

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121220\
 Data File : VX019950.D
 Acq On : 12 Dec 2020 22:13
 Operator : JC/MD
 Sample : L4918-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16827

Manual Integrations
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MMDadoda
 12/15/2020 4:49:33 PM

Quant Time: Dec 14 08:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	316967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	520183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	479618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219038	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	194842	46.77	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.54%		
35) Dibromofluoromethane	5.46	113	156282	46.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.98%		
50) Toluene-d8	8.70	98	637576	49.68	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.36%		
62) 4-Bromofluorobenzene	11.12	95	244290	50.01	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.02%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	110351	127.569	ug/l	100
16) Acetone	2.41	43	37258136m	23794.218	ug/l	
19) Methyl tert-butyl Ether	3.17	73	136552	12.911	ug/l	96
20) Methylene Chloride	2.84	84	19088	4.032	ug/l	98
25) 2-Butanone	4.64	43	106065	44.082	ug/l	98
31) Cyclohexane	5.54	56	58954	11.377	ug/l	97
37) Ethyl Acetate	4.79	43	52829	11.131	ug/l	98
39) Methylcyclohexane	7.44	83	42603	7.714	ug/l	95
40) Benzene	6.11	78	2110687	146.996	ug/l	100
48) Methyl methacrylate	7.74	41	722123	190.291	ug/l	98
52) Toluene	8.77	92	16347025	1820.270	ug/l #	68
59) 2-Hexanone	9.48	43	31040	8.500	ug/l	80
67) Ethyl Benzene	10.23	91	2514279	148.238	ug/l	100
68) m/p-Xylenes	10.34	106	3313620	518.466	ug/l	96
69) o-Xylene	10.68	106	1827959	297.326	ug/l	98
73) Isopropylbenzene	11.00	105	122212	8.167	ug/l	100
78) n-propylbenzene	11.34	91	410202	24.000	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	563897	44.649	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2429707	190.983	ug/l	99
85) sec-Butylbenzene	11.93	105	22085m	1.562	ug/l	
86) p-Isopropyltoluene	12.05	119	13851m	1.069	ug/l	
95) Naphthalene	13.82	128	1849653	127.915	ug/l	99

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

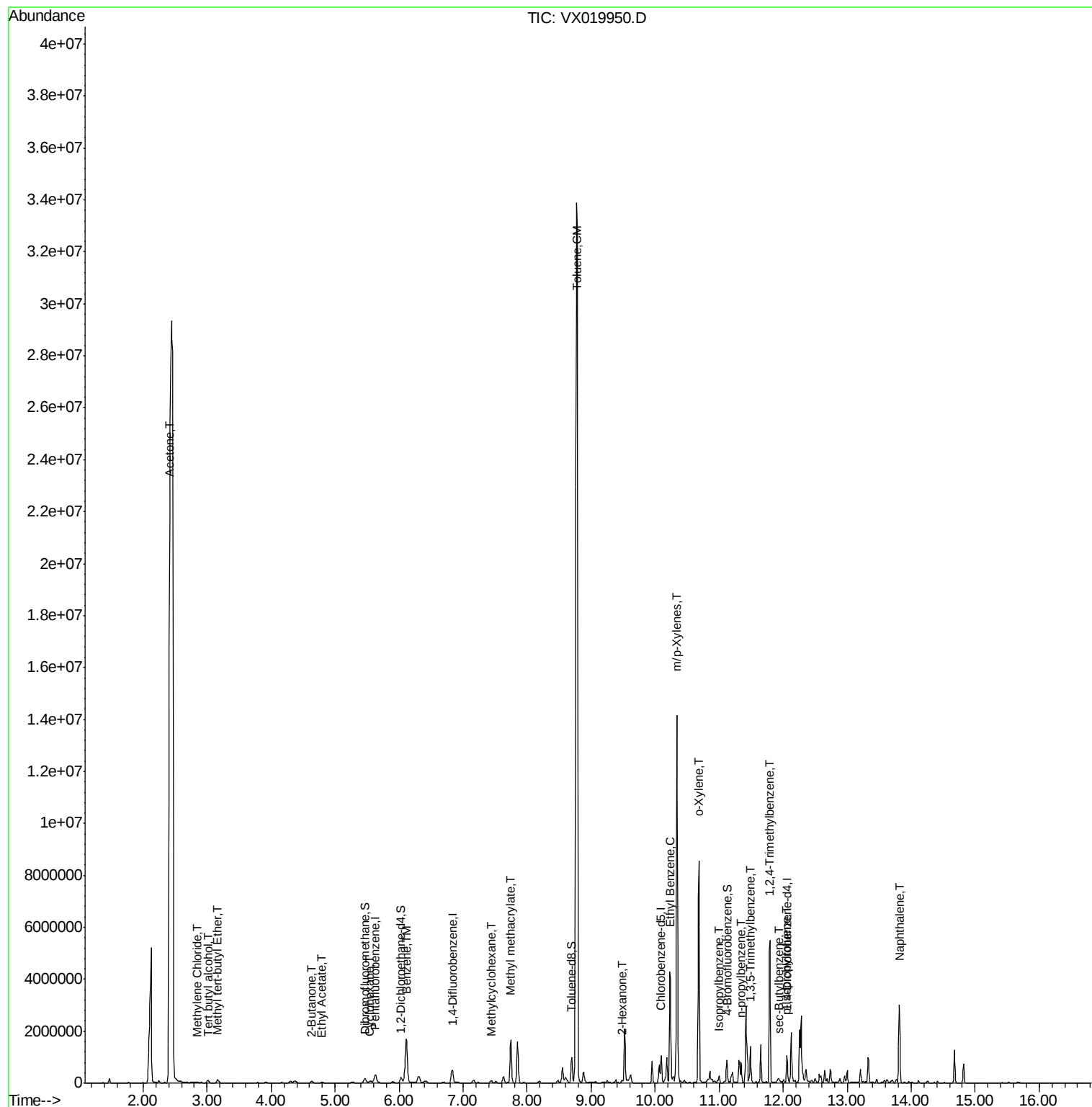
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121220\
Data File : VX019950.D
Acq On : 12 Dec 2020 22:13
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Quant Time: Dec 14 08:55:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Instrument :

MSVOA_X

ClientSampleId :

16827

Tot Ion:168 Resp: 316967

Ion Ratio Lower Upper

168 100

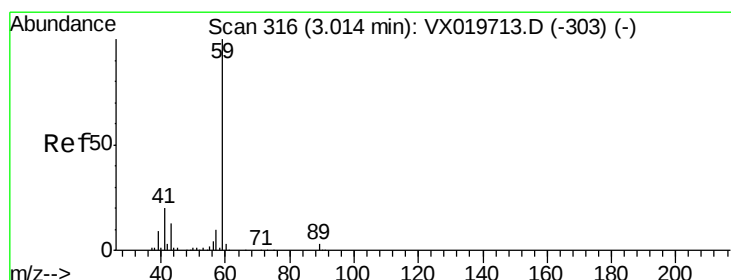
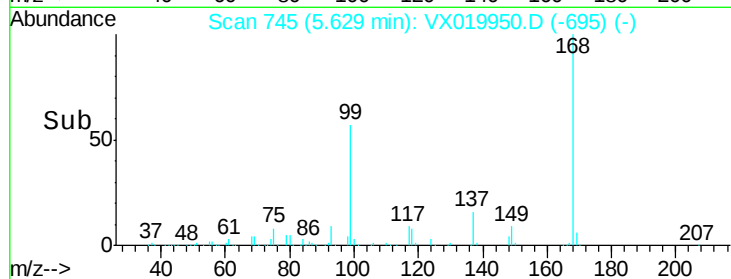
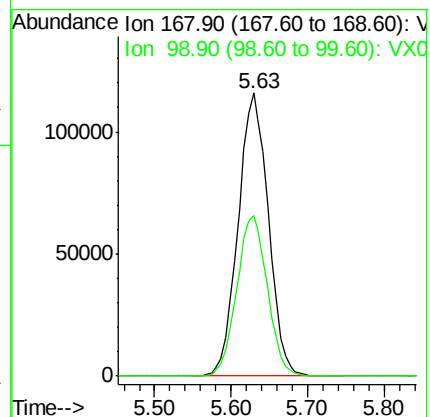
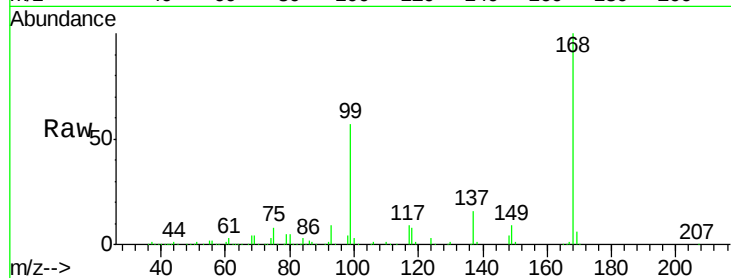
99 56.5 45.8 68.6

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#11

Tert butyl alcohol

Concen: 127.569 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX019950.D

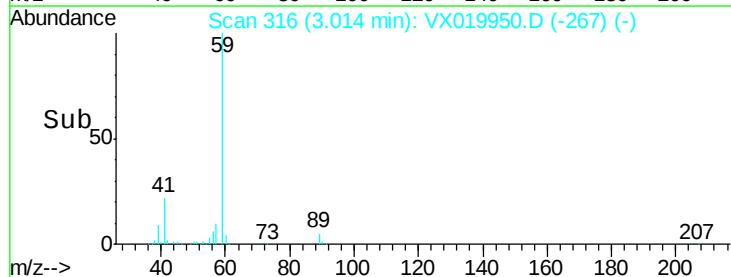
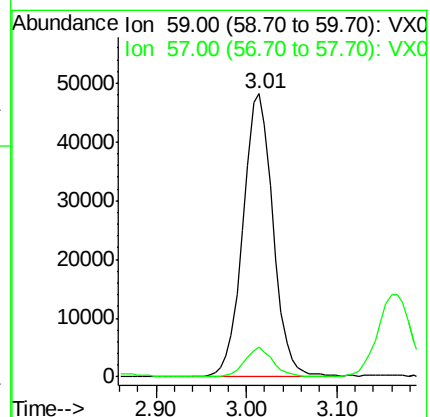
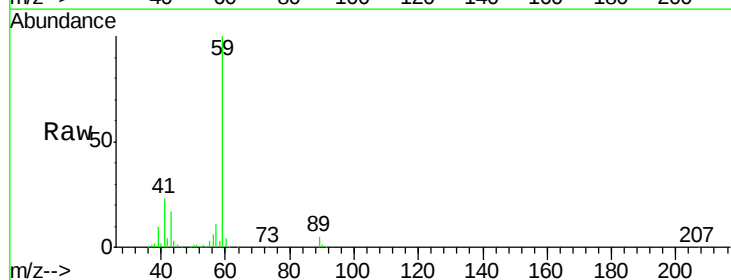
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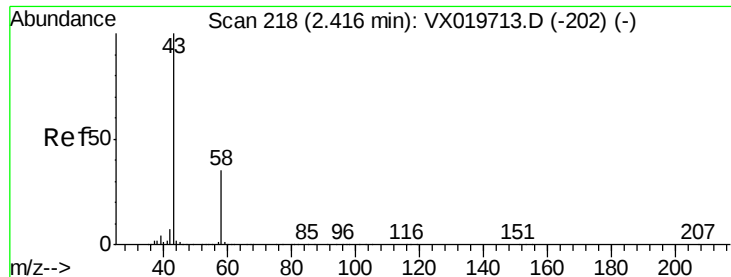
Tgt Ion: 59 Resp: 110351

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.8





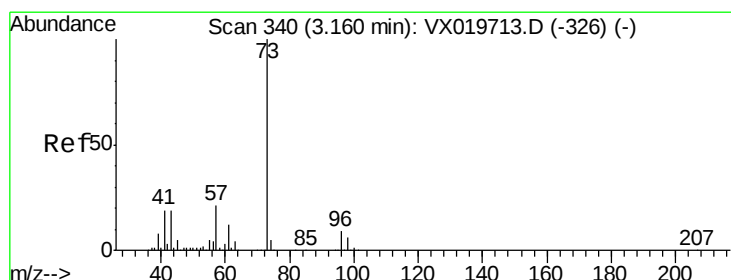
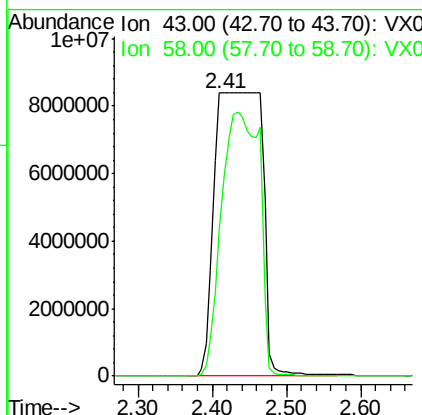
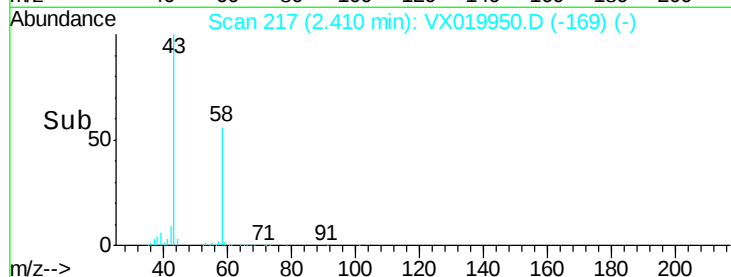
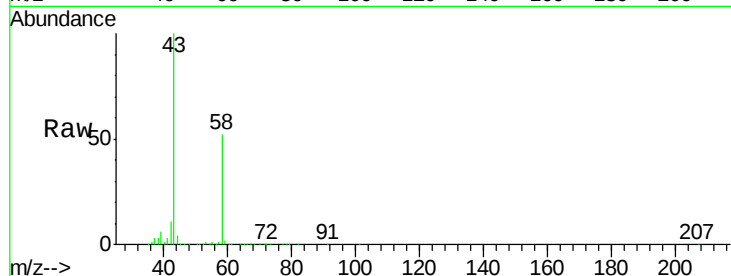
#16
Acetone
Concen: 23794.218 ug/l m
RT: 2.41 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion: 43 Resp: 37258136
Ion Ratio Lower Upper
43 100
58 51.9 27.8 41.8#

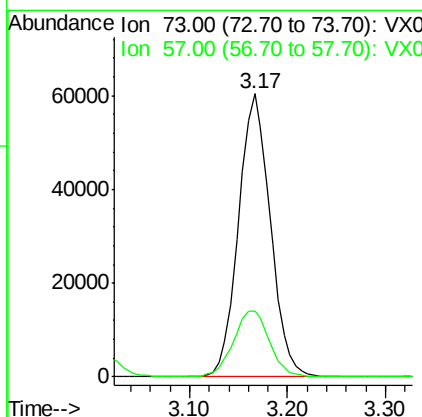
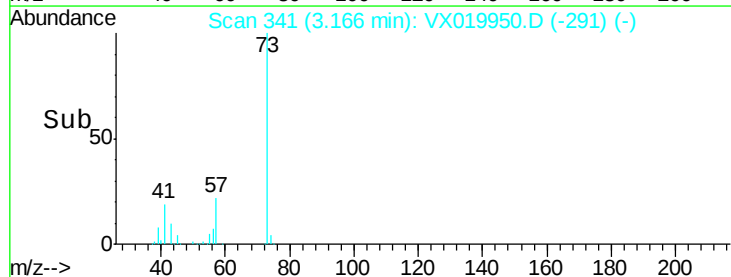
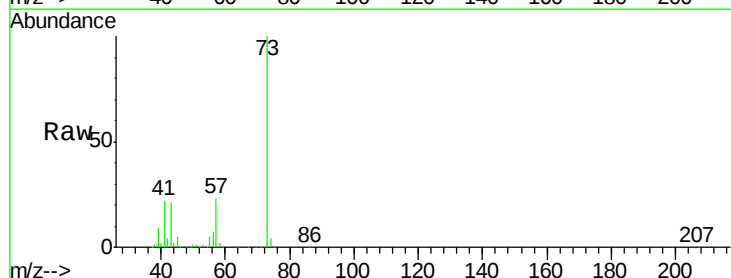
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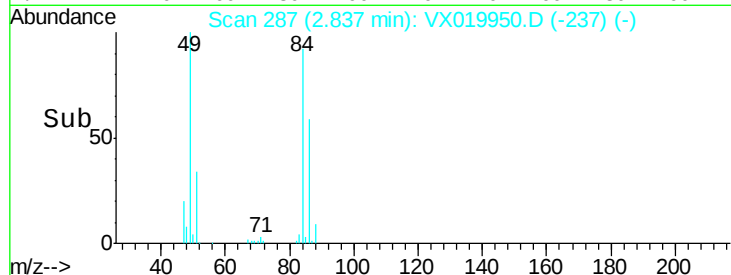
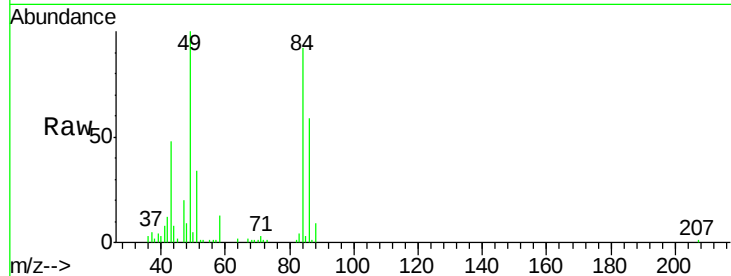
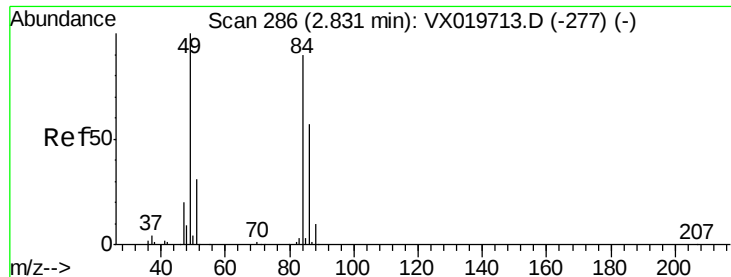
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#19
Methyl tert-butyl Ether
Concen: 12.911 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

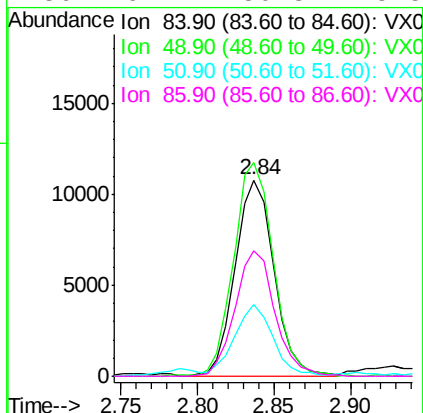
Tgt Ion: 73 Resp: 136552
Ion Ratio Lower Upper
73 100
57 23.3 17.1 25.7





#20
Methvlene Chloride
Concen: 4.032 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

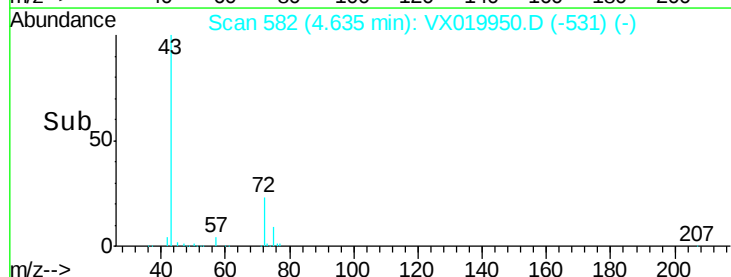
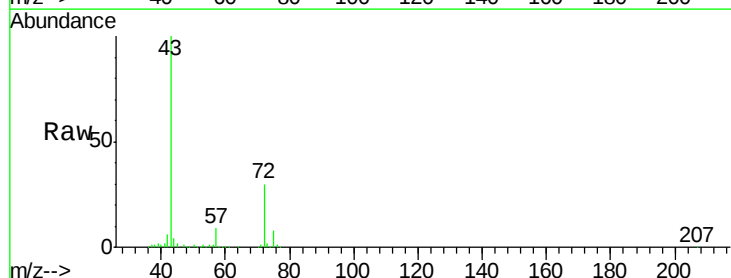
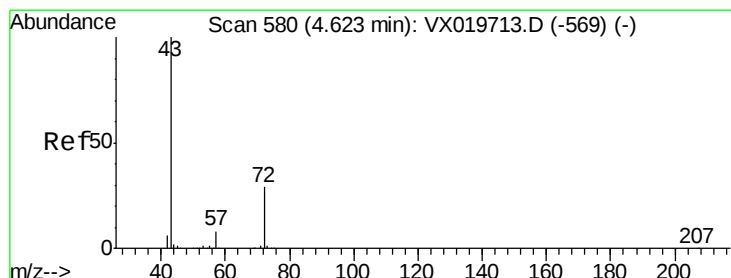
Tot Ion:	84	Resp:	19088
Ion	Ratio	Lower	Upper
84	100		
49	109.0	88.6	132.8
51	35.3	27.0	40.6
86	64.2	50.3	75.5



Instrument :
MSVOA_X
ClientSampleId :
16827

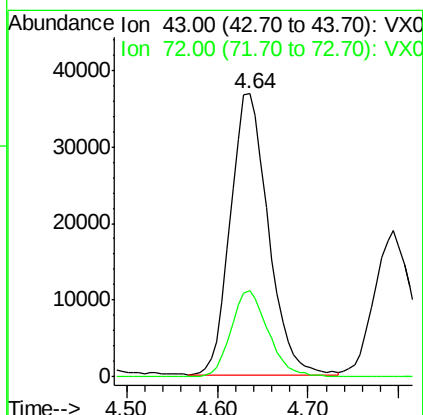
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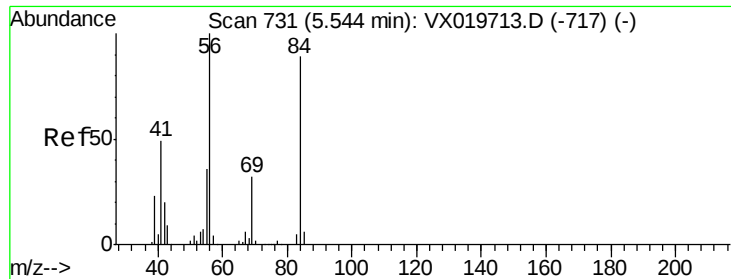
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#25
2-Butanone
Concen: 44.082 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion:	43	Resp:	106065
Ion	Ratio	Lower	Upper
43	100		
72	30.7	23.7	35.5





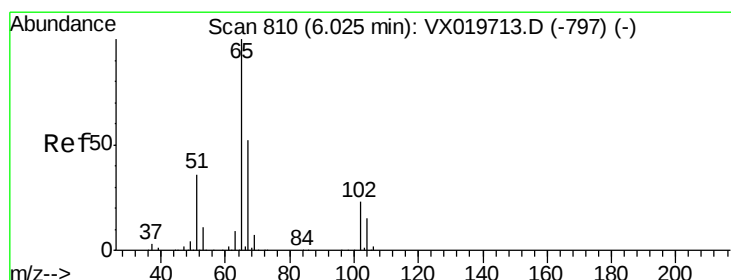
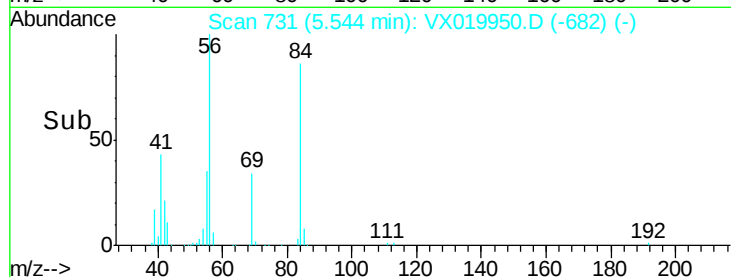
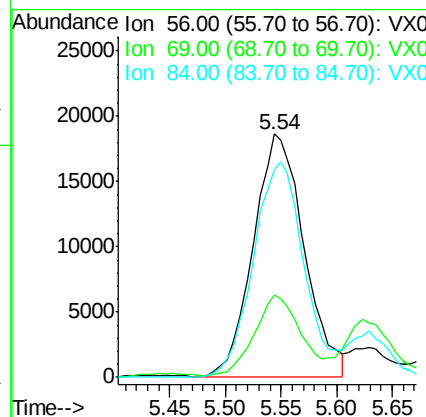
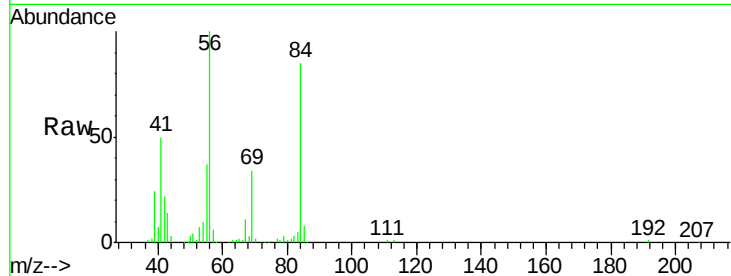
#31
Cyclohexane
Concen: 11.377 ug/l
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.3	37.9
84	85.5	71.4	107.0

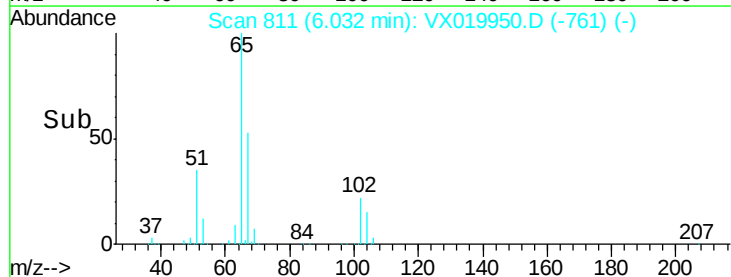
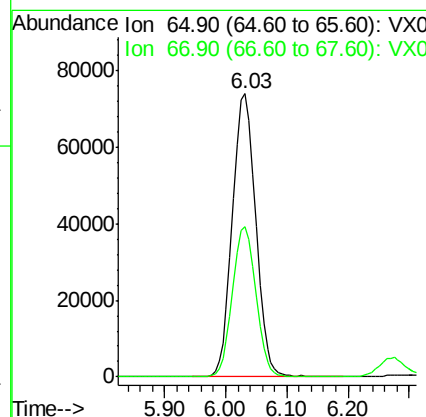
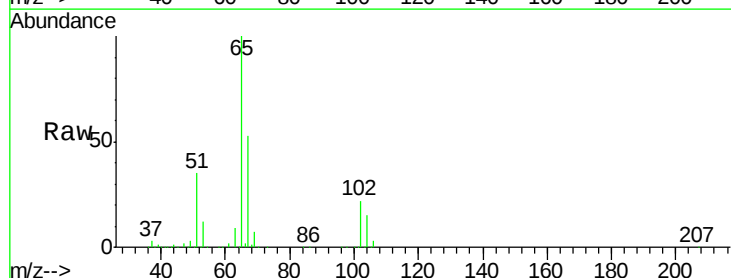
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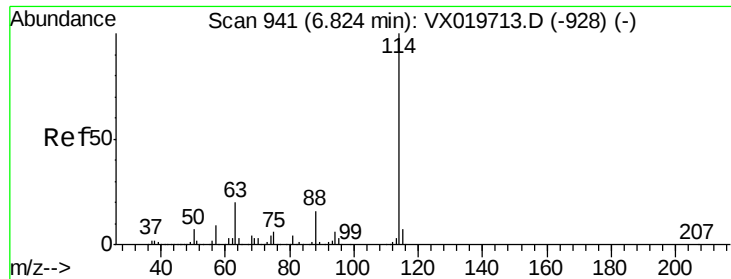
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#33
1,2-Dichloroethane-d4
Concen: 46.771 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.4





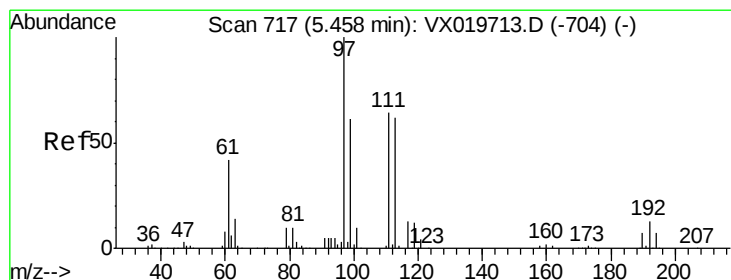
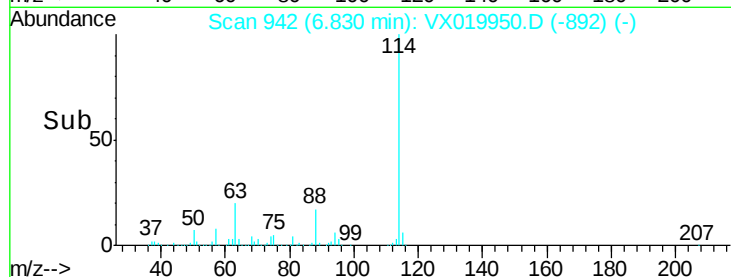
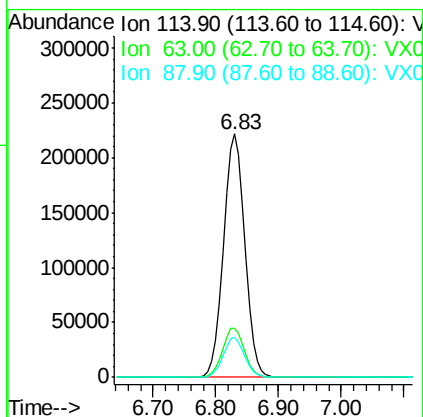
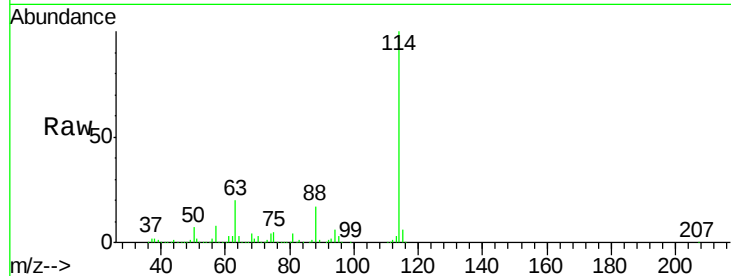
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion	Ratio	Resp	Lower	Upper
114	100	520183		
63	20.2		0.0	40.8
88	16.6		0.0	32.8

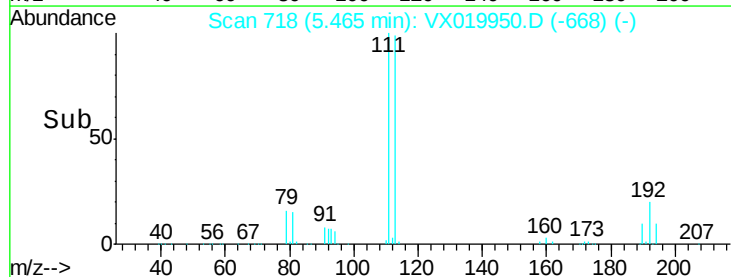
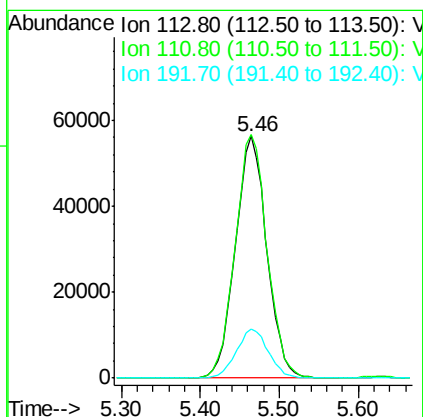
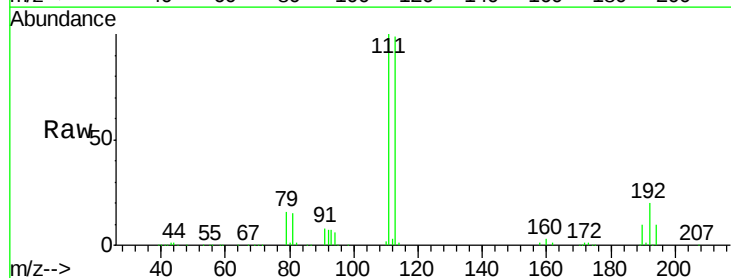
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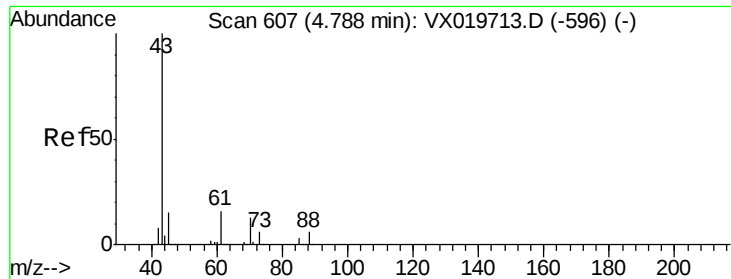
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#35
Dibromofluoromethane
Concen: 46.487 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	156282		
111	102.2		81.9	122.9
192	20.6		16.7	25.1





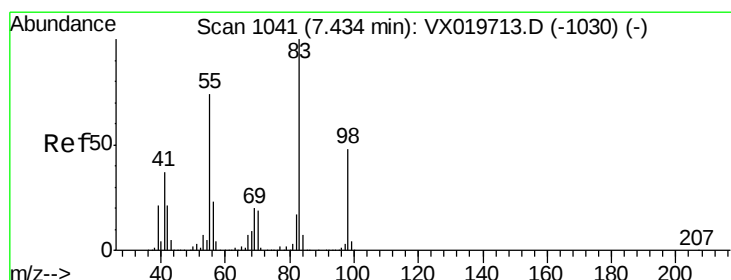
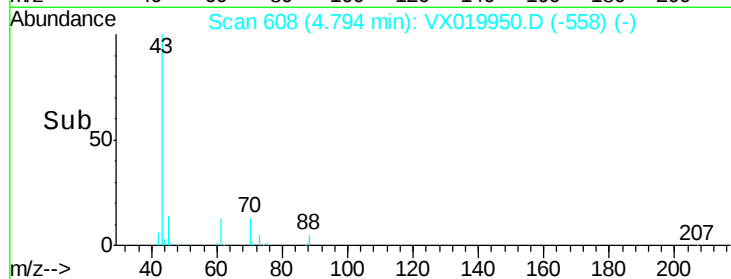
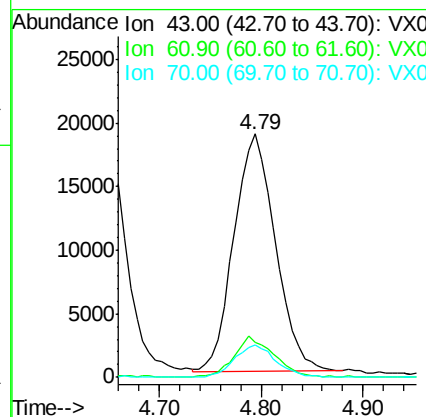
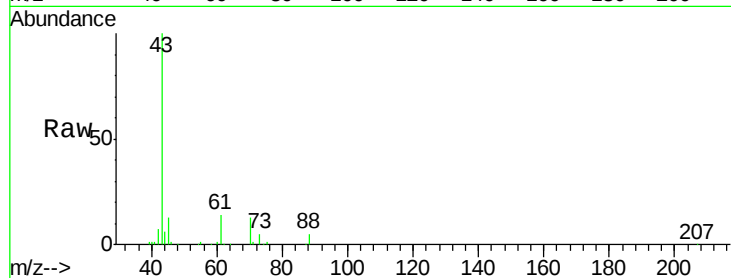
#37
Ethyl Acetate
Concen: 11.131 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampled :
16827

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.8	19.2
70	13.7	10.5	15.7

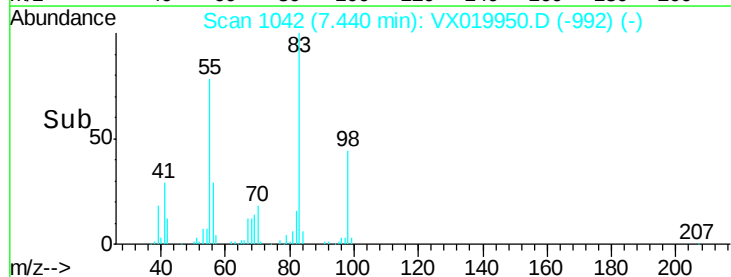
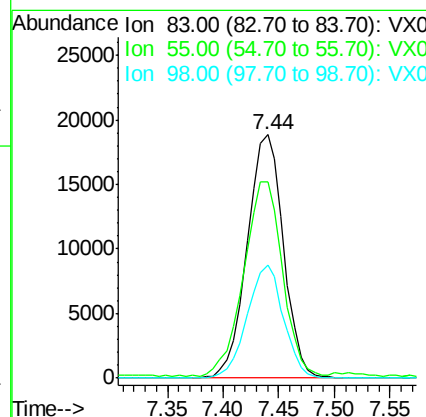
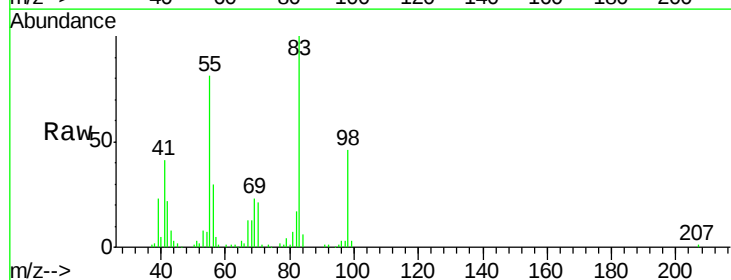
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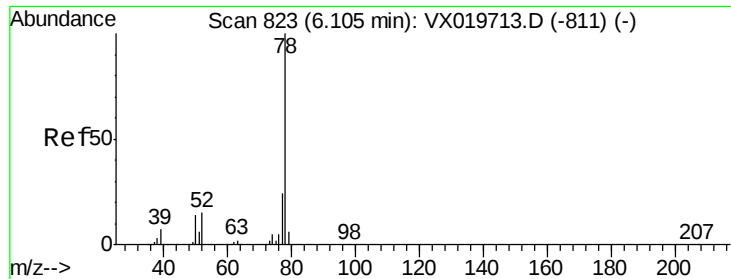
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#39
Methylcyclohexane
Concen: 7.714 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.5	58.9	88.3
98	46.4	38.1	57.1





#40

Benzene

Concen: 146.996 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Instrument :

MSVOA_X

ClientSampleId :

16827

Tot Ion: 78 Resp: 2110687

Ion Ratio Lower Upper

78 100

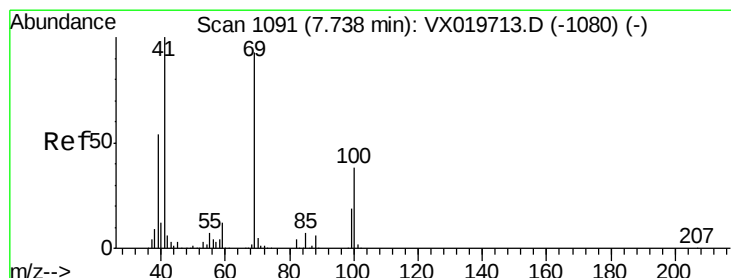
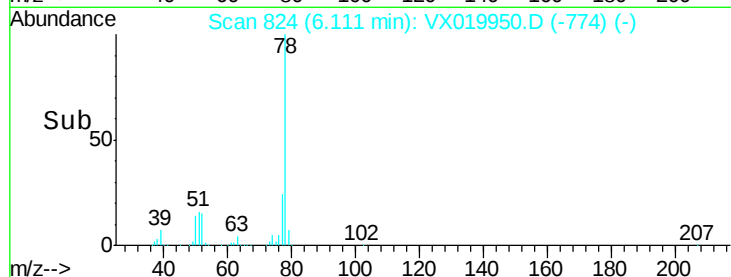
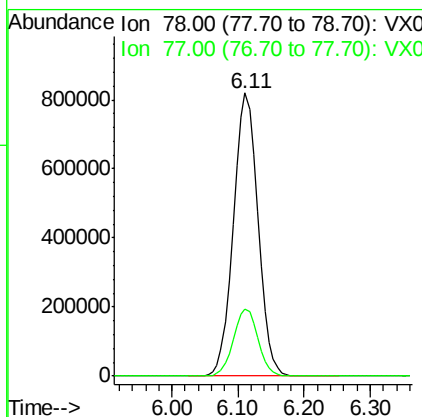
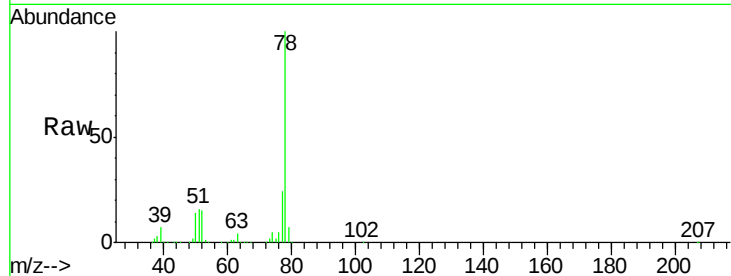
77 23.6 18.9 28.3

Manual Integrations

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#48

Methyl methacrylate

Concen: 190.291 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

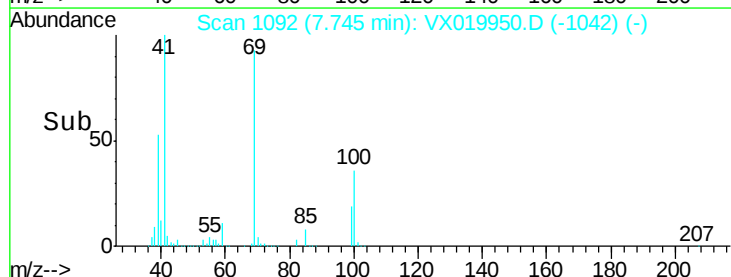
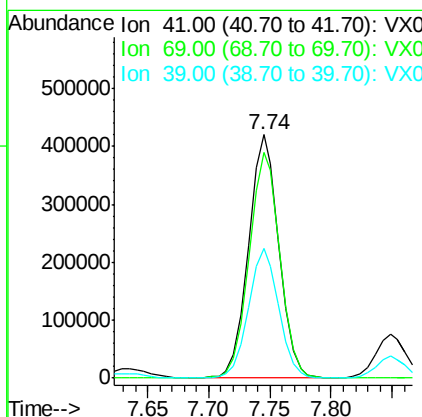
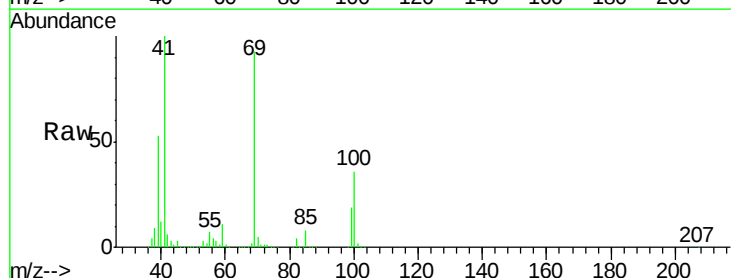
Tgt Ion: 41 Resp: 722123

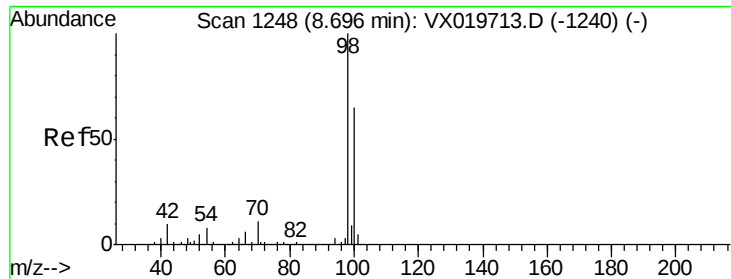
Ion Ratio Lower Upper

41 100

69 94.6 76.0 114.0

39 52.8 44.6 67.0





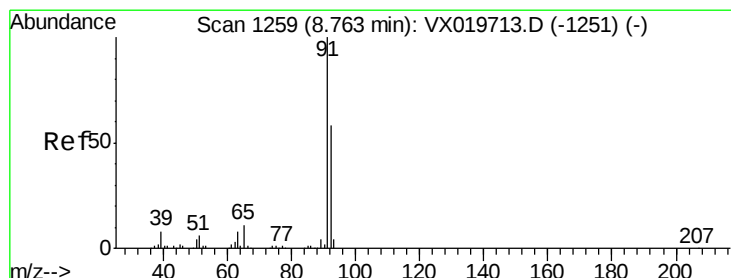
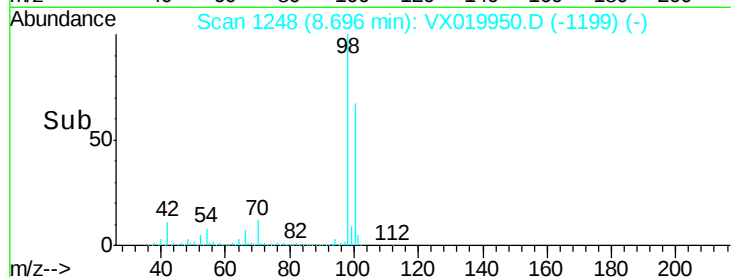
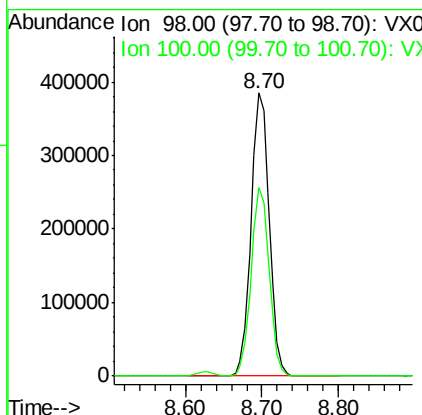
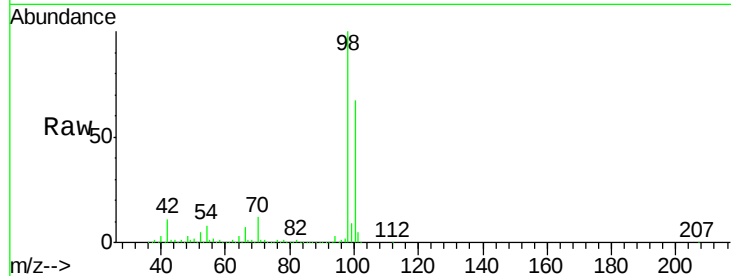
#50
Toluene-d8
Concen: 49.676 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion: 98 Resp: 637576
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

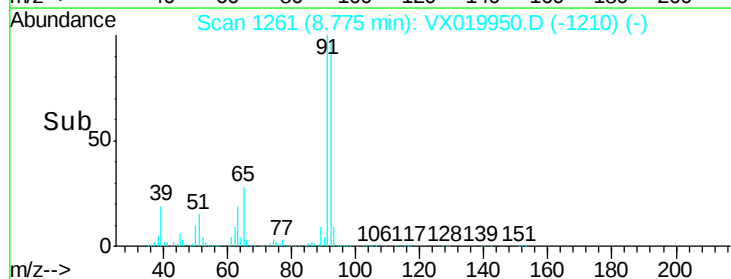
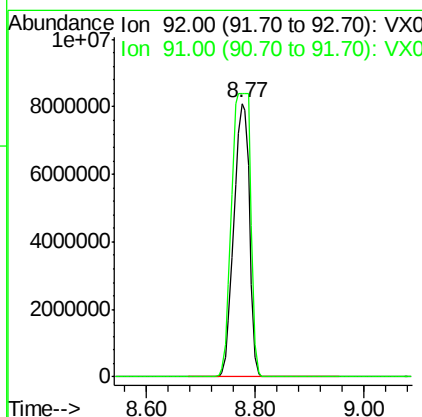
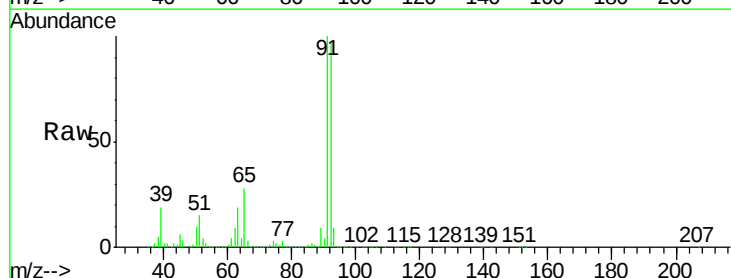
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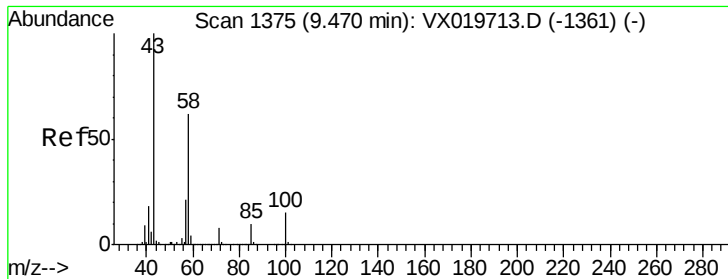
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#52
Toluene
Concen: 1820.270 ug/l
RT: 8.77 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion: 92 Resp:16347025
Ion Ratio Lower Upper
92 100
91 127.1 137.1 205.7#





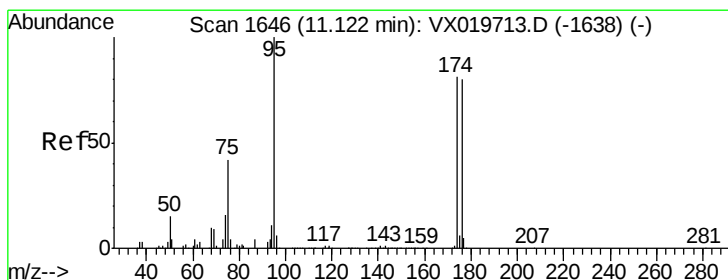
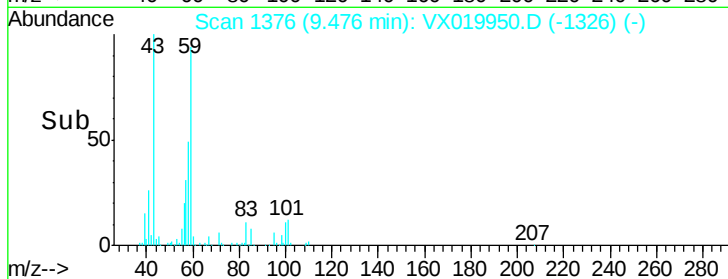
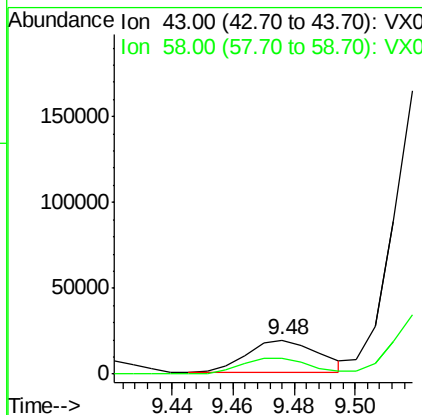
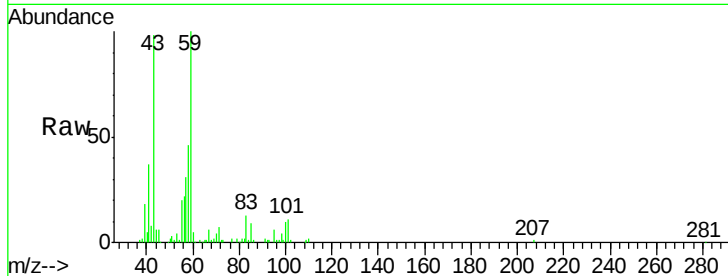
#59
2-Hexanone
Concen: 8.500 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampled :
16827

Tot Ion: 43 Resp: 31040
Ion Ratio Lower Upper
43 100
58 46.2 30.9 92.8

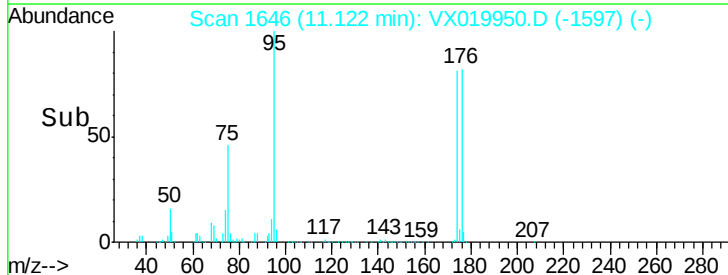
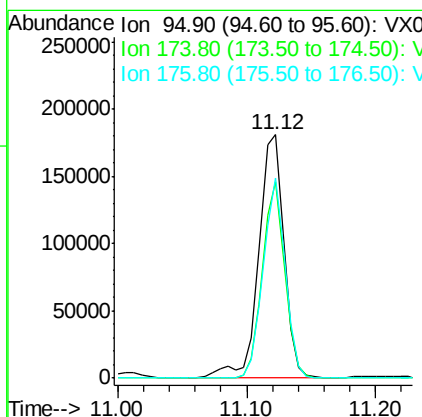
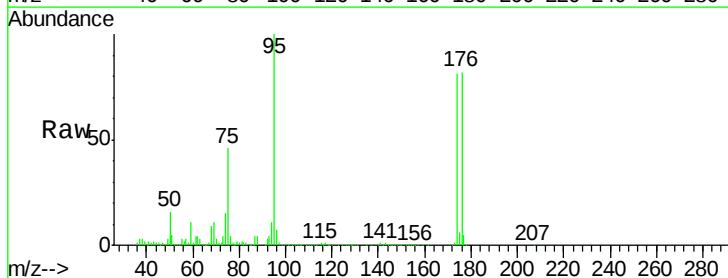
Manual Integrations
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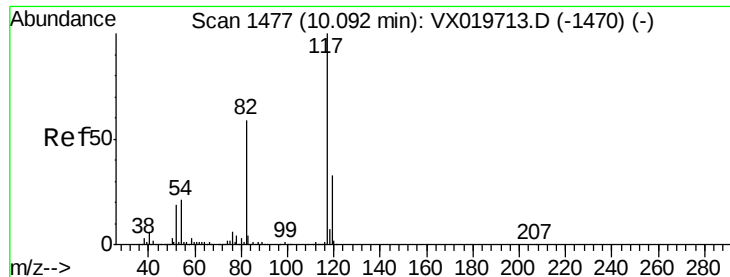
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#62
4-Bromofluorobenzene
Concen: 50.008 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion: 95 Resp: 244290
Ion Ratio Lower Upper
95 100
174 71.9 0.0 154.6
176 72.4 0.0 155.8





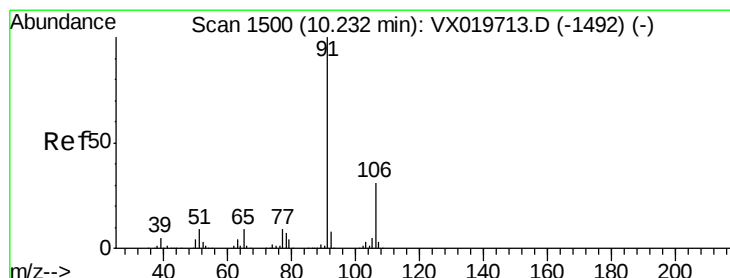
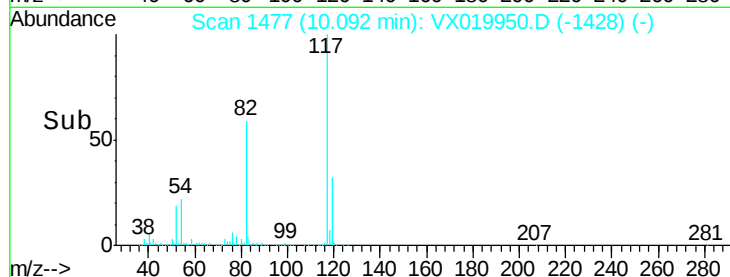
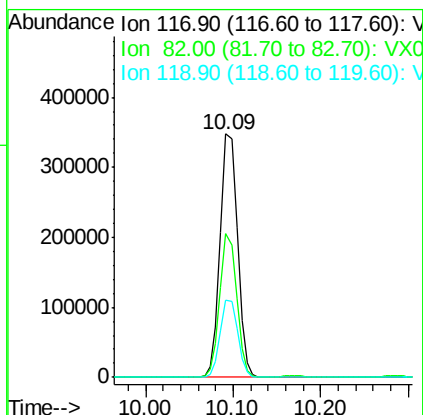
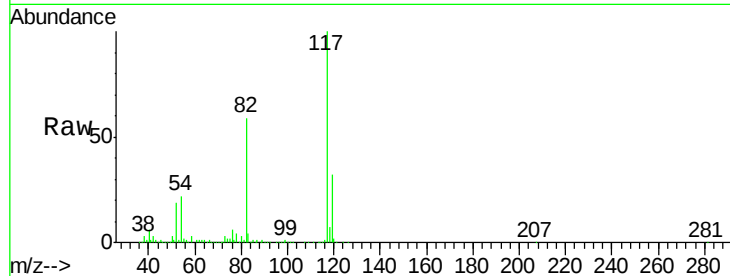
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.4	71.2
119	31.9	26.6	39.8

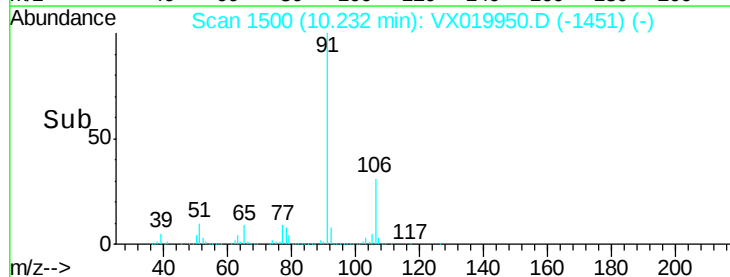
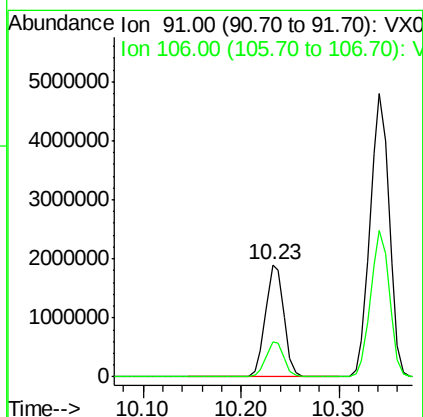
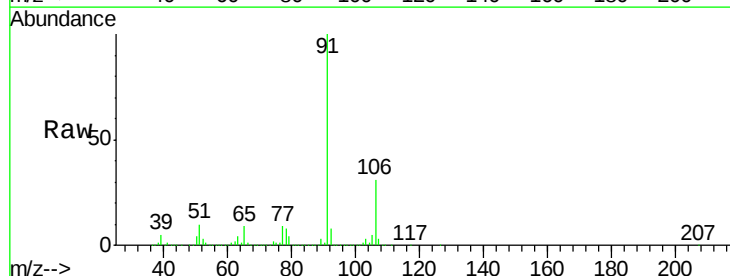
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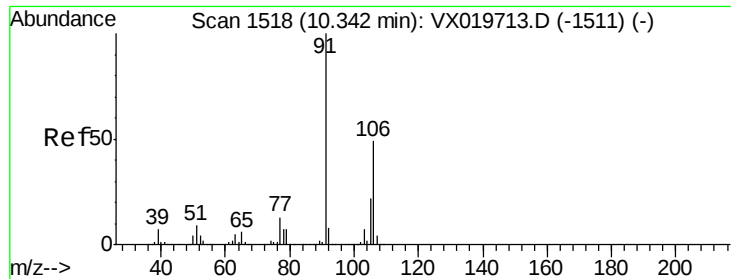
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#67
Ethyl Benzene
Concen: 148.238 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	37.0





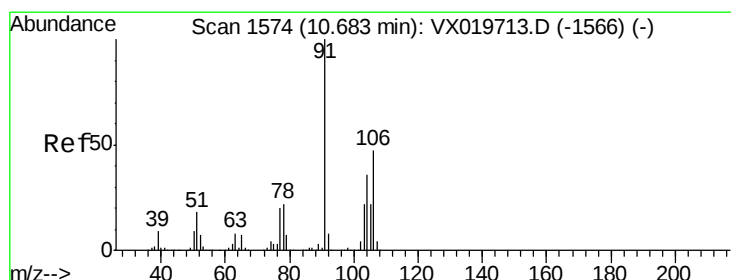
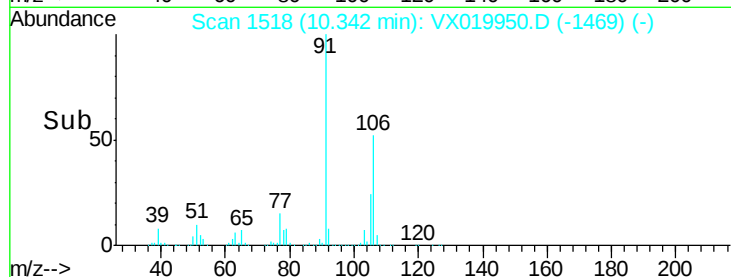
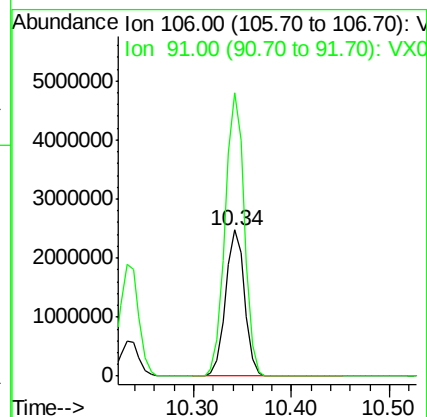
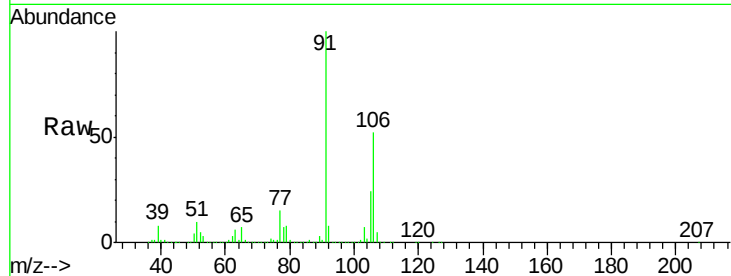
#68
m/p-Xylenes
Concen: 518.466 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Instrument :
MSVOA_X
ClientSampleId :
16827

Tot Ion:106 Resp: 3313620
Ion Ratio Lower Upper
106 100
91 196.9 162.8 244.2

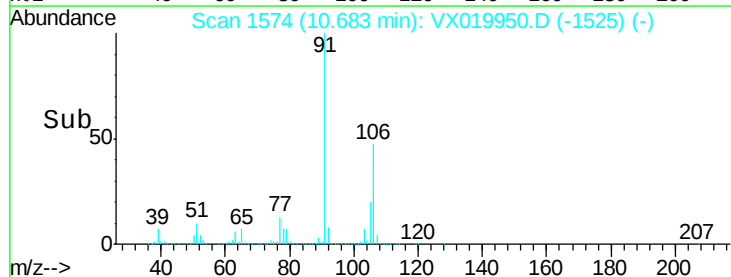
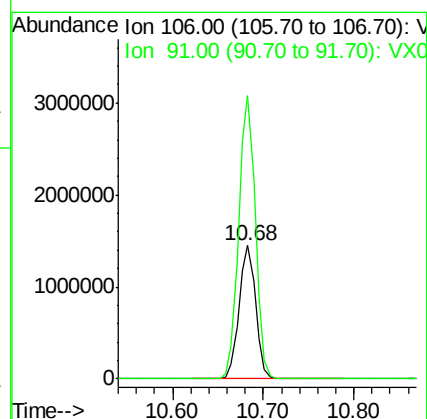
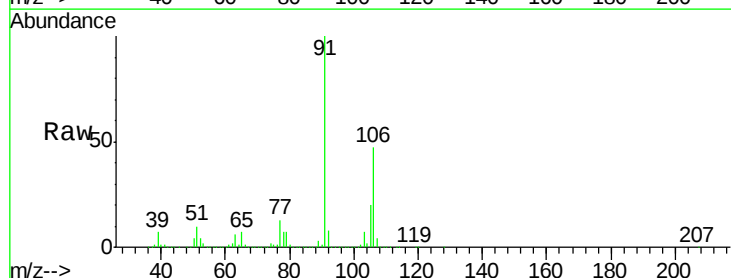
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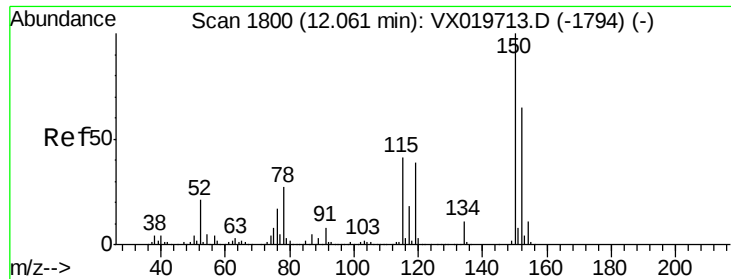
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#69
o-Xylene
Concen: 297.326 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019950.D
Acq: 12 Dec 2020 22:13

Tgt Ion:106 Resp: 1827959
Ion Ratio Lower Upper
106 100
91 213.6 108.1 324.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Instrument :

MSVOA_X

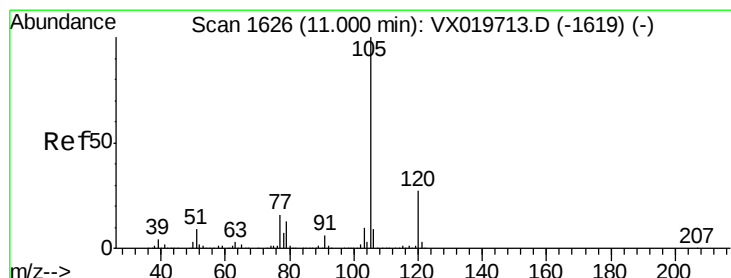
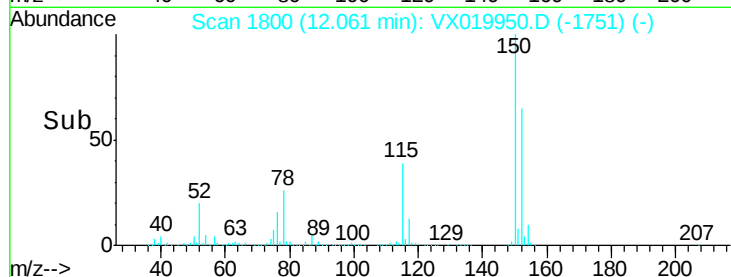
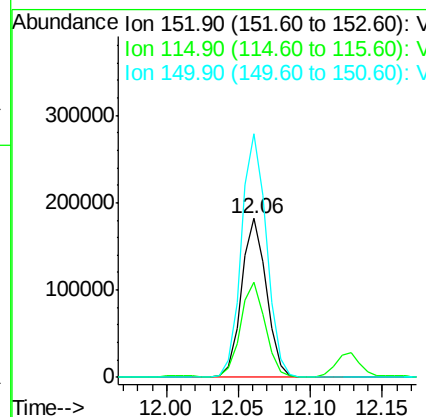
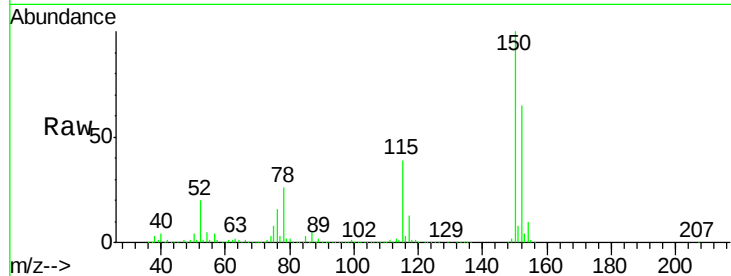
ClientSampleId :

16827

Tot Ion:	152	Resp:	219038
Ion Ratio	Lower	Upper	
152	100		
115	59.4	41.1	123.3
150	155.2	0.0	349.0

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#73

Isopropylbenzene

Concen: 8.167 ug/l

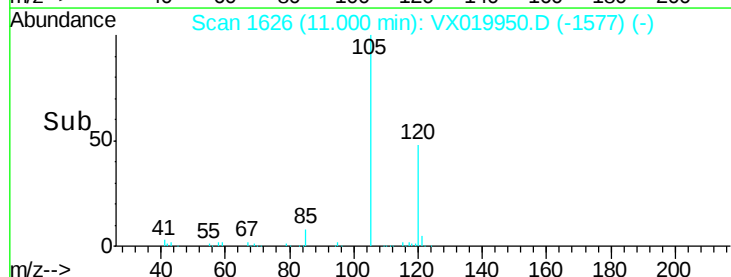
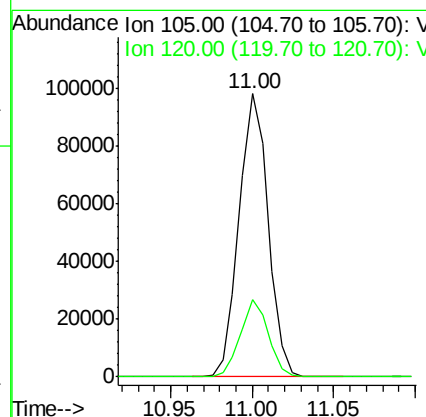
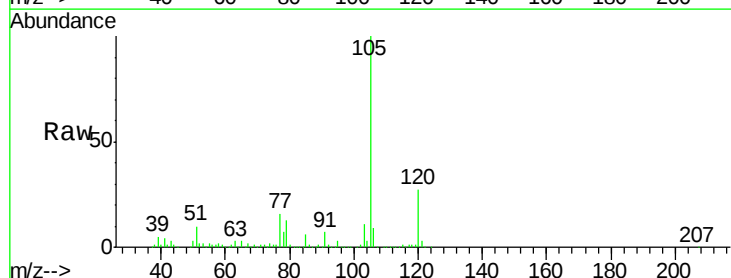
RT: 11.00 min Scan# 1626

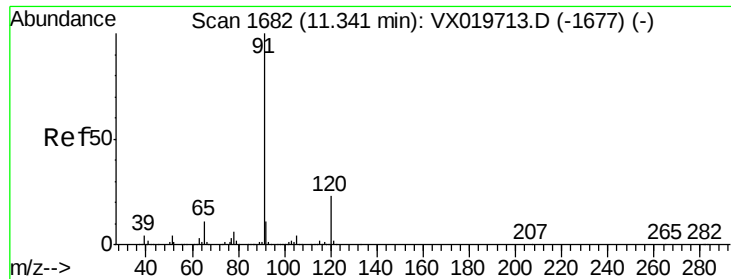
Delta R.T. 0.00 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Tgt Ion:	105	Resp:	122212
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.2	39.6





#78

n-propylbenzene

Concen: 24.000 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Instrument :

MSVOA_X

ClientSampleId :

16827

Tot Ion: 91 Resp: 410202

Ion Ratio Lower Upper

91 100

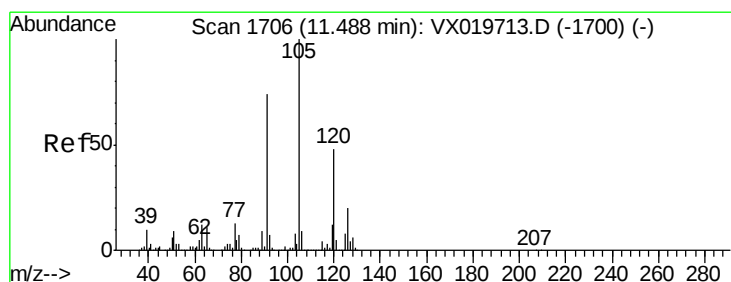
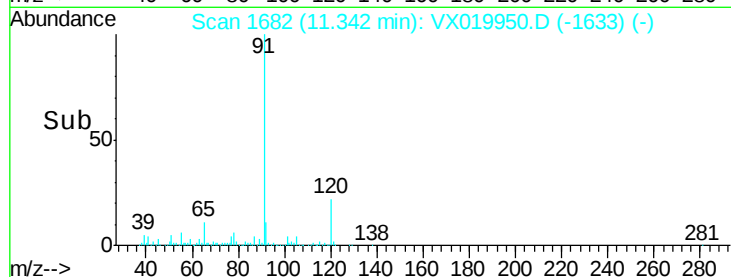
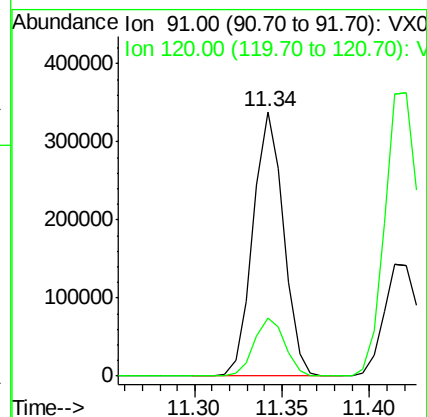
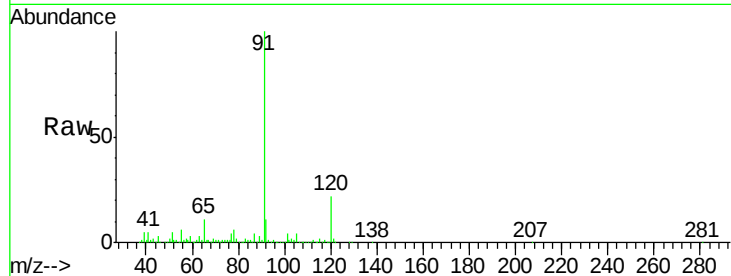
120 22.4 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 44.649 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019950.D

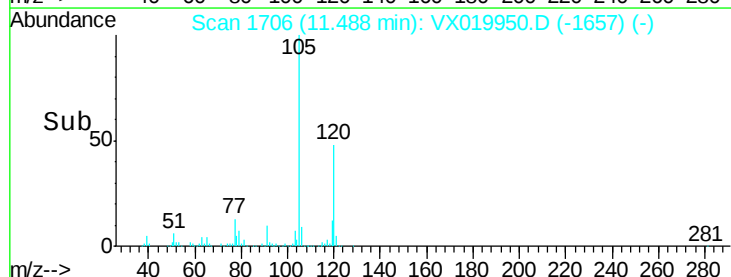
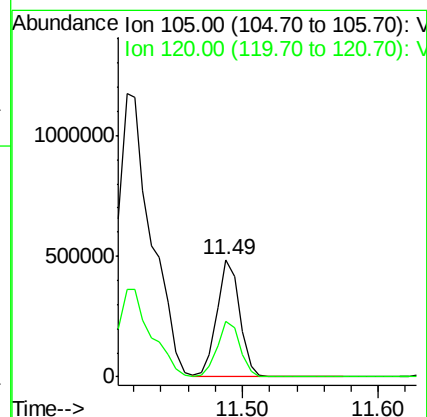
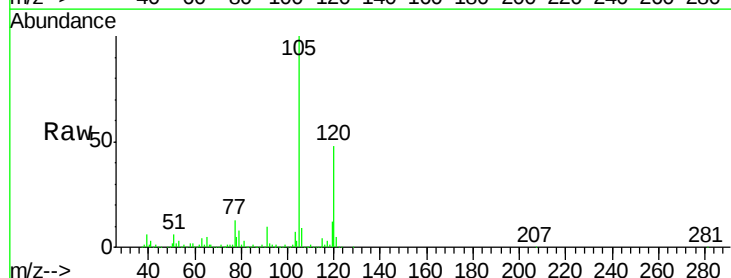
Acq: 12 Dec 2020 22:13

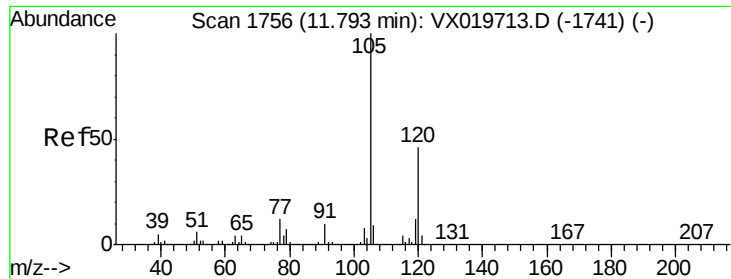
Tgt Ion: 105 Resp: 563897

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5





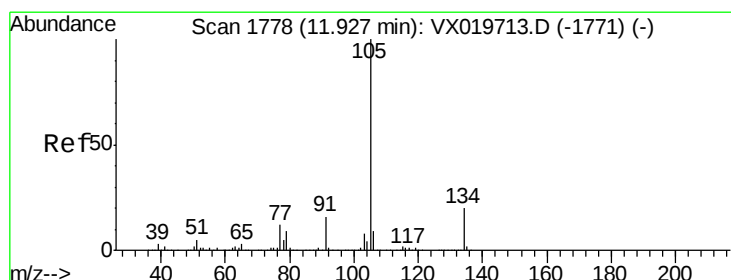
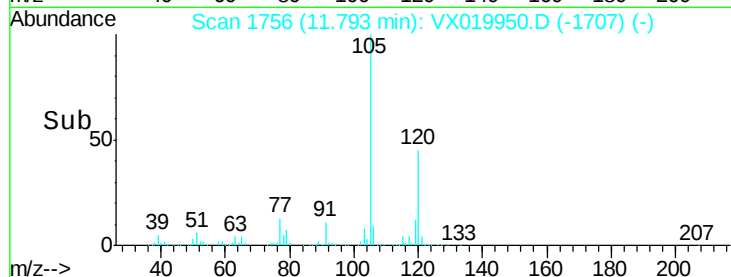
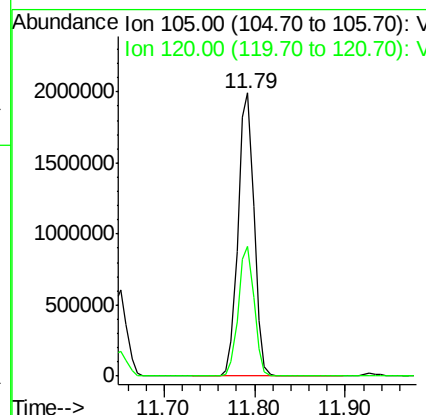
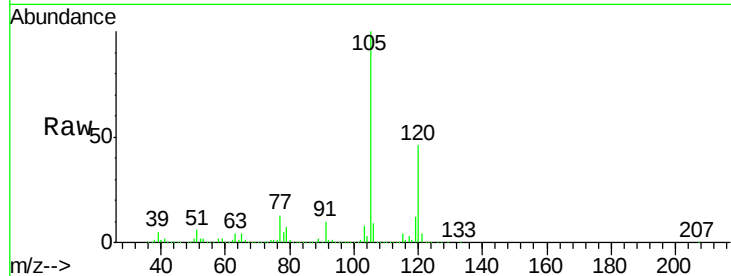
#84
 1,2,4-Trimethylbenzene
 Concen: 190.983 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019950.D
 Acq: 12 Dec 2020 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 16827

Tot Ion:105 Resp: 2429707
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.3

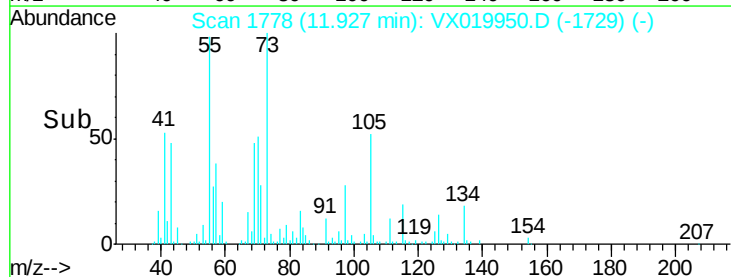
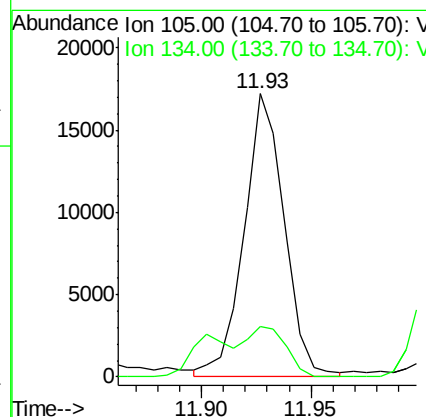
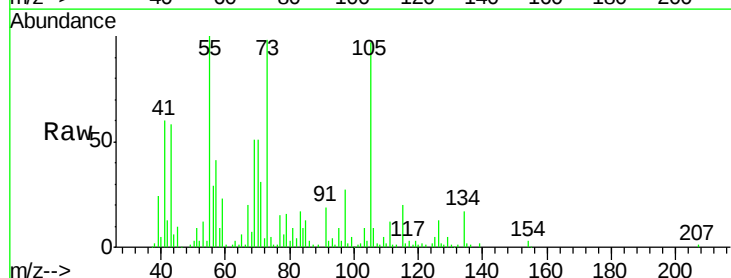
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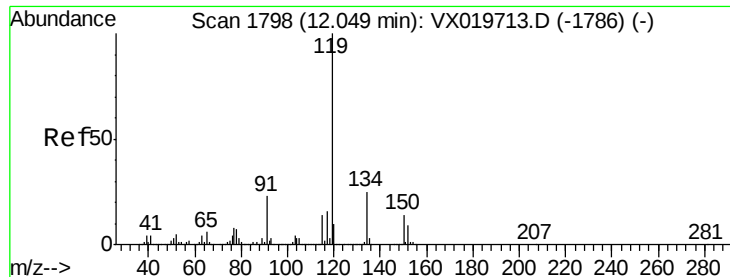
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#85
 sec-Butylbenzene
 Concen: 1.562 ug/l m
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019950.D
 Acq: 12 Dec 2020 22:13

Tgt Ion:105 Resp: 22085
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#





#86

p-Isopropyltoluene

Concen: 1.069 ug/l m

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Instrument :

MSVOA_X

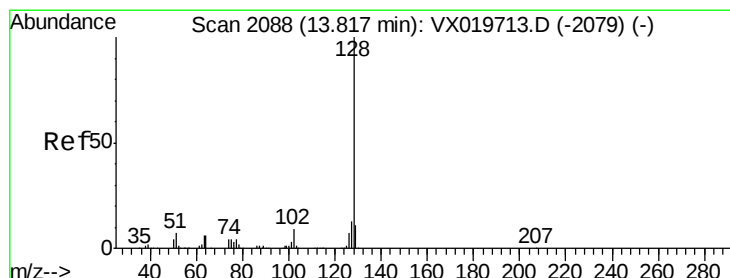
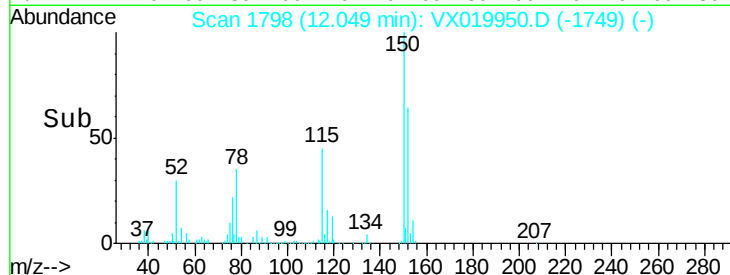
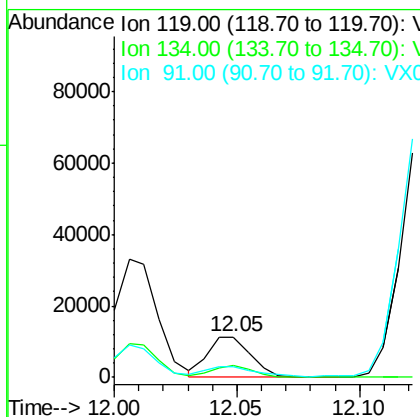
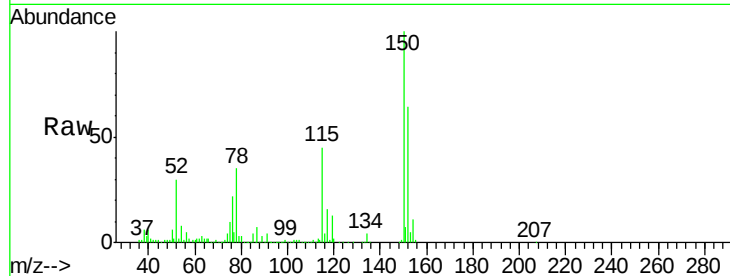
ClientSampled :

16827

Tot Ion:	119	Resp:	13851
Ion Ratio	Lower	Upper	
119	100		
134	84.7	12.9	38.7#
91	74.1	11.7	35.0#

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#95

Naphthalene

Concen: 127.915 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019950.D

Acq: 12 Dec 2020 22:13

Tgt Ion:	128	Resp:	1849653
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2

