

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102918\
 Data File : VX005654.D
 Acq On : 29 Oct 2018 12:25
 Operator : JC/MD
 Sample : VX1029WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 10:50:45 AM

Quant Time: Oct 30 02:28:35 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	240757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	124270	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	
35) Dibromofluoromethane	5.51	113	101721	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	8.71	98	372274	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.14	95	139997	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56786	23.896	ug/l	91
3) Chloromethane	1.32	50	54959	18.160	ug/l	99
4) Vinyl Chloride	1.41	62	56401	18.954	ug/l	97
5) Bromomethane	1.64	94	32056	17.312	ug/l	98
6) Chloroethane	1.71	64	32638	17.169	ug/l	97
7) Trichlorofluoromethane	1.93	101	76510	18.504	ug/l	92
8) Diethyl Ether	2.19	74	28750	17.423	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	43584	18.371	ug/l	99
10) Methyl Iodide	2.51	142	35032	16.094	ug/l	99
11) Tert butyl alcohol	3.07	59	72188	91.279	ug/l	100
12) 1,1-Dichloroethene	2.37	96	39422	17.443	ug/l	95
13) Acrolein	2.29	56	29543	73.232	ug/l	97
14) Allyl chloride	2.73	41	87734	17.394	ug/l	97
15) Acrylonitrile	3.15	53	152887	86.212	ug/l	99
16) Acetone	2.45	43	148893	95.877	ug/l	100
17) Carbon Disulfide	2.57	76	120645	17.512	ug/l	99
18) Methyl Acetate	2.78	43	72880	18.063	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	143706	17.826	ug/l	97
20) Methylene Chloride	2.85	84	46522	17.887	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	43034	17.440	ug/l	86
22) Diisopropyl ether	3.87	45	157371	17.867	ug/l #	95
23) Vinyl Acetate	3.82	43	720561	92.889	ug/l	99
24) 1,1-Dichloroethane	3.70	63	85242	17.800	ug/l	99
25) 2-Butanone	4.70	43	225922	95.534	ug/l	98
26) 2,2-Dichloropropane	4.57	77	67340	18.214	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	48194	18.117	ug/l	99
28) Bromochloromethane	5.01	49	40304	17.401	ug/l	93
29) Tetrahydrofuran	5.15	42	138804	90.192	ug/l	99
30) Chloroform	5.21	83	79536	17.756	ug/l	97
31) Cyclohexane	5.57	56	74269	18.745	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	75908	19.200	ug/l	94
36) 1,1-Dichloropropene	5.79	75	62314	20.135	ug/l	96
37) Ethyl Acetate	4.85	43	78469	19.869	ug/l	99
38) Carbon Tetrachloride	5.78	117	65834	20.197	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations
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Quant Time: Oct 30 02:28:35 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)
39) Methylcyclohexane	7.46	83	68174	19.949	ug/l	98
40) Benzene	6.14	78	179443	20.227	ug/l	98
41) Methacrylonitrile	5.05	41	43068	19.578	ug/l	99
42) 1,2-Dichloroethane	6.20	62	66133	19.623	ug/l	99
43) Isopropyl Acetate	6.46	43	112650	19.035	ug/l	95
44) Trichloroethene	7.21	130	47028	19.458	ug/l	100
45) 1,2-Dichloropropane	7.51	63	46539	19.512	ug/l	100
46) Dibromomethane	7.66	93	30762	19.969	ug/l	99
47) Bromodichloromethane	7.90	83	58319	19.506	ug/l	96
48) Methyl methacrylate	7.77	41	55911	19.393	ug/l	99
49) 1,4-Dioxane	7.75	88	25167	399.453	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	380027	95.550	ug/l	100
52) Toluene	8.79	92	107415	19.922	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	63318	19.595	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	70611	20.296	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	43955	19.336	ug/l	98
56) Ethyl methacrylate	9.18	69	64694	19.080	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73827	19.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	179464	94.768	ug/l	99
59) 2-Hexanone	9.49	43	304746	97.181	ug/l	100
60) Dibromochloromethane	9.59	129	46593	19.645	ug/l	97
61) 1,2-Dibromoethane	9.67	107	46342	19.706	ug/l	100
64) Tetrachloroethene	9.34	164	47921	19.576	ug/l	98
65) Chlorobenzene	10.14	112	120471	19.185	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	44395	19.389	ug/l	100
67) Ethyl Benzene	10.25	91	203443	19.692	ug/l	99
68) m/p-Xylenes	10.36	106	157588	39.315	ug/l	99
69) o-Xylene	10.70	106	75179	19.936	ug/l	100
70) Styrene	10.71	104	124850	19.777	ug/l	99
71) Bromoform	10.86	173	38147	18.670	ug/l #	100
73) Isopropylbenzene	11.02	105	210713	20.345	ug/l	99
74) N-amyl acetate	10.90	43	95161	18.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	70867	18.547	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	68638m	19.120	ug/l	
77) Bromobenzene	11.26	156	56286	19.500	ug/l	99
78) n-propylbenzene	11.36	91	243786	20.585	ug/l	99
79) 2-Chlorotoluene	11.42	91	144493	19.678	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	181337	20.467	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20967	19.084	ug/l	97
82) 4-Chlorotoluene	11.51	91	170430	19.684	ug/l	99
83) tert-Butylbenzene	11.77	119	175202	19.838	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	185647	20.675	ug/l	100
85) sec-Butylbenzene	11.94	105	214036	20.310	ug/l	100
86) p-Isopropyltoluene	12.07	119	194933	20.692	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	105197	19.381	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	108026	19.067	ug/l	99
89) n-Butylbenzene	12.39	91	170434	20.040	ug/l	100
90) Hexachloroethane	12.60	117	31624	19.463	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	105358	19.186	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17568	19.015	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

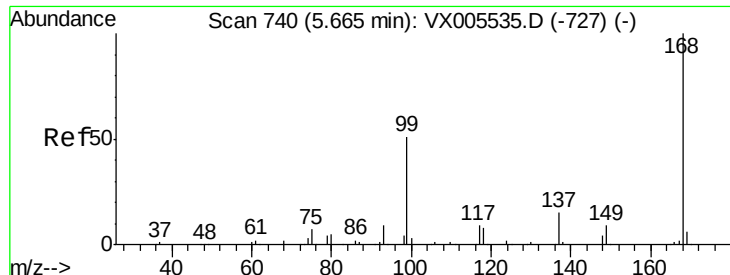
Manual Integrations
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10/30/2018 10:50:45 AM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	78983	19.841	ug/l	99
94) Hexachlorobutadiene	13.79	225	40470	19.618	ug/l	99
95) Naphthalene	13.83	128	230672	19.935	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	81166	20.114	ug/l	99

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



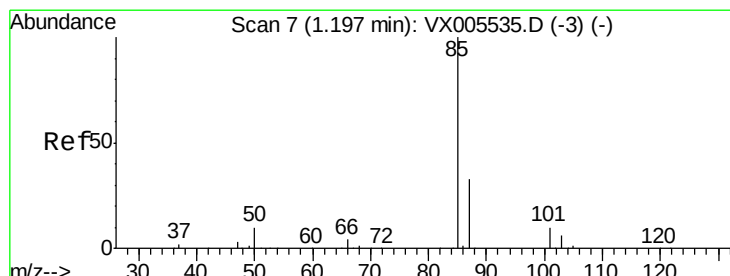
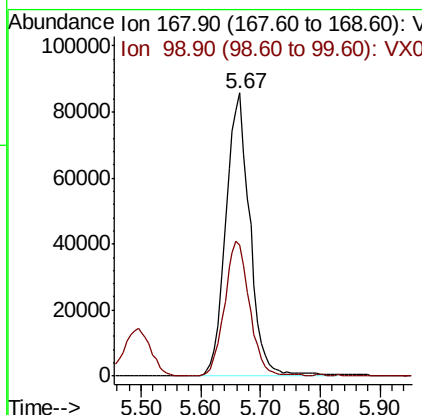
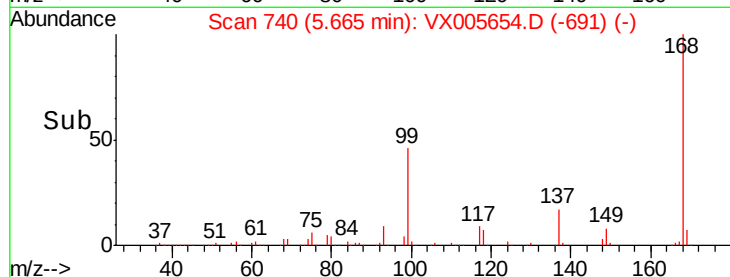
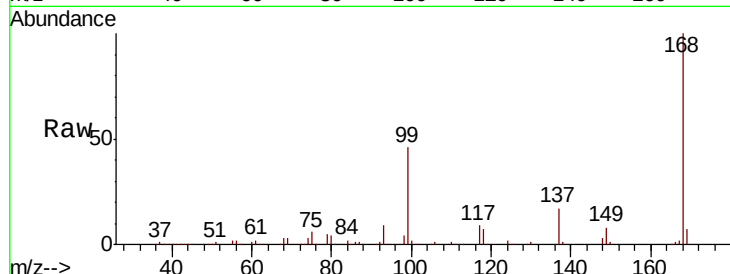
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.2	40.7	61.1

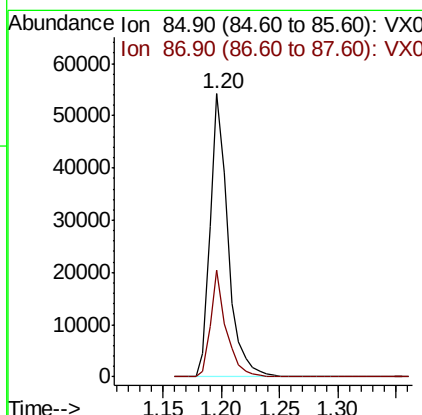
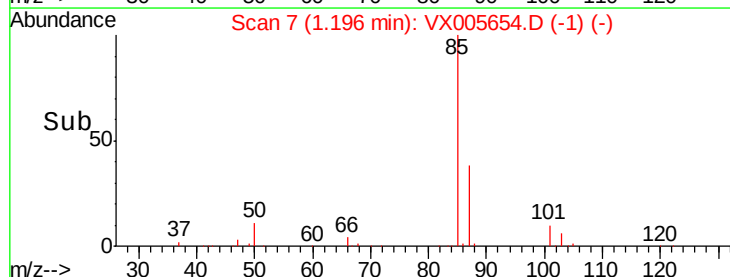
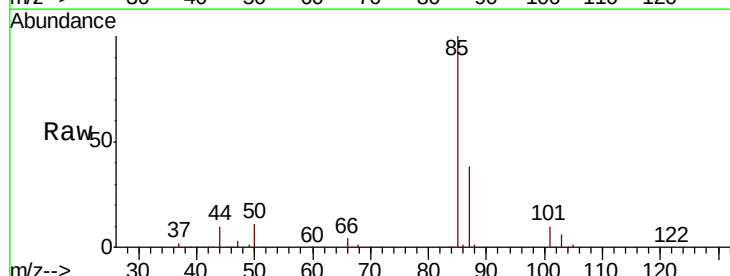
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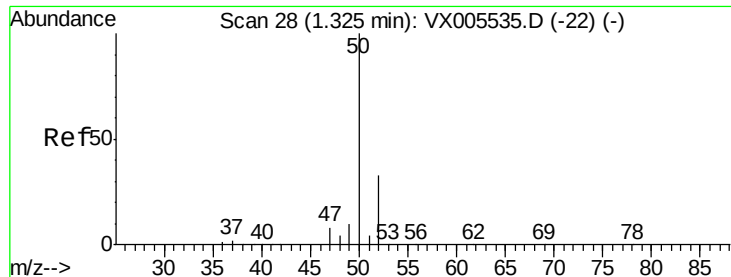
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#2
Dichlorodifluoromethane
Concen: 23.896 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	37.6	16.3	48.9





#3

Chloromethane

Concen: 18.160 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 50 Resp: 54959

Ion Ratio Lower Upper

50 100

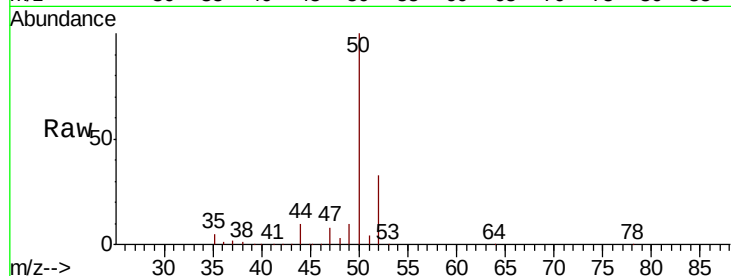
52 33.1 26.2 39.2

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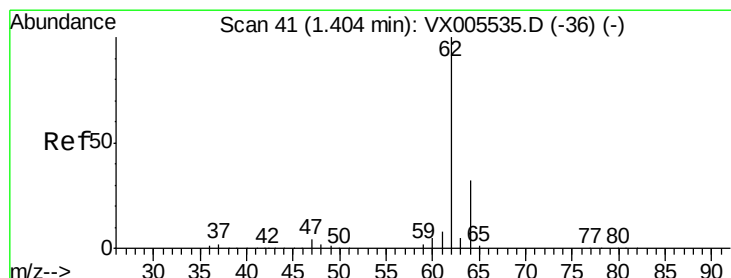
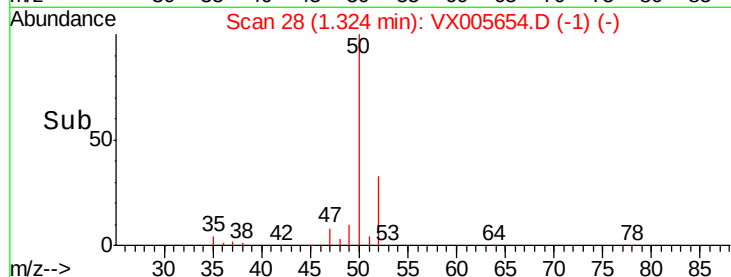
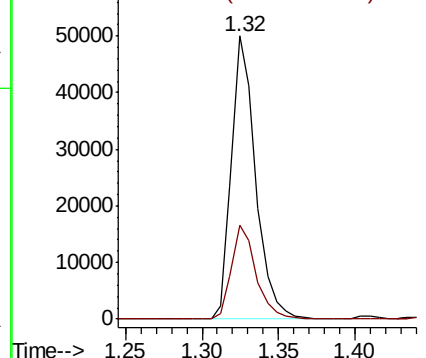
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.954 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005654.D

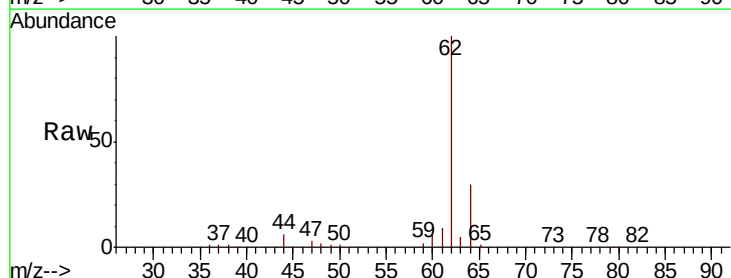
Acq: 29 Oct 2018 12:25

Tgt Ion: 62 Resp: 56401

Ion Ratio Lower Upper

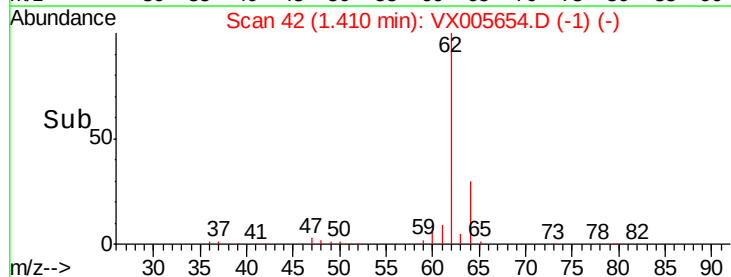
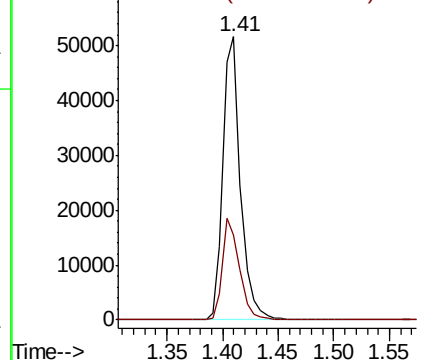
62 100

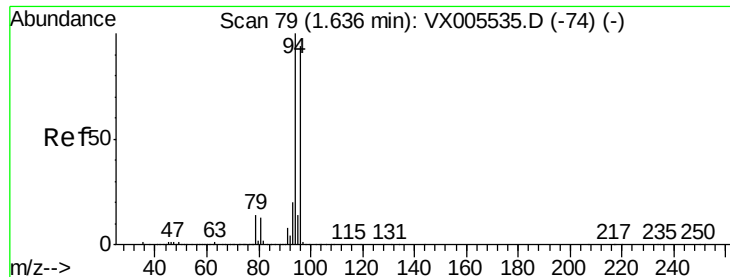
64 29.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.312 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 94 Resp: 32056

Ion Ratio Lower Upper

94 100

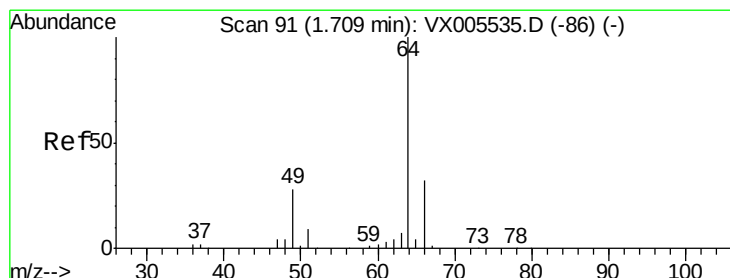
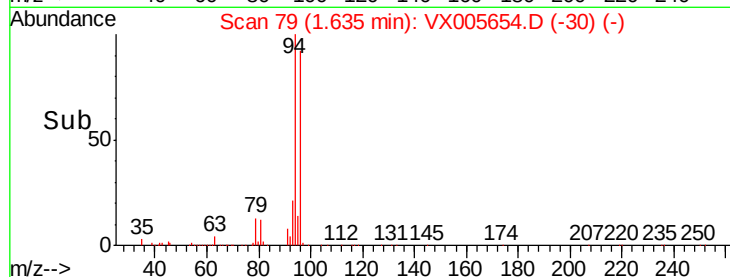
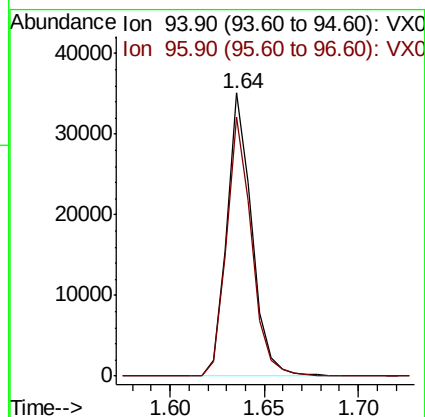
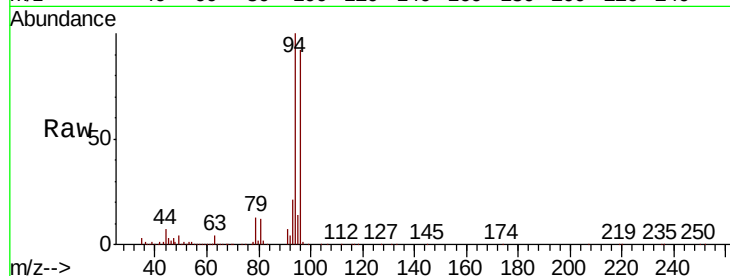
96 91.8 75.2 112.8

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#6

Chloroethane

Concen: 17.169 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005654.D

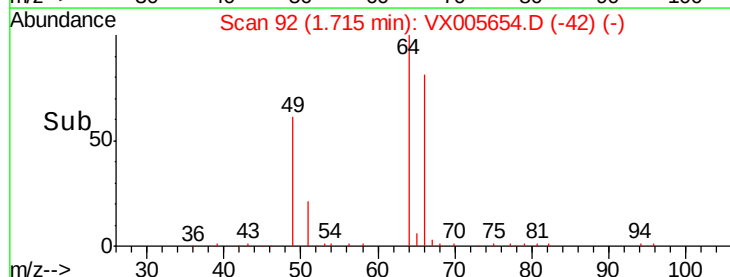
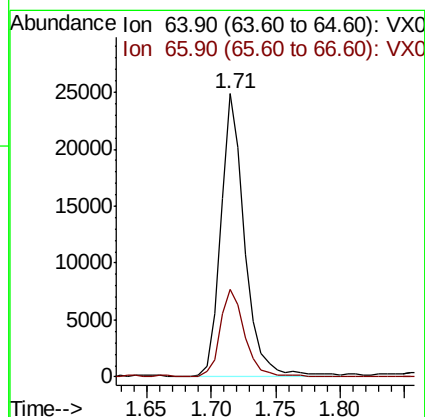
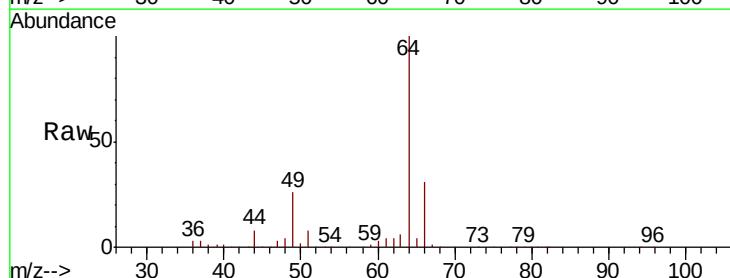
Acq: 29 Oct 2018 12:25

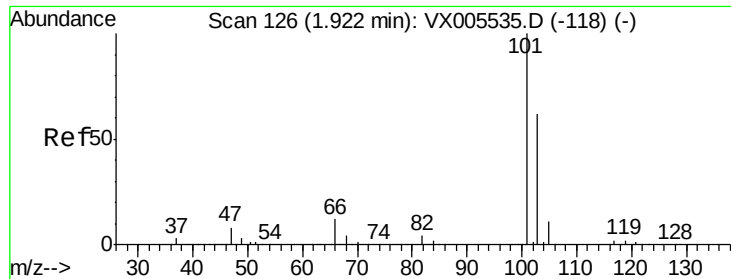
Tgt Ion: 64 Resp: 32638

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6





#7

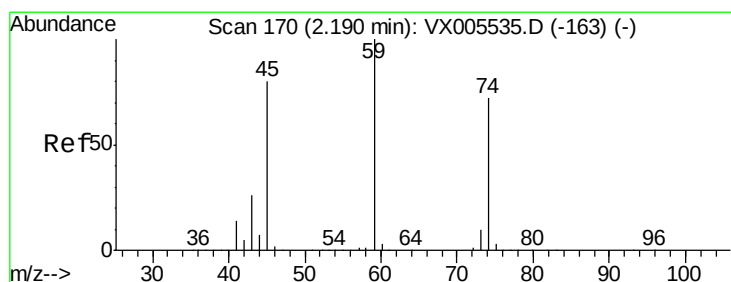
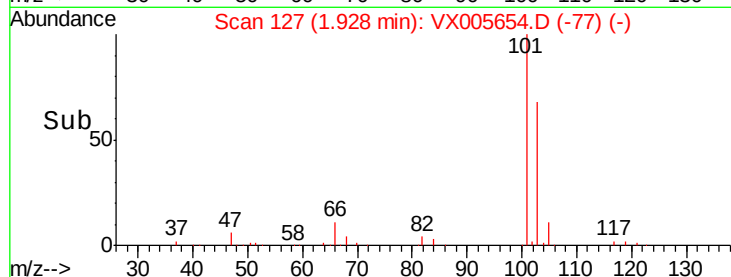
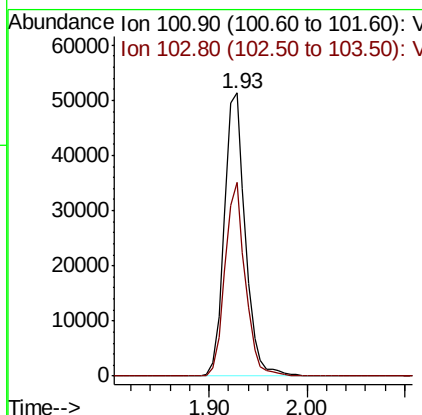
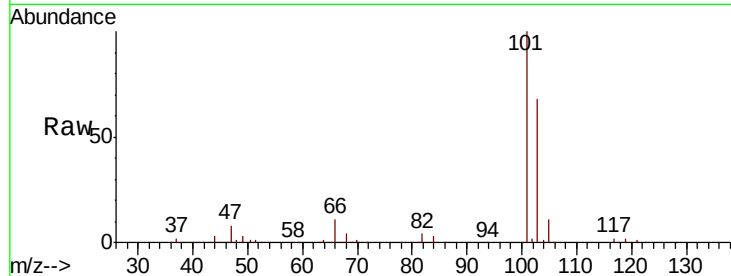
Trichlorofluoromethane
Concen: 18.504 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
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ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	50.0	75.0

Manual Integrations
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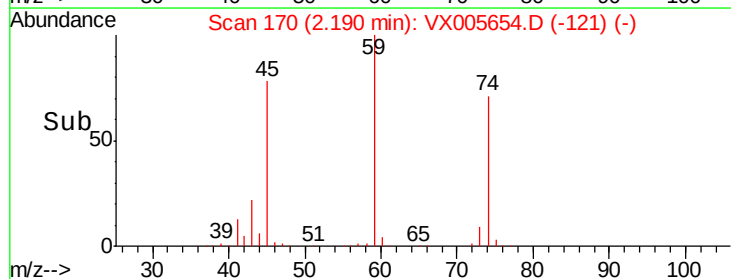
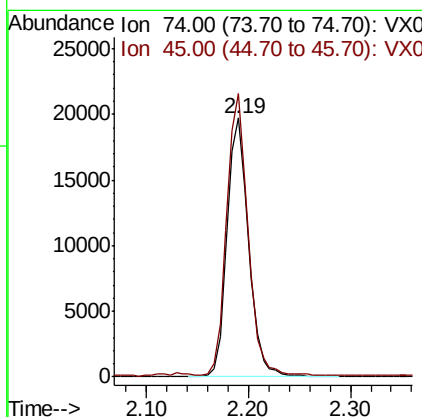
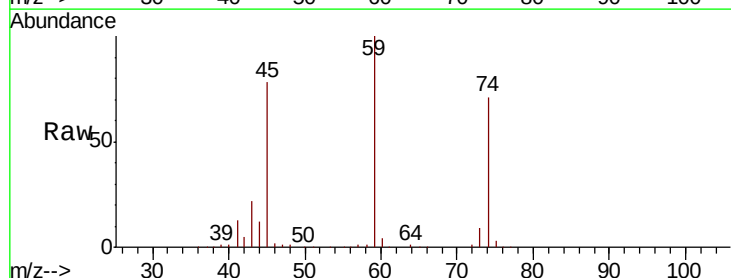
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10/30/2018 10:50:45 AM

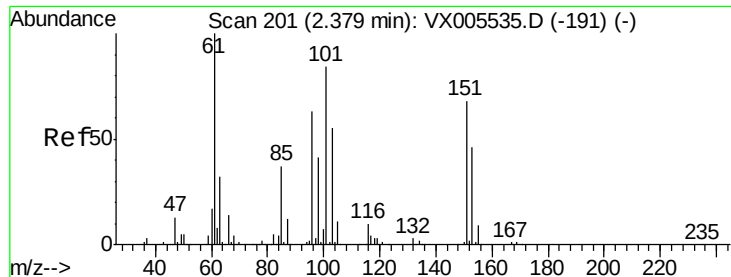


#8

Diethyl Ether
Concen: 17.423 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.371 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

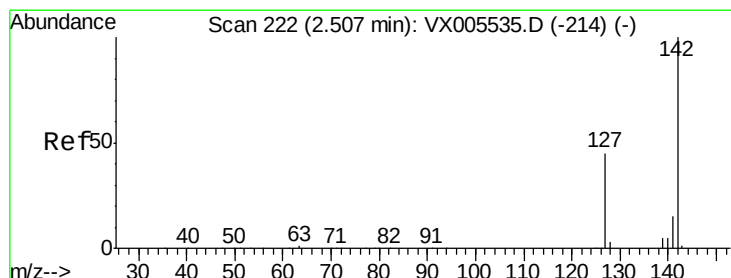
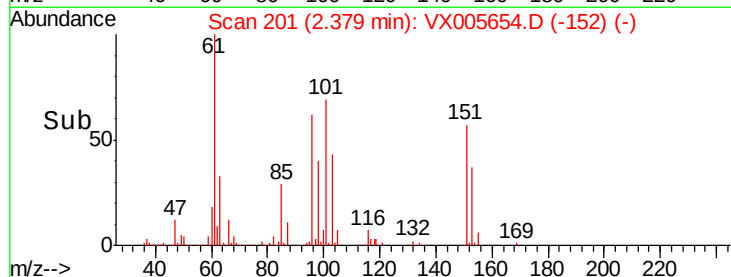
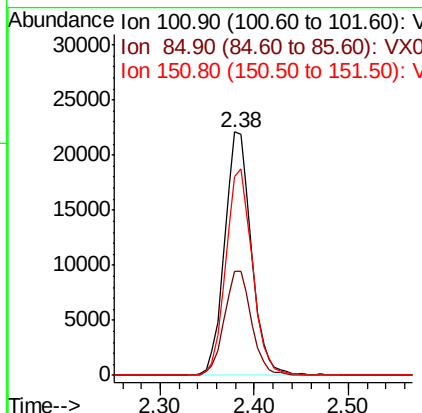
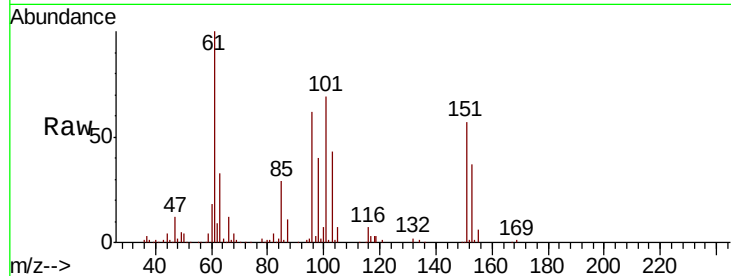
ClientSampleId :

VX1029WBS01

Tot Ion:	101	Resp:	43584
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.0	52.4
151	84.1	66.2	99.2

Manual Integrations
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10/30/2018 10:50:45 AM



#10

Methyl Iodide

Concen: 16.094 ug/l

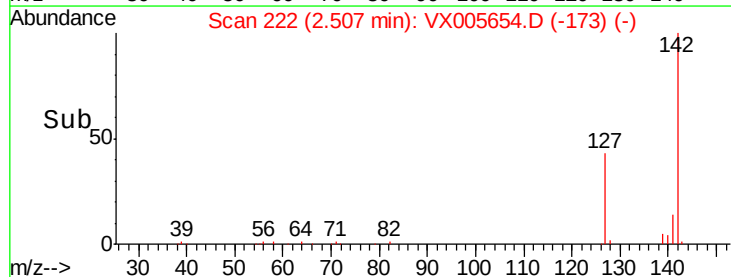
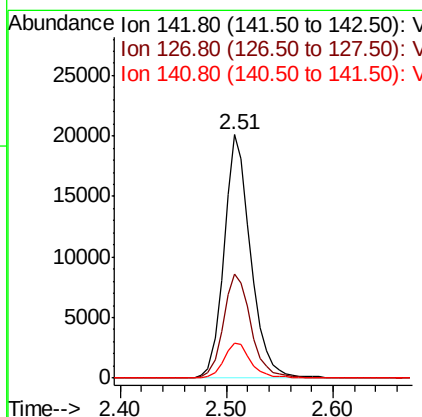
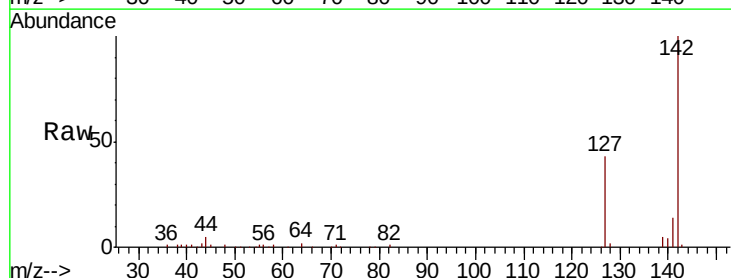
RT: 2.51 min Scan# 222

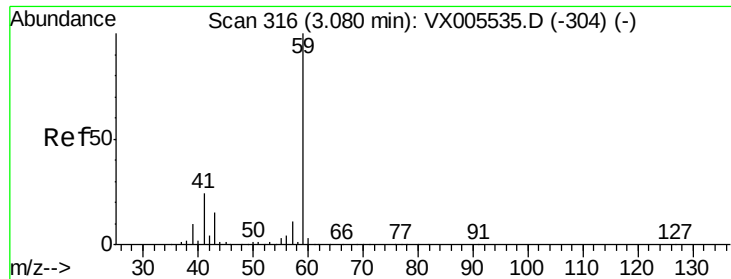
Delta R.T. 0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	142	Resp:	35032
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.0	54.0
141	14.5	11.7	17.5





#11

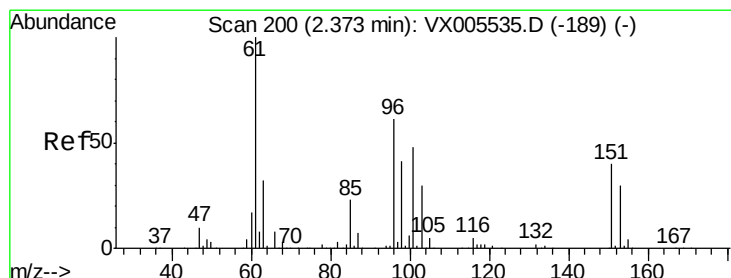
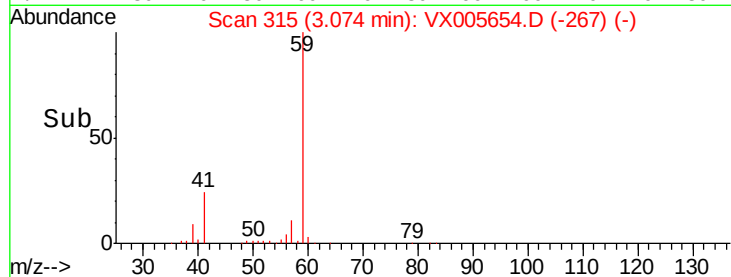
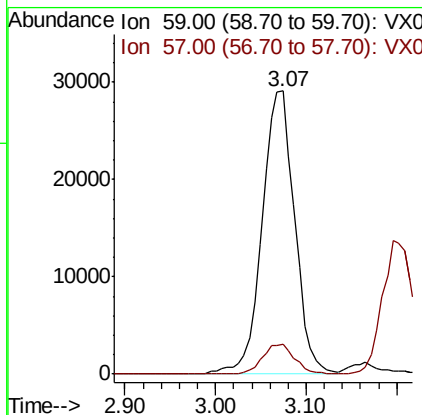
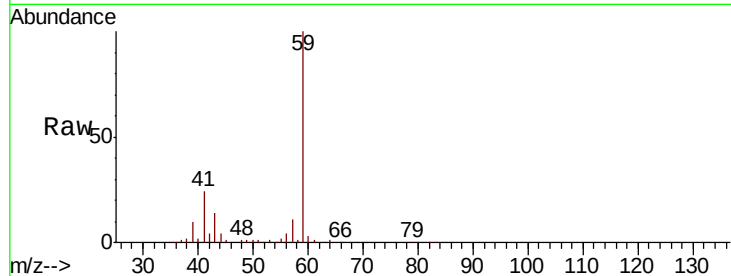
Tert butyl alcohol
 Concen: 91.279 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion: 59 Resp: 72188
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

Manual Integrations
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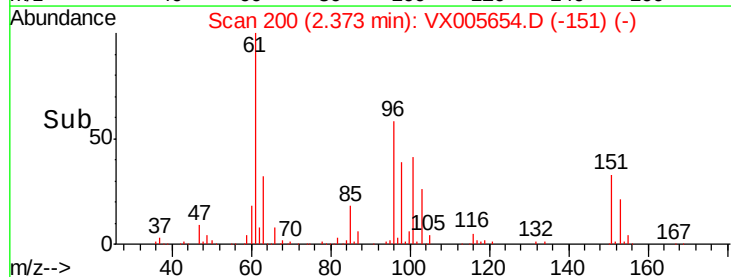
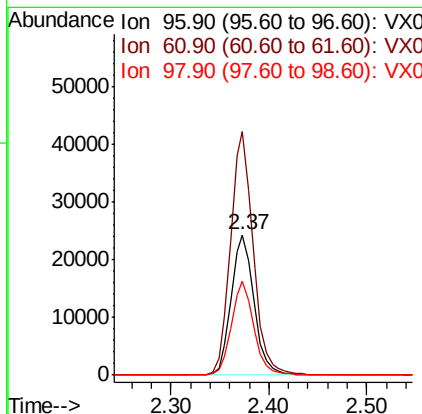
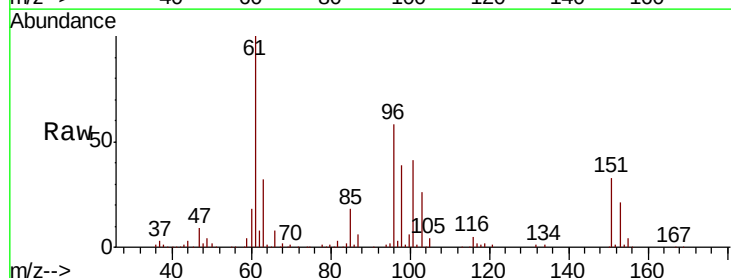
MMDadoda
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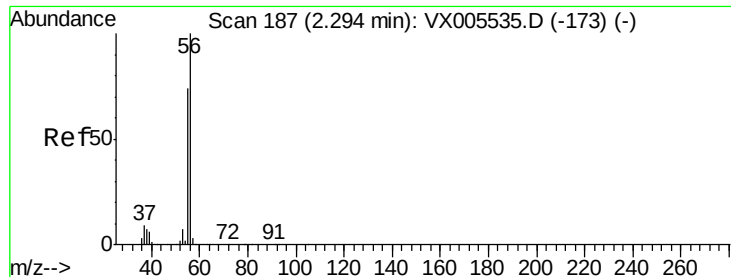


#12

1,1-Dichloroethene
 Concen: 17.443 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion: 96 Resp: 39422
 Ion Ratio Lower Upper
 96 100
 61 173.9 131.8 197.8
 98 67.0 53.4 80.2





#13

Acrolein

Concen: 73.232 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 56 Resp: 29543

Ion Ratio Lower Upper

56 100

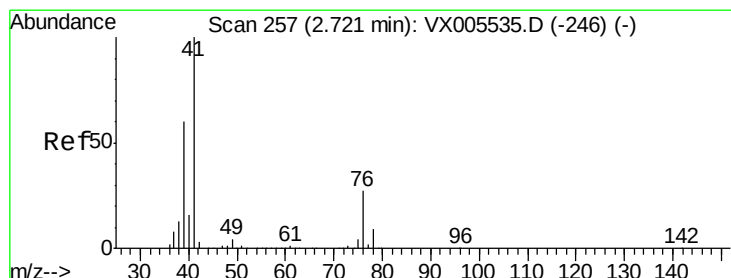
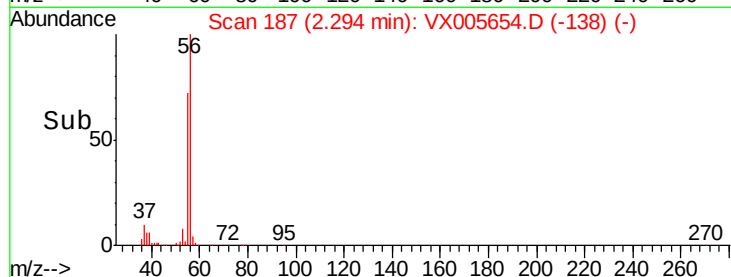
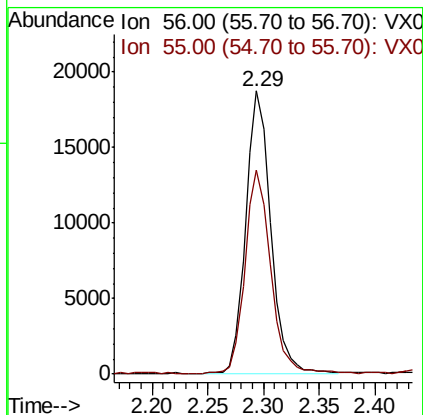
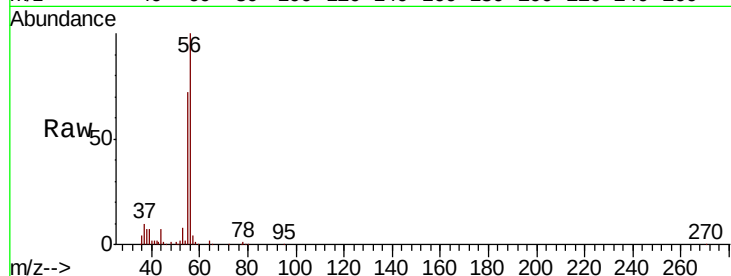
55 74.5 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 17.394 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

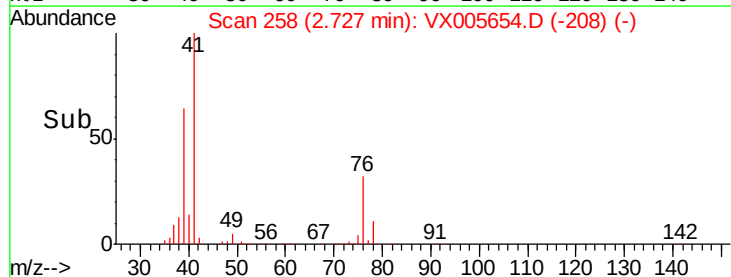
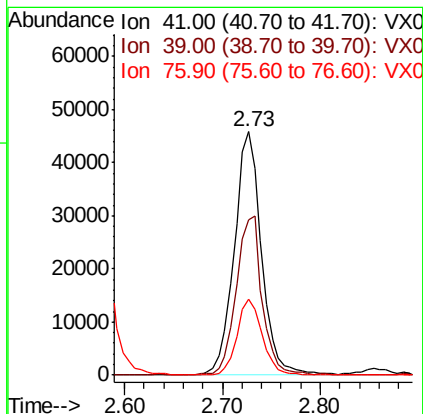
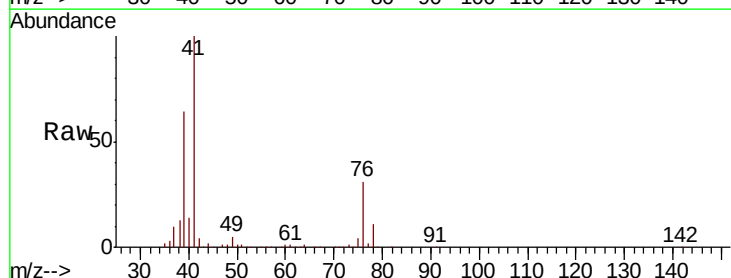
Tgt Ion: 41 Resp: 87734

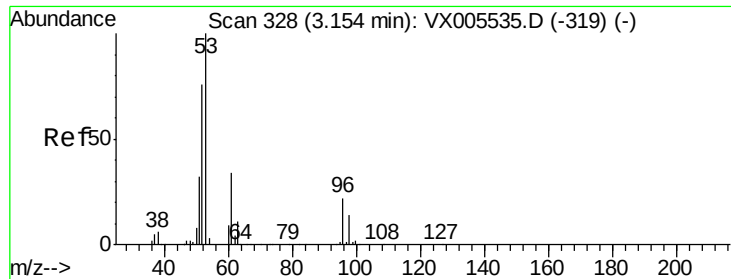
Ion Ratio Lower Upper

41 100

39 62.2 48.2 72.4

76 29.6 21.9 32.9





#15

Acrylonitrile

Concen: 86.212 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

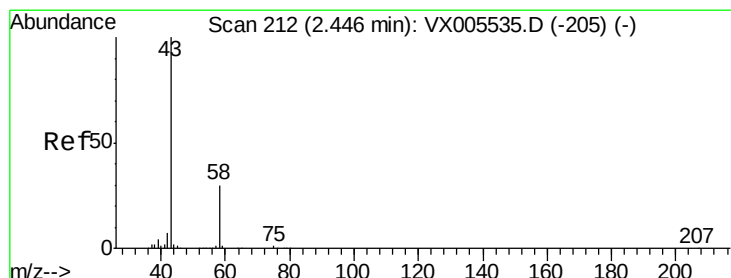
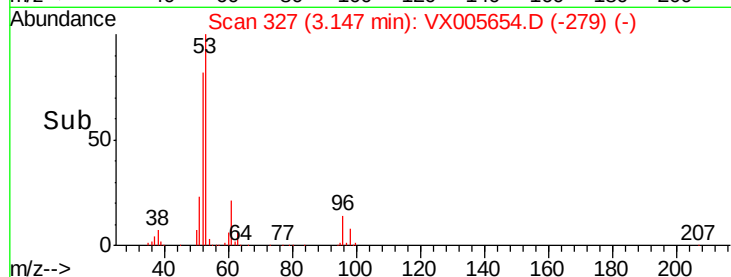
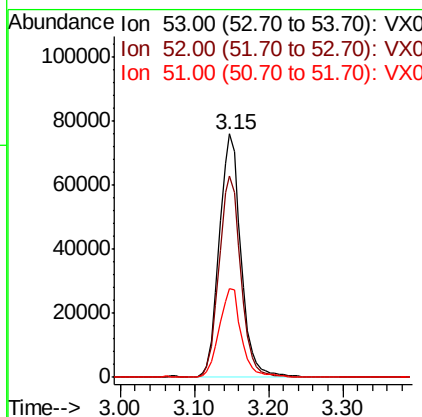
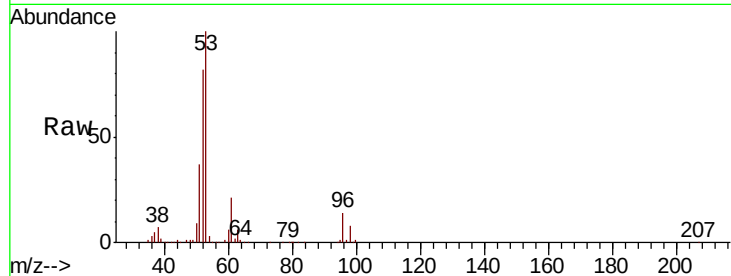
ClientSampleId :

VX1029WBS01

Tot Ion:	53	Resp:	152887
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	36.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 95.877 ug/l

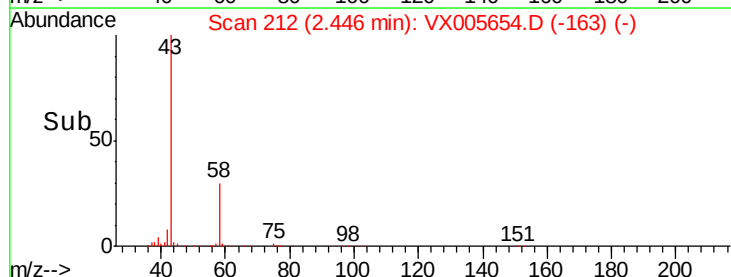
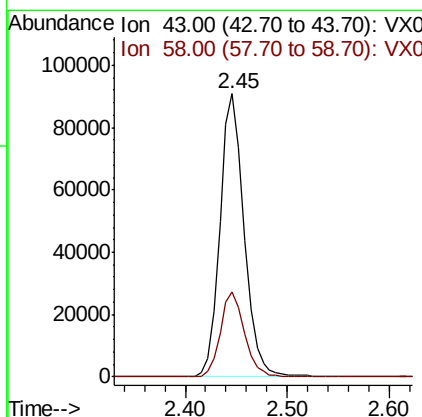
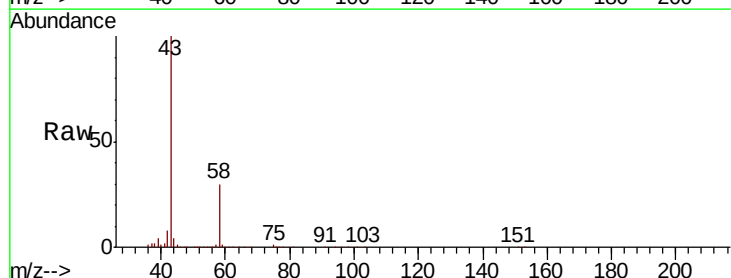
RT: 2.45 min Scan# 212

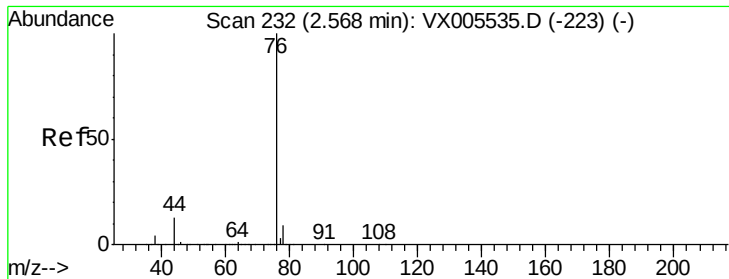
Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	43	Resp:	148893
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.8	35.6





#17

Carbon Disulfide

Concen: 17.512 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 76 Resp: 120645

Ion Ratio Lower Upper

76 100

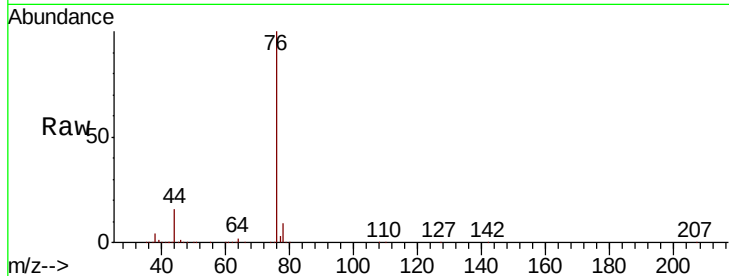
78 8.8 7.3 10.9

Manual Integrations

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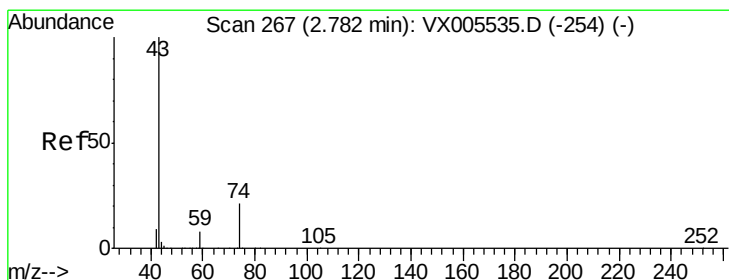
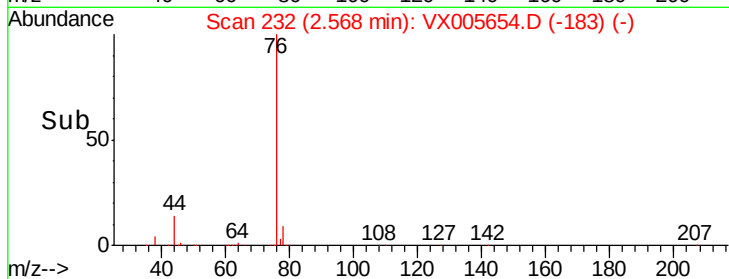
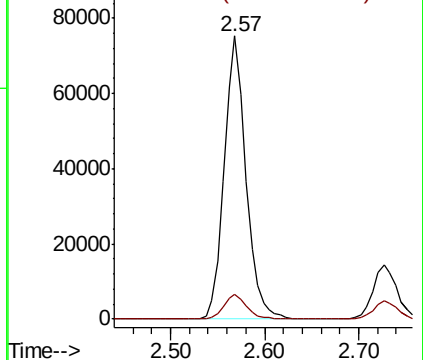
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.063 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005654.D

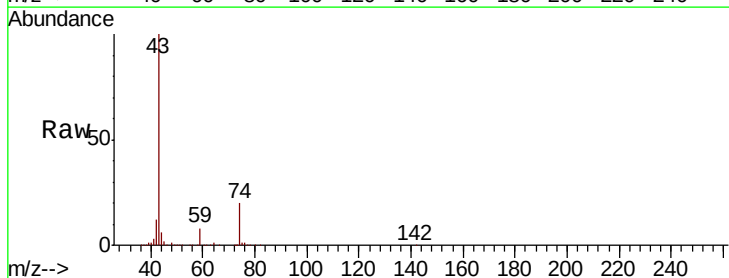
Acq: 29 Oct 2018 12:25

Tgt Ion: 43 Resp: 72880

Ion Ratio Lower Upper

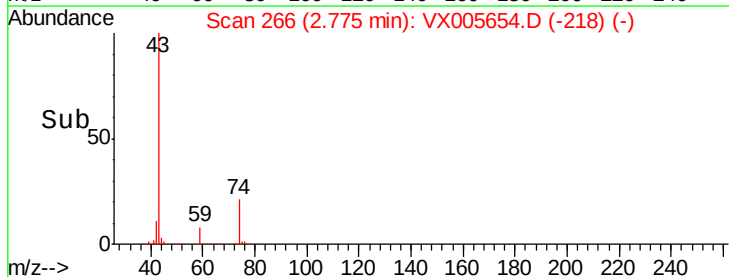
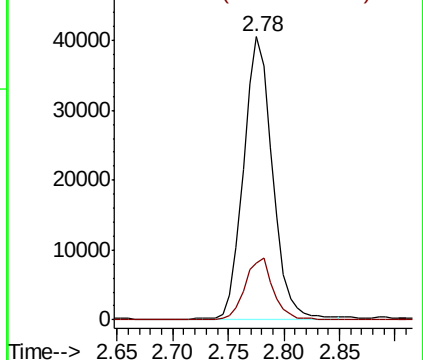
43 100

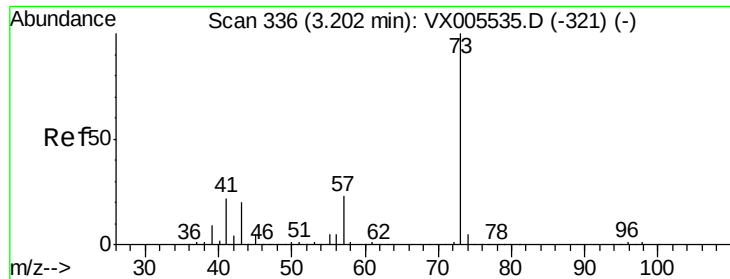
74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





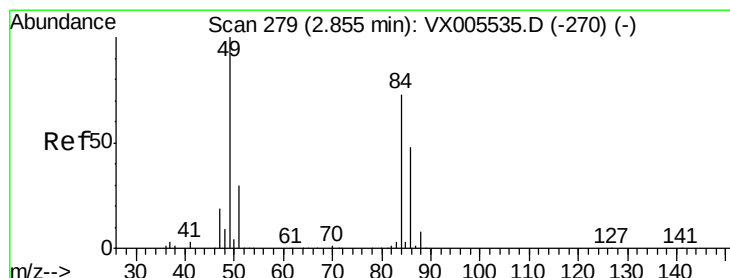
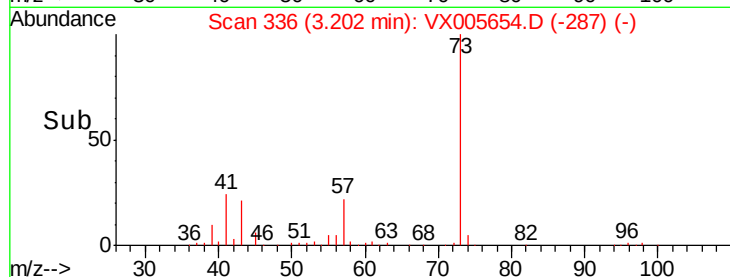
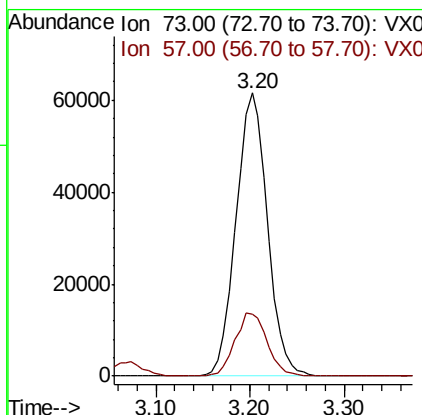
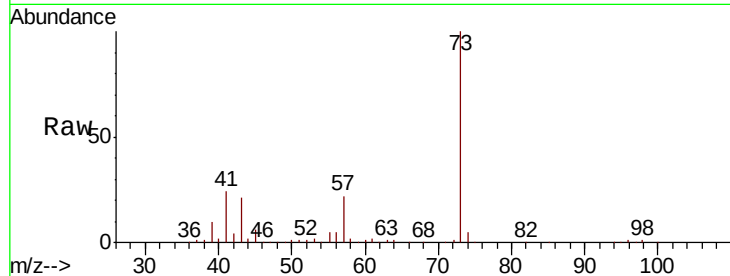
#19
Methyl tert-butyl Ether
Concen: 17.826 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.8	28.2

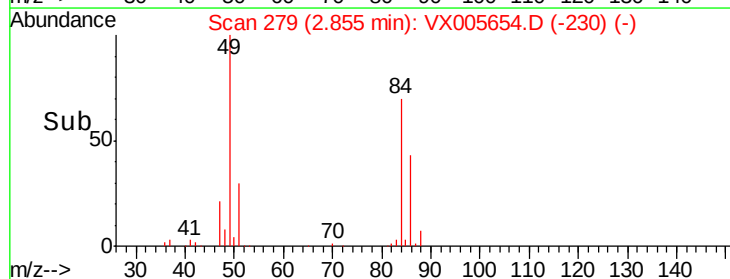
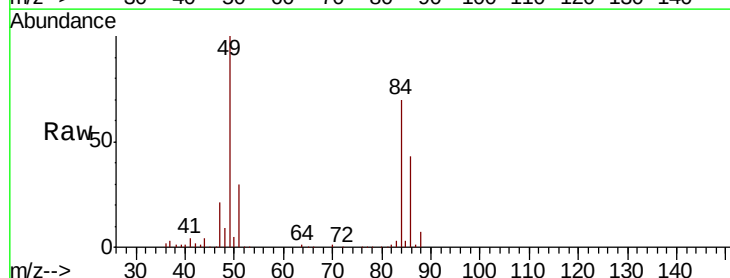
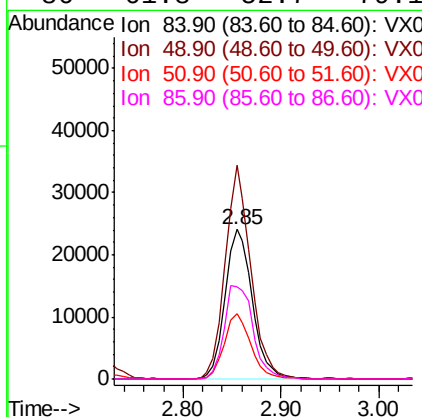
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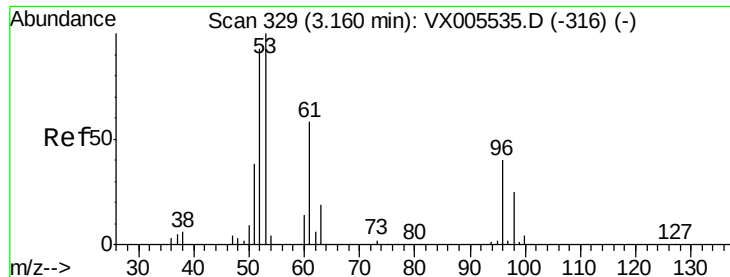
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#20
Methylene Chloride
Concen: 17.887 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.1	109.5	164.3
51	43.1	33.3	49.9
86	61.8	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 17.440 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

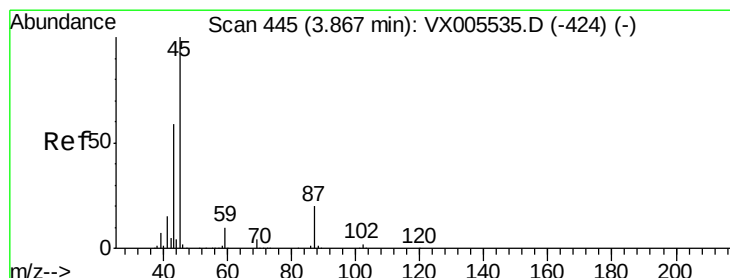
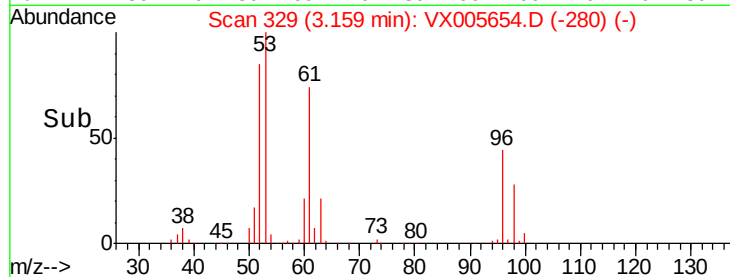
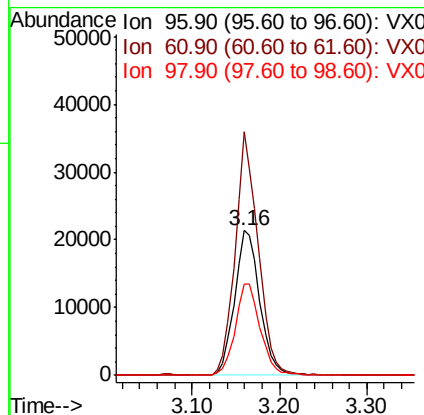
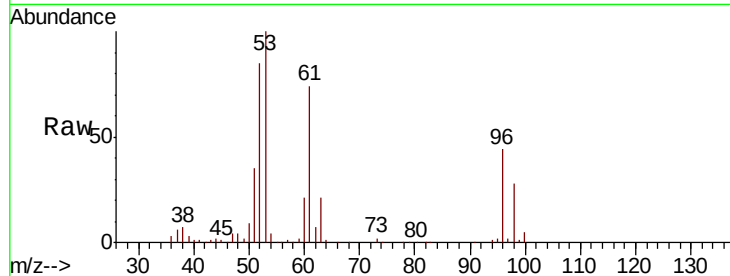
ClientSampleId :

VX1029WBS01

Tot Ion:	96	Resp:	43034
Ion	Ratio	Lower	Upper
96	100		
61	168.2	115.6	173.4
98	63.2	50.2	75.2

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#22

Diisopropyl ether

Concen: 17.867 ug/l

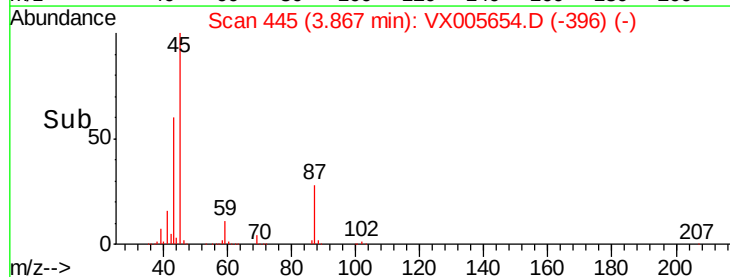
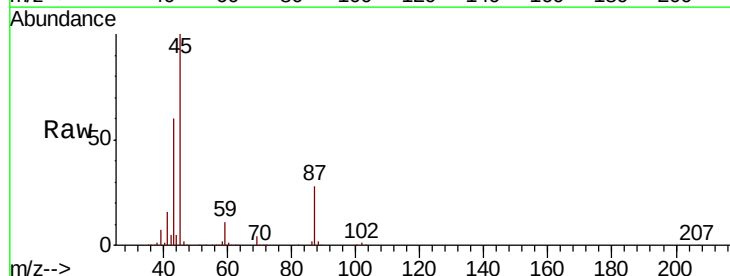
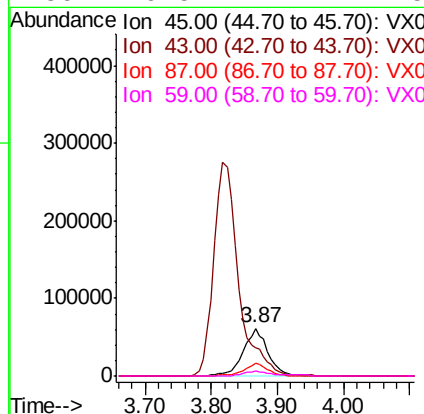
RT: 3.87 min Scan# 445

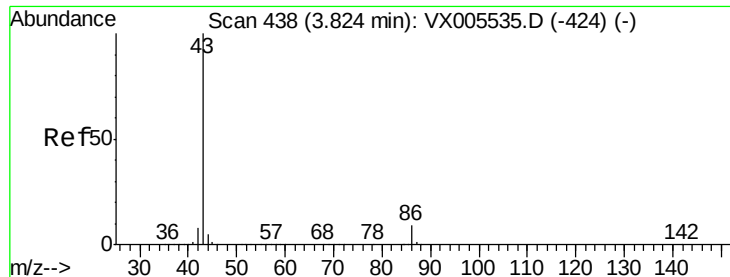
Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	45	Resp:	157371
Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.4	71.2
87	28.4	15.9	23.9
59	10.5	7.7	11.5





#23

Vinyl Acetate

Concen: 92.889 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 43 Resp: 720561

Ion Ratio Lower Upper

43 100

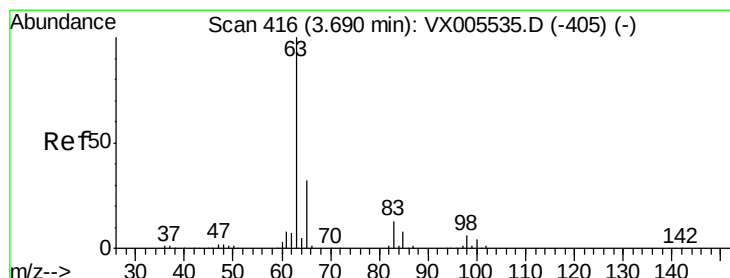
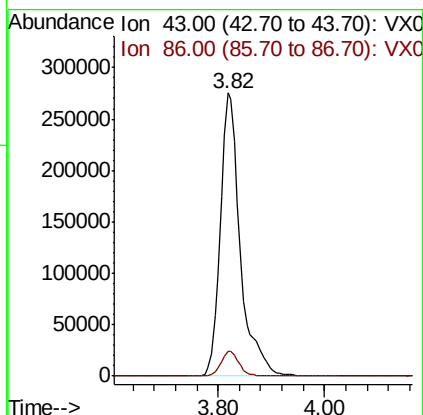
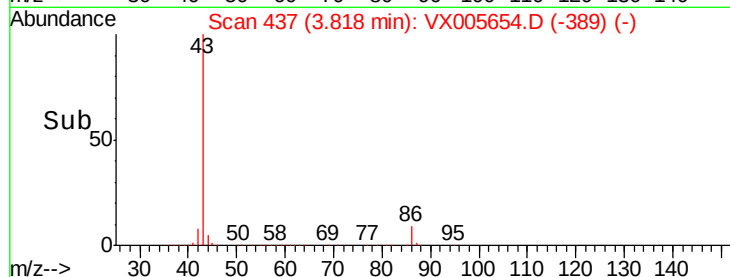
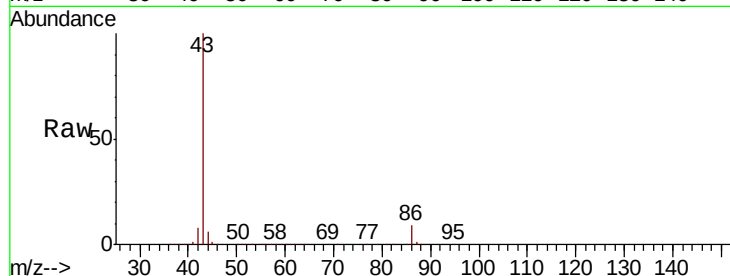
86 8.8 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.800 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

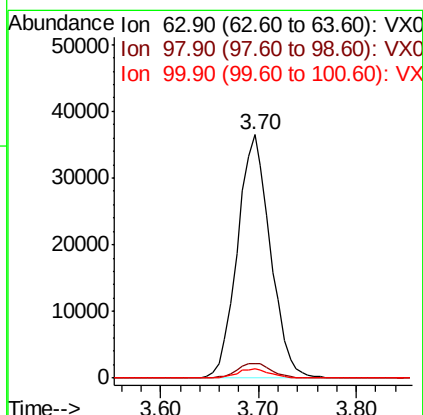
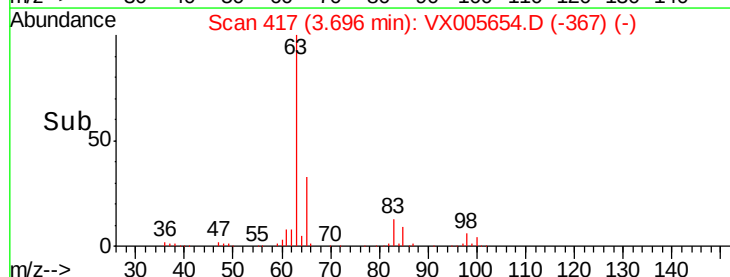
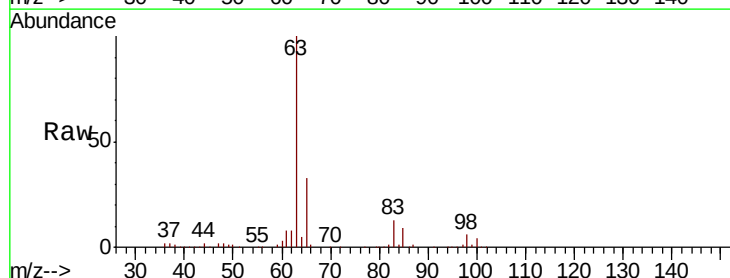
Tgt Ion: 63 Resp: 85242

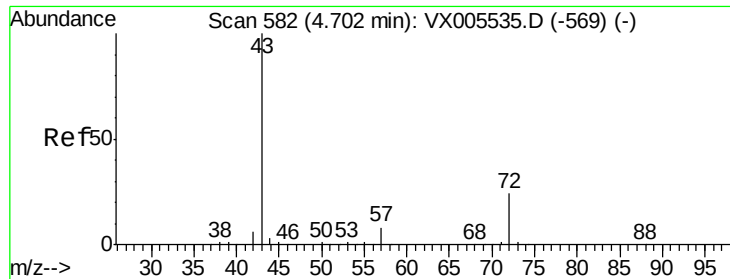
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 95.534 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 43 Resp: 225922

Ion Ratio Lower Upper

43 100

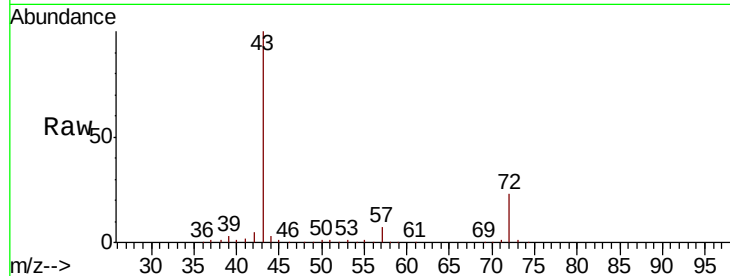
72 23.2 19.2 28.8

Manual Integrations

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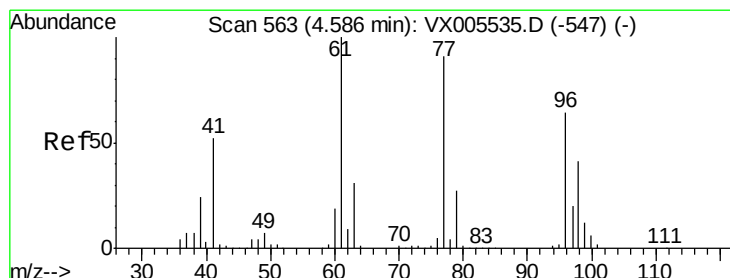
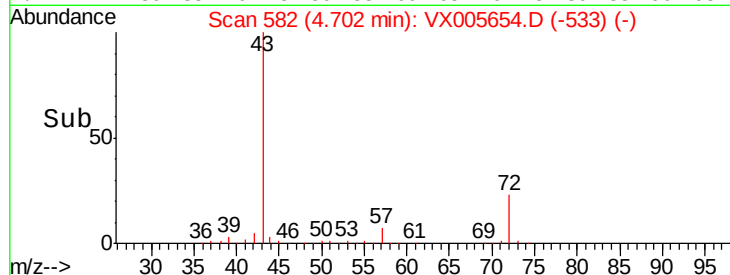
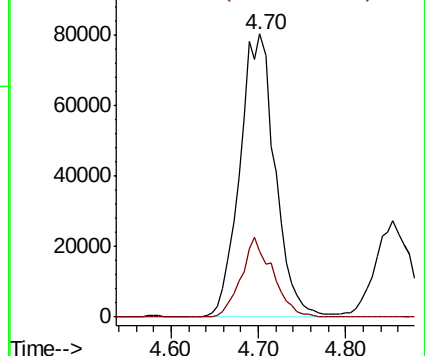
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.214 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005654.D

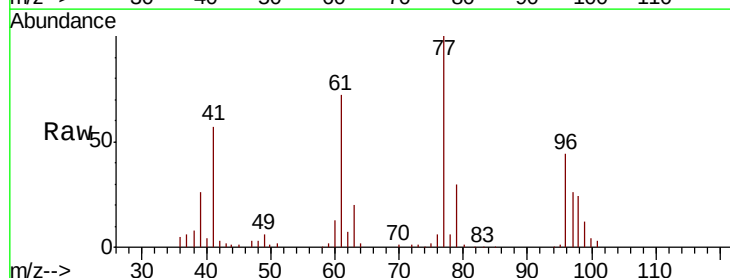
Acq: 29 Oct 2018 12:25

Tgt Ion: 77 Resp: 67340

Ion Ratio Lower Upper

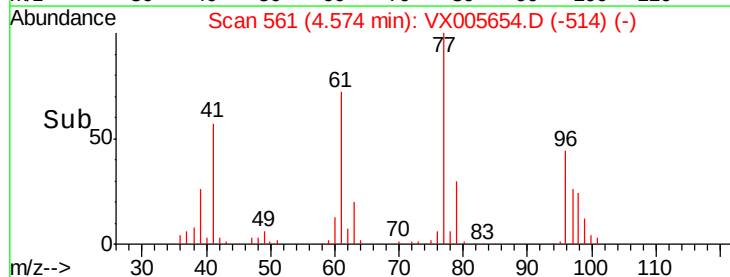
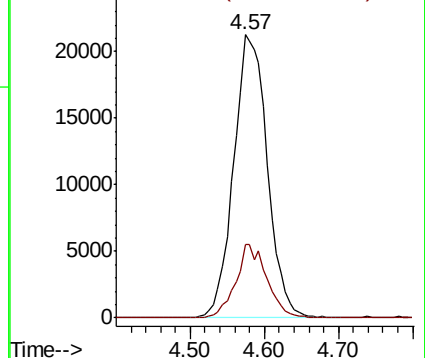
77 100

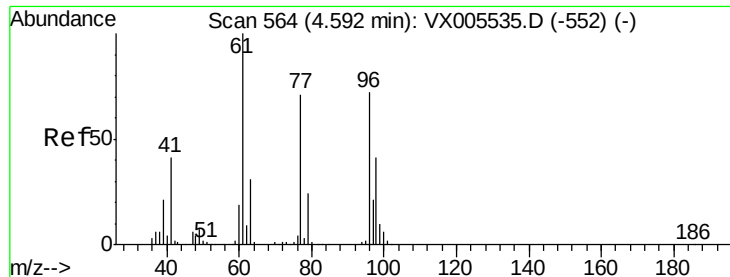
97 23.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

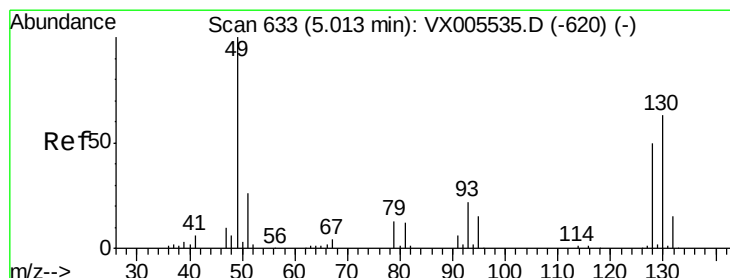
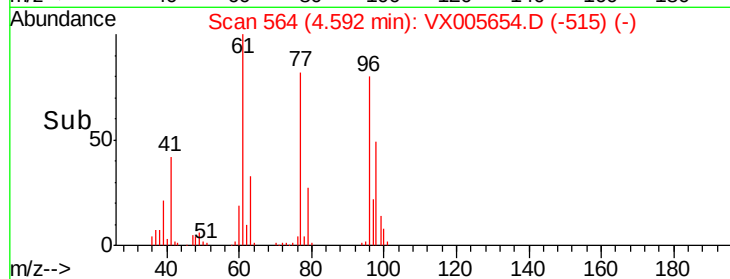
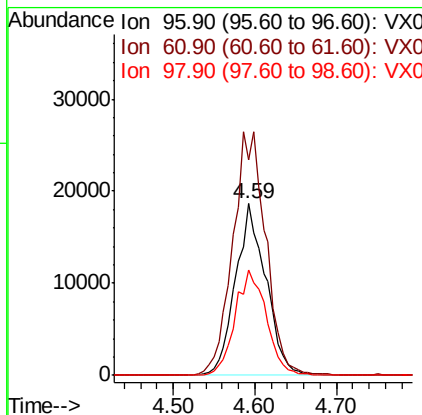
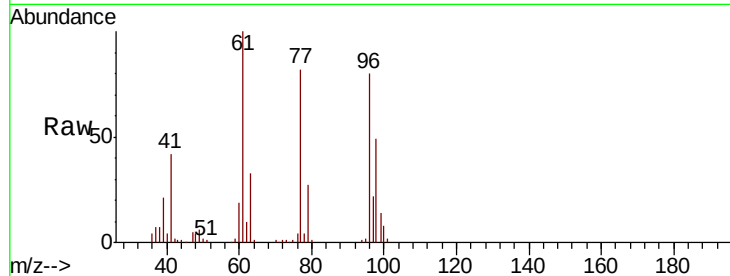
cis-1,2-Dichloroethene
Concen: 18.117 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.1	0.0	304.6	
98	63.0	0.0	127.4	

Manual Integrations
APPROVED

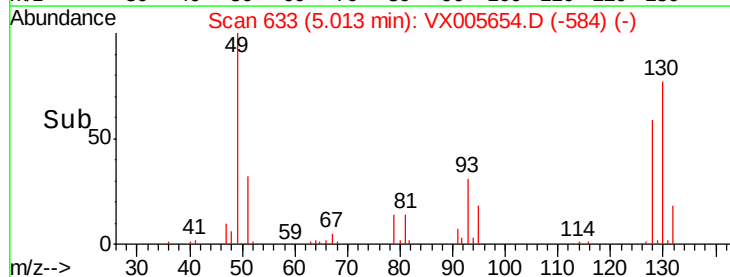
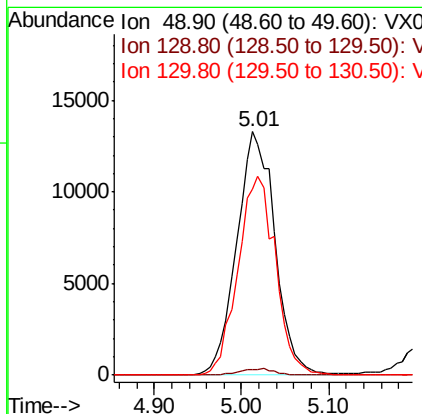
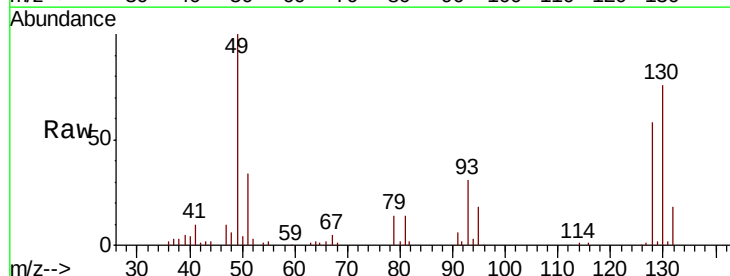
MMDadoda
10/30/2018 10:50:45 AM

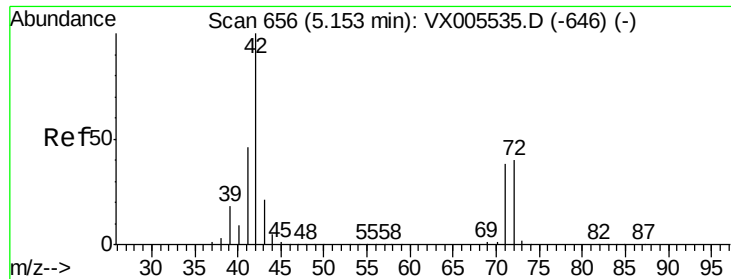


#28

Bromochloromethane
Concen: 17.401 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	80.0	58.9	88.3	





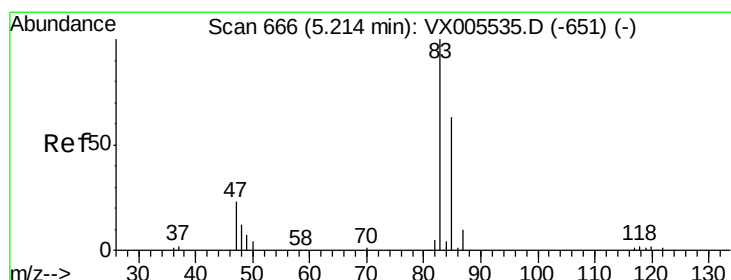
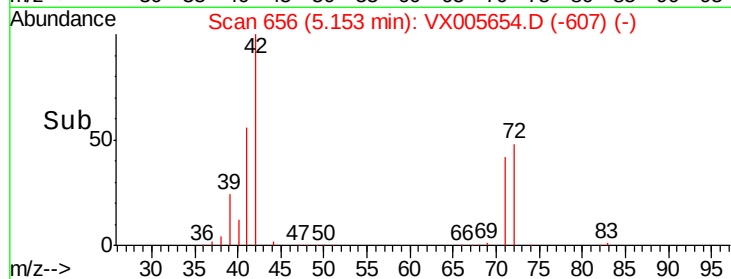
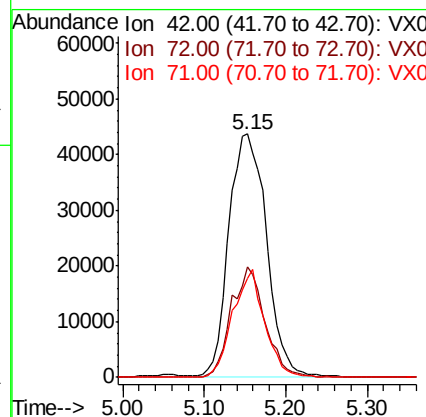
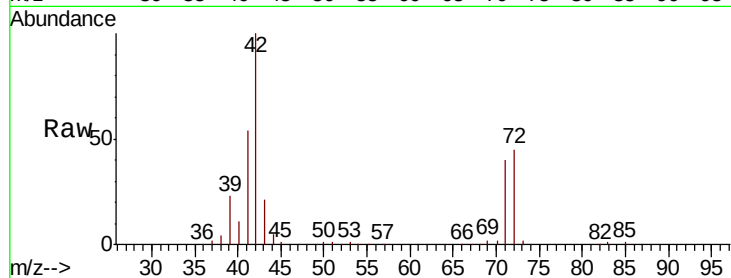
#29
Tetrahydrofuran
Concen: 90.192 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.0	48.0
71	37.7	29.8	44.8

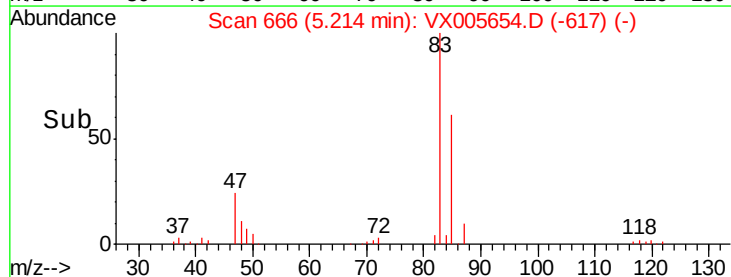
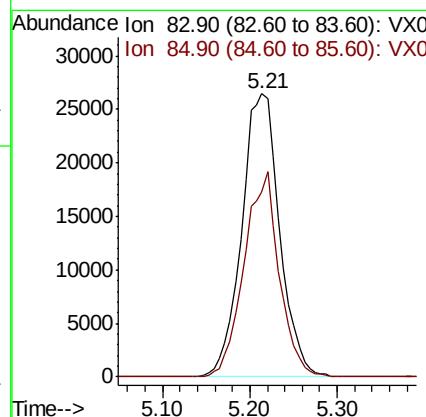
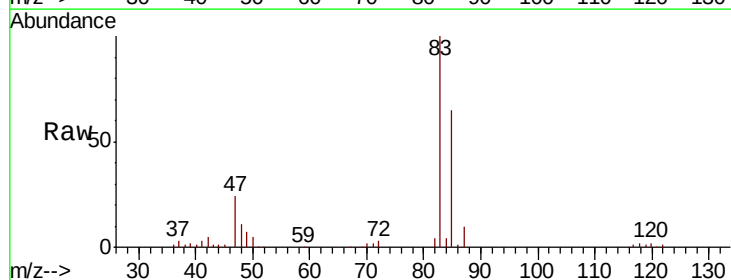
Manual Integrations
APPROVED

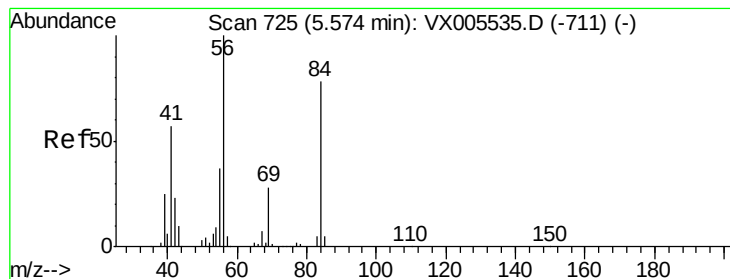
MMDadoda
10/30/2018 10:50:45 AM



#30
Chloroform
Concen: 17.756 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0





#31

Cyclohexane

Concen: 18.745 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

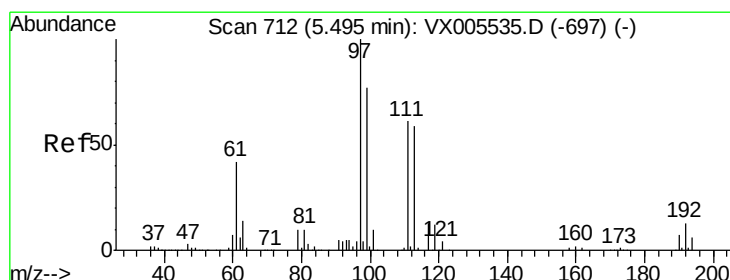
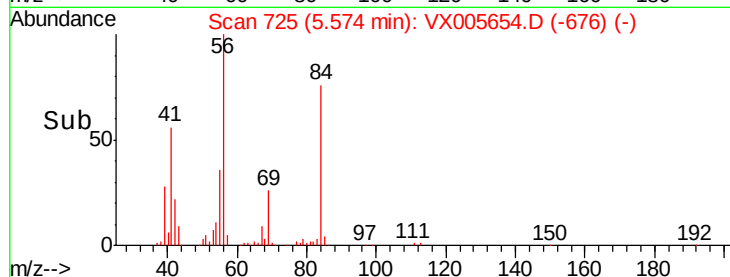
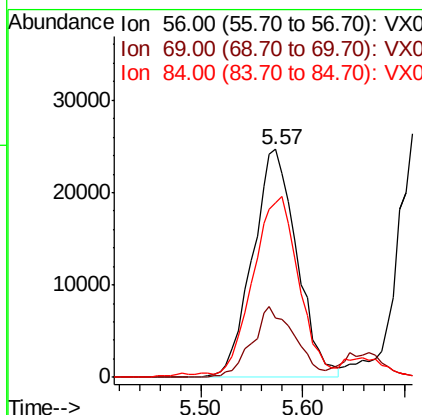
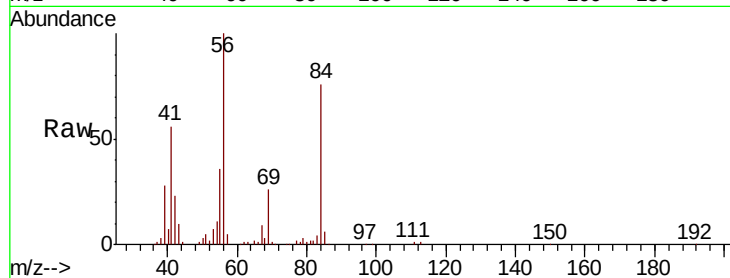
ClientSampleId :

VX1029WBS01

Tot Ion:	56	Resp:	74269
Ion	Ratio	Lower	Upper
56	100		
69	25.8	22.6	34.0
84	74.8	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
10/30/2018 10:50:45 AM



#32

1,1,1-Trichloroethane

Concen: 19.200 ug/l

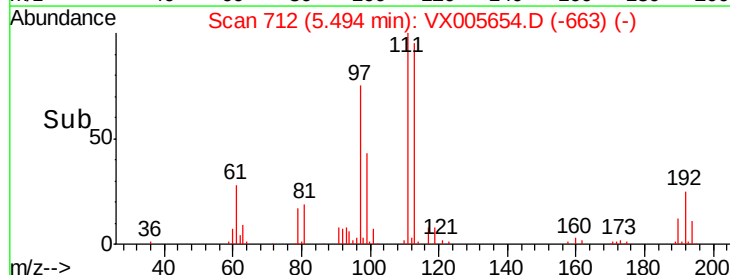
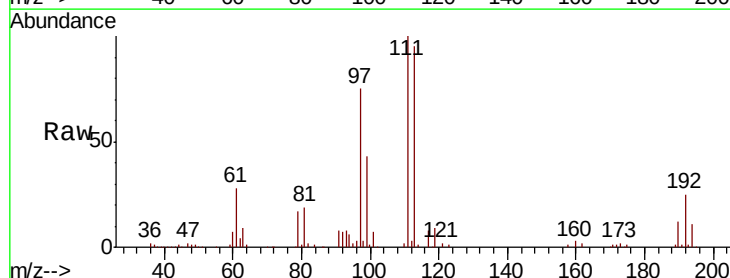
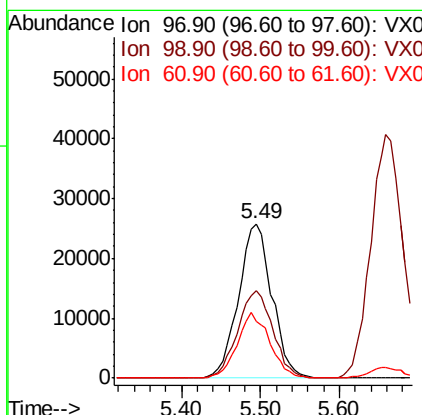
RT: 5.49 min Scan# 712

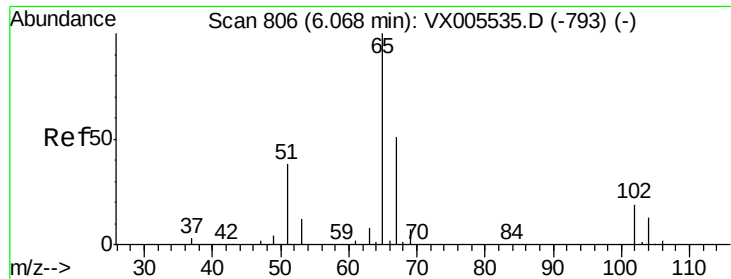
Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	97	Resp:	75908
Ion	Ratio	Lower	Upper
97	100		
99	59.9	52.3	78.5
61	41.6	35.2	52.8





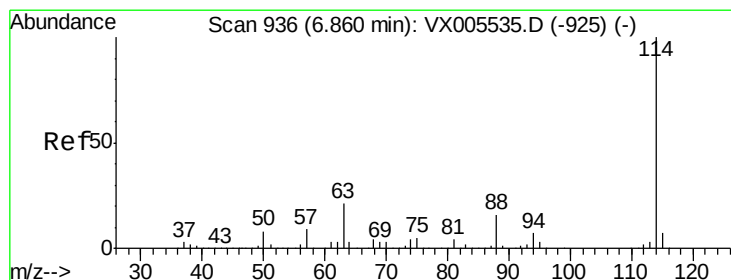
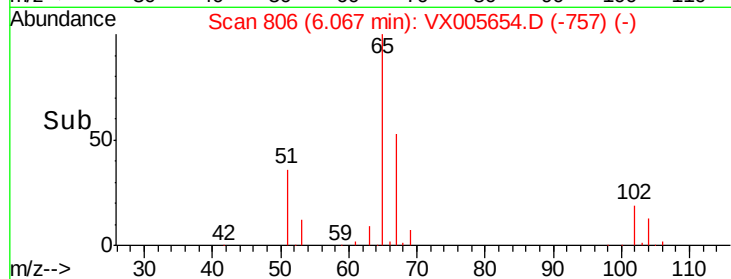
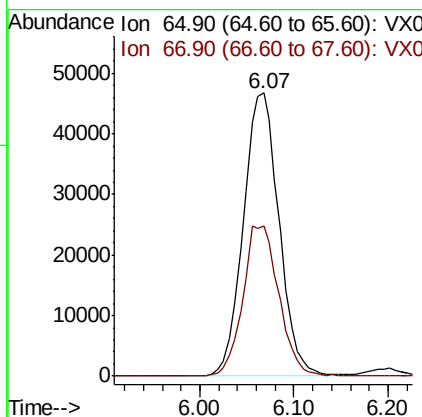
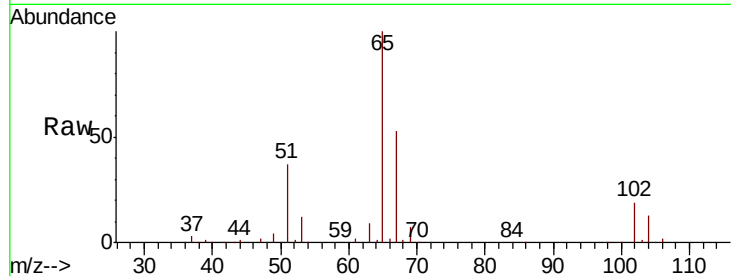
#33
 1,2-Dichloroethane-d4
 Concen: 42.285 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	105.0

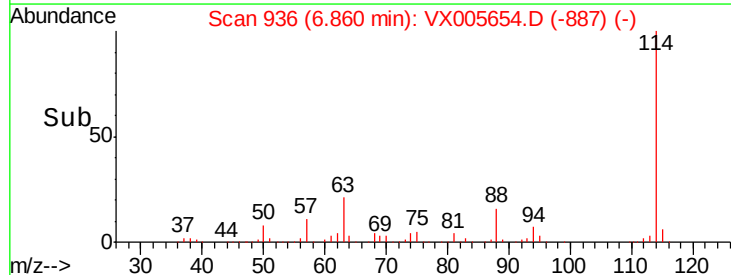
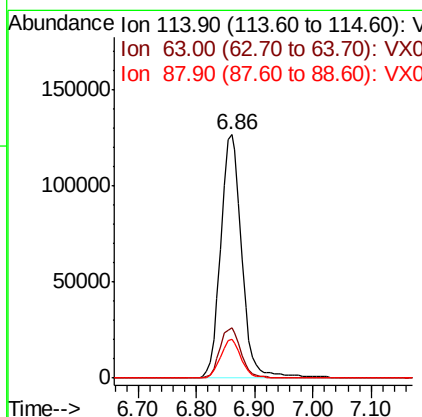
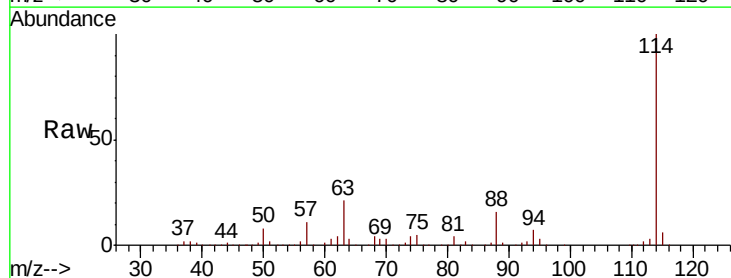
Manual Integrations
 APPROVED

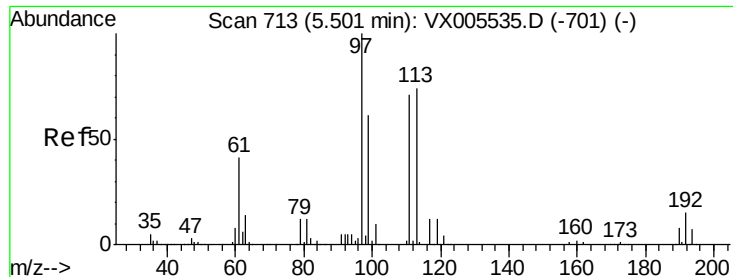
MMDadoda
 10/30/2018 10:50:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.8
88	15.9	0.0	31.2





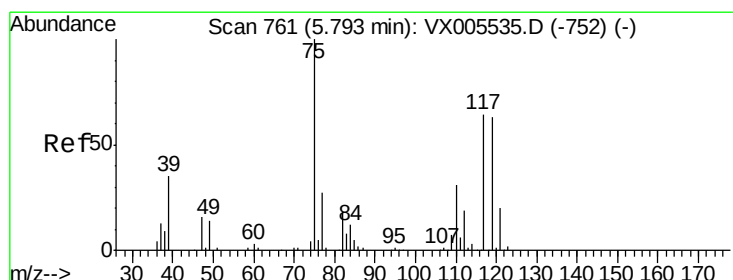
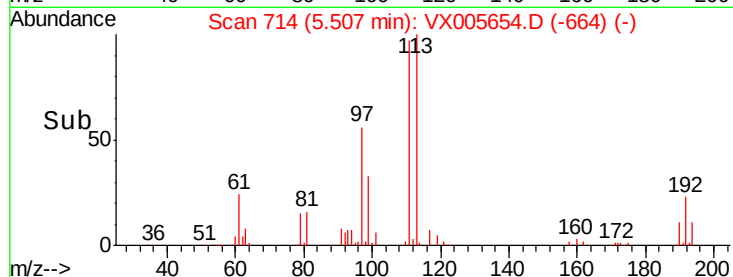
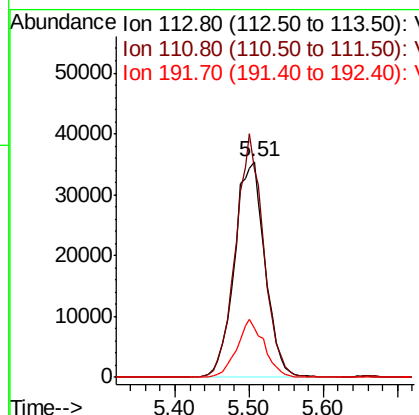
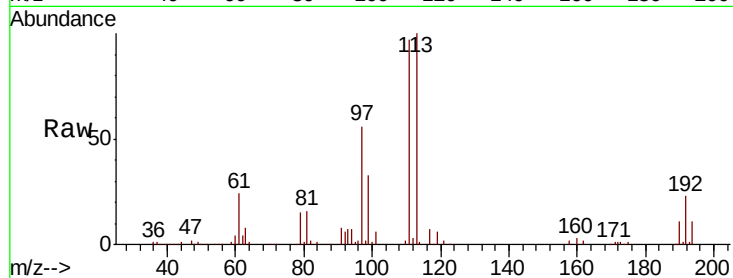
#35
 Dibromofluoromethane
 Concen: 47.107 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101721		
111	103.4	82.3	123.5	
192	24.2	17.9	26.9	

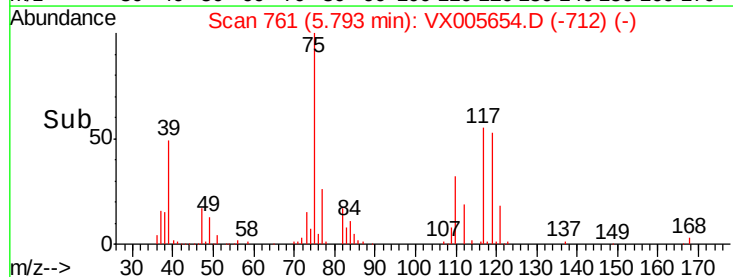
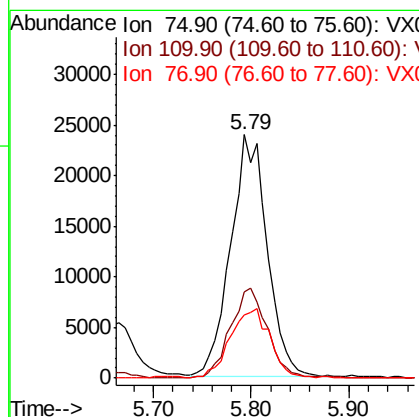
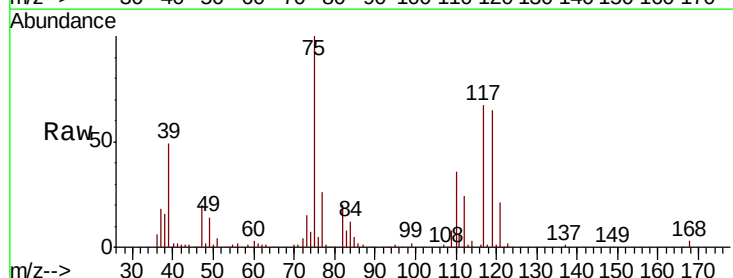
Manual Integrations
 APPROVED

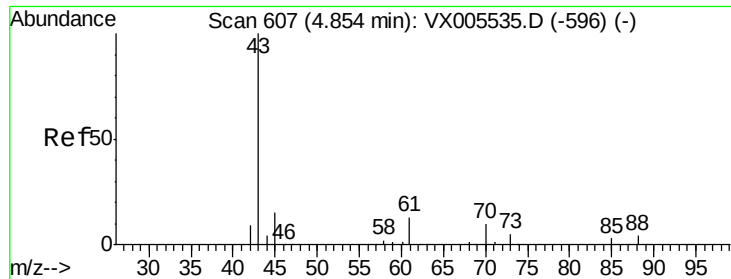
MMDadoda
 10/30/2018 10:50:45 AM



#36
 1,1-Dichloropropene
 Concen: 20.135 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62314		
110	37.7	17.4	52.2	
77	31.0	25.8	38.6	





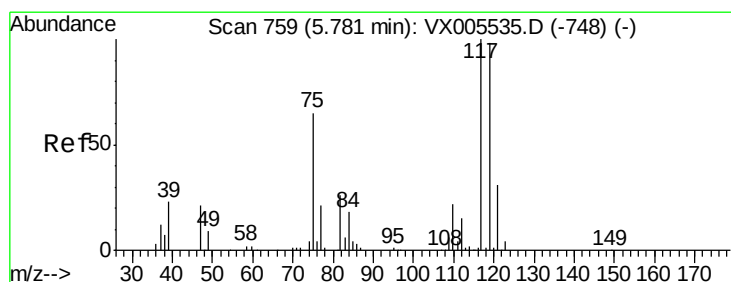
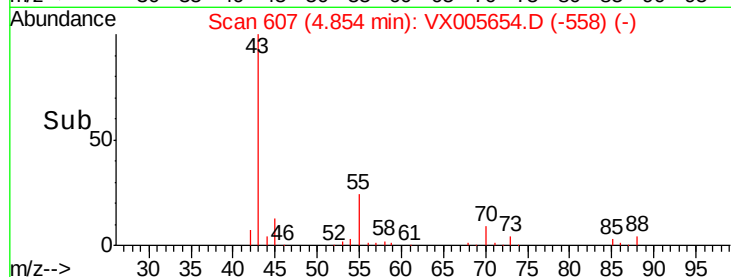
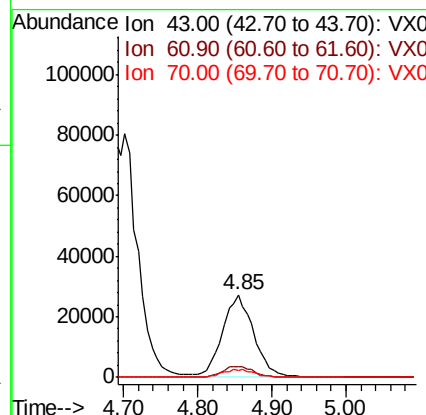
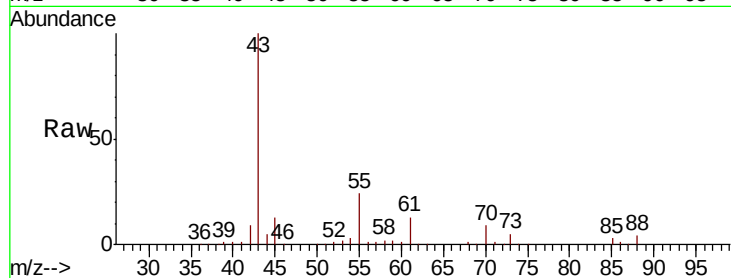
#37
Ethyl Acetate
Concen: 19.869 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.8	16.2
70	9.9	7.8	11.8

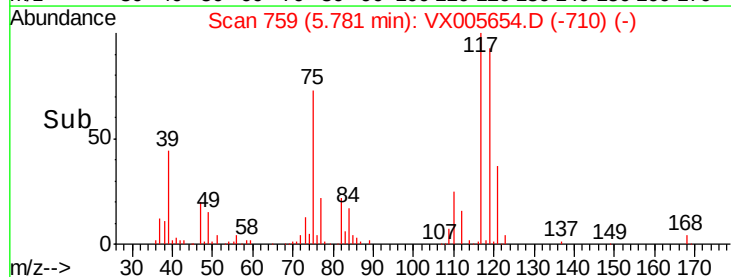
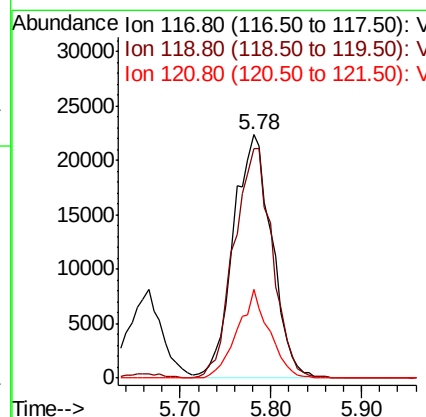
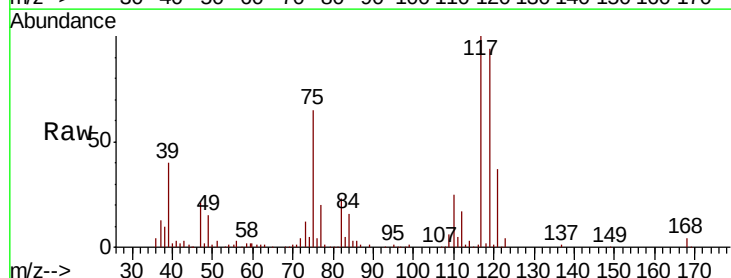
Manual Integrations
APPROVED

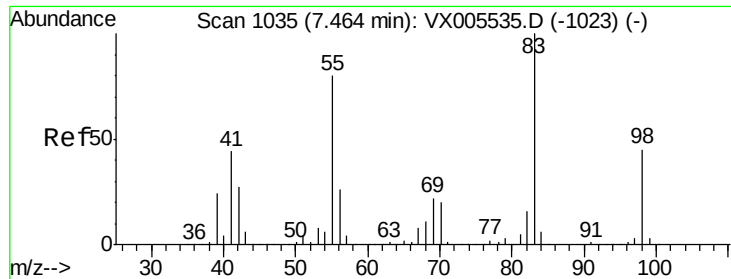
MMDadoda
10/30/2018 10:50:45 AM



#38
Carbon Tetrachloride
Concen: 20.197 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.1	117.1
121	36.7	24.6	36.8





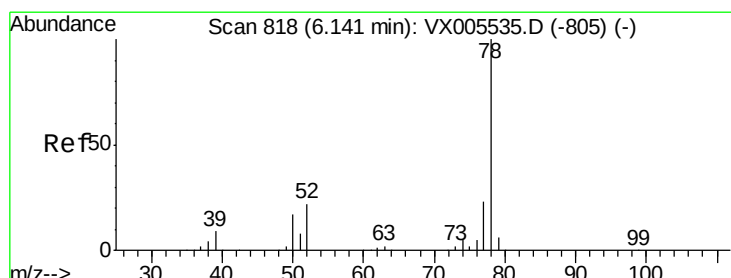
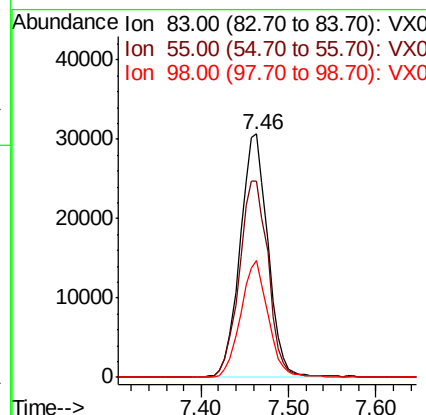
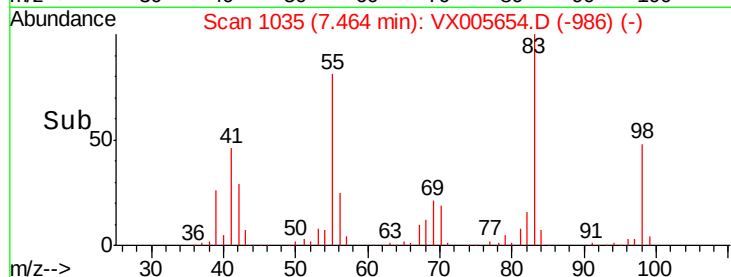
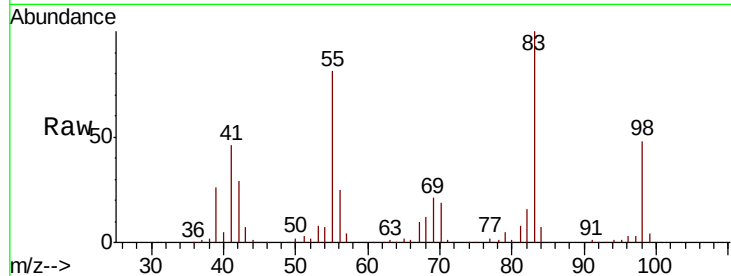
#39
Methylvlcyclohexane
Concen: 19.949 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.7	95.5
98	47.8	36.2	54.2

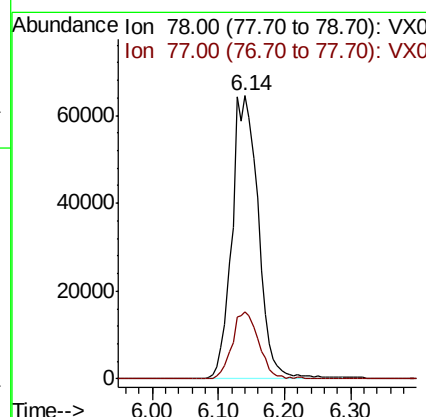
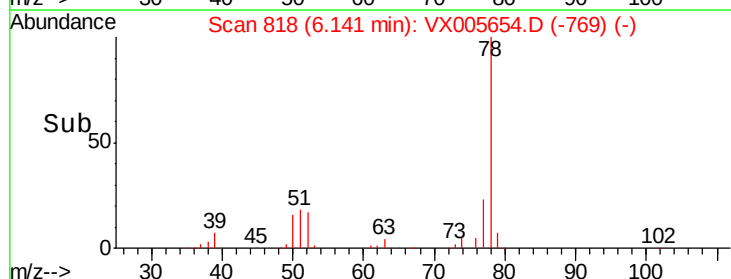
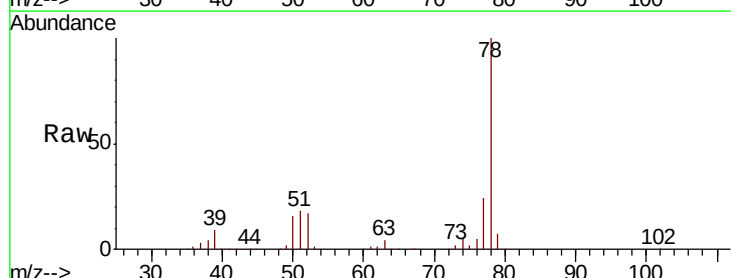
Manual Integrations
APPROVED

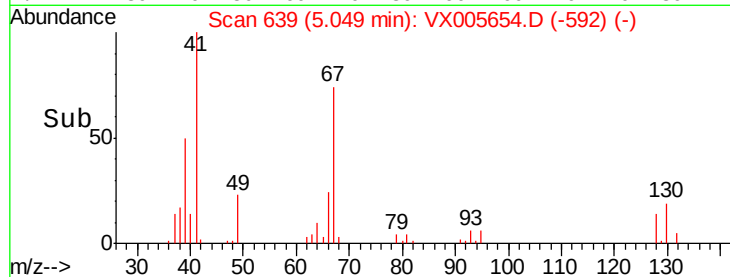
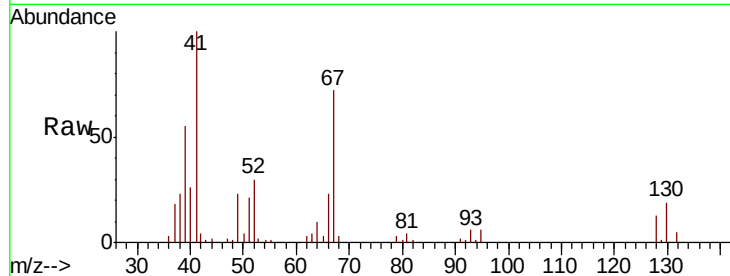
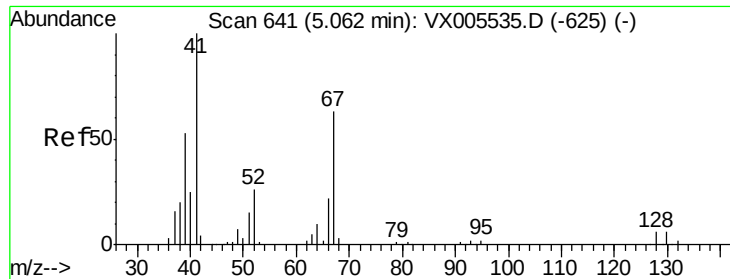
MMDadoda
10/30/2018 10:50:45 AM



#40
Benzene
Concen: 20.227 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





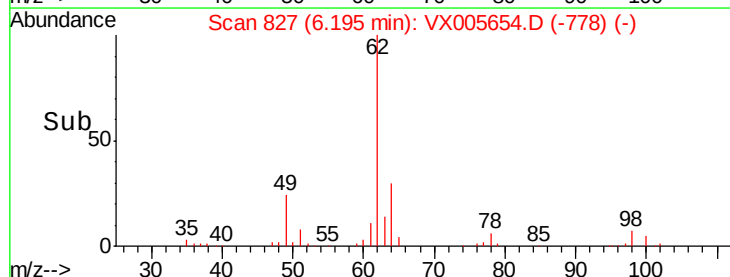
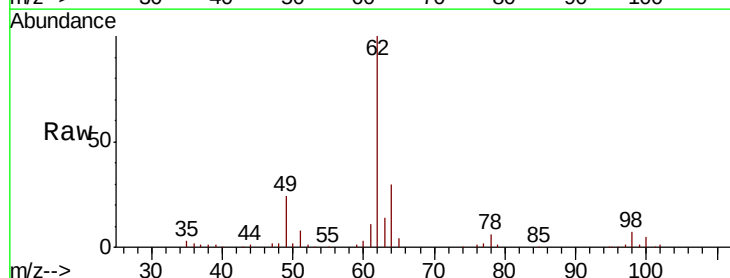
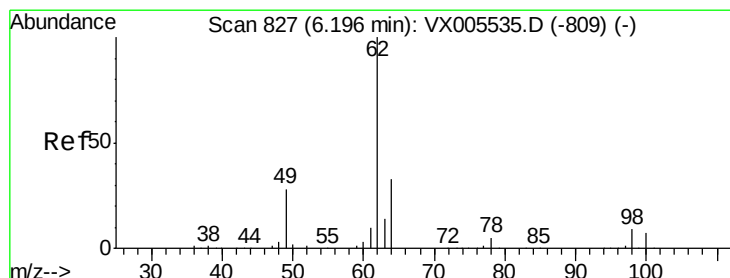
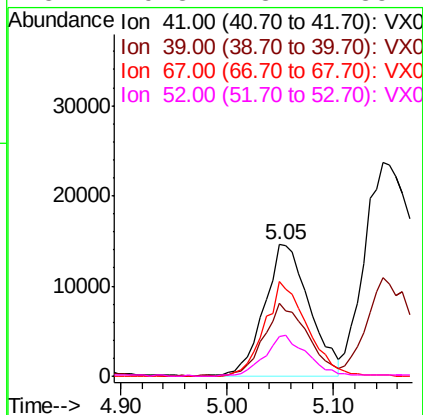
#41
Methacrylonitrile
Concen: 19.578 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	52.5	42.2	63.2
67	67	67.9	53.4	80.0
52	52	29.3	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

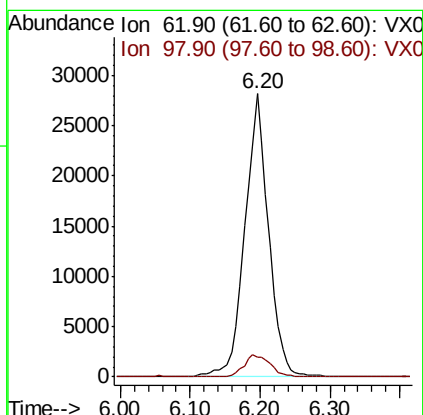
Manual Integrations
APPROVED

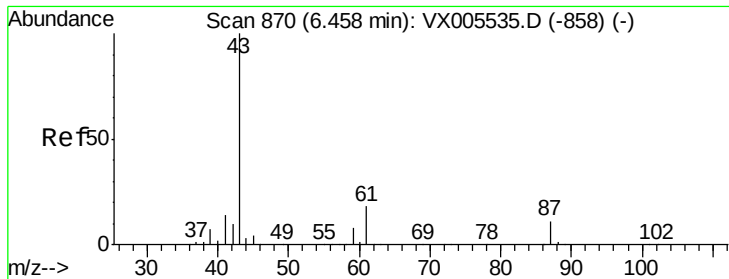
MMDadoda
10/30/2018 10:50:45 AM



#42
1,2-Dichloroethane
Concen: 19.623 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.035 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

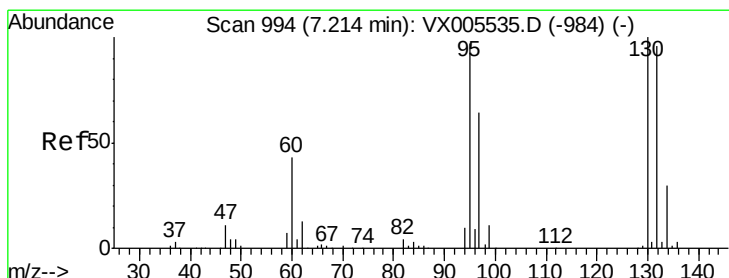
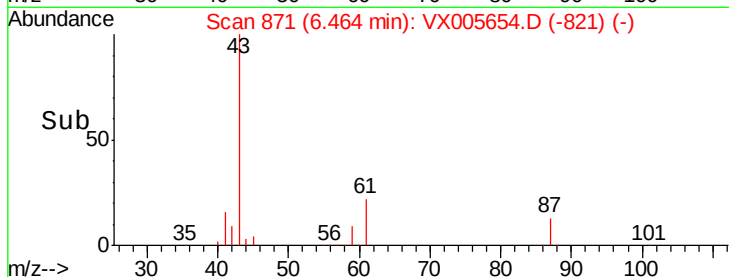
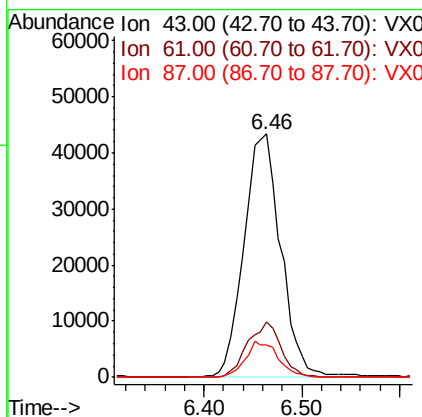
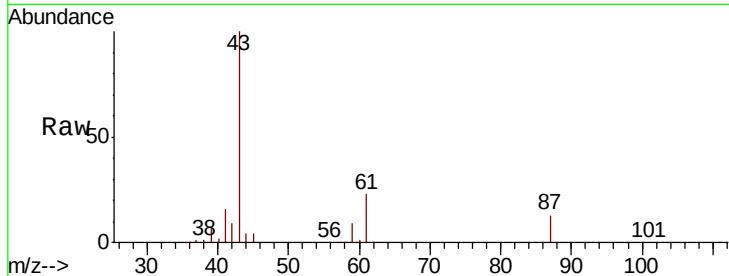
ClientSampleId :

VX1029WBS01

Tot Ion:	43	Resp:	112650
Ion	Ratio	Lower	Upper
43	100		
61	21.2	14.6	22.0
87	13.5	9.6	14.4

Manual Integrations
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MMDadoda
10/30/2018 10:50:45 AM



#44

Trichloroethene

Concen: 19.458 ug/l

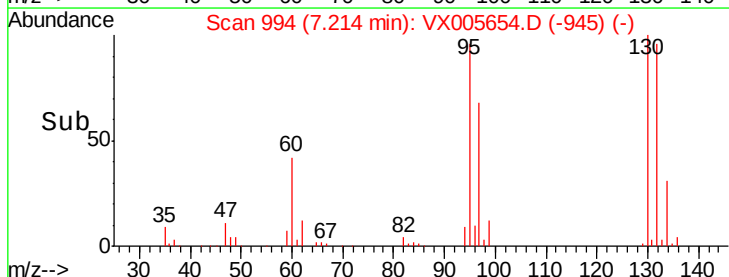
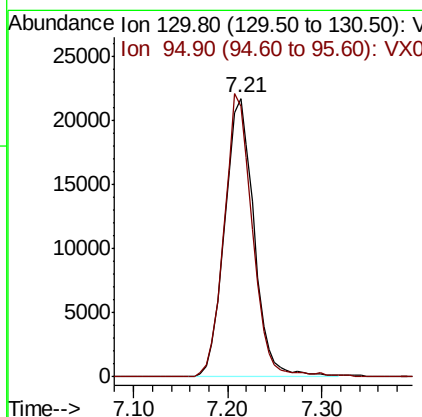
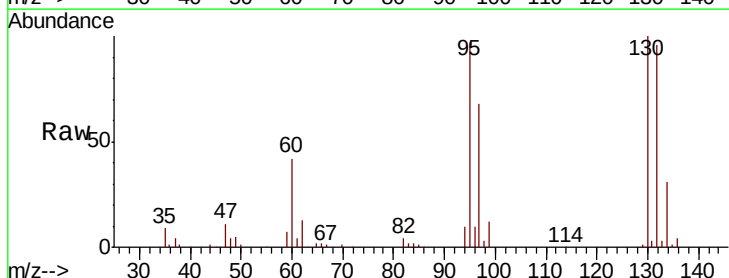
RT: 7.21 min Scan# 994

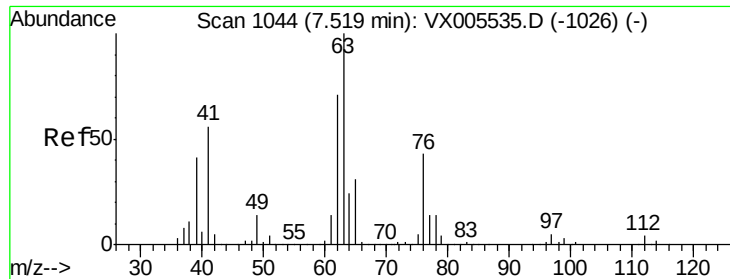
Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	130	Resp:	47028
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.2





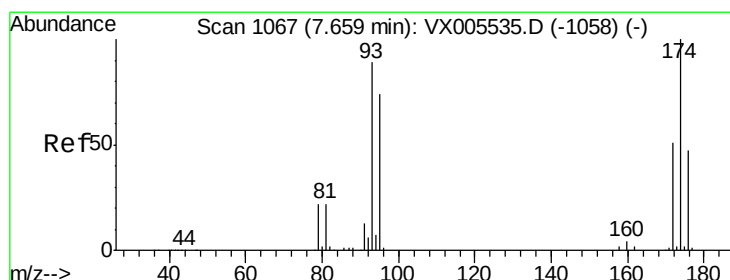
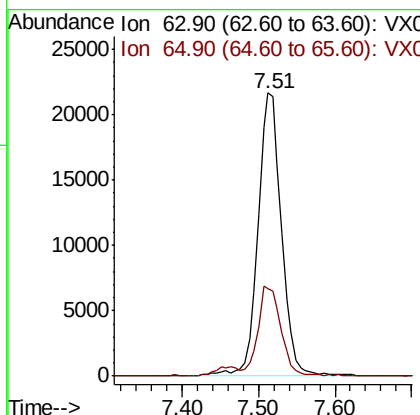
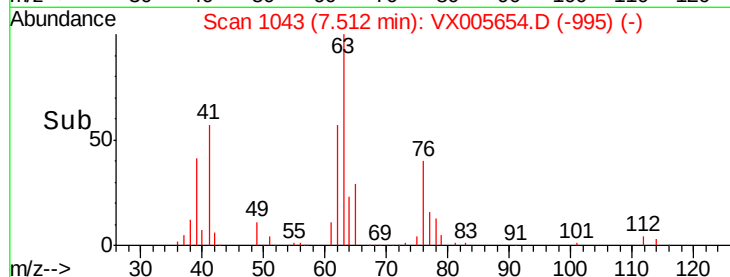
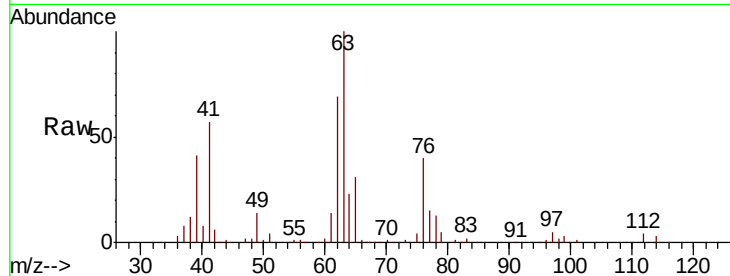
#45
 1,2-Dichloropropane
 Concen: 19.512 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion: 63 Resp: 46539
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

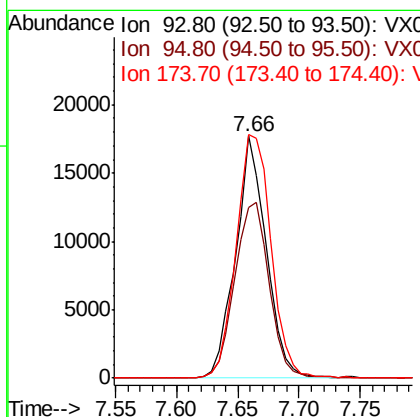
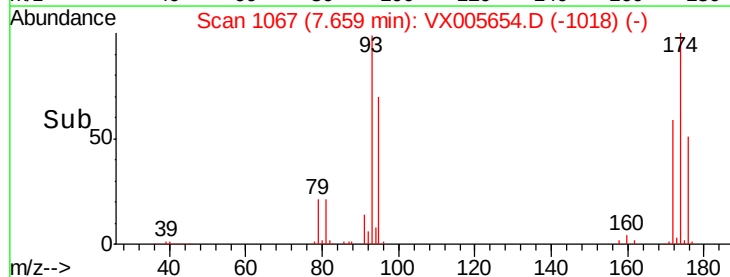
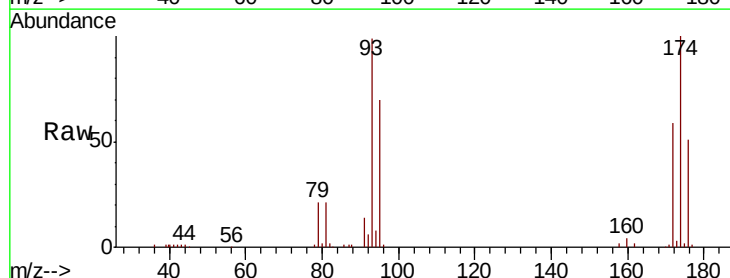
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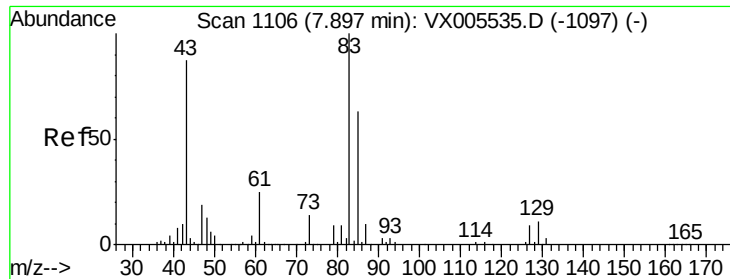
MMDadoda
 10/30/2018 10:50:45 AM



#46
 Dibromomethane
 Concen: 19.969 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion: 93 Resp: 30762
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.4 101.0
 174 114.9 91.5 137.3





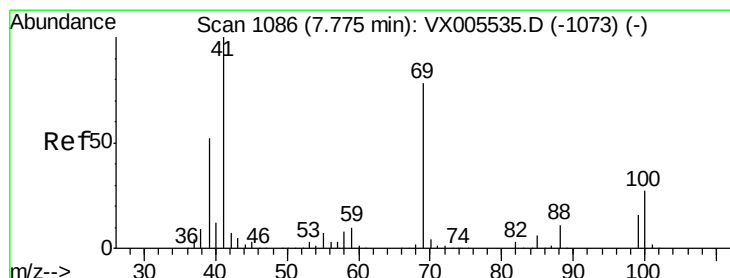
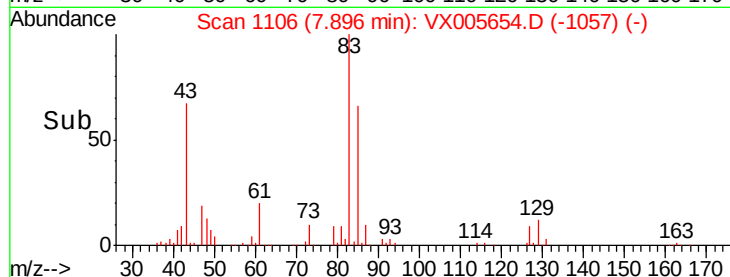
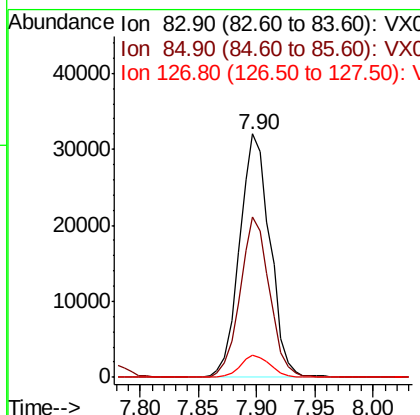
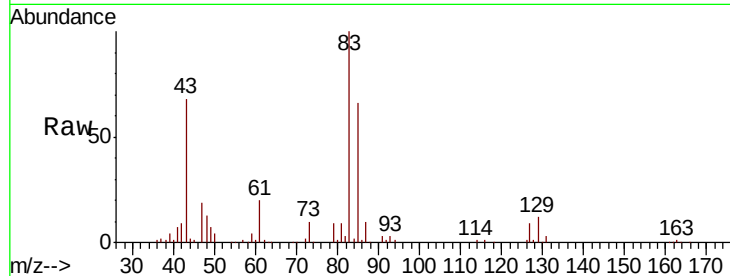
#47
 Bromodichloromethane
 Concen: 19.506 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	83	Resp	58319
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.2	75.4
127	9.2	6.9	10.3

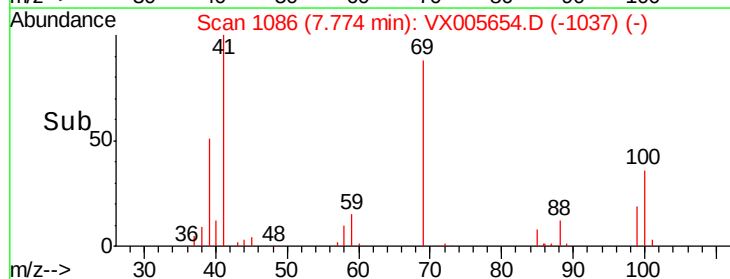
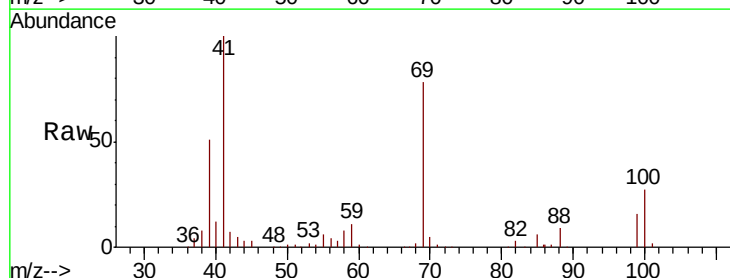
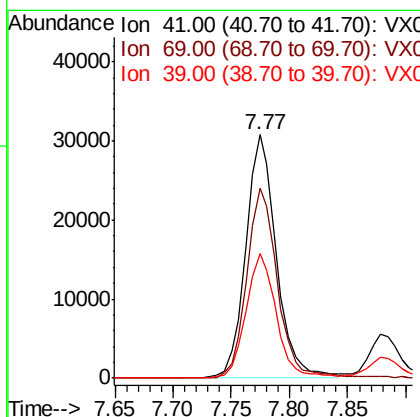
Manual Integrations
 APPROVED

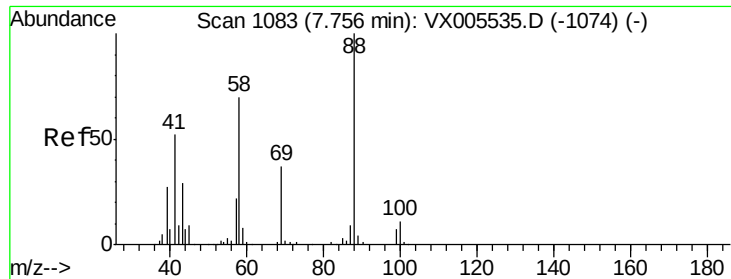
MMDadoda
 10/30/2018 10:50:45 AM



#48
 Methyl methacrylate
 Concen: 19.393 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	41	Resp	55911
Ion Ratio	Lower	Upper	
41	100		
69	79.5	63.2	94.8
39	51.3	42.2	63.2





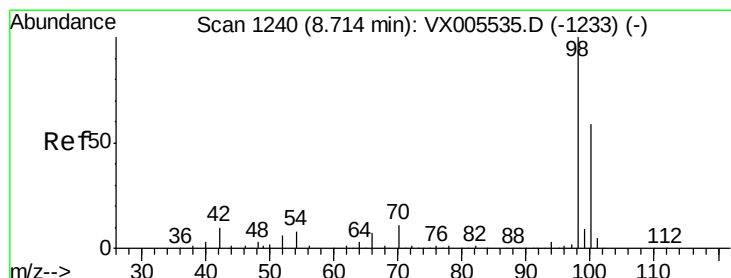
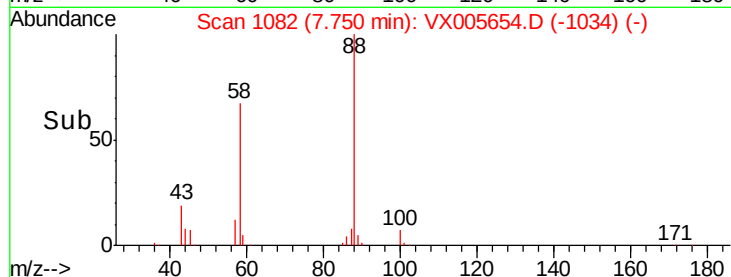
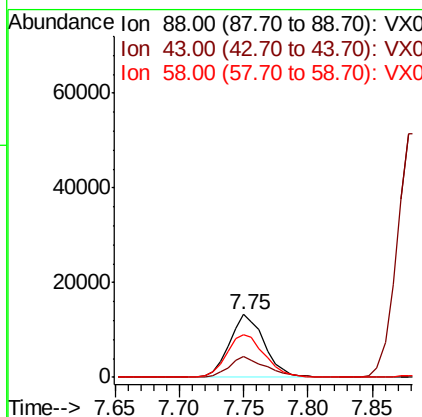
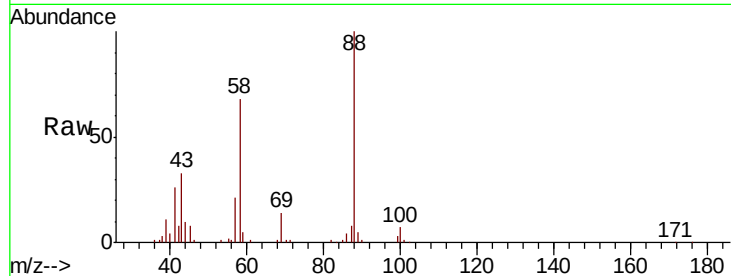
#49
1,4-Dioxane
Concen: 399.453 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.4	41.0
58	74.2	59.4	89.2

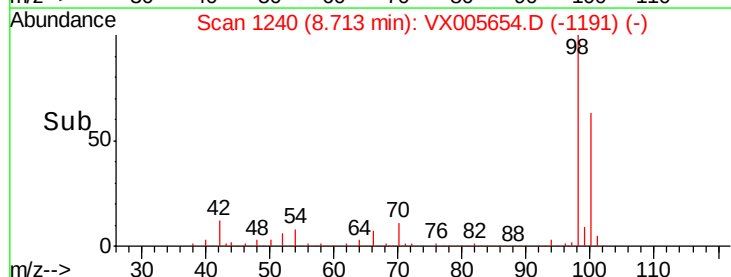
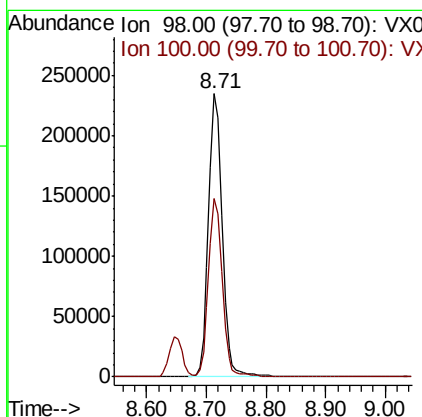
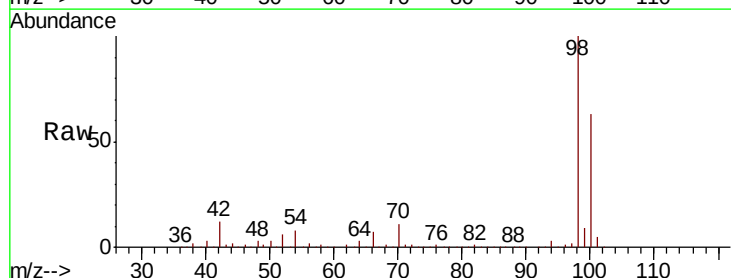
Manual Integrations
APPROVED

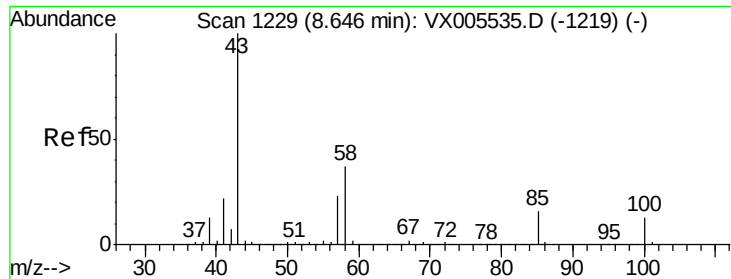
MMDadoda
10/30/2018 10:50:45 AM



#50
Toluene-d8
Concen: 47.980 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 95.550 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampled :

VX1029WBS01

Tot Ion: 43 Resp: 380027

Ion Ratio Lower Upper

43 100

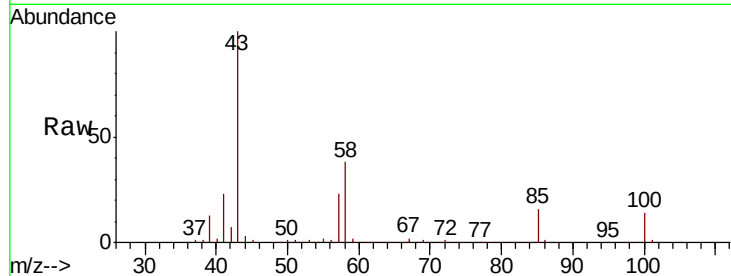
58 37.0 29.7 44.5

Manual Integrations

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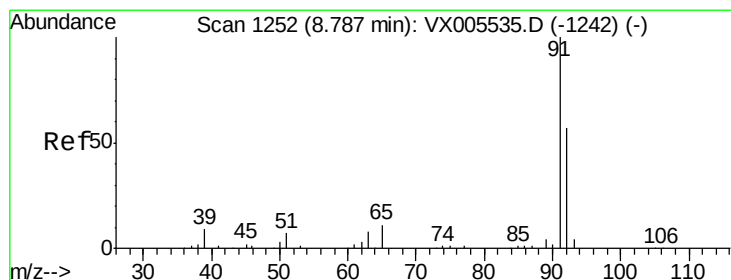
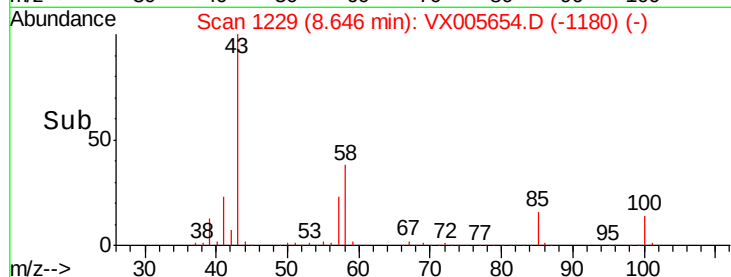
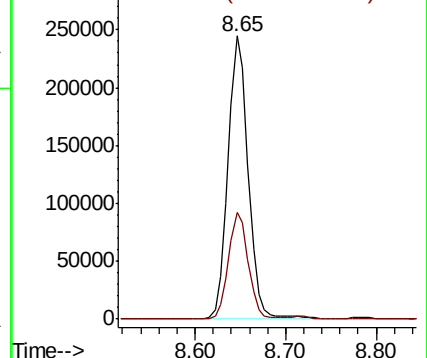
MMDadoda

10/30/2018 10:50:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.922 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005654.D

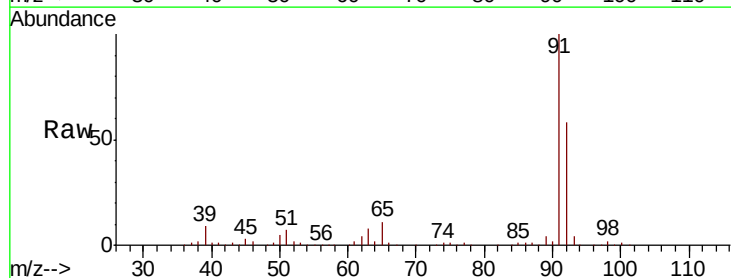
Acq: 29 Oct 2018 12:25

Tgt Ion: 92 Resp: 107415

Ion Ratio Lower Upper

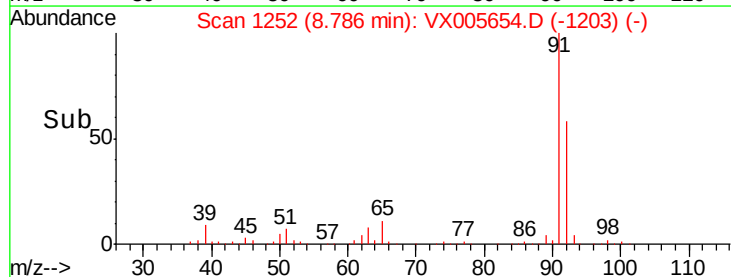
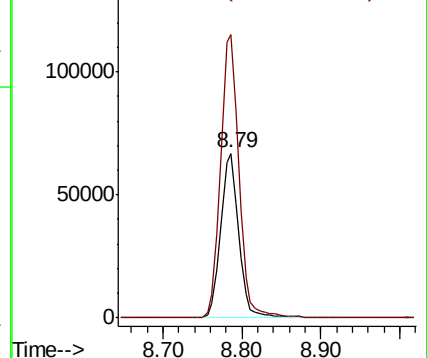
92 100

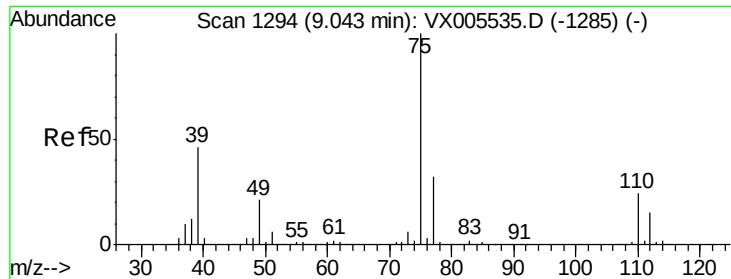
91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





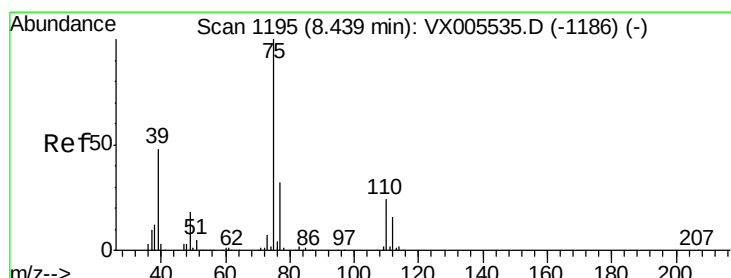
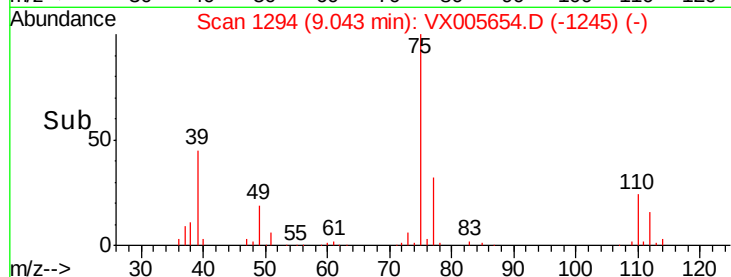
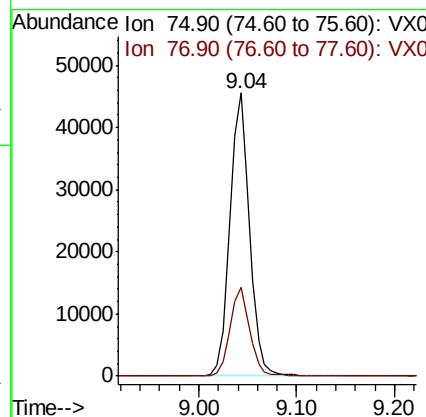
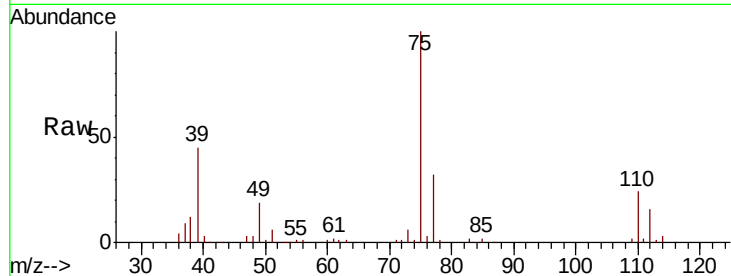
#53
t-1,3-Dichloropropene
Concen: 19.595 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion: 75 Resp: 63318
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

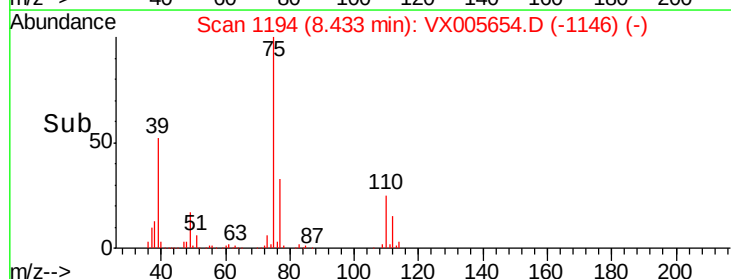
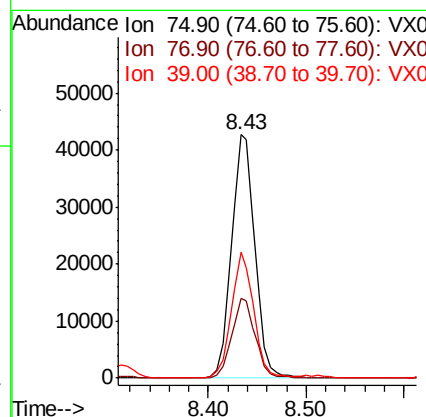
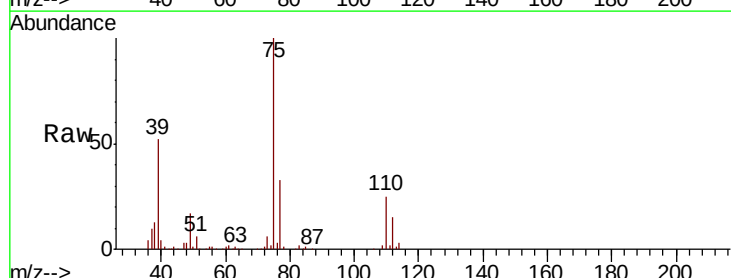
Manual Integrations
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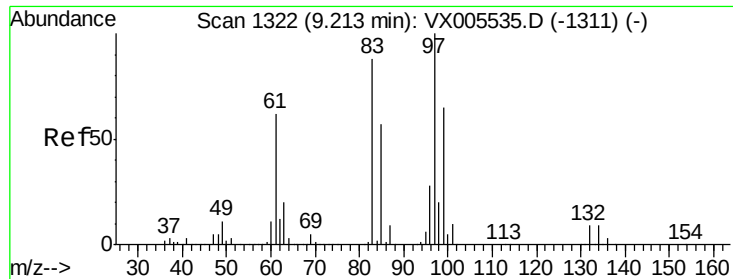
MMDadoda
10/30/2018 10:50:45 AM



#54
cis-1,3-Dichloropropene
Concen: 20.296 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion: 75 Resp: 70611
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 51.6 38.2 57.2





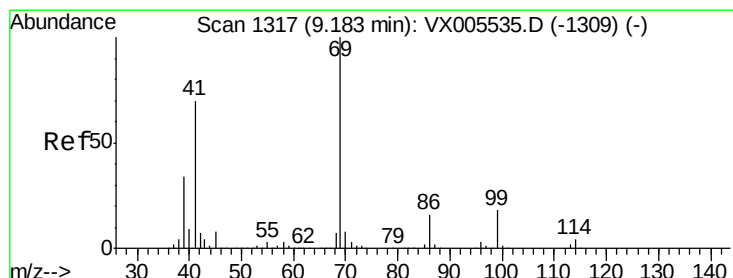
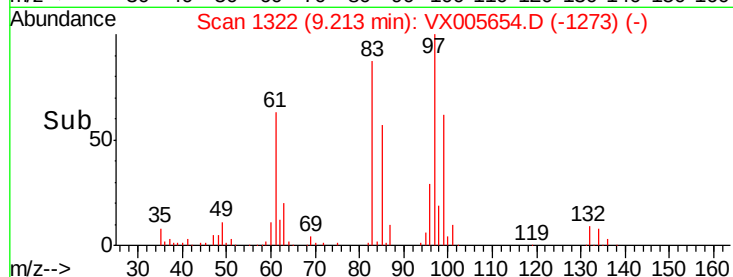
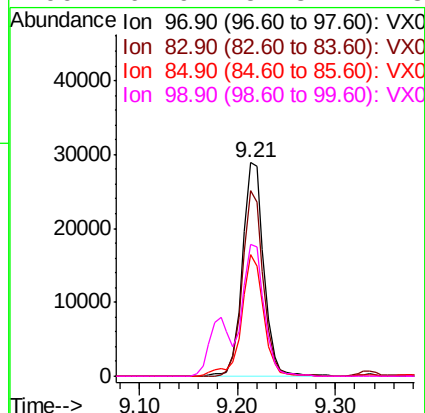
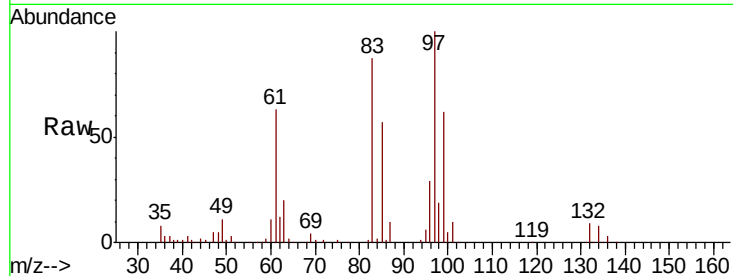
#55
 1,1,2-Trichloroethane
 Concen: 19.336 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.7	106.1
85	56.9	45.8	68.6
99	61.9	51.8	77.8

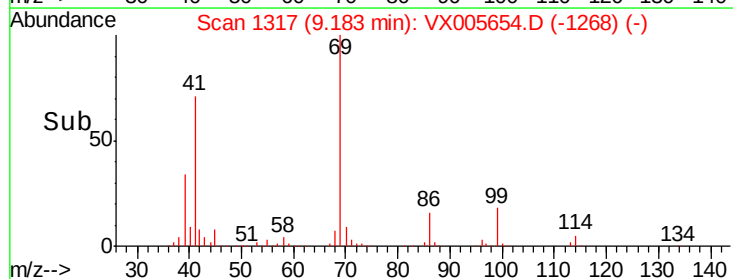
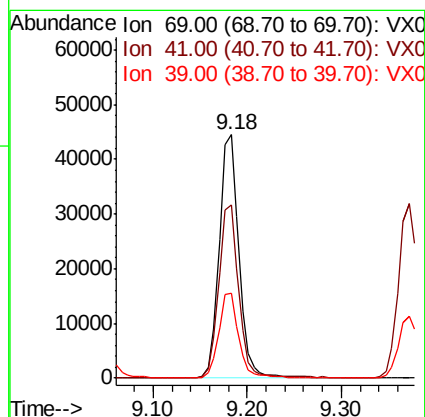
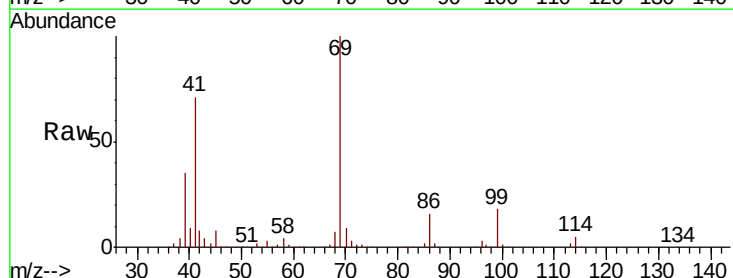
Manual Integrations
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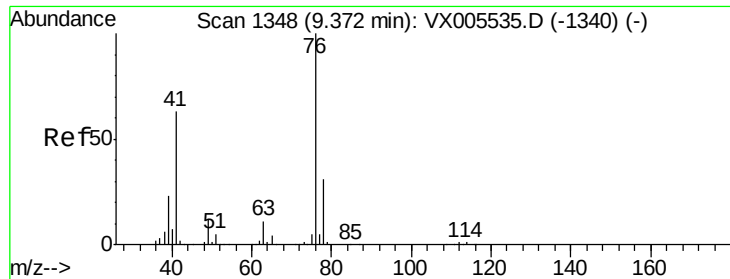
MMDadoda
 10/30/2018 10:50:45 AM



#56
 Ethyl methacrylate
 Concen: 19.080 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.6
39	34.6	28.3	42.5





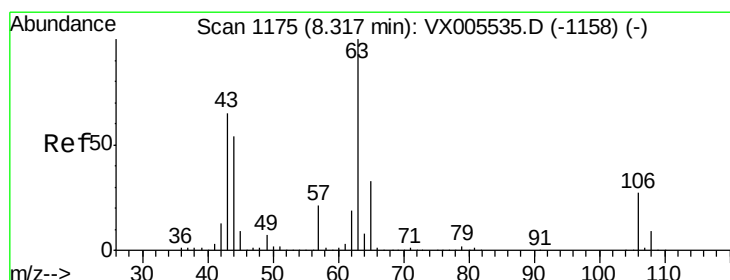
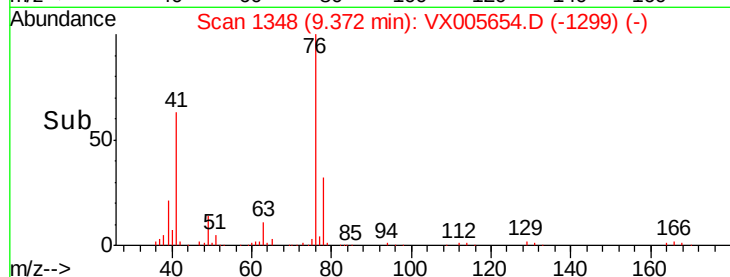
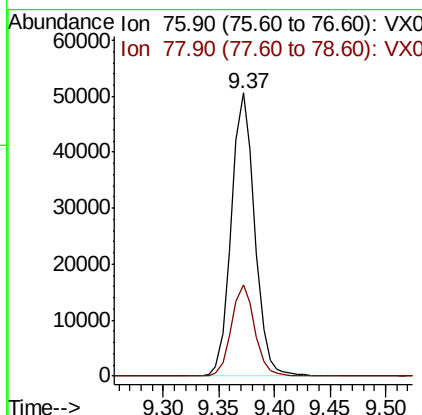
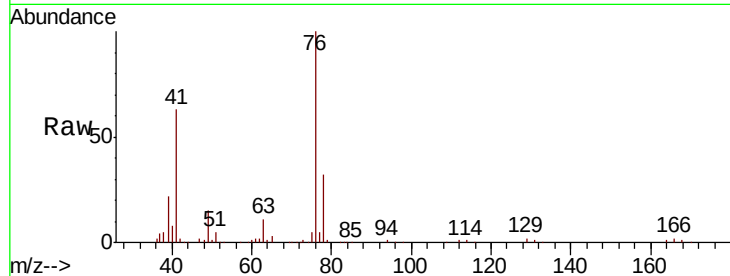
#57
 1,3-Dichloropropane
 Concen: 19.194 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion: 76 Resp: 73827
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

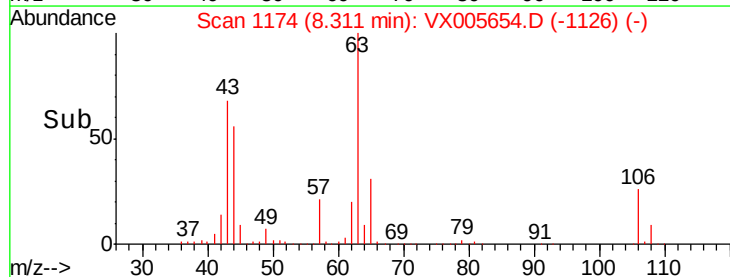
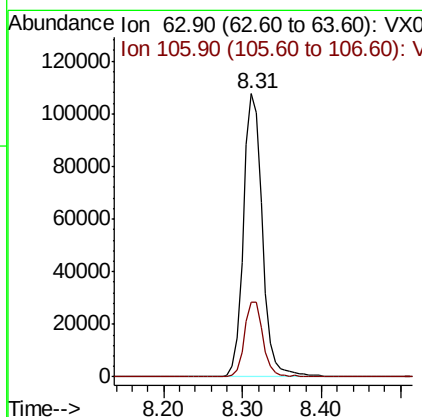
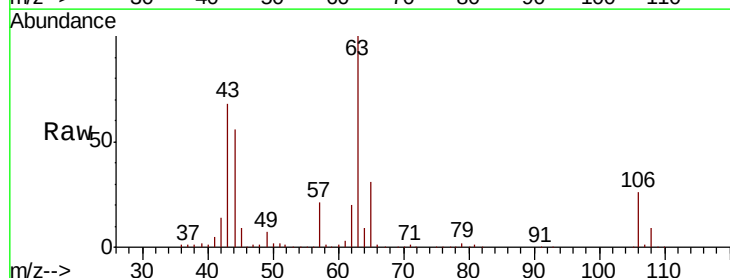
Manual Integrations
 APPROVED

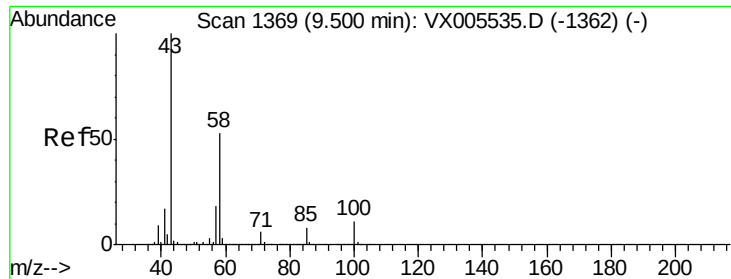
MMDadoda
 10/30/2018 10:50:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.768 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion: 63 Resp: 179464
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





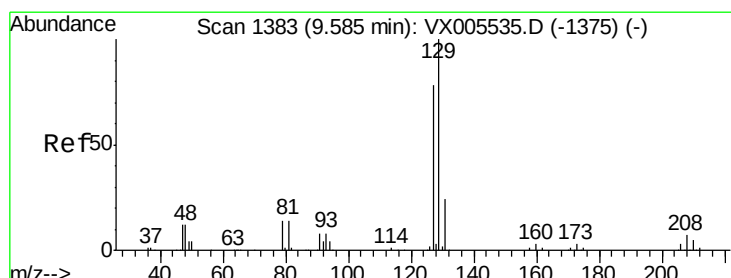
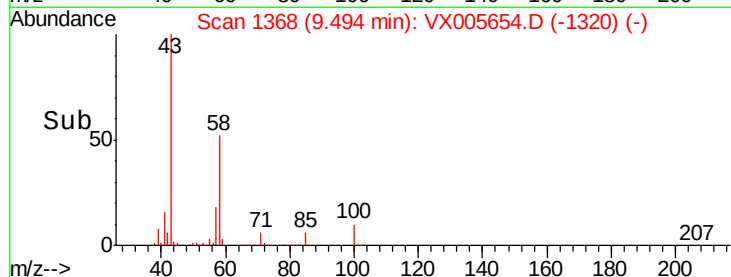
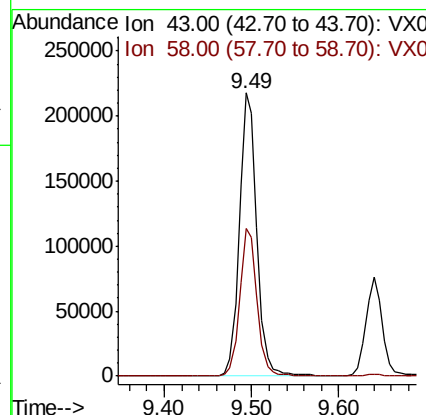
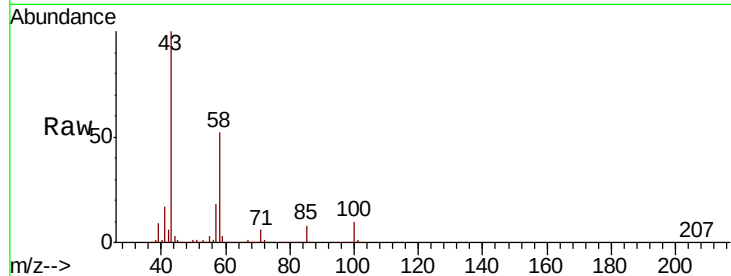
#59
2-Hexanone
Concen: 97.181 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion: 43 Resp: 304746
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8

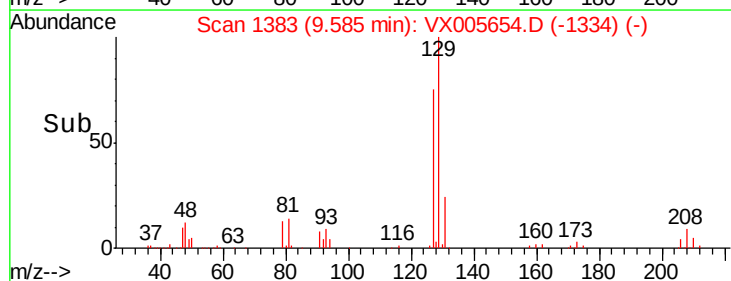
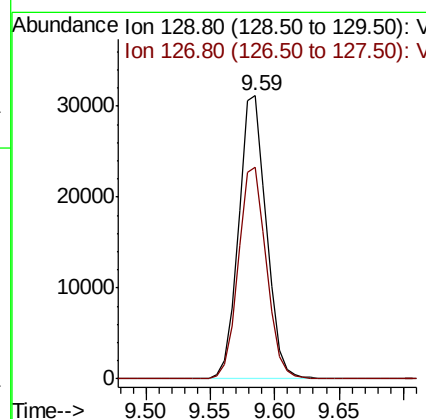
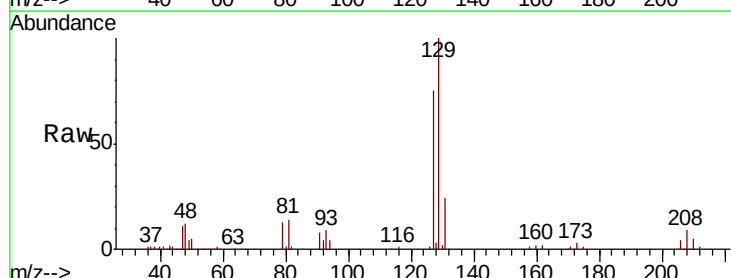
Manual Integrations
APPROVED

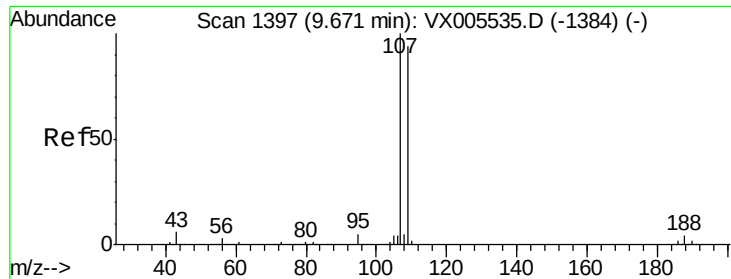
MMDadoda
10/30/2018 10:50:45 AM



#60
Dibromochloromethane
Concen: 19.645 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion: 129 Resp: 46593
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.706 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 107 Resp: 46342

Ion Ratio Lower Upper

107 100

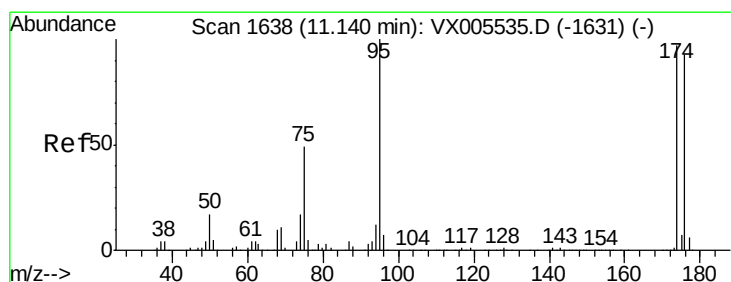
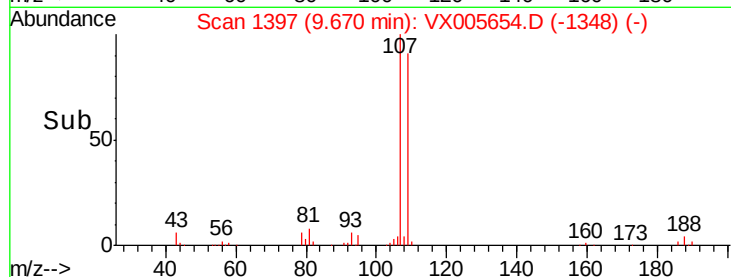
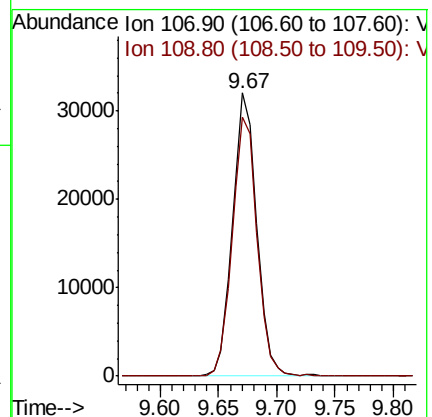
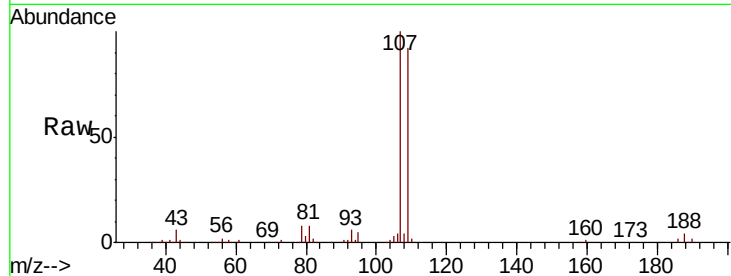
109 94.3 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 47.778 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

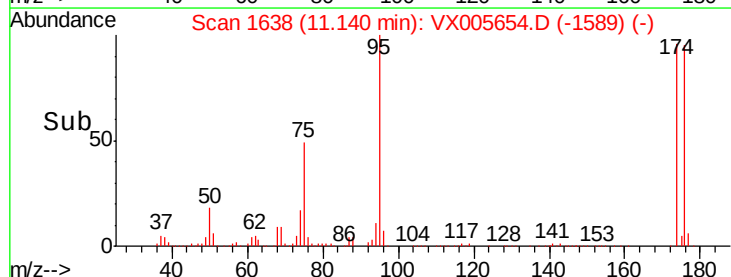
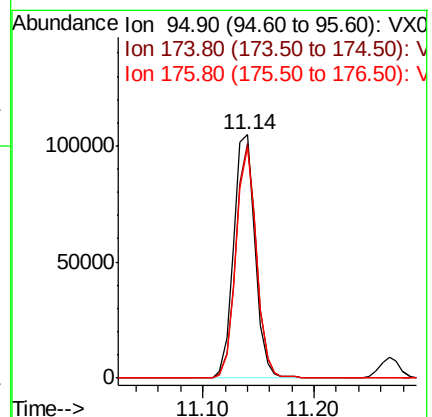
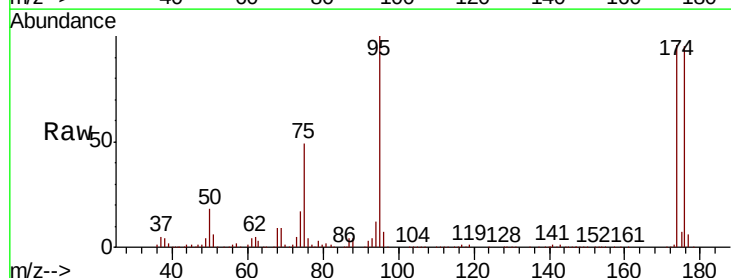
Tgt Ion: 95 Resp: 139997

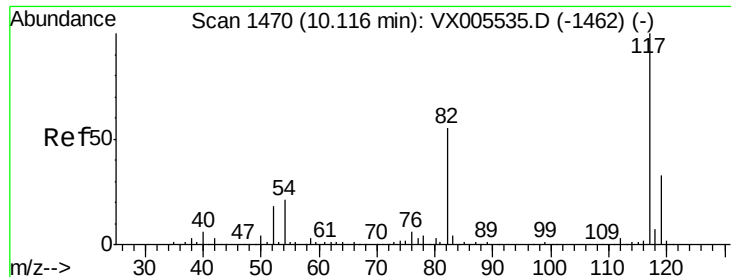
Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

176 90.1 0.0 177.4





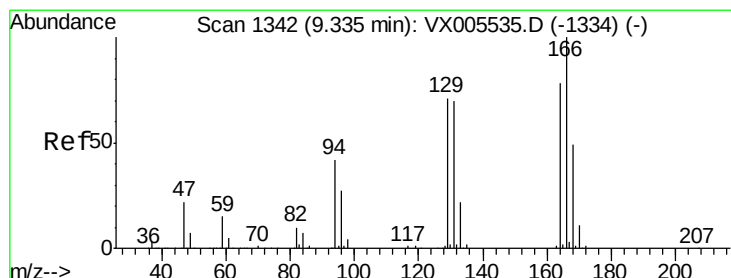
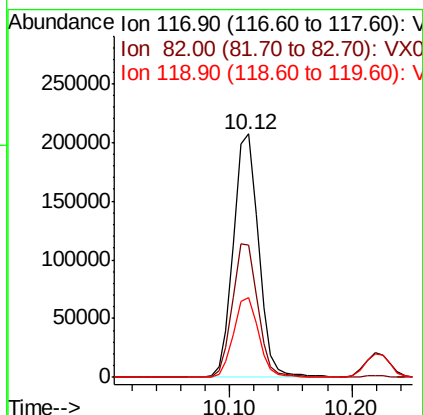
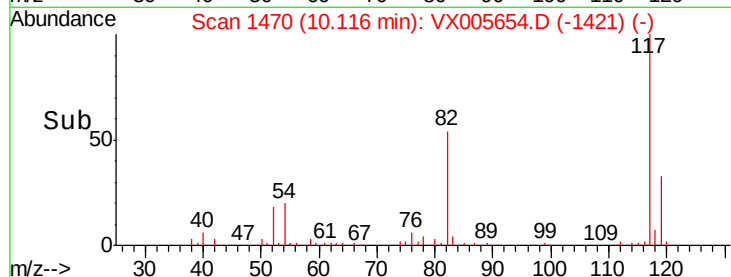
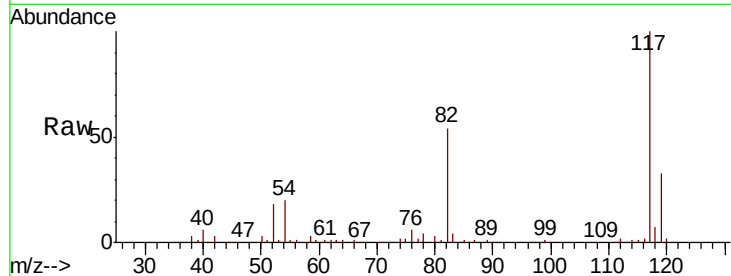
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294888		
82	54.1		44.1	66.1
119	32.6		26.2	39.2

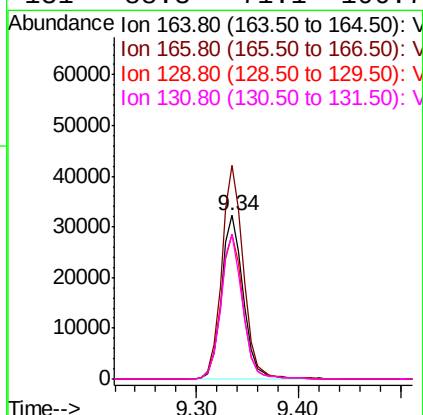
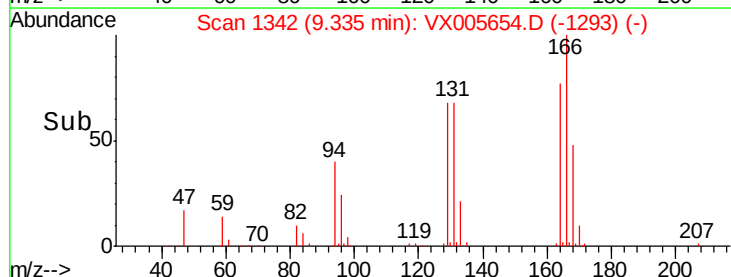
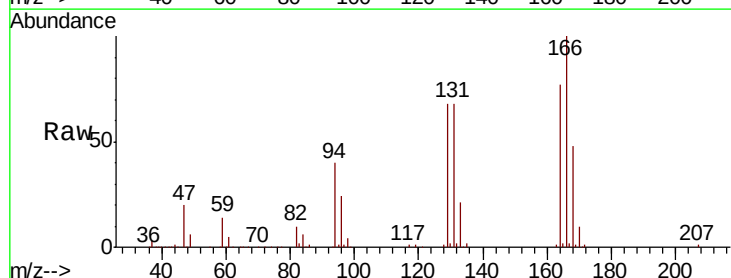
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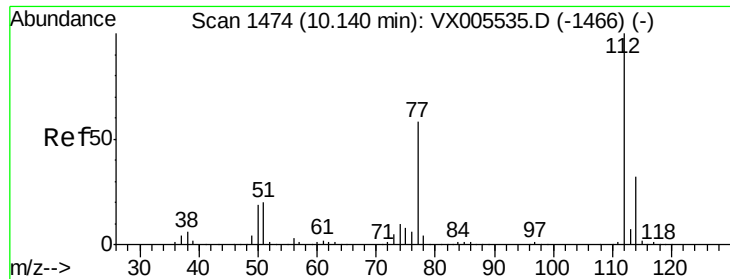
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#64
Tetrachloroethene
Concen: 19.576 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47921		
166	130.5		101.9	152.9
129	88.3		72.6	109.0
131	88.3		71.1	106.7





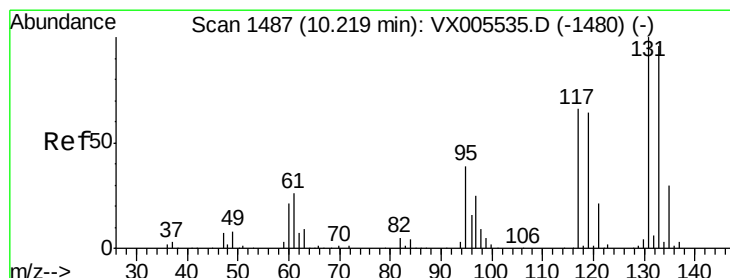
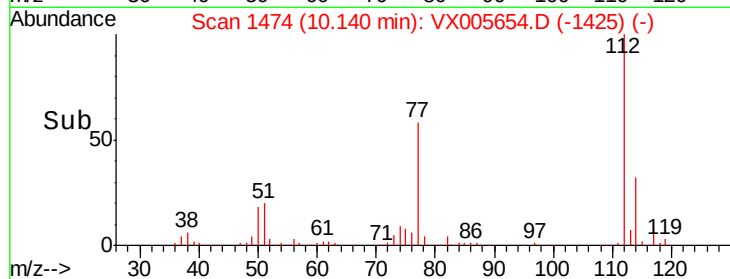
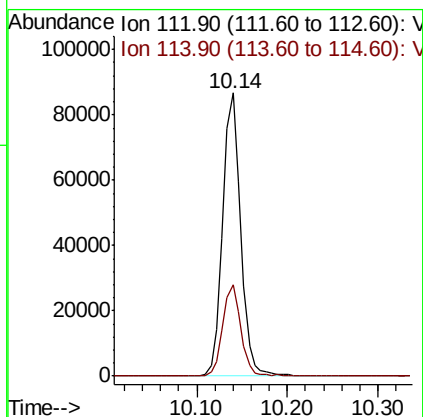
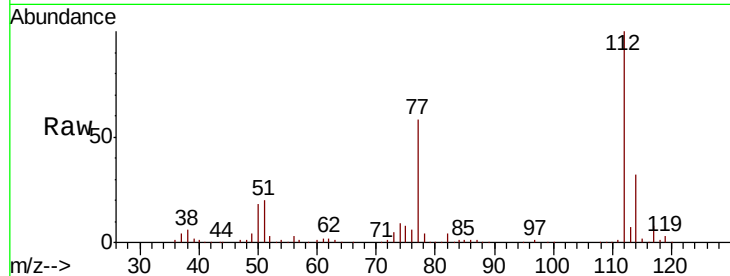
#65
Chlorobenzene
Concen: 19.185 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VX1029WBS01

Tot Ion:112 Resp: 120471
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

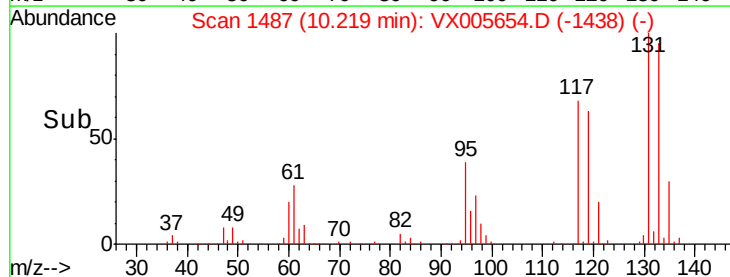
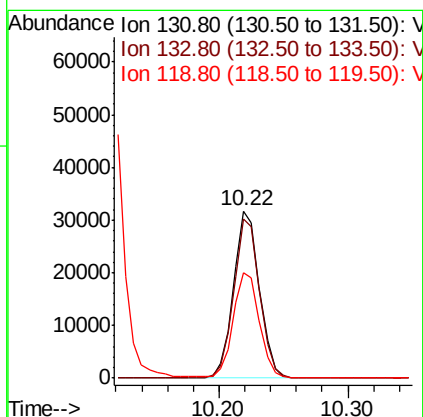
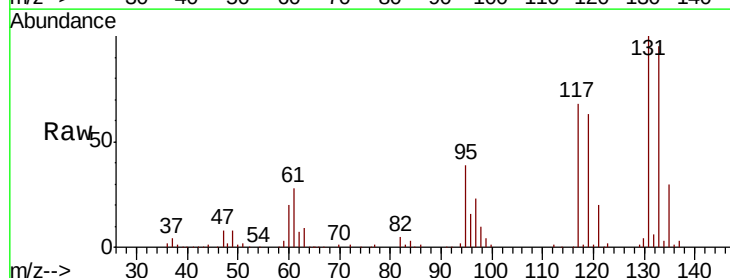
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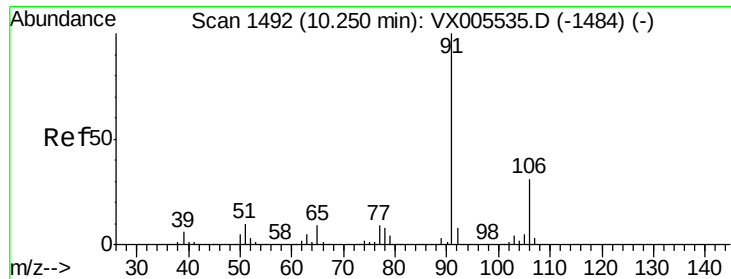
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.389 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion:131 Resp: 44395
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 64.0 31.8 95.3





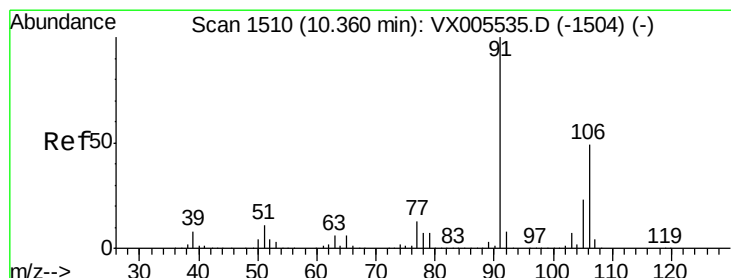
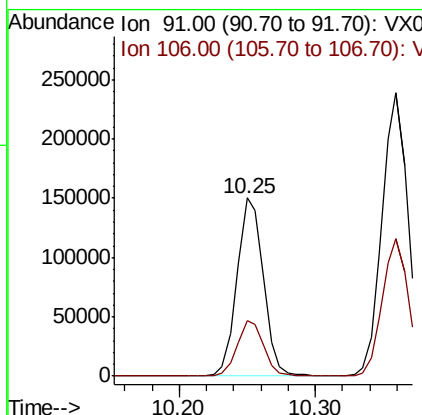
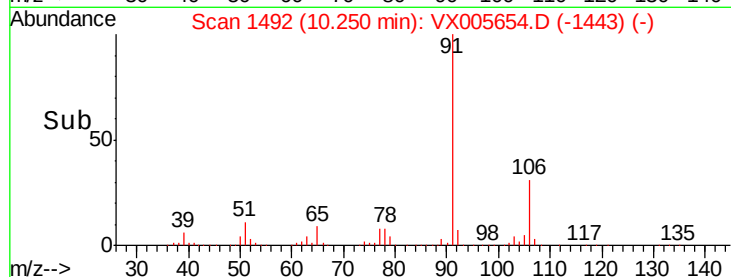
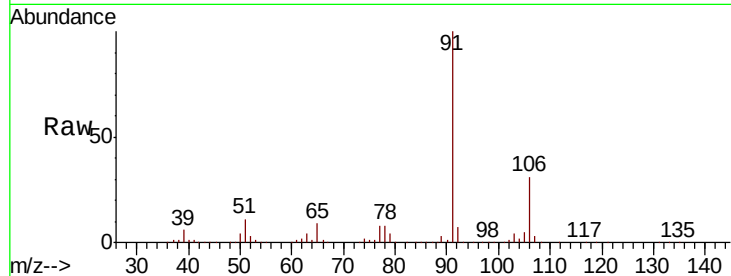
#67
Ethyl Benzene
Concen: 19.692 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion: 91 Resp: 203443
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

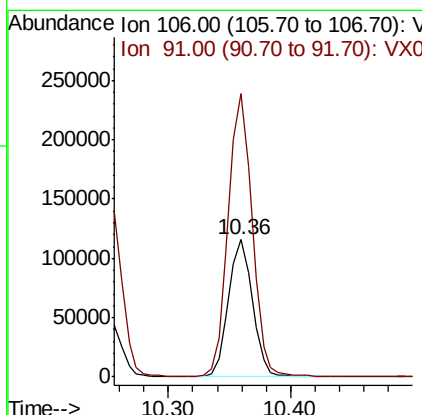
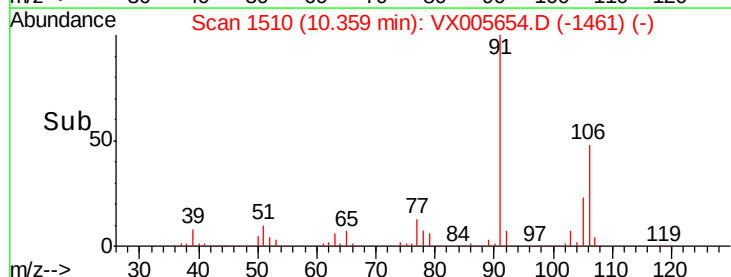
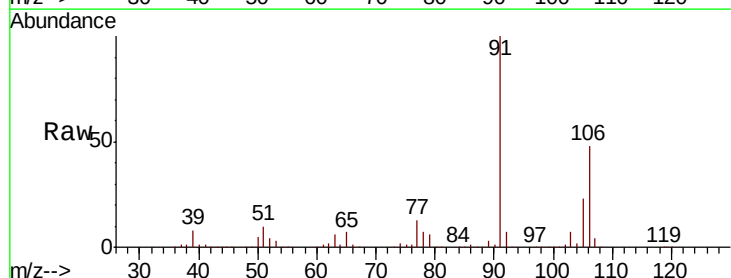
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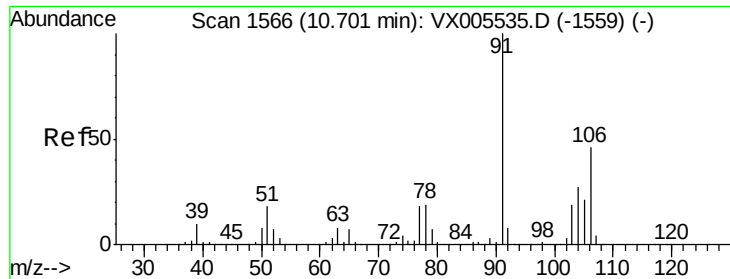
MMDadoda
10/30/2018 10:50:45 AM



#68
m/p-Xylenes
Concen: 39.315 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion: 106 Resp: 157588
Ion Ratio Lower Upper
106 100
91 206.3 164.2 246.4





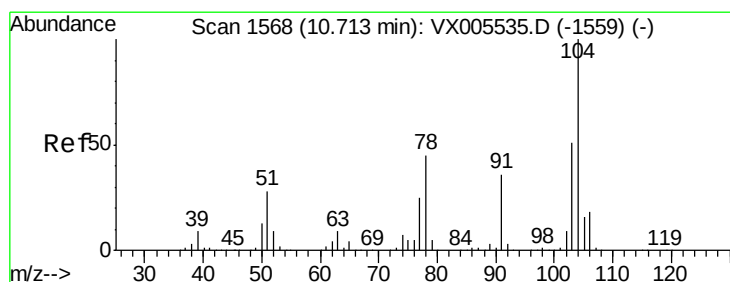
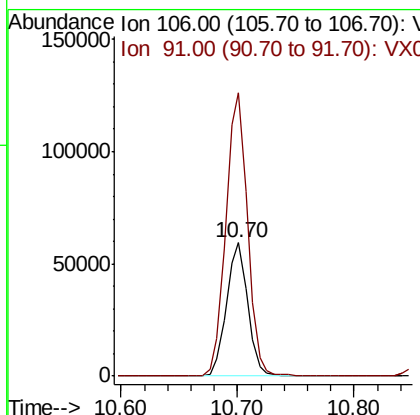
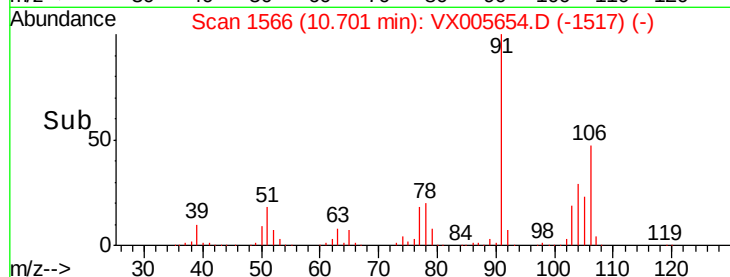
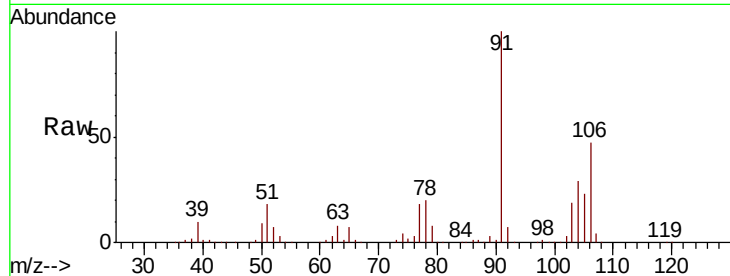
#69
o-Xylene
Concen: 19.936 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion:106 Resp: 75179
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5

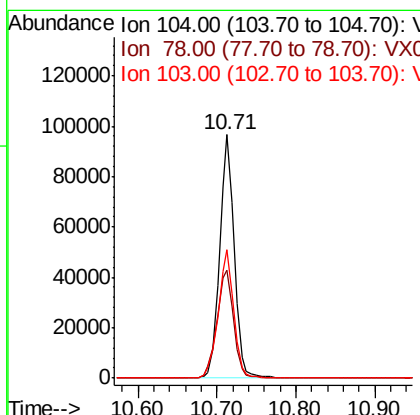
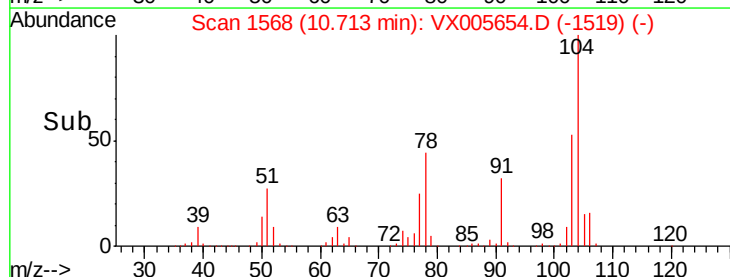
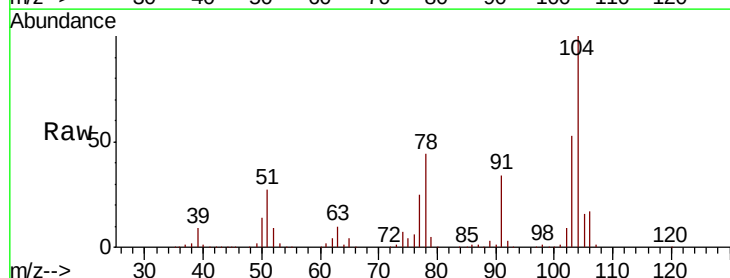
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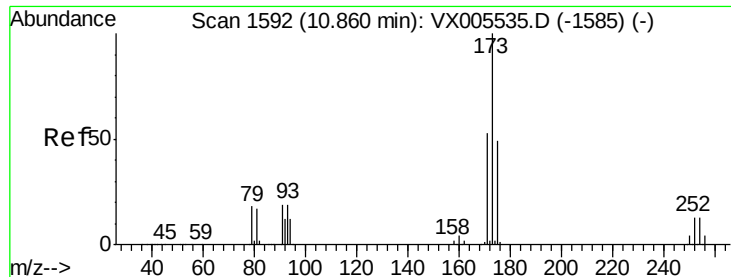
MMDadoda
10/30/2018 10:50:45 AM



#70
Styrene
Concen: 19.777 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion:104 Resp: 124850
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.1 44.9 67.3





#71

Bromoform

Concen: 18.670 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion:173 Resp: 38147

Ion Ratio Lower Upper

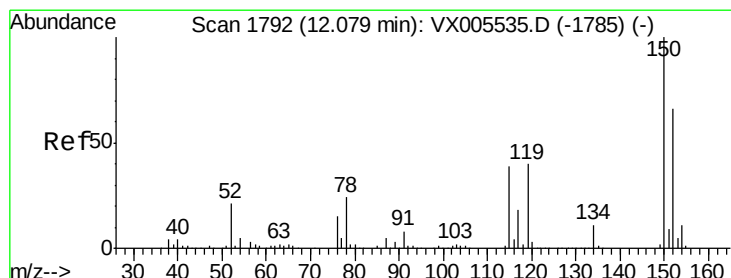
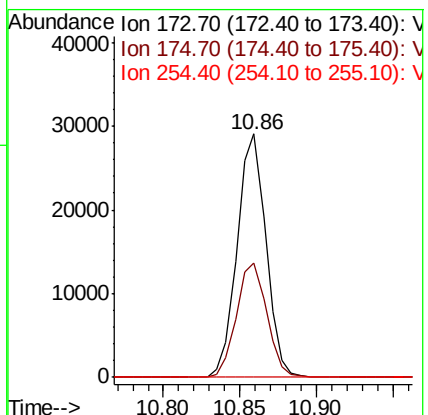
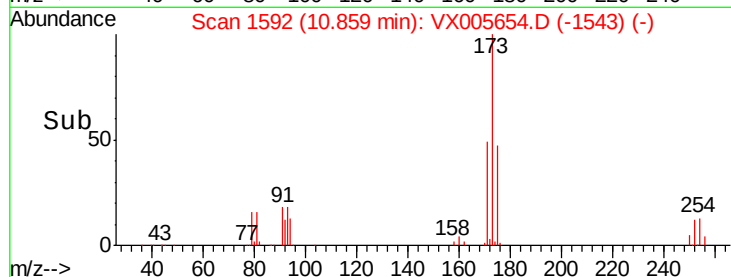
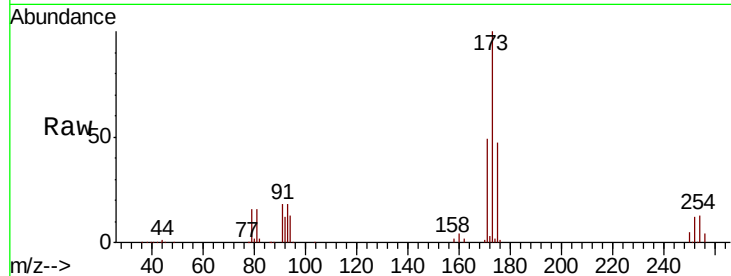
173 100

175 49.3 24.8 74.3

254 0.0 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

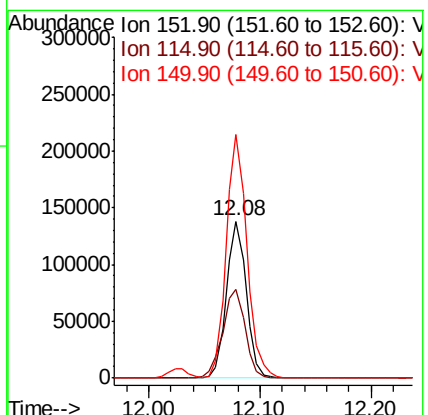
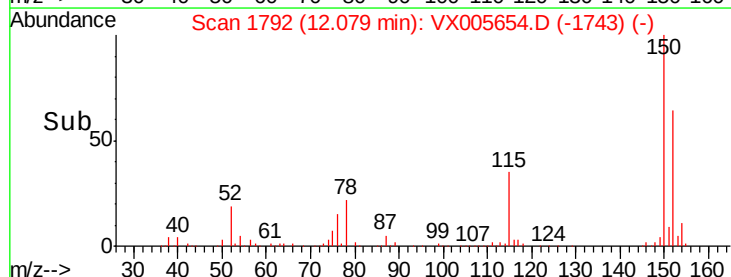
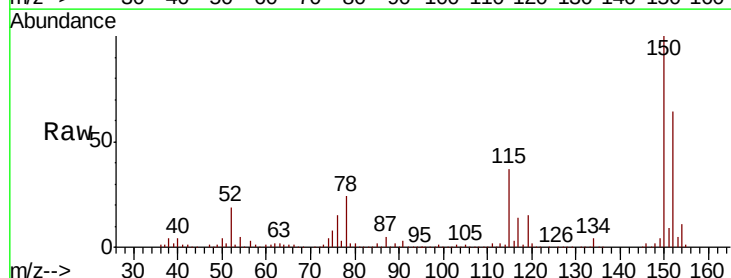
Tgt Ion:152 Resp: 169431

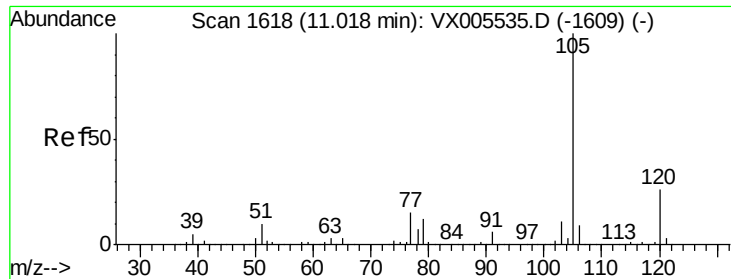
Ion Ratio Lower Upper

152 100

115 64.5 39.4 118.1

150 162.3 0.0 346.4





#73

Isopropylbenzene

Concen: 20.345 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 105 Resp: 210713

Ion Ratio Lower Upper

105 100

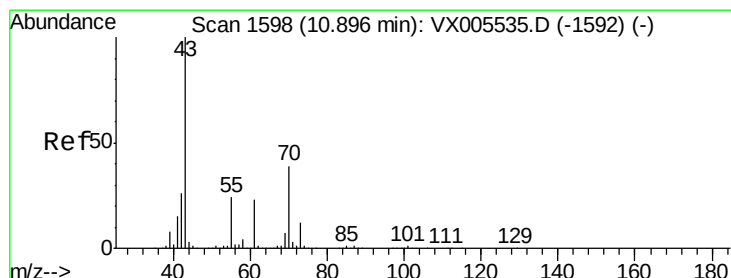
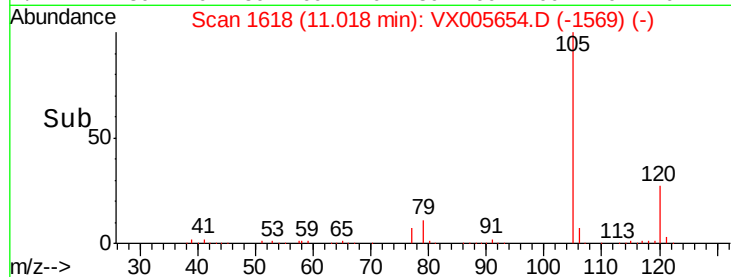
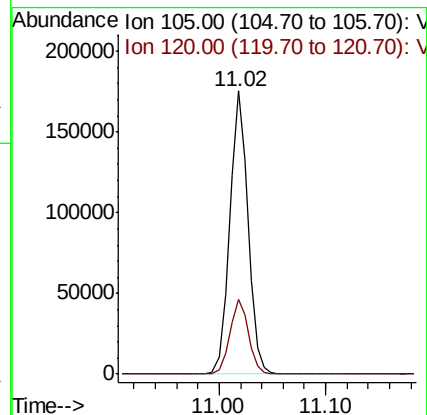
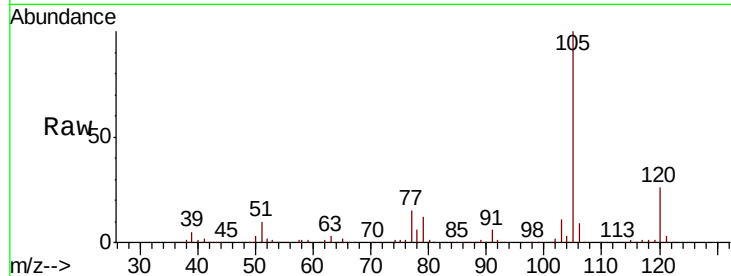
120 26.6 13.1 39.3

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#74

N-ethyl acetate

Concen: 18.543 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion: 43 Resp: 95161

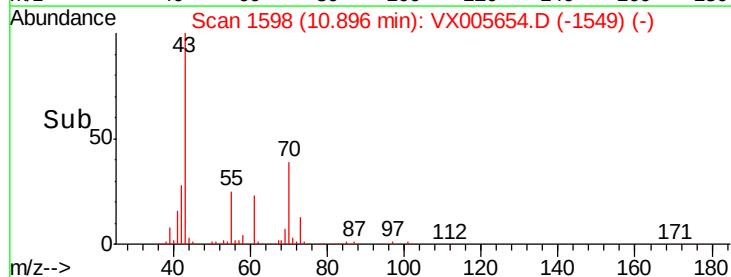
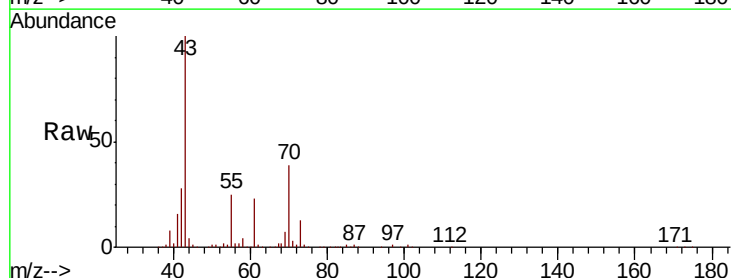
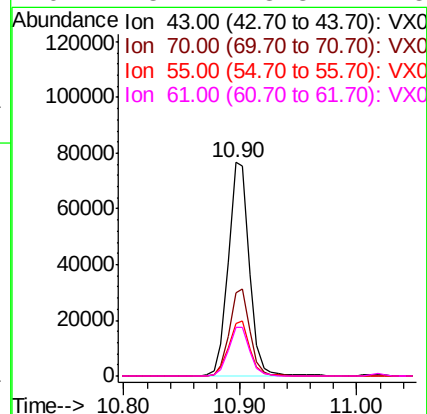
Ion Ratio Lower Upper

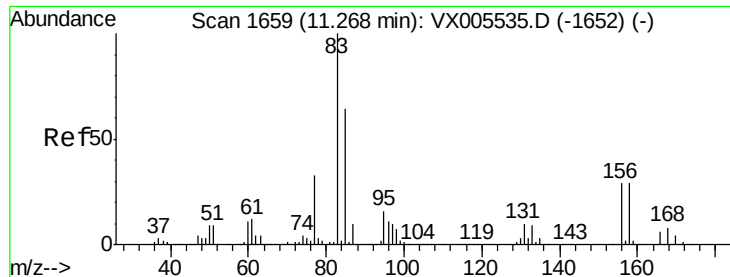
43 100

70 40.1 31.6 47.4

55 26.3 19.7 29.5

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.547 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

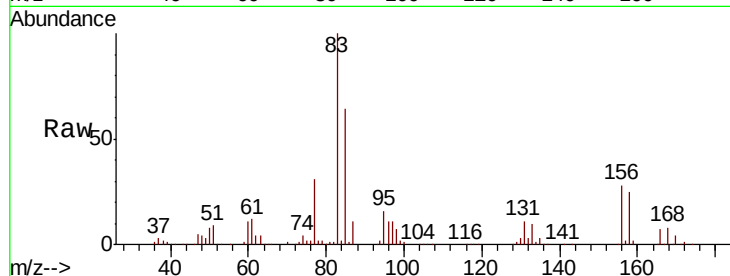
ClientSampleId :

VX1029WBS01

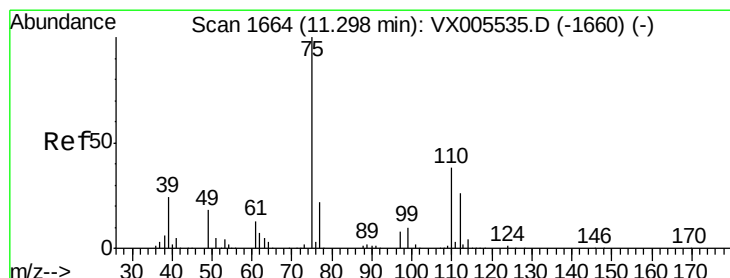
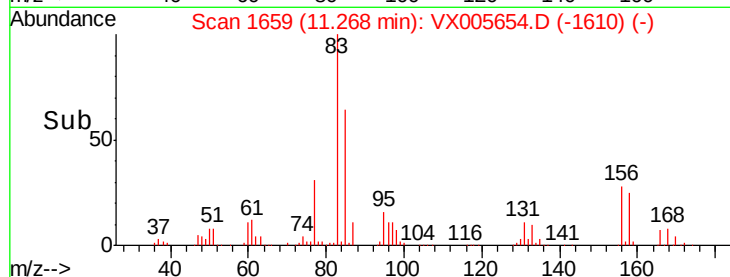
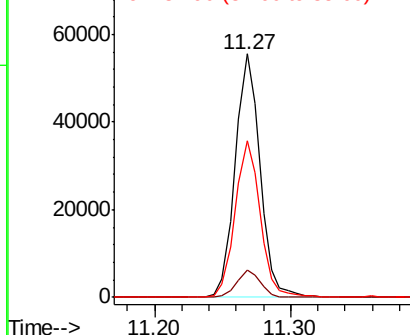
Tot Ion:	83	Resp:	70867
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.7	32.0	96.2

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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: 19.120 ug/l m

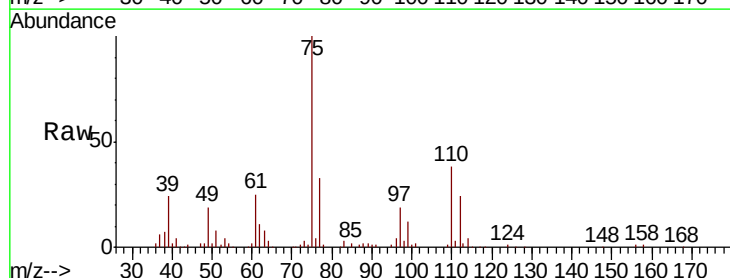
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

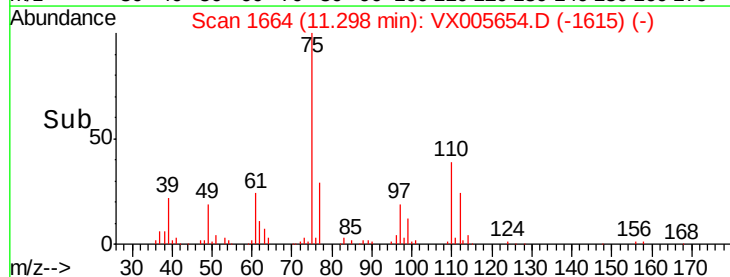
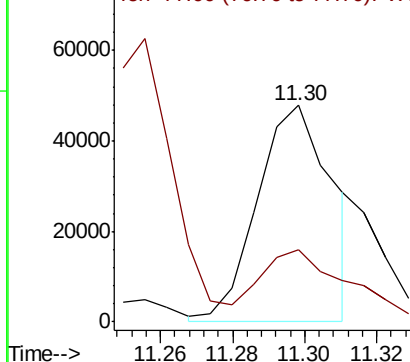
Lab File: VX005654.D

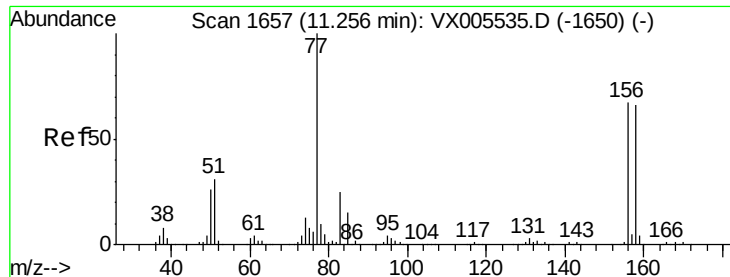
Acq: 29 Oct 2018 12:25

Tgt Ion:	75	Resp:	68638
Ion Ratio	Lower	Upper	
75	100		
77	39.4	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: 19.500 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion:156 Resp: 56286

Ion Ratio Lower Upper

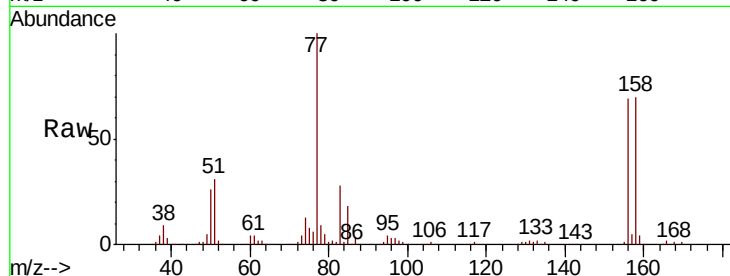
156 100

77 146.6 74.8 224.4

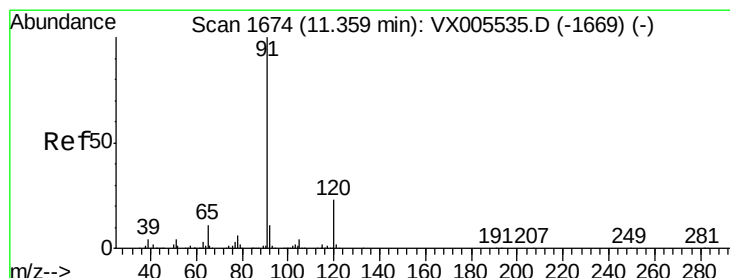
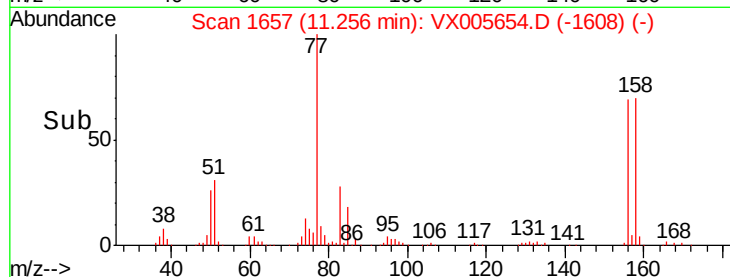
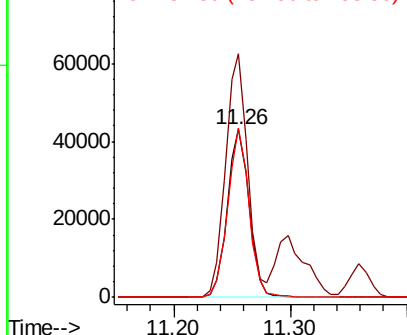
158 98.2 49.1 147.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.585 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005654.D

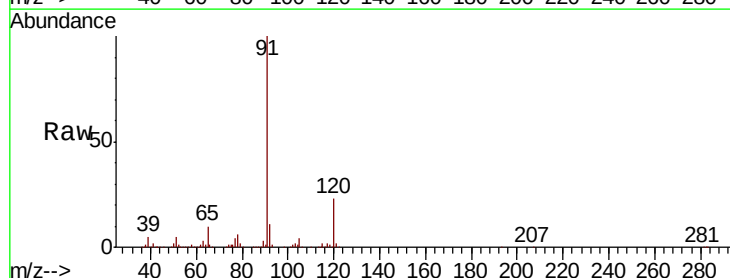
Acq: 29 Oct 2018 12:25

Tgt Ion: 91 Resp: 243786

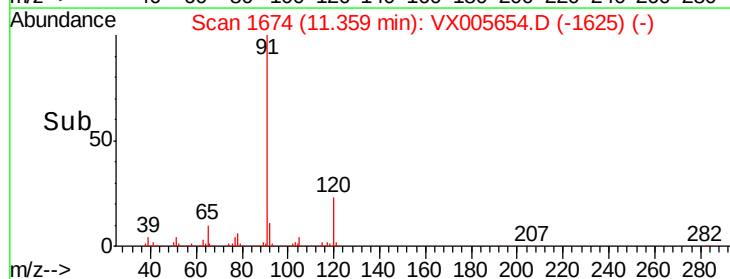
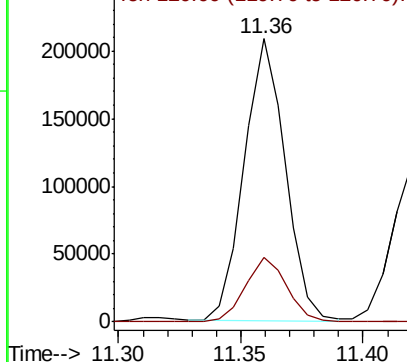
Ion Ratio Lower Upper

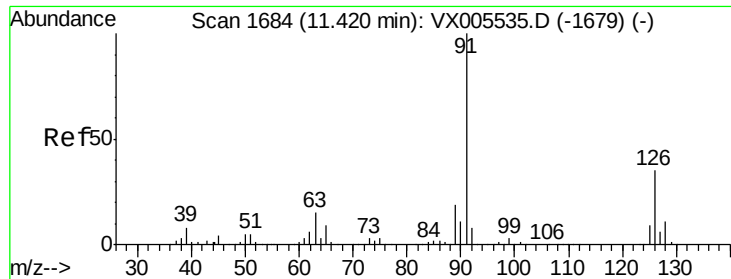
91 100

120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.678 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS01

Tot Ion: 91 Resp: 144493

Ion Ratio Lower Upper

91 100

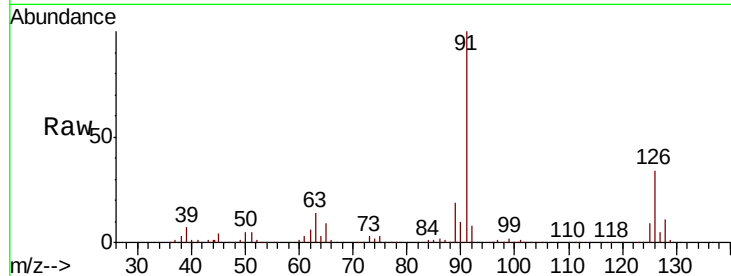
126 34.7 17.3 52.0

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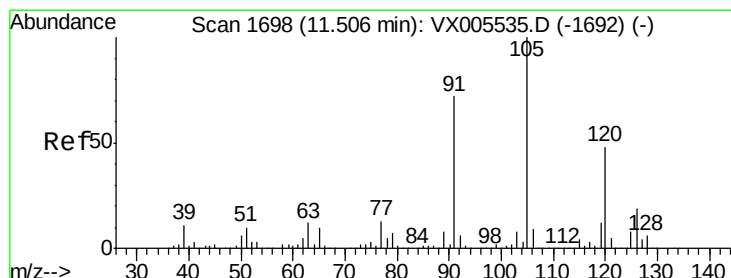
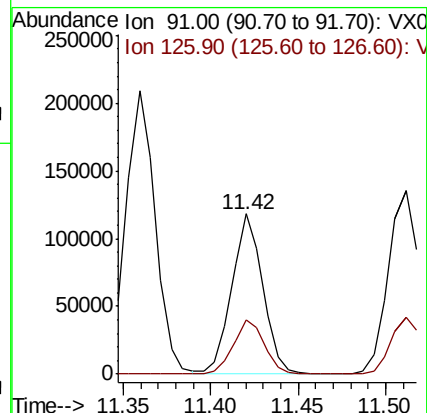
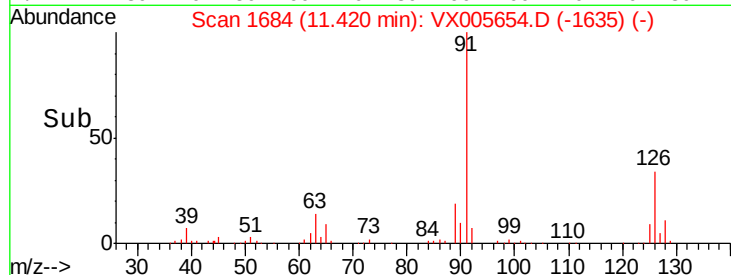
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Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005654.D

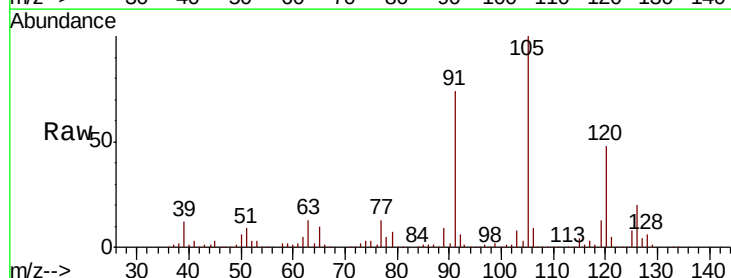
Acq: 29 Oct 2018 12:25

Tgt Ion: 105 Resp: 181337

Ion Ratio Lower Upper

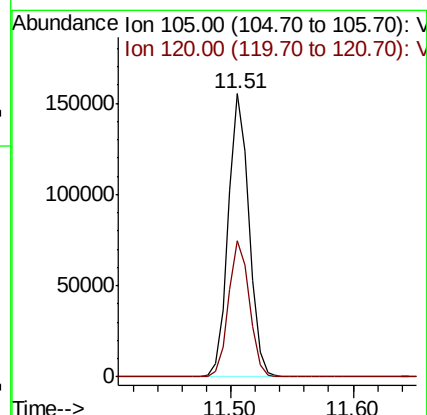
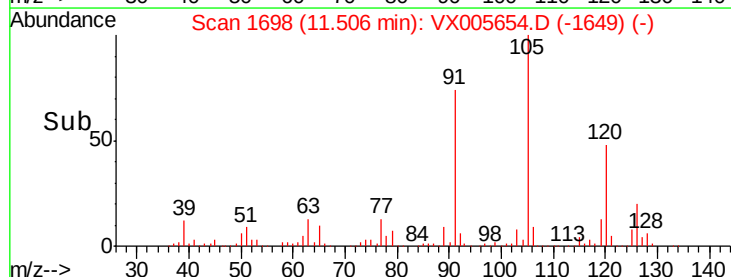
105 100

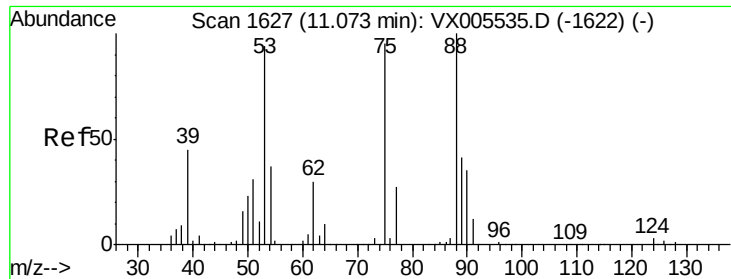
120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)





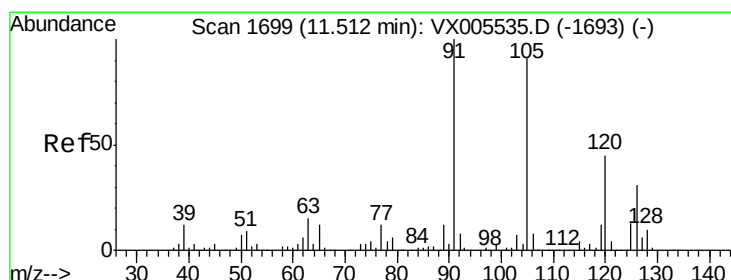
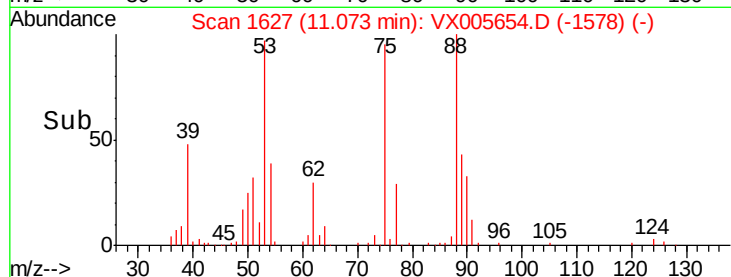
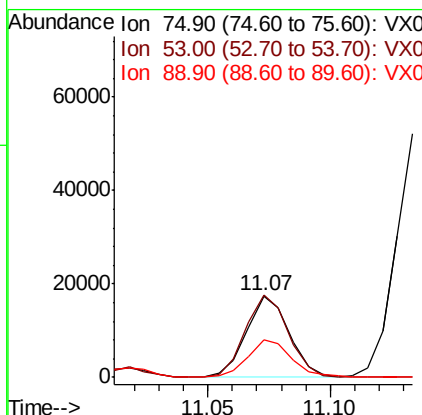
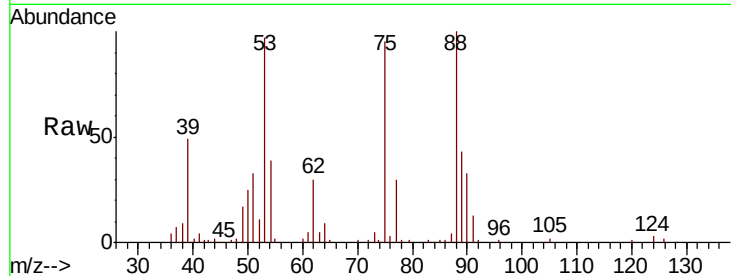
#81
trans-1,4-Dichloro-2-butene
Concen: 19.084 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	80.2	120.2
89	47.8	39.8	59.8

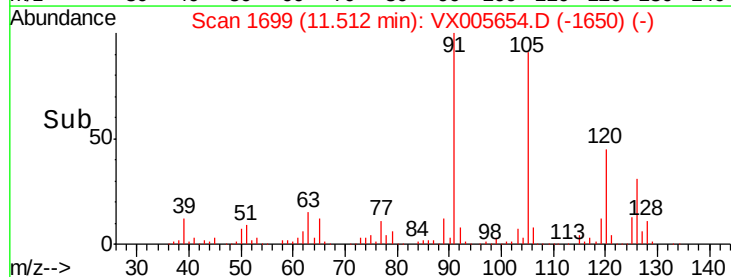
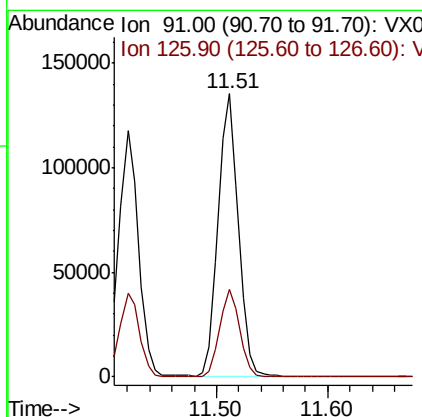
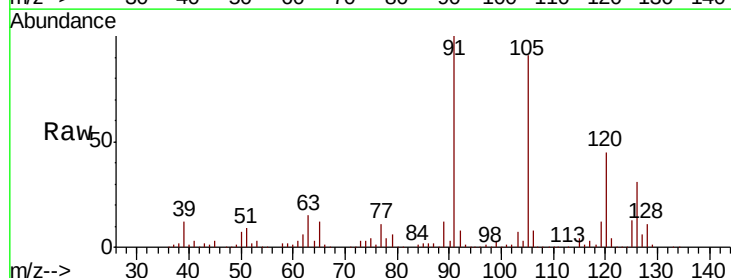
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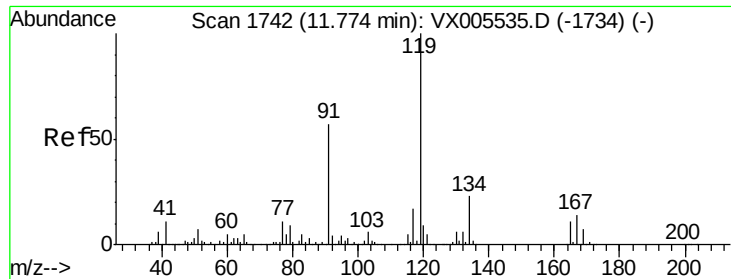
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#82
4-Chlorotoluene
Concen: 19.684 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005654.D
Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.2	45.6





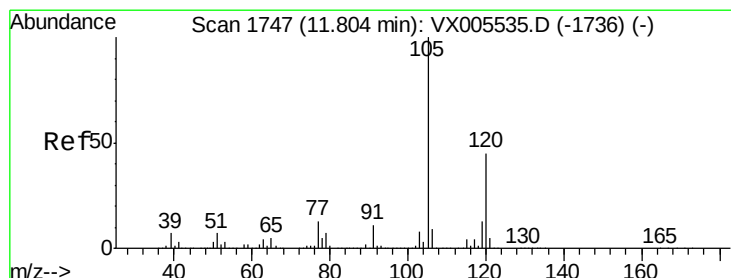
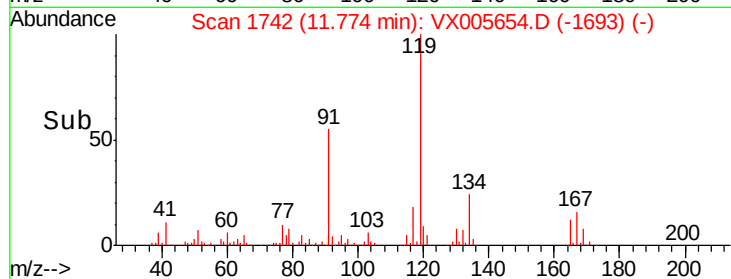
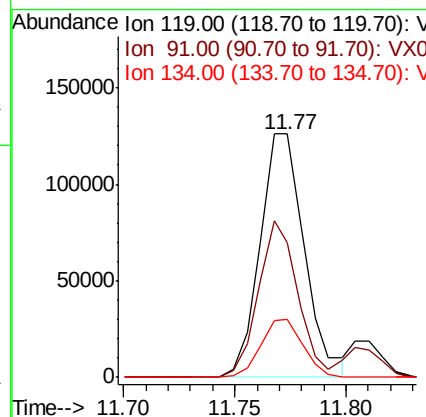
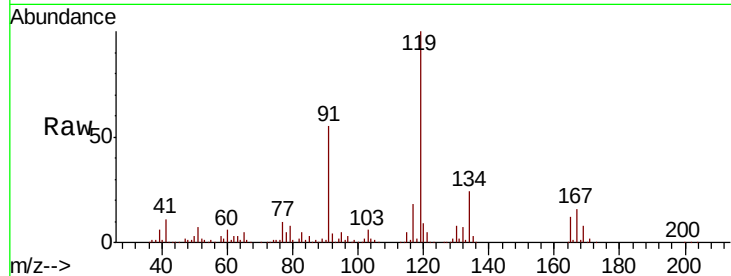
#83
 tert-Butylbenzene
 Concen: 19.838 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175202		
91	56.7	28.5	85.5	
134	22.8	11.3	33.8	

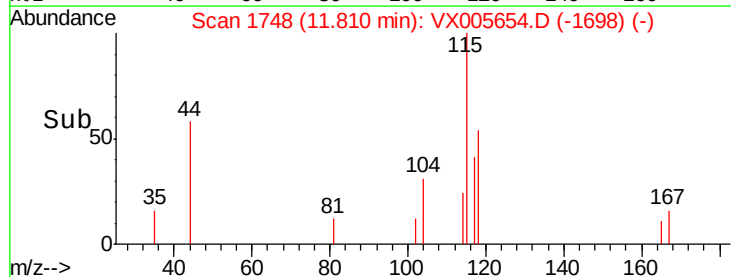
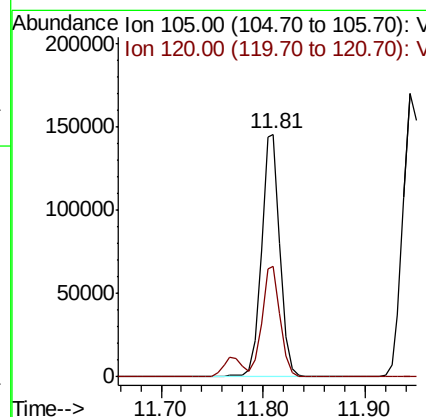
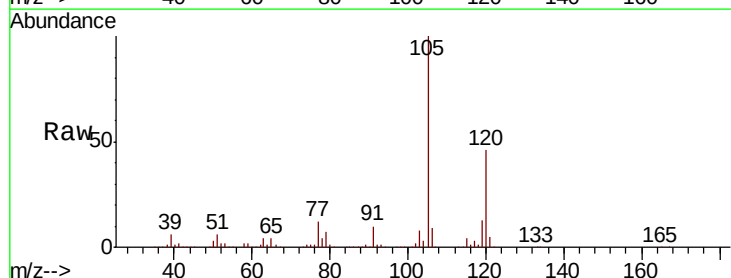
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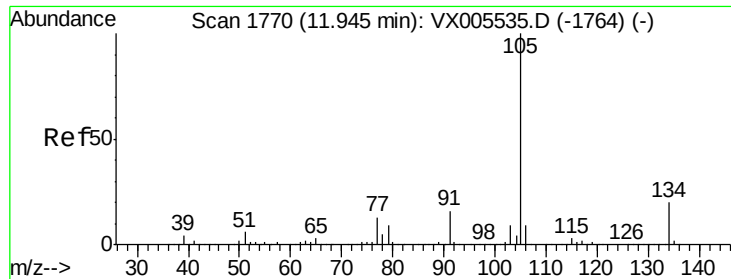
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.675 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185647		
120	44.8	22.4	67.0	





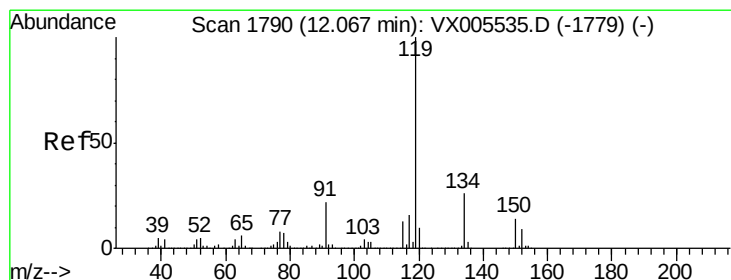
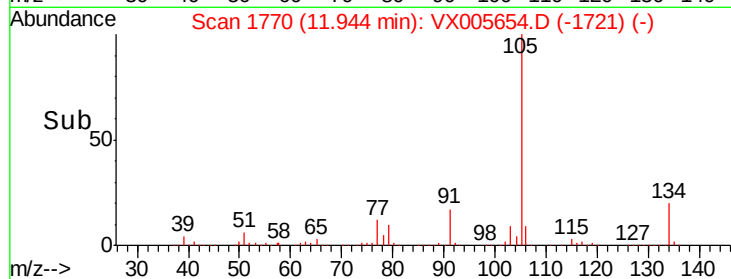
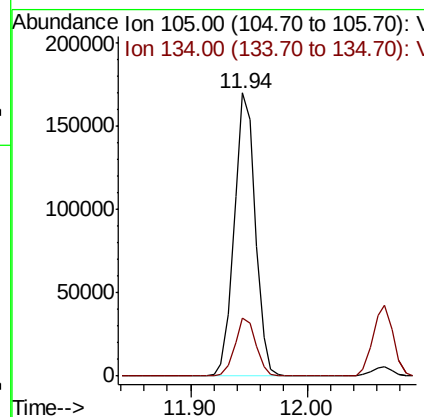
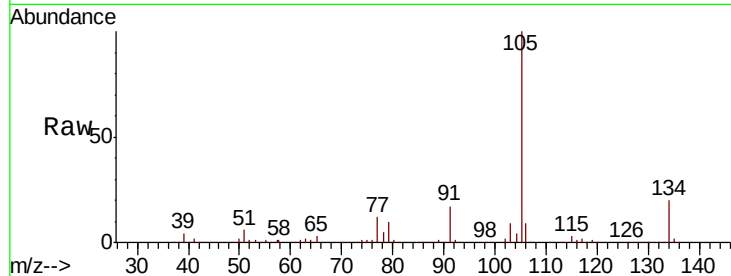
#85
 sec-Butylbenzene
 Concen: 20.310 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion:105 Resp: 214036
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4

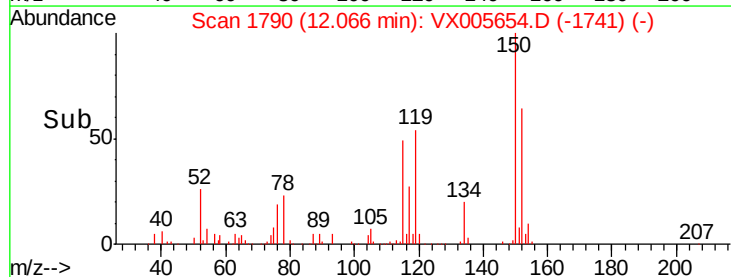
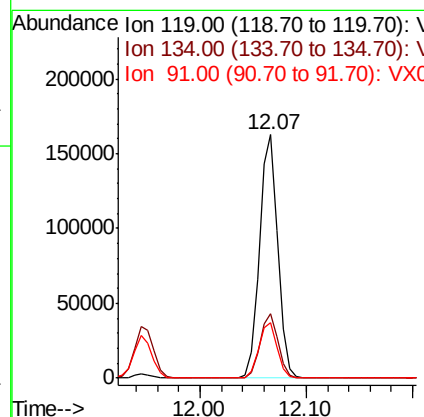
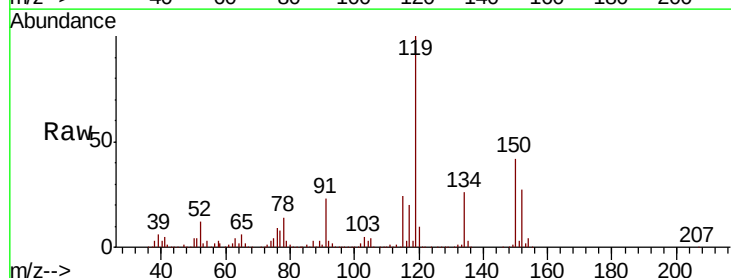
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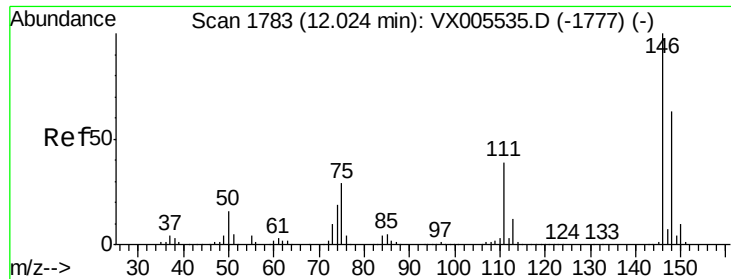
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#86
 p-Isopropyltoluene
 Concen: 20.692 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion:119 Resp: 194933
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 23.1 11.4 34.2





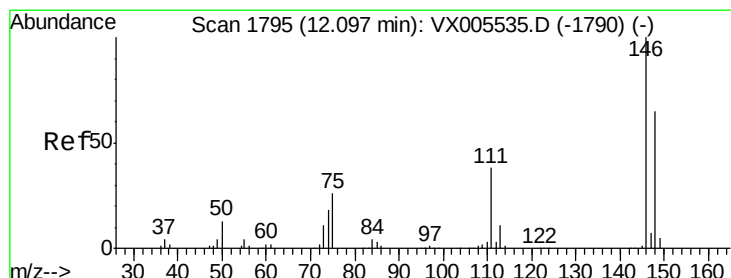
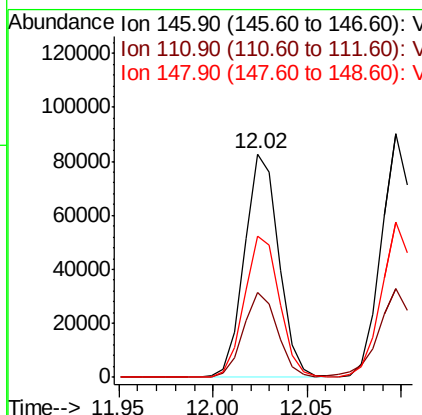
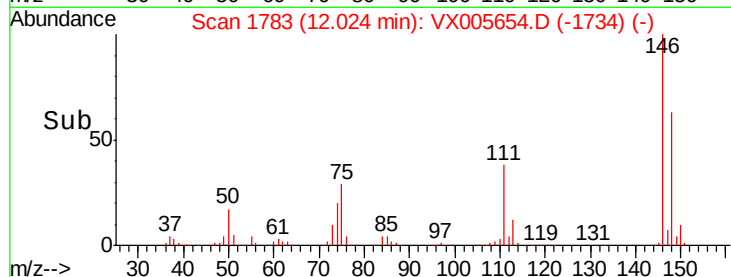
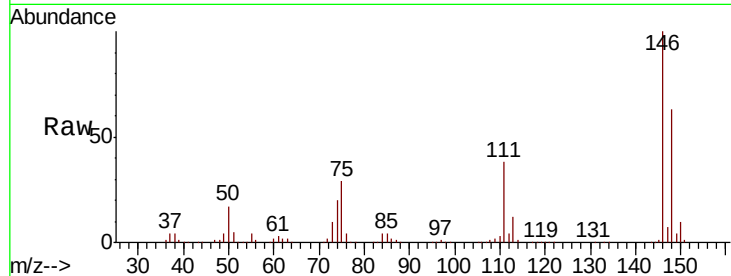
#87
 1,3-Dichlorobenzene
 Concen: 19.381 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	64.5	31.9	95.9

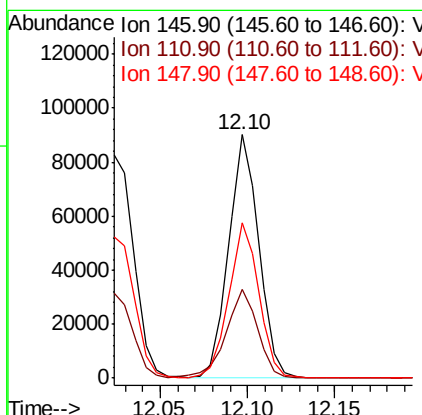
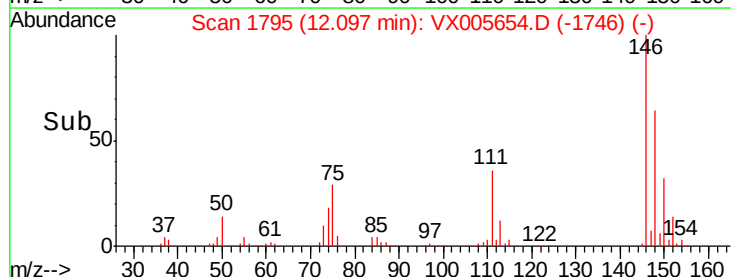
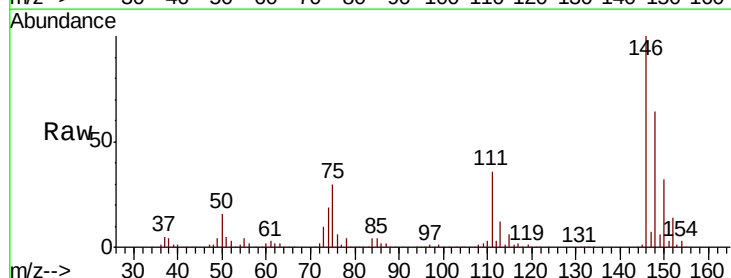
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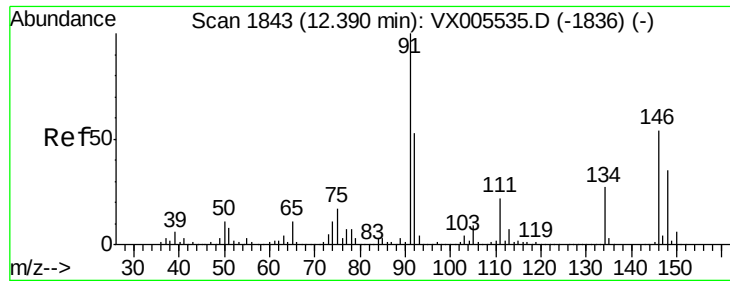
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#88
 1,4-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 20.040 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

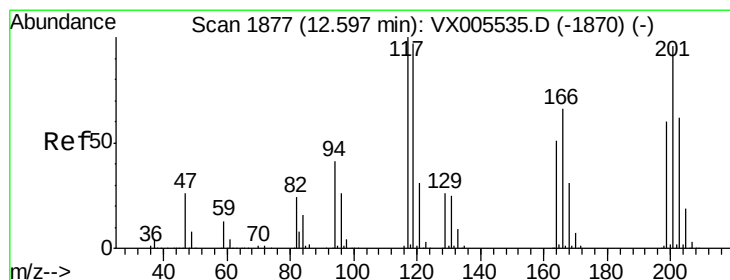
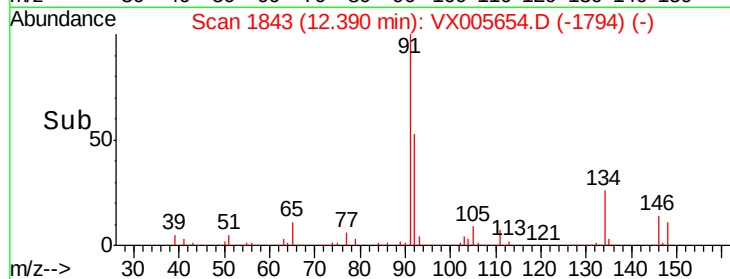
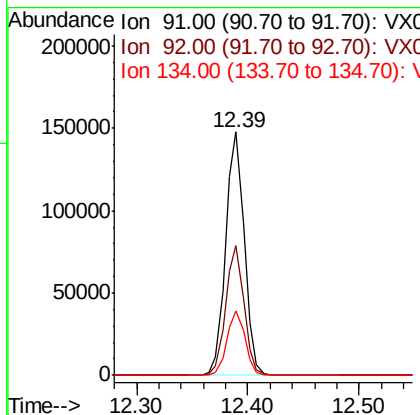
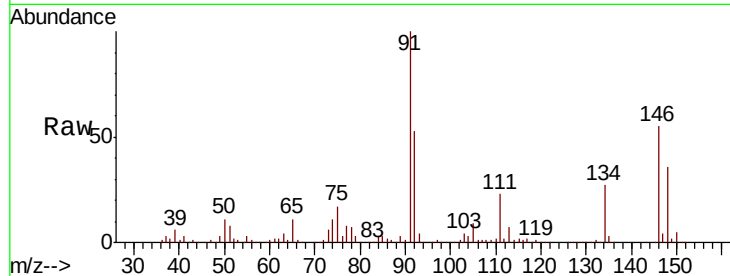
ClientSampleId :

VX1029WBS01

Tot Ion:	91	Resp:	170434
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	26.0	13.1	39.3

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#90

Hexachloroethane

Concen: 19.463 ug/l

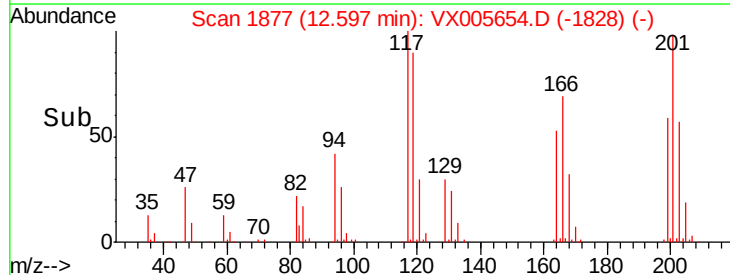
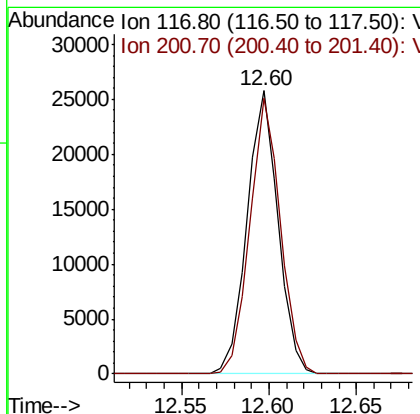
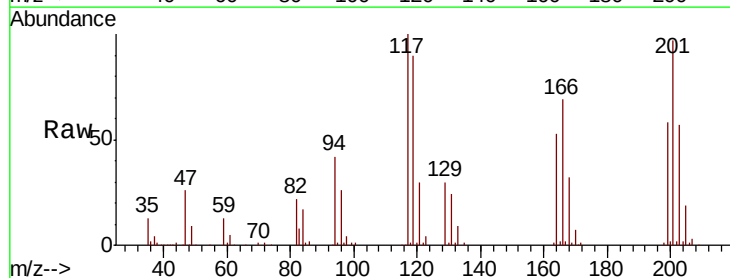
RT: 12.60 min Scan# 1877

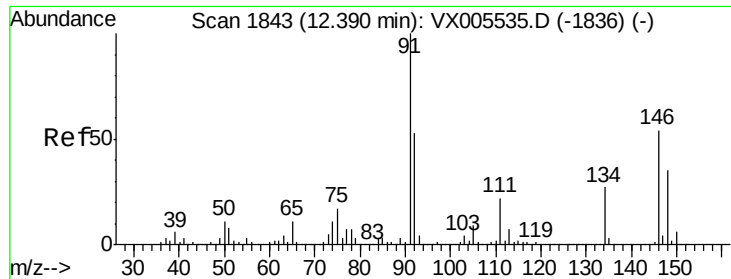
Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	117	Resp:	31624
Ion	Ratio	Lower	Upper
117	100		
201	96.2	47.9	143.6





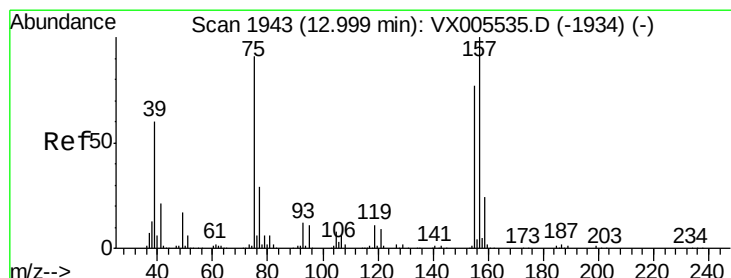
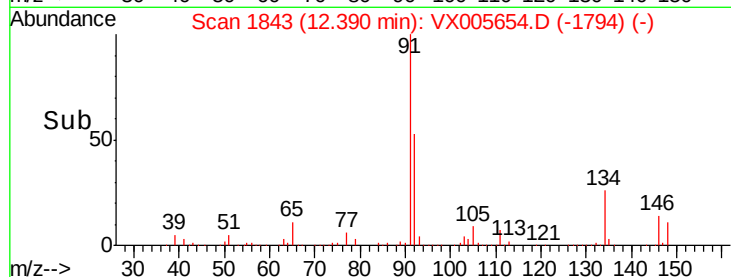
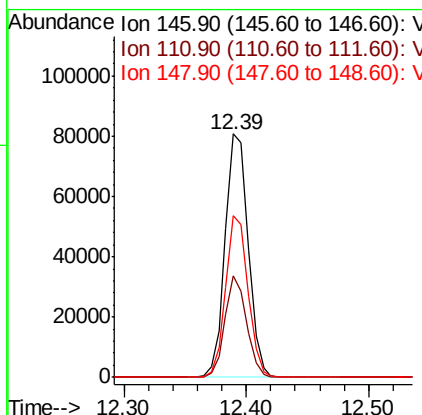
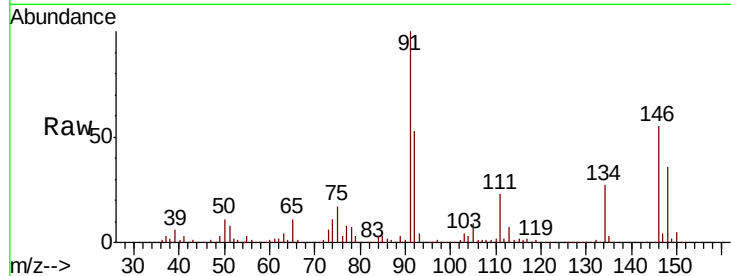
#91
 1,2-Dichlorobenzene
 Concen: 19.186 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.5	32.2	96.6

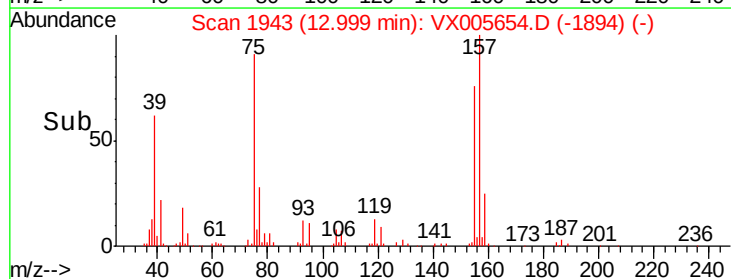
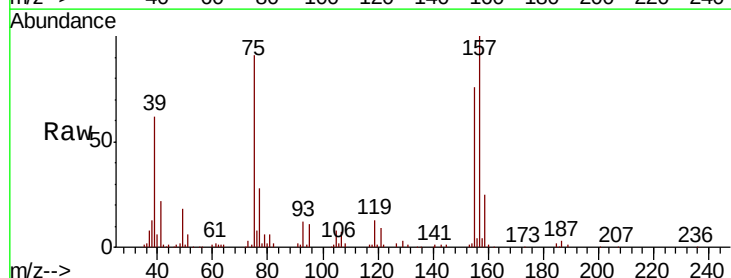
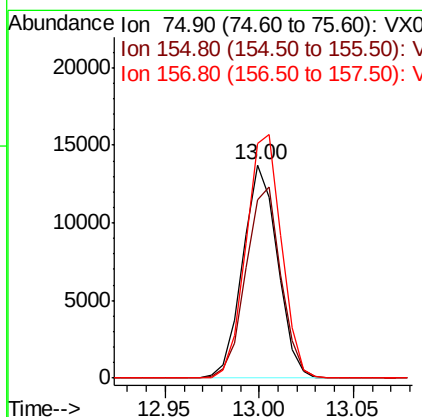
Manual Integrations
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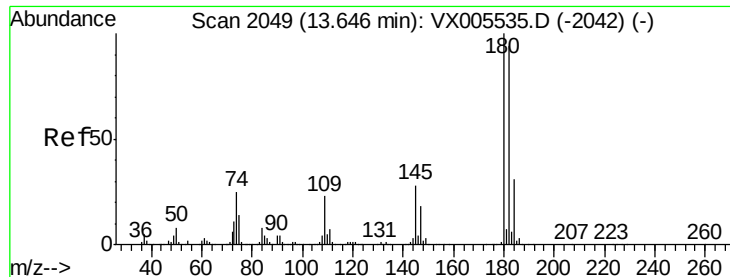
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.015 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	45.4	136.1
157	116.2	57.4	172.0





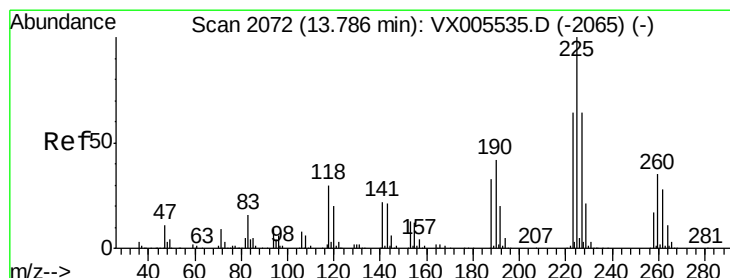
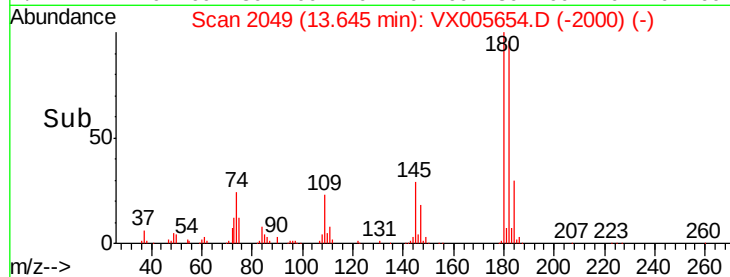
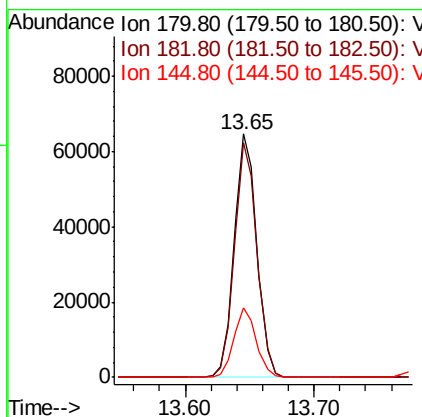
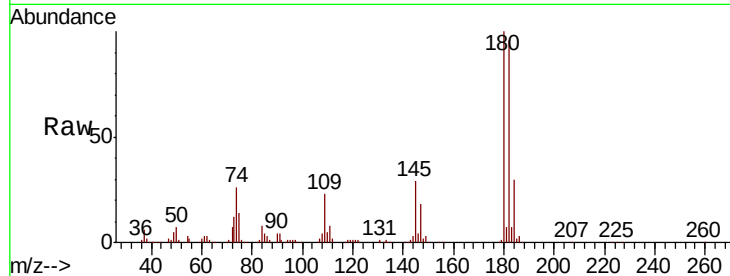
#93
 1,2,4-Trichlorobenzene
 Concen: 19.841 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	28.4	14.1	42.2

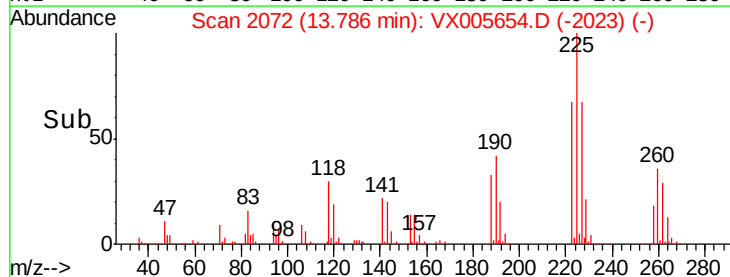
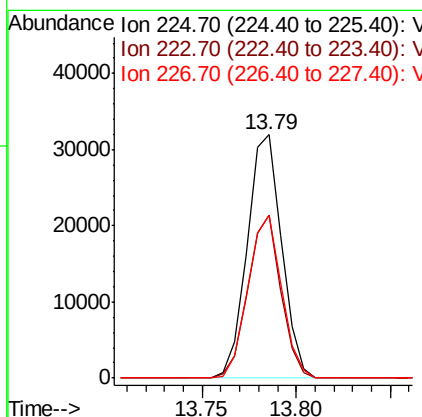
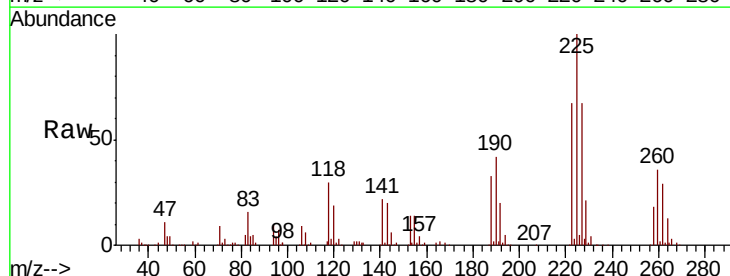
Manual Integrations
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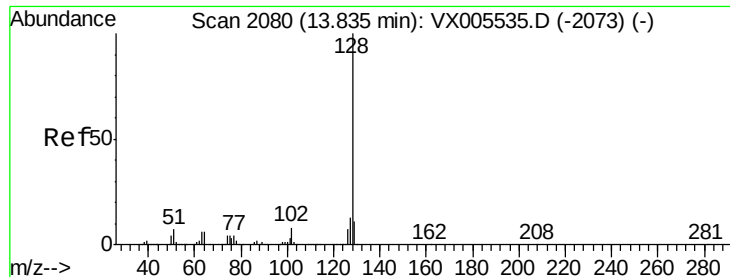
MMDadoda
 10/30/2018 10:50:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.618 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005654.D
 Acq: 29 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.7	95.1
227	65.4	32.3	96.9





#95

Naphthalene

Concen: 19.935 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Instrument :

MSVOA_X

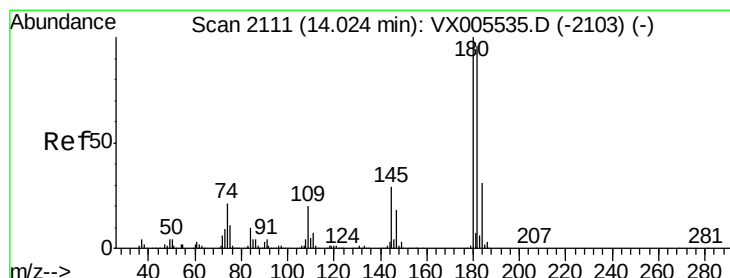
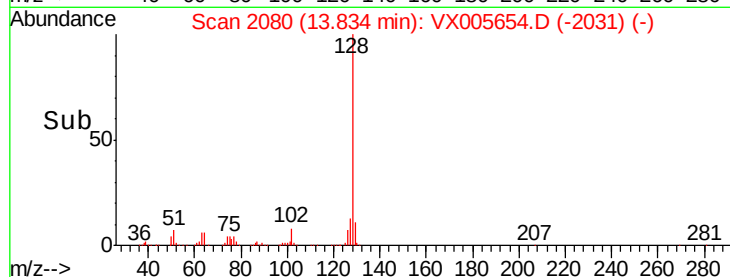
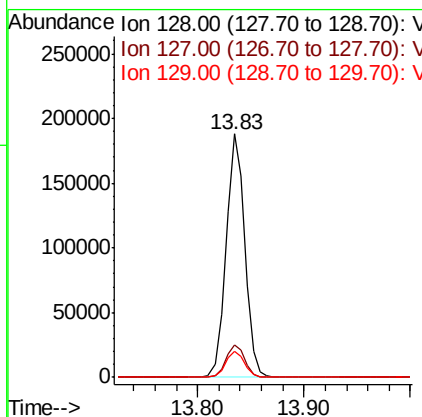
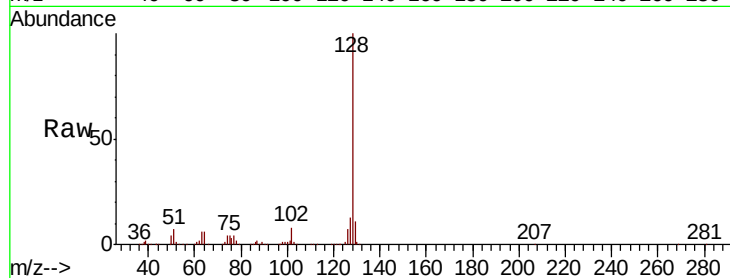
ClientSampleId :

VX1029WBS01

Tot Ion:	128	Resp:	230672
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.114 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005654.D

Acq: 29 Oct 2018 12:25

Tgt Ion:	180	Resp:	81166
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.2
145	30.5	15.1	45.3

