

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005686.D
 Acq On : 30 Oct 2018 12:47
 Operator : JC/MD
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Manual Integrations
 APPROVED

Quant Time: Oct 30 16:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	353872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	136810	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
35) Dibromofluoromethane	5.49	113	113557	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.71	98	391650	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
62) 4-Bromofluorobenzene	11.14	95	145468	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57003	22.21	ug/l	89
3) Chloromethane	1.32	50	60776	18.60	ug/l	94
4) Vinyl Chloride	1.40	62	57567	17.91	ug/l	94
5) Bromomethane	1.64	94	29732	14.87	ug/l	92
6) Chloroethane	1.71	64	35117	17.11	ug/l	89
7) Trichlorofluoromethane	1.92	101	80332	17.99	ug/l	99
8) Diethyl Ether	2.19	74	30137	16.91	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44507	17.37	ug/l	95
10) Methyl Iodide	2.51	142	39809	16.79	ug/l	97
11) Tert butyl alcohol	3.06	59	77318	90.53	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44706	18.32	ug/l	84
13) Acrolein	2.29	56	35184	80.76	ug/l	97
14) Allyl chloride	2.73	41	91031	16.71	ug/l	98
15) Acrylonitrile	3.14	53	169484	88.50	ug/l	98
16) Acetone	2.44	43	154093	91.88	ug/l	92
17) Carbon Disulfide	2.57	76	128034	17.21	ug/l	99
18) Methyl Acetate	2.78	43	81710	18.81	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	149994	17.23	ug/l	96
20) Methylene Chloride	2.86	84	50147	17.85	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	47904	17.98	ug/l	87
22) Diisopropyl ether	3.86	45	173619	18.25	ug/l	# 90
23) Vinyl Acetate	3.82	43	765748	91.41	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92186	17.83	ug/l	99
25) 2-Butanone	4.70	43	237922	93.16	ug/l	95
26) 2,2-Dichloropropane	4.57	77	70270	17.60	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	52429	18.25	ug/l	98
28) Bromochloromethane	5.01	49	43881	17.54	ug/l	92
29) Tetrahydrofuran	5.16	42	151991	91.45	ug/l	98
30) Chloroform	5.21	83	89027	18.40	ug/l	99
31) Cyclohexane	5.57	56	82105	19.19	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	73746	17.27	ug/l	99
36) 1,1-Dichloropropene	5.80	75	63987	18.63	ug/l	97
37) Ethyl Acetate	4.85	43	83402	19.03	ug/l	98
38) Carbon Tetrachloride	5.78	117	64609	17.86	ug/l	85

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69780	18.40	ug/l	98
40) Benzene	6.15	78	191602	19.46	ug/l	97
41) Methacrylonitrile	5.05	41	46160	18.91	ug/l	98
42) 1,2-Dichloroethane	6.20	62	68745	18.38	ug/l	99
43) Isopropyl Acetate	6.46	43	117855	17.95	ug/l	98
44) Trichloroethene	7.21	130	48089	17.93	ug/l	93
45) 1,2-Dichloropropane	7.52	63	45971	17.37	ug/l	97
46) Dibromomethane	7.66	93	30723	17.97	ug/l	98
47) Bromodichloromethane	7.90	83	57501	17.33	ug/l	99
48) Methyl methacrylate	7.77	41	55404	17.32	ug/l	98
49) 1,4-Dioxane	7.75	88	25100	359.02	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	387567	87.82	ug/l	100
52) Toluene	8.78	92	108634	18.16	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	61827	17.24	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68663	17.79	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	44626	17.69	ug/l	97
56) Ethyl methacrylate	9.18	69	65355	17.37	ug/l	99
57) 1,3-Dichloropropane	9.37	76	74774	17.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	185871	88.45	ug/l	100
59) 2-Hexanone	9.49	43	309083	88.82	ug/l	100
60) Dibromochloromethane	9.59	129	46356	17.61	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46607	17.86	ug/l	100
64) Tetrachloroethene	9.34	164	50204	20.33	ug/l	98
65) Chlorobenzene	10.14	112	121304	19.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	43937	19.02	ug/l	99
67) Ethyl Benzene	10.25	91	203702	19.55	ug/l	100
68) m/p-Xylenes	10.36	106	159877	39.54	ug/l	100
69) o-Xylene	10.70	106	76583	20.13	ug/l	98
70) Styrene	10.71	104	126935	19.93	ug/l	99
71) Bromoform	10.86	173	36984	17.95	ug/l	# 99
73) Isopropylbenzene	11.02	105	211525	20.60	ug/l	99
74) N-amyl acetate	10.90	43	94836	18.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	71223	18.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	70132m	19.71	ug/l	
77) Bromobenzene	11.26	156	57488	20.09	ug/l	97
78) n-propylbenzene	11.36	91	242357	20.65	ug/l	100
79) 2-Chlorotoluene	11.42	91	144753	19.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	178757	20.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20857	19.15	ug/l	97
82) 4-Chlorotoluene	11.51	91	171331	19.96	ug/l	99
83) tert-Butylbenzene	11.77	119	174642	19.95	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	184349	20.71	ug/l	100
85) sec-Butylbenzene	11.94	105	214397	20.52	ug/l	100
86) p-Isopropyltoluene	12.07	119	192334	20.60	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	104533	19.43	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	106859	19.03	ug/l	99
89) n-Butylbenzene	12.39	91	168020	19.93	ug/l	99
90) Hexachloroethane	12.60	117	29860	18.54	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	105805	19.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16768	18.31	ug/l	97

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VX1030WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	78211	19.82	ug/l	100
94) Hexachlorobutadiene	13.78	225	39762	19.44	ug/l	99
95) Naphthalene	13.83	128	230360	20.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	80389	20.10	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

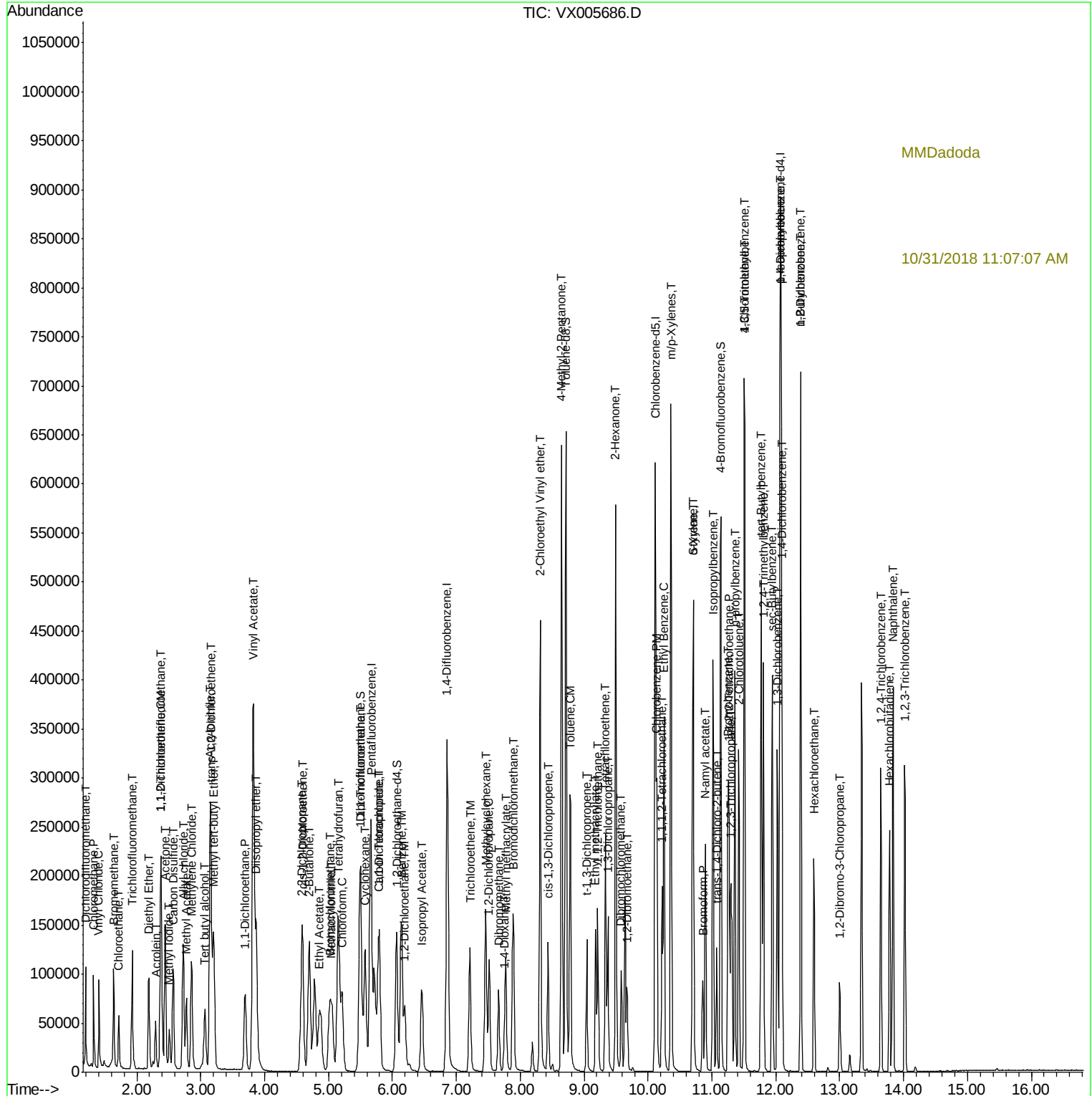
10/31/2018 11:07:07 AM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
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MSVOA_X
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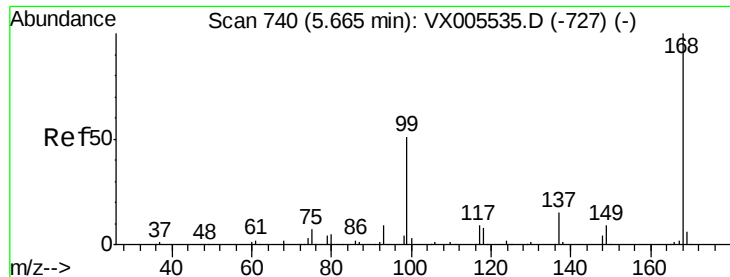
Manual Integrations
APPROVED

Quant Time: Oct 30 16:31:19 2018
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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration



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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

Tgt Ion:168 Resp: 259998

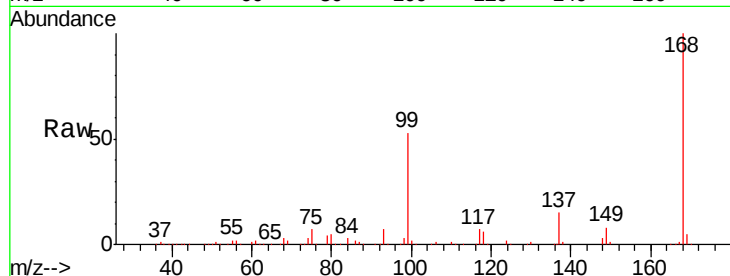
Ion Ratio Lower Upper

168 100

99 52.6 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

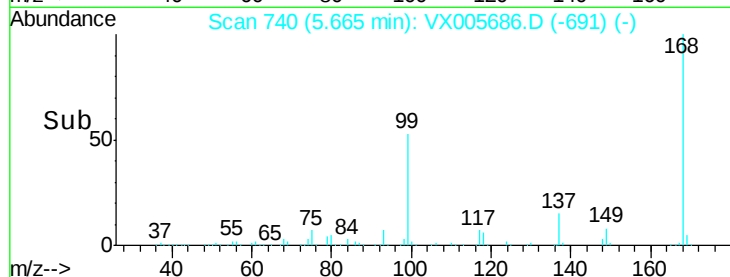
60000

40000

20000

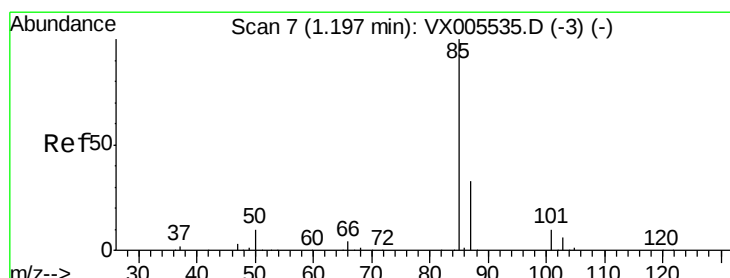
0

Time--> 5.50 5.60 5.70 5.80



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#2

Dichlorodifluoromethane

Concen: 22.21 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005686.D

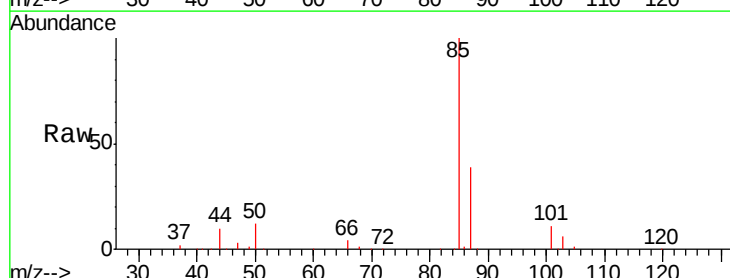
Acq: 30 Oct 2018 12:47

Tgt Ion: 85 Resp: 57003

Ion Ratio Lower Upper

85 100

87 38.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

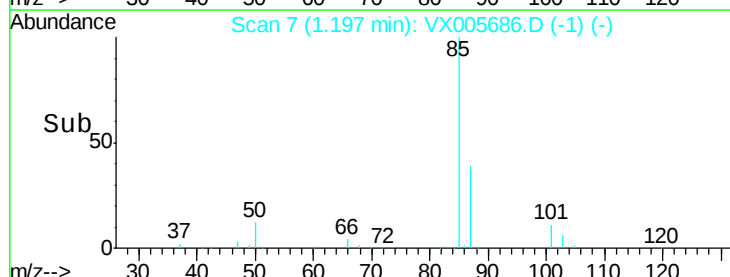
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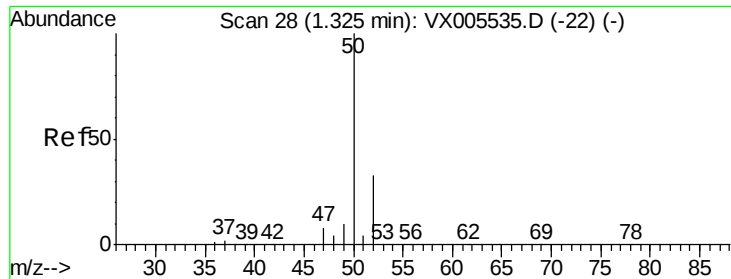
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.60 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 50 Resp: 60776

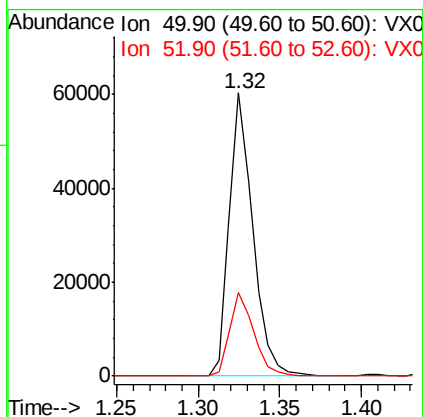
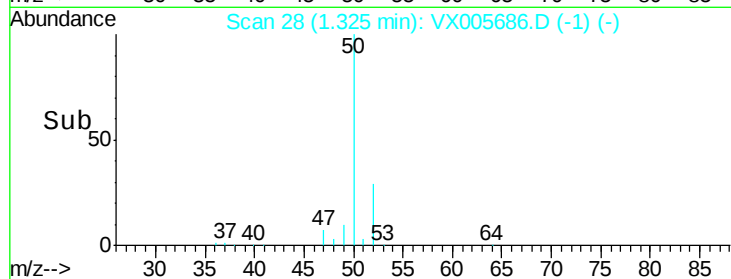
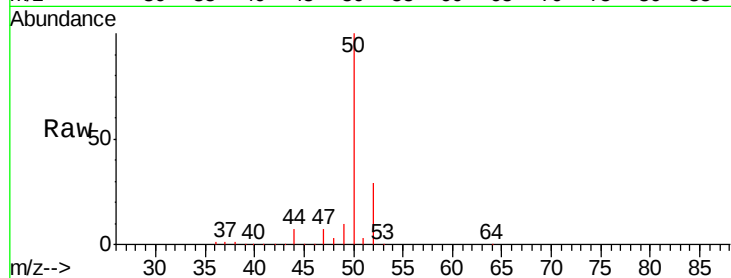
Ion Ratio Lower Upper

50 100

52 29.4 26.2 39.2

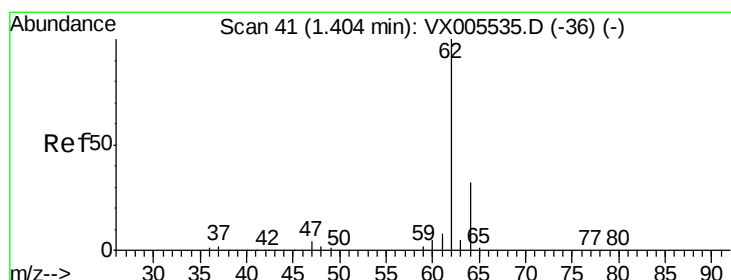
Manual Integrations

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#4

Vinyl Chloride

Concen: 17.91 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005686.D

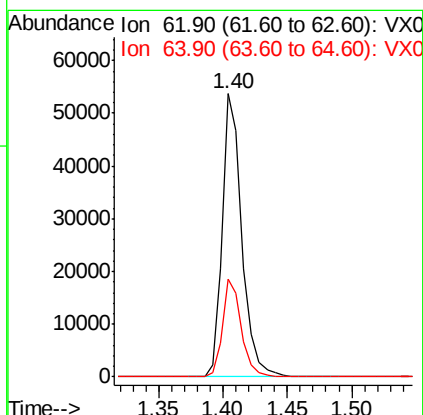
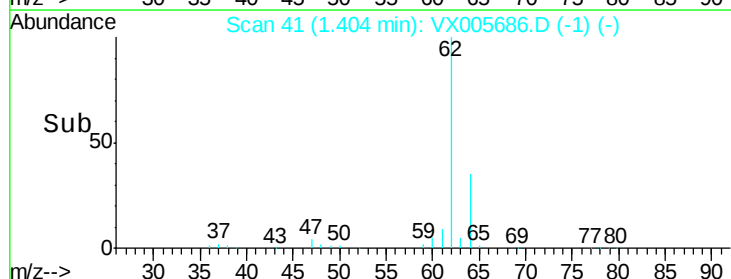
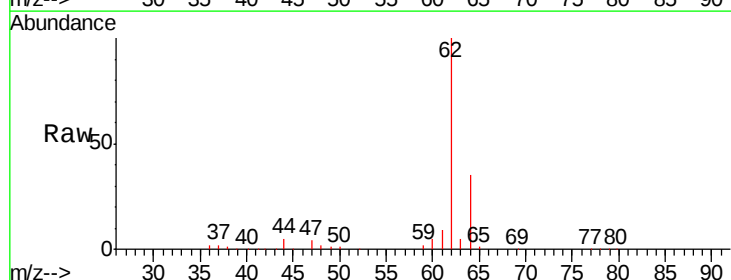
Acq: 30 Oct 2018 12:47

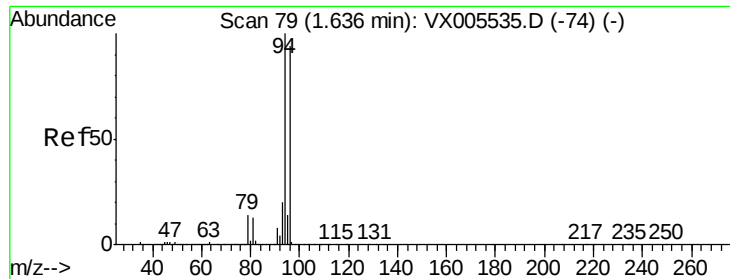
Tgt Ion: 62 Resp: 57567

Ion Ratio Lower Upper

62 100

64 34.7 25.3 37.9





#5

Bromomethane

Concen: 14.87 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion: 94 Resp: 29732

Ion Ratio Lower Upper

94 100

96 101.4 75.2 112.8

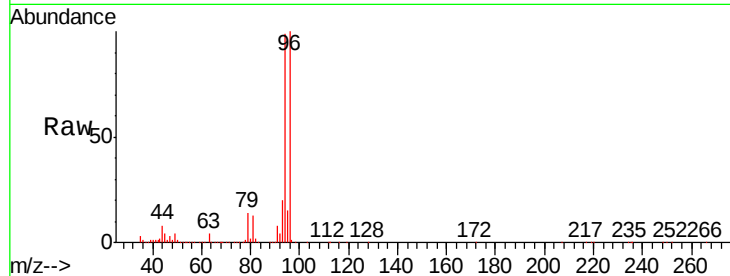
Instrument :

MSVOA_X

ClientSampled :

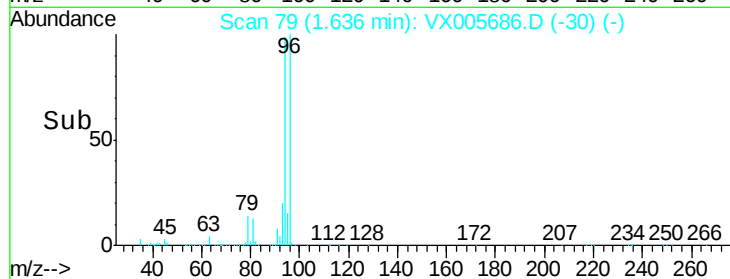
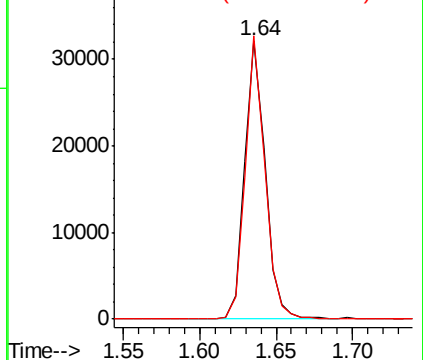
VX1030WBS01

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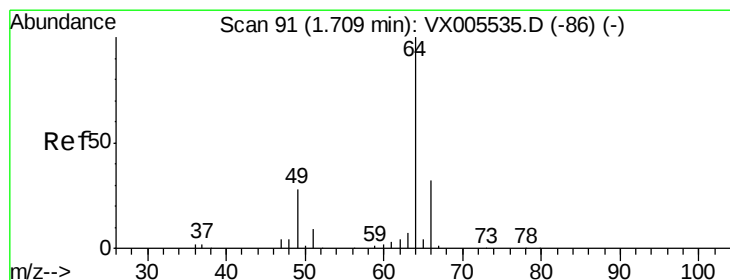
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



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#6

Chloroethane

Concen: 17.11 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005686.D

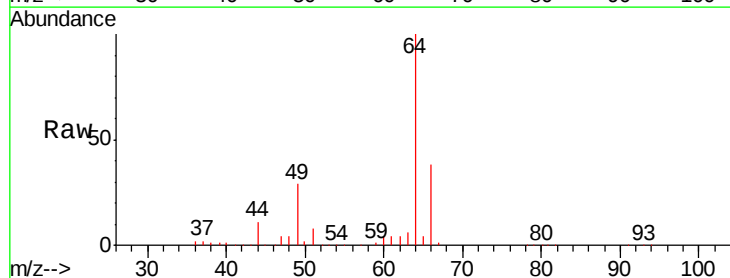
Acq: 30 Oct 2018 12:47

Tgt Ion: 64 Resp: 35117

Ion Ratio Lower Upper

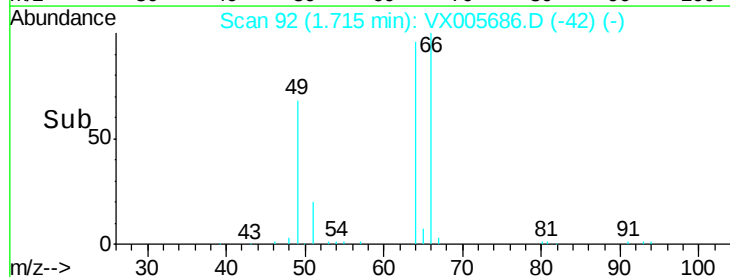
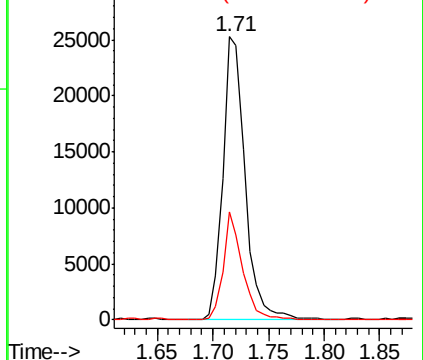
64 100

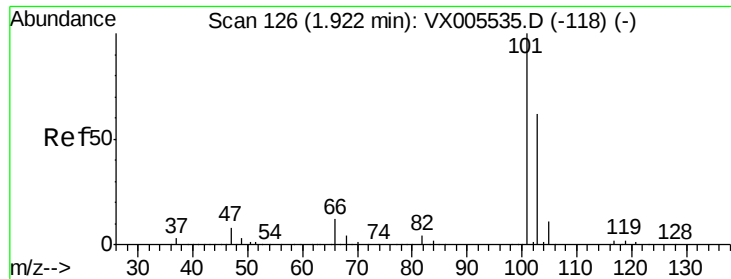
66 38.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





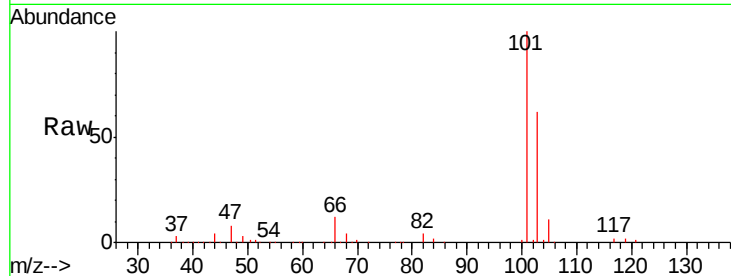
#7

Trichlorofluoromethane
 Concen: 17.99 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

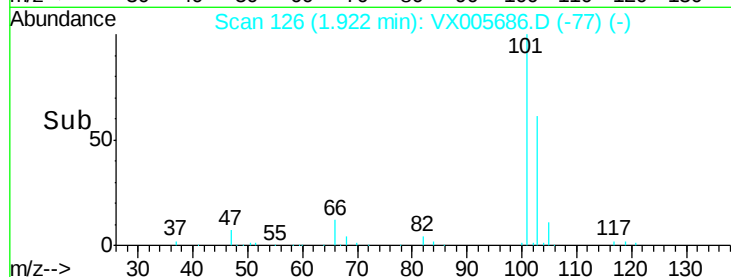
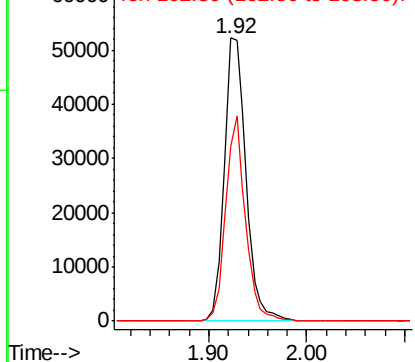
Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

Tgt Ion: 101 Resp: 80332
 Ion Ratio Lower Upper
 101 100
 103 61.6 50.0 75.0

Manual Integrations
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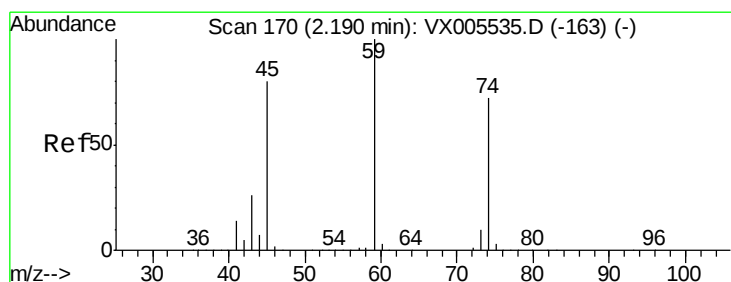


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



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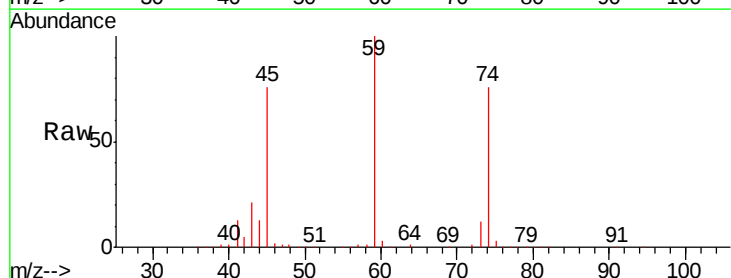
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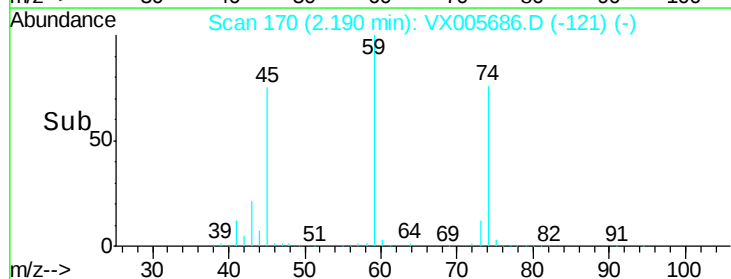
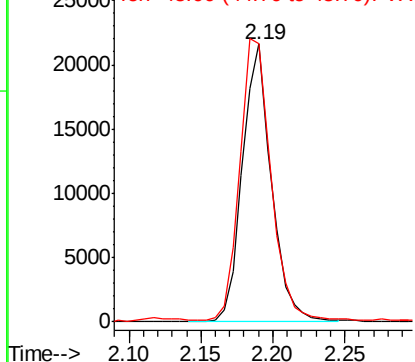
#8

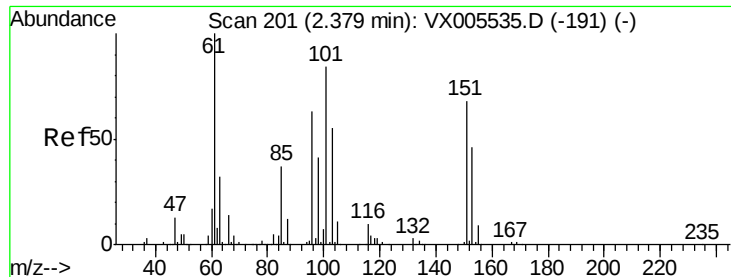
Diethyl Ether
 Concen: 16.91 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 74 Resp: 30137
 Ion Ratio Lower Upper
 74 100
 45 109.0 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.37 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

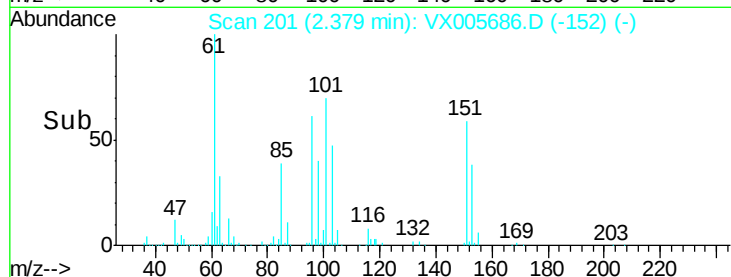
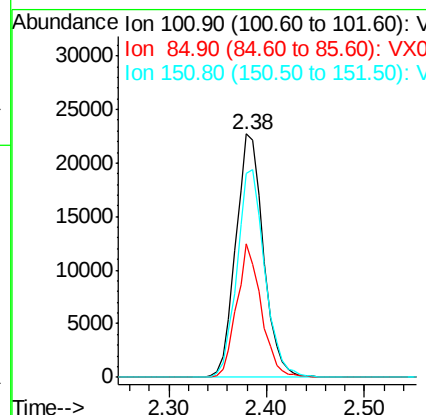
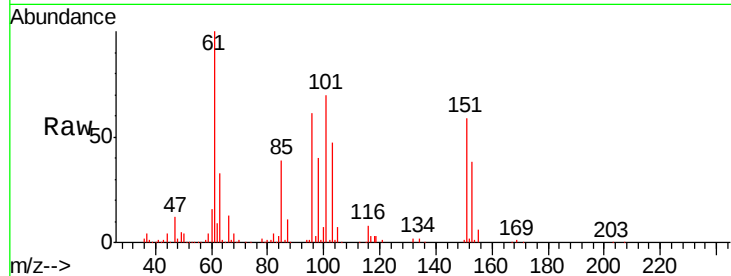
MSVOA_X

ClientSampled :

VX1030WBS01

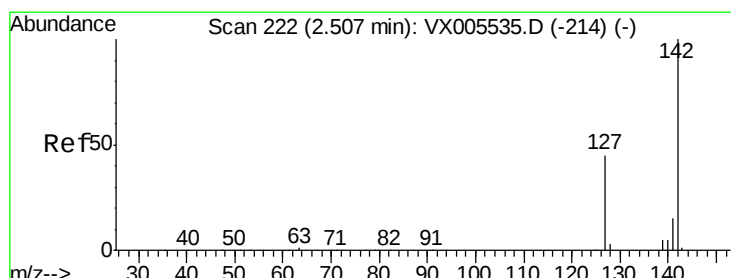
Tgt Ion:	101	Resp:	44507
Ion Ratio	Lower	Upper	
101	100		
85	49.1	35.0	52.4
151	86.1	66.2	99.2

Manual Integrations
APPROVED



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10/31/2018 11:07:07 AM



#10

Methyl Iodide

Concen: 16.79 ug/l

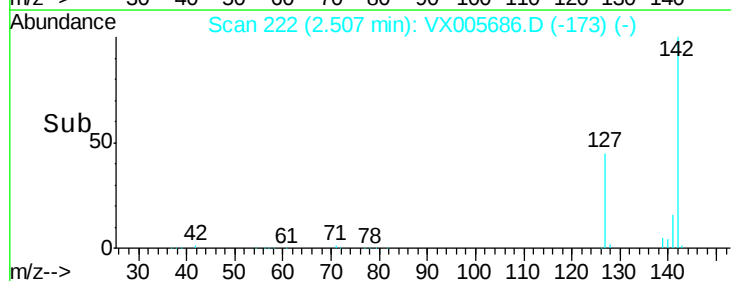
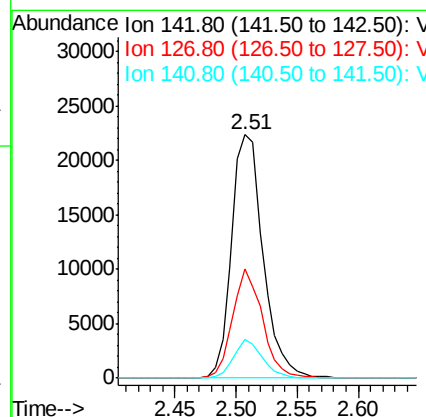
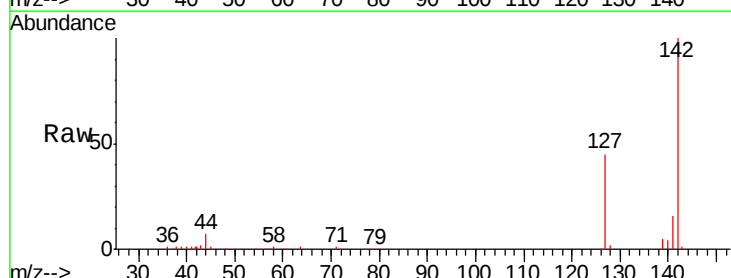
RT: 2.51 min Scan# 222

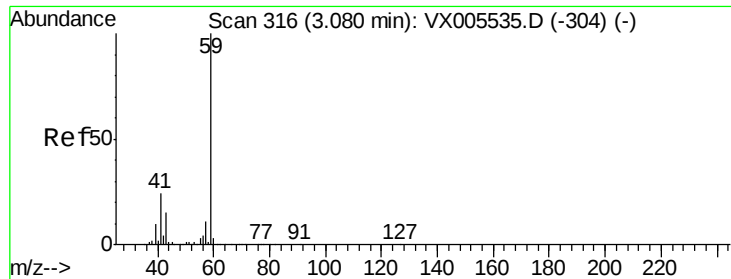
Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion:	142	Resp:	39809
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.0	54.0
141	14.6	11.7	17.5



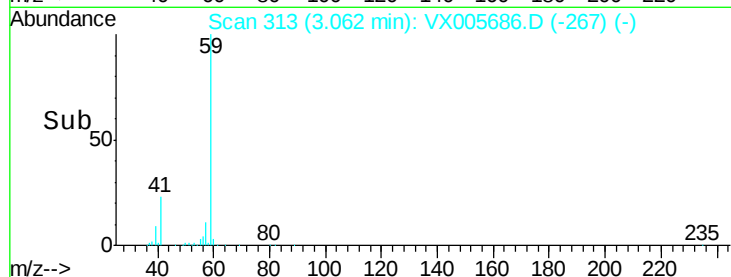
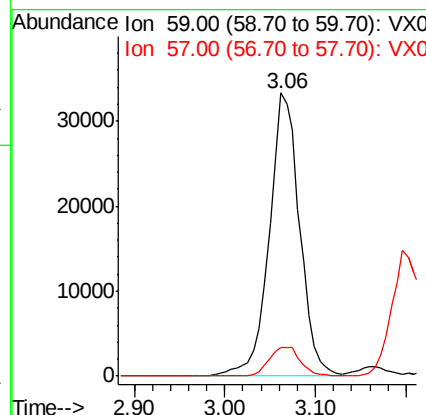
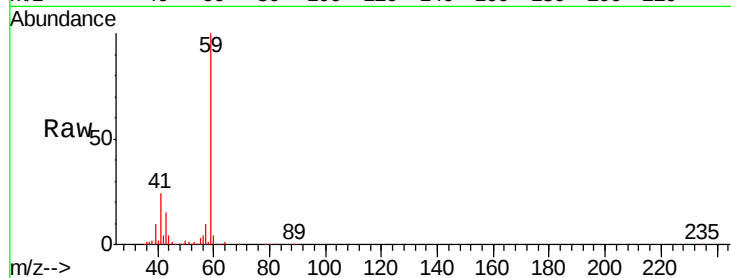


#11
Tert butyl alcohol
Concen: 90.53 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

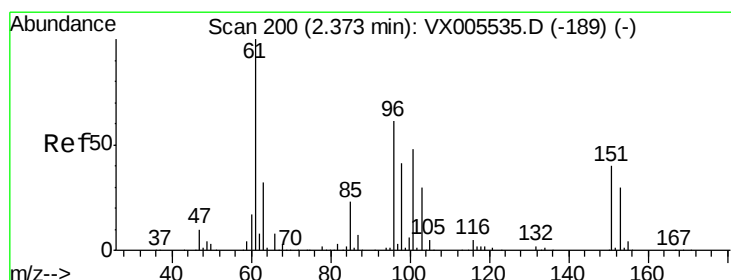
Tgt Ion: 59 Resp: 77318
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

Manual Integrations
APPROVED



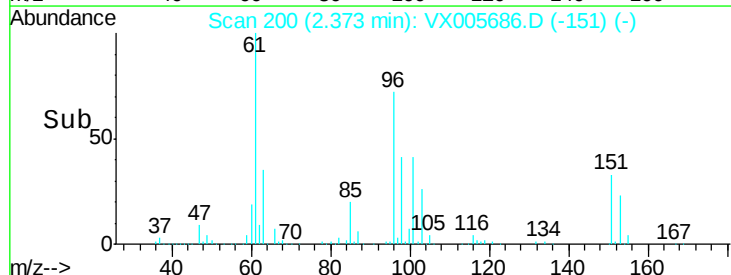
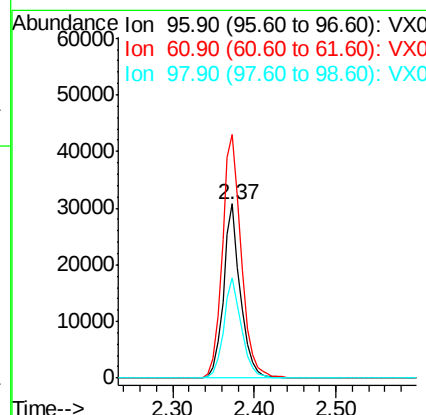
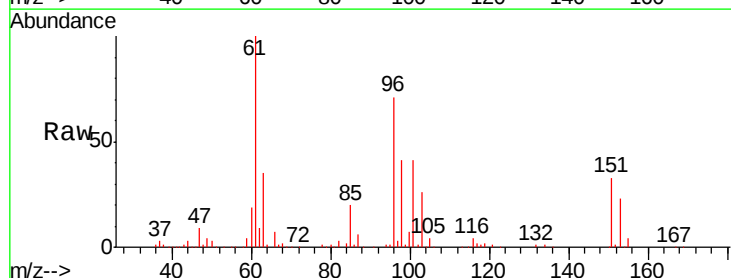
MMDadoda

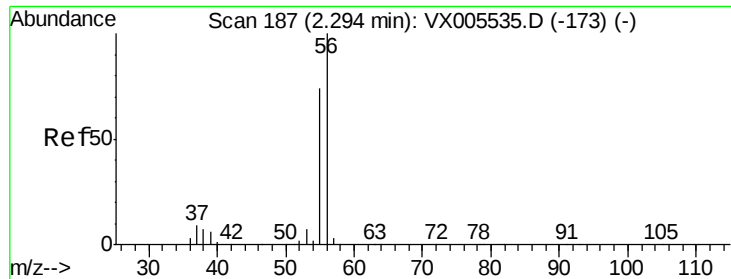
10/31/2018 11:07:07 AM



#12
1,1-Dichloroethene
Concen: 18.32 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 96 Resp: 44706
Ion Ratio Lower Upper
96 100
61 140.0 131.8 197.8
98 57.6 53.4 80.2





#13

Acrolein

Concen: 80.76 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

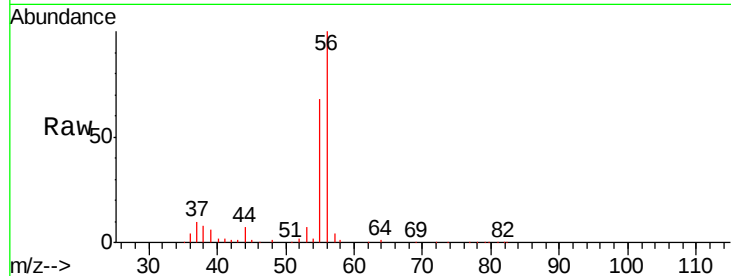
Tgt Ion: 56 Resp: 35184

Ion Ratio Lower Upper

56 100

55 74.4 57.3 85.9

Manual Integrations
APPROVED



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

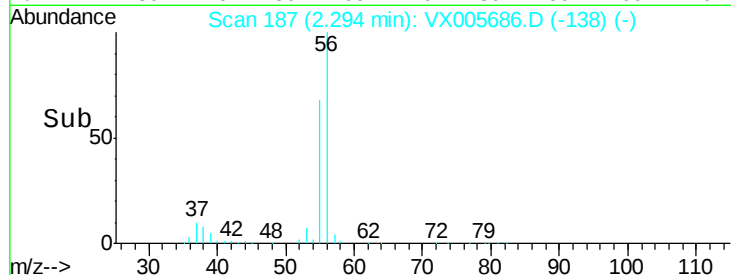
15000

10000

5000

0

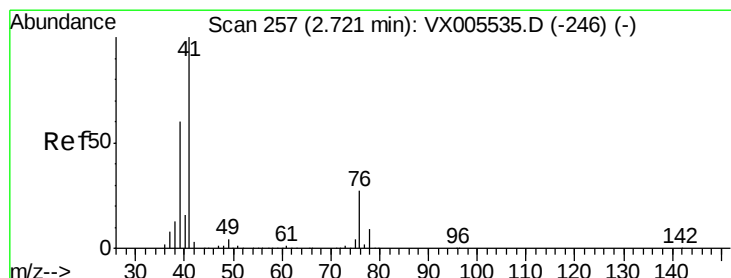
Time-->



2.29

MMDadoda

10/31/2018 11:07:07 AM



#14

Allyl chloride

Concen: 16.71 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

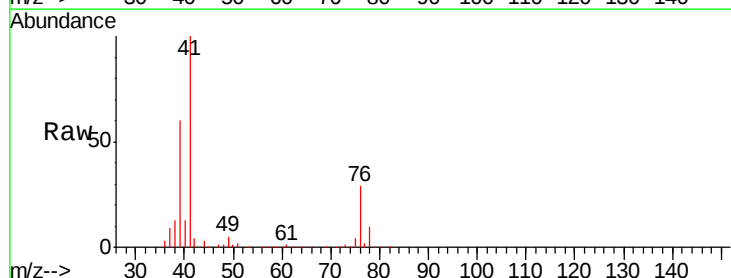
Tgt Ion: 41 Resp: 91031

Ion Ratio Lower Upper

41 100

39 59.2 48.2 72.4

76 28.5 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

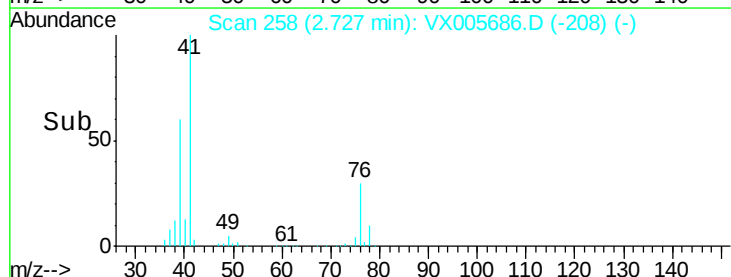
60000

40000

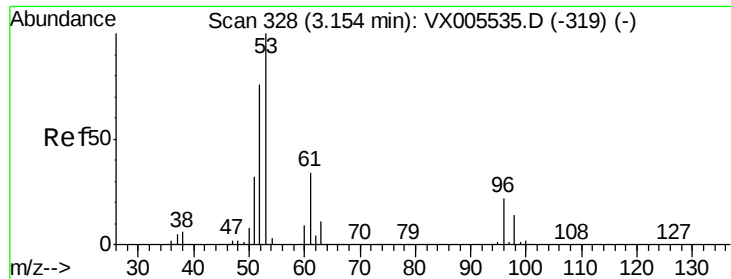
20000

0

Time-->



2.73

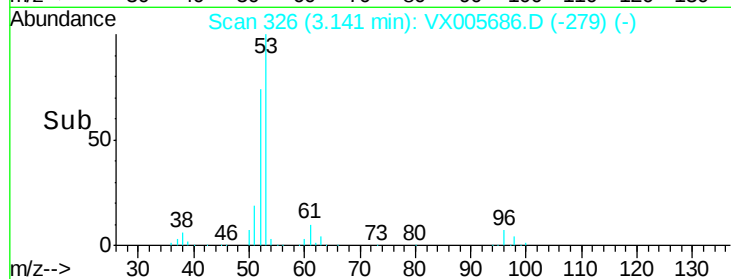
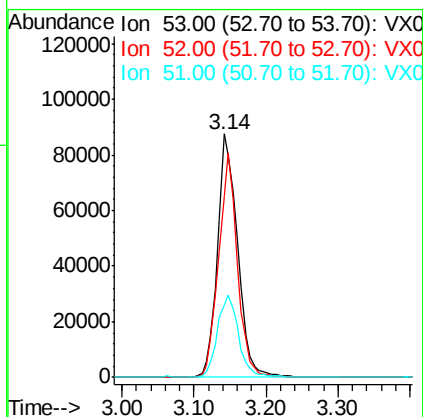
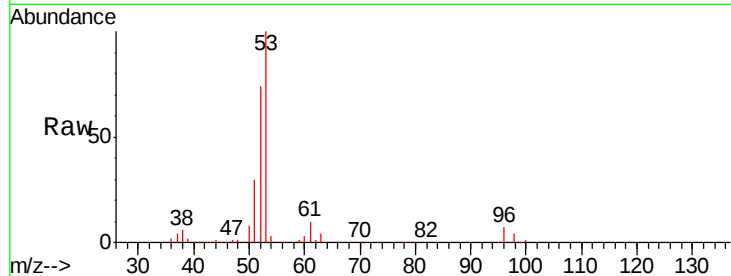


#15
Acrylonitrile
Concen: 88.50 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

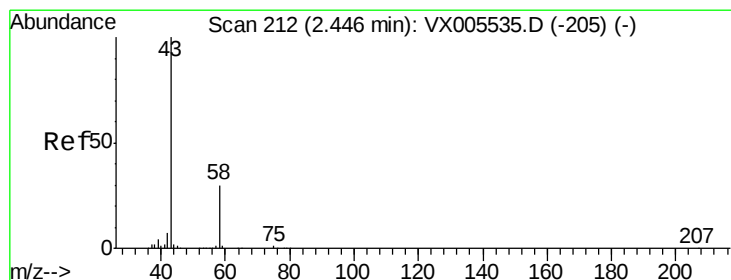
Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.6	99.8
51	35.7	28.4	42.6

Manual Integrations
APPROVED



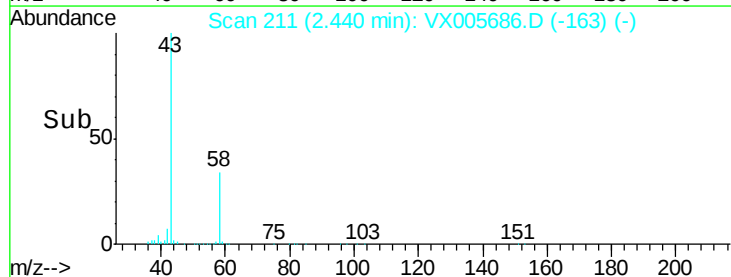
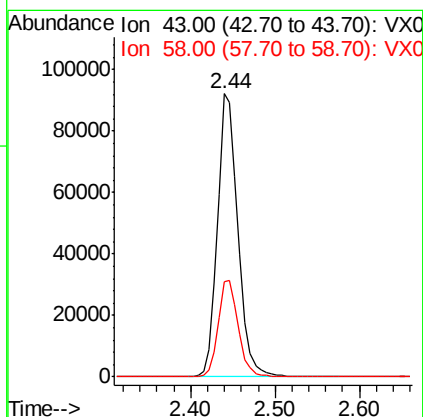
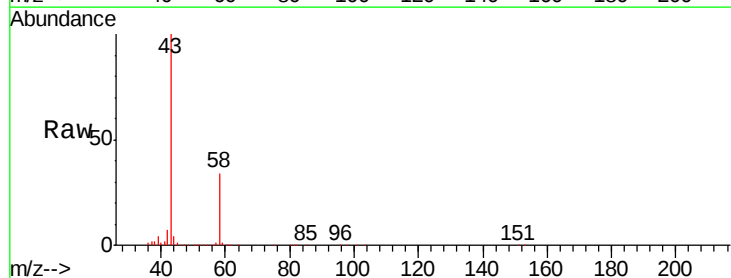
MMDadoda

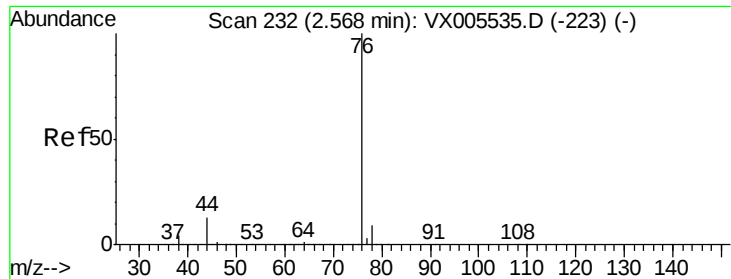
10/31/2018 11:07:07 AM



#16
Acetone
Concen: 91.88 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6



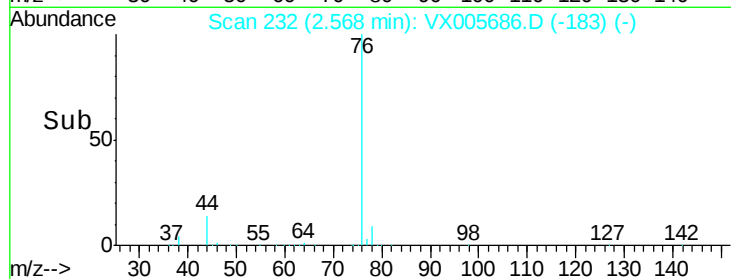
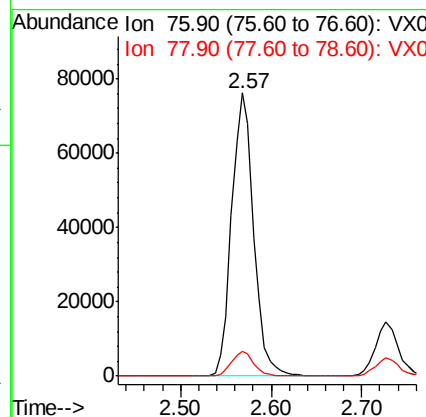
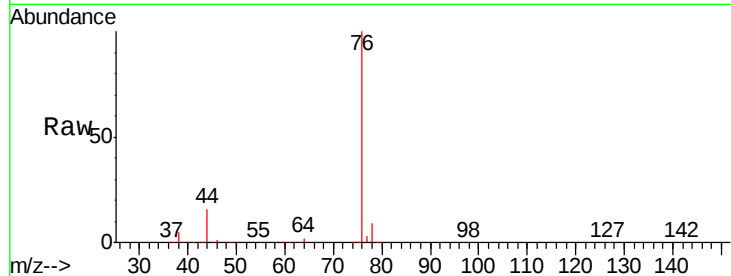


#17
Carbon Disulfide
Concen: 17.21 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

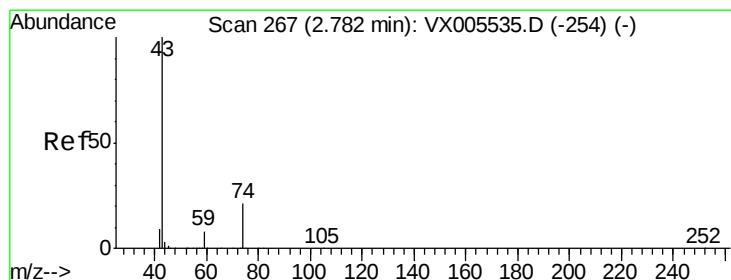
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

Manual Integrations
APPROVED



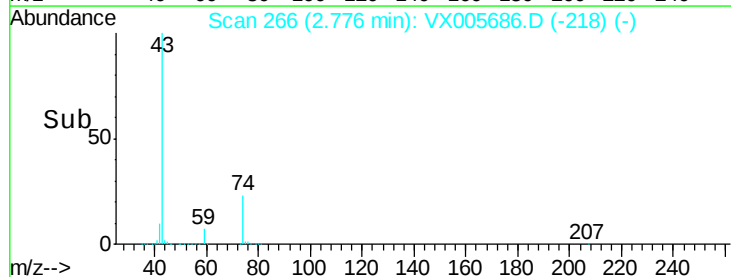
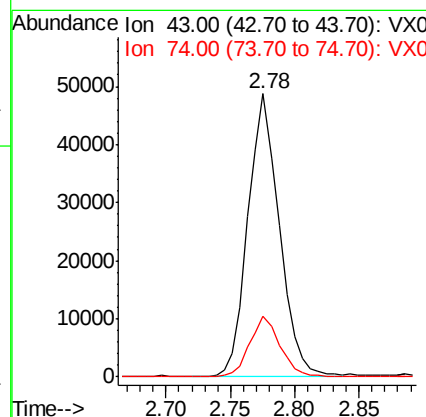
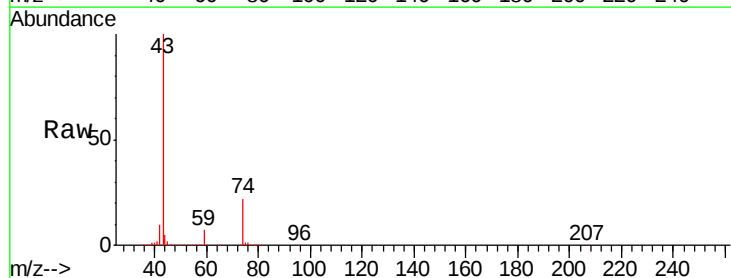
MMDadoda

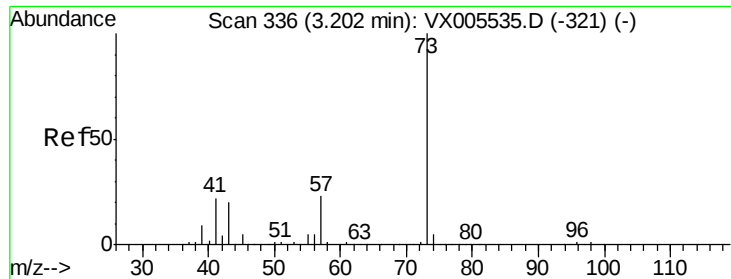
10/31/2018 11:07:07 AM



#18
Methyl Acetate
Concen: 18.81 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.8	25.2





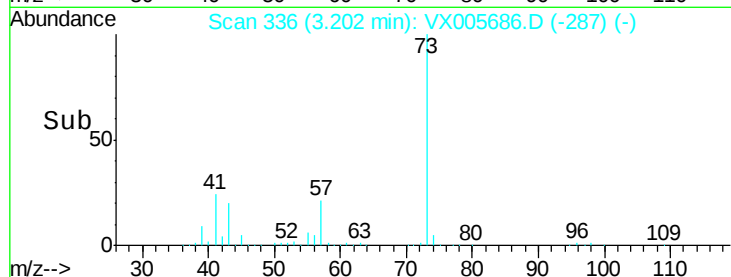
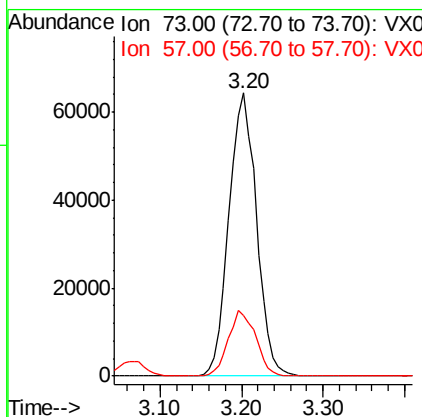
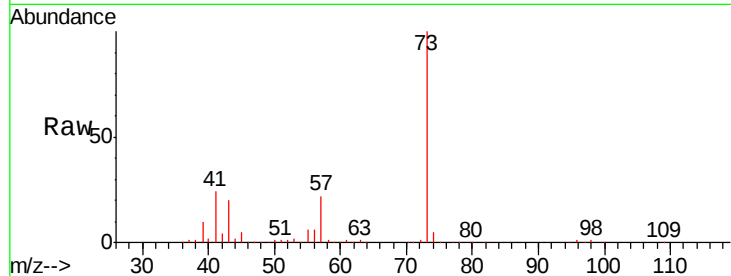
#19

Methyl tert-butyl Ether
Concen: 17.23 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

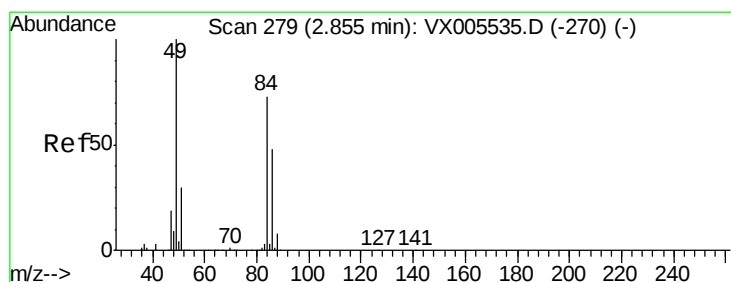
Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.8	28.2

Manual Integrations
APPROVED



MMDadoda

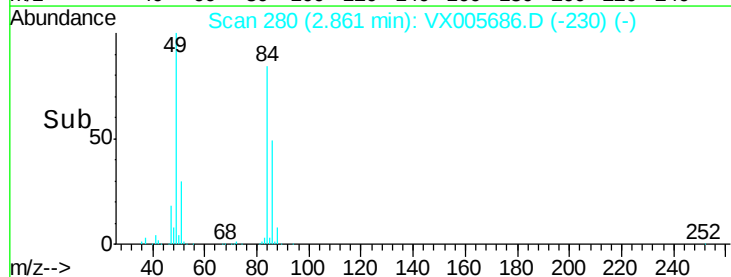
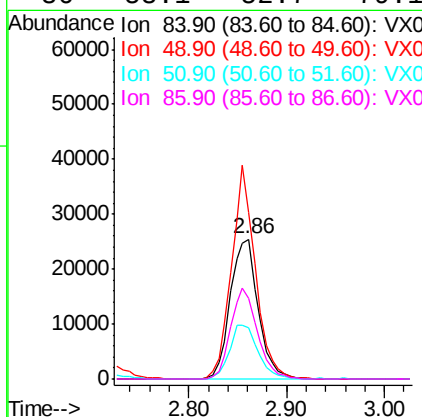
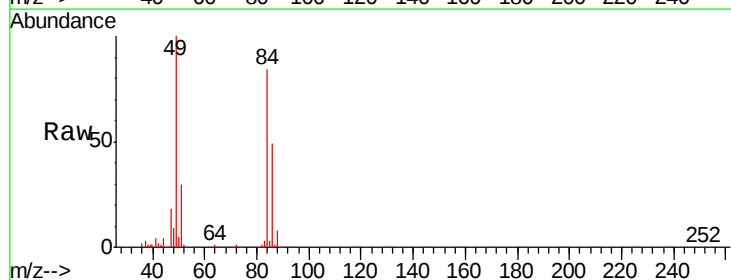
10/31/2018 11:07:07 AM

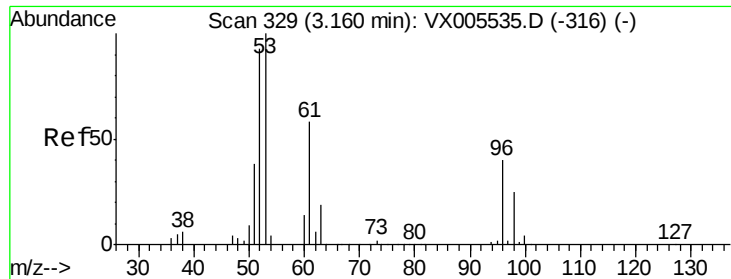


#20

Methylene Chloride
Concen: 17.85 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.4	109.5	164.3
51	36.0	33.3	49.9
86	58.1	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 17.98 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

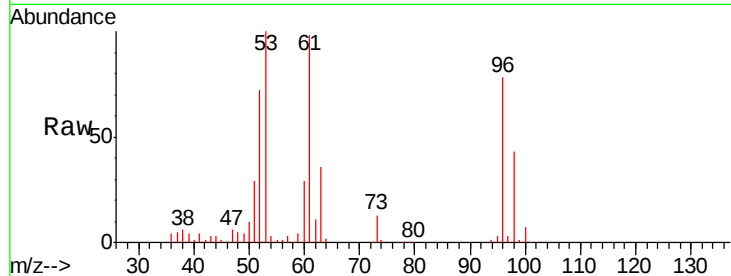
MSVOA_X

ClientSampled :

VX1030WBS01

Tgt Ion:	96	Resp:	47904
Ion	Ratio	Lower	Upper
96	100		
61	126.0	115.6	173.4
98	54.9	50.2	75.2

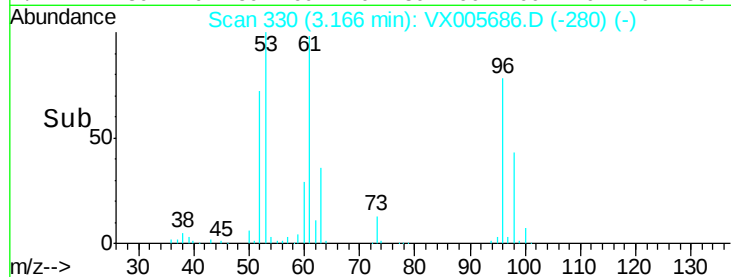
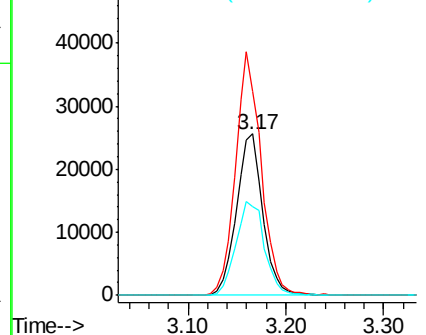
Manual Integrations
APPROVED



Abundance Ion 95.90 (95.60 to 96.60): VX005535.D (-316) (-)

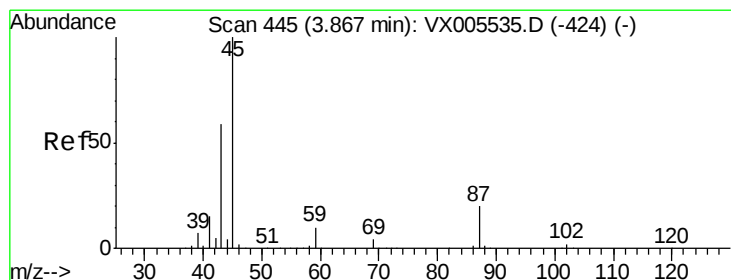
Ion 60.90 (60.60 to 61.60): VX005535.D (-316) (-)

Ion 97.90 (97.60 to 98.60): VX005535.D (-316) (-)



MMDadoda

10/31/2018 11:07:07 AM



#22

Diisopropyl ether

Concen: 18.25 ug/l

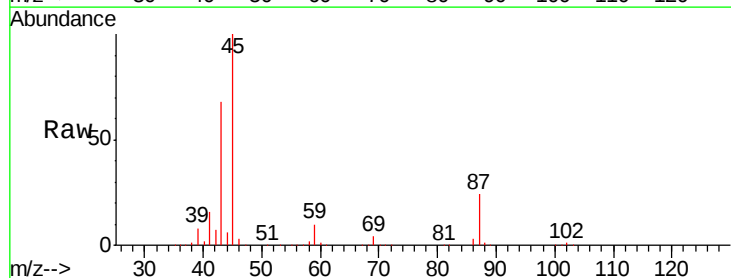
RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion:	45	Resp:	173619
Ion	Ratio	Lower	Upper
45	100		
43	67.9	47.4	71.2
87	24.1	15.9	23.9
59	10.4	7.7	11.5

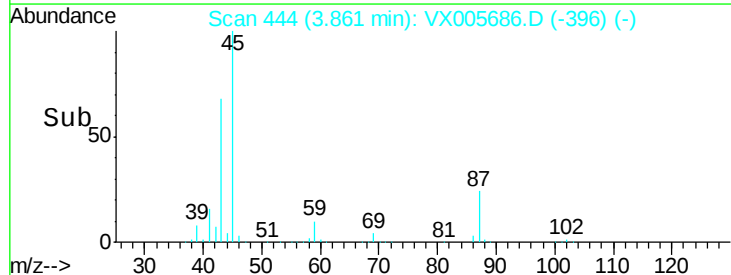
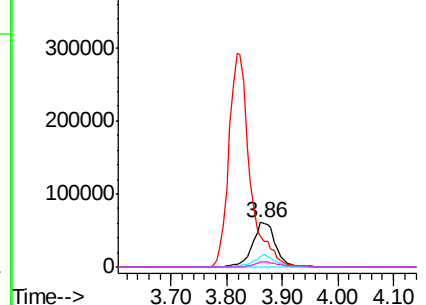


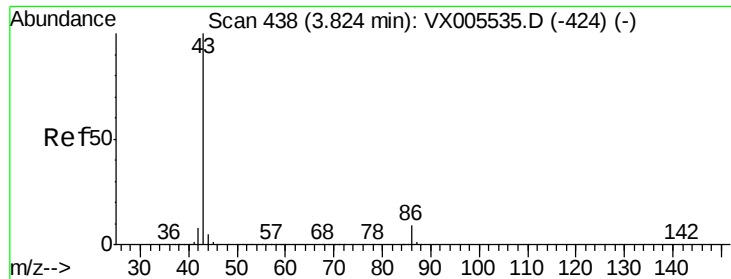
Abundance Ion 45.00 (44.70 to 45.70): VX005535.D (-424) (-)

Ion 43.00 (42.70 to 43.70): VX005535.D (-424) (-)

Ion 87.00 (86.70 to 87.70): VX005535.D (-424) (-)

Ion 59.00 (58.70 to 59.70): VX005535.D (-424) (-)





#23

Vinyl Acetate

Concen: 91.41 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

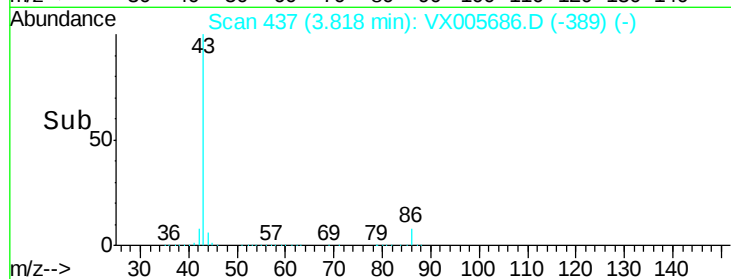
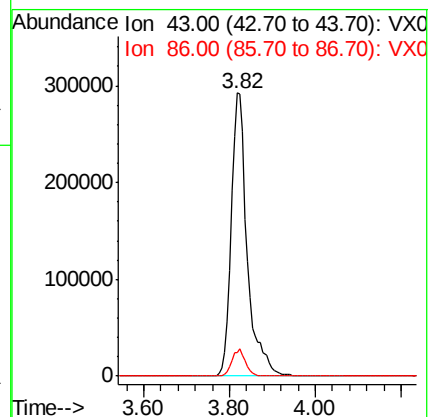
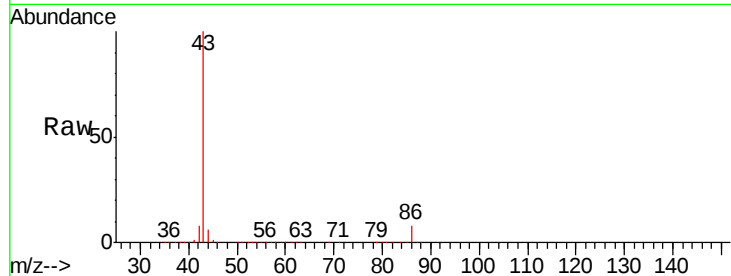
Tgt Ion: 43 Resp: 765748

Ion Ratio Lower Upper

43 100

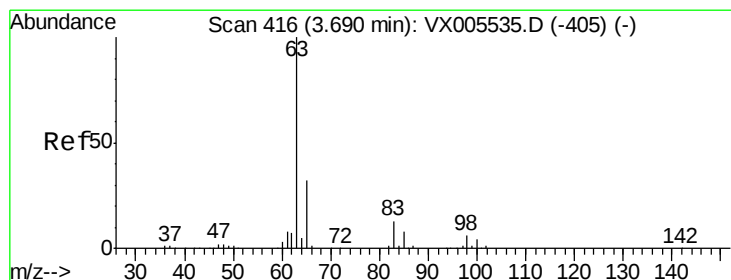
86 8.4 7.4 11.2

Manual Integrations
APPROVED



MMDadoda

10/31/2018 11:07:07 AM



#24

1,1-Dichloroethane

Concen: 17.83 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

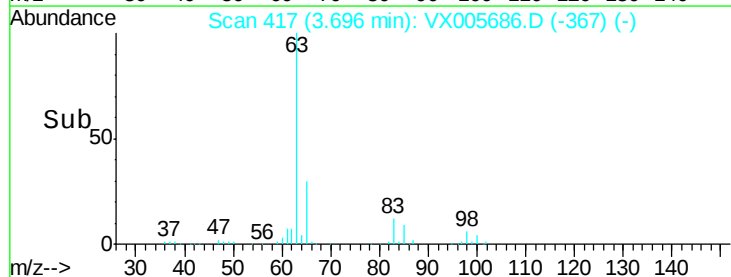
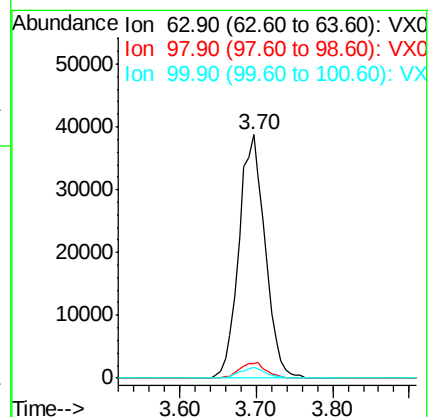
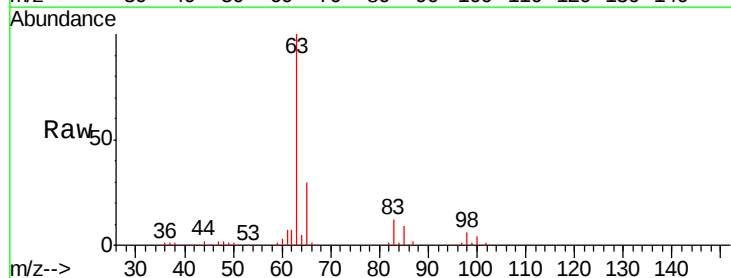
Tgt Ion: 63 Resp: 92186

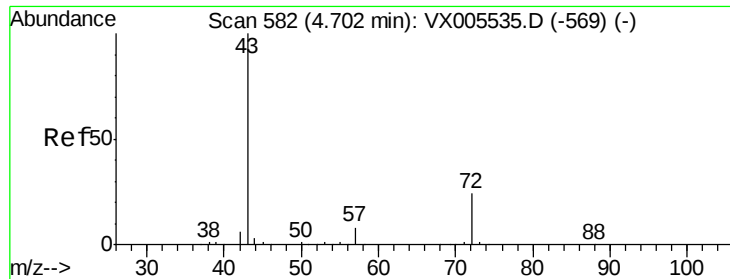
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 93.16 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

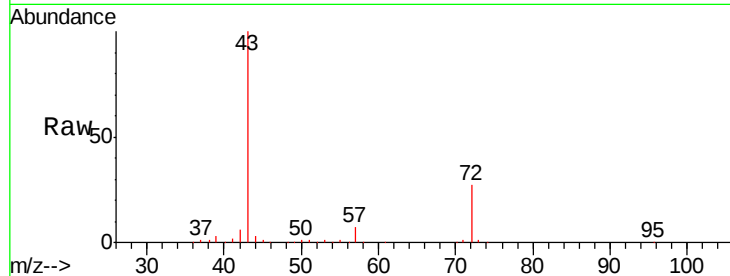
Tgt Ion: 43 Resp: 237922

Ion Ratio Lower Upper

43 100

72 26.7 19.2 28.8

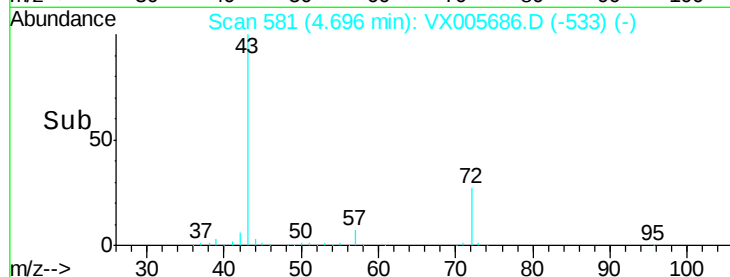
Manual Integrations
APPROVED



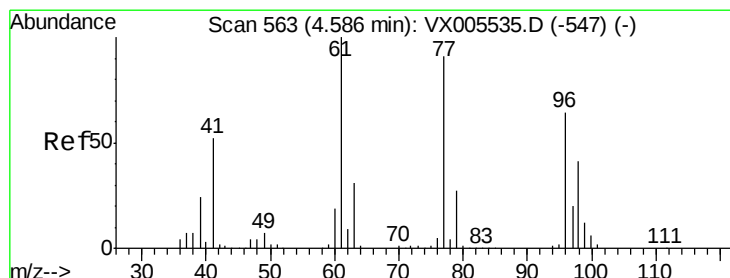
Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-569) (-)

Ion 72.00 (71.70 to 72.70): VX005535.D (-569) (-)

Time-->



Time-->



#26

2,2-Dichloropropane

Concen: 17.60 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005686.D

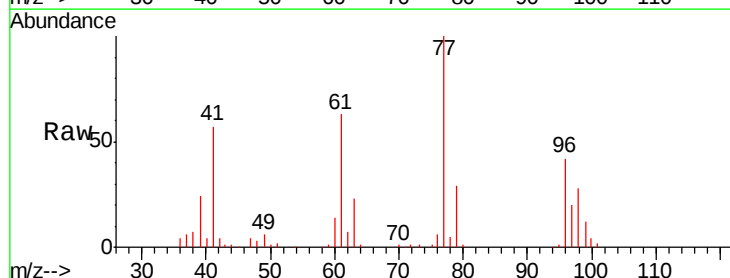
Acq: 30 Oct 2018 12:47

Tgt Ion: 77 Resp: 70270

Ion Ratio Lower Upper

77 100

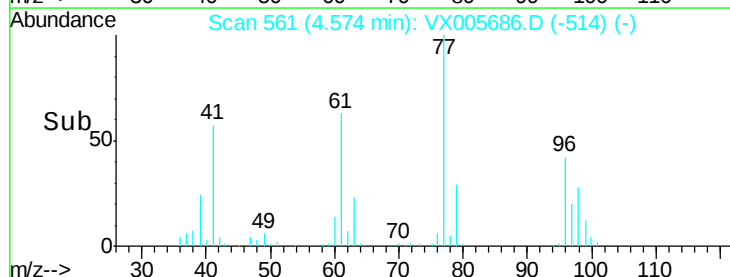
97 23.2 11.5 34.5



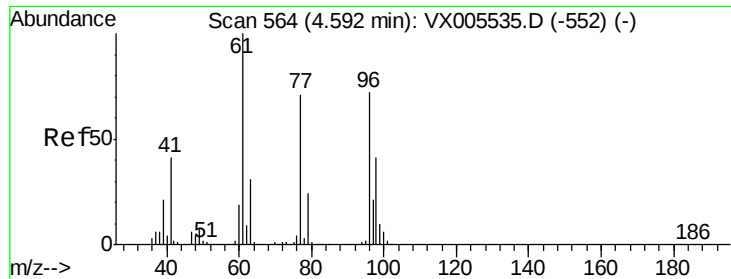
Abundance Ion 76.90 (76.60 to 77.60): VX005535.D (-547) (-)

Ion 96.90 (96.60 to 97.60): VX005535.D (-547) (-)

Time-->



Time-->



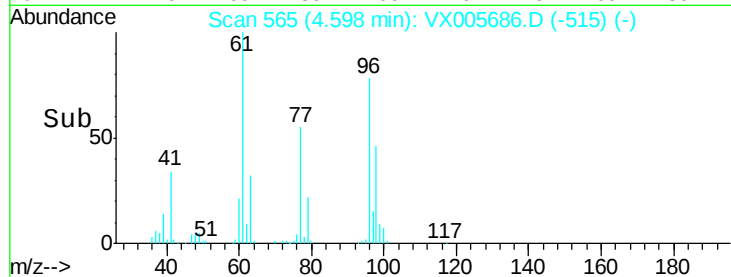
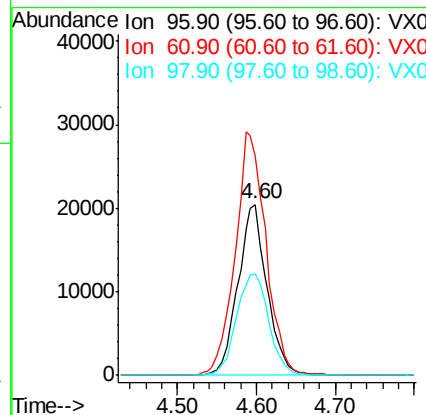
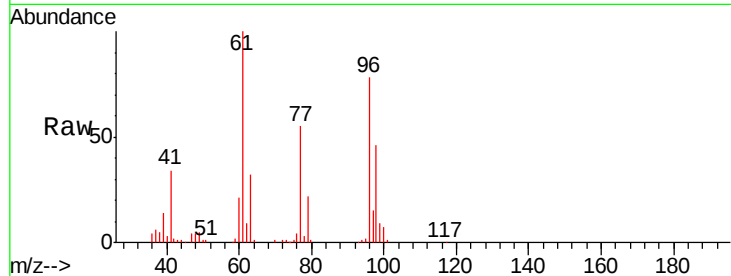
#27

cis-1,2-Dichloroethene
Concen: 18.25 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

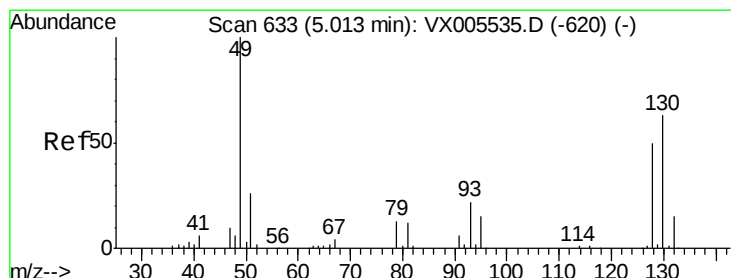
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	304.6
98	65.9	0.0	127.4

Manual Integrations
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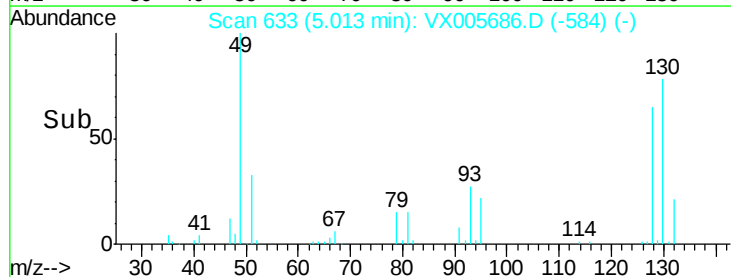
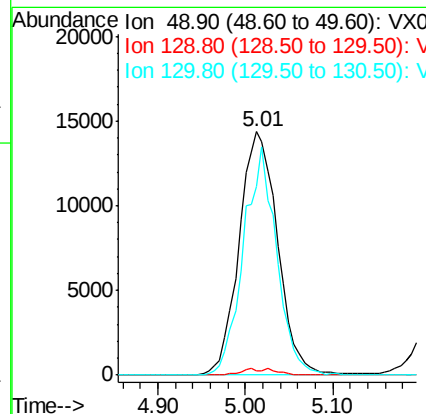
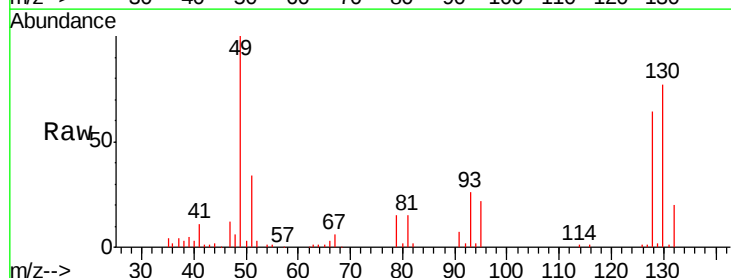
10/31/2018 11:07:07 AM

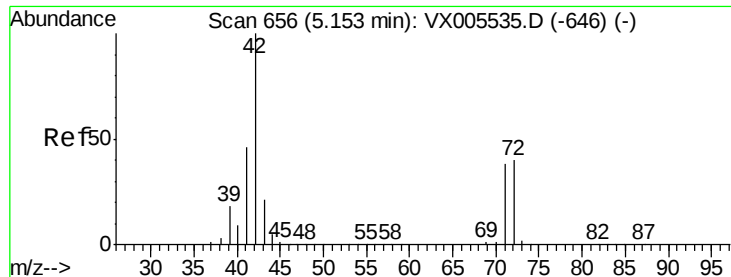


#28

Bromochloromethane
Concen: 17.54 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	80.8	58.9	88.3



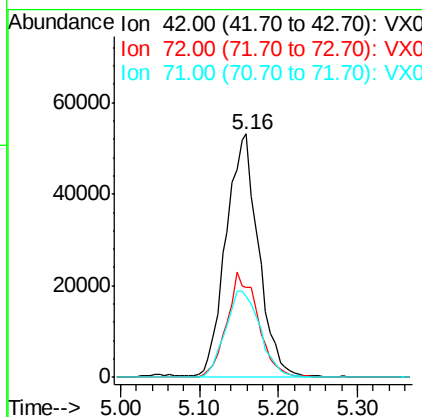
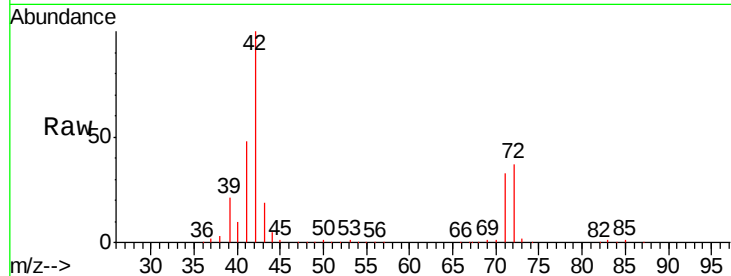


#29
Tetrahydrofuran
Concen: 91.45 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

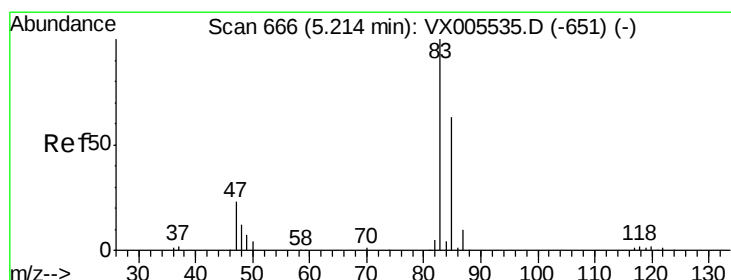
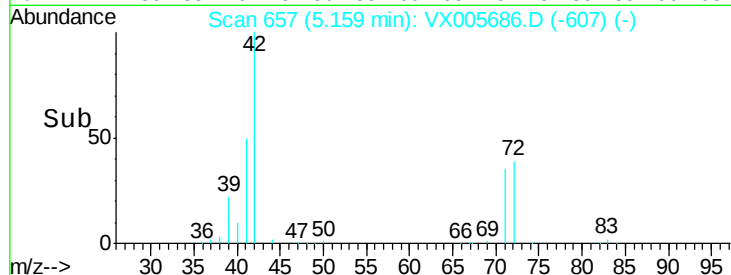
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.1	29.8	44.8

Manual Integrations
APPROVED



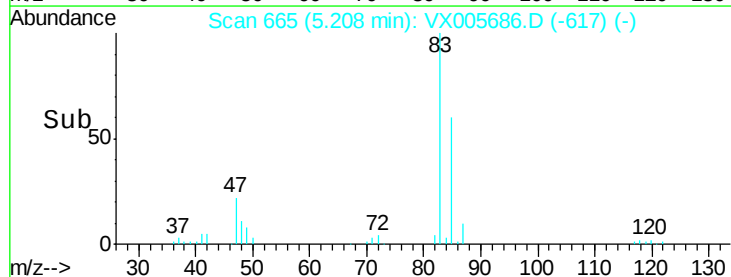
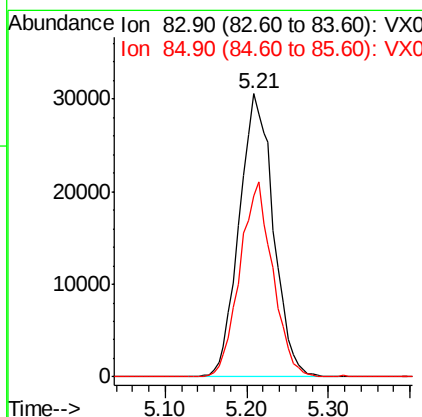
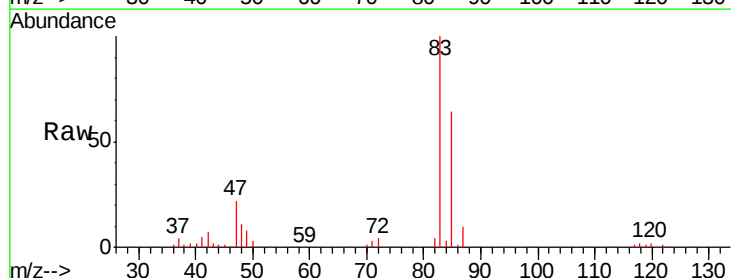
MMDadoda

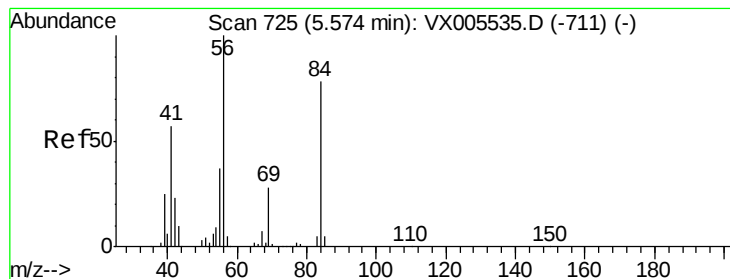
10/31/2018 11:07:07 AM



#30
Chloroform
Concen: 18.40 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	76.0





#31

Cyclohexane

Concen: 19.19 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

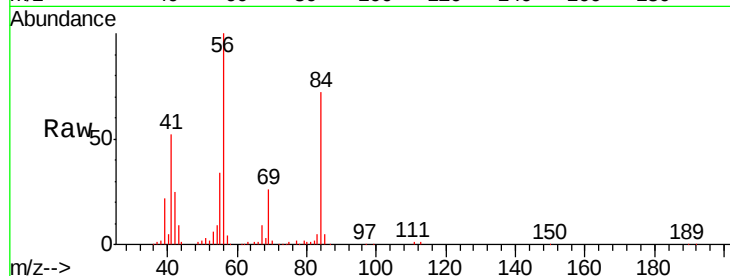
MSVOA_X

ClientSampled :

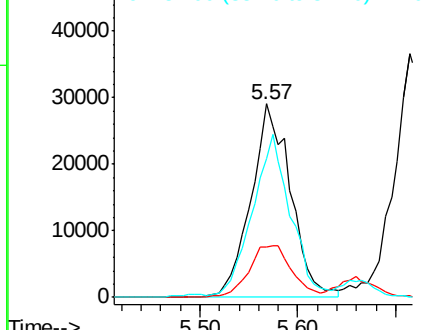
VX1030WBS01

Tgt Ion:	56	Resp:	82105
Ion	Ratio	Lower	Upper
56	100		
69	25.8	22.6	34.0
84	70.7	62.7	94.1

Manual Integrations
APPROVED

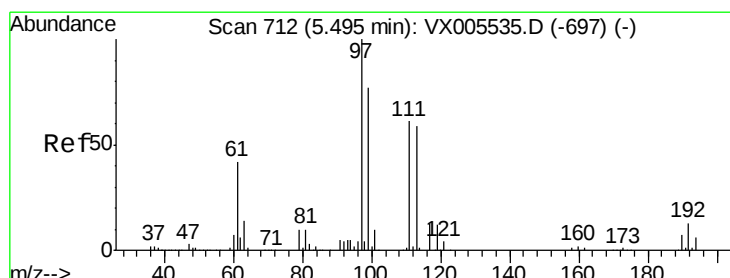
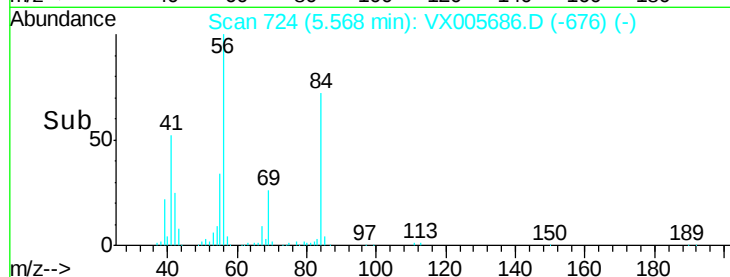


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



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#32

1,1,1-Trichloroethane

Concen: 17.27 ug/l

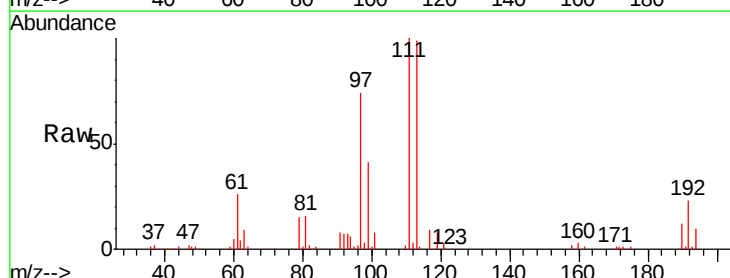
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

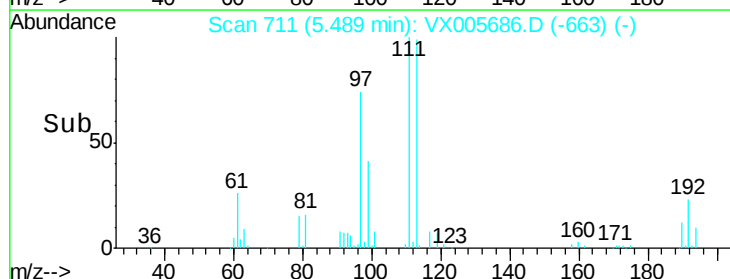
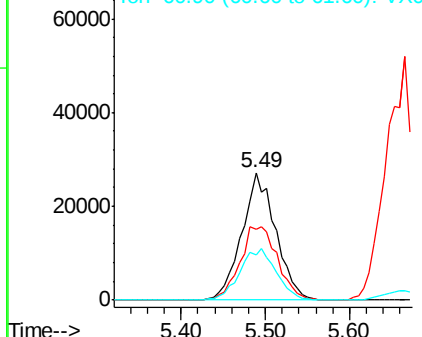
Lab File: VX005686.D

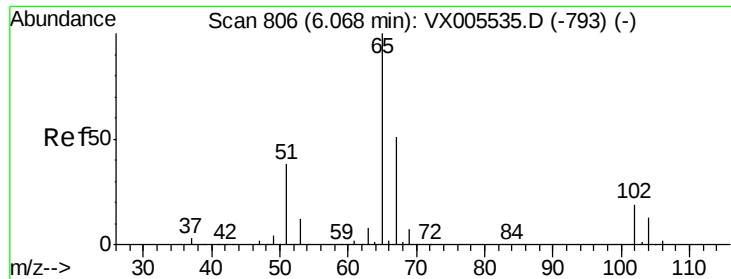
Acq: 30 Oct 2018 12:47

Tgt Ion:	97	Resp:	73746
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	44.1	35.2	52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



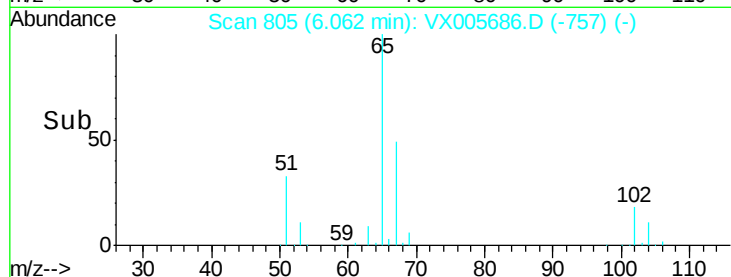
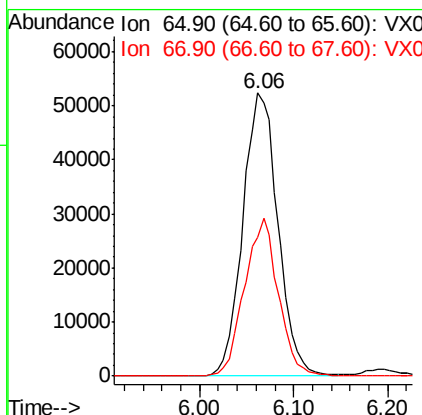
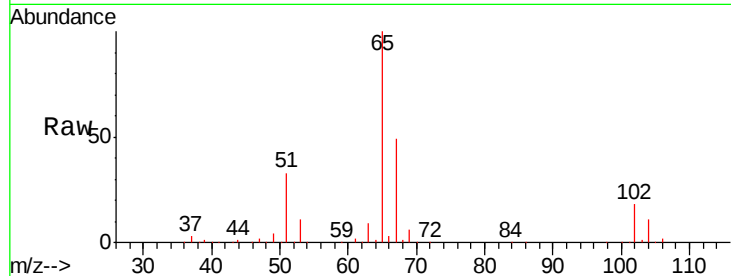


#33
 1,2-Dichloroethane-d4
 Concen: 43.11 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

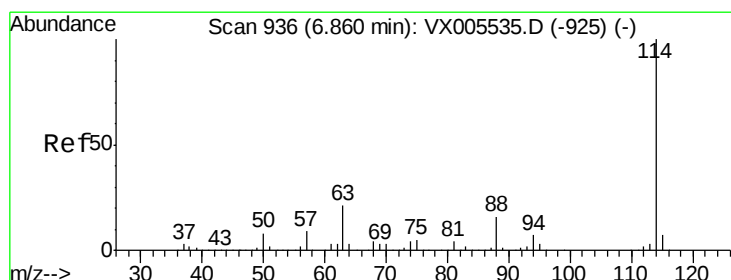
Tgt Ion: 65 Resp: 136810
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0

Manual Integrations
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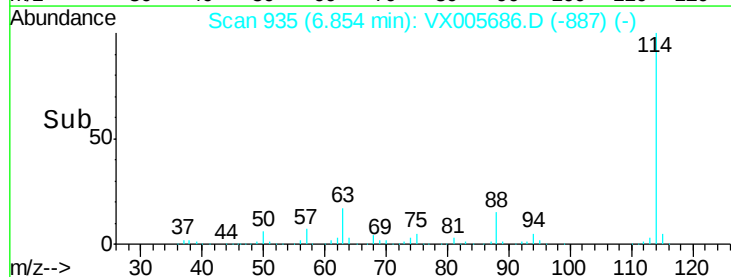
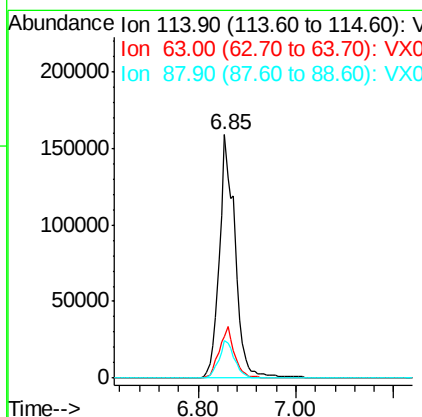
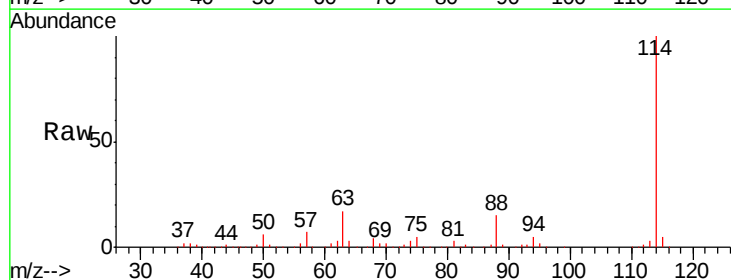
MMDadoda

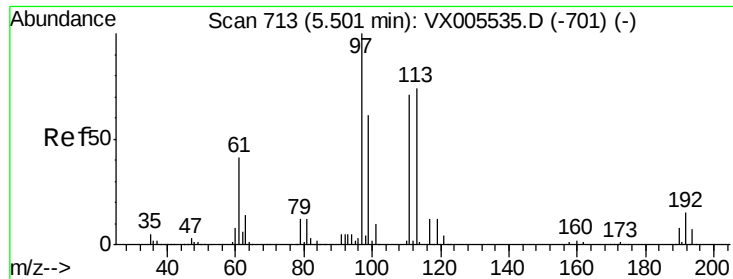
10/31/2018 11:07:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 114 Resp: 353872
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 42.8
 88 15.2 0.0 31.2



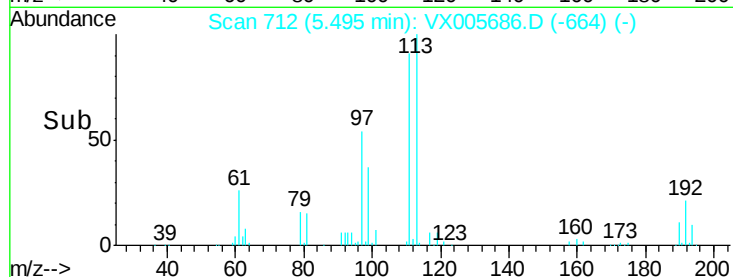
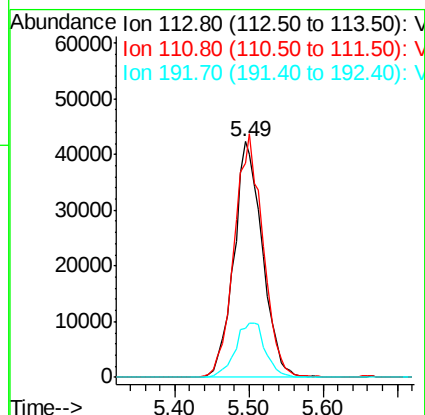
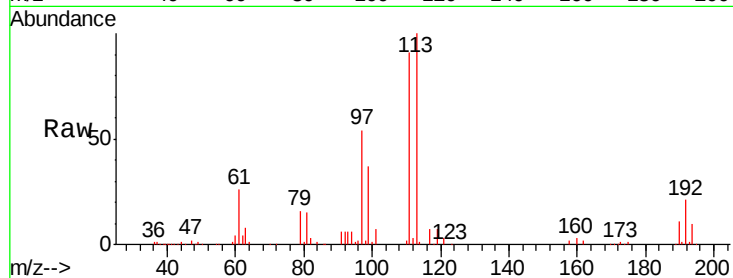


#35
 Dibromofluoromethane
 Concen: 47.39 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

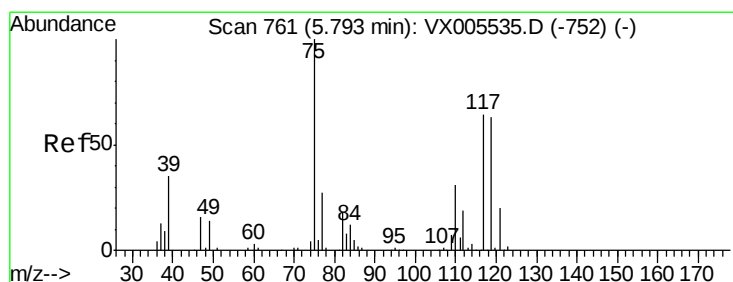
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	113557		
111	103.6	82.3	123.5	
192	24.2	17.9	26.9	

Manual Integrations
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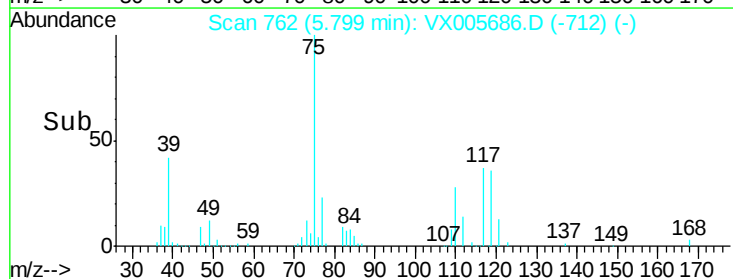
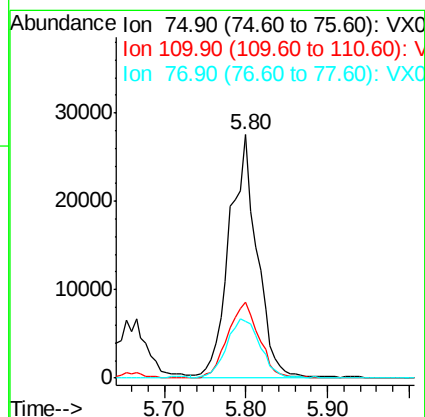
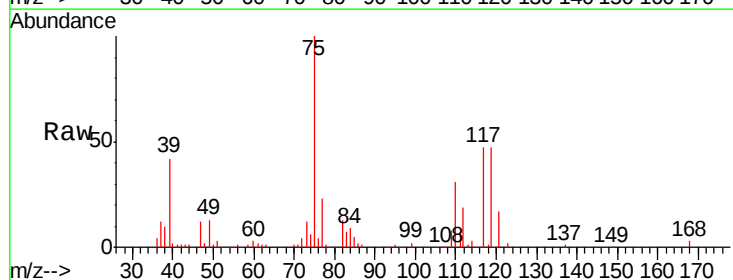
MMDadoda

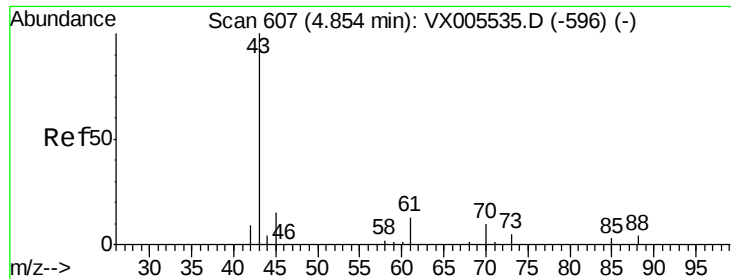
10/31/2018 11:07:07 AM



#36
 1,1-Dichloropropene
 Concen: 18.63 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63987		
110	35.6	17.4	52.2	
77	30.0	25.8	38.6	



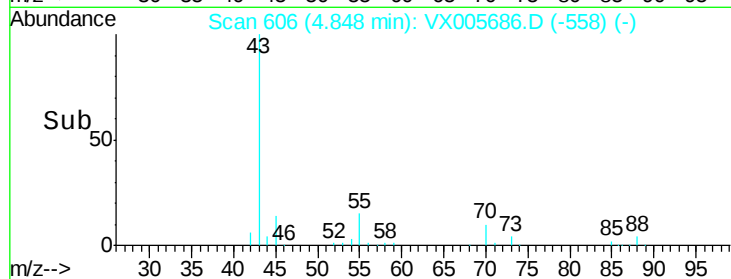
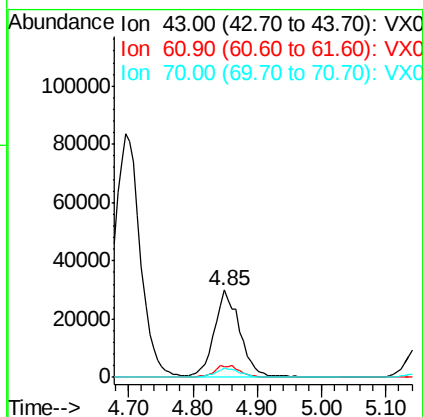
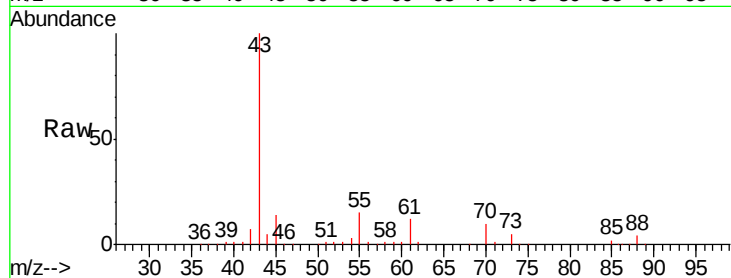


#37
Ethyl Acetate
Concen: 19.03 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

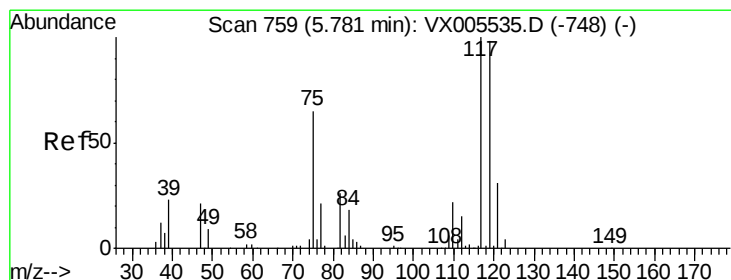
Tgt Ion: 43 Resp: 83402
Ion Ratio Lower Upper
43 100
61 14.1 10.8 16.2
70 10.4 7.8 11.8

Manual Integrations
APPROVED



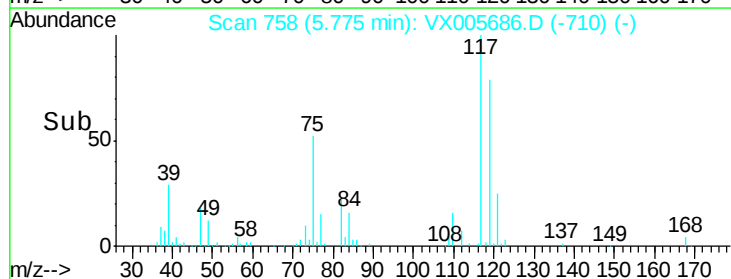
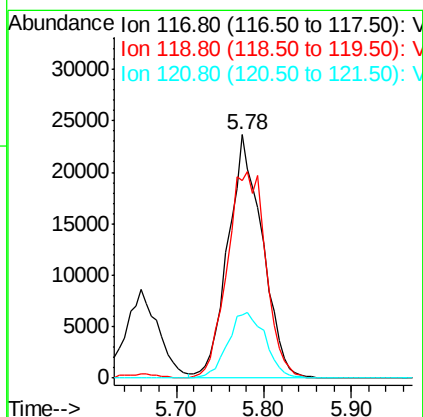
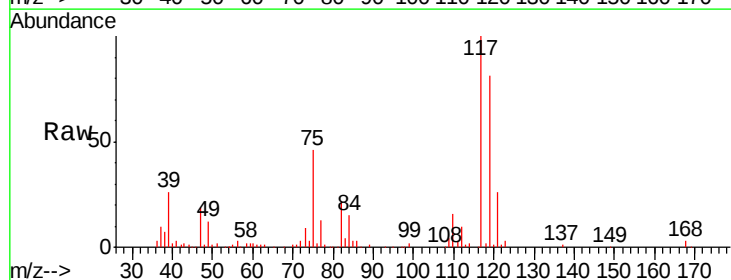
MMDadoda

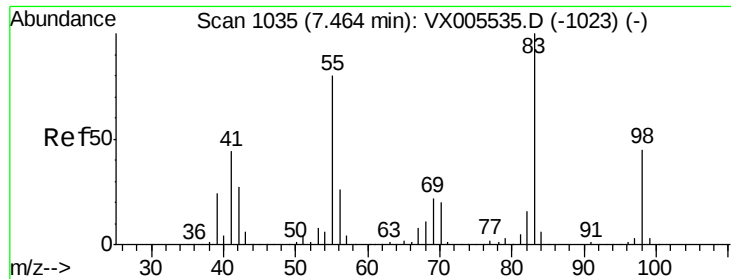
10/31/2018 11:07:07 AM



#38
Carbon Tetrachloride
Concen: 17.86 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 117 Resp: 64609
Ion Ratio Lower Upper
117 100
119 81.2 78.1 117.1
121 25.9 24.6 36.8



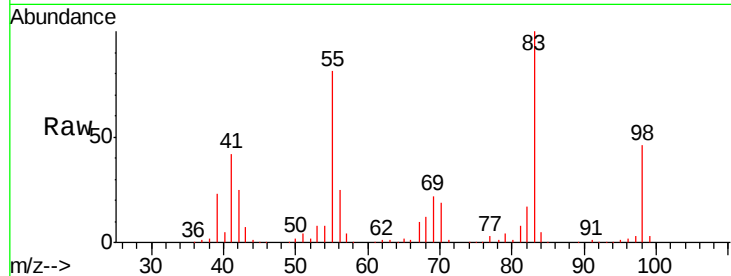


#39
Methylcyclohexane
Concen: 18.40 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

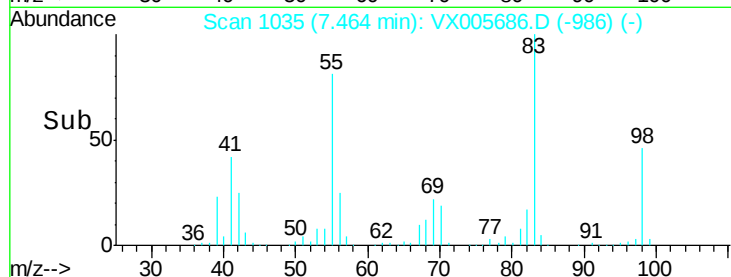
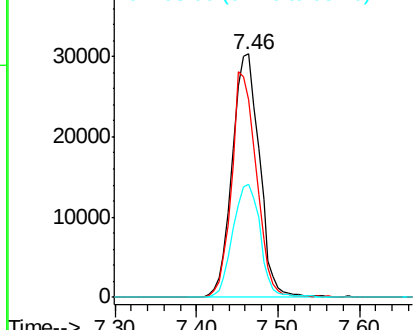
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.7	95.5
98	46.5	36.2	54.2

Manual Integrations
APPROVED

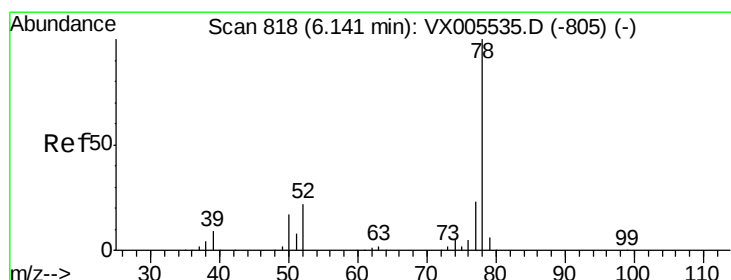


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



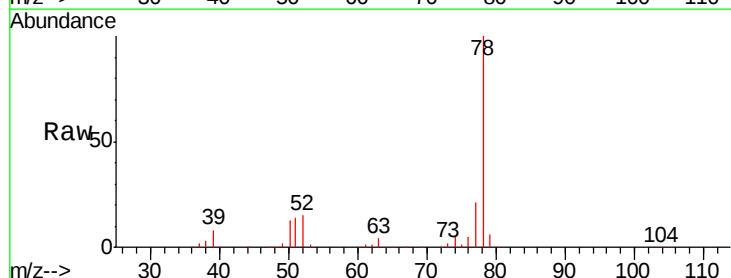
MMDadoda

10/31/2018 11:07:07 AM

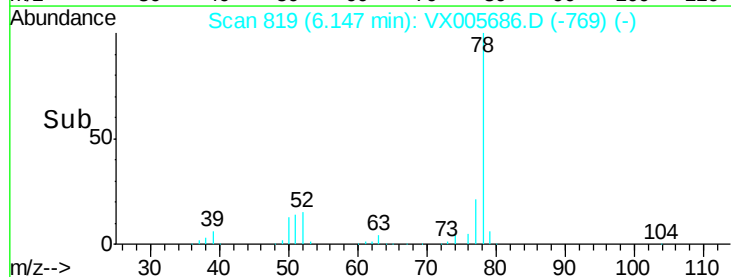
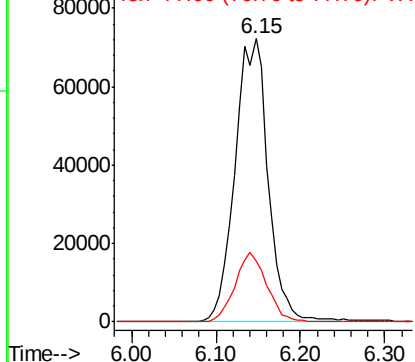


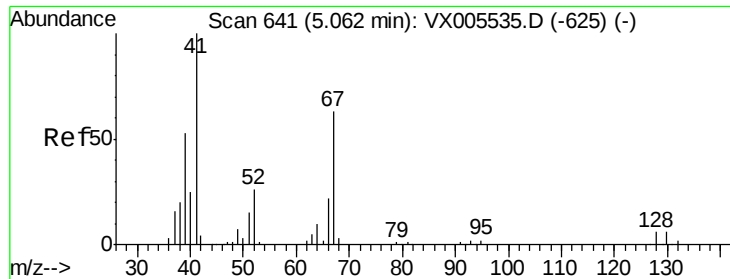
#40
Benzene
Concen: 19.46 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0



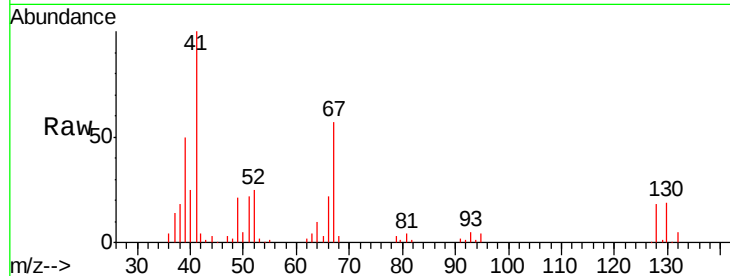


#41
Methacrylonitrile
Concen: 18.91 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

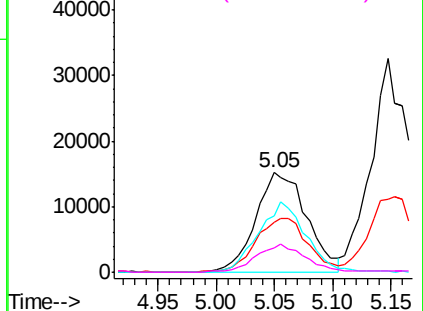
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	42.2	63.2	
67	66.1	53.4	80.0	
52	27.5	23.4	35.2	

Manual Integrations
APPROVED

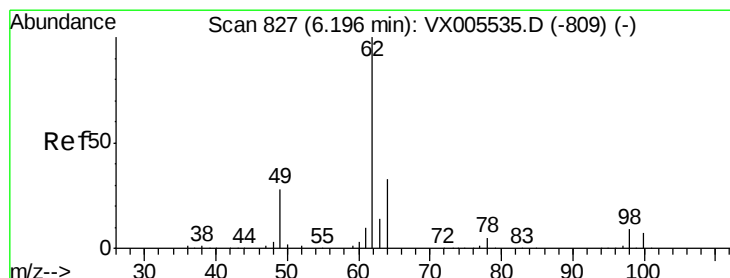
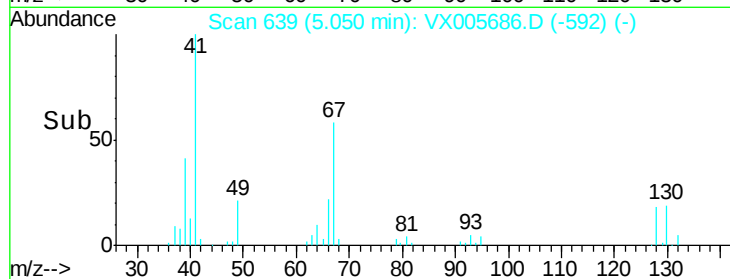


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



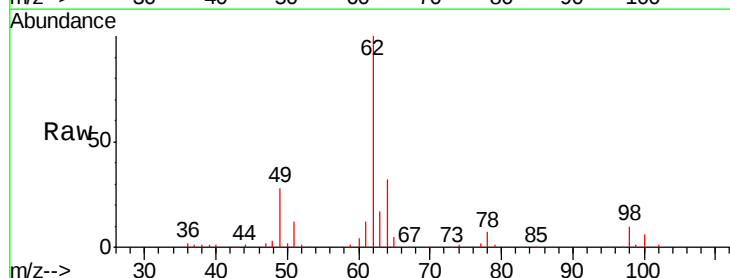
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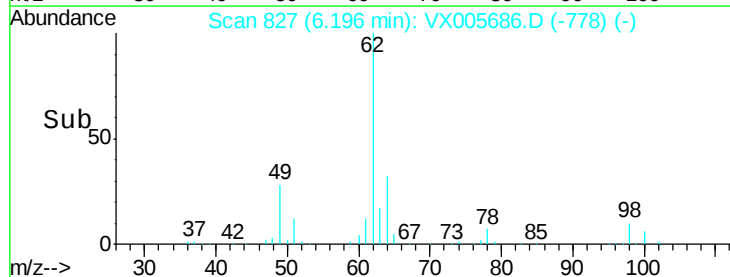
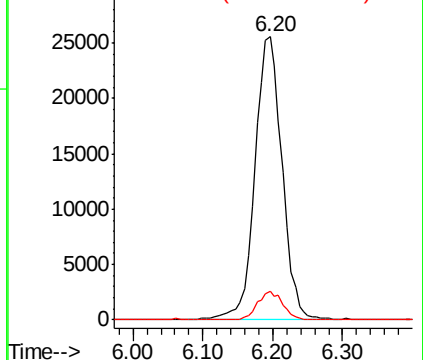


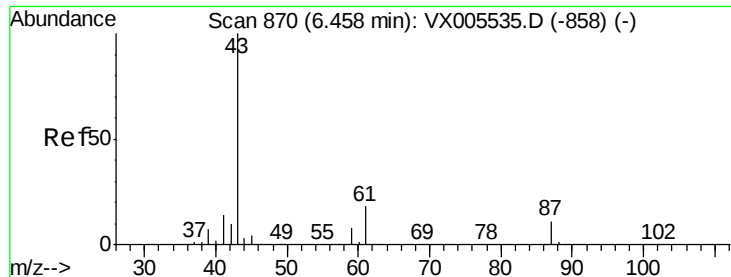
#42
1,2-Dichloroethane
Concen: 18.38 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.95 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

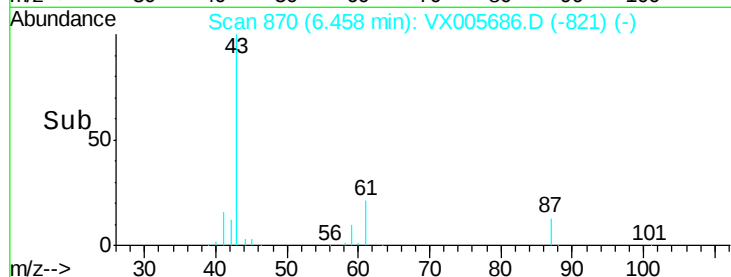
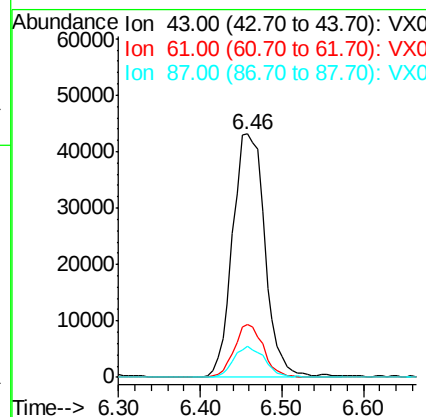
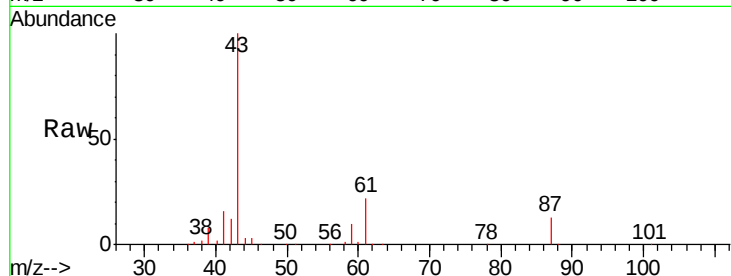
MSVOA_X

ClientSampleId :

VX1030WBS01

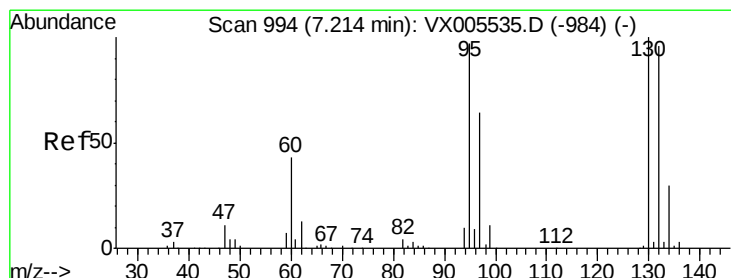
Tgt Ion:	43	Resp:	117855
Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.6	22.0
87	12.1	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 17.93 ug/l

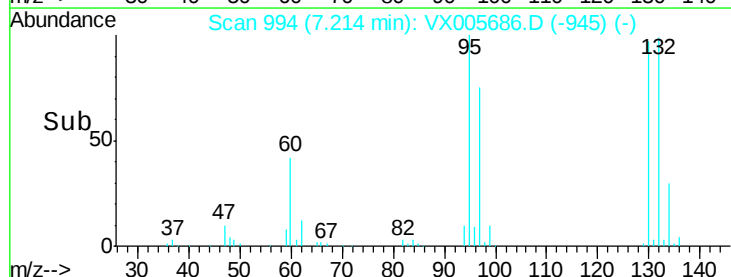
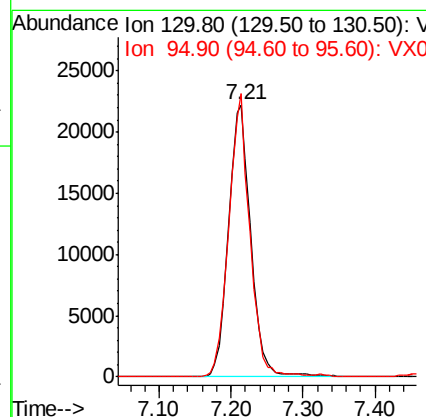
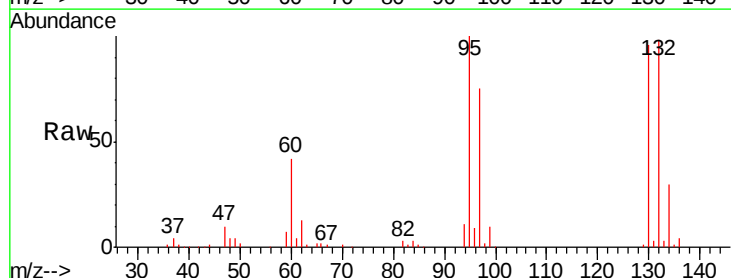
RT: 7.21 min Scan# 994

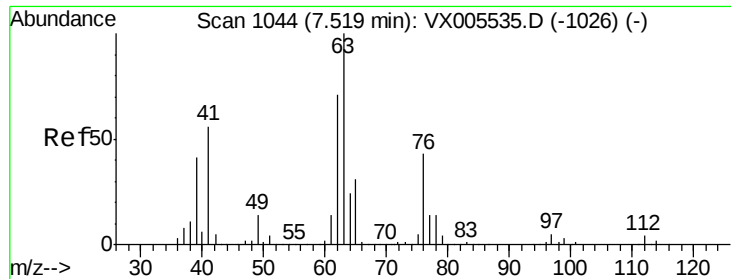
Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion:	130	Resp:	48089
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	194.2





#45

1,2-Dichloropropane

Concen: 17.37 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

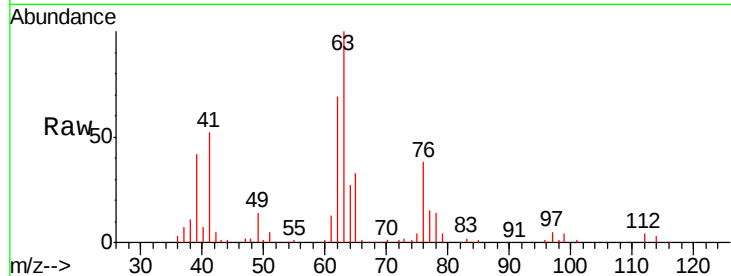
Tgt Ion: 63 Resp: 45971

Ion Ratio Lower Upper

63 100

65 32.9 24.8 37.2

Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

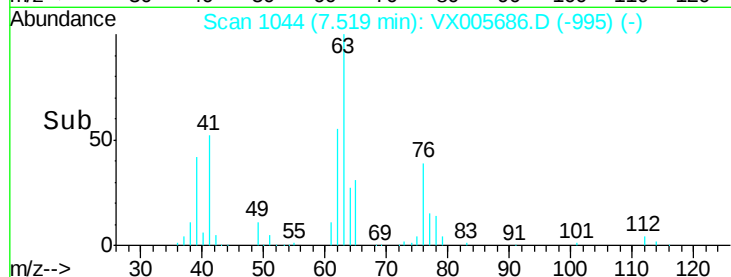
10000

5000

0

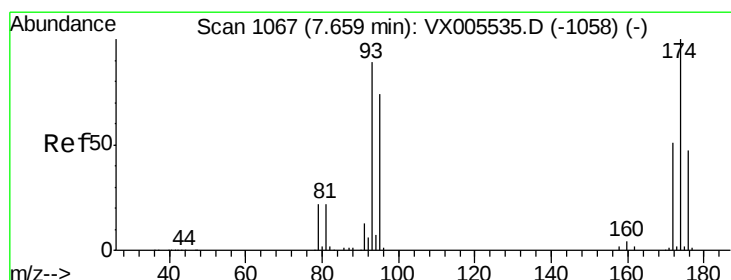
7.45 7.50 7.55 7.60

Time-->



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#46

Dibromomethane

Concen: 17.97 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

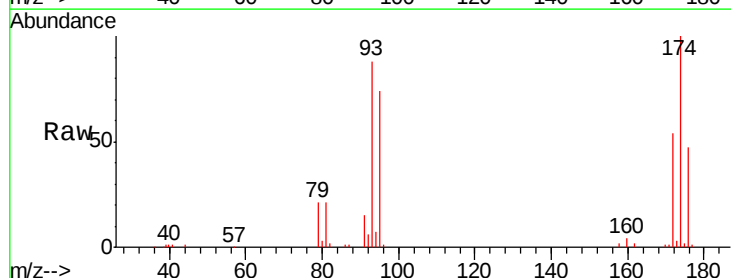
Tgt Ion: 93 Resp: 30723

Ion Ratio Lower Upper

93 100

95 82.1 67.4 101.0

174 115.6 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

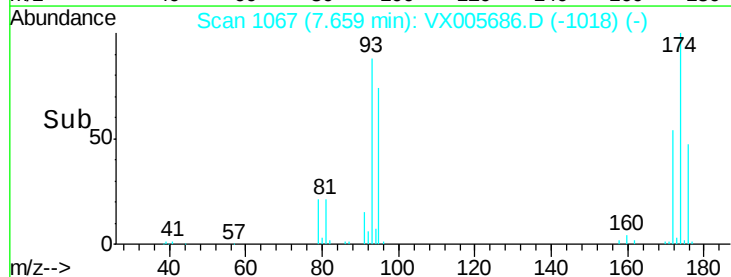
10000

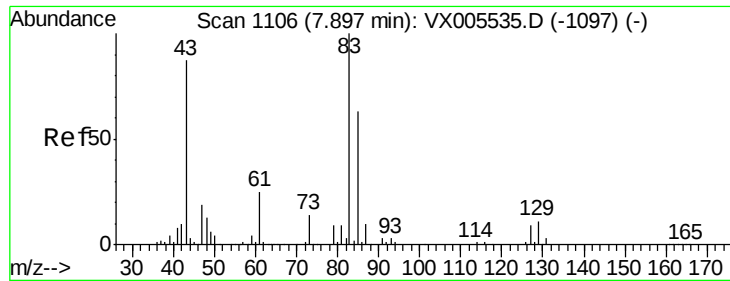
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



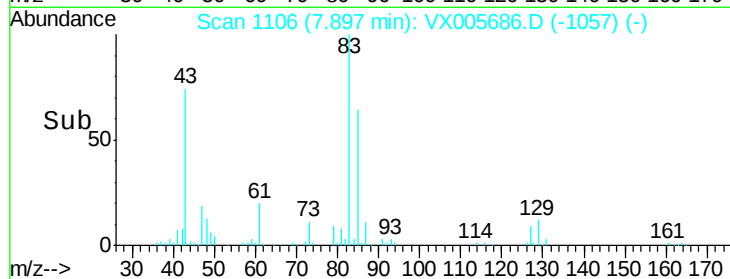
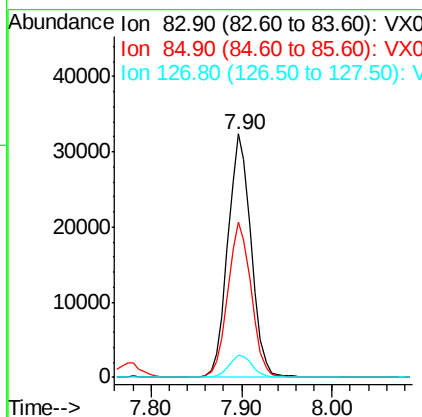
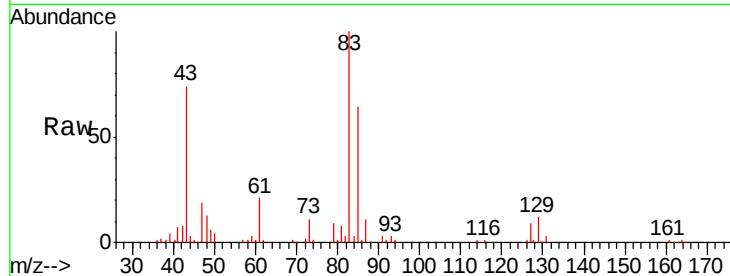


#47
Bromodichloromethane
Concen: 17.33 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

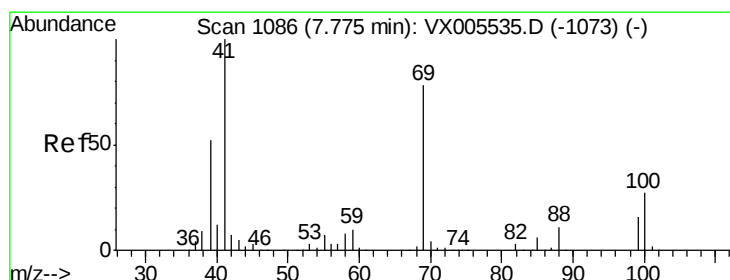
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	8.9	6.9	10.3

Manual Integrations
APPROVED



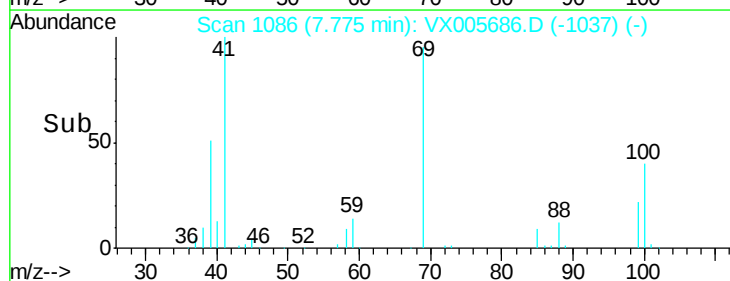
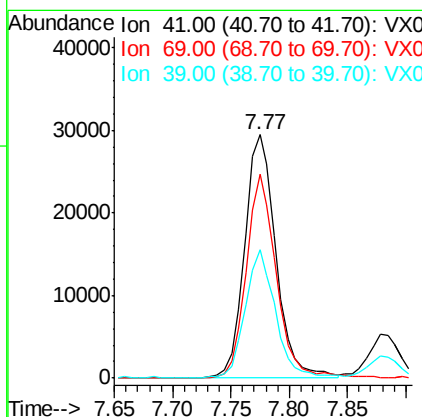
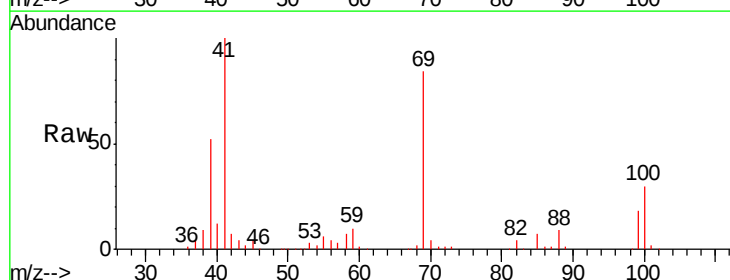
MMDadoda

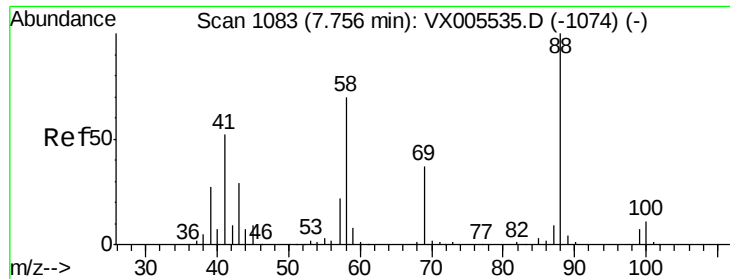
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#48
Methyl methacrylate
Concen: 17.32 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.9	63.2	94.8
39	50.7	42.2	63.2



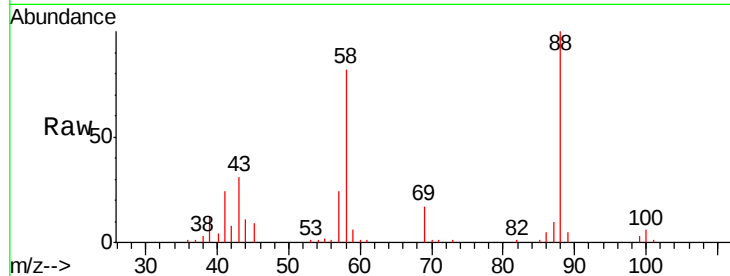


#49
1,4-Dioxane
Concen: 359.02 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

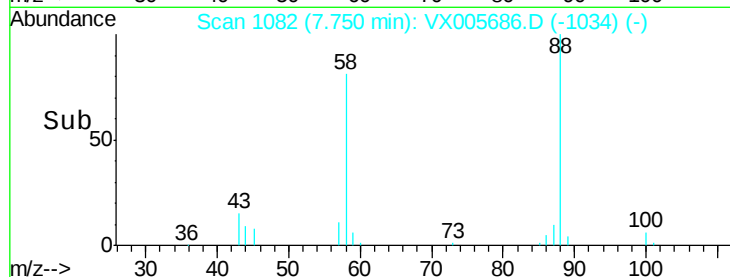
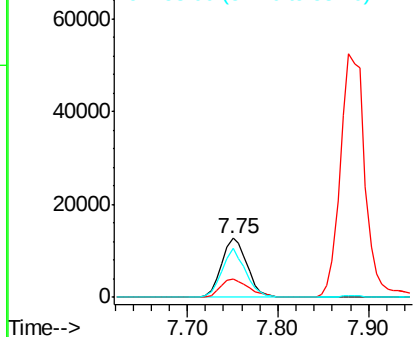
Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.4	41.0
58	76.6	59.4	89.2

Manual Integrations
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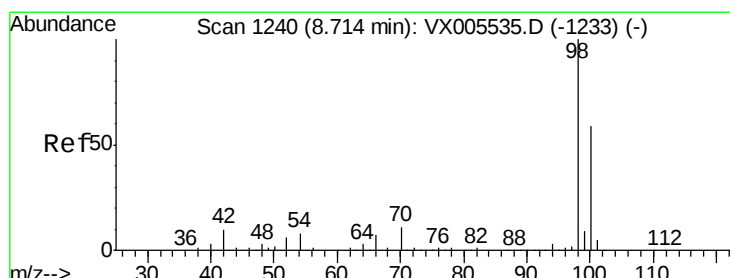


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



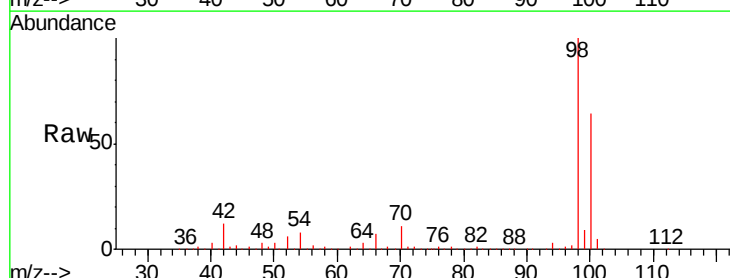
MMDadoda

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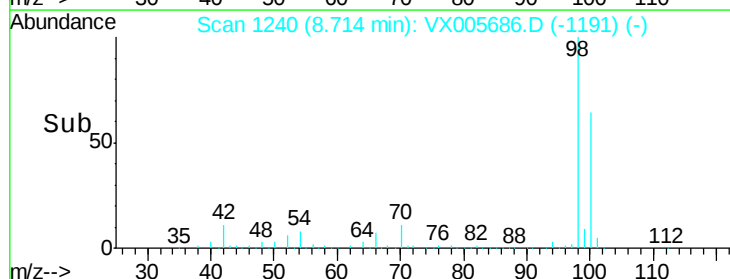
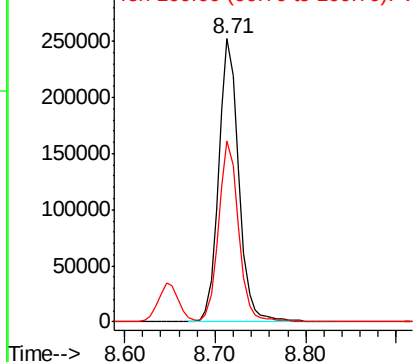


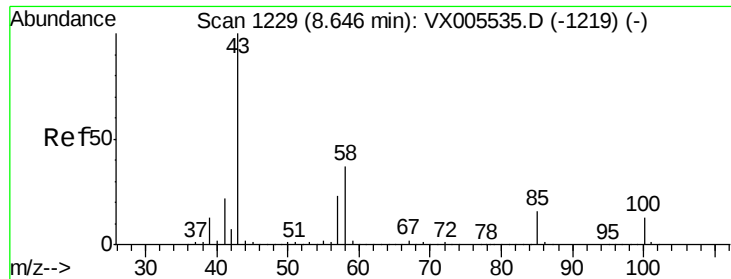
#50
Toluene-d8
Concen: 45.49 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



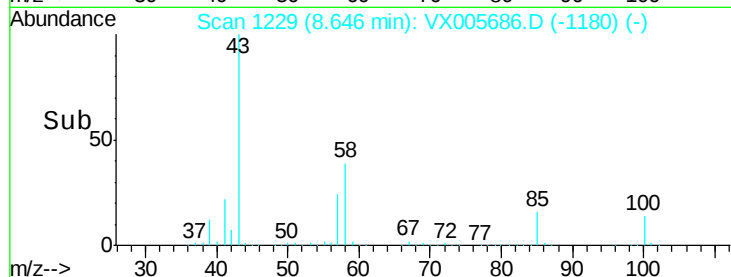
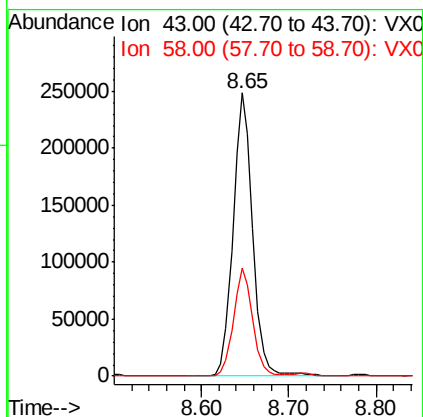
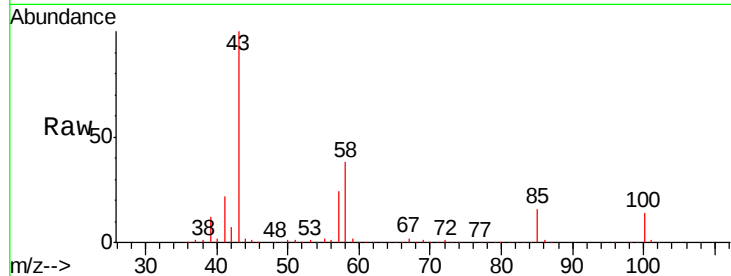


#51
4-Methyl-2-Pentanone
Concen: 87.82 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

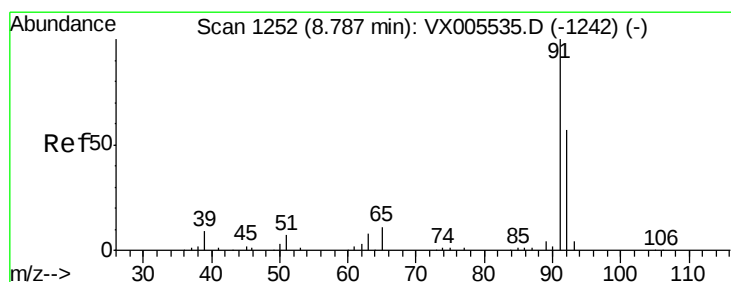
Tgt Ion: 43 Resp: 387567
Ion Ratio Lower Upper
43 100
58 37.4 29.7 44.5

Manual Integrations
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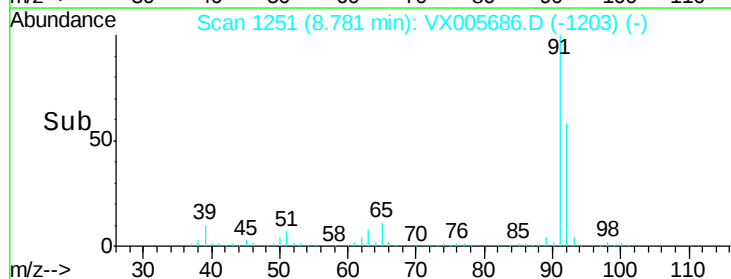
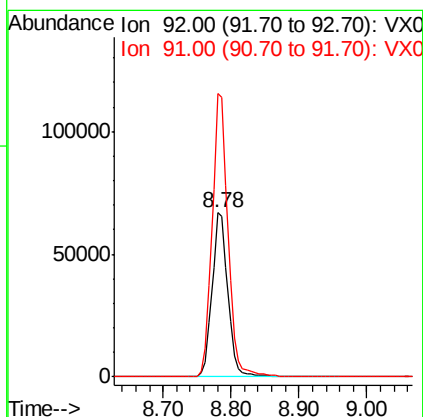
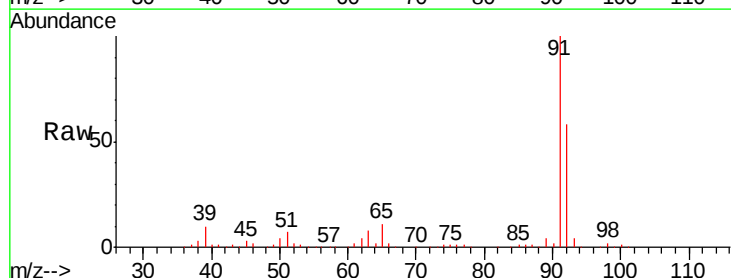
MMDadoda

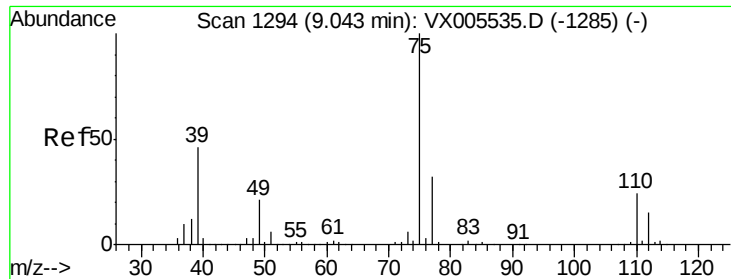
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#52
Toluene
Concen: 18.16 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 92 Resp: 108634
Ion Ratio Lower Upper
92 100
91 172.8 140.4 210.6



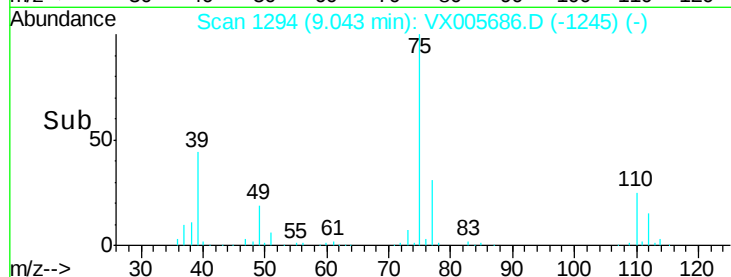
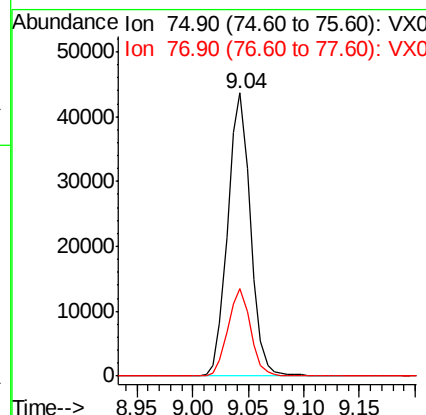
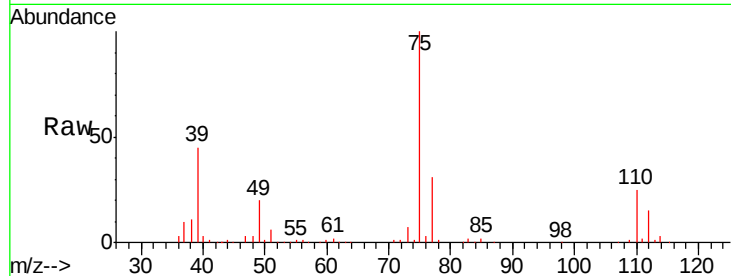


#53
t-1,3-Dichloropropene
Concen: 17.24 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

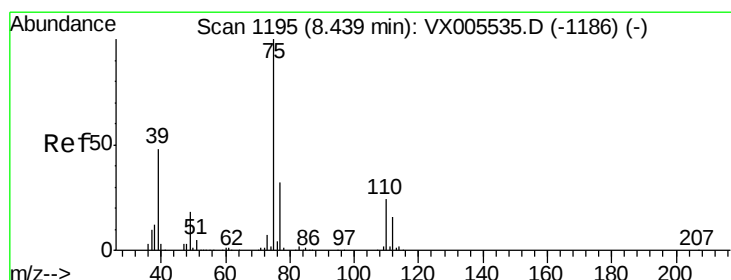
Tgt Ion: 75 Resp: 61827
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

Manual Integrations
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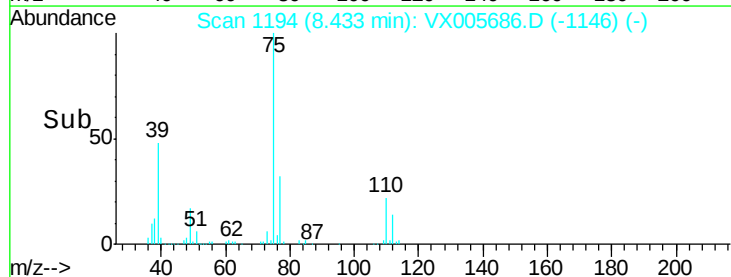
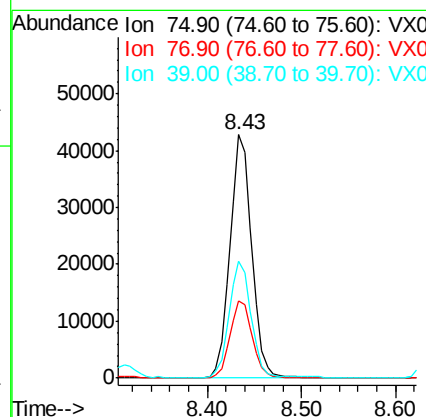
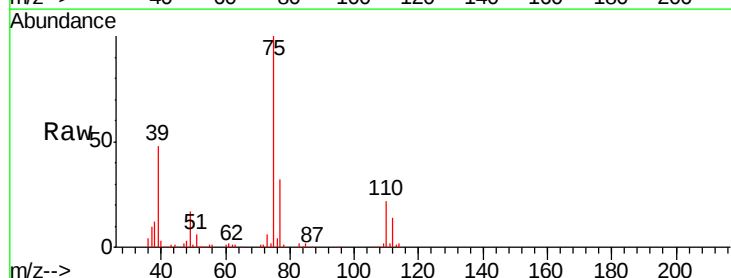
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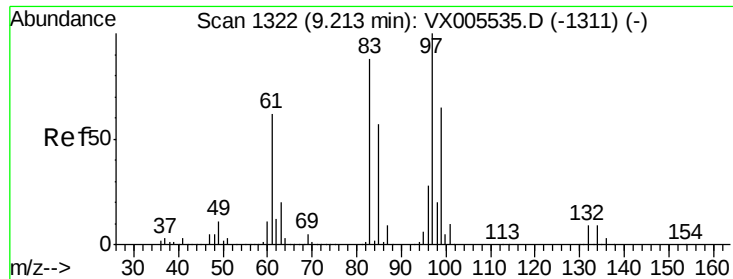
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#54
cis-1,3-Dichloropropene
Concen: 17.79 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 75 Resp: 68663
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 47.6 38.2 57.2



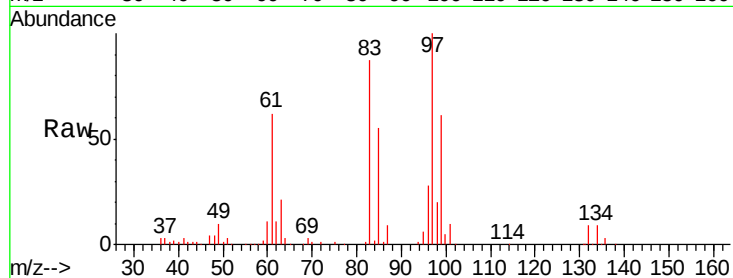


#55
 1,1,2-Trichloroethane
 Concen: 17.69 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	54.6	45.8	68.6
99	60.9	51.8	77.8

Manual Integrations
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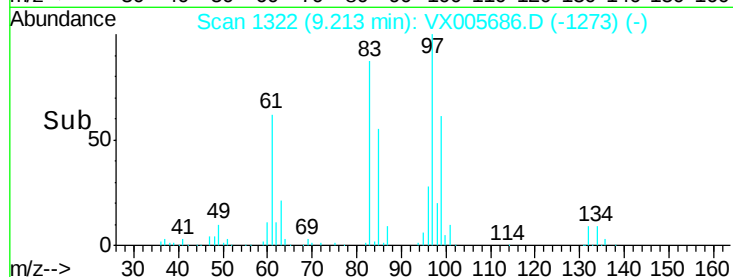
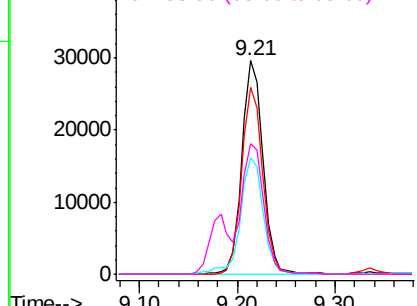


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

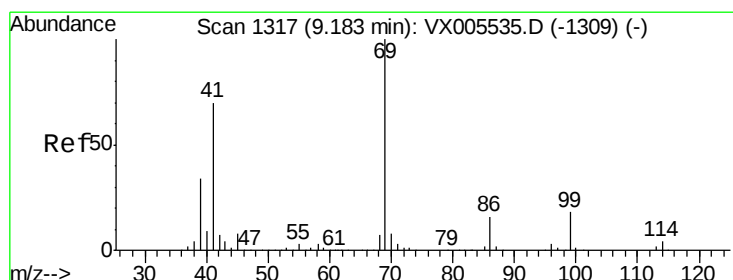
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



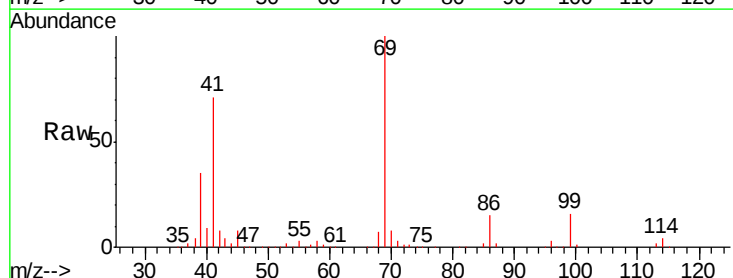
MMDadoda

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#56
 Ethyl methacrylate
 Concen: 17.37 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

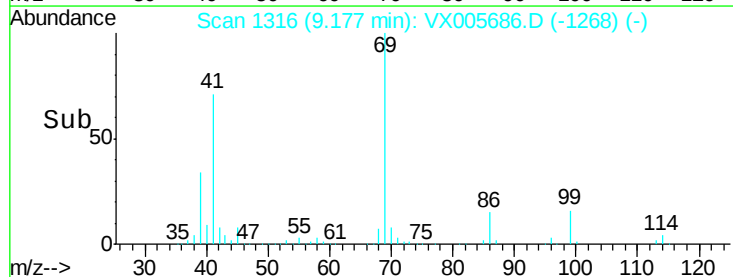
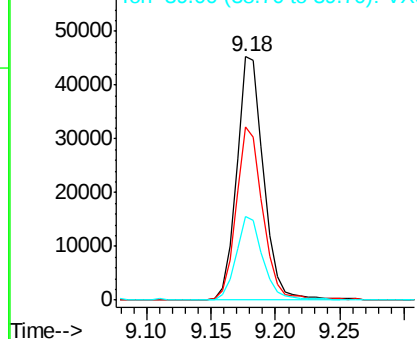
Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.6
39	33.5	28.3	42.5

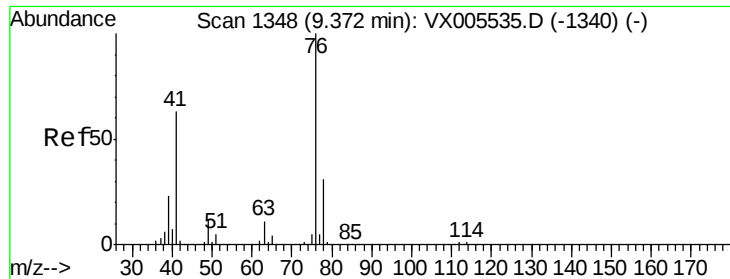


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



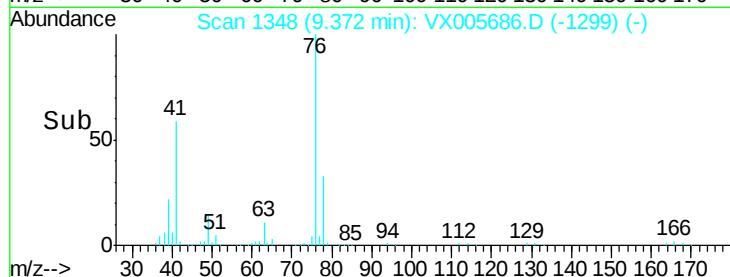
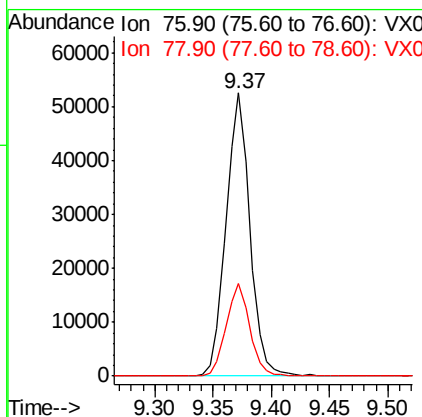
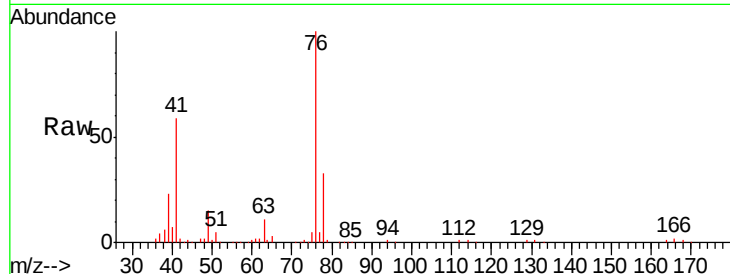


#57
 1,3-Dichloropropane
 Concen: 17.52 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

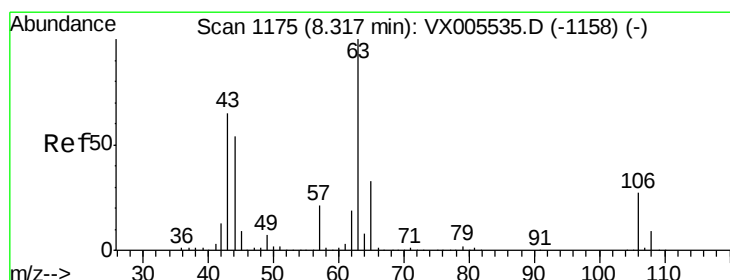
Tgt Ion: 76 Resp: 74774
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9

Manual Integrations
 APPROVED



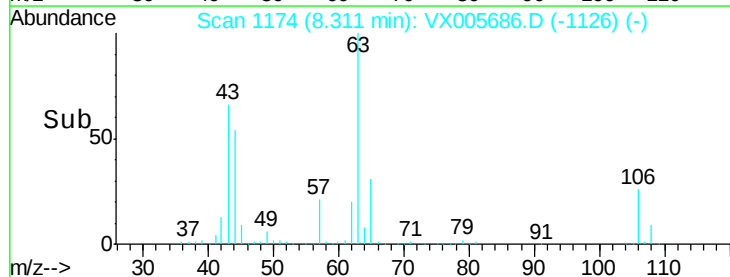
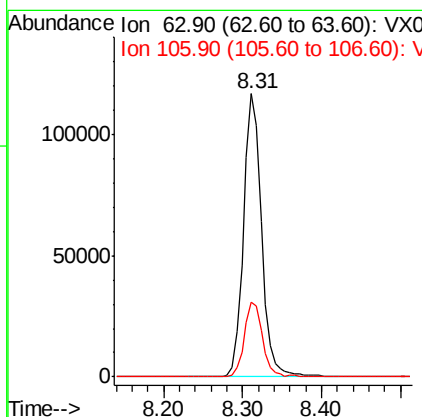
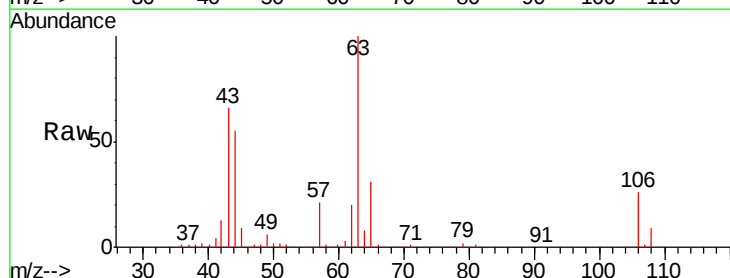
MM Dadoda

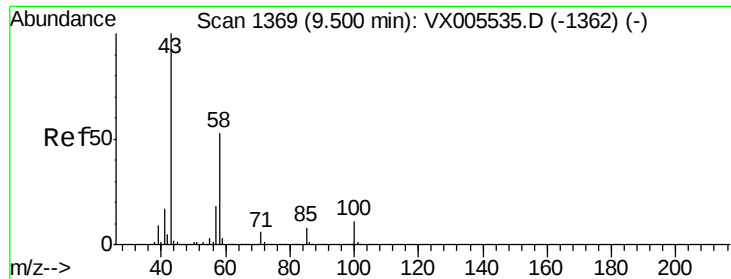
10/31/2018 11:07:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.45 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 63 Resp: 185871
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.3 31.9



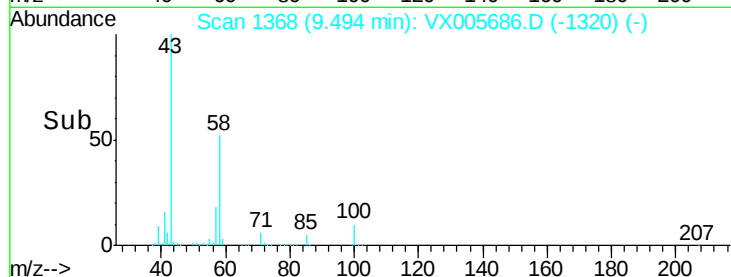
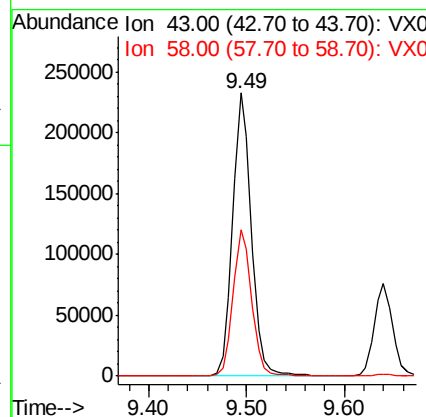
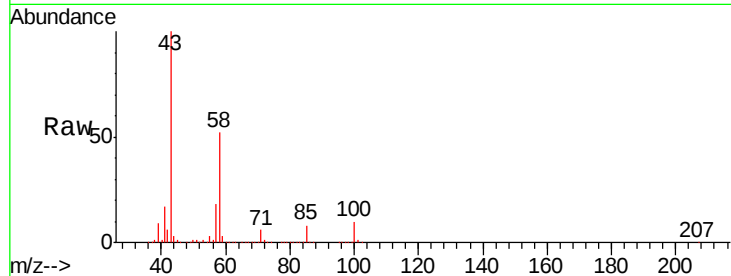


#59
2-Hexanone
Concen: 88.82 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

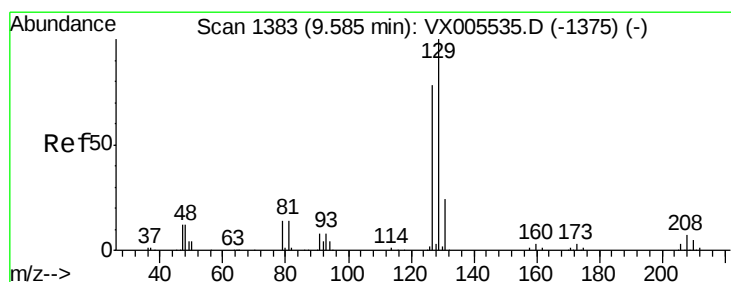
Tgt Ion: 43 Resp: 309083
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

Manual Integrations
APPROVED



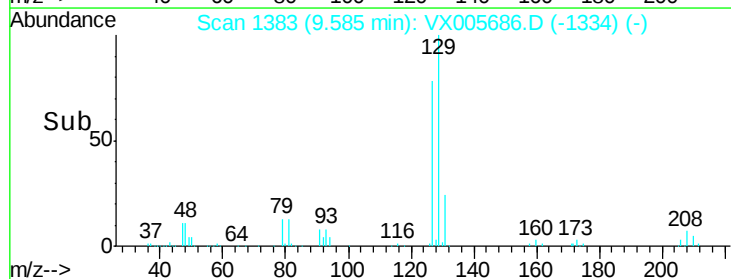
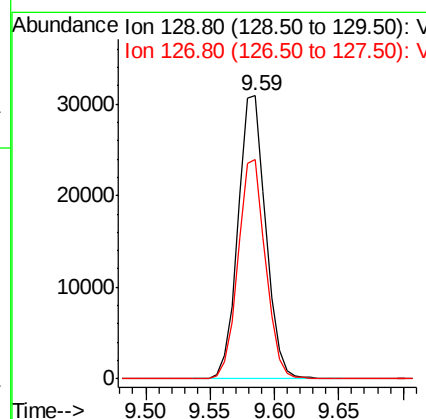
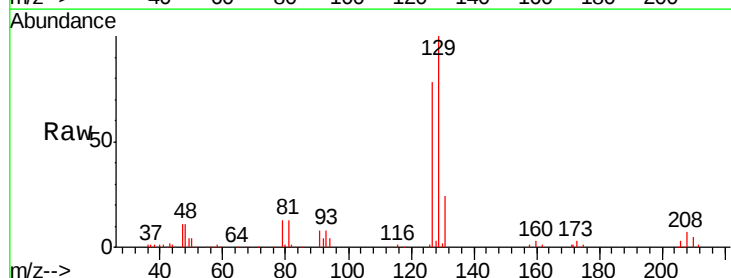
MMDadoda

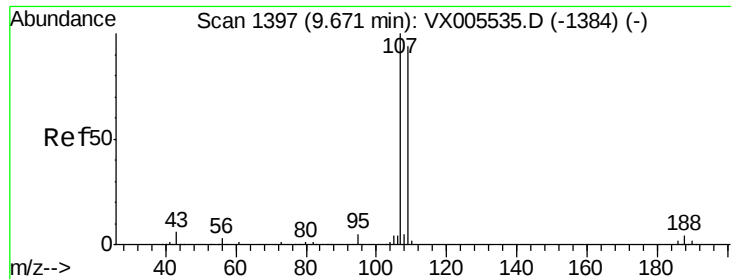
10/31/2018 11:07:07 AM



#60
Dibromochloromethane
Concen: 17.61 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 129 Resp: 46356
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7



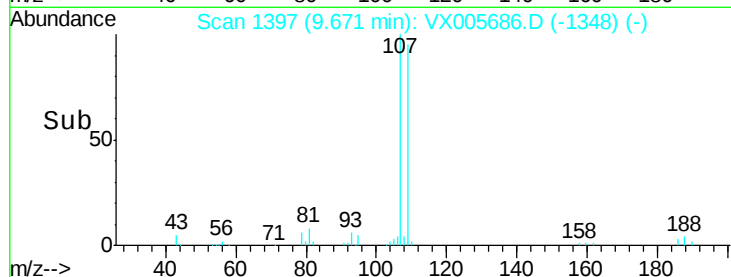
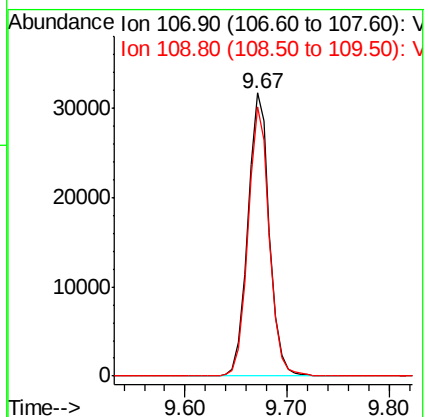
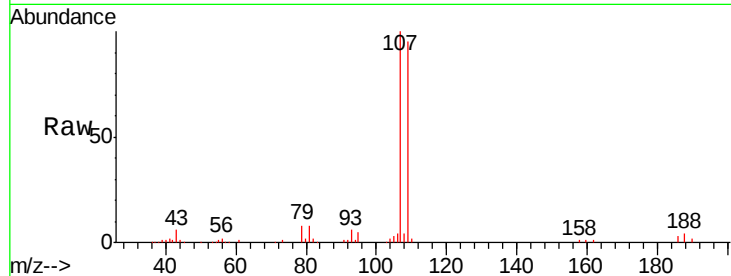


#61
 1,2-Dibromoethane
 Concen: 17.86 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

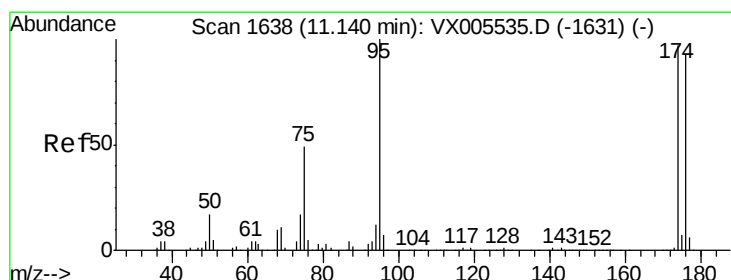
Tgt Ion: 107 Resp: 46607
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5

Manual Integrations
 APPROVED



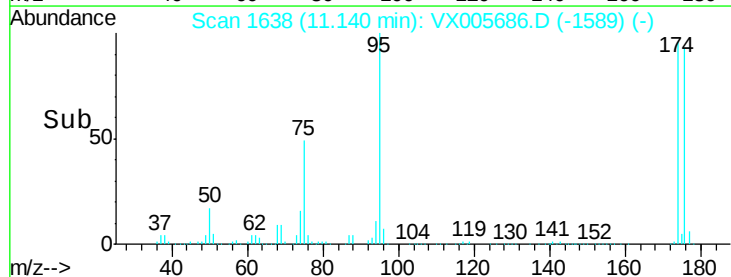
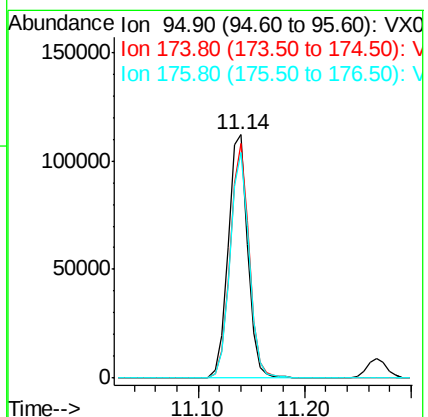
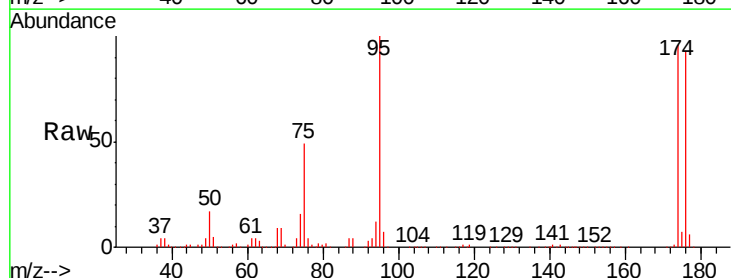
MMDadoda

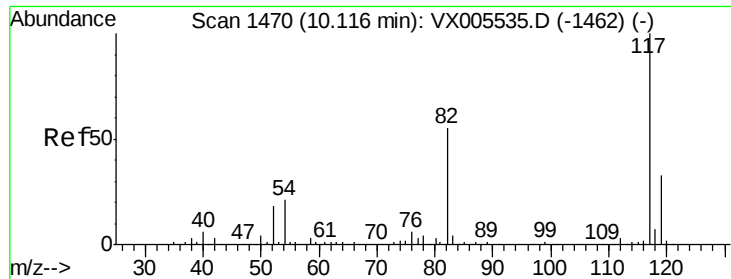
10/31/2018 11:07:07 AM



#62
 4-Bromofluorobenzene
 Concen: 44.74 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 95 Resp: 145468
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 184.4
 176 90.0 0.0 177.4



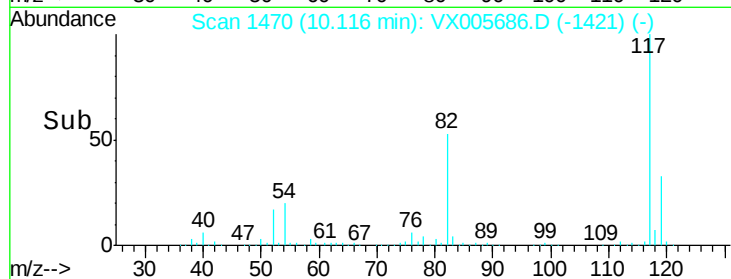
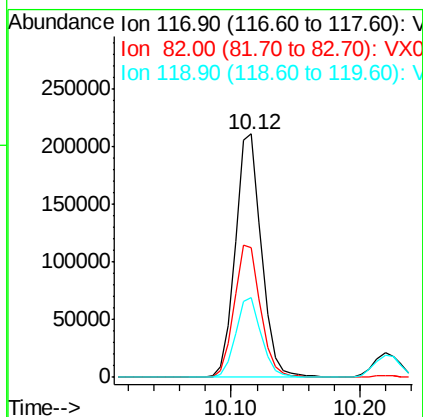
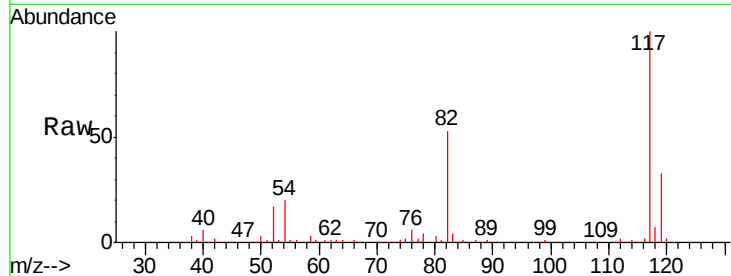


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

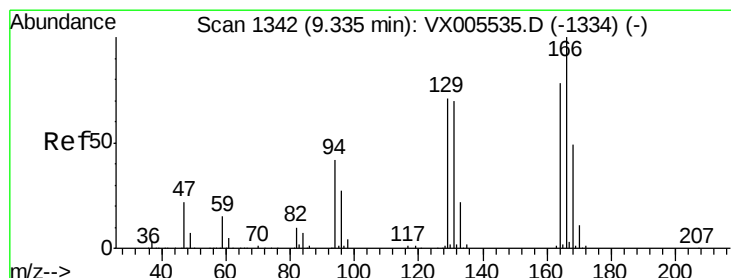
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	297437		
82	53.1	44.1	66.1	
119	32.5	26.2	39.2	

Manual Integrations
APPROVED



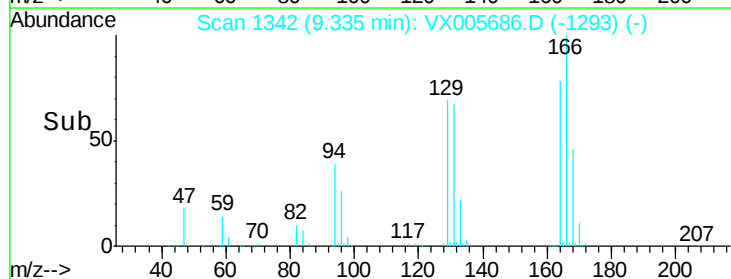
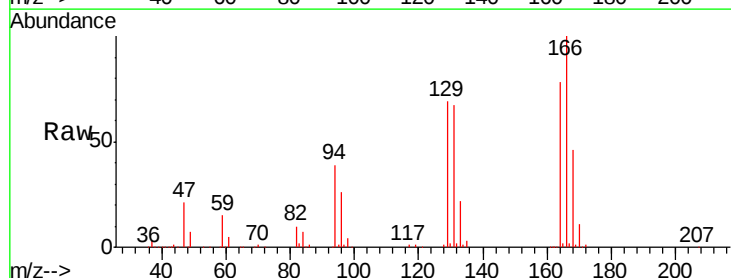
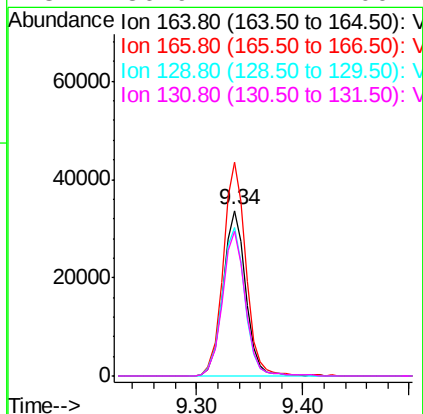
MMDadoda

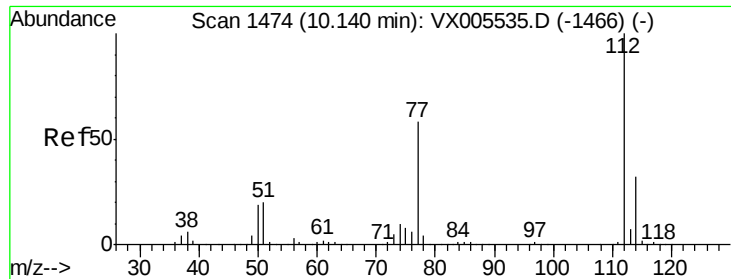
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#64
Tetrachloroethene
Concen: 20.33 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50204		
166	128.9	101.9	152.9	
129	89.5	72.6	109.0	
131	86.9	71.1	106.7	



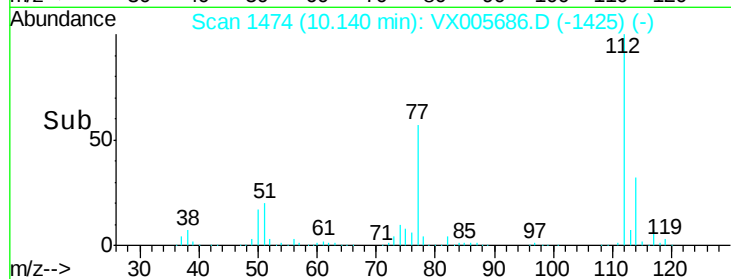
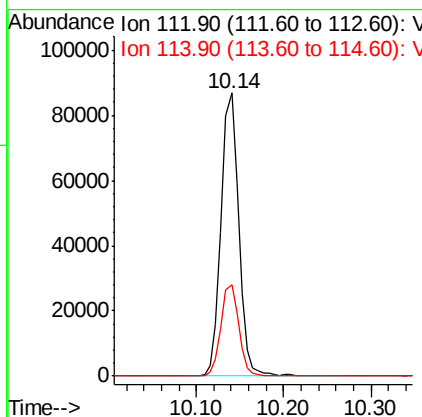
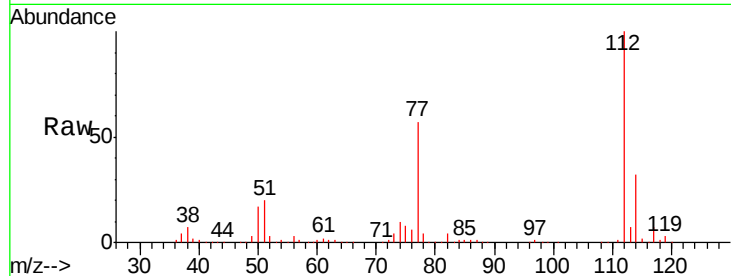


#65
Chlorobenzene
Concen: 19.15 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

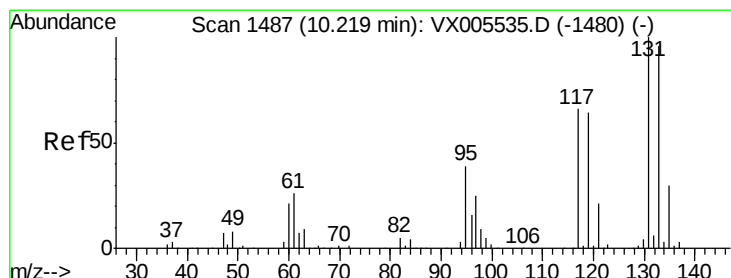
Tgt Ion:112 Resp: 121304
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

Manual Integrations
APPROVED



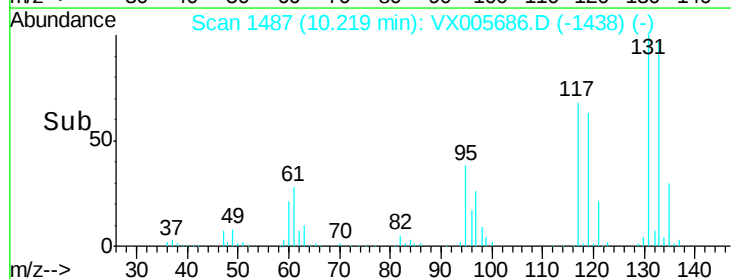
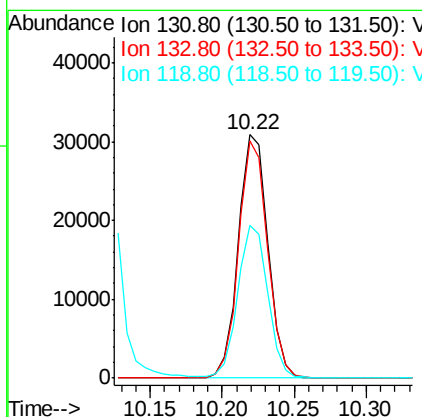
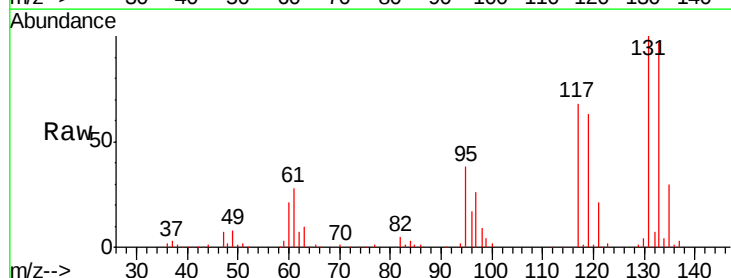
MMDadoda

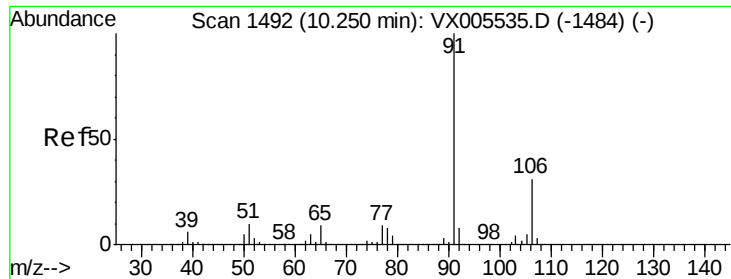
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.02 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion:131 Resp: 43937
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 63.7 31.8 95.3



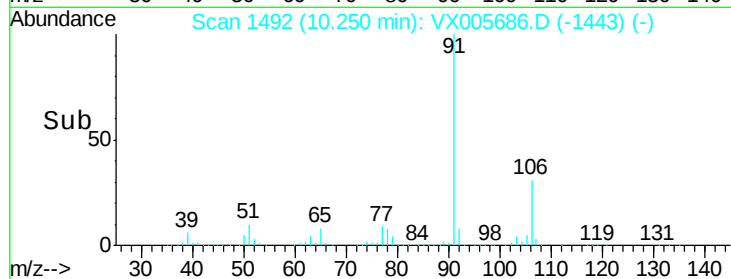
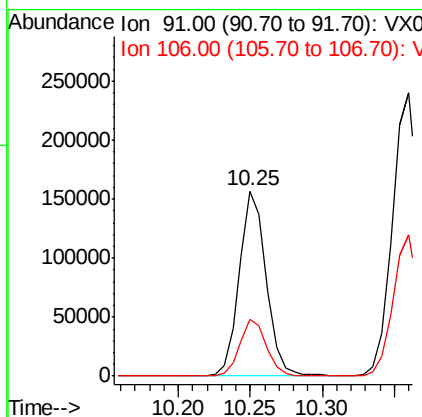
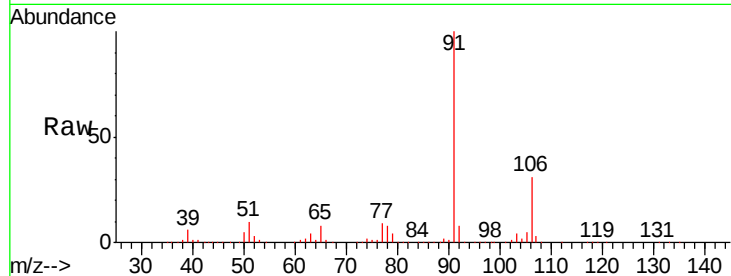


#67
Ethyl Benzene
Concen: 19.55 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

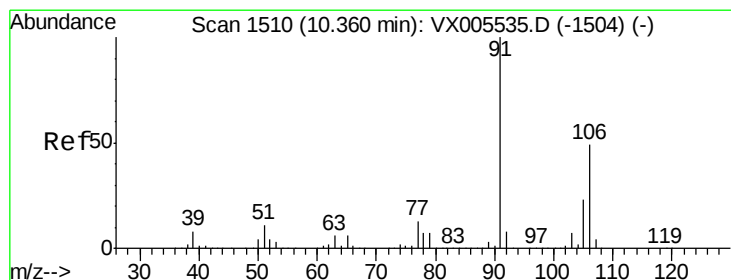
Tgt Ion: 91 Resp: 203702
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

Manual Integrations
APPROVED



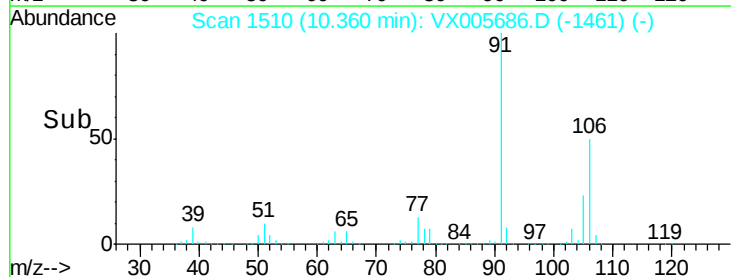
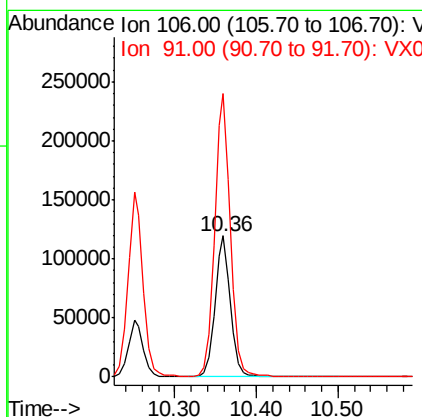
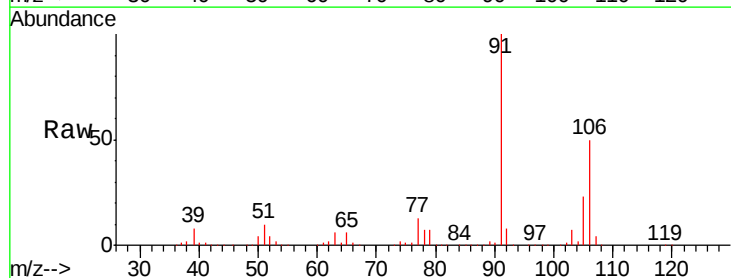
MMDadoda

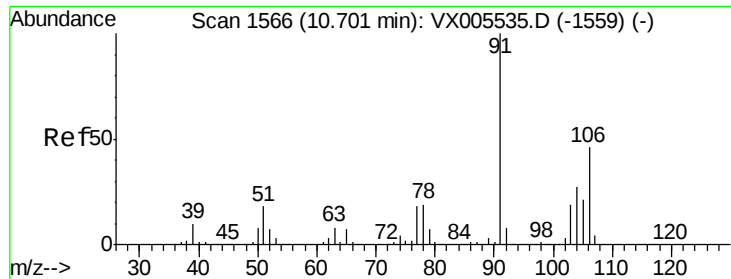
10/31/2018 11:07:07 AM



#68
m/p-Xylenes
Concen: 39.54 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 106 Resp: 159877
Ion Ratio Lower Upper
106 100
91 205.0 164.2 246.4



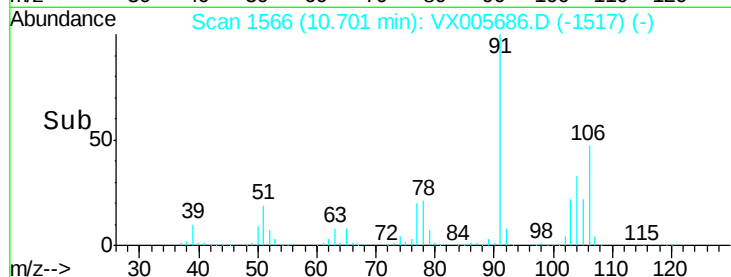
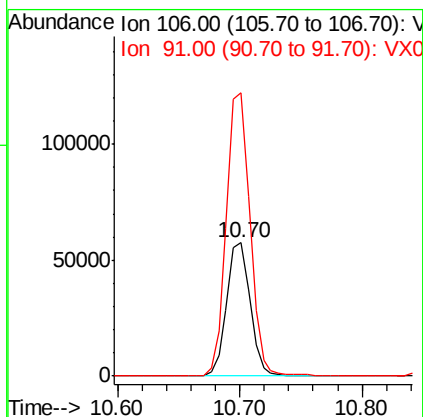
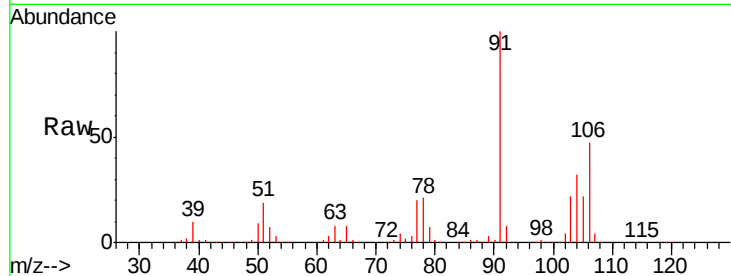


#69
o-Xylene
Concen: 20.13 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

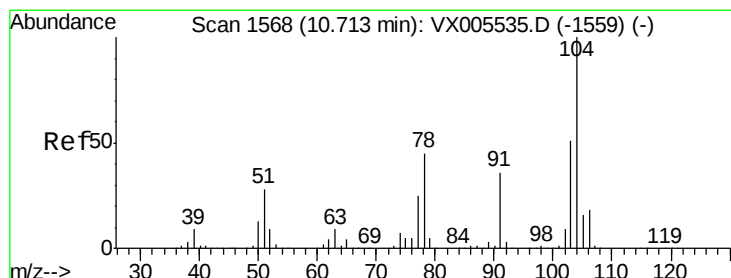
Tgt Ion:106 Resp: 76583
Ion Ratio Lower Upper
106 100
91 214.6 108.5 325.5

Manual Integrations
APPROVED



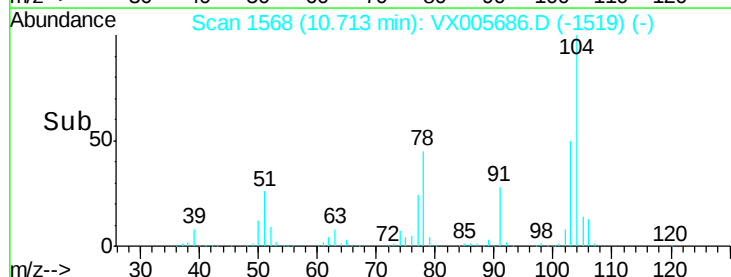
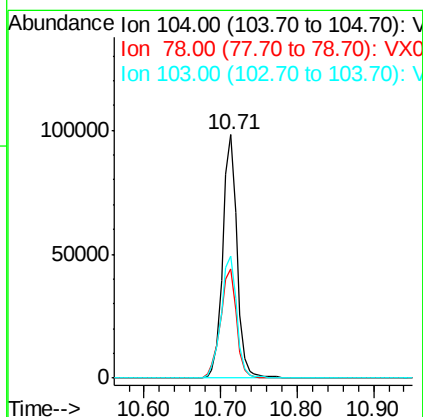
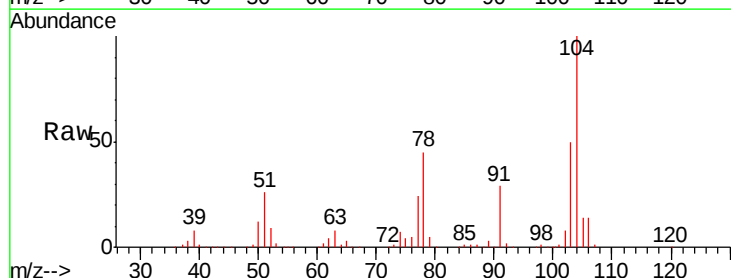
MMDadoda

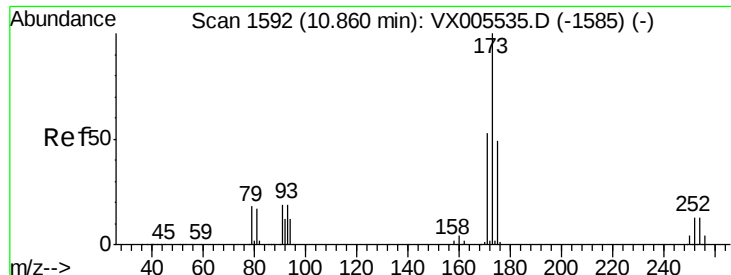
10/31/2018 11:07:07 AM



#70
Styrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion:104 Resp: 126935
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 55.6 44.9 67.3





#71

Bromoform

Concen: 17.95 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

Tgt Ion:173 Resp: 36984

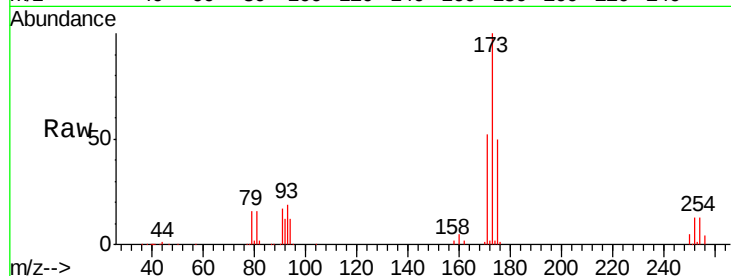
Ion Ratio Lower Upper

173 100

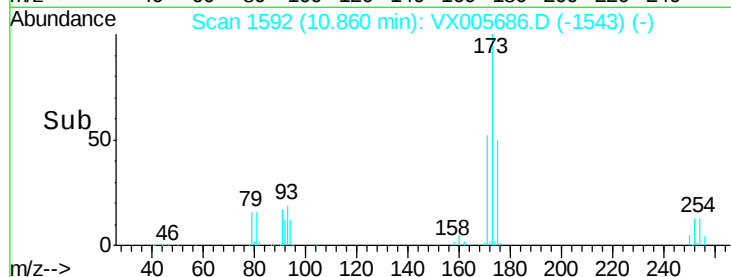
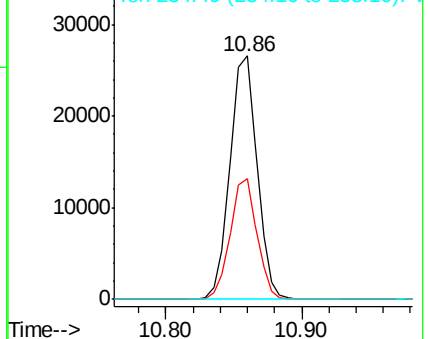
175 48.8 24.8 74.3

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

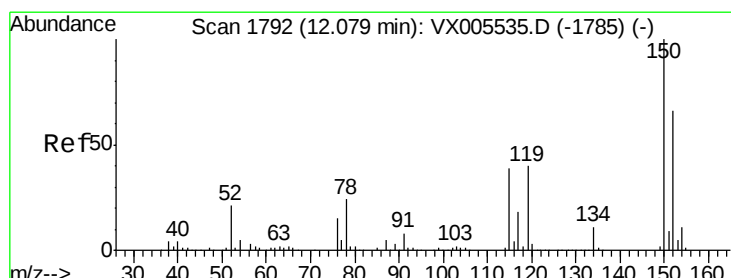


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

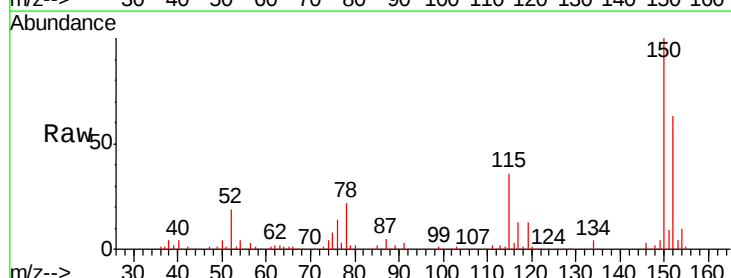
Tgt Ion:152 Resp: 167947

Ion Ratio Lower Upper

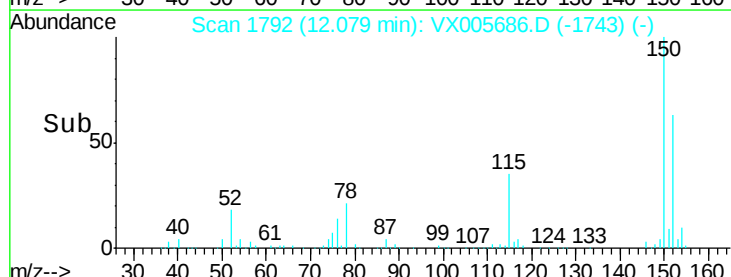
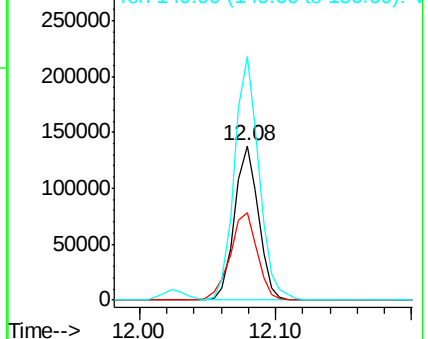
152 100

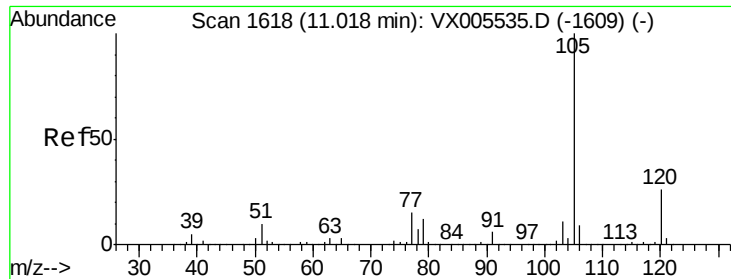
115 64.4 39.4 118.1

150 163.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.60 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

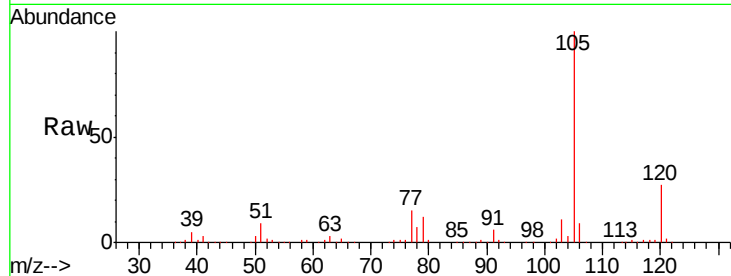
Tgt Ion: 105 Resp: 211525

Ion Ratio Lower Upper

105 100

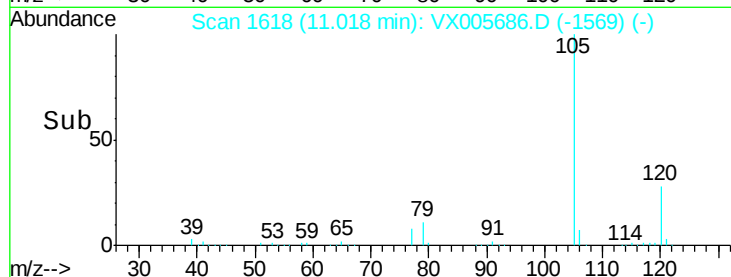
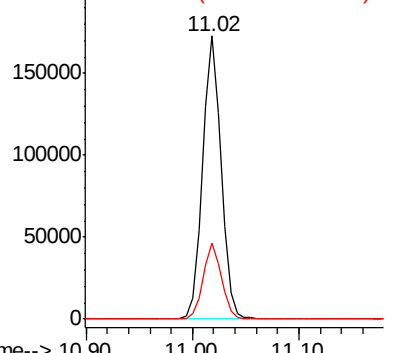
120 26.6 13.1 39.3

Manual Integrations
APPROVED



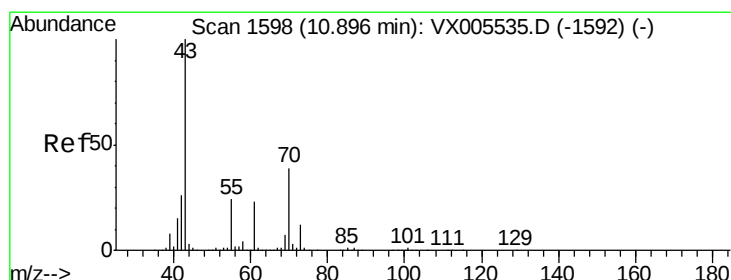
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 18.64 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion: 43 Resp: 94836

Ion Ratio Lower Upper

43 100

70 40.8 31.6 47.4

55 25.1 19.7 29.5

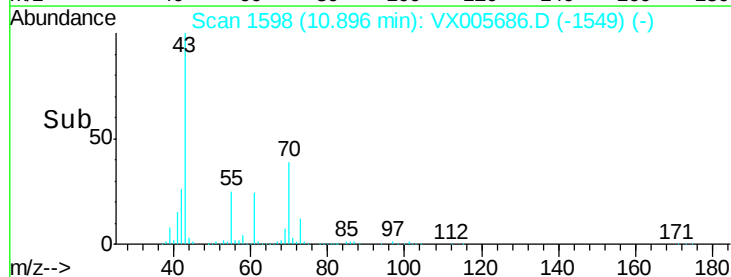
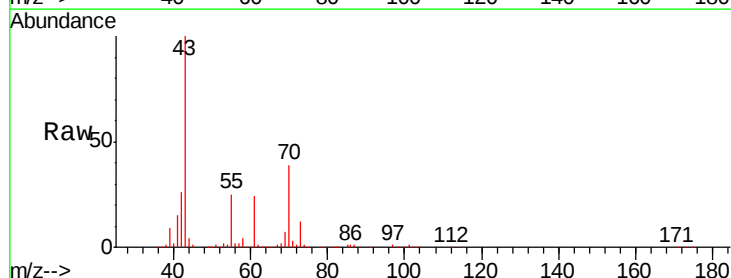
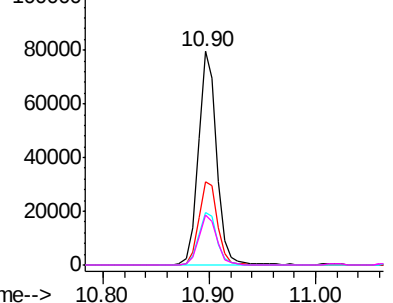
61 23.3 18.3 27.5

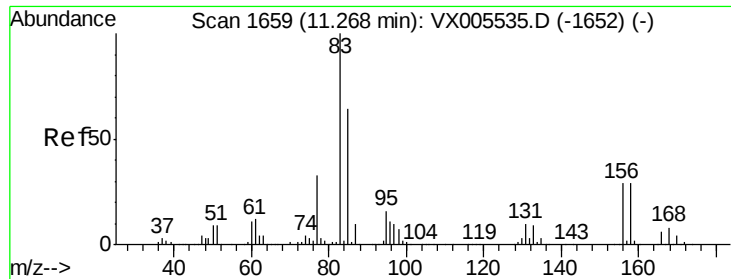
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



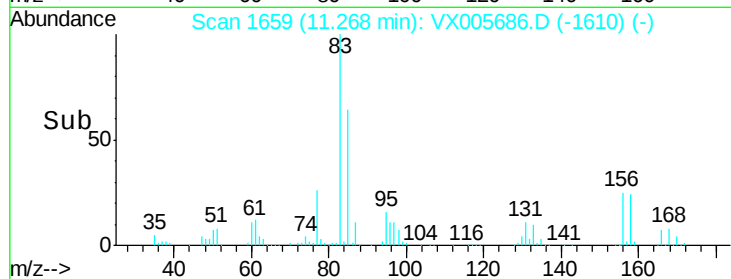
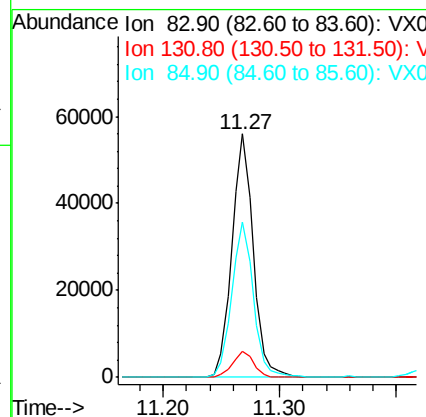
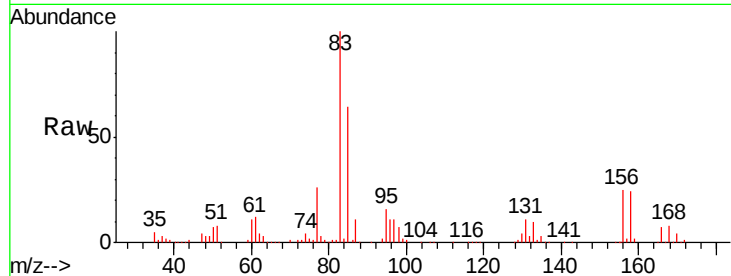


#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.80 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

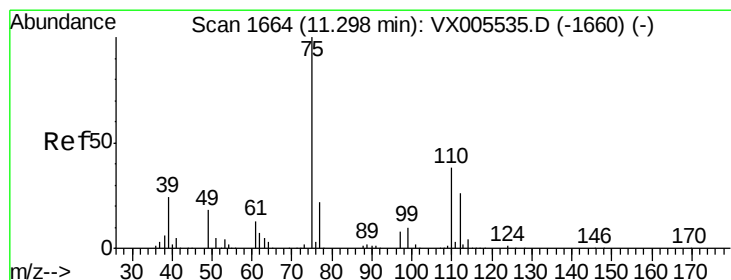
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.7	32.0	96.2

Manual Integrations
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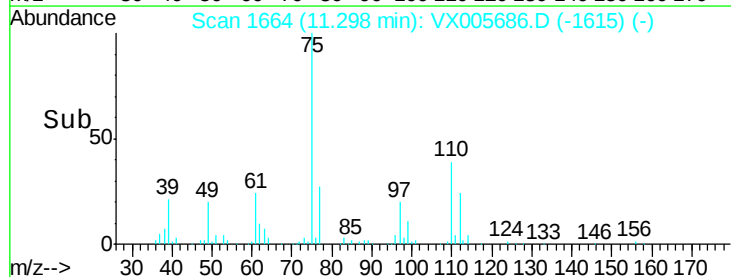
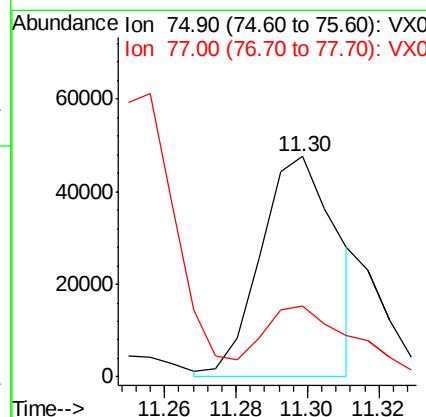
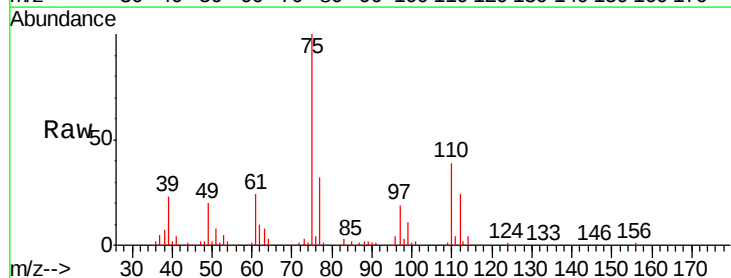
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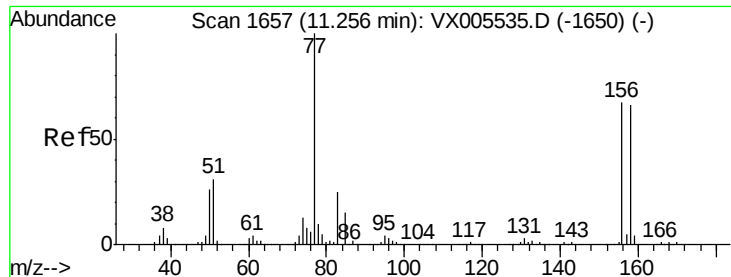
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#76
 1,2,3-Trichloropropane
 Concen: 19.71 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.6	20.5	61.6





#77

Bromobenzene

Concen: 20.09 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

Tgt Ion:156 Resp: 57488

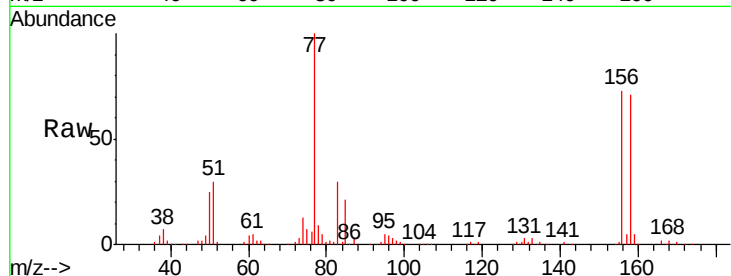
Ion Ratio Lower Upper

156 100

77 143.6 74.8 224.4

158 97.4 49.1 147.3

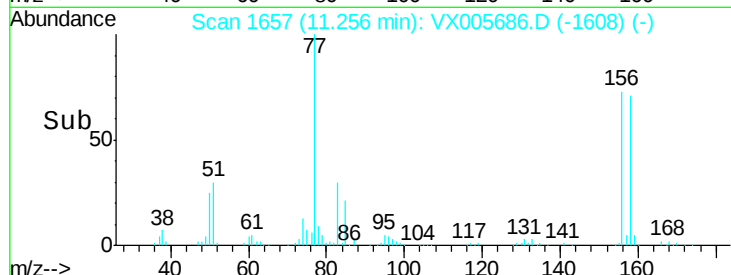
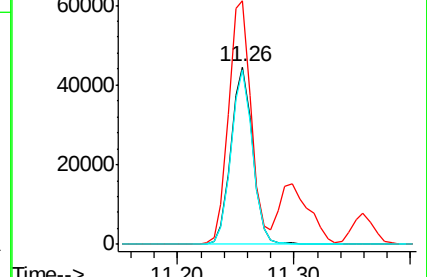
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Abundance Ion 155.80 (155.50 to 156.50): V

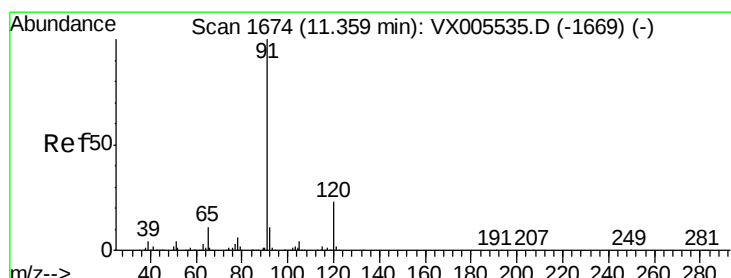
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 20.65 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005686.D

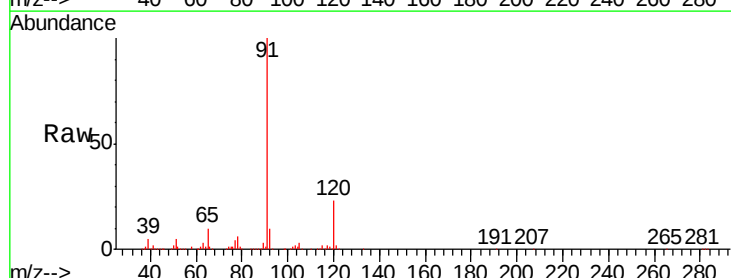
Acq: 30 Oct 2018 12:47

Tgt Ion: 91 Resp: 242357

Ion Ratio Lower Upper

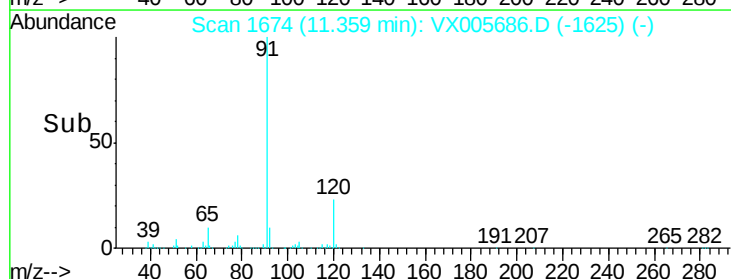
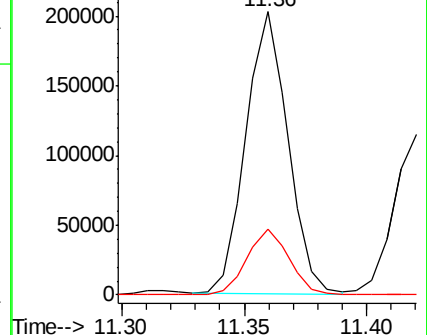
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



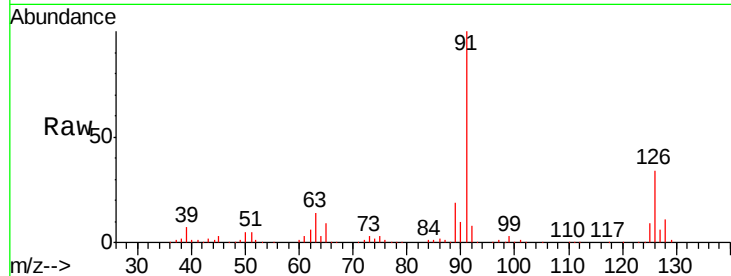


#79
2-Chlorotoluene
Concen: 19.89 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

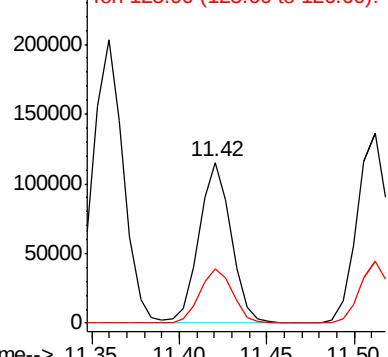
Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

Tgt Ion: 91 Resp: 144753
Ion Ratio Lower Upper
91 100
126 35.1 17.3 52.0

Manual Integrations
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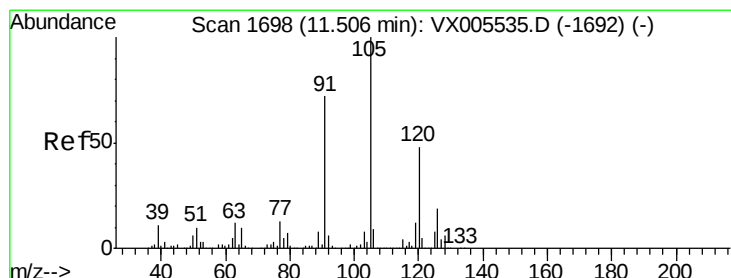
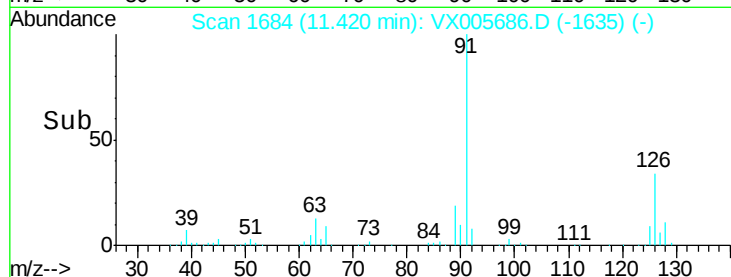


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V



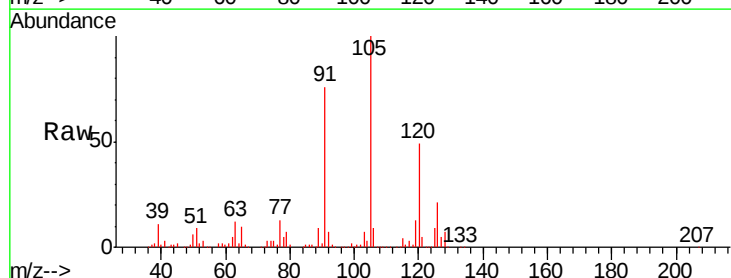
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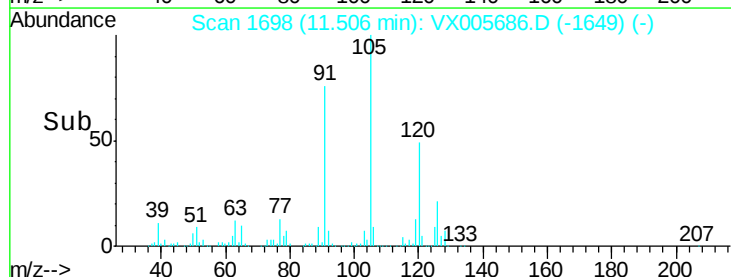
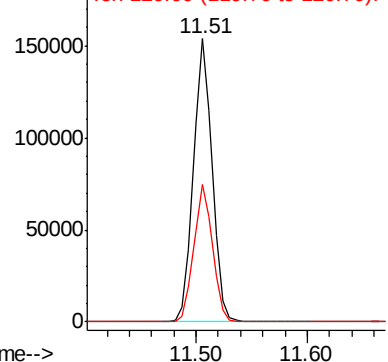


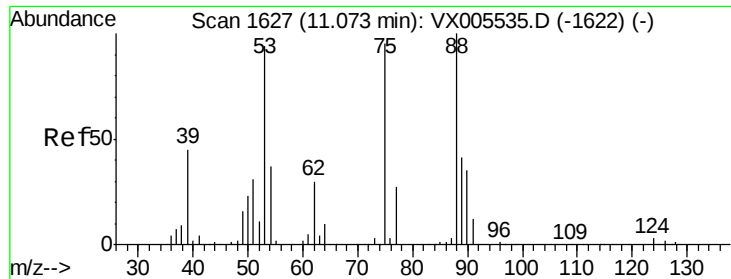
#80
1,3,5-Trimethylbenzene
Concen: 20.35 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 105 Resp: 178757
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.15 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

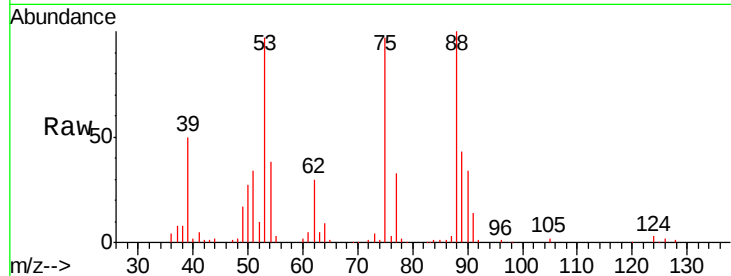
Tgt Ion: 75 Resp: 20857
Ion Ratio Lower Upper

75 100

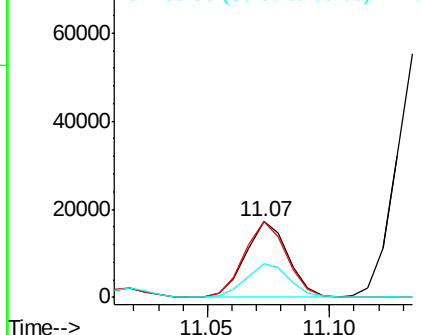
53 101.6 80.2 120.2

89 46.5 39.8 59.8

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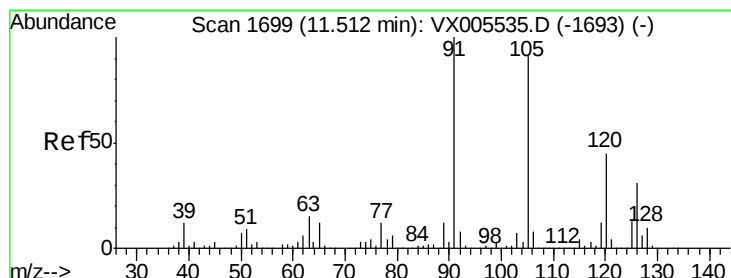
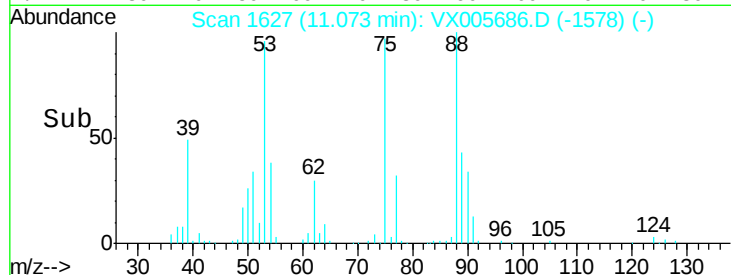


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



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#82

4-Chlorotoluene

Concen: 19.96 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

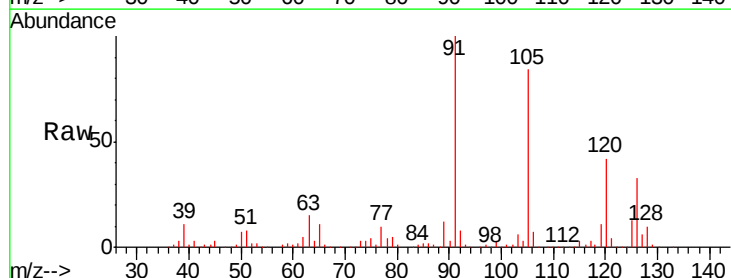
Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

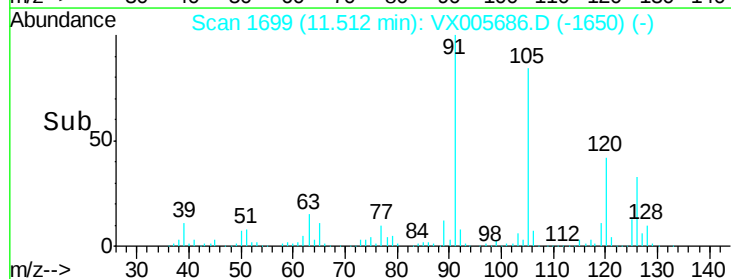
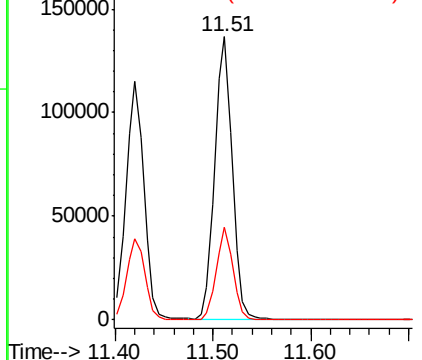
Tgt Ion: 91 Resp: 171331
Ion Ratio Lower Upper

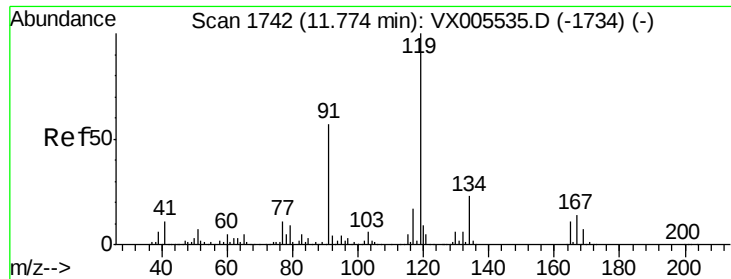
91 100

126 31.0 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V



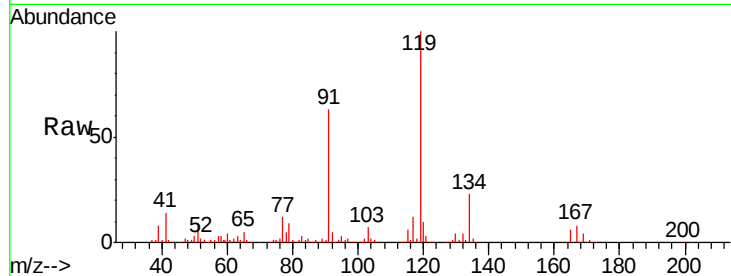


#83
 tert-Butylbenzene
 Concen: 19.95 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

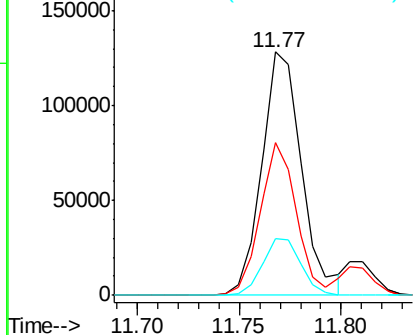
Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	174642		
91	56.6	28.5	85.5	
134	22.5	11.3	33.8	

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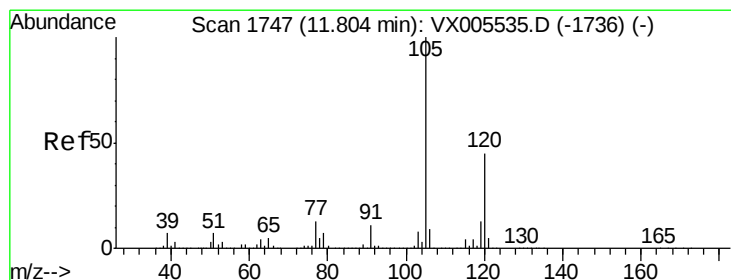
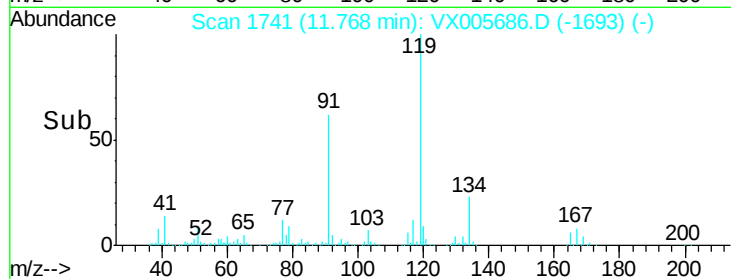


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V



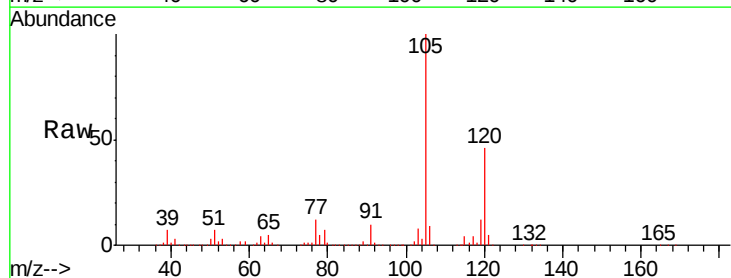
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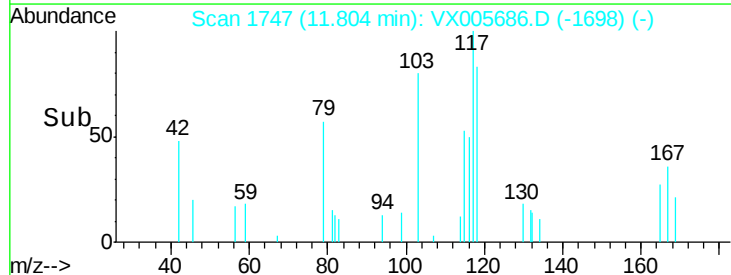
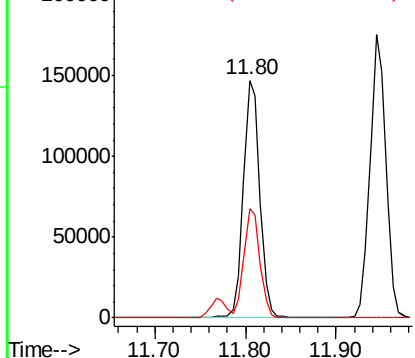


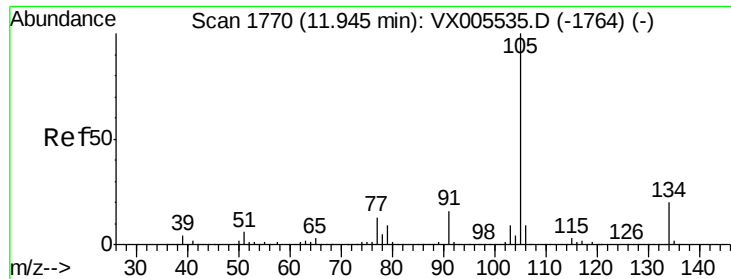
#84
 1,2,4-Trimethylbenzene
 Concen: 20.71 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184349		
120	44.9	22.4	67.0	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



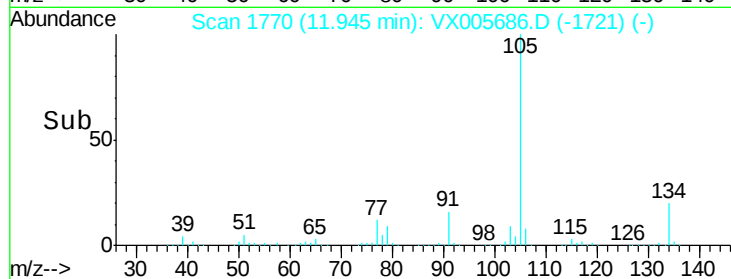
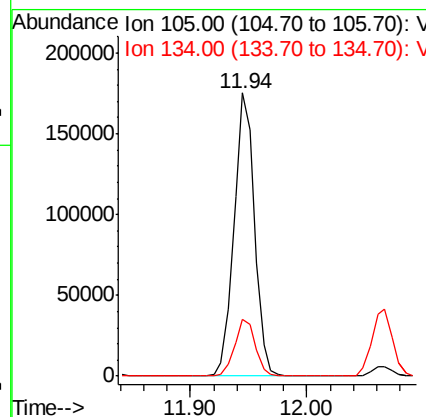
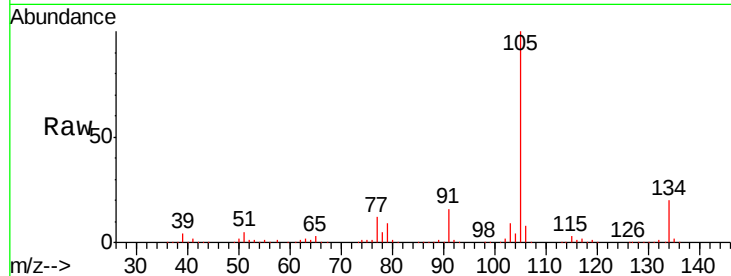


#85
 sec-Butylbenzene
 Concen: 20.52 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

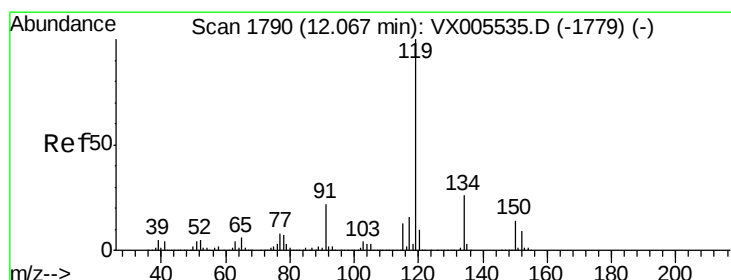
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

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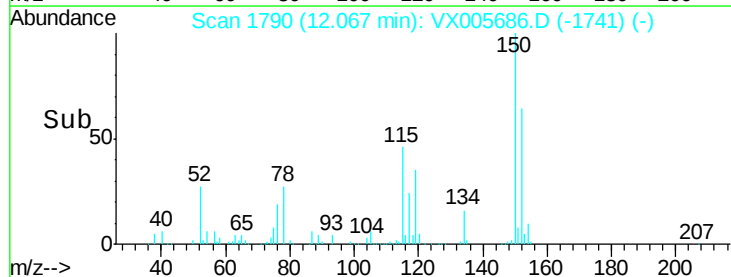
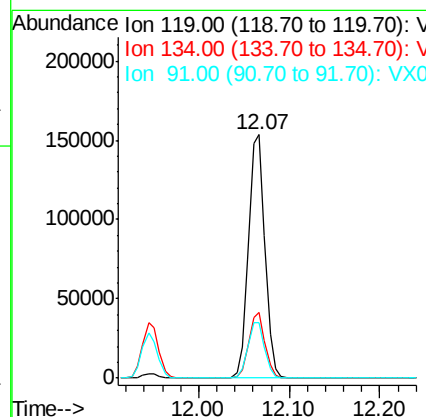
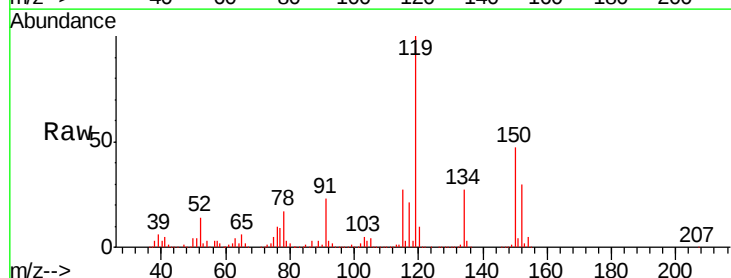
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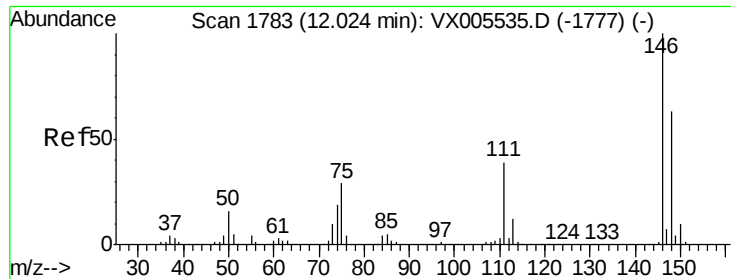
10/31/2018 11:07:07 AM



#86
 p-Isopropyltoluene
 Concen: 20.60 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	39.0
91	23.6	11.4	34.2



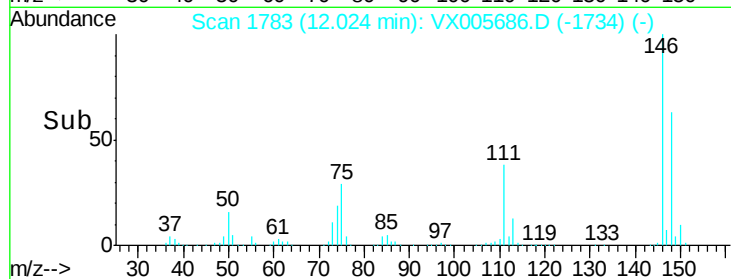
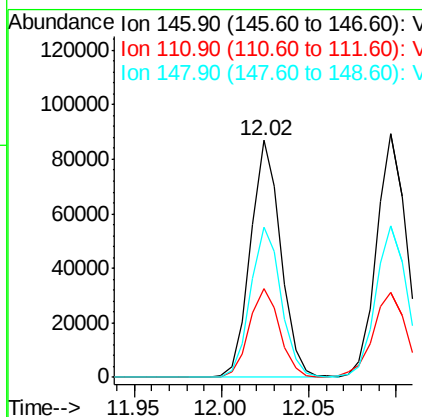
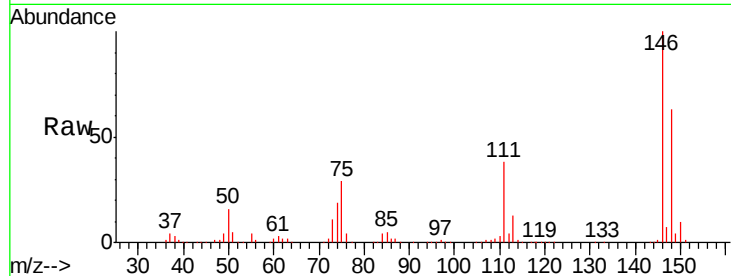


#87
 1,3-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

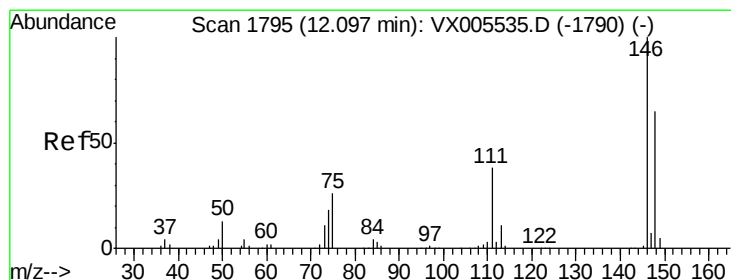
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.0	57.0
148	64.4	31.9	95.9

Manual Integrations
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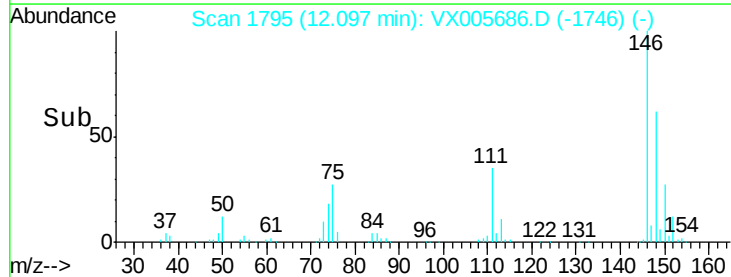
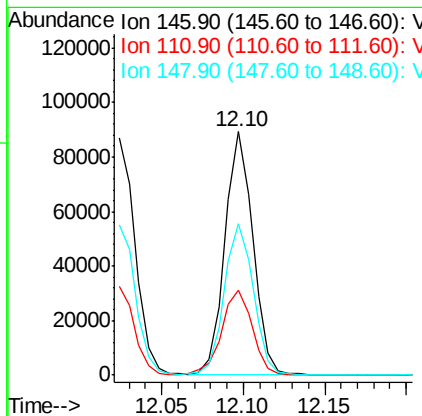
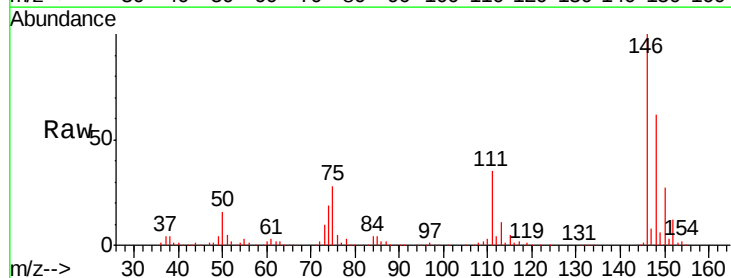
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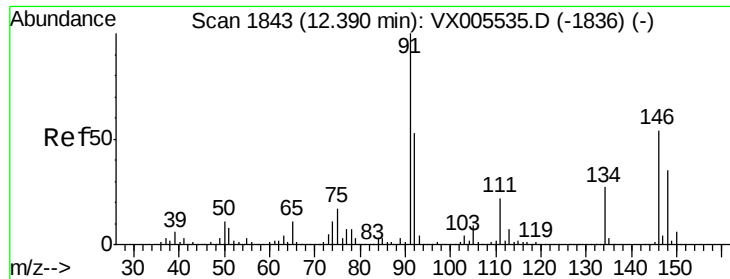
10/31/2018 11:07:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.03 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.7	32.1	96.3



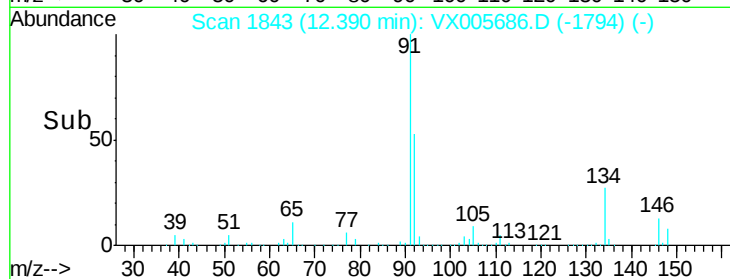
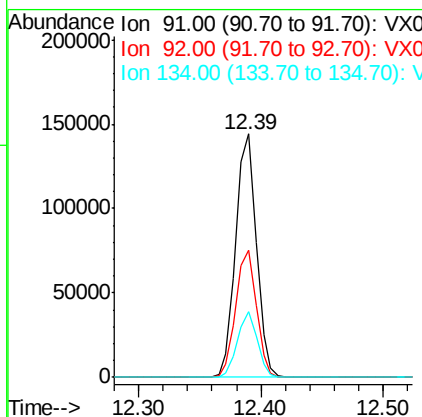
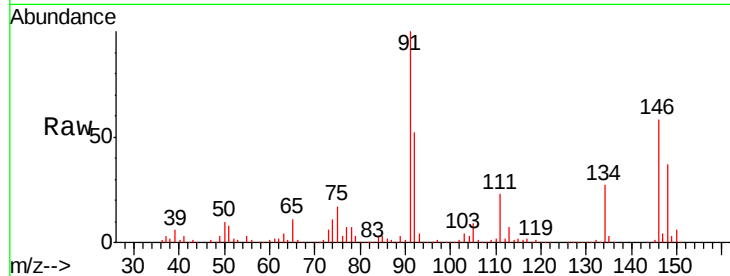


#89
n-Butylbenzene
Concen: 19.93 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

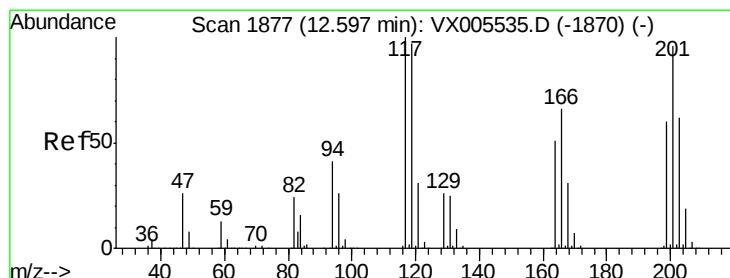
Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	25.8	13.1	39.3

Manual Integrations
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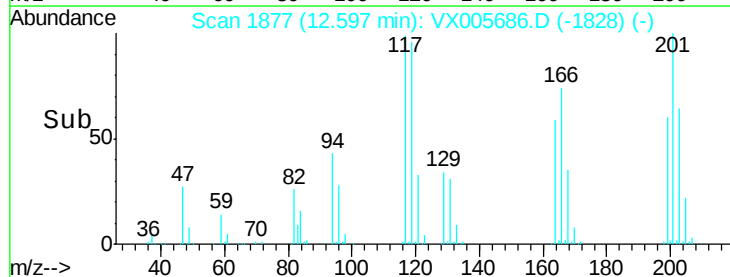
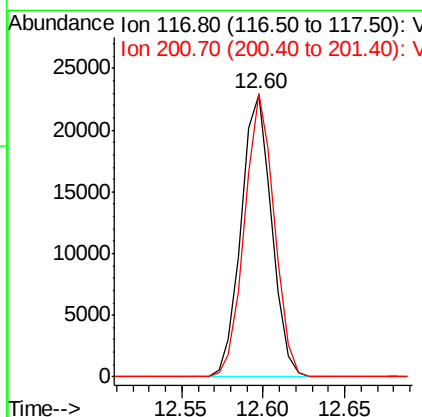
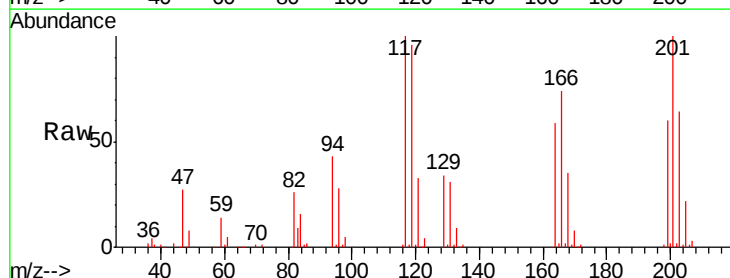
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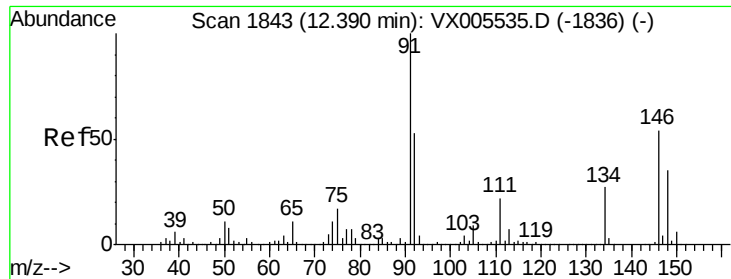
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#90
Hexachloroethane
Concen: 18.54 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	47.9	143.6



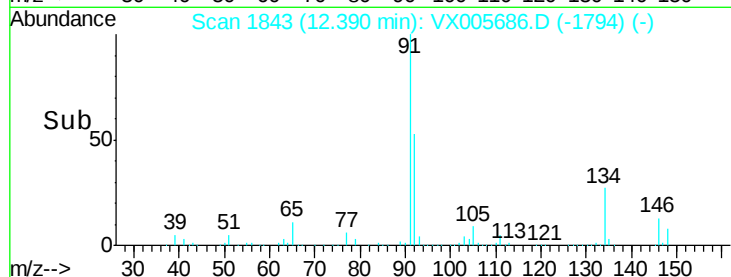
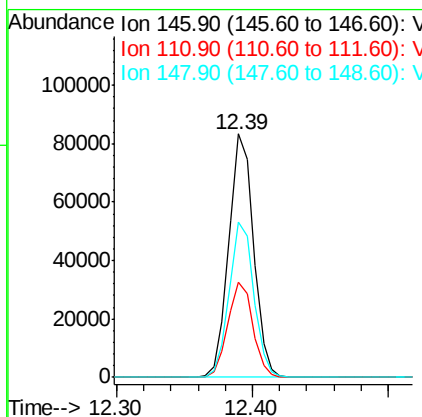
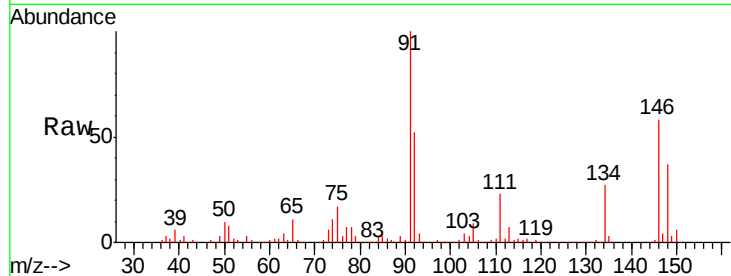


#91
 1,2-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

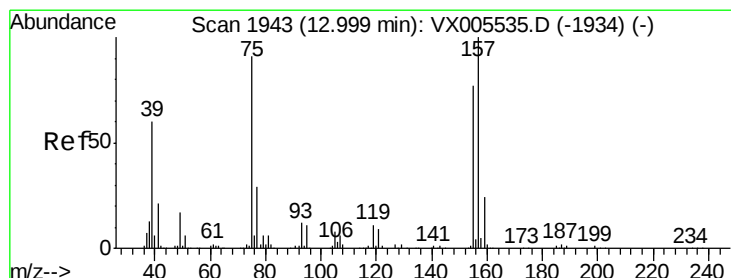
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.5	32.2	96.6

Manual Integrations
 APPROVED



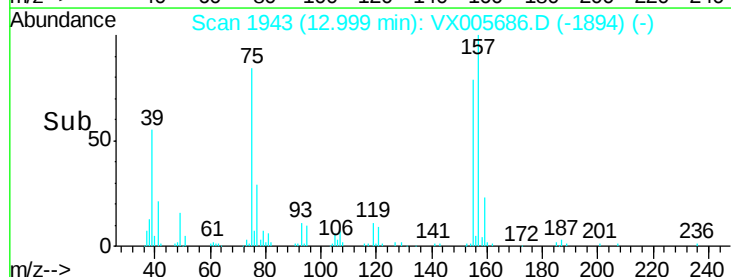
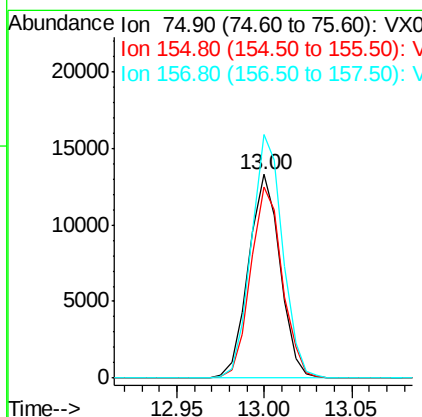
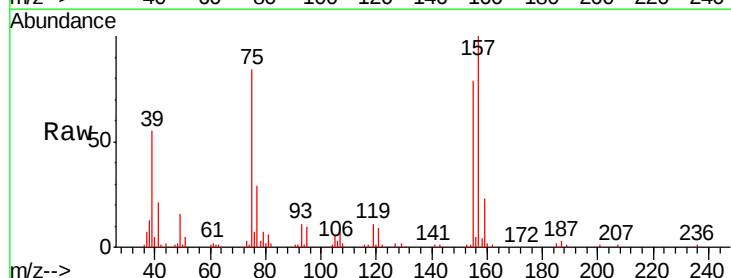
MMDadoda

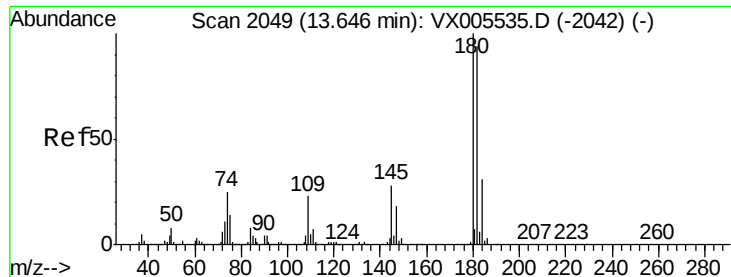
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.31 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	45.4	136.1
157	118.3	57.4	172.0



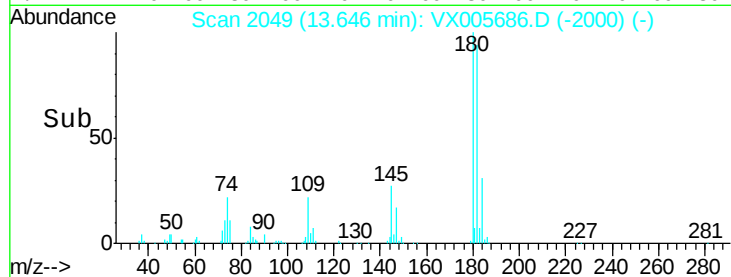
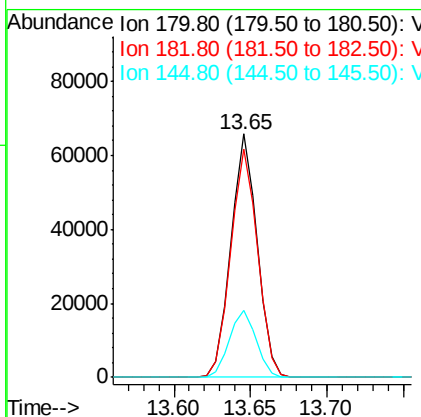
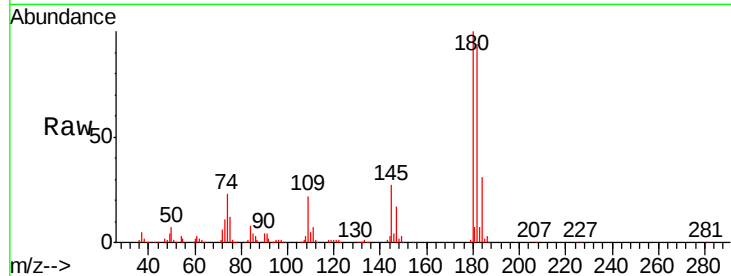


#93
 1,2,4-Trichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

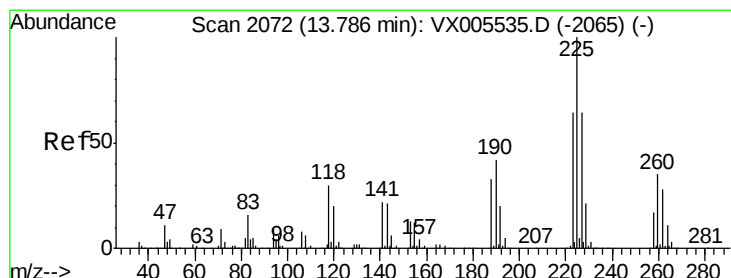
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78211		
182	95.6	47.6	142.8	
145	27.8	14.1	42.2	

Manual Integrations
 APPROVED



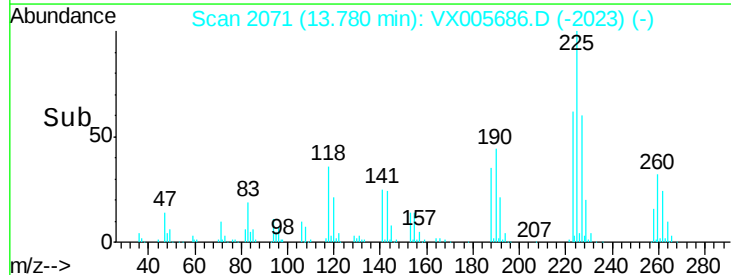
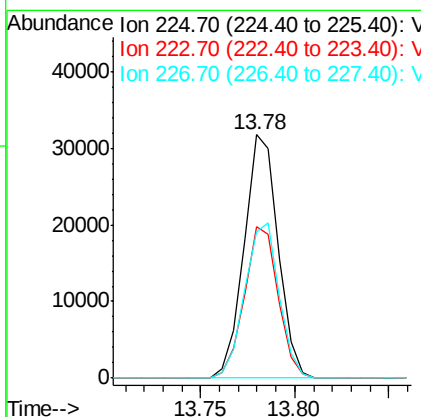
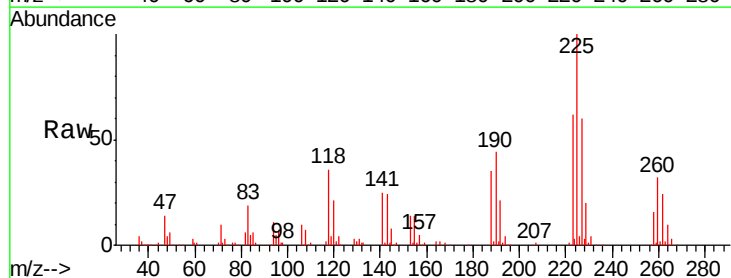
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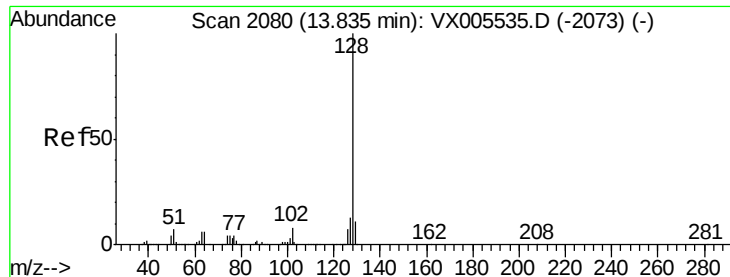
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#94
 Hexachlorobutadiene
 Concen: 19.44 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39762		
223	61.7	31.7	95.1	
227	64.2	32.3	96.9	





#95

Naphthalene

Concen: 20.08 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

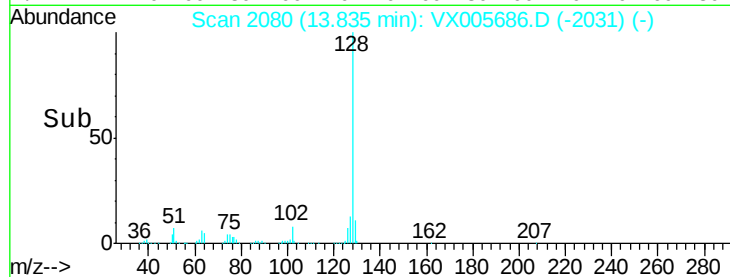
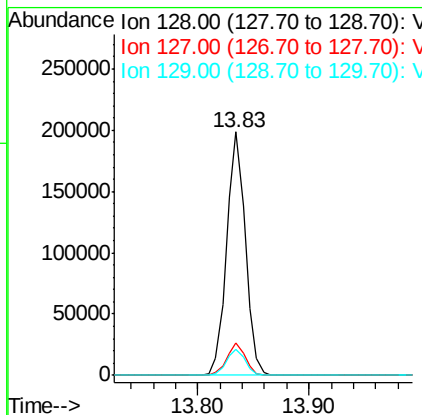
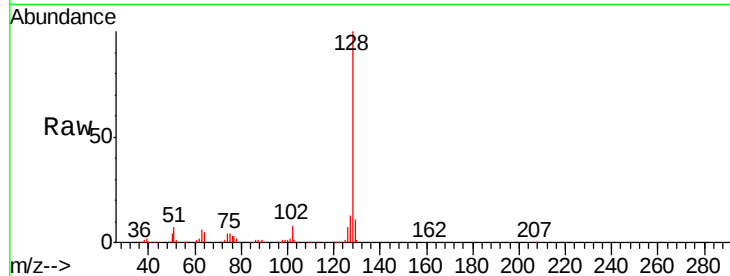
MSVOA_X

ClientSampled :

VX1030WBS01

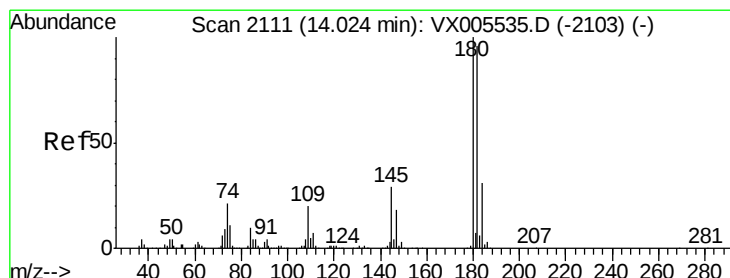
Tgt Ion:	128	Resp:	230360
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED



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#96

1,2,3-Trichlorobenzene

Concen: 20.10 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion:	180	Resp:	80389
Ion Ratio		Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.0	15.1	45.3

