

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102918\
 Data File : VX005678.D
 Acq On : 30 Oct 2018 00:03
 Operator : JC/MD
 Sample : VX1029WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 11:11:23 AM

Quant Time: Oct 30 05:02:31 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	246588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	133330	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	5.51	113	110856	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
50) Toluene-d8	8.71	98	405370	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	11.14	95	150666	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58365	23.980	ug/l	94
3) Chloromethane	1.32	50	61026	19.688	ug/l	100
4) Vinyl Chloride	1.40	62	65271	21.416	ug/l	96
5) Bromomethane	1.64	94	35758	18.855	ug/l	96
6) Chloroethane	1.72	64	37444	19.231	ug/l	96
7) Trichlorofluoromethane	1.93	101	83243	19.656	ug/l	97
8) Diethyl Ether	2.19	74	33977	20.104	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48116	19.802	ug/l	99
10) Methyl Iodide	2.51	142	43034	18.759	ug/l	97
11) Tert butyl alcohol	3.06	59	84879	104.788	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45414	19.620	ug/l	92
13) Acrolein	2.29	56	39254	95.003	ug/l	97
14) Allyl chloride	2.72	41	99949	19.348	ug/l	96
15) Acrylonitrile	3.15	53	175579	96.667	ug/l	99
16) Acetone	2.45	43	155447	97.731	ug/l	95
17) Carbon Disulfide	2.57	76	132673	18.803	ug/l	99
18) Methyl Acetate	2.78	43	86743	21.235	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	167422	20.277	ug/l	99
20) Methylene Chloride	2.85	84	52449	19.689	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	48081	19.024	ug/l	96
22) Diisopropyl ether	3.87	45	173273	19.207	ug/l	89
23) Vinyl Acetate	3.82	43	777983	97.919	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96251	19.624	ug/l	98
25) 2-Butanone	4.70	43	238306	98.388	ug/l	97
26) 2,2-Dichloropropane	4.59	77	59678	15.760	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53258	19.547	ug/l	96
28) Bromochloromethane	5.02	49	44187	18.627	ug/l	97
29) Tetrahydrofuran	5.16	42	156913	99.548	ug/l	100
30) Chloroform	5.21	83	87423	19.055	ug/l	100
31) Cyclohexane	5.58	56	80312	19.790	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	76059	18.783	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65953	19.170	ug/l	96
37) Ethyl Acetate	4.85	43	86354	19.669	ug/l	99
38) Carbon Tetrachloride	5.79	117	66117	18.246	ug/l	91

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Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 11:11:23 AM

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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)
39) Methylcyclohexane	7.46	83	71885	18.921	ug/l #	93
40) Benzene	6.14	78	190084	19.273	ug/l	98
41) Methacrylonitrile	5.06	41	47338	19.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	69879	18.651	ug/l	99
43) Isopropyl Acetate	6.46	43	123069	18.706	ug/l	95
44) Trichloroethene	7.21	130	51842	19.295	ug/l	99
45) 1,2-Dichloropropane	7.52	63	51684	19.492	ug/l	100
46) Dibromomethane	7.66	93	32415	18.928	ug/l	98
47) Bromodichloromethane	7.90	83	60942	18.335	ug/l	98
48) Methyl methacrylate	7.77	41	61124	19.071	ug/l	98
49) 1,4-Dioxane	7.75	88	27828	397.308	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	427661	96.722	ug/l	99
52) Toluene	8.79	92	117678	19.633	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	65395	18.204	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	72994	18.873	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48178	19.064	ug/l	98
56) Ethyl methacrylate	9.18	69	73426	19.479	ug/l	98
57) 1,3-Dichloropropane	9.37	76	81559	19.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	201641	95.780	ug/l	99
59) 2-Hexanone	9.49	43	334293	95.892	ug/l	99
60) Dibromochloromethane	9.59	129	49316	18.704	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51040	19.523	ug/l	98
64) Tetrachloroethene	9.34	164	52982	19.806	ug/l	98
65) Chlorobenzene	10.14	112	132015	19.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	47348	18.923	ug/l	98
67) Ethyl Benzene	10.25	91	221570	19.625	ug/l	100
68) m/p-Xylenes	10.36	106	172035	39.276	ug/l	100
69) o-Xylene	10.70	106	82328	19.978	ug/l	100
70) Styrene	10.71	104	137325	19.906	ug/l	99
71) Bromoform	10.86	173	40559	18.166	ug/l #	98
73) Isopropylbenzene	11.02	105	232735	17.521	ug/l	99
74) N-amyl acetate	10.90	43	105479	16.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	80450	16.416	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75335m	16.363	ug/l	
77) Bromobenzene	11.26	156	64407	17.398	ug/l	95
78) n-propylbenzene	11.36	91	262425	17.277	ug/l	100
79) 2-Chlorotoluene	11.42	91	163902	17.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	191946	16.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20939	14.860	ug/l	98
82) 4-Chlorotoluene	11.51	91	186001	16.750	ug/l	100
83) tert-Butylbenzene	11.77	119	212762	18.784	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	231060	20.063	ug/l	99
85) sec-Butylbenzene	11.94	105	276411	20.451	ug/l	99
86) p-Isopropyltoluene	12.07	119	246936	20.438	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131884	18.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	135807	18.690	ug/l	100
89) n-Butylbenzene	12.39	91	215544	19.761	ug/l	98
90) Hexachloroethane	12.60	117	37193	17.848	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	135099	19.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18340	15.478	ug/l	95

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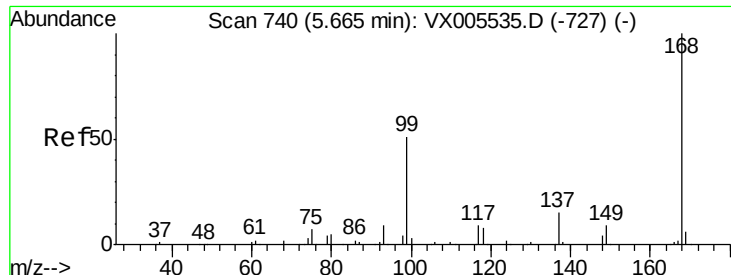
Manual Integrations
APPROVED

MMDadoda
10/30/2018 11:11:23 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80726	15.812	ug/l	98
94) Hexachlorobutadiene	13.79	225	39373	14.881	ug/l	99
95) Naphthalene	13.83	128	250193	16.859	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	83954	16.222	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:168 Resp: 246588

Ion Ratio Lower Upper

168 100

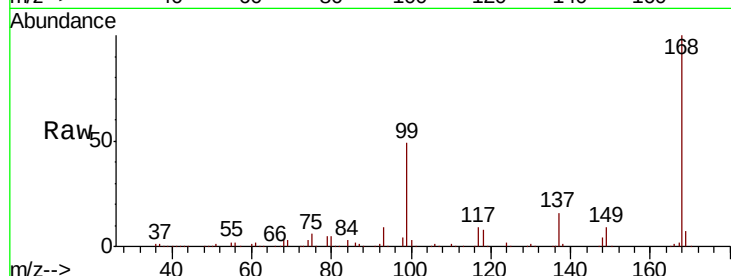
99 48.6 40.7 61.1

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

80000

60000

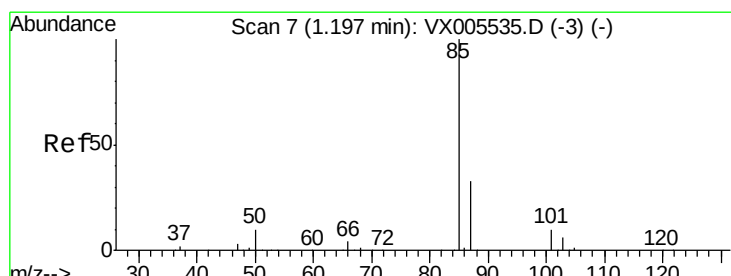
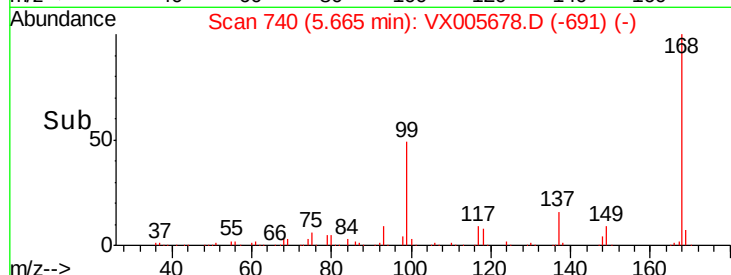
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.980 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005678.D

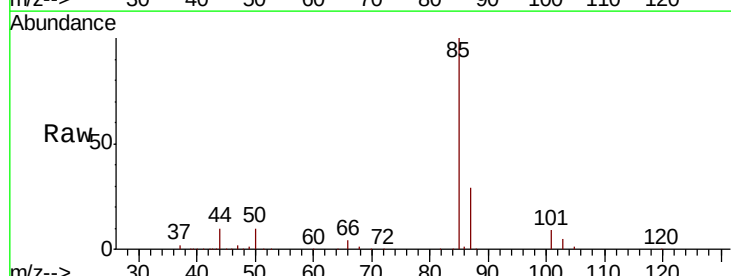
Acq: 30 Oct 2018 00:03

Tgt Ion: 85 Resp: 58365

Ion Ratio Lower Upper

85 100

87 29.1 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

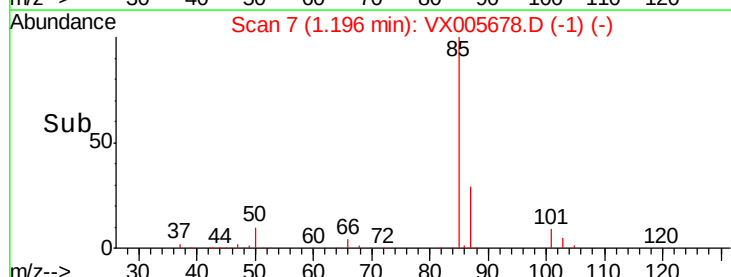
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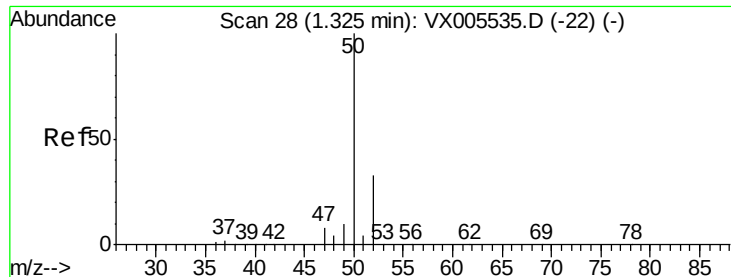
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.688 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 50 Resp: 61026

Ion Ratio Lower Upper

50 100

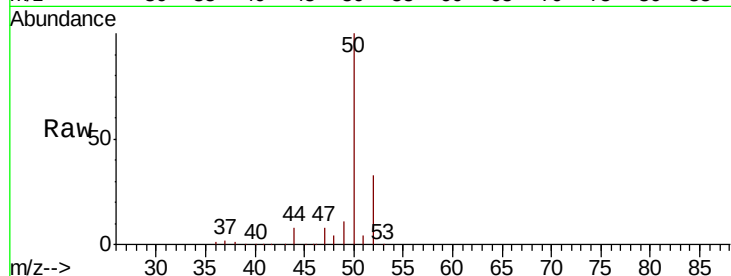
52 32.6 26.2 39.2

Manual Integrations

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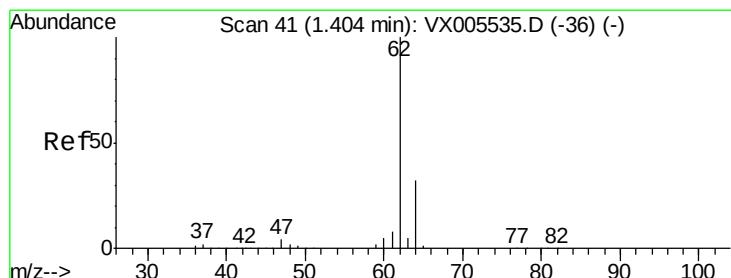
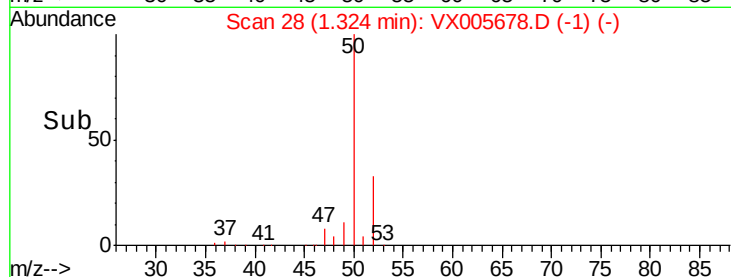
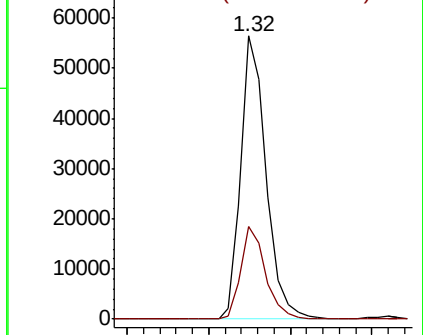
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.416 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005678.D

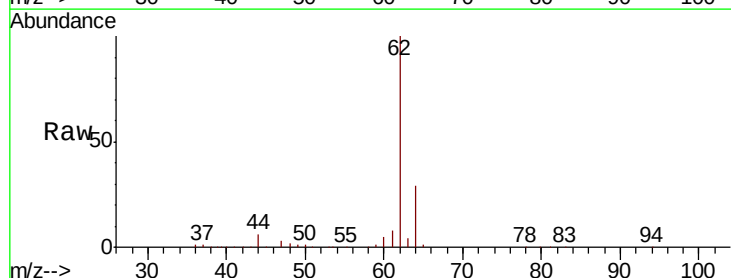
Acq: 30 Oct 2018 00:03

Tgt Ion: 62 Resp: 65271

Ion Ratio Lower Upper

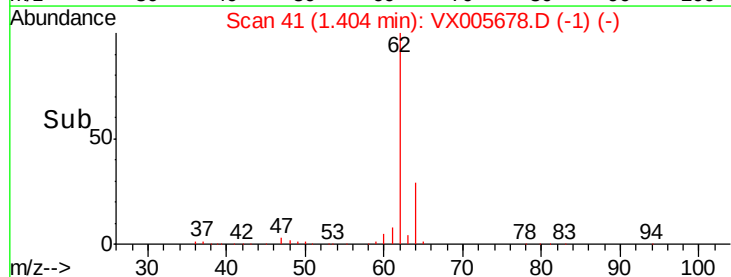
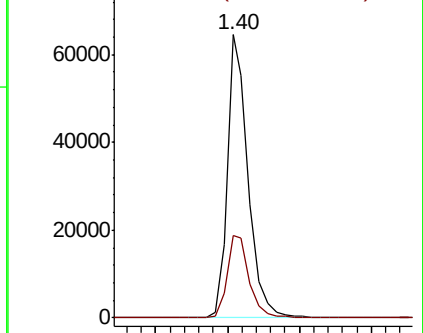
62 100

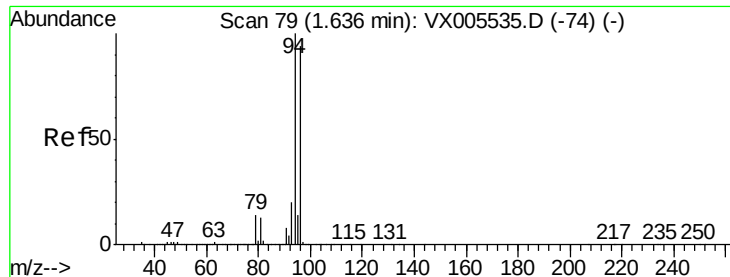
64 29.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.855 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 94 Resp: 35758

Ion Ratio Lower Upper

94 100

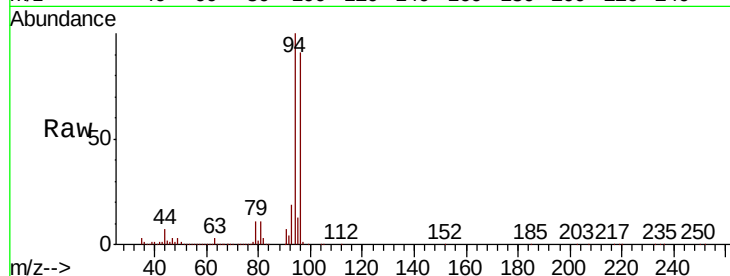
96 90.4 75.2 112.8

Manual Integrations

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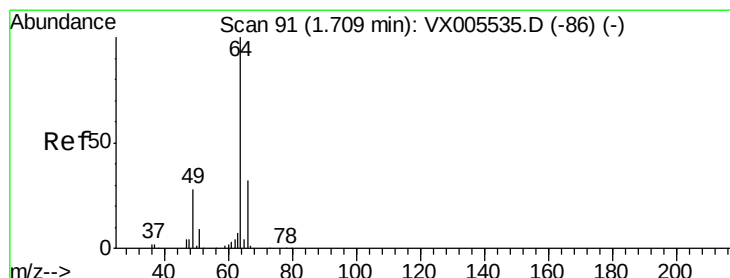
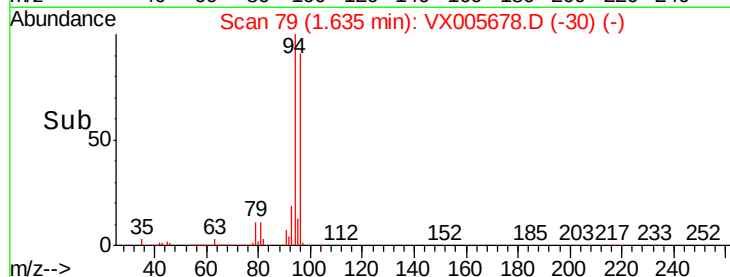
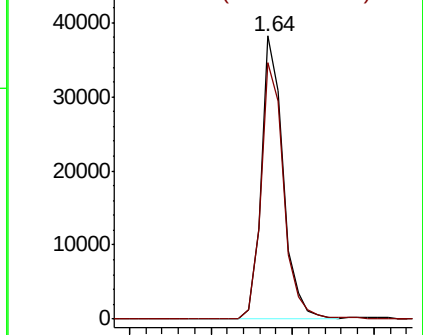
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.231 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005678.D

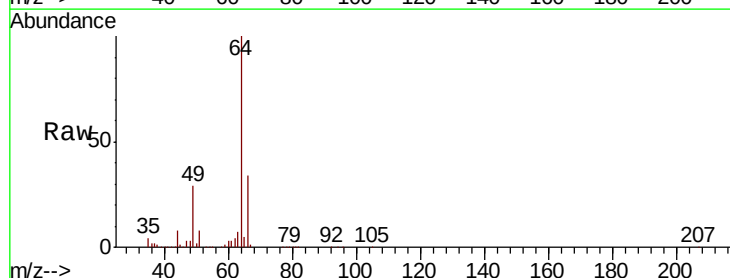
Acq: 30 Oct 2018 00:03

Tgt Ion: 64 Resp: 37444

Ion Ratio Lower Upper

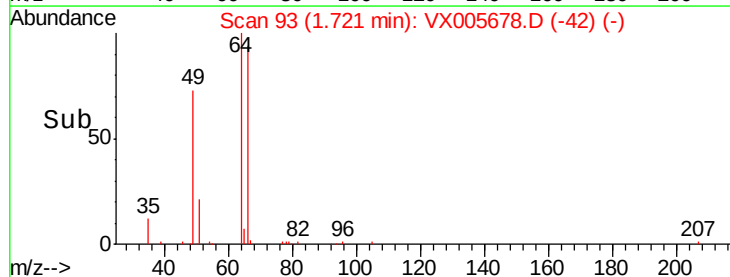
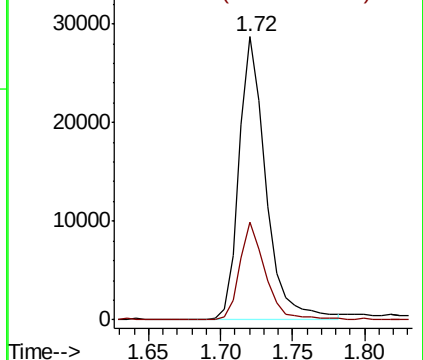
64 100

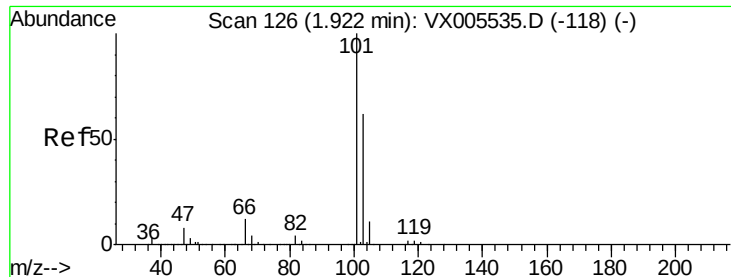
66 34.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

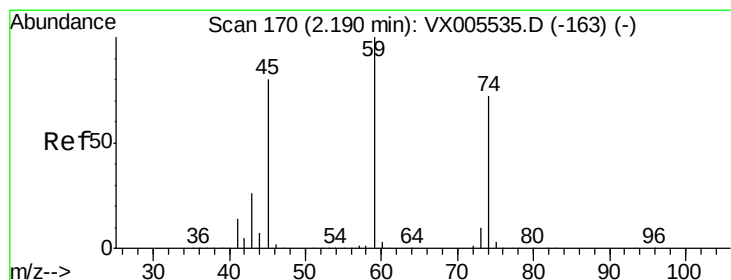
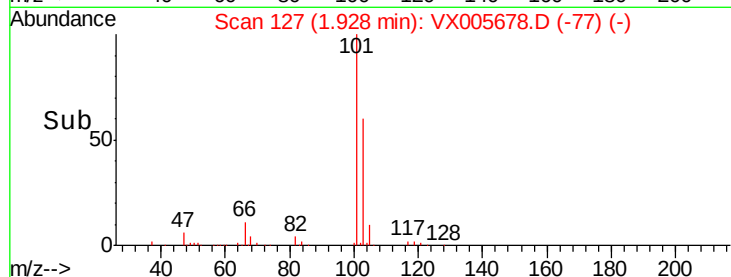
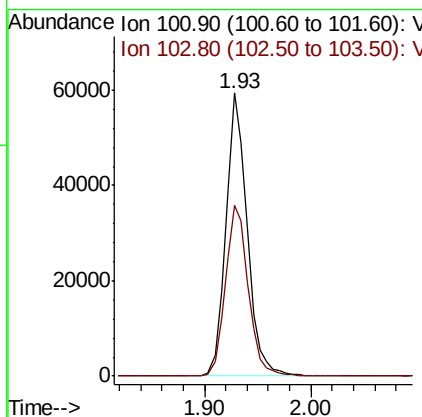
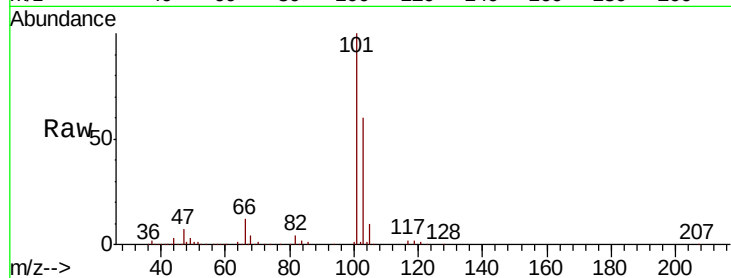
Trichlorofluoromethane
 Concen: 19.656 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
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 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.0	75.0

Manual Integrations
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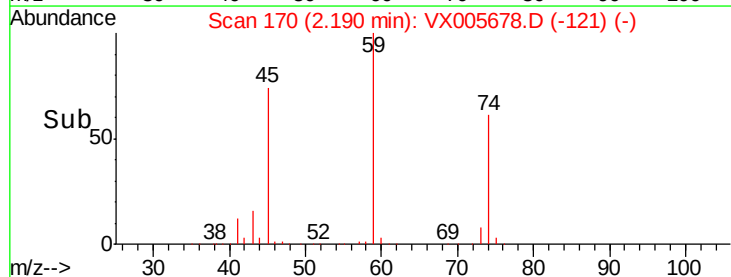
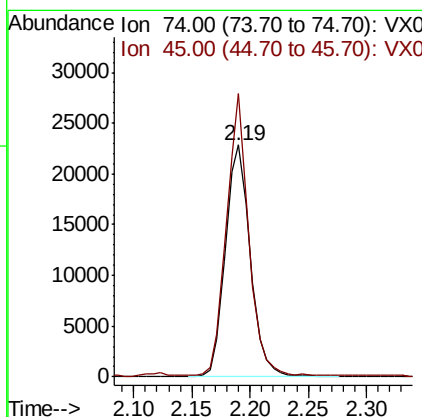
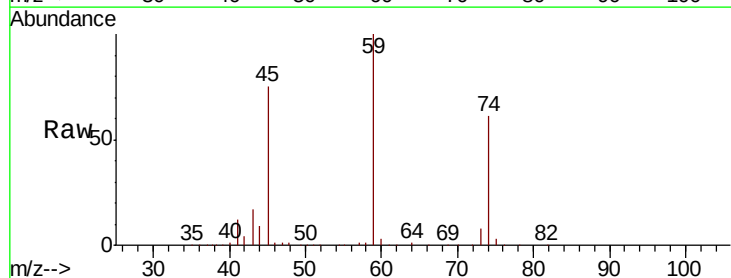
MMDadoda
 10/30/2018 11:11:23 AM

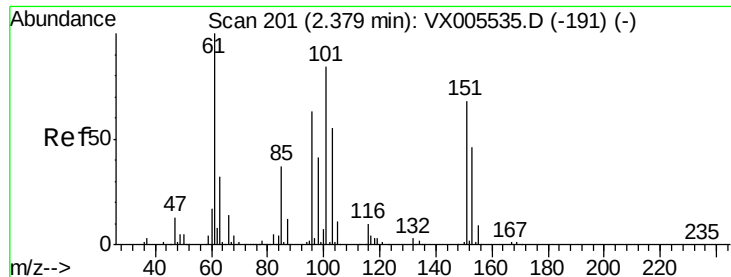


#8

Diethyl Ether
 Concen: 20.104 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.802 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

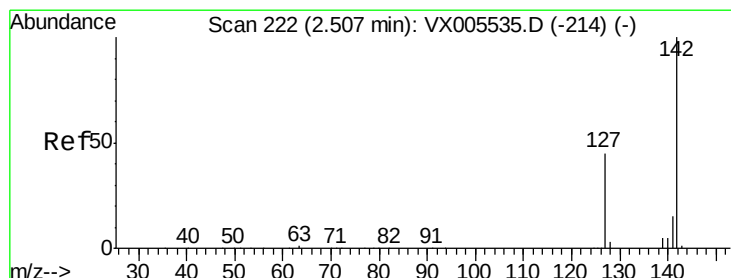
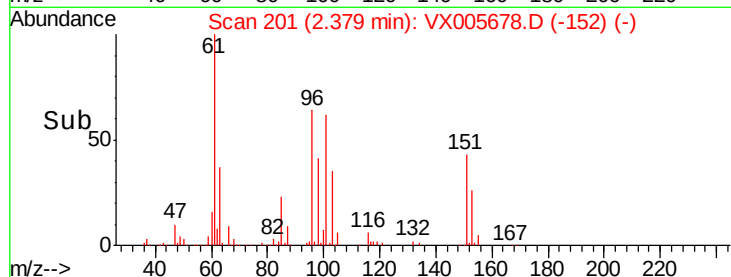
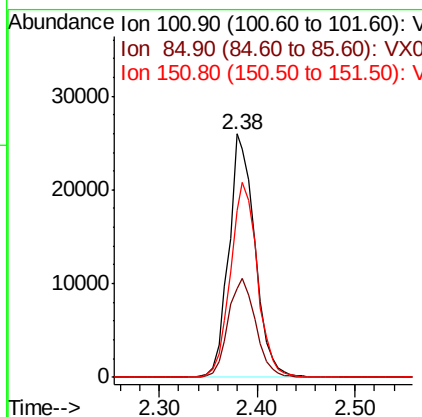
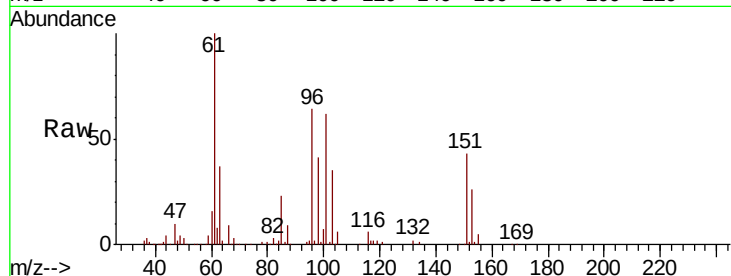
ClientSampleId :

VX1029WBS02

Tot Ion:	101	Resp:	48116
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.0	52.4
151	82.3	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.759 ug/l

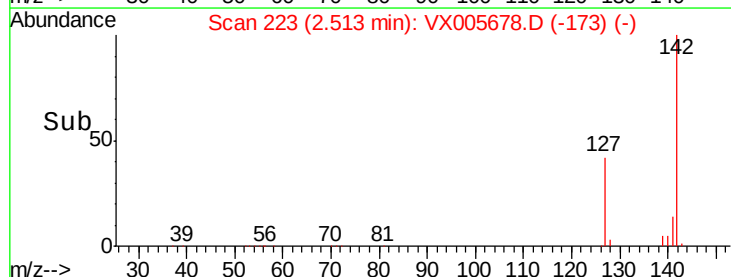
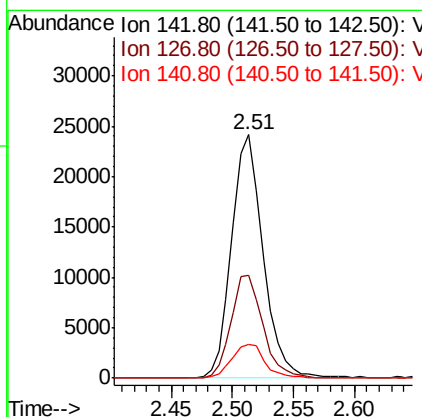
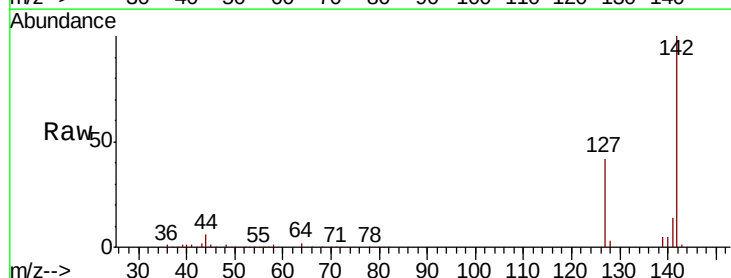
RT: 2.51 min Scan# 223

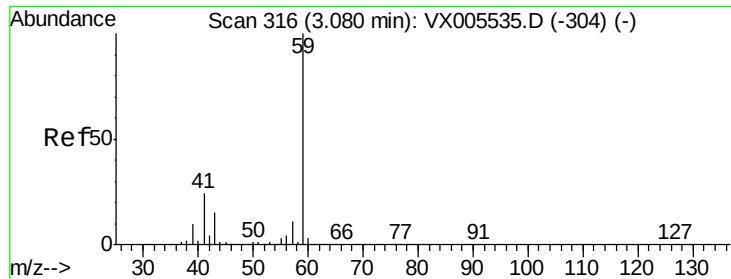
Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:	142	Resp:	43034
Ion Ratio	Lower	Upper	
142	100		
127	42.8	36.0	54.0
141	14.4	11.7	17.5





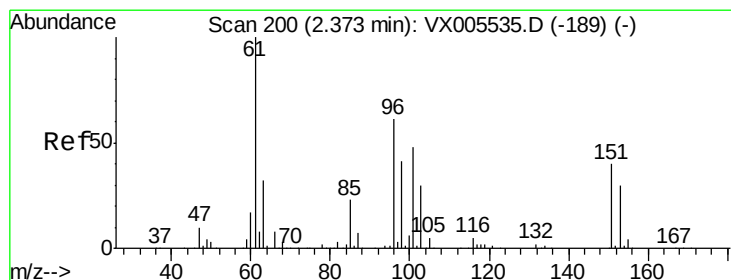
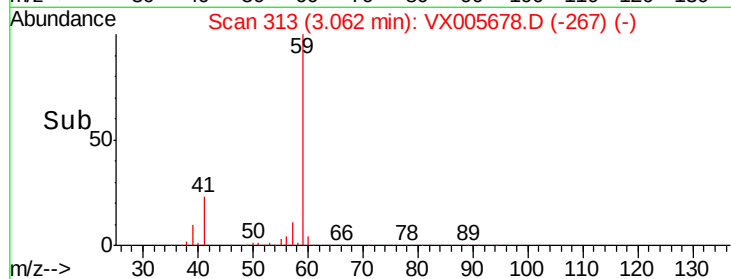
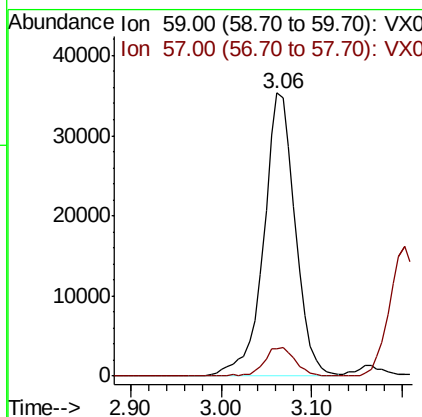
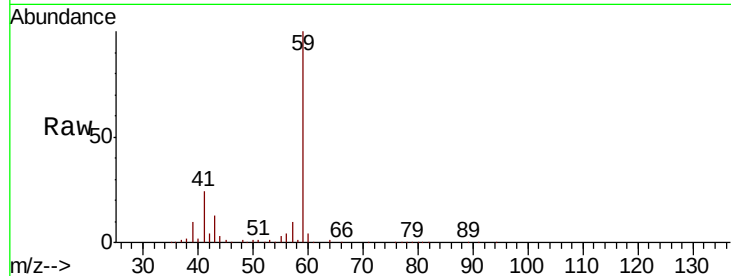
#11
Tert butyl alcohol
Concen: 104.788 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion: 59 Resp: 84879
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7

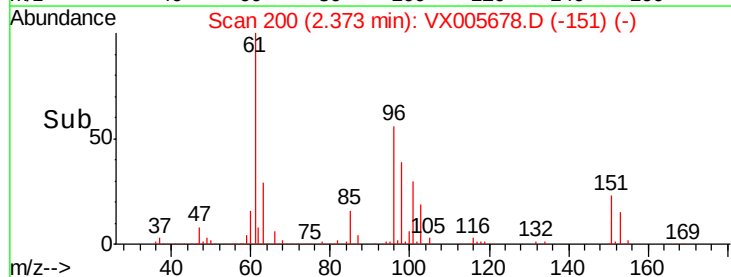
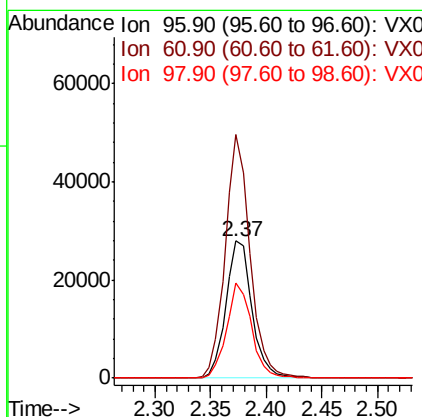
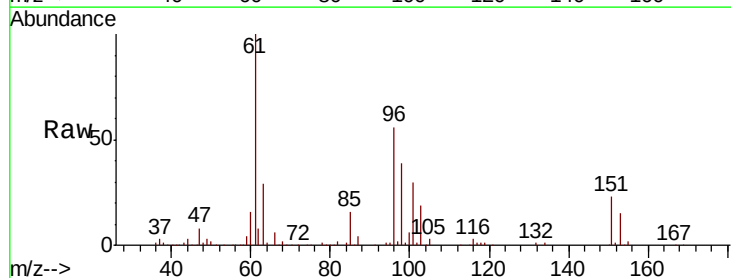
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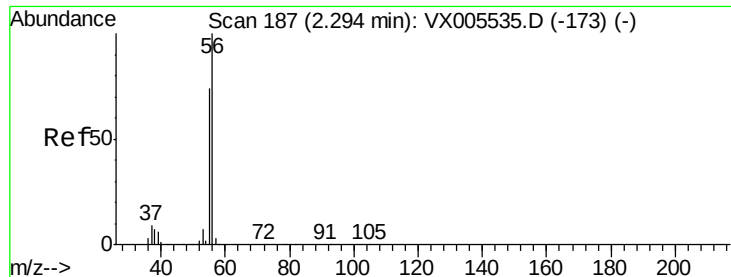
MMDadoda
10/30/2018 11:11:23 AM



#12
1,1-Dichloroethene
Concen: 19.620 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 96 Resp: 45414
Ion Ratio Lower Upper
96 100
61 177.9 131.8 197.8
98 69.7 53.4 80.2





#13

Acrolein

Concen: 95.003 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 56 Resp: 39254

Ion Ratio Lower Upper

56 100

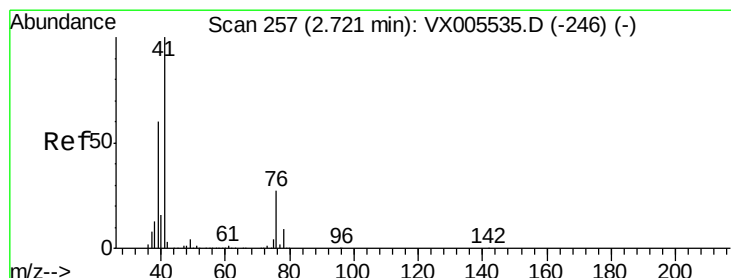
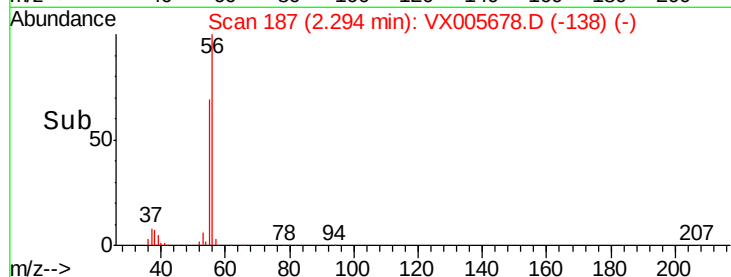
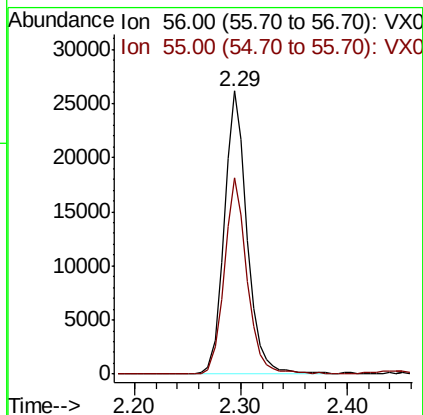
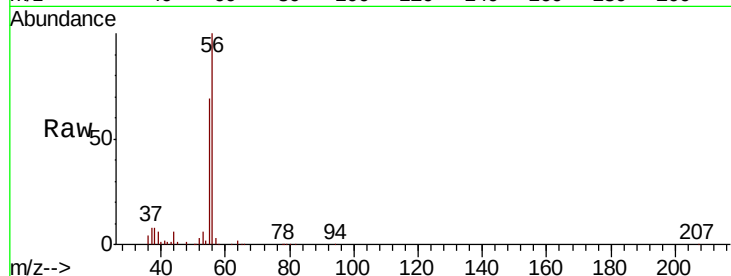
55 69.0 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.348 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

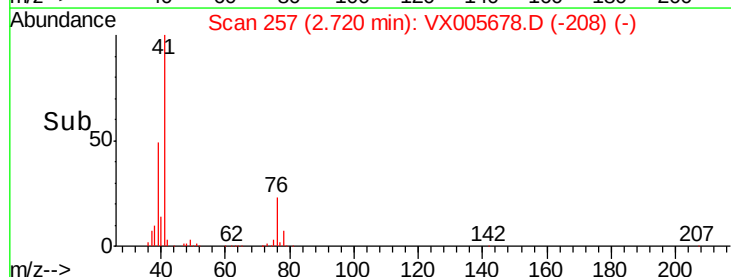
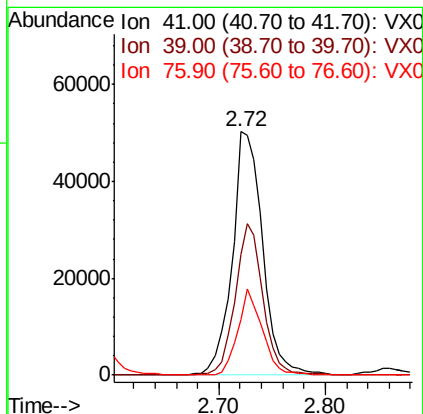
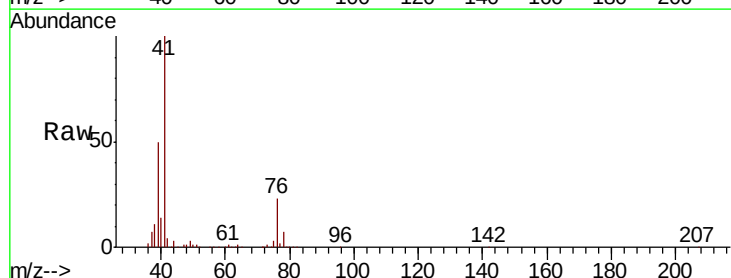
Tgt Ion: 41 Resp: 99949

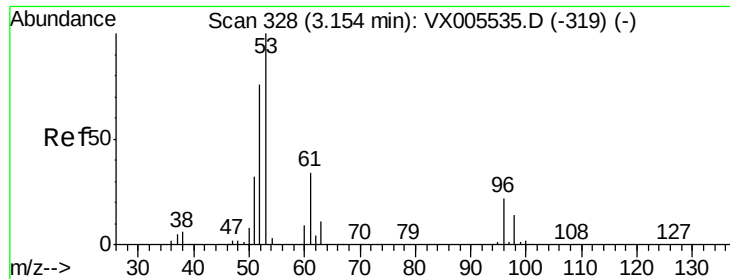
Ion Ratio Lower Upper

41 100

39 56.5 48.2 72.4

76 28.9 21.9 32.9





#15

Acrylonitrile

Concen: 96.667 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

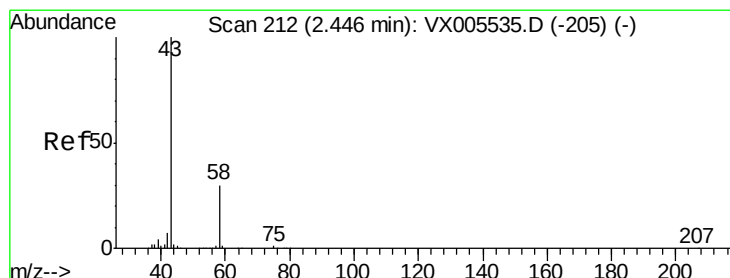
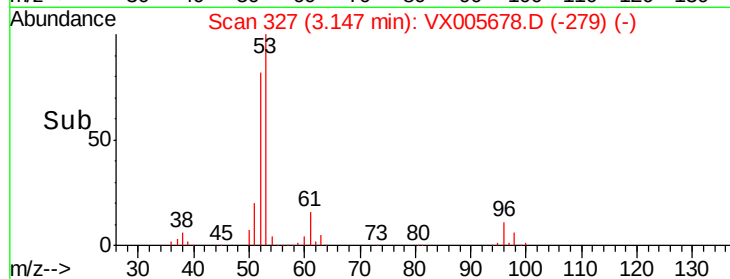
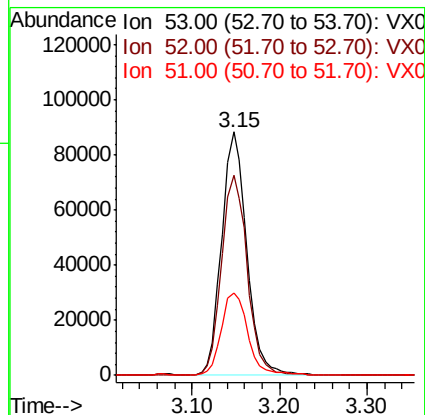
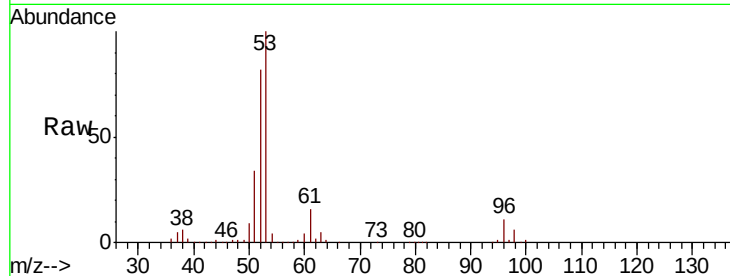
ClientSampleId :

VX1029WBS02

Tot Ion:	53	Resp:	175579
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.6	99.8
51	36.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.731 ug/l

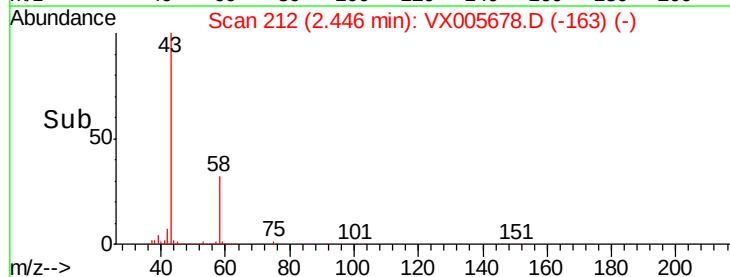
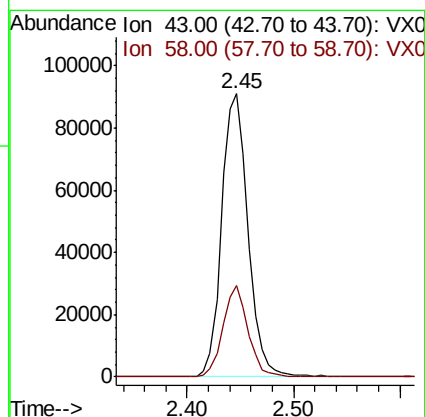
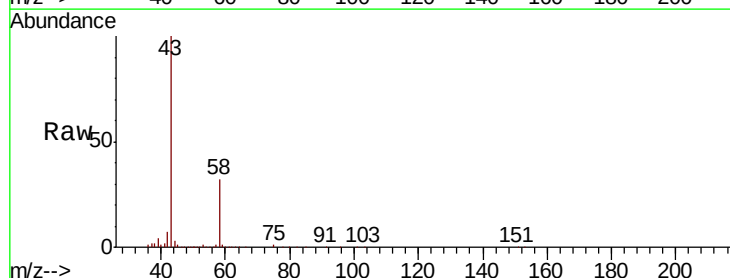
RT: 2.45 min Scan# 212

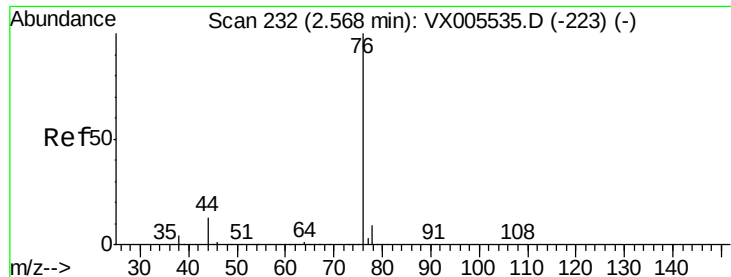
Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:	43	Resp:	155447
Ion Ratio		Lower	Upper
43	100		
58	32.4	23.8	35.6





#17

Carbon Disulfide

Concen: 18.803 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 76 Resp: 132673

Ion Ratio Lower Upper

76 100

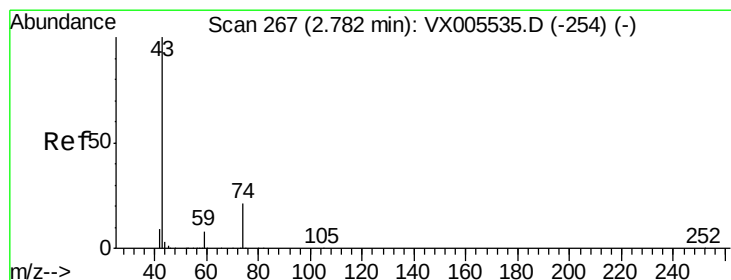
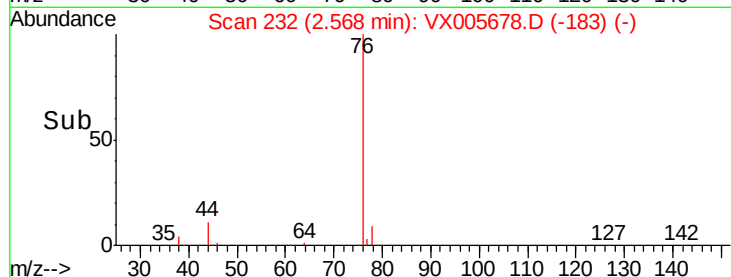
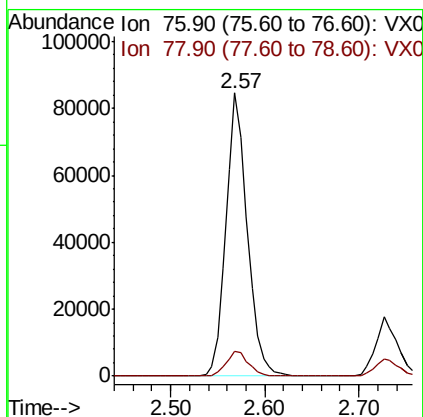
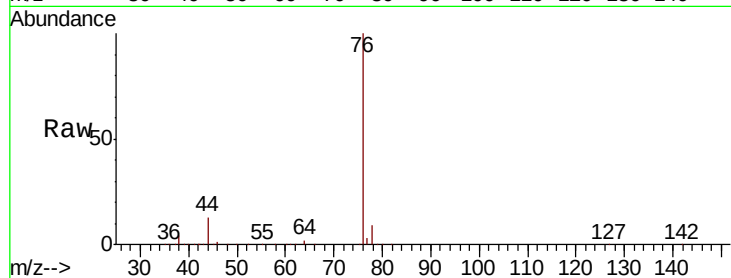
78 8.6 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 21.235 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005678.D

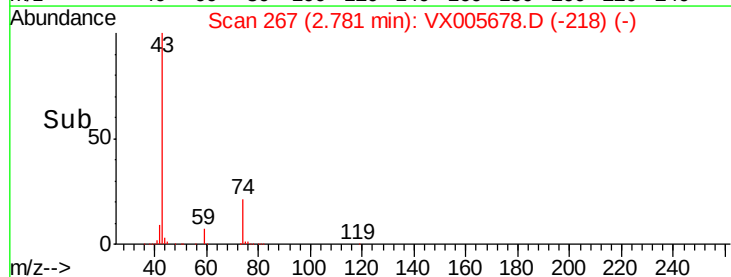
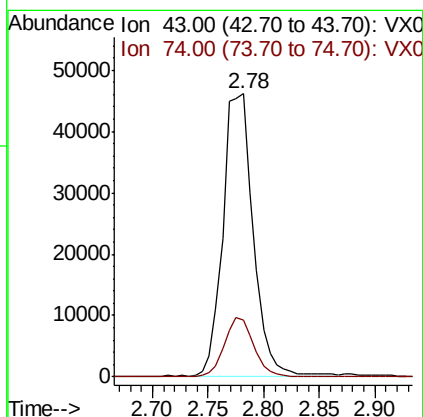
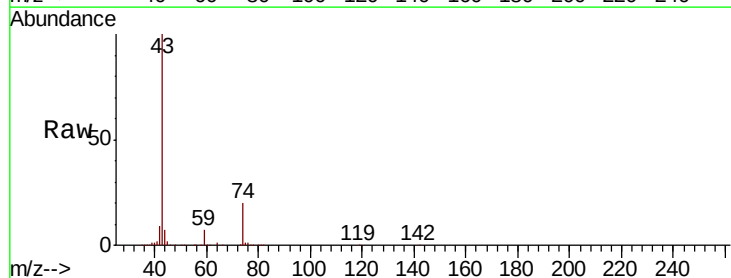
Acq: 30 Oct 2018 00:03

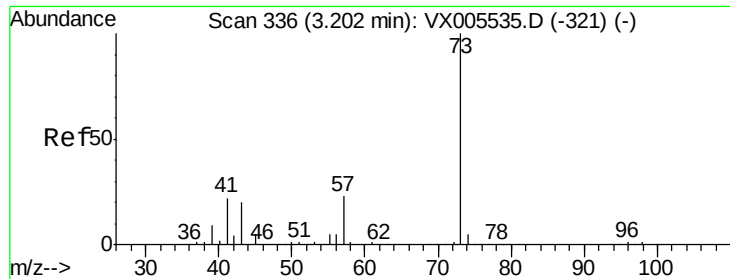
Tgt Ion: 43 Resp: 86743

Ion Ratio Lower Upper

43 100

74 20.1 16.8 25.2





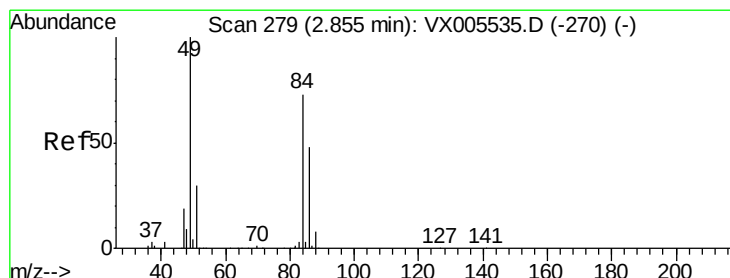
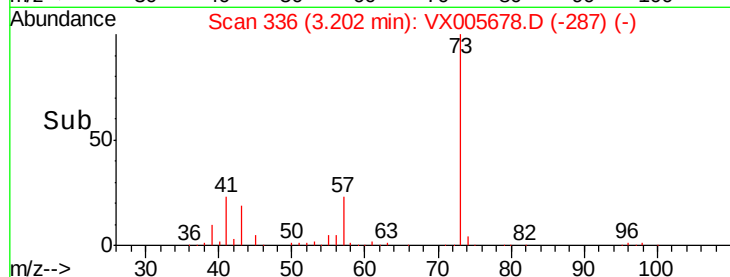
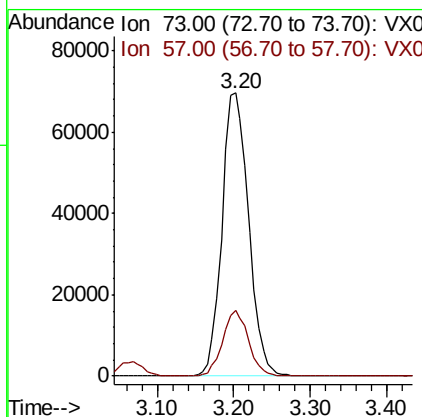
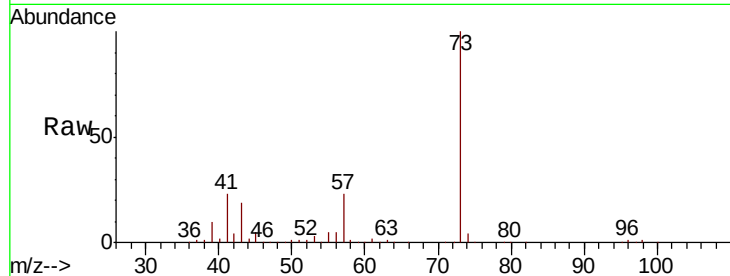
#19
Methyl tert-butyl Ether
Concen: 20.277 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.8	28.2

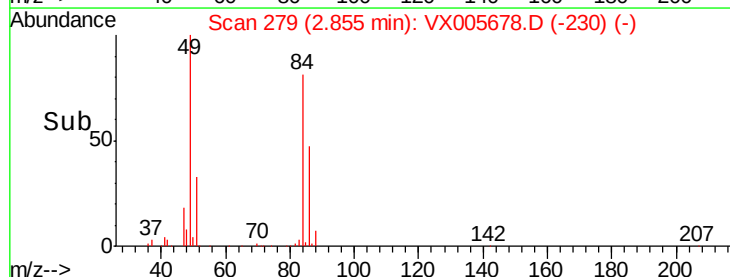
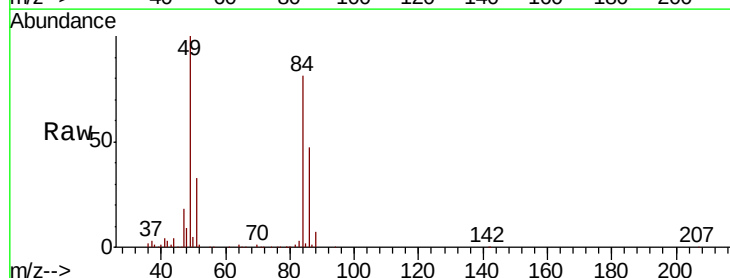
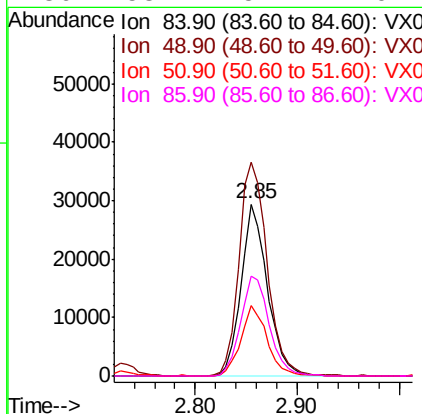
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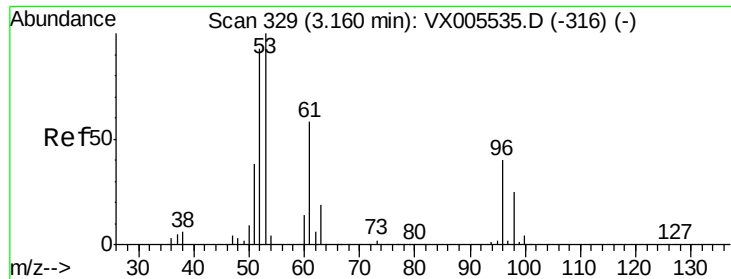
MMDadoda
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#20
Methylene Chloride
Concen: 19.689 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	109.5	164.3
51	41.0	33.3	49.9
86	58.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 19.024 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 96 Resp: 48081

Ion Ratio Lower Upper

96 100

61 148.7 115.6 173.4

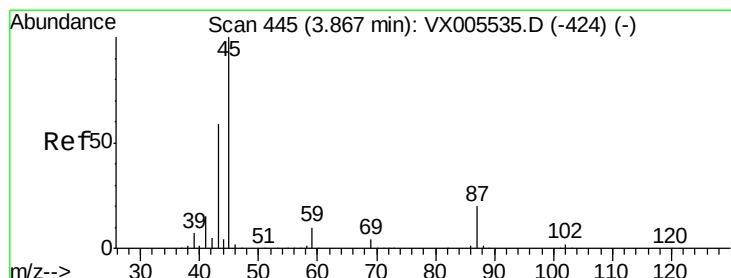
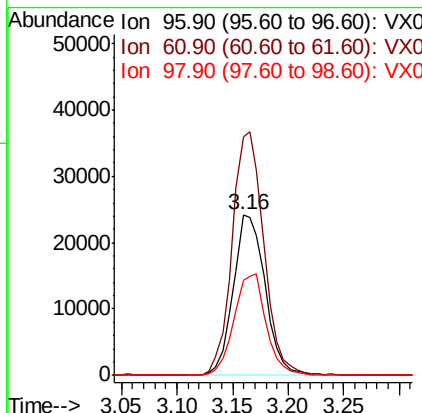
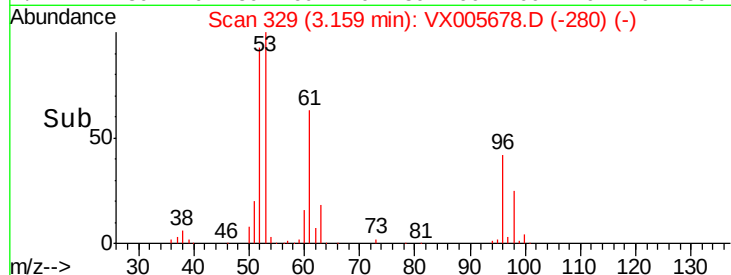
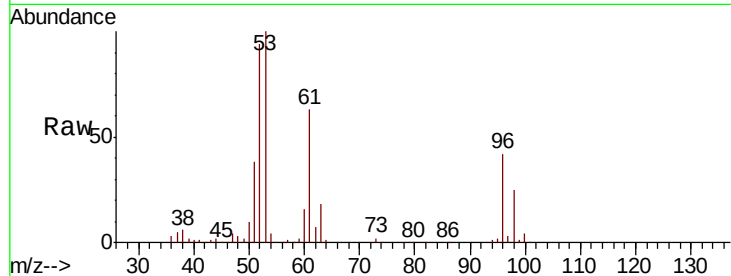
98 59.4 50.2 75.2

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#22

Diisopropyl ether

Concen: 19.207 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion: 45 Resp: 173273

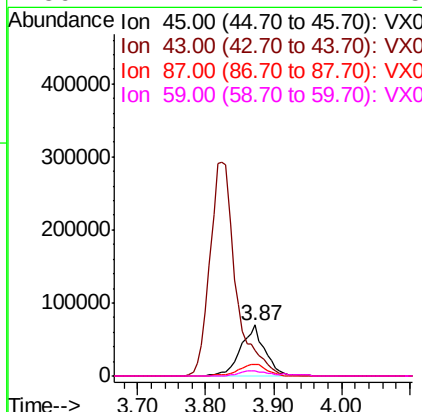
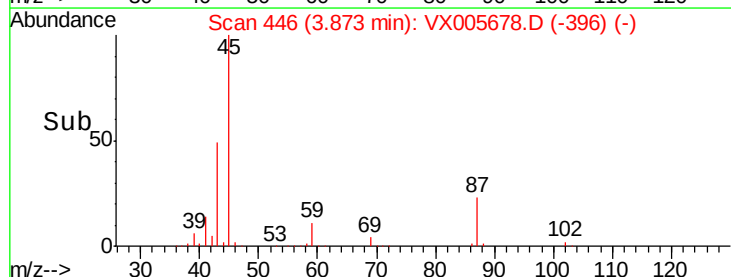
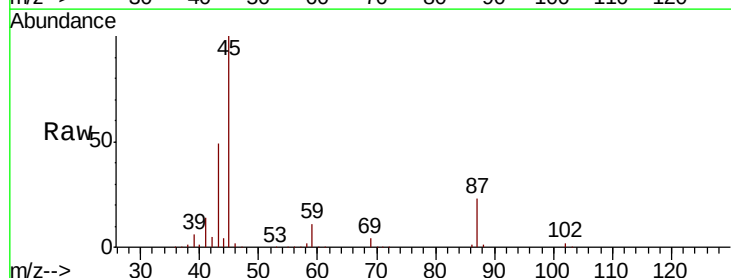
Ion Ratio Lower Upper

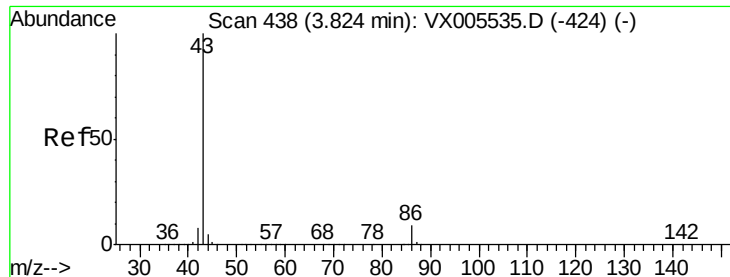
45 100

43 49.0 47.4 71.2

87 23.1 15.9 23.9

59 11.2 7.7 11.5





#23

Vinyl Acetate

Concen: 97.919 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 43 Resp: 777983

Ion Ratio Lower Upper

43 100

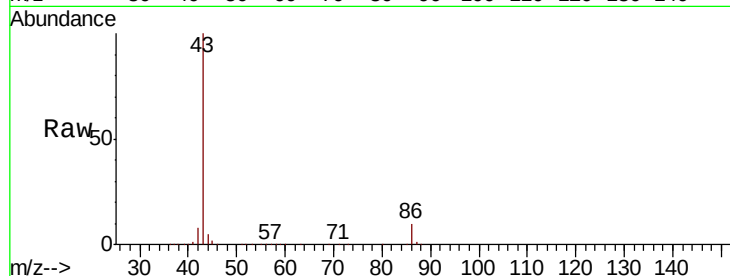
86 9.7 7.4 11.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

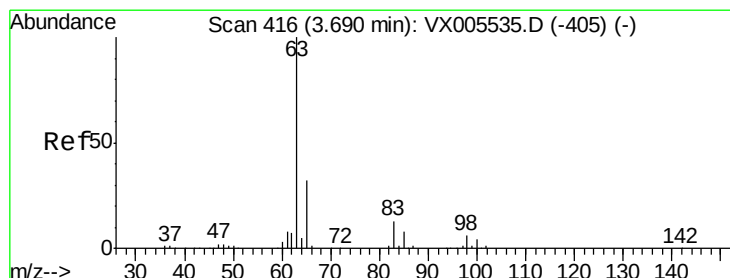
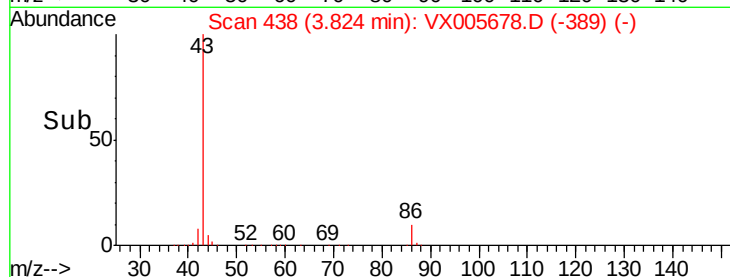
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.624 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

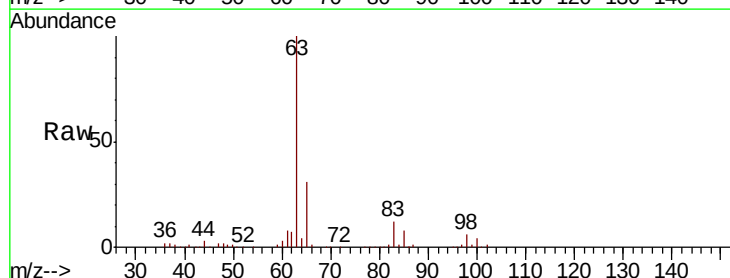
Tgt Ion: 63 Resp: 96251

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

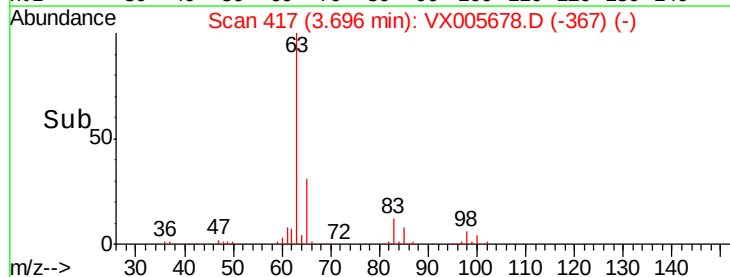
30000

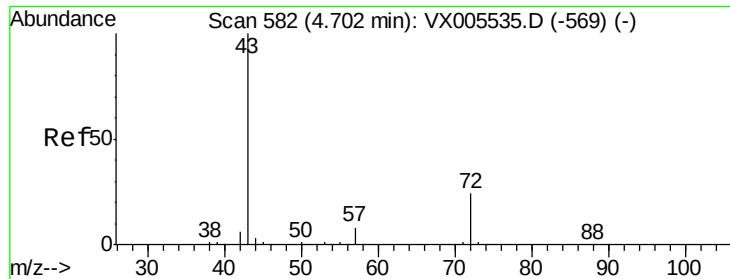
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.388 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 43 Resp: 238306

Ion Ratio Lower Upper

43 100

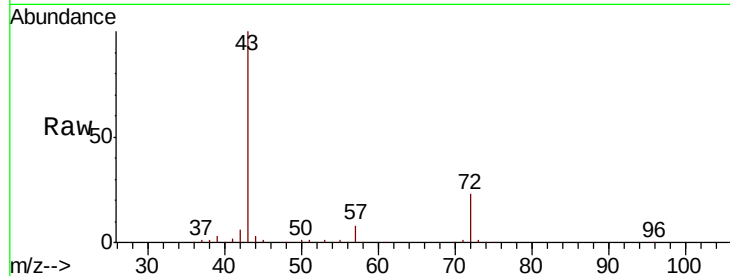
72 22.7 19.2 28.8

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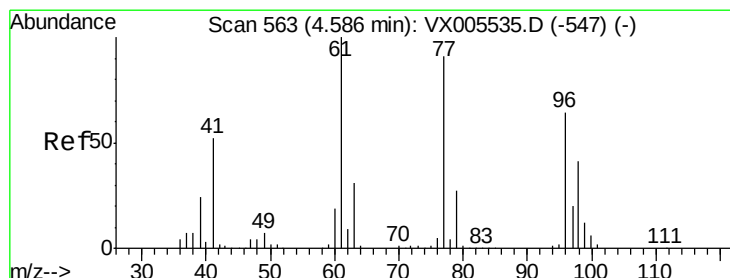
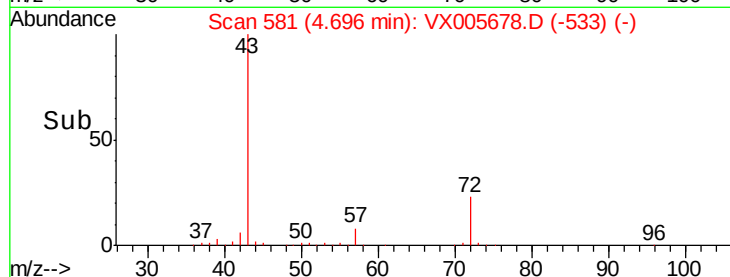
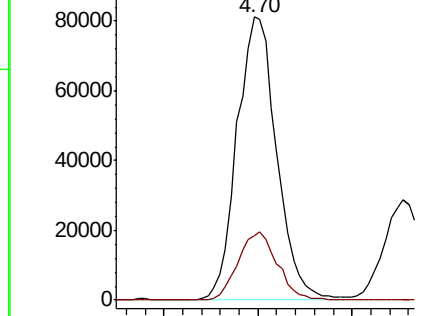
MMDadoda

10/30/2018 11:11:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.760 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005678.D

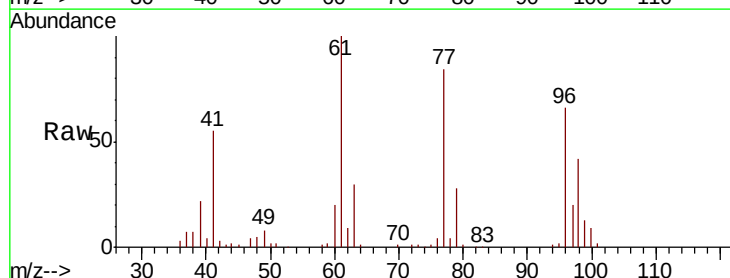
Acq: 30 Oct 2018 00:03

Tgt Ion: 77 Resp: 59678

Ion Ratio Lower Upper

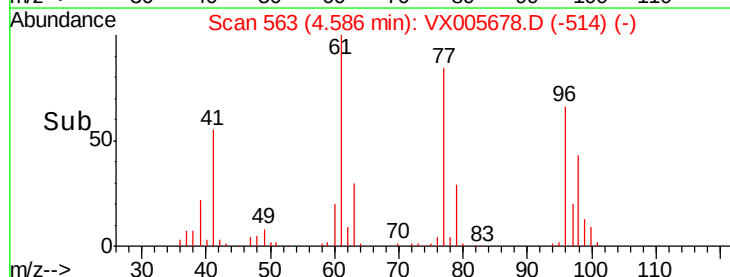
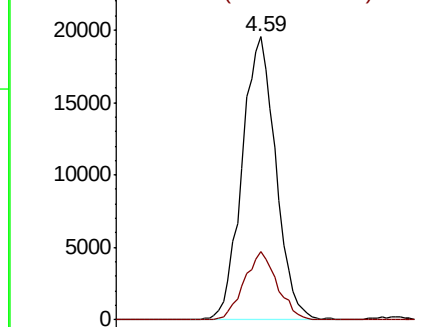
77 100

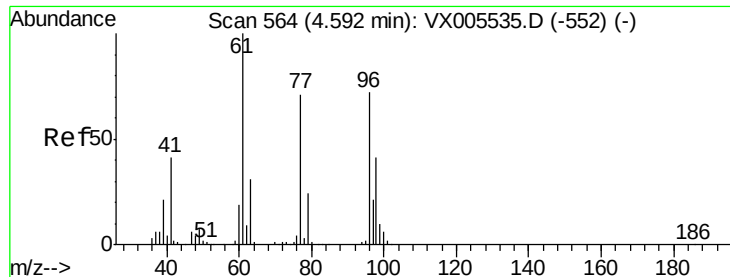
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

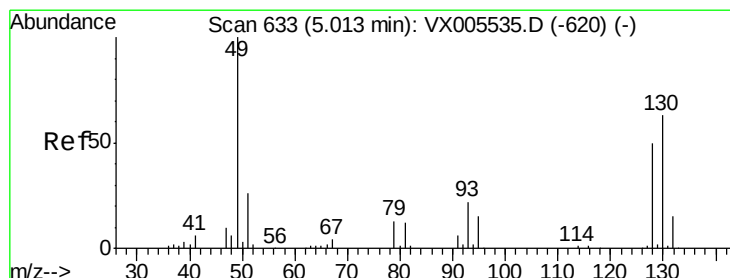
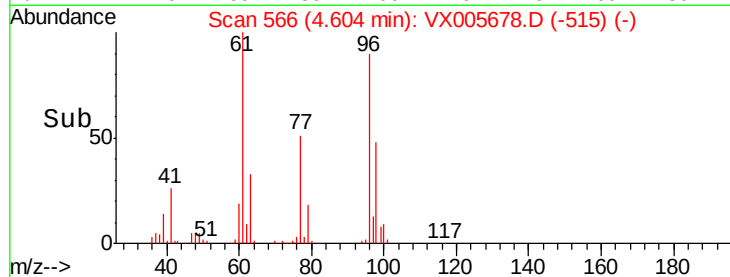
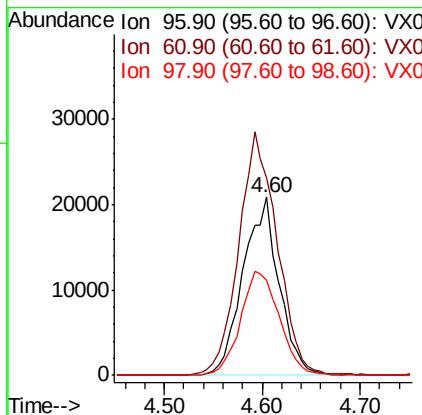
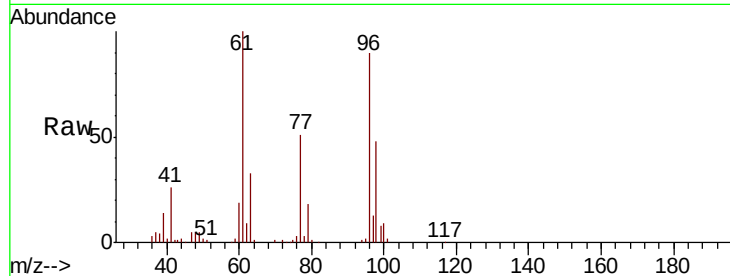
cis-1,2-Dichloroethene
 Concen: 19.547 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	53258		
61	145.6		0.0	304.6
98	63.0		0.0	127.4

Manual Integrations
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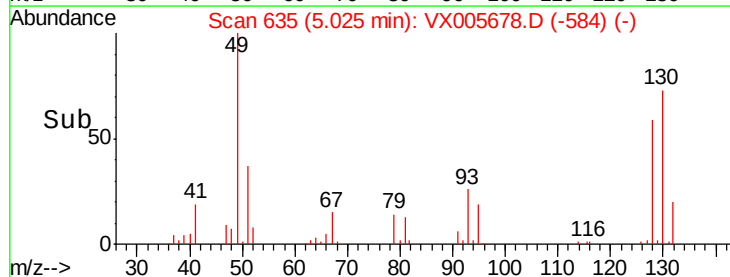
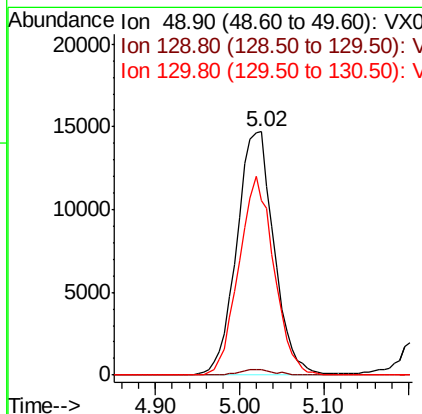
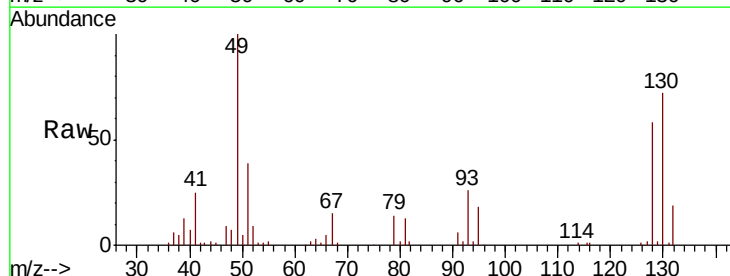
MMDadoda
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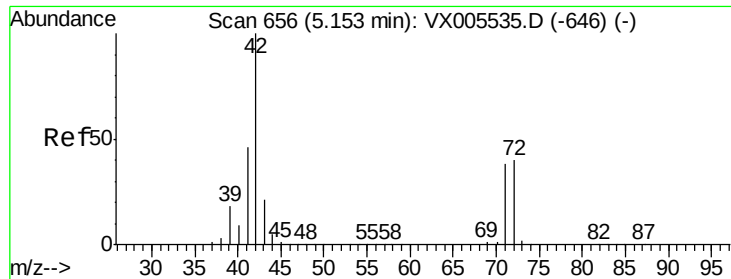


#28

Bromochloromethane
 Concen: 18.627 ug/l
 RT: 5.02 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44187		
129	2.1		0.0	4.0
130	76.4		58.9	88.3





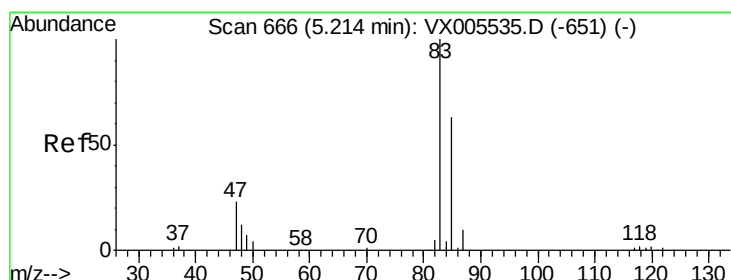
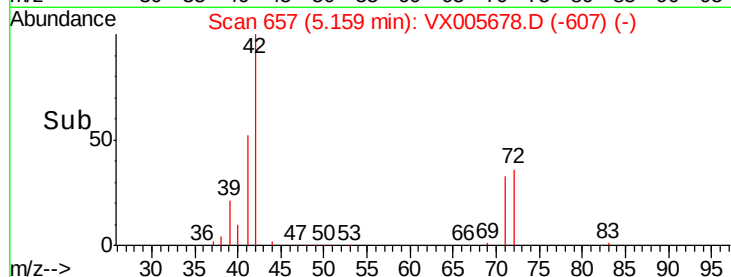
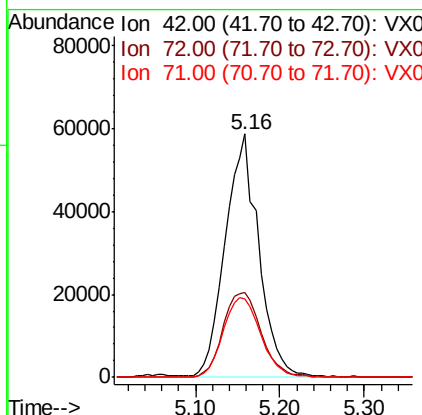
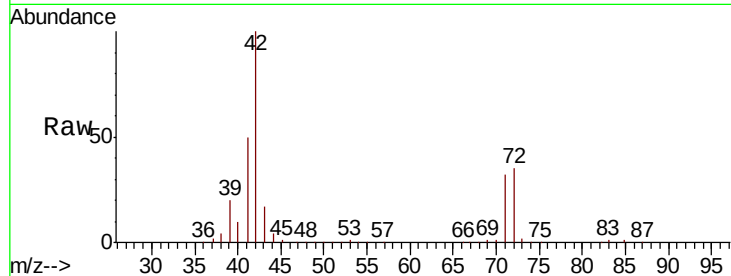
#29
Tetrahydrofuran
Concen: 99.548 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	37.4	29.8	44.8

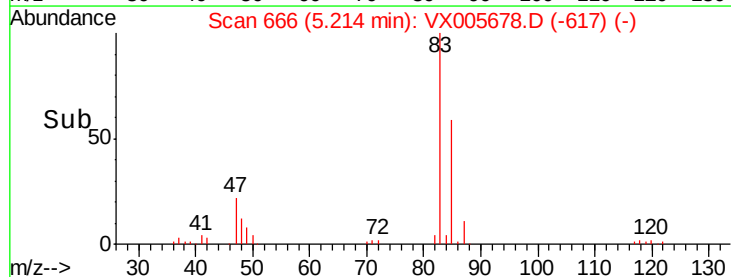
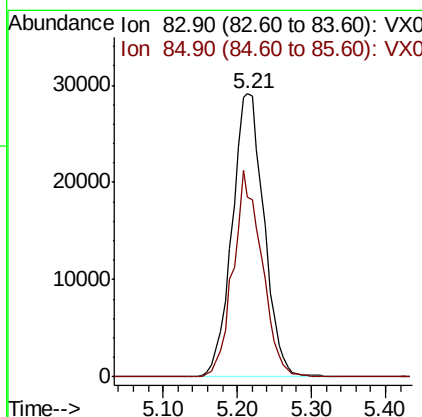
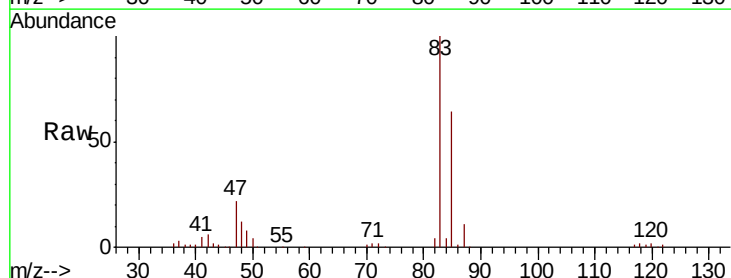
Manual Integrations
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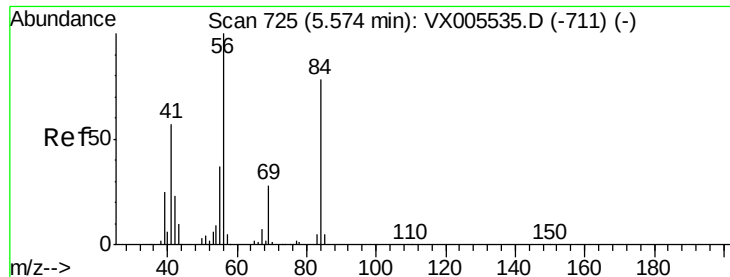
MMDadoda
10/30/2018 11:11:23 AM



#30
Chloroform
Concen: 19.055 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	76.0





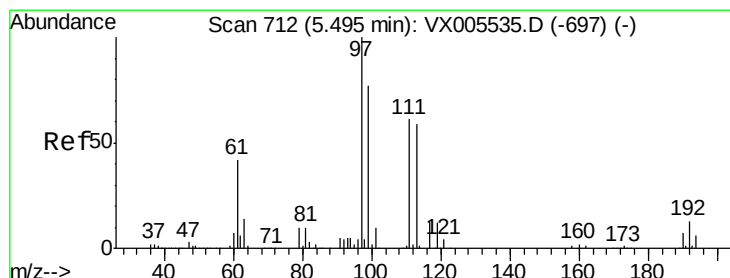
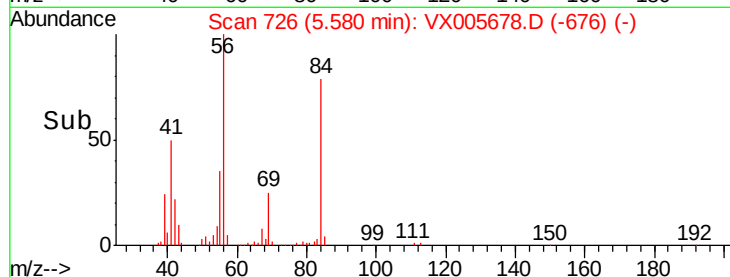
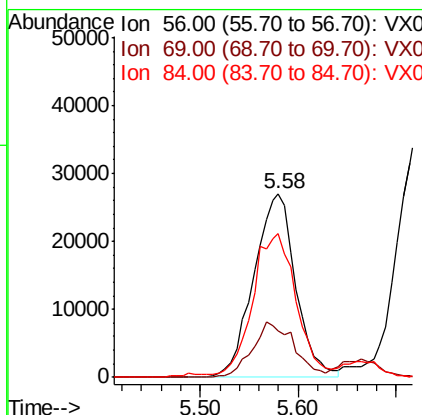
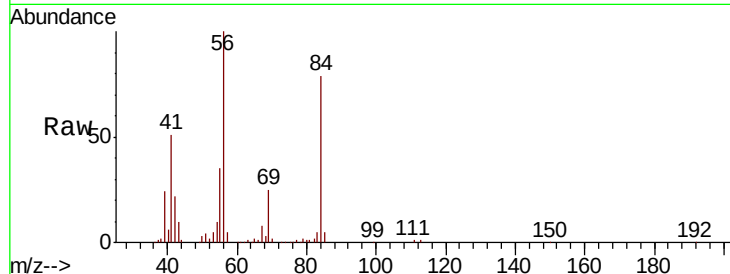
#31
Cyclohexane
Concen: 19.790 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.5	22.6	34.0
84	76.5	62.7	94.1

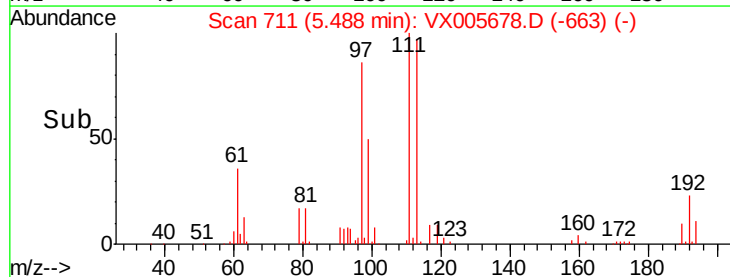
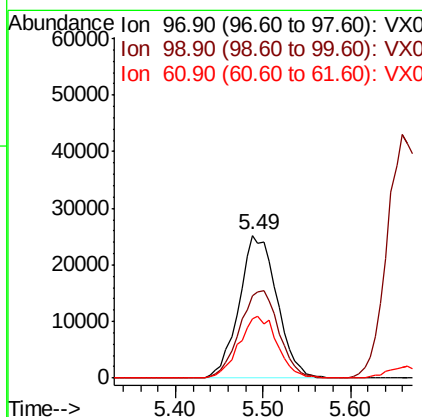
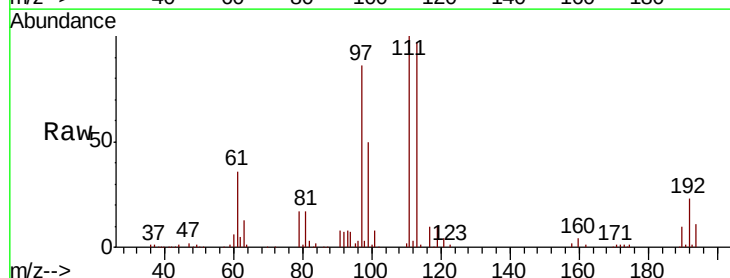
Manual Integrations
APPROVED

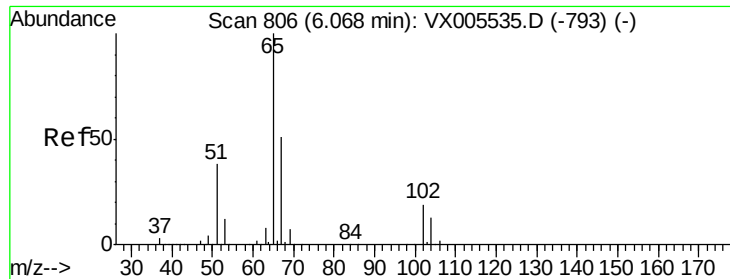
MMDadoda
10/30/2018 11:11:23 AM



#32
1,1,1-Trichloroethane
Concen: 18.783 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	43.9	35.2	52.8





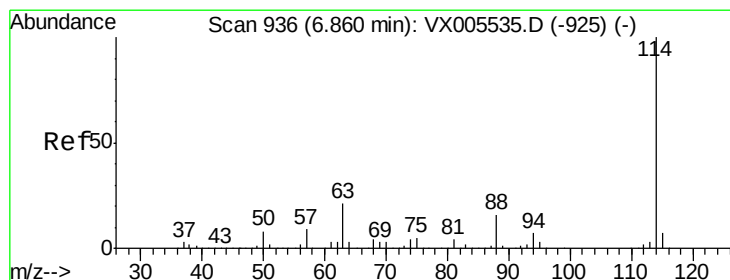
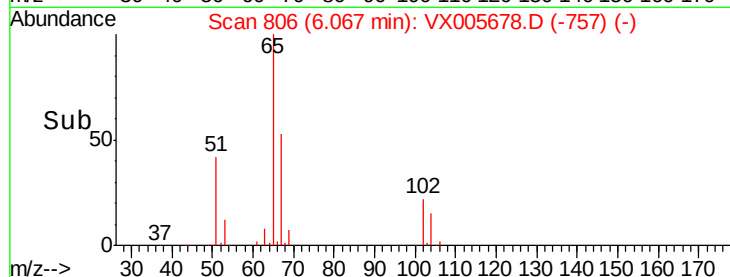
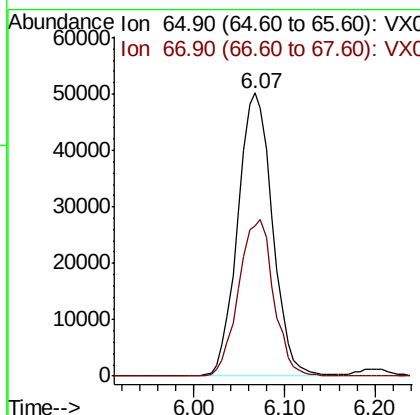
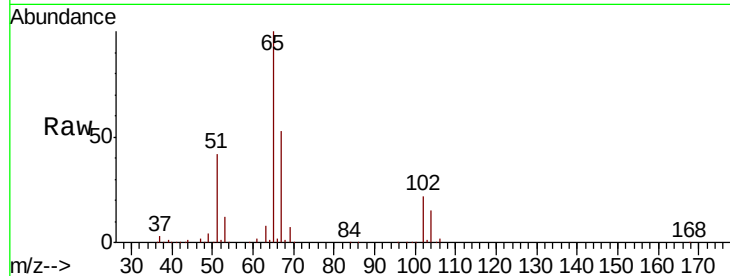
#33
 1,2-Dichloroethane-d4
 Concen: 44.295 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133330		
67	55.8	0.0	105.0	

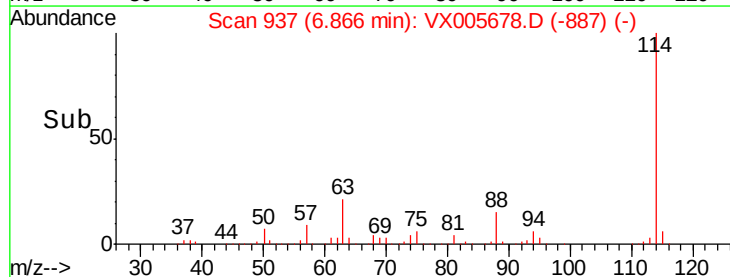
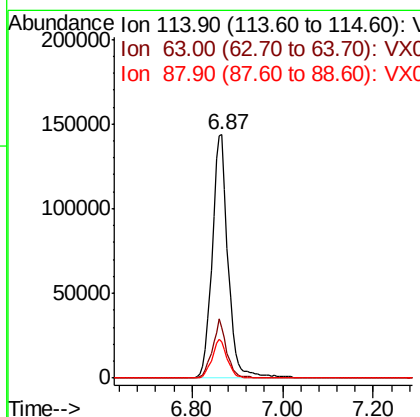
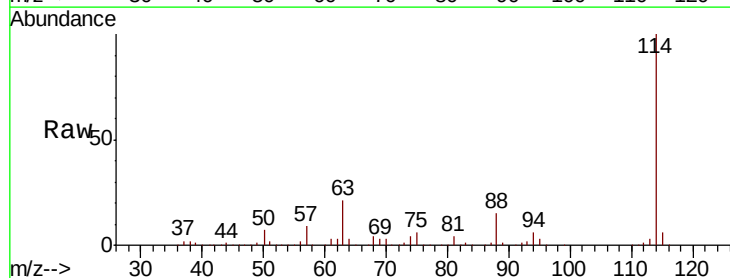
Manual Integrations
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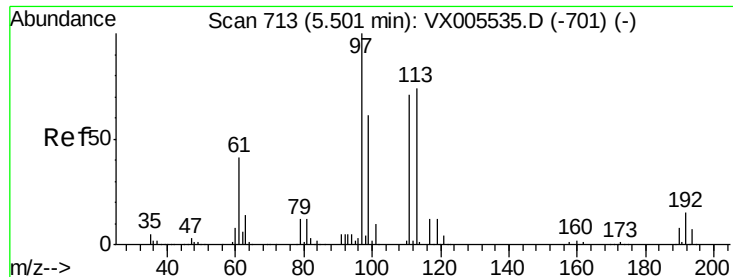
MMDadoda
 10/30/2018 11:11:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354525		
63	20.9	0.0	42.8	
88	15.0	0.0	31.2	





#35

Dibromofluoromethane

Concen: 46.180 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

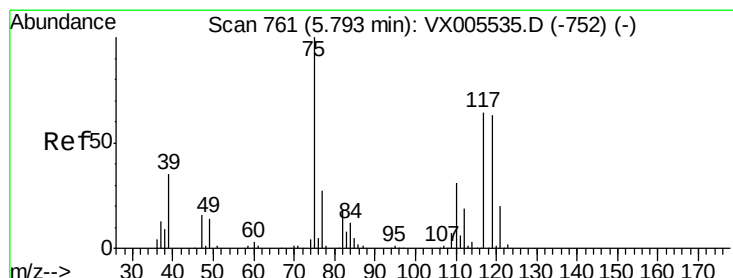
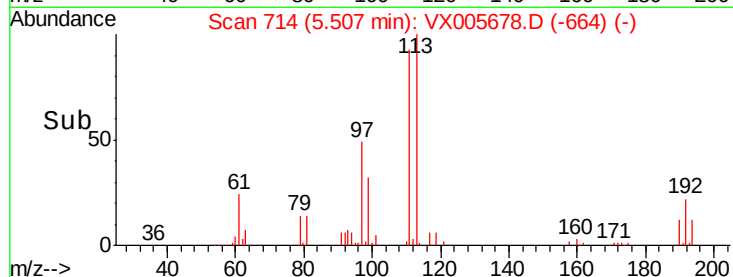
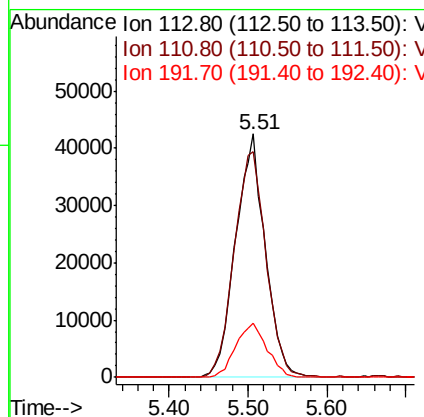
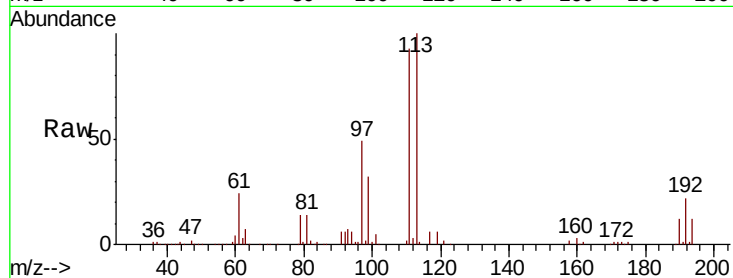
ClientSampleId :

VX1029WBS02

Tot Ion:	113	Resp:	110856
Ion Ratio	Lower	Upper	
113	100		
111	99.8	82.3	123.5
192	23.6	17.9	26.9

Manual Integrations
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10/30/2018 11:11:23 AM



#36

1,1-Dichloropropene

Concen: 19.170 ug/l

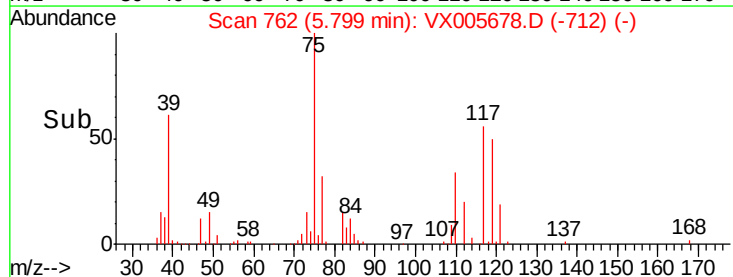
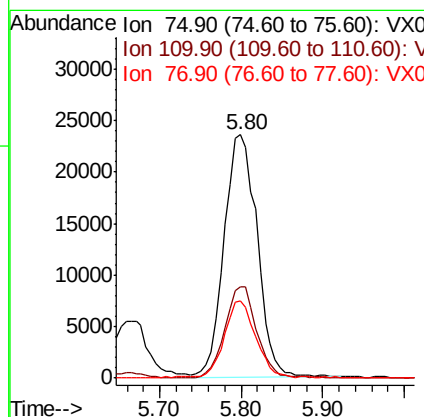
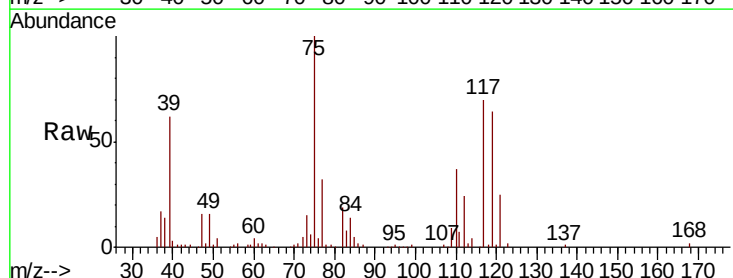
RT: 5.80 min Scan# 762

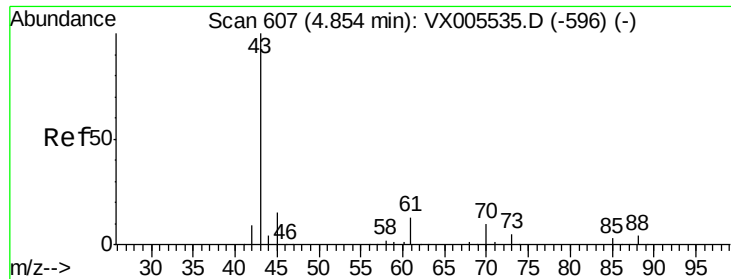
Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:	75	Resp:	65953
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.4	52.2
77	29.5	25.8	38.6





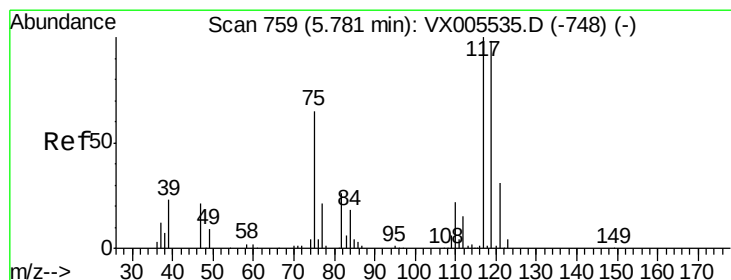
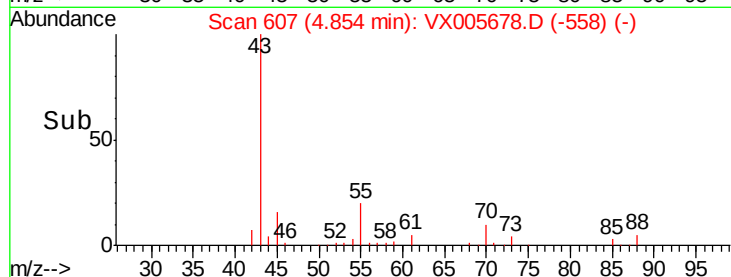
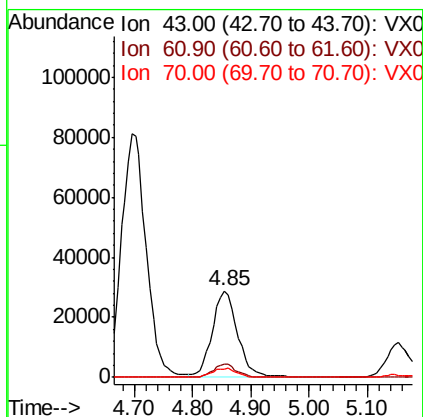
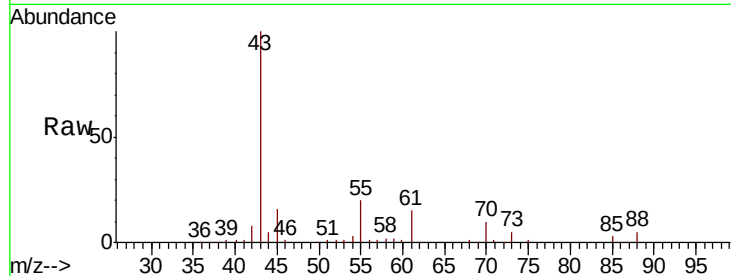
#37
Ethyl Acetate
Concen: 19.669 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	10.2	7.8	11.8

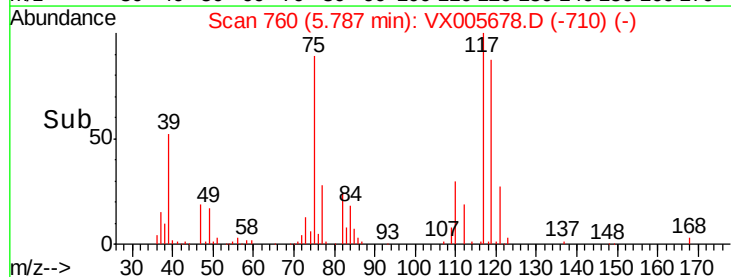
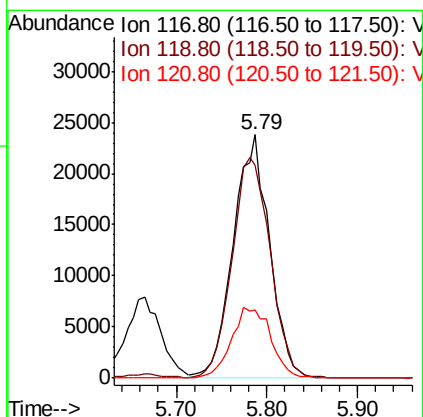
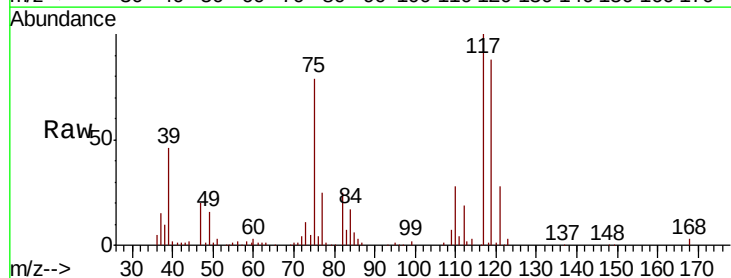
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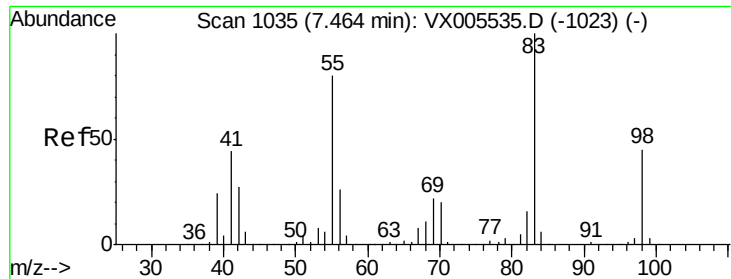
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#38
Carbon Tetrachloride
Concen: 18.246 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.6	78.1	117.1
121	27.9	24.6	36.8





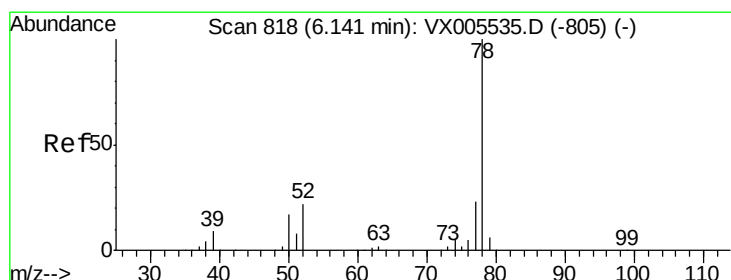
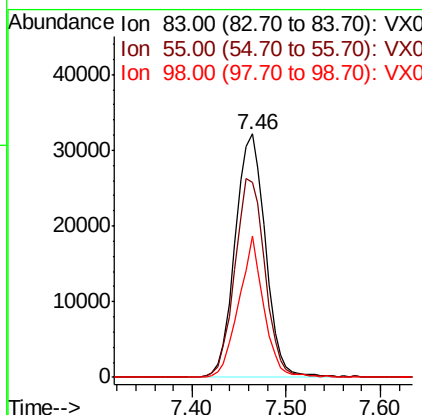
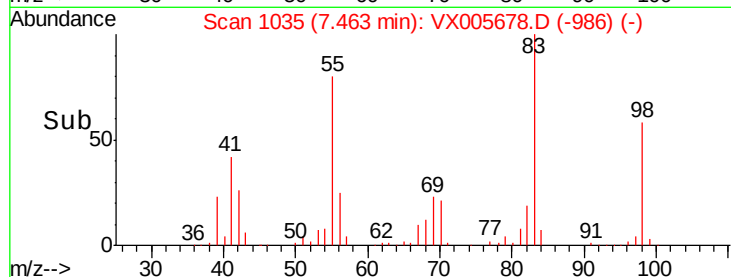
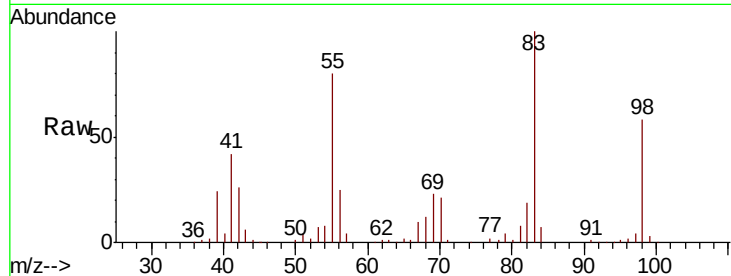
#39
Methylvlcyclohexane
Concen: 18.921 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.7	95.5
98	57.8	36.2	54.2#

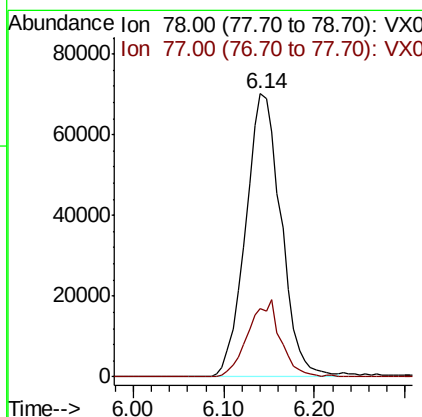
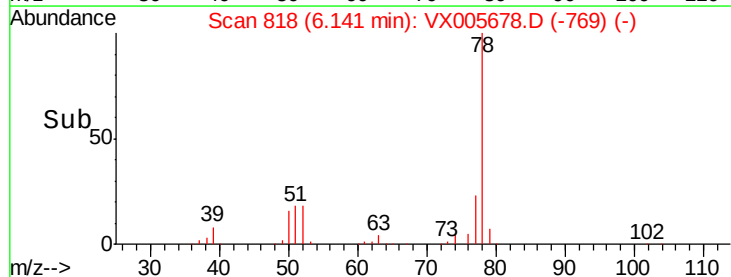
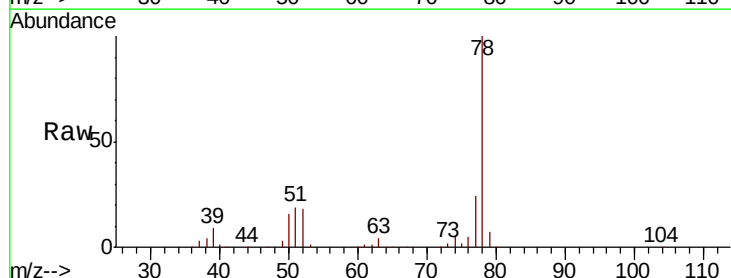
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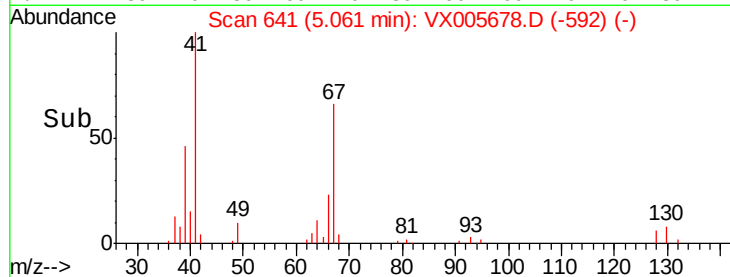
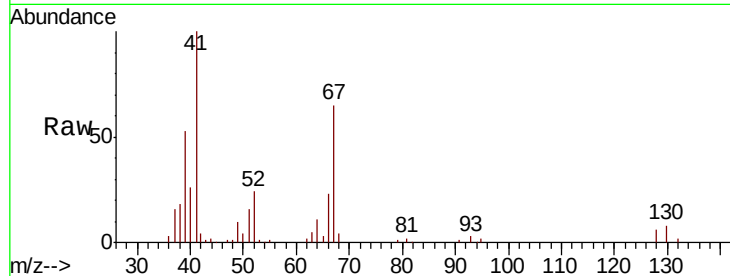
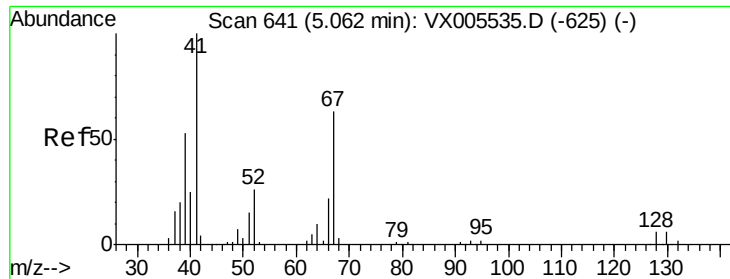
MMDadoda
10/30/2018 11:11:23 AM



#40
Benzene
Concen: 19.273 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6





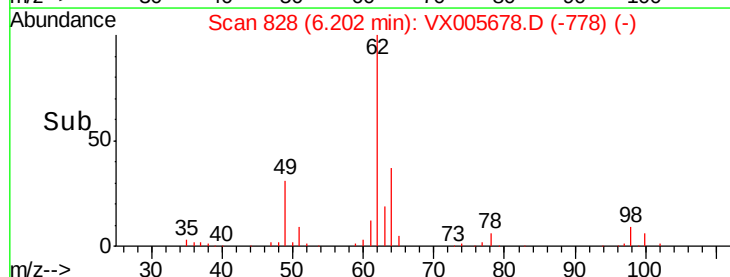
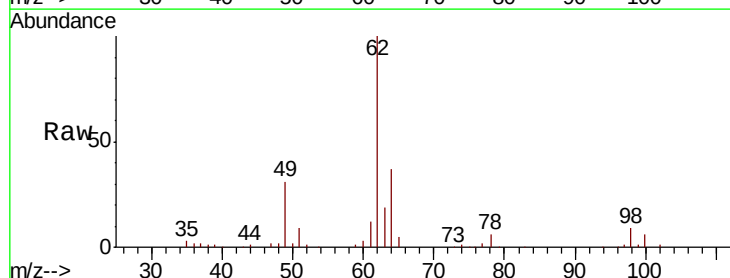
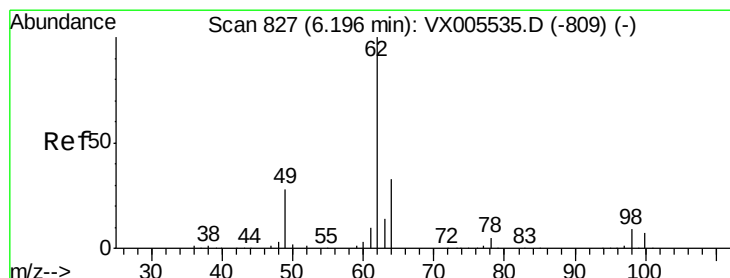
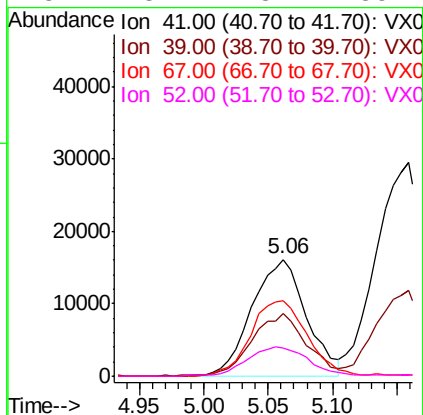
#41
Methacrylonitrile
Concen: 19.356 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	53.7	42.2	63.2
67	67	68.1	53.4	80.0
52	52	28.7	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

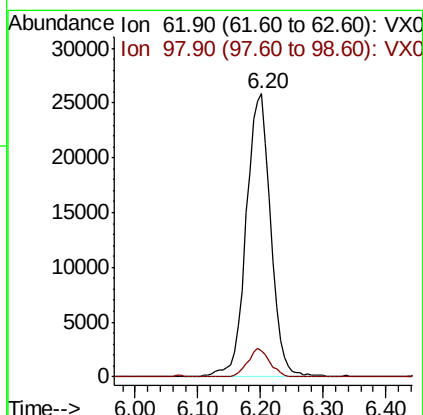
Manual Integrations
APPROVED

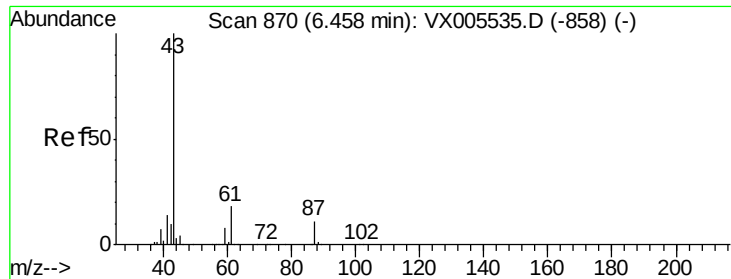
MMDadoda
10/30/2018 11:11:23 AM



#42
1,2-Dichloroethane
Concen: 18.651 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.1	0.0	17.8





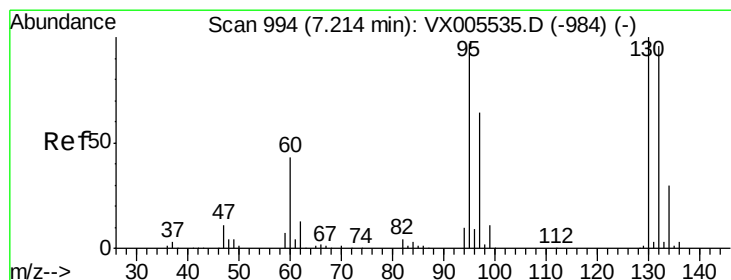
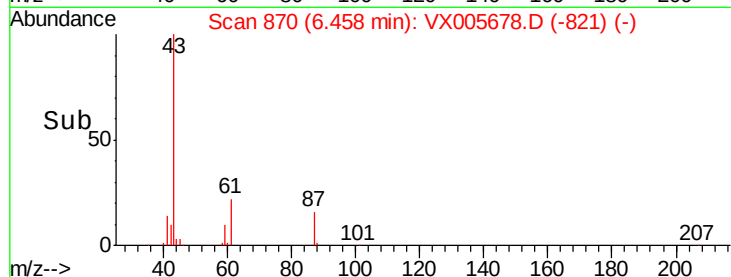
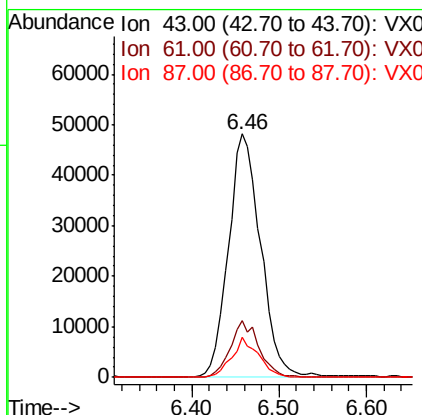
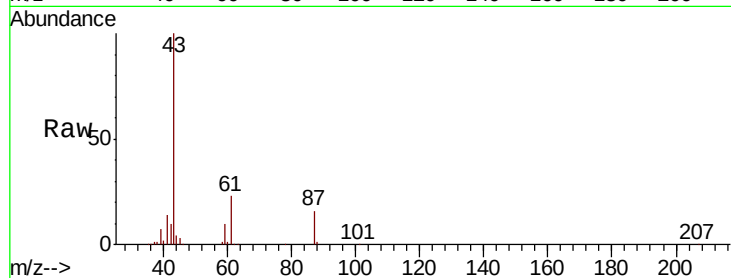
#43
Isopropyl Acetate
Concen: 18.706 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.6	22.0
87	13.9	9.6	14.4

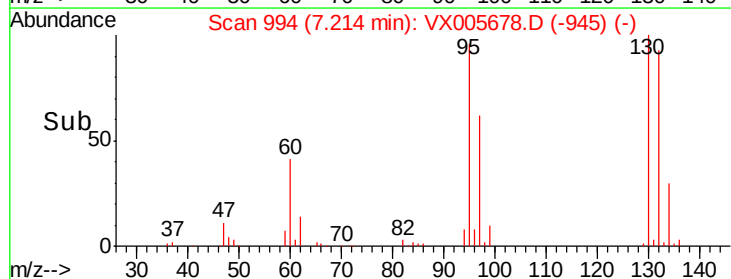
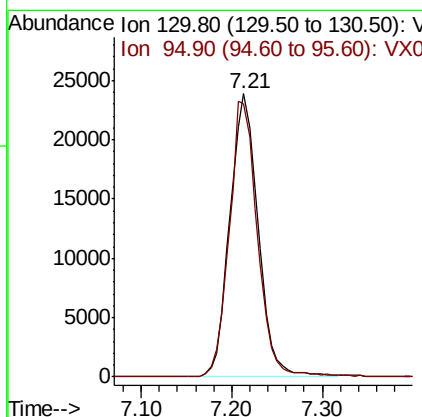
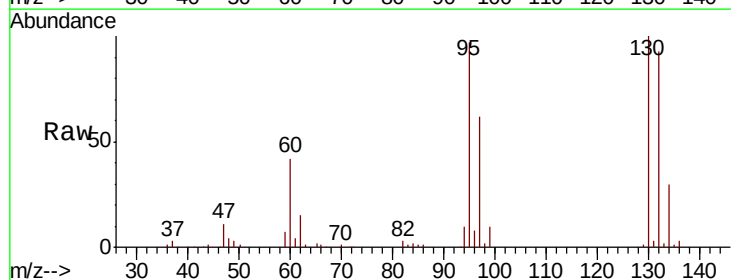
Manual Integrations
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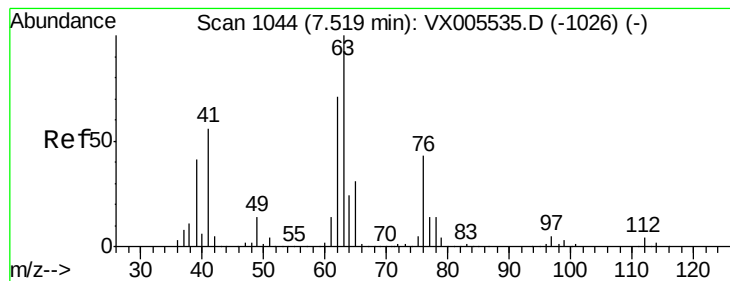
MMDadoda
10/30/2018 11:11:23 AM



#44
Trichloroethene
Concen: 19.295 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.2





#45

1,2-Dichloropropane

Concen: 19.492 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 63 Resp: 51684

Ion Ratio Lower Upper

63 100

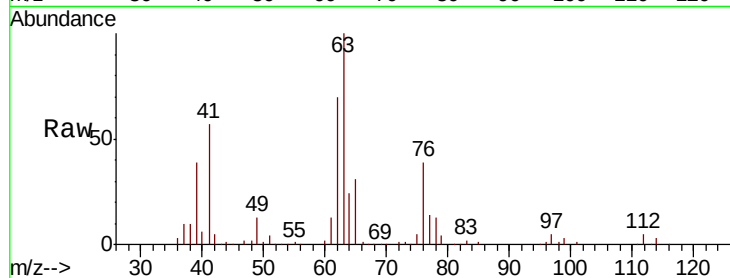
65 31.2 24.8 37.2

Manual Integrations

APPROVED

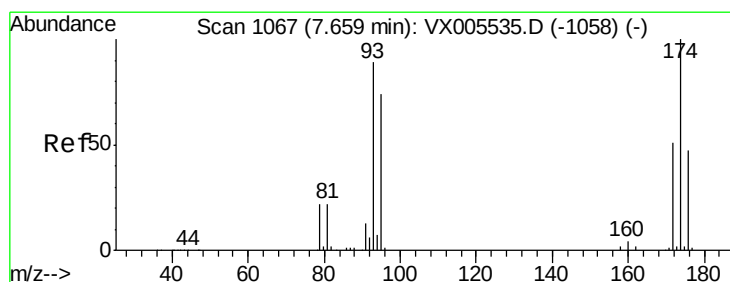
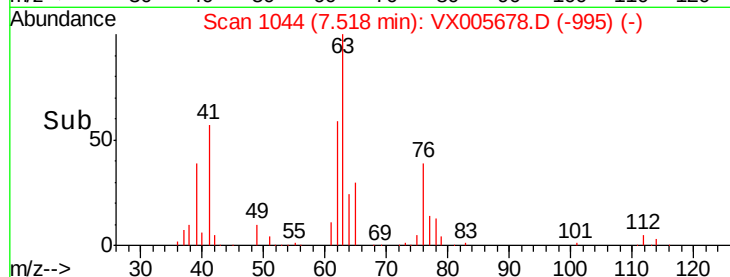
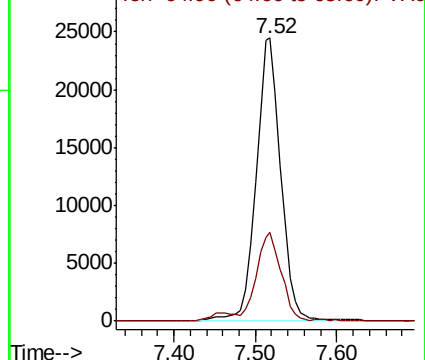
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.928 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

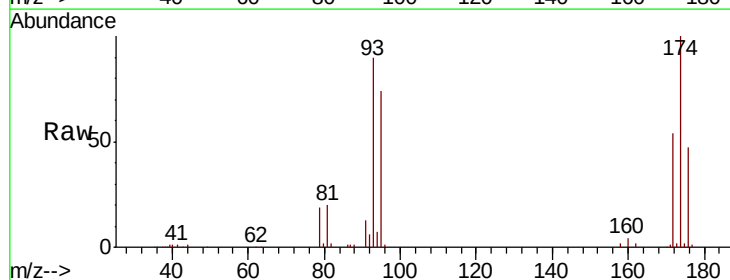
Tgt Ion: 93 Resp: 32415

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

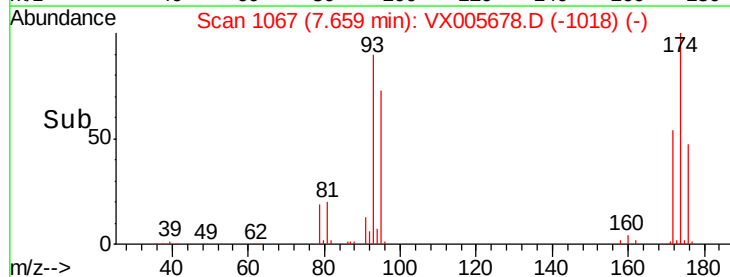
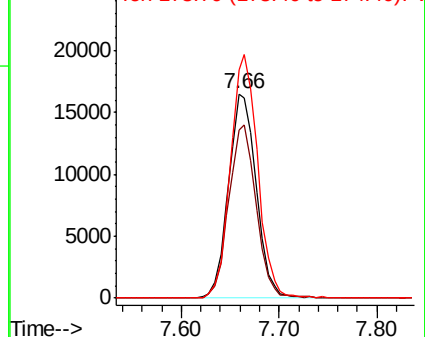
174 117.1 91.5 137.3

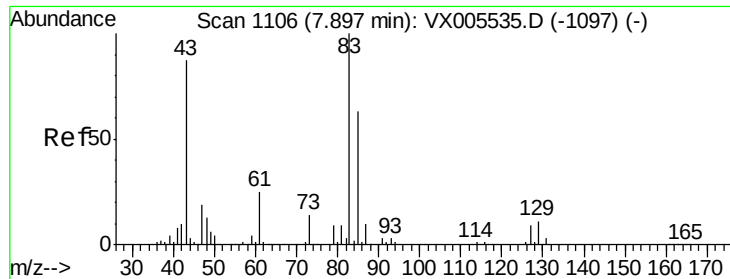


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.335 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

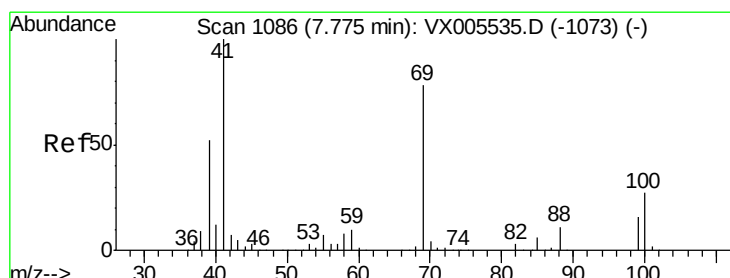
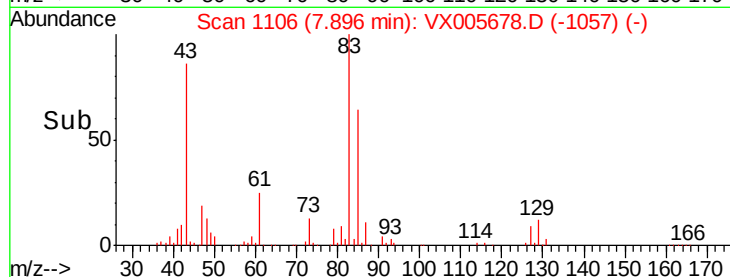
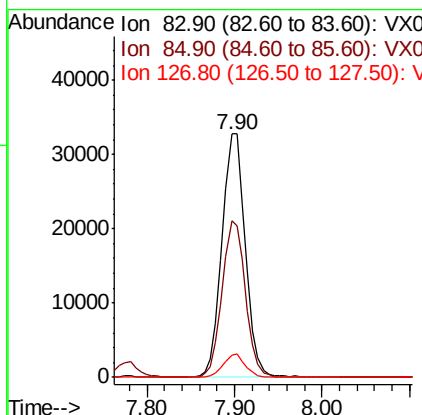
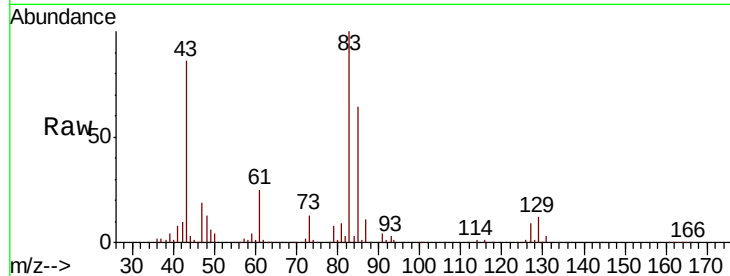
ClientSampleId :

VX1029WBS02

Tot Ion:	83	Resp:	60942
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4
127	9.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.071 ug/l

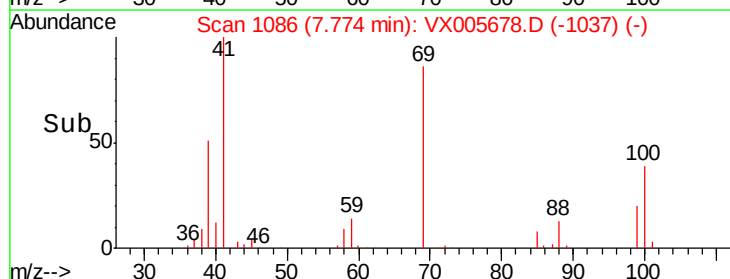
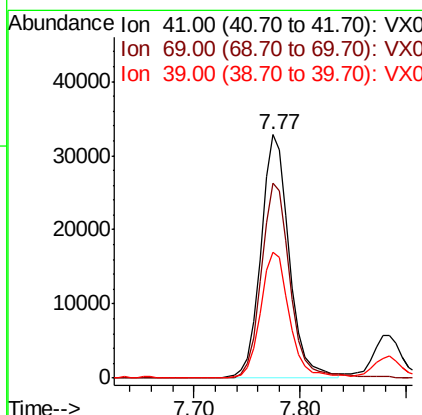
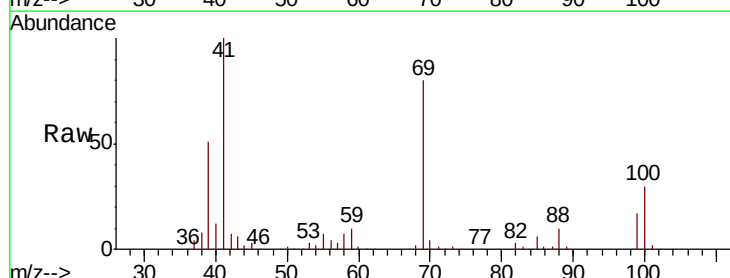
RT: 7.77 min Scan# 1086

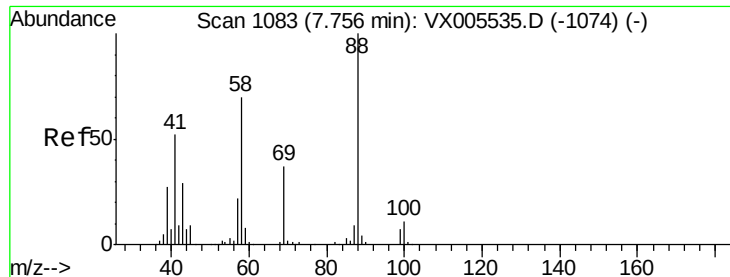
Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:	41	Resp:	61124
Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.2	94.8
39	52.2	42.2	63.2





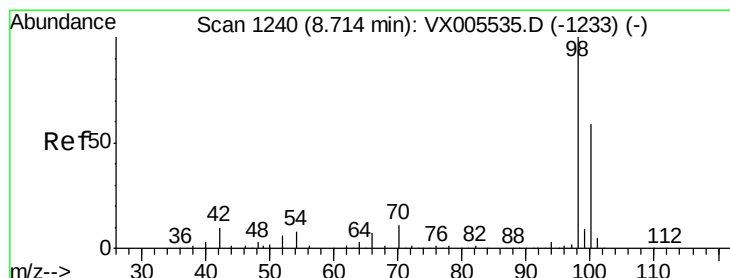
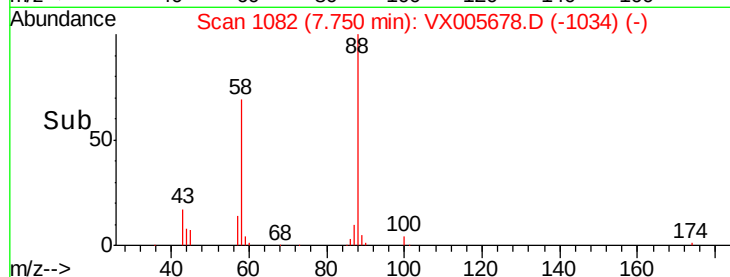
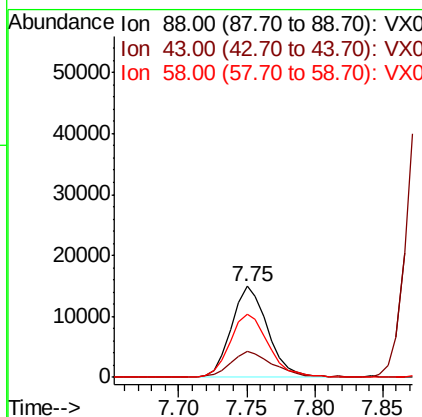
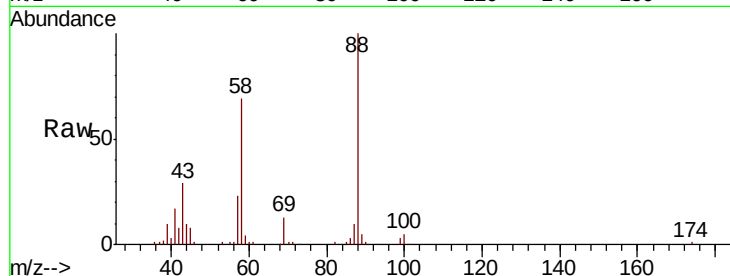
#49
1,4-Dioxane
Concen: 397.308 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.4	41.0
58	74.4	59.4	89.2

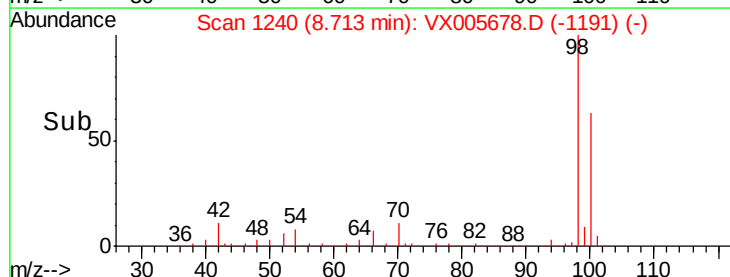
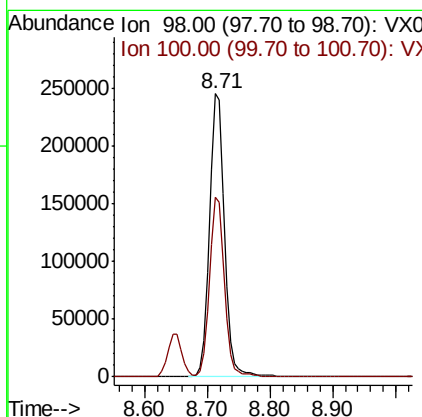
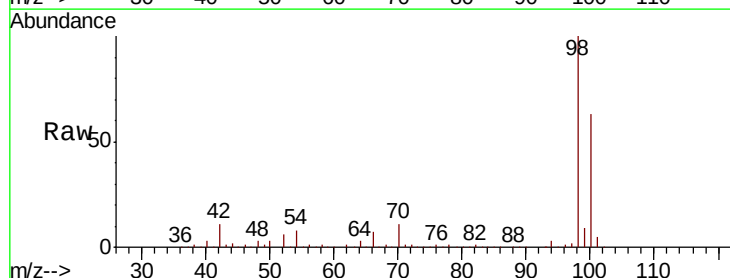
Manual Integrations
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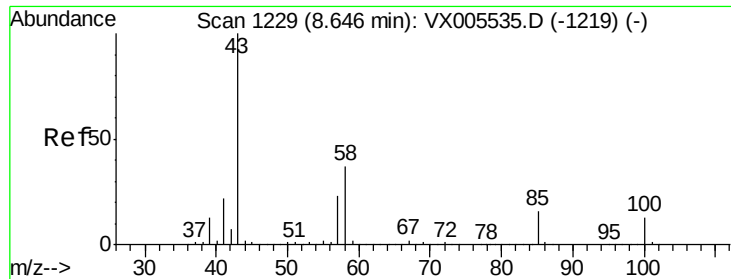
MMDadoda
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#50
Toluene-d8
Concen: 46.996 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 96.722 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 43 Resp: 427661

Ion Ratio Lower Upper

43 100

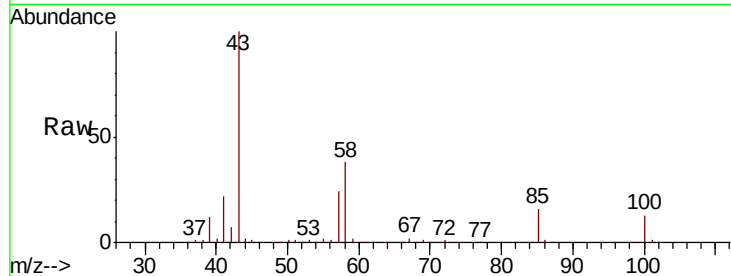
58 37.8 29.7 44.5

Manual Integrations

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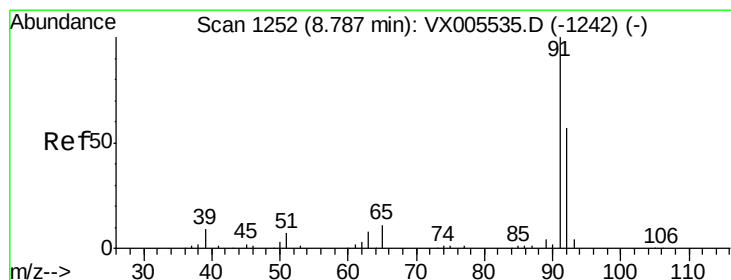
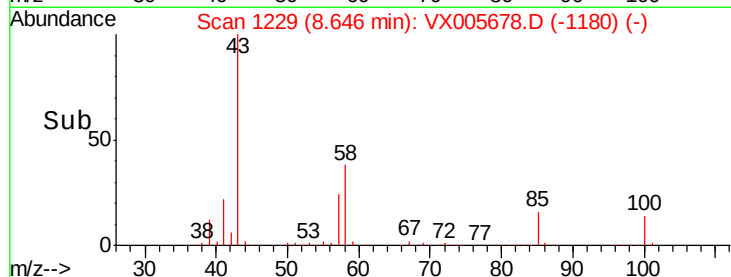
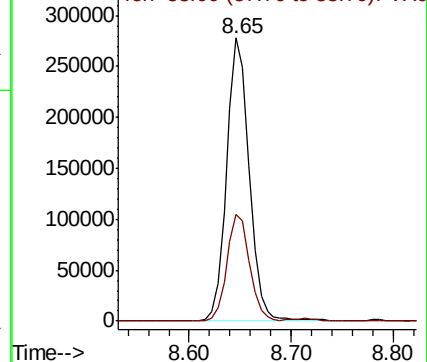
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.633 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005678.D

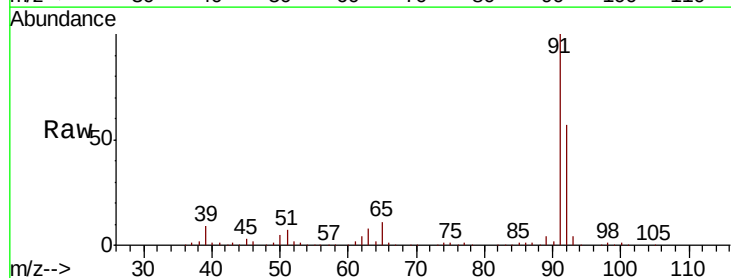
Acq: 30 Oct 2018 00:03

Tgt Ion: 92 Resp: 117678

Ion Ratio Lower Upper

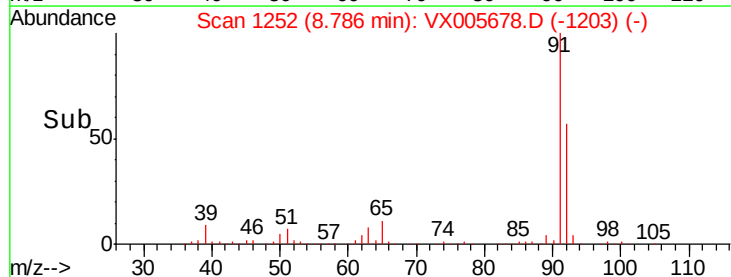
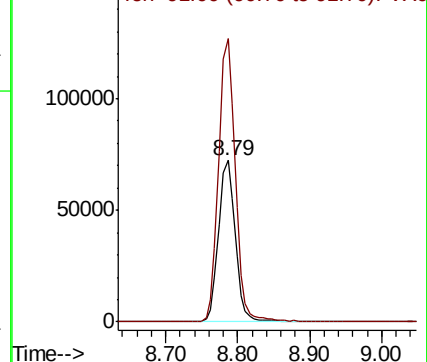
92 100

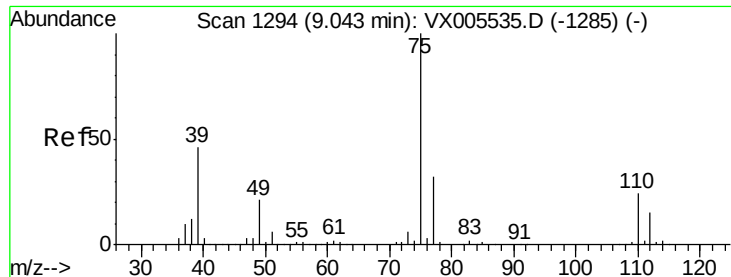
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.204 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tot Ion: 75 Resp: 65395

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

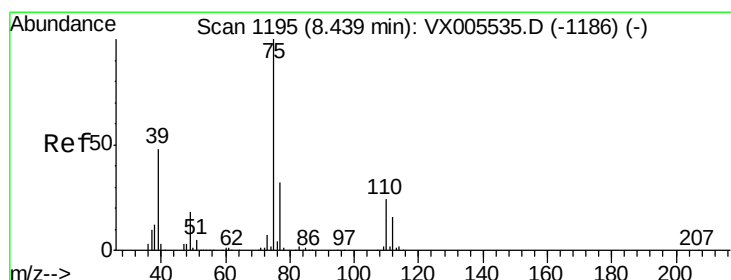
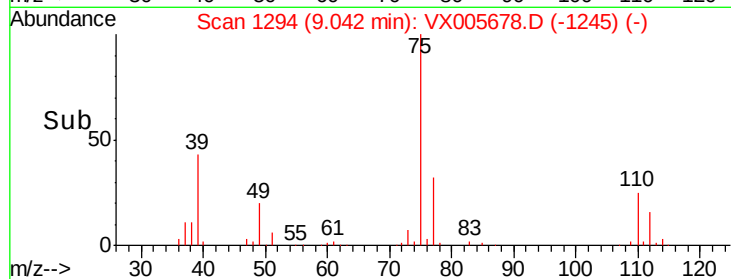
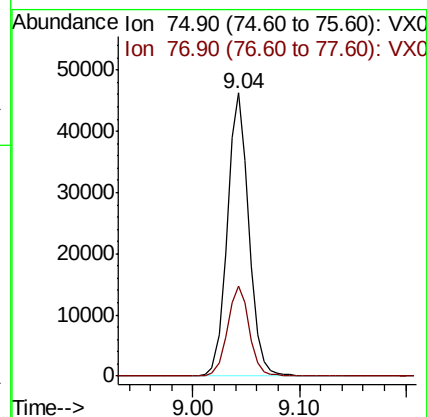
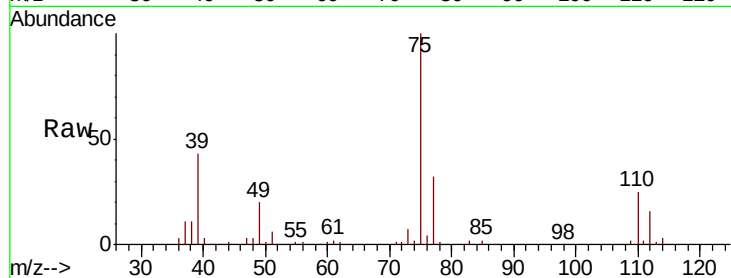
VX1029WBS02

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#54

cis-1,3-Dichloropropene

Concen: 18.873 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

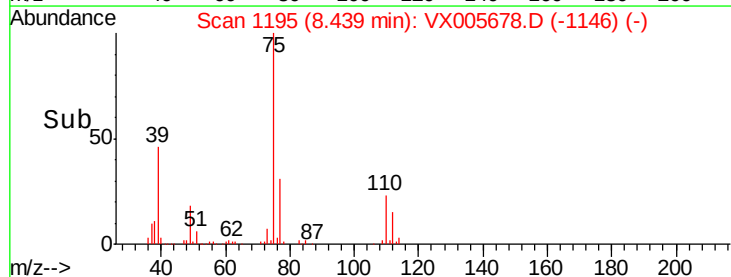
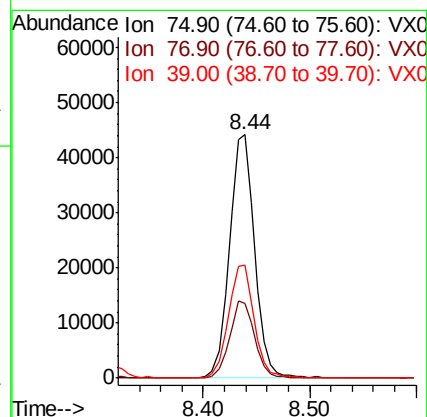
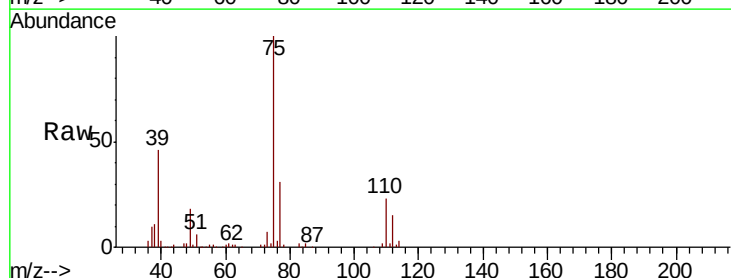
Tgt Ion: 75 Resp: 72994

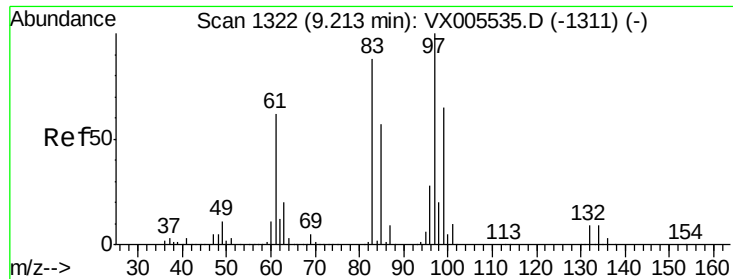
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 46.3 38.2 57.2





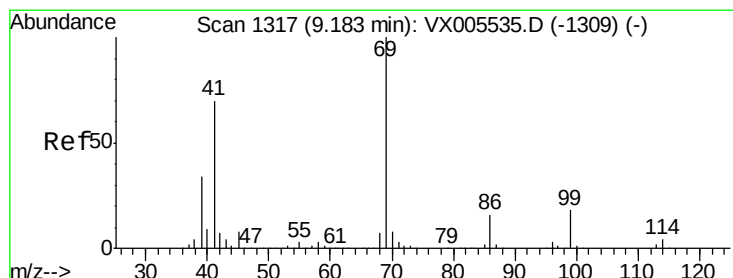
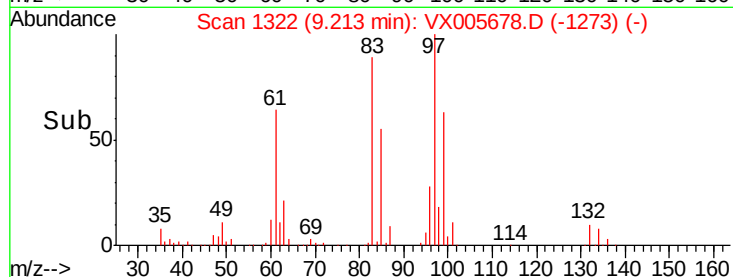
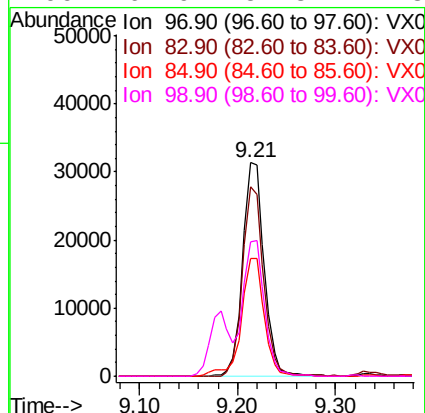
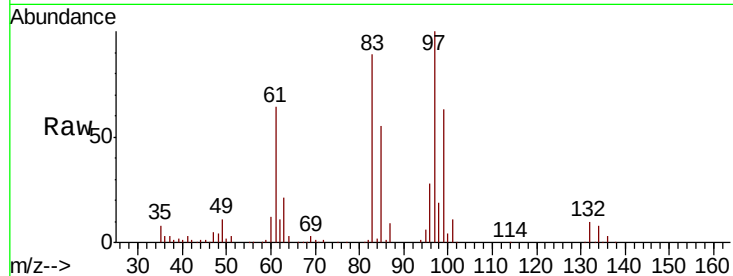
#55
 1,1,2-Trichloroethane
 Concen: 19.064 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.7	106.1
85	55.0	45.8	68.6
99	62.9	51.8	77.8

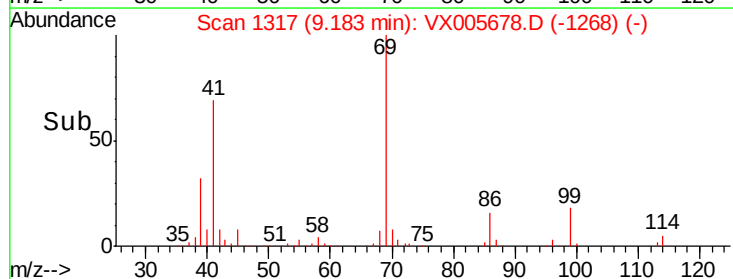
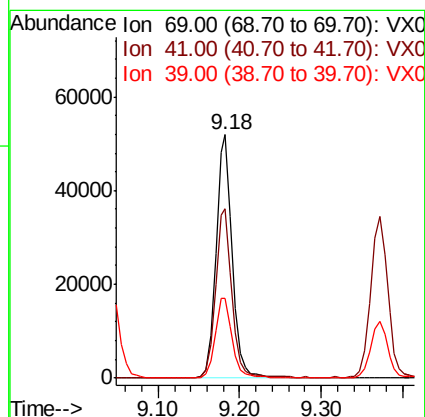
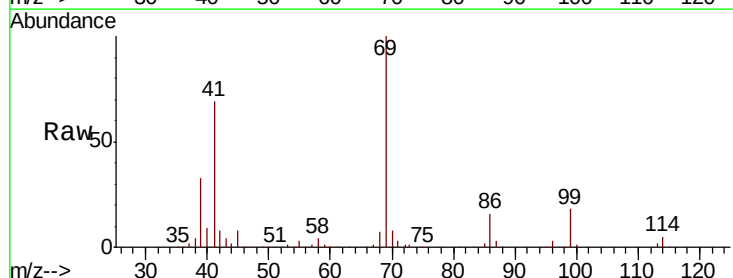
Manual Integrations
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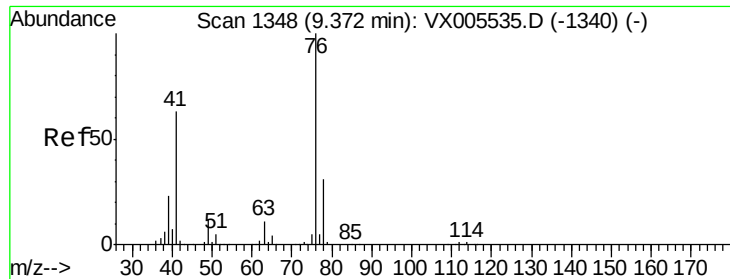
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#56
 Ethyl methacrylate
 Concen: 19.479 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.0	85.6
39	33.9	28.3	42.5





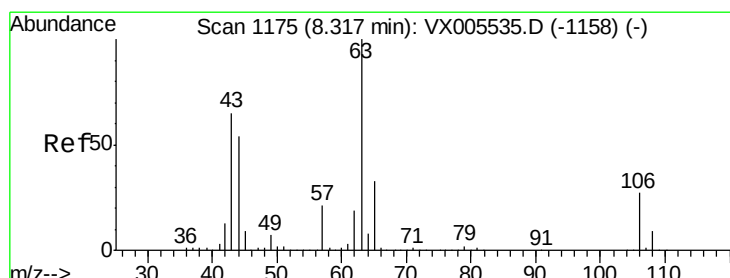
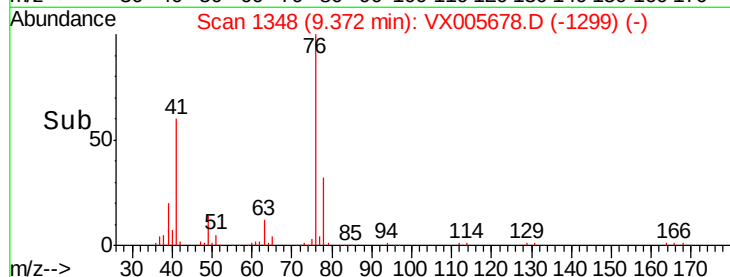
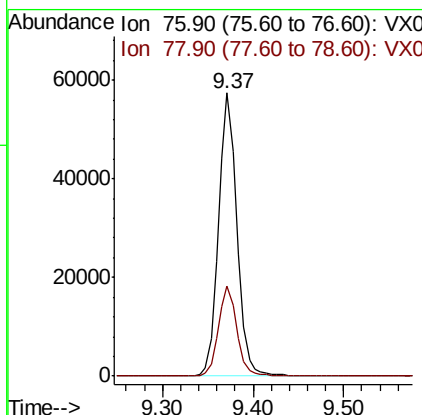
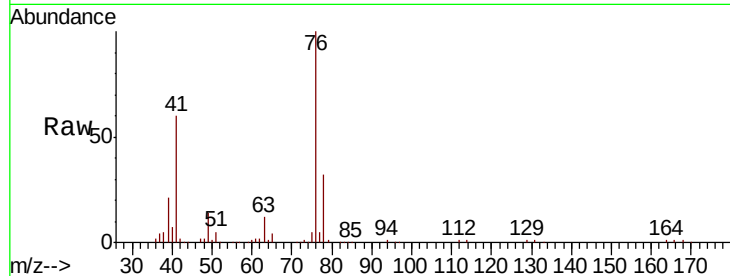
#57
 1,3-Dichloropropane
 Concen: 19.074 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion: 76 Resp: 81559
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9

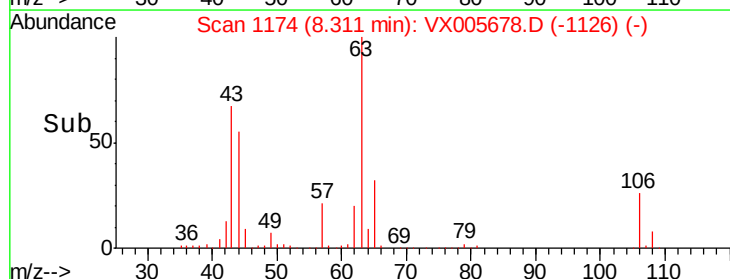
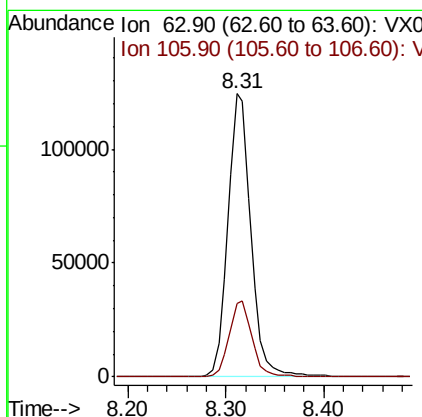
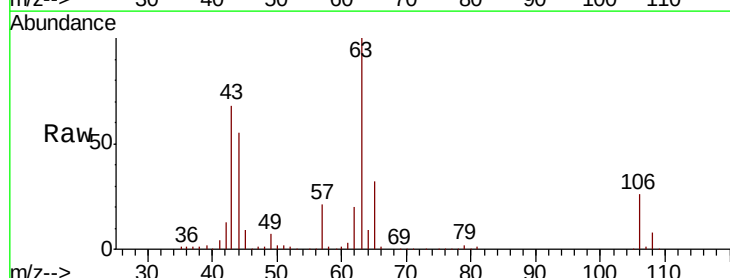
Manual Integrations
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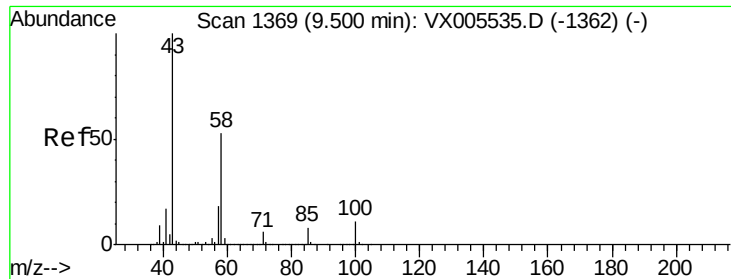
MMDadoda
 10/30/2018 11:11:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.780 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 63 Resp: 201641
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.3 31.9





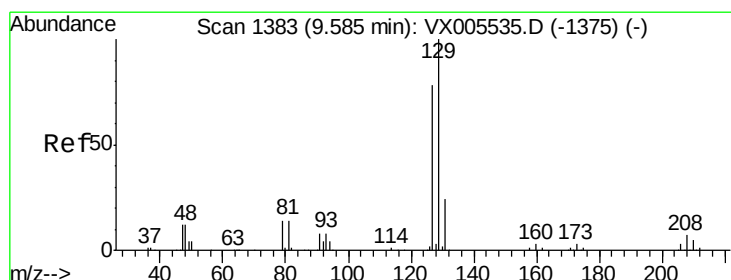
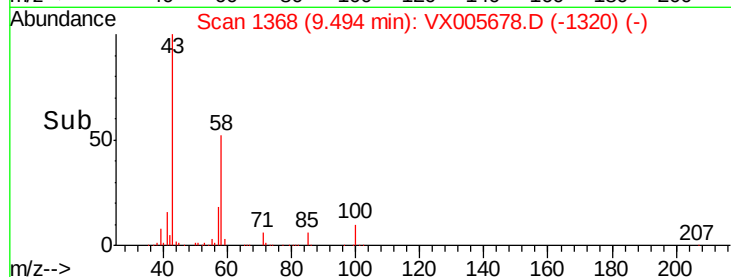
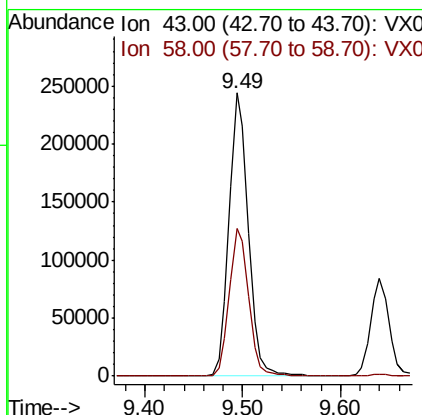
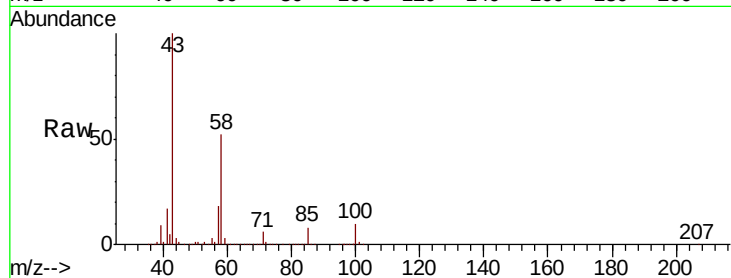
#59
2-Hexanone
Concen: 95.892 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion: 43 Resp: 334293
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

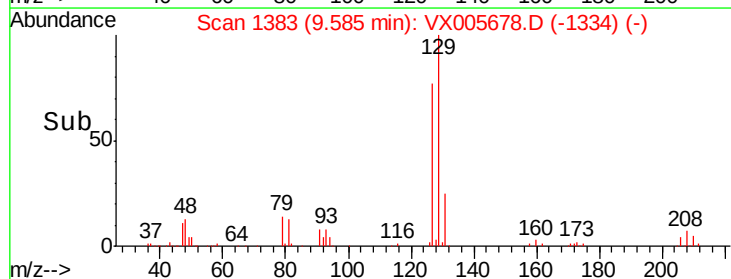
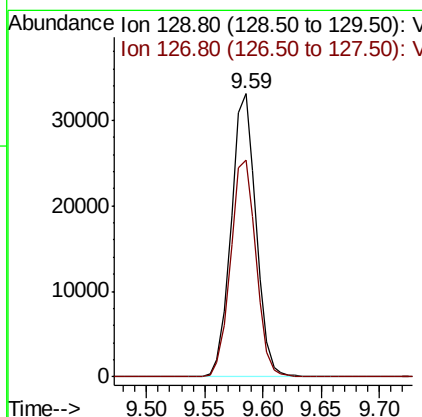
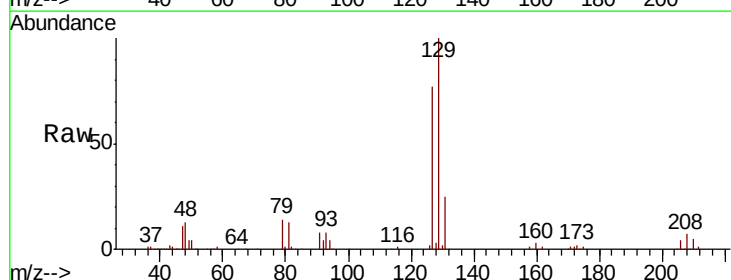
Manual Integrations
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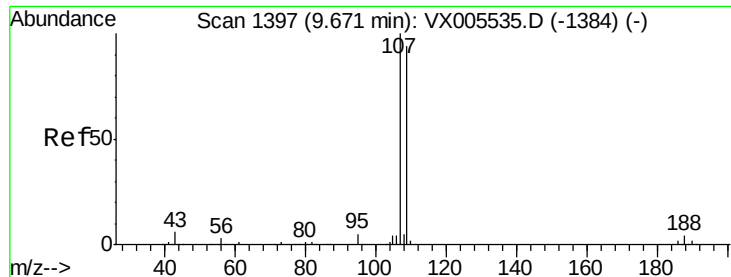
MMDadoda
10/30/2018 11:11:23 AM



#60
Dibromochloromethane
Concen: 18.704 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 129 Resp: 49316
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.523 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 107 Resp: 51040

Ion Ratio Lower Upper

107 100

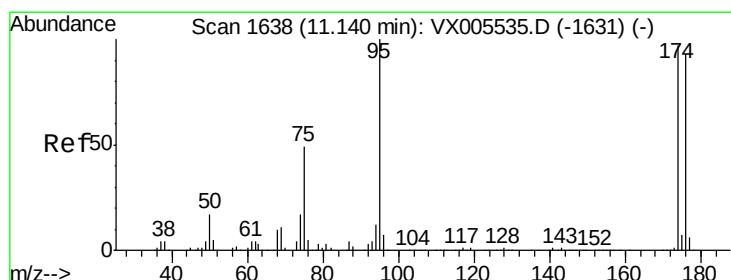
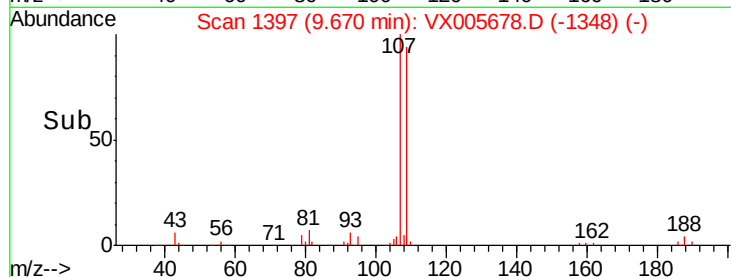
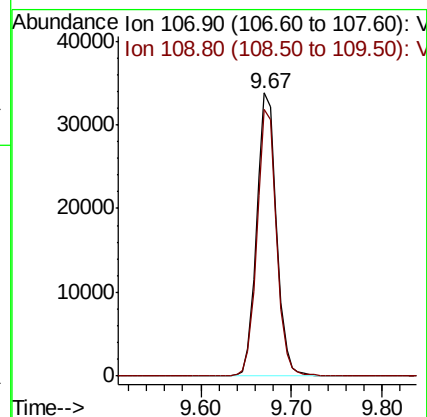
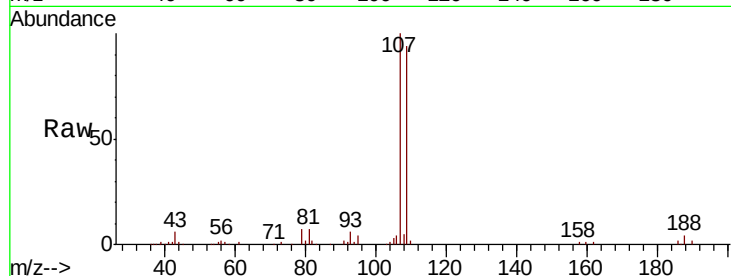
109 93.1 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 46.253 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

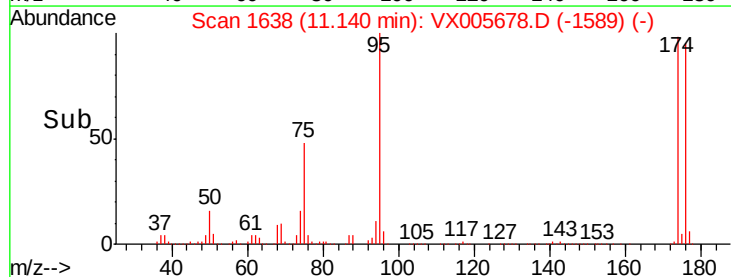
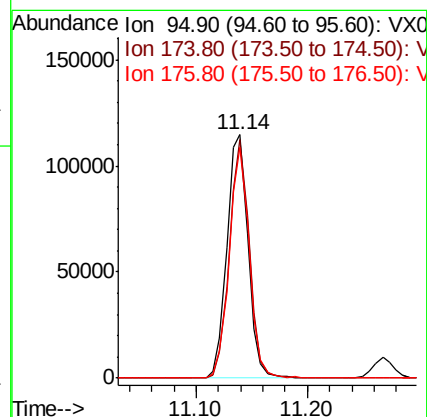
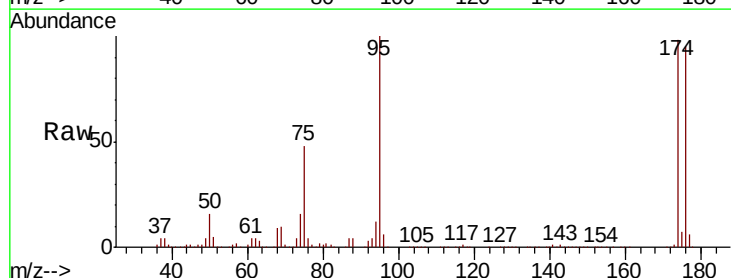
Tgt Ion: 95 Resp: 150666

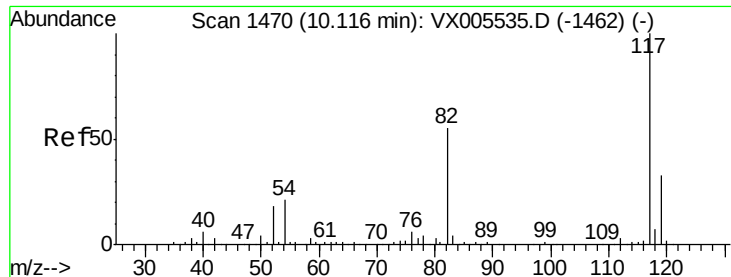
Ion Ratio Lower Upper

95 100

174 92.6 0.0 184.4

176 89.9 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:117 Resp: 322245

Ion Ratio Lower Upper

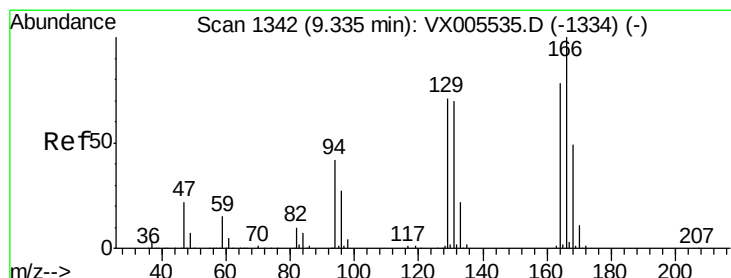
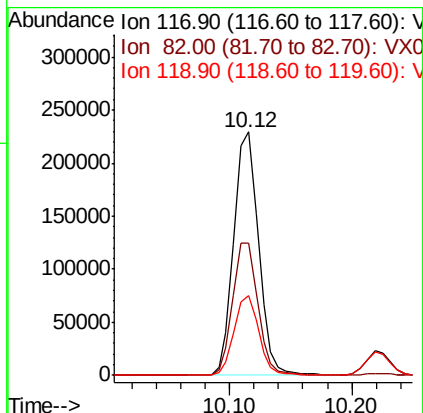
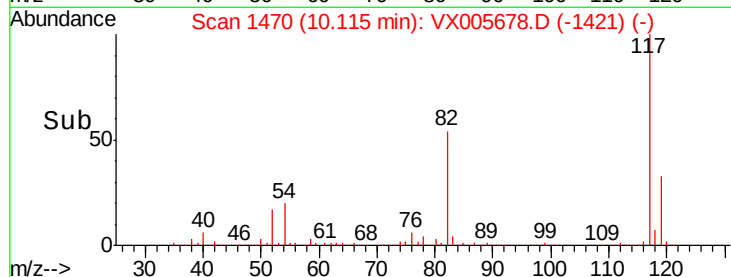
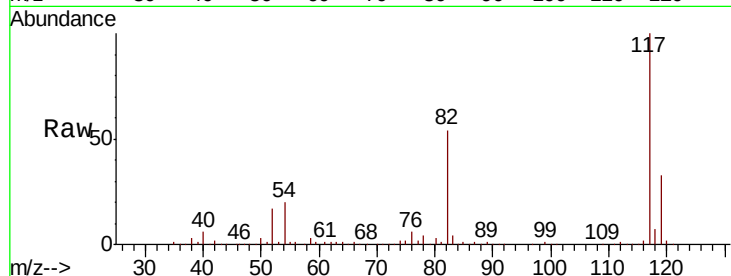
117 100

82 54.3 44.1 66.1

119 32.7 26.2 39.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.806 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:164 Resp: 52982

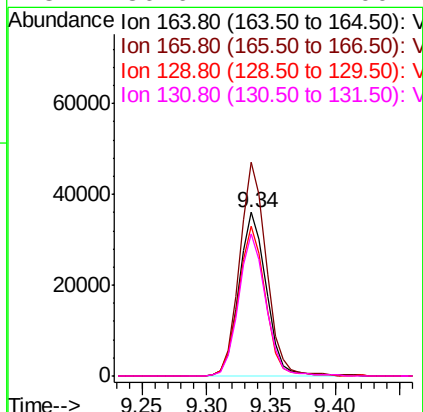
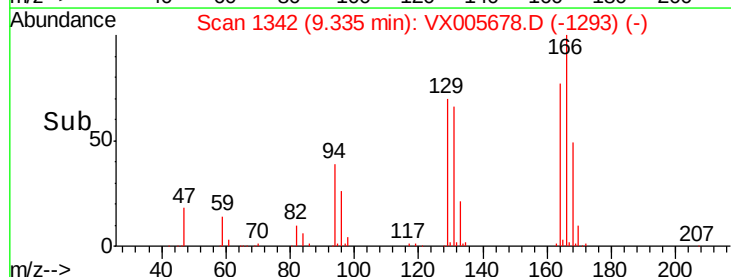
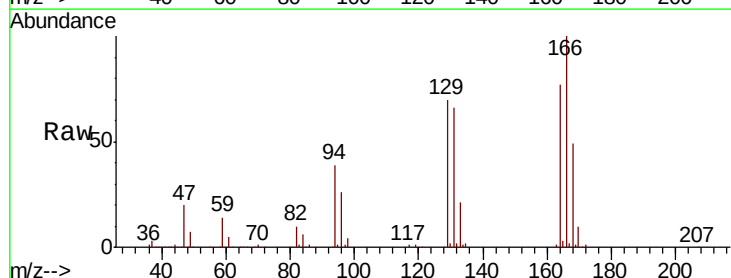
Ion Ratio Lower Upper

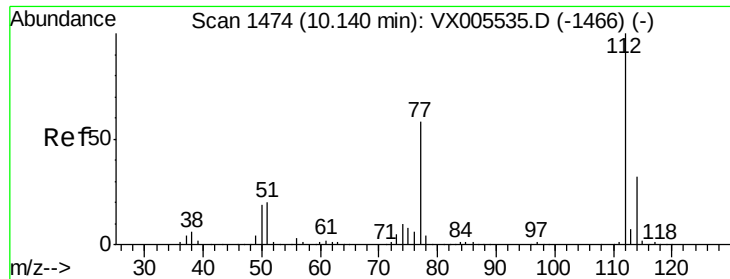
164 100

166 130.6 101.9 152.9

129 91.6 72.6 109.0

131 86.6 71.1 106.7





#65

Chlorobenzene

Concen: 19.239 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:112 Resp: 132015

Ion Ratio Lower Upper

112 100

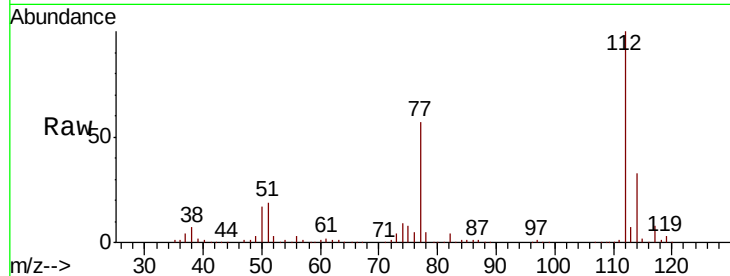
114 32.7 25.8 38.6

Manual Integrations

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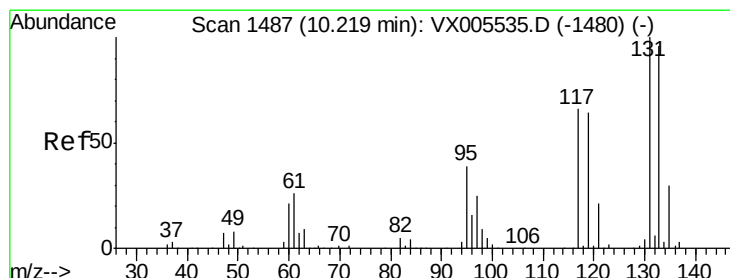
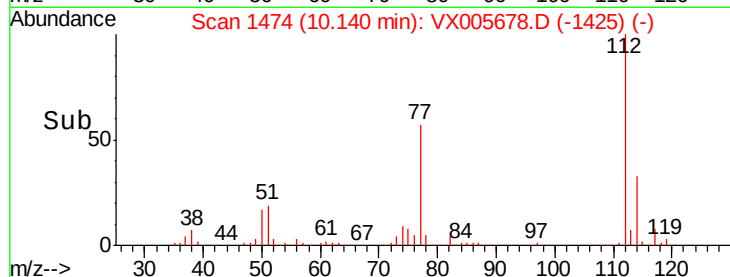
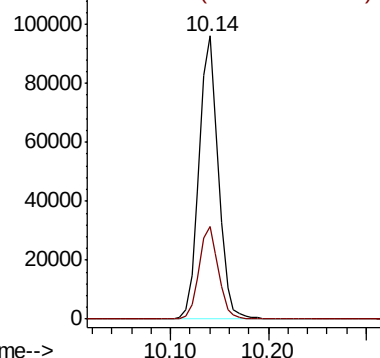
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.923 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

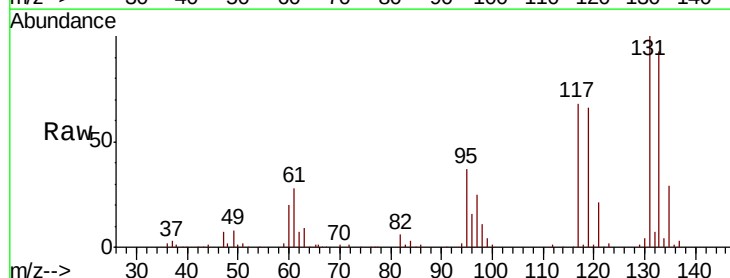
Tgt Ion:131 Resp: 47348

Ion Ratio Lower Upper

131 100

133 96.4 47.5 142.5

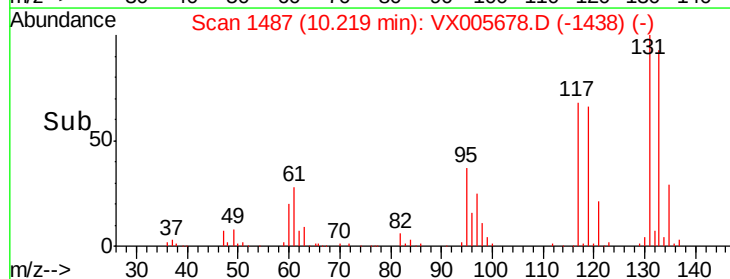
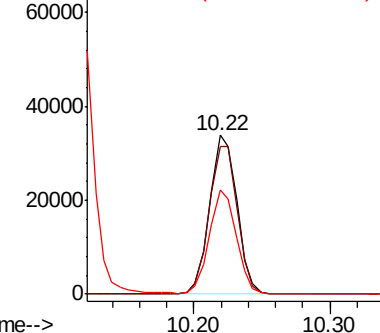
119 64.9 31.8 95.3

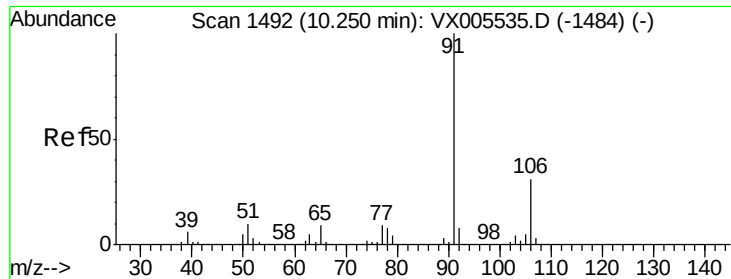


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.625 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 91 Resp: 221570

Ion Ratio Lower Upper

91 100

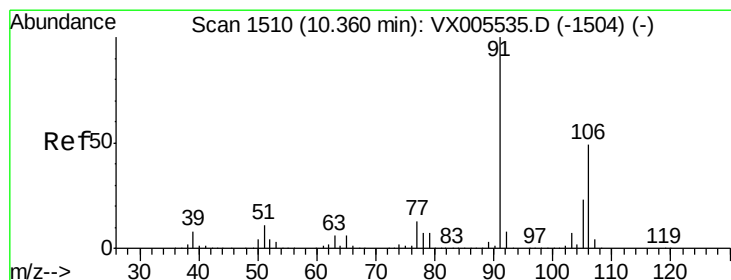
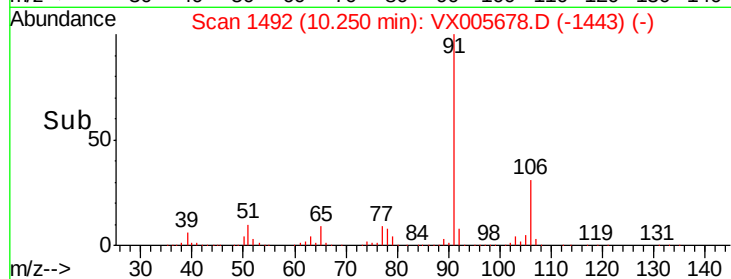
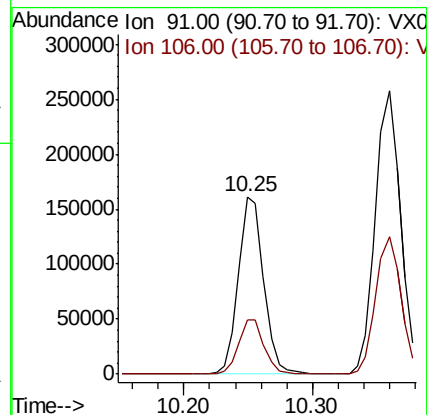
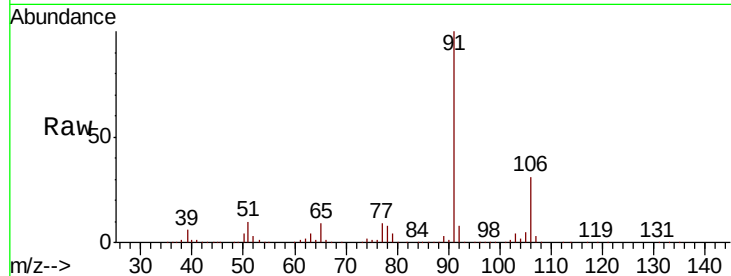
106 30.6 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.276 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005678.D

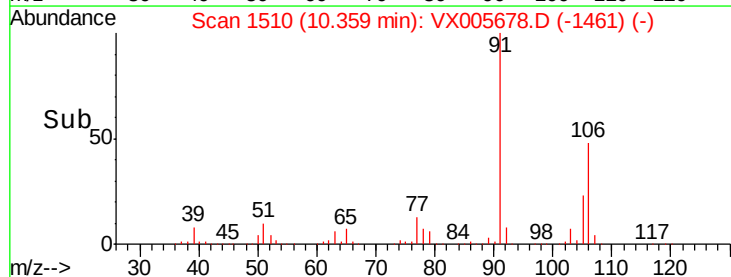
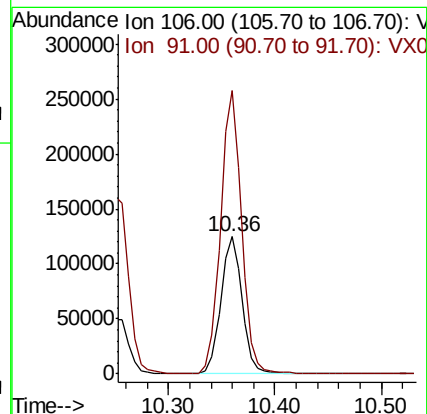
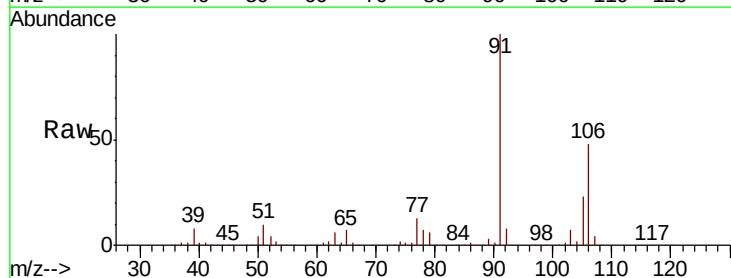
Acq: 30 Oct 2018 00:03

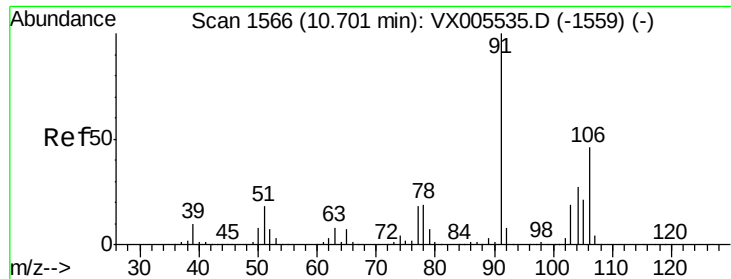
Tgt Ion: 106 Resp: 172035

Ion Ratio Lower Upper

106 100

91 204.8 164.2 246.4





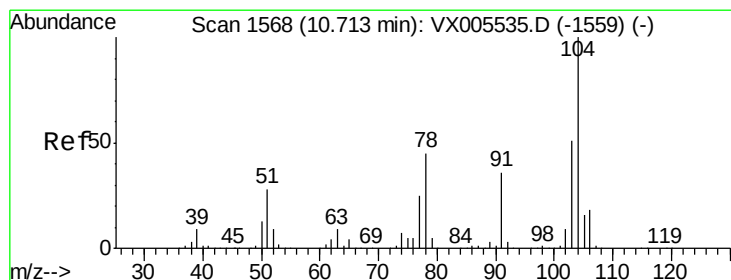
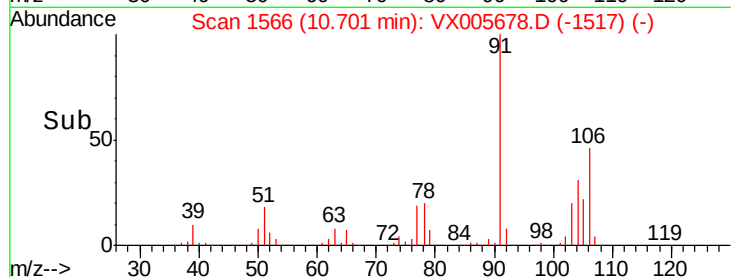
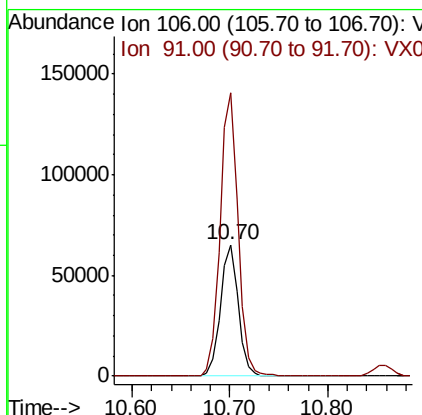
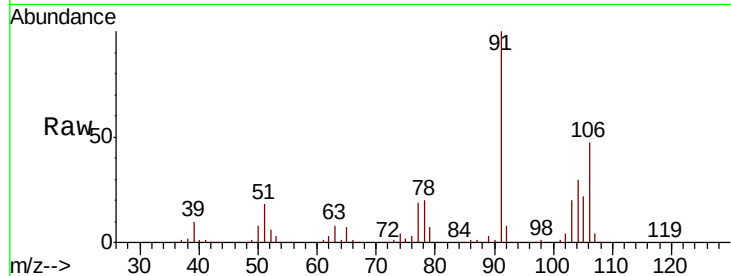
#69
o-Xylene
Concen: 19.978 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion:106 Resp: 82328
Ion Ratio Lower Upper
106 100
91 216.5 108.5 325.5

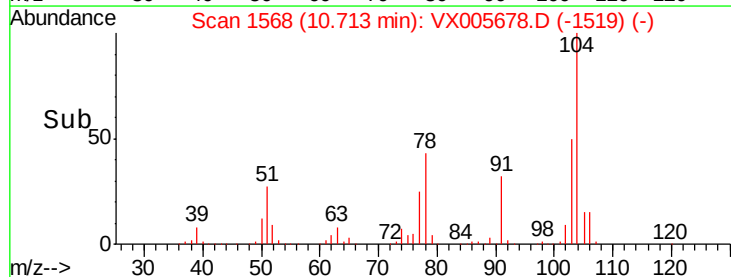
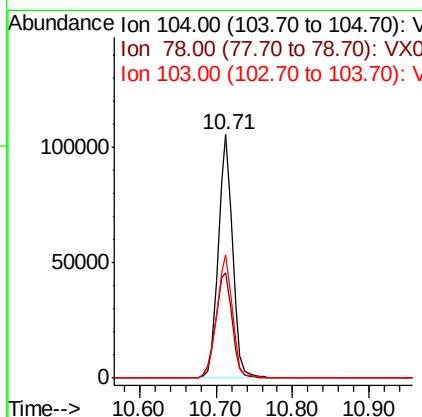
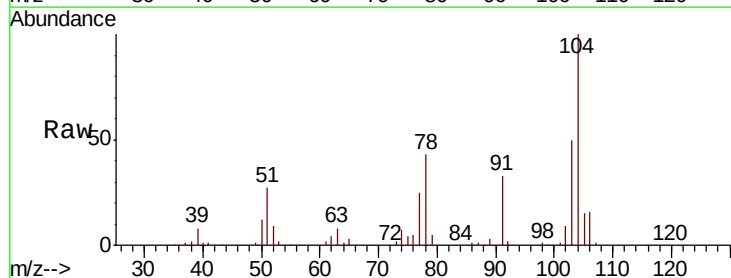
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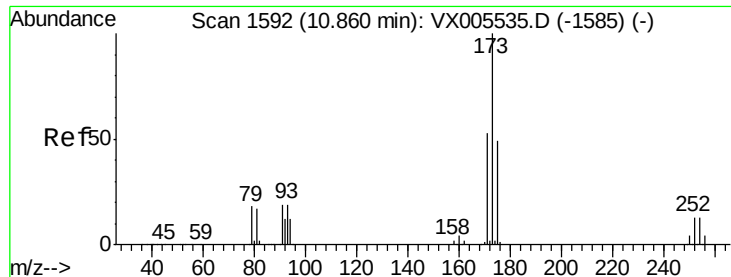
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#70
Styrene
Concen: 19.906 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:104 Resp: 137325
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 55.1 44.9 67.3





#71

Bromoform

Concen: 18.166 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:173 Resp: 40559

Ion Ratio Lower Upper

173 100

175 47.9 24.8 74.3

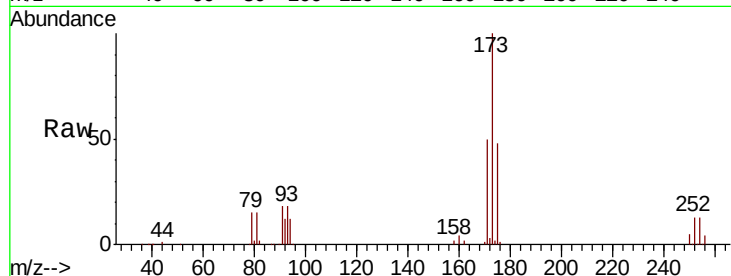
254 0.1 0.2 0.2#

Manual Integrations

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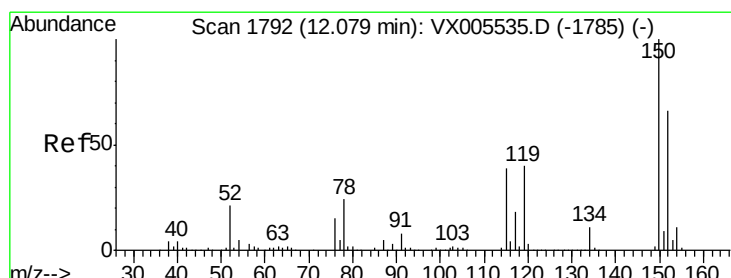
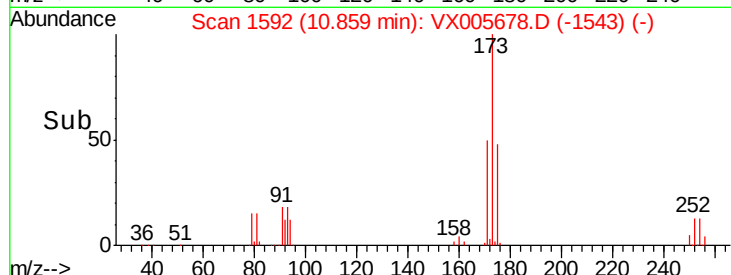
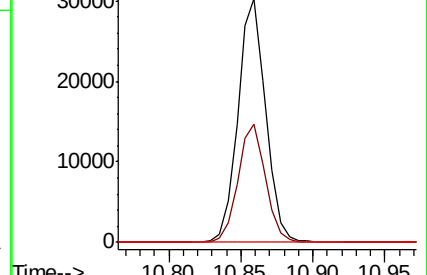
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

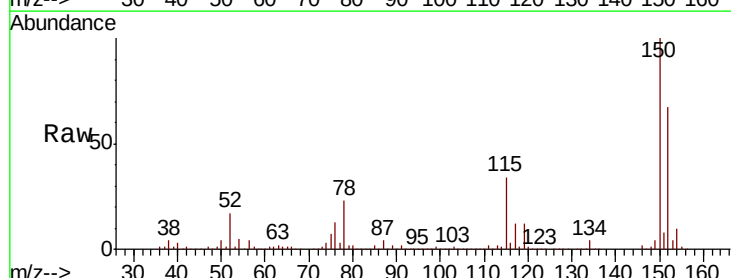
Tgt Ion:152 Resp: 217301

Ion Ratio Lower Upper

152 100

115 62.8 39.4 118.1

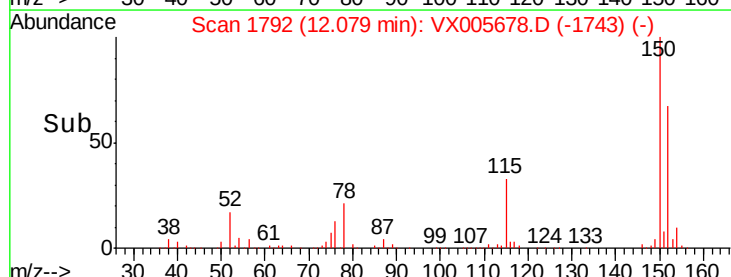
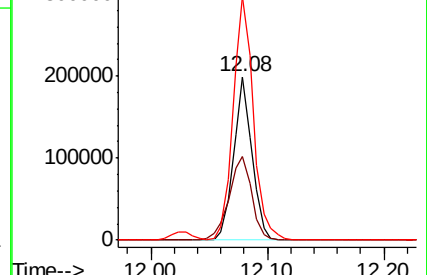
150 163.9 0.0 346.4

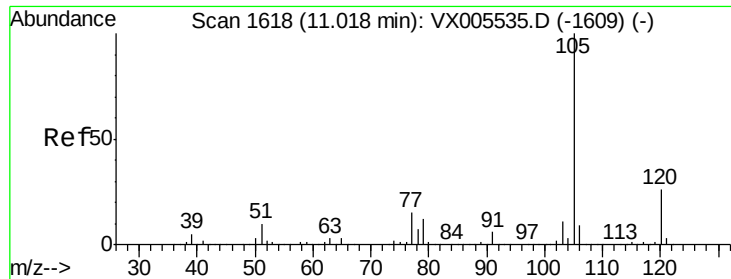


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.521 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 105 Resp: 232735

Ion Ratio Lower Upper

105 100

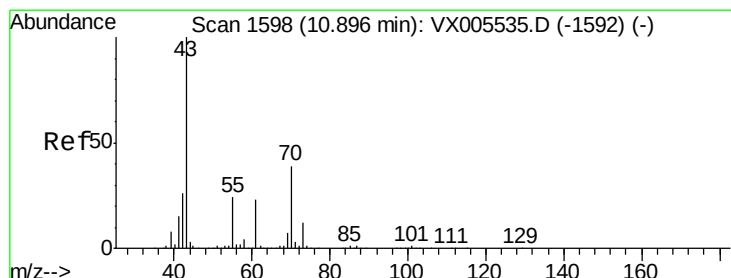
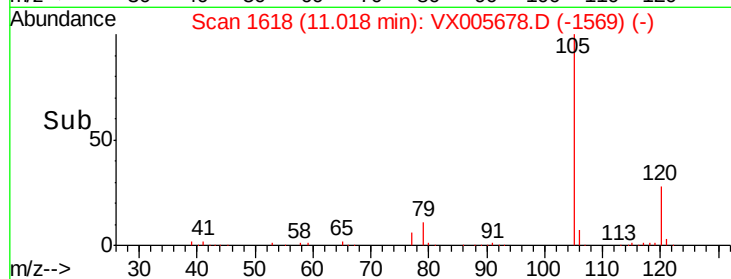
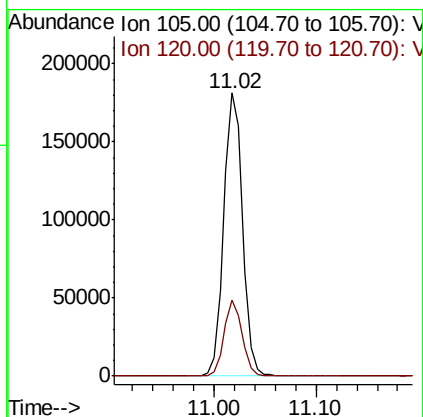
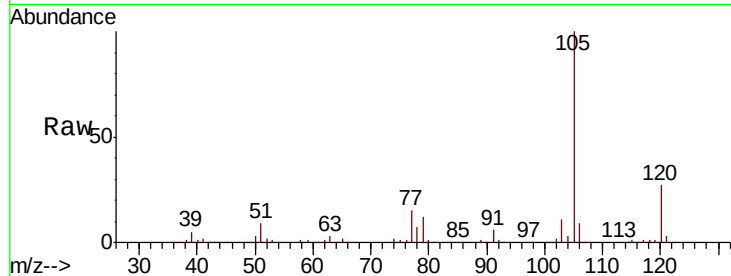
120 25.8 13.1 39.3

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#74

N-ethyl acetate

Concen: 16.026 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion: 43 Resp: 105479

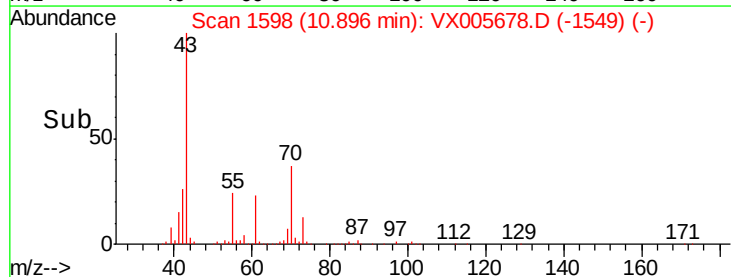
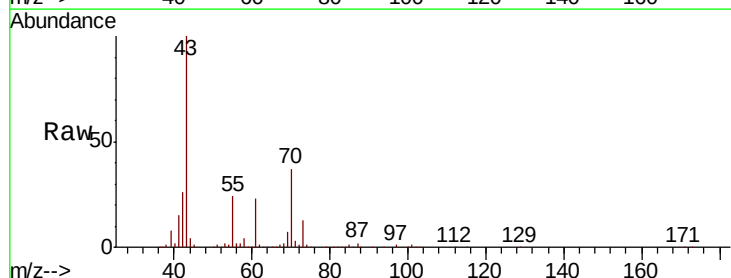
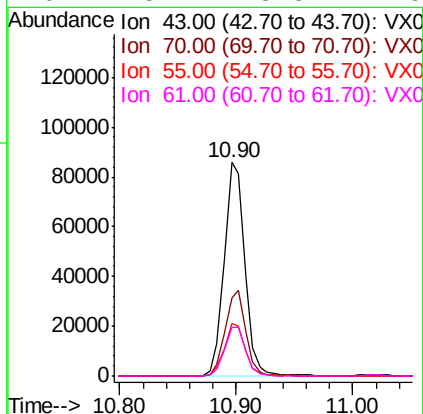
Ion Ratio Lower Upper

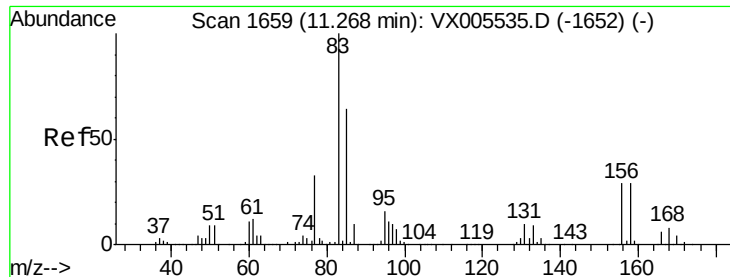
43 100

70 39.9 31.6 47.4

55 24.9 19.7 29.5

61 23.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.416 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

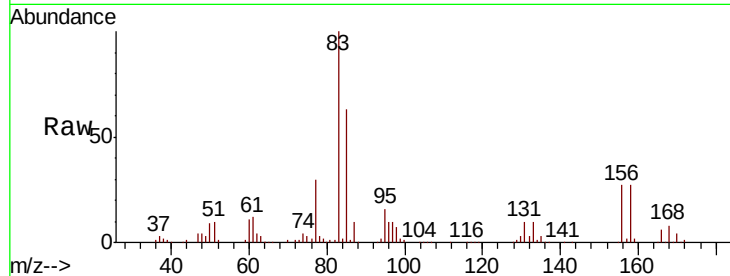
ClientSampleId :

VX1029WBS02

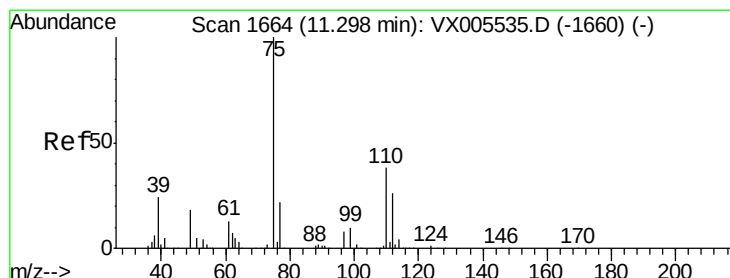
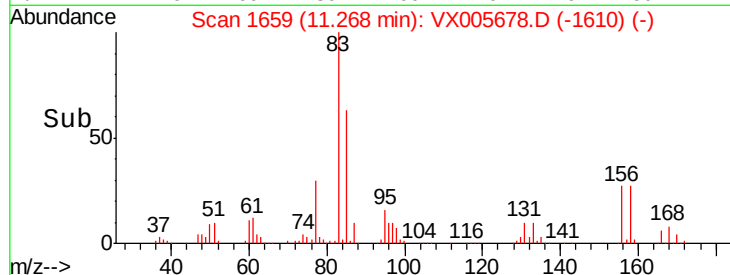
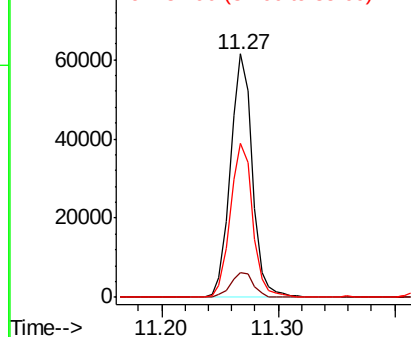
Tot Ion:	83	Resp:	80450
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	65.0	32.0	96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 16.363 ug/l m

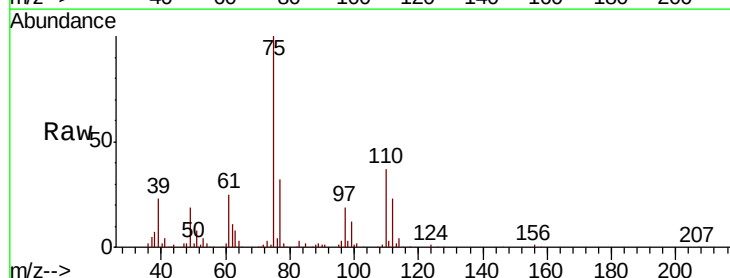
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

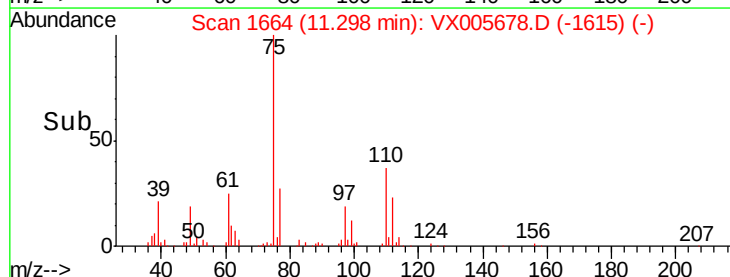
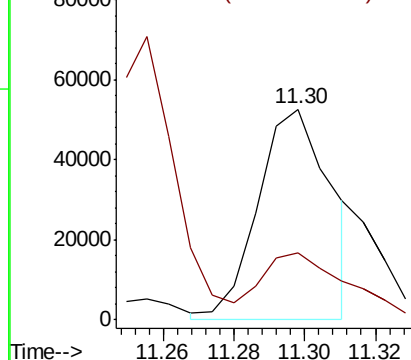
Lab File: VX005678.D

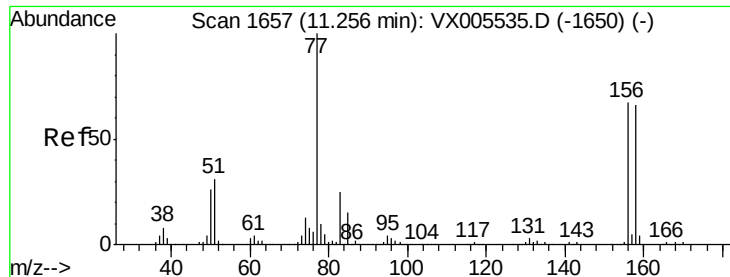
Acq: 30 Oct 2018 00:03

Tgt Ion:	75	Resp:	75335
Ion Ratio	Lower	Upper	
75	100		
77	38.0	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.398 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:156 Resp: 64407

Ion Ratio Lower Upper

156 100

77 142.8 74.8 224.4

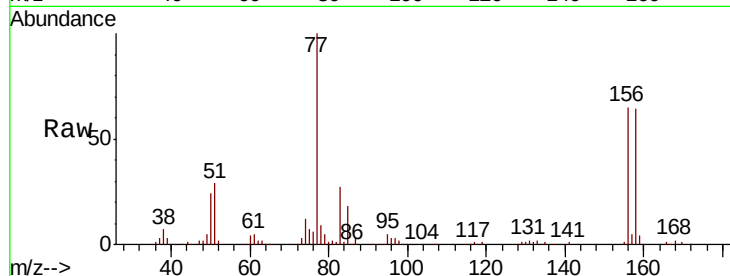
158 93.4 49.1 147.3

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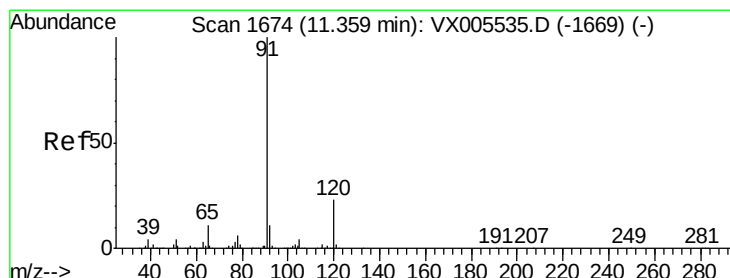
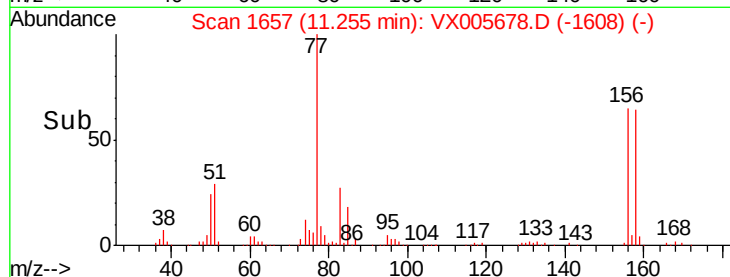
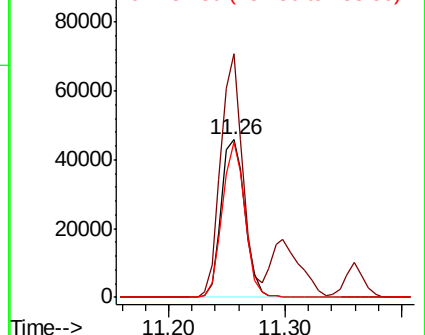
10/30/2018 11:11:23 AM



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



#78

n-propylbenzene

Concen: 17.277 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005678.D

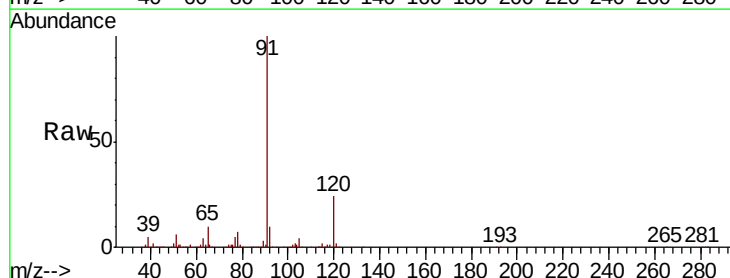
Acq: 30 Oct 2018 00:03

Tgt Ion: 91 Resp: 262425

Ion Ratio Lower Upper

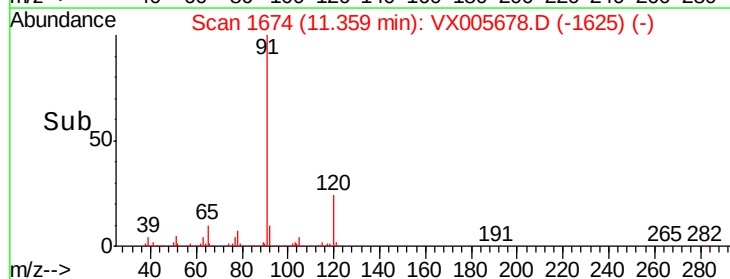
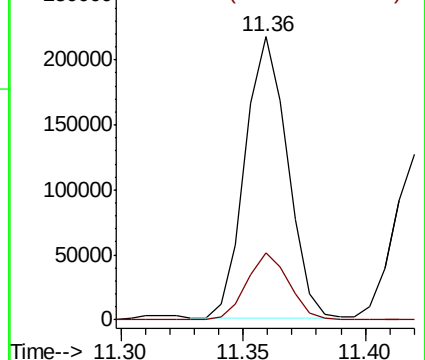
91 100

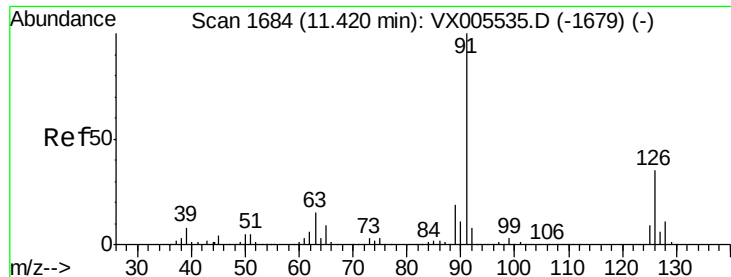
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.404 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion: 91 Resp: 163902

Ion Ratio Lower Upper

91 100

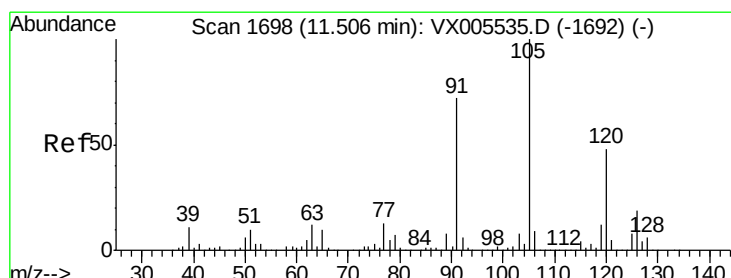
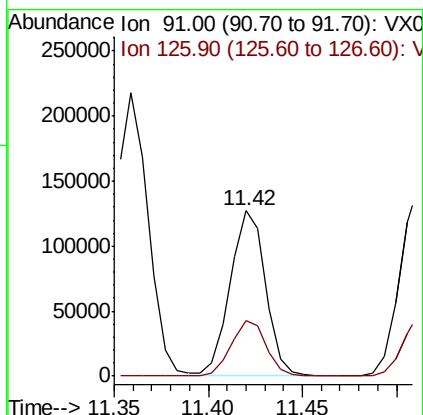
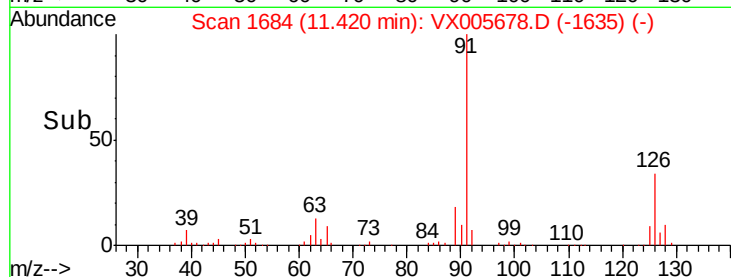
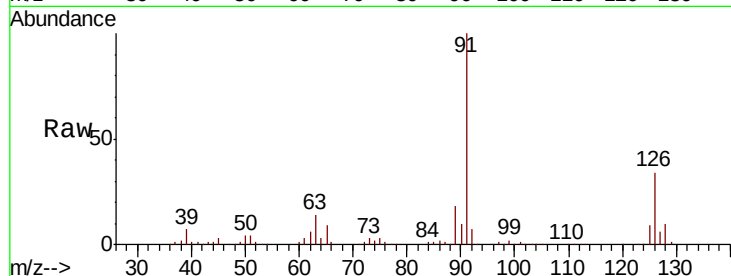
126 33.9 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.892 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005678.D

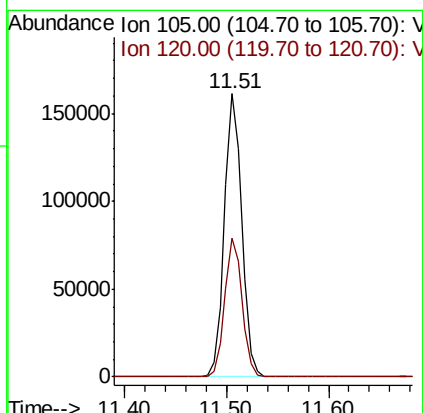
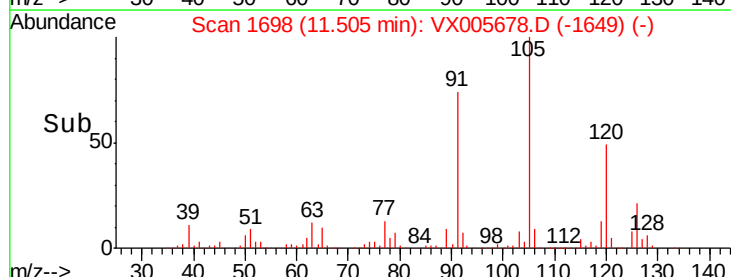
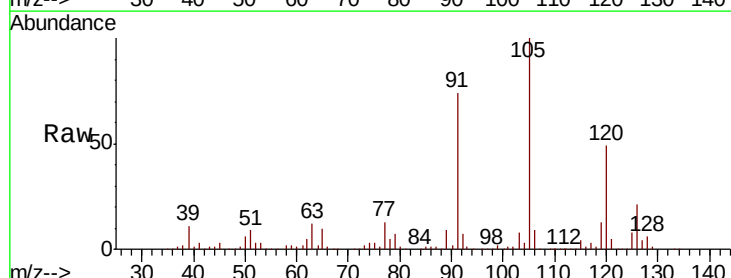
Acq: 30 Oct 2018 00:03

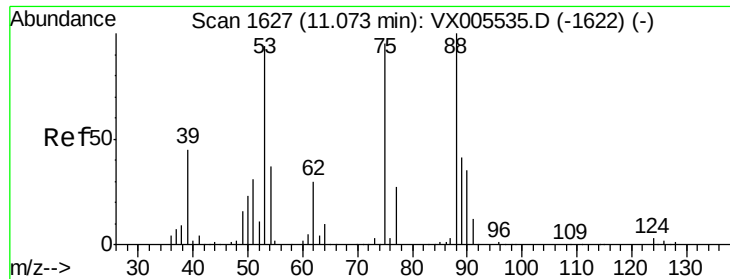
Tgt Ion: 105 Resp: 191946

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





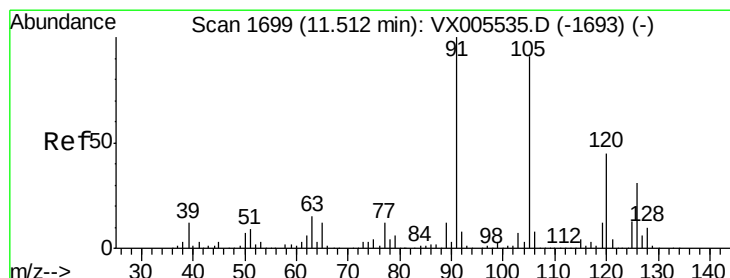
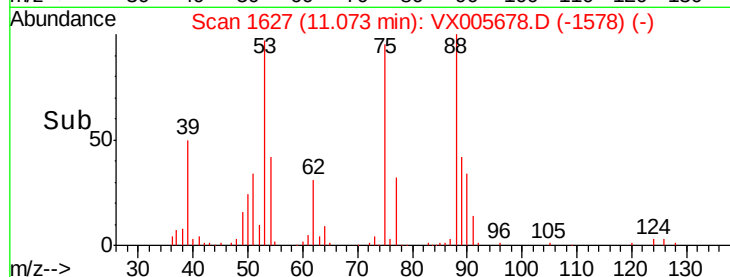
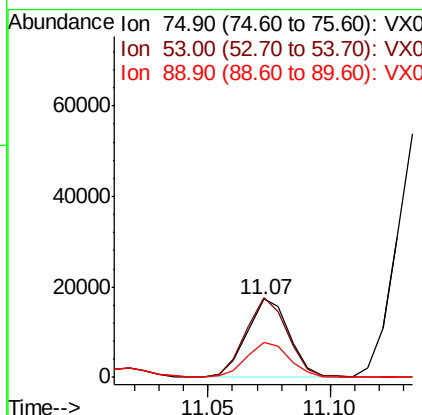
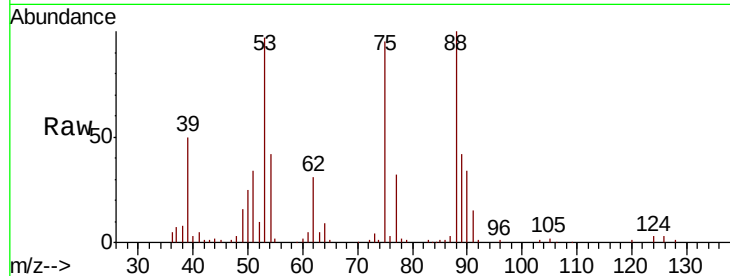
#81
trans-1,4-Dichloro-2-butene
Concen: 14.860 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	80.2	120.2
89	45.5	39.8	59.8

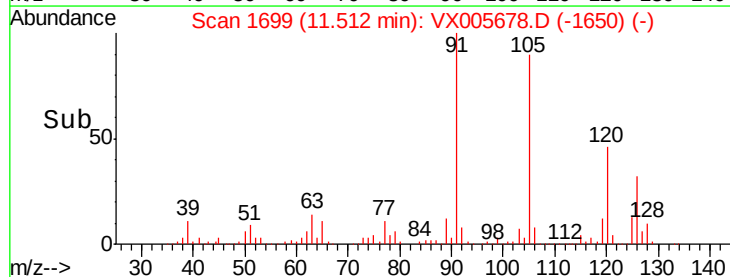
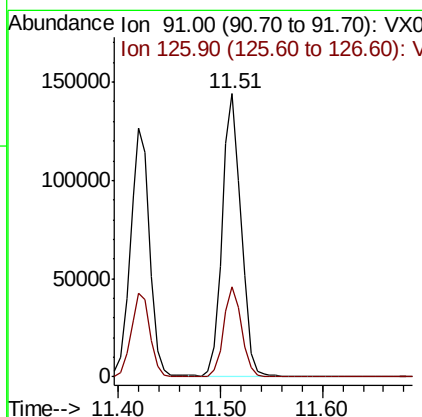
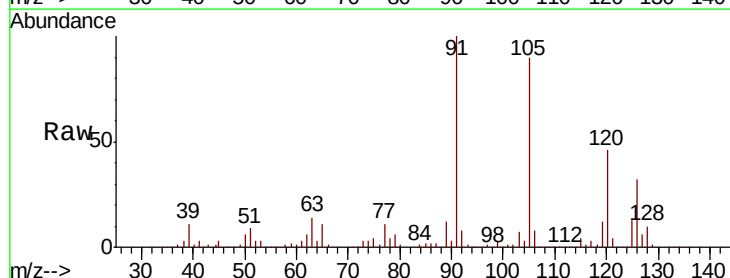
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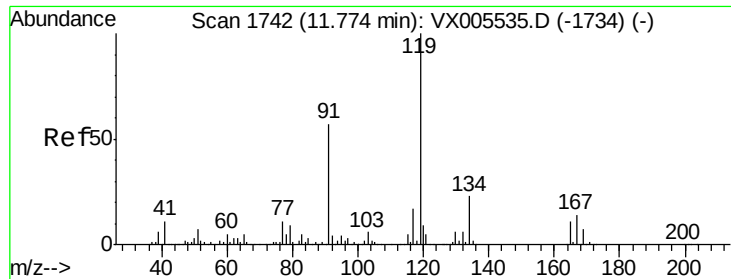
MMDadoda
10/30/2018 11:11:23 AM



#82
4-Chlorotoluene
Concen: 16.750 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.6





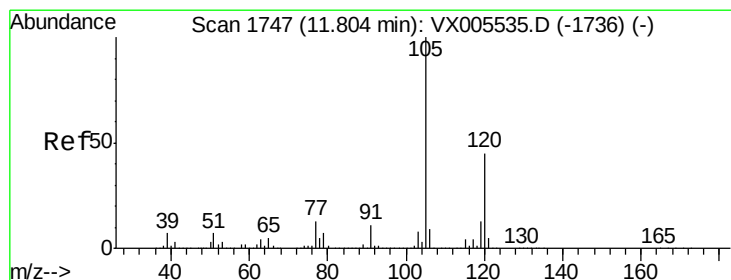
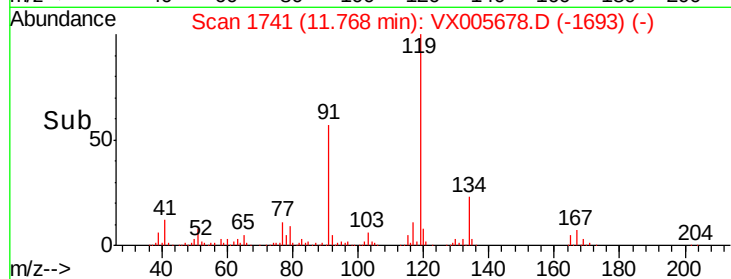
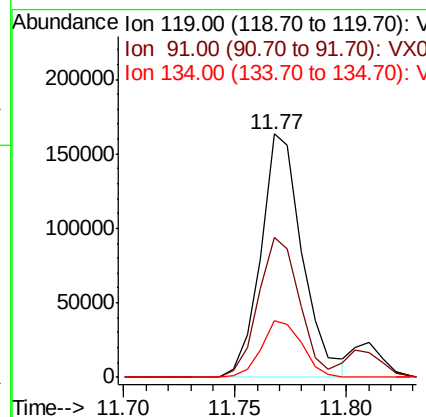
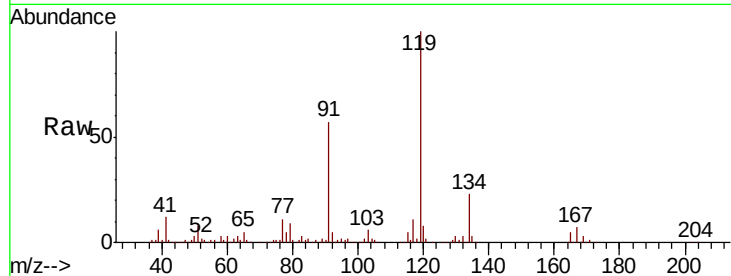
#83
 tert-Butylbenzene
 Concen: 18.784 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212762		
91	56.7	28.5	85.5	
134	22.8	11.3	33.8	

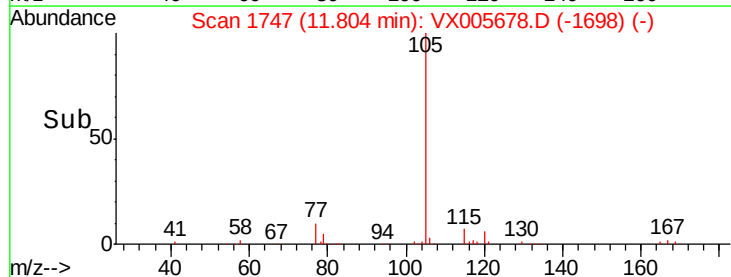
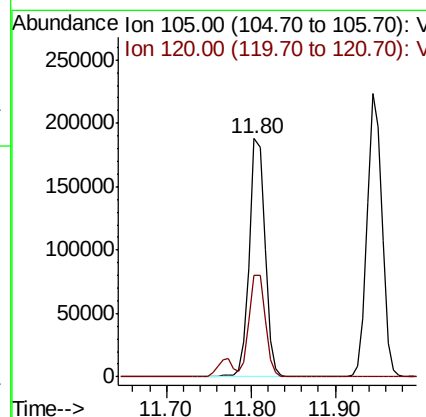
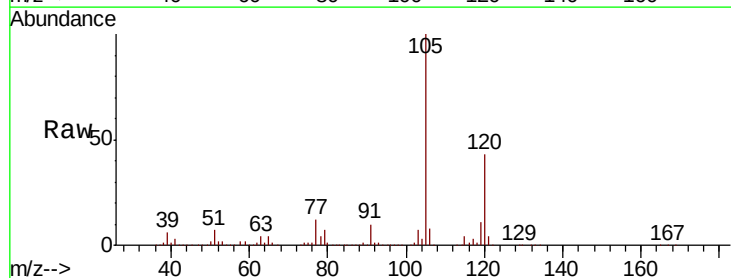
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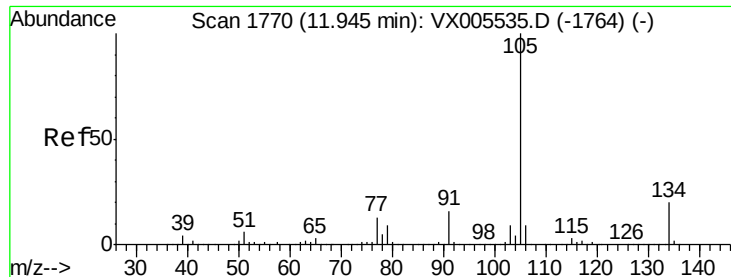
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.063 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231060		
120	44.0	22.4	67.0	





#85

sec-Butylbenzene

Concen: 20.451 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

Tot Ion:105 Resp: 276411

Ion Ratio Lower Upper

105 100

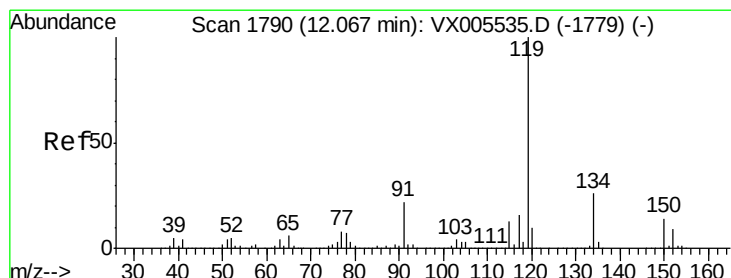
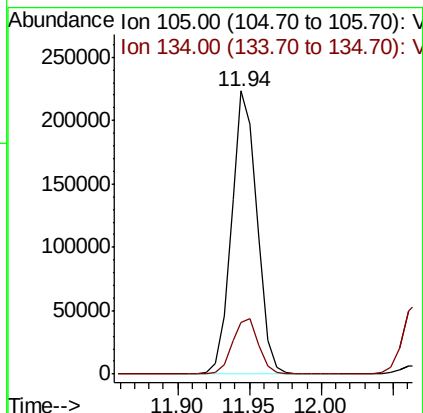
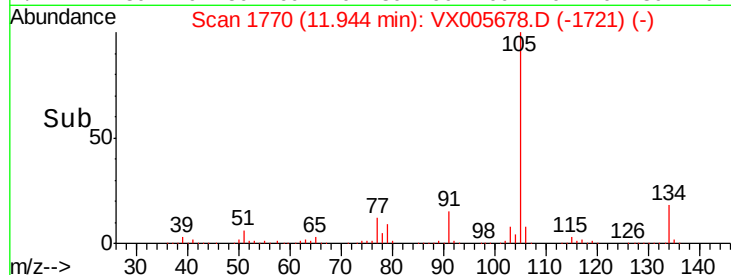
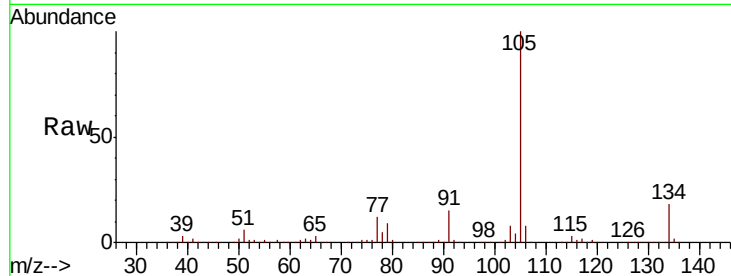
134 20.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.438 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

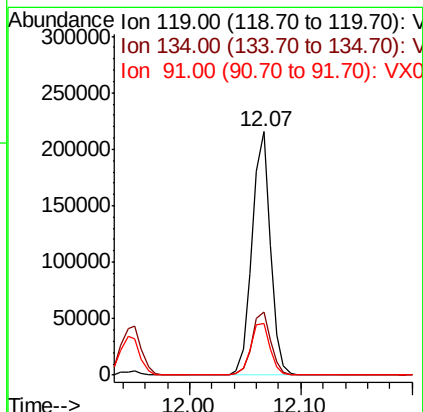
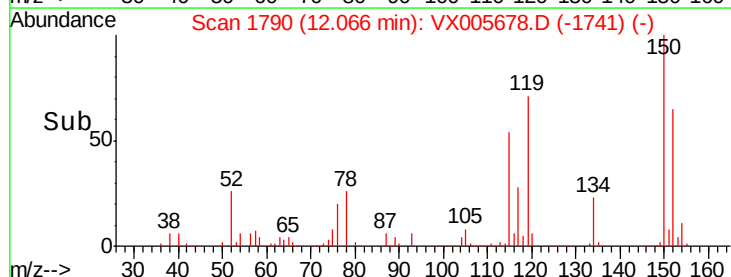
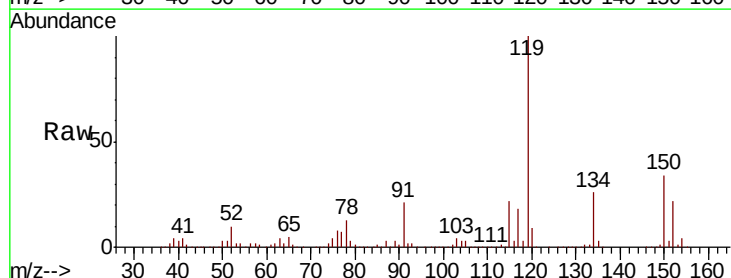
Tgt Ion:119 Resp: 246936

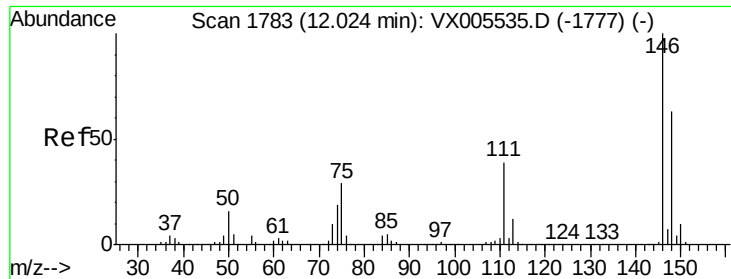
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 22.4 11.4 34.2





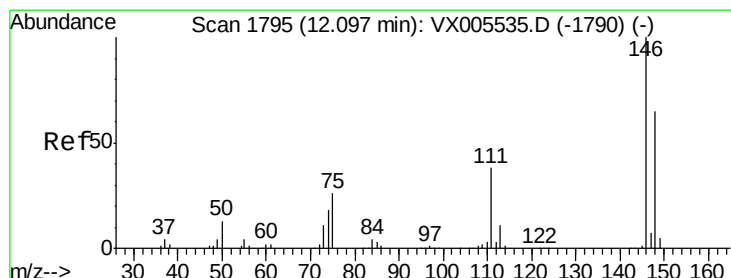
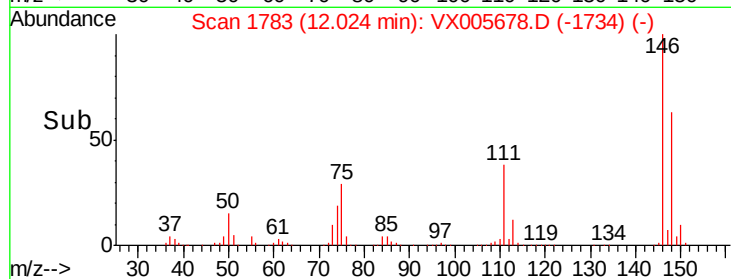
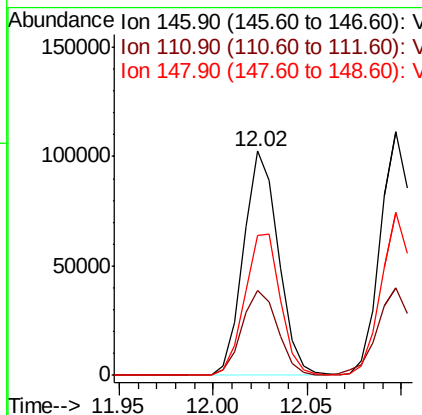
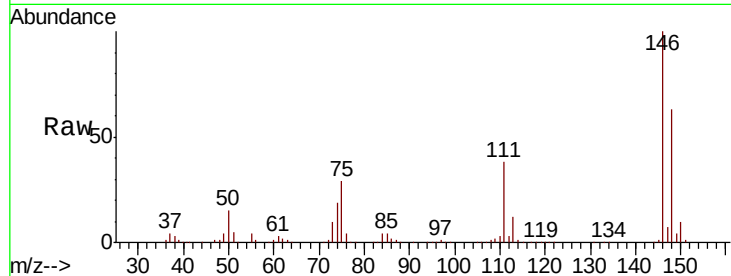
#87
 1,3-Dichlorobenzene
 Concen: 18.945 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.0	57.0
148	64.3	31.9	95.9

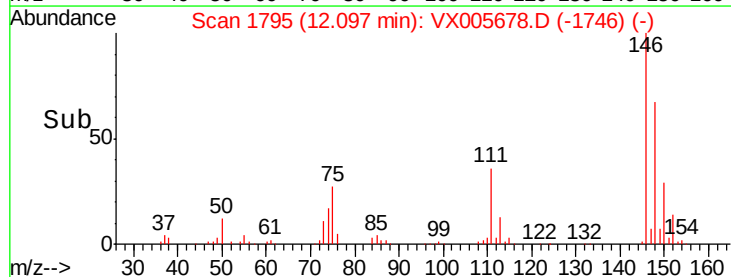
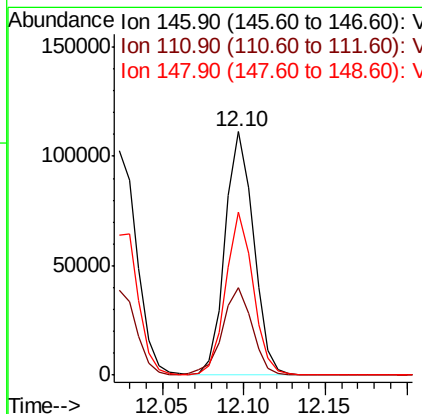
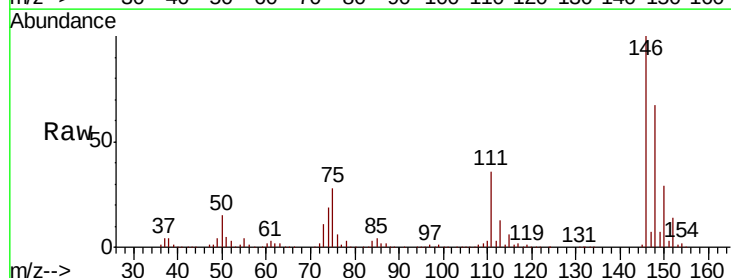
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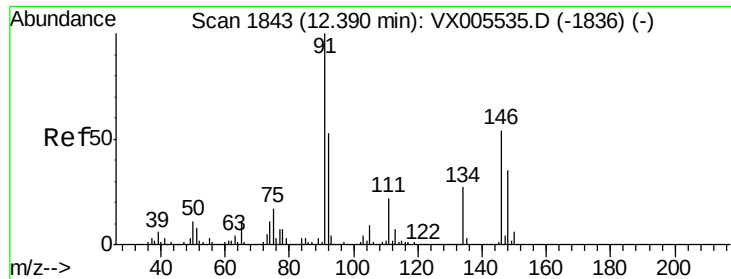
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 10/30/2018 11:11:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.690 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.2	32.1	96.3





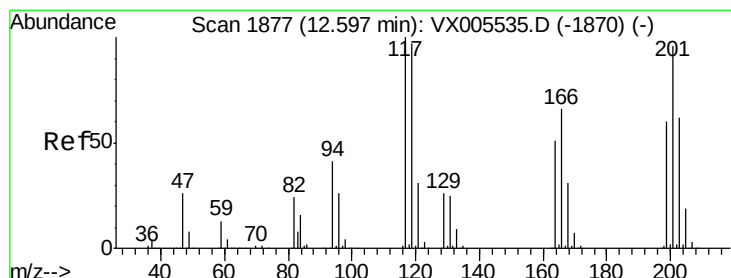
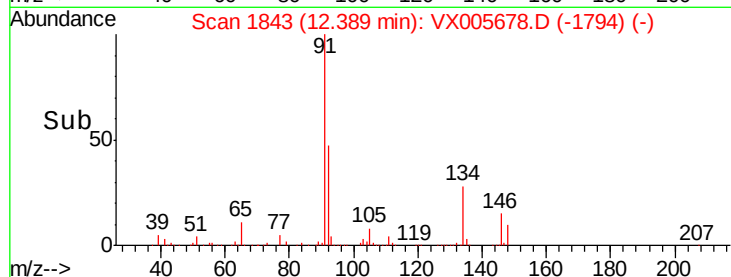
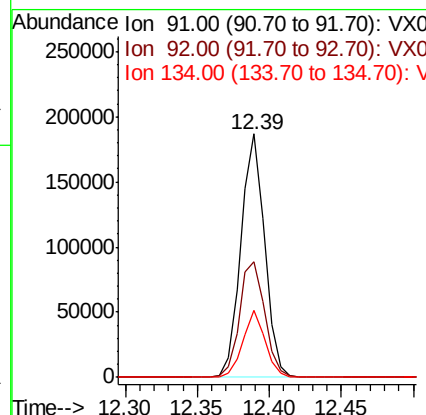
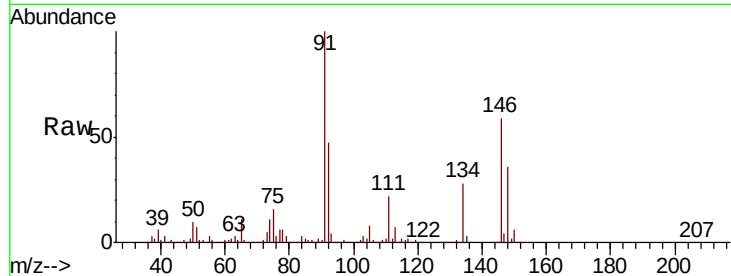
#89
n-Butylbenzene
Concen: 19.761 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.1	78.2
134	25.8	13.1	39.3

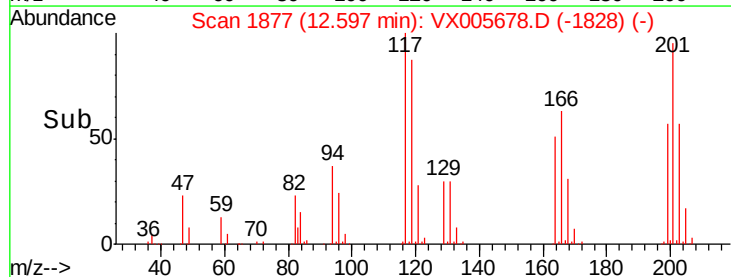
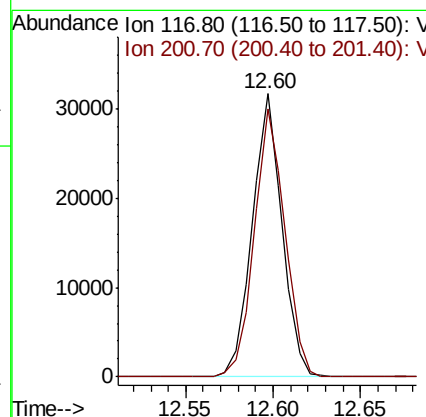
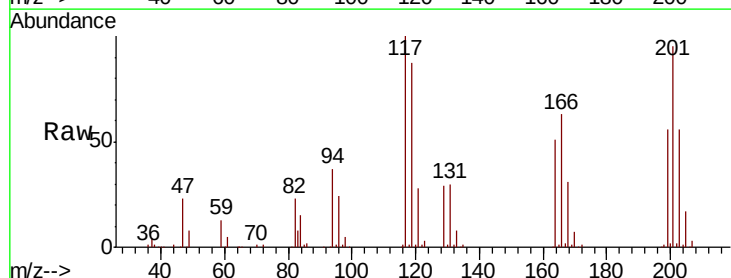
Manual Integrations
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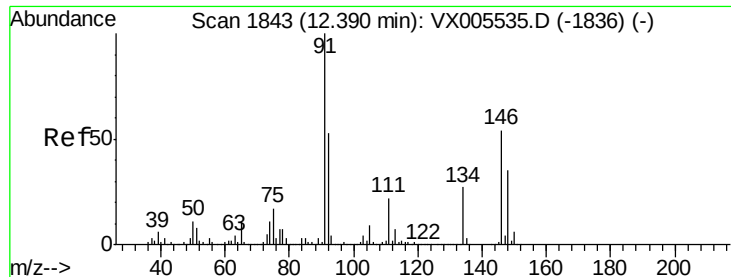
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#90
Hexachloroethane
Concen: 17.848 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	47.9	143.6





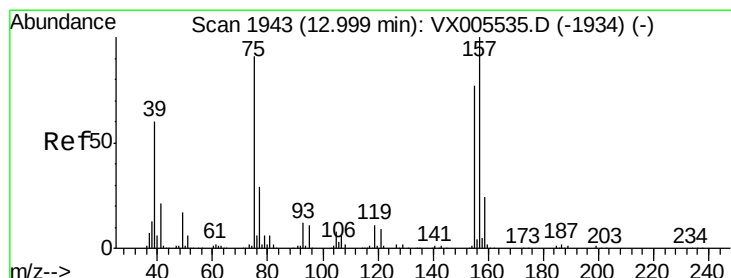
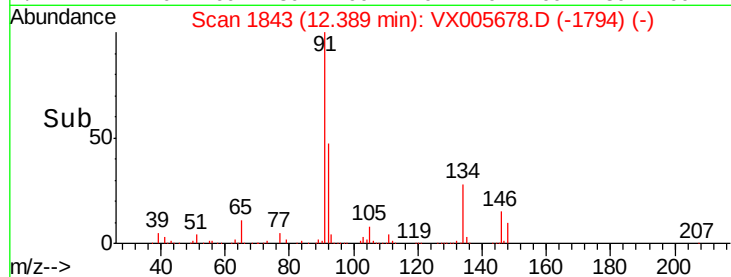
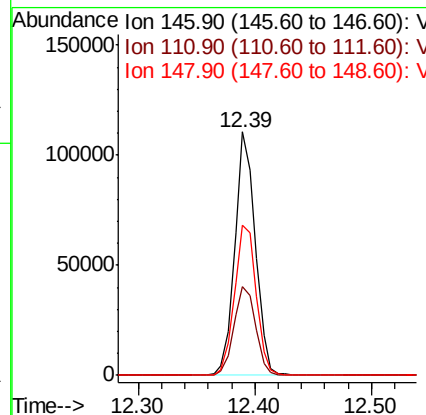
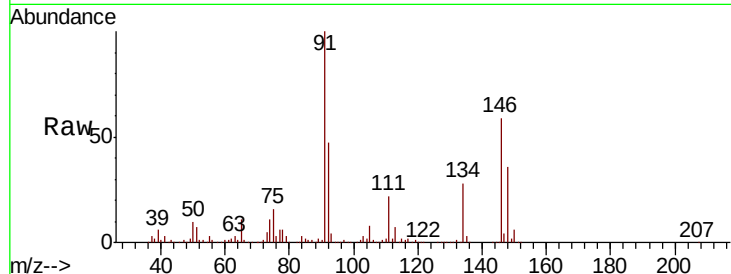
#91
 1,2-Dichlorobenzene
 Concen: 19.182 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	65.8	32.2	96.6

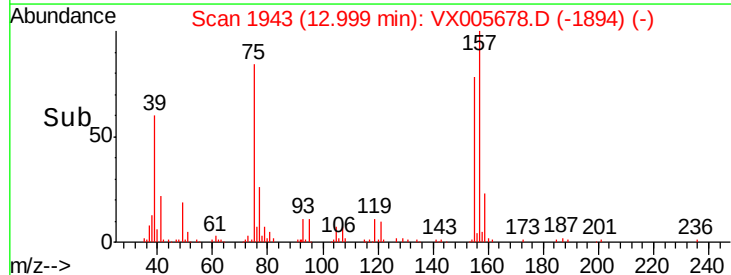
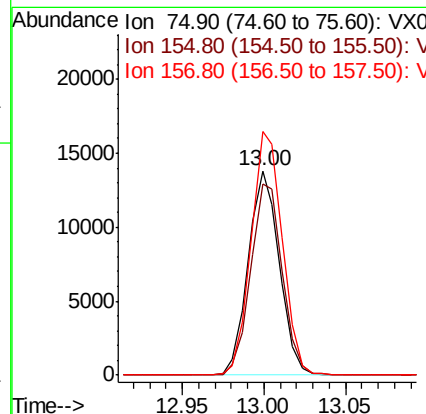
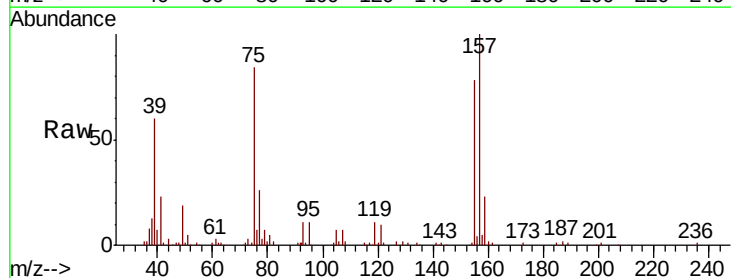
Manual Integrations
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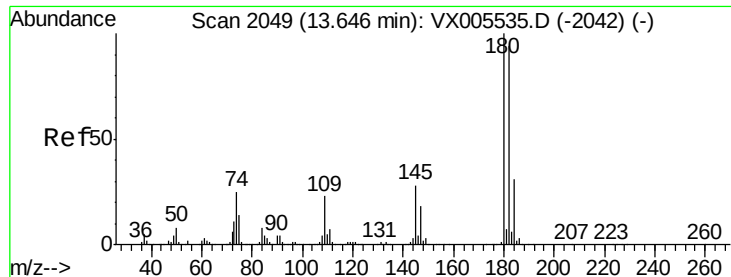
MMDadoda
 10/30/2018 11:11:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.478 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.4	136.1
157	119.7	57.4	172.0





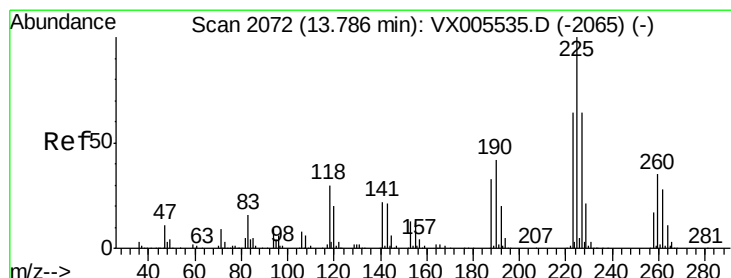
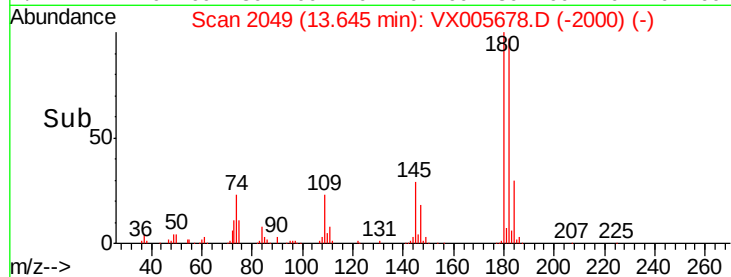
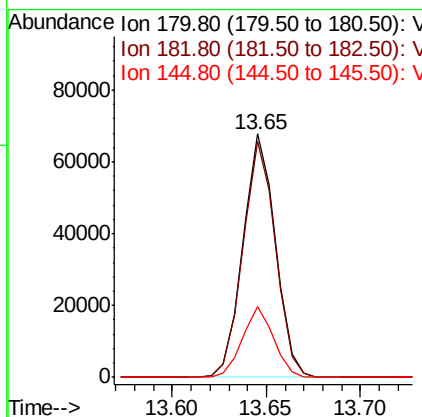
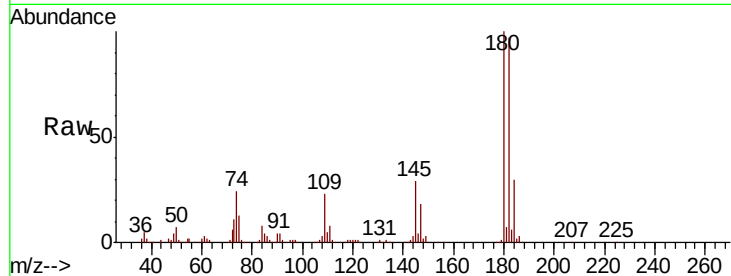
#93
 1,2,4-Trichlorobenzene
 Concen: 15.812 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.6	142.8
145	28.2	14.1	42.2

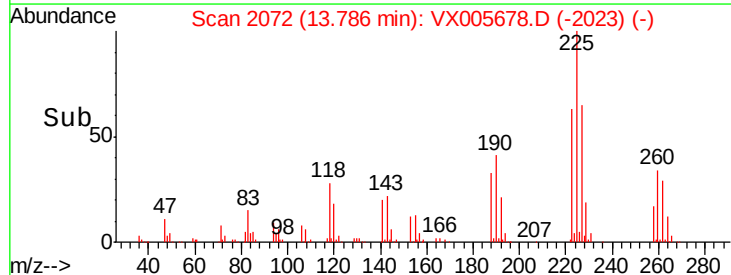
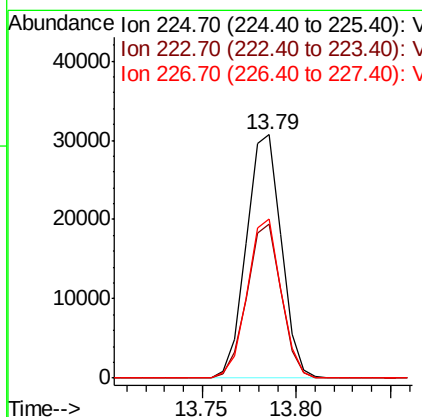
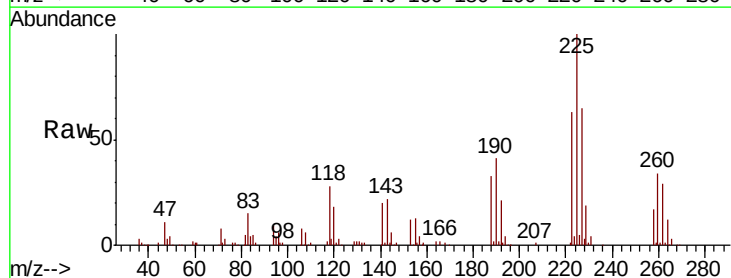
Manual Integrations
 APPROVED

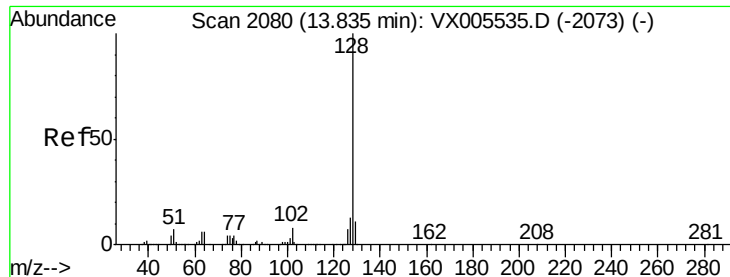
MMDadoda
 10/30/2018 11:11:23 AM



#94
 Hexachlorobutadiene
 Concen: 14.881 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.7	95.1
227	63.5	32.3	96.9





#95

Naphthalene

Concen: 16.859 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

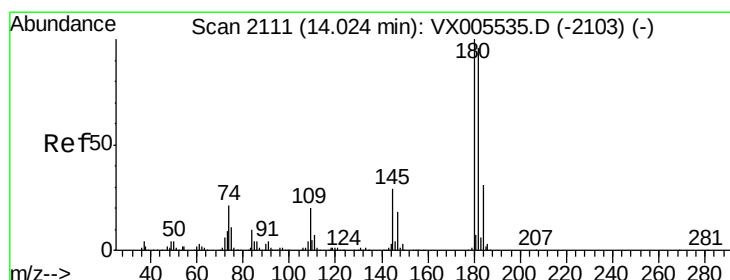
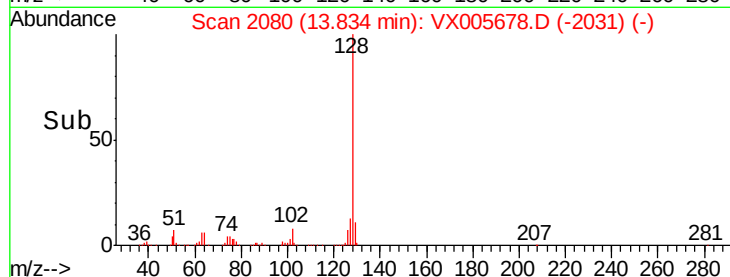
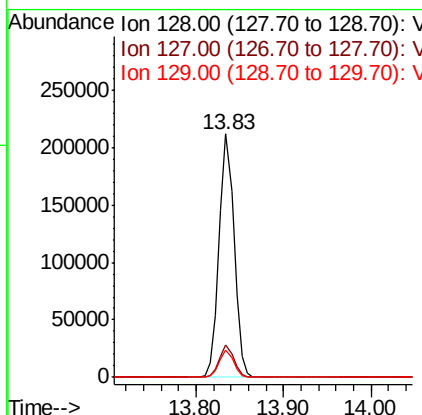
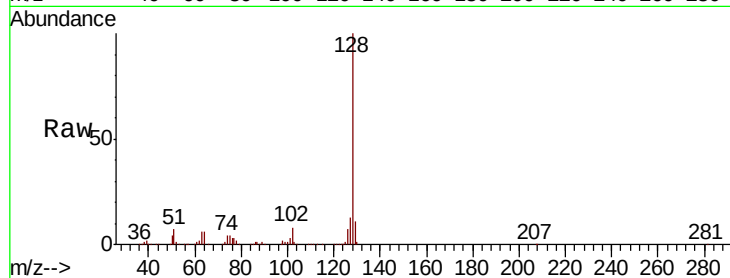
ClientSampleId :

VX1029WBS02

Tot Ion:	128	Resp:	250193
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/30/2018 11:11:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.222 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion:	180	Resp:	83954
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.2
145	30.0	15.1	45.3

