

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121020\
 Data File : VX019822.D
 Acq On : 10 Dec 2020 13:57
 Operator : JC/MD
 Sample : L5020-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA

Manual Integrations
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 12/11/2020 12:45:54 PM

Quant Time: Dec 11 12:40:44 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	5.62	168	310940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	511602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215937	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	190936	46.72	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.44%		
35) Dibromofluoromethane	5.46	113	153132	46.31	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.62%		
50) Toluene-d8	8.70	98	618516	49.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.00%		
62) 4-Bromofluorobenzene	11.12	95	229508	47.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1429	0.405	ug/l	94
8) Diethyl Ether	2.17	74	8630	4.142	ug/l	97
11) Tert butyl alcohol	3.01	59	4261515	5123.230	ug/l	99
17) Carbon Disulfide	2.55	76	3428	0.419	ug/l #	93
19) Methyl tert-butyl Ether	3.17	73	19263	1.857	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	3867	0.995	ug/l	90
29) Tetrahydrofuran	5.08	42	1168461	768.353	ug/l	99
40) Benzene	6.11	78	39935	2.828	ug/l	98
42) 1,2-Dichloroethane	6.15	62	3545	0.735	ug/l	98
49) 1,4-Dioxane	7.71	88	8866	98.063	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	41145	8.881	ug/l #	77
52) Toluene	8.76	92	38701	4.382	ug/l	100
59) 2-Hexanone	9.47	43	7519	2.094	ug/l	93
65) Chlorobenzene	10.12	112	6456	0.681	ug/l #	83
67) Ethyl Benzene	10.23	91	14116	0.839	ug/l	98
68) m/p-Xylenes	10.34	106	45179	7.127	ug/l	99
69) o-Xylene	10.68	106	32677	5.359	ug/l	98
73) Isopropylbenzene	11.00	105	3306	0.224	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	11986	0.963	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	23286	1.857	ug/l	95
86) p-Isopropyltoluene	12.05	119	5324m	0.417	ug/l	
88) 1,4-Dichlorobenzene	12.08	146	23008	3.260	ug/l	89

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

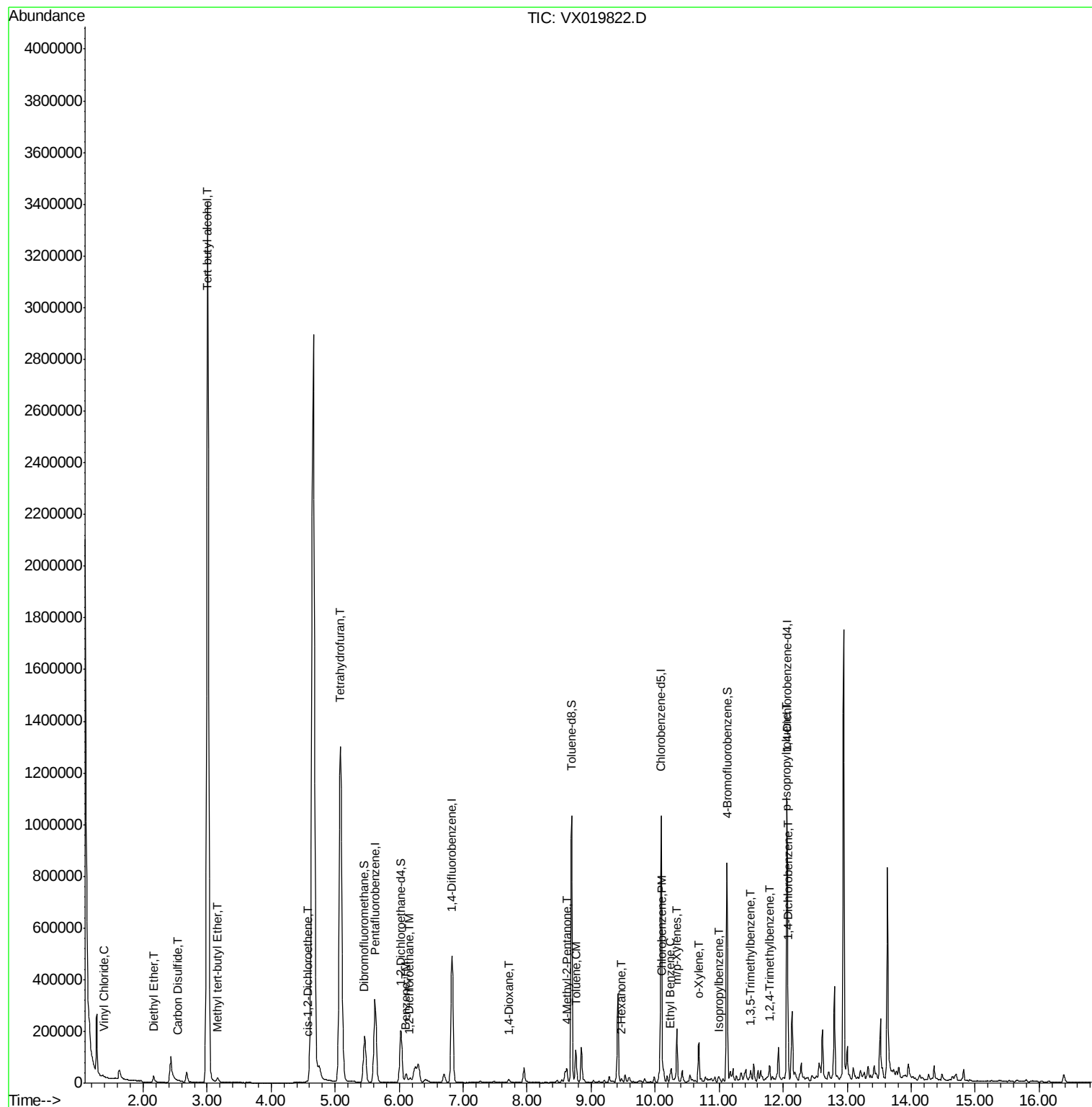
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121020\
Data File : VX019822.D
Acq On : 10 Dec 2020 13:57
Operator : JC/MD
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Quant Time: Dec 11 12:40:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





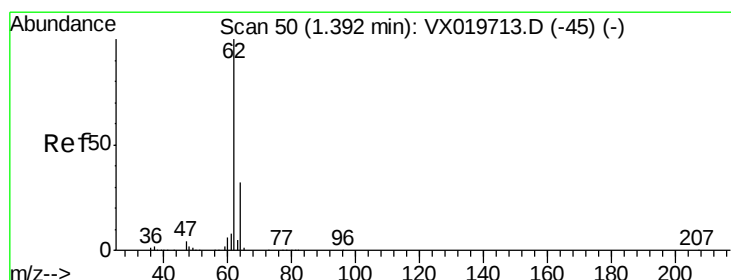
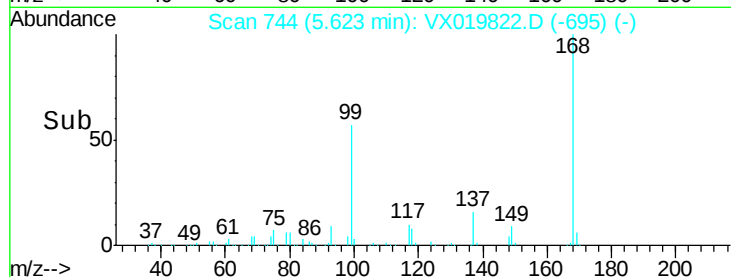
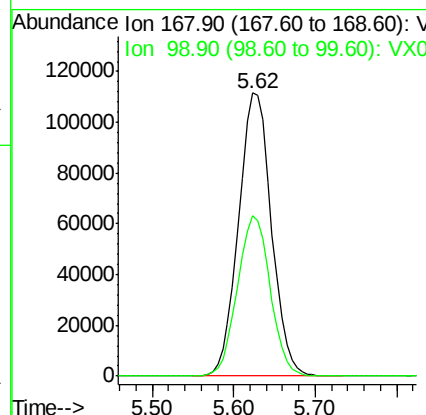
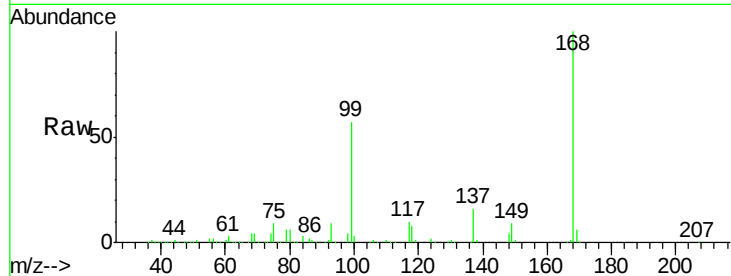
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
168	100	310940		
99	56.9	45.8	68.6	

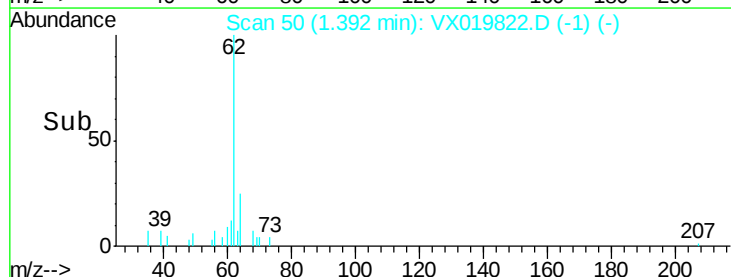
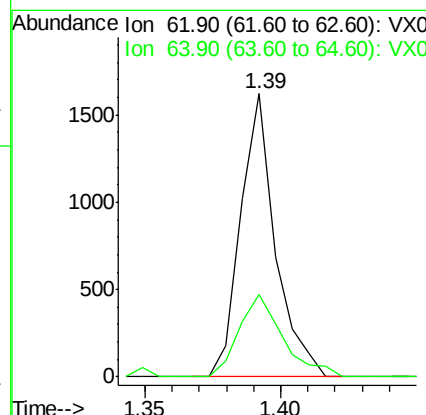
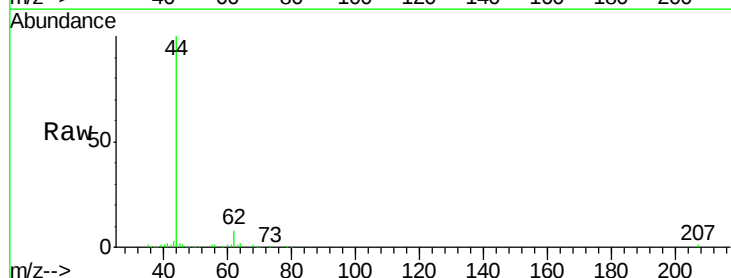
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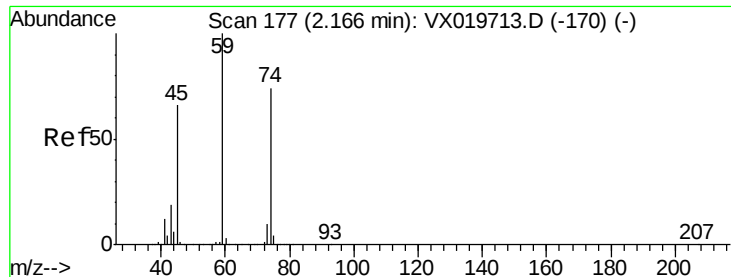
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#4
Vinyl Chloride
Concen: 0.405 ug/l
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1429		
64	29.0	25.7	38.5	





#8

Diethyl Ether

Concen: 4.142 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX019822.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

201209058-02-VOA

Tot Ion: 74 Resp: 8630

Ion Ratio Lower Upper

74 100

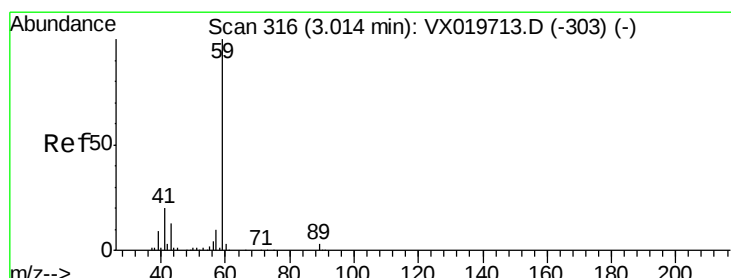
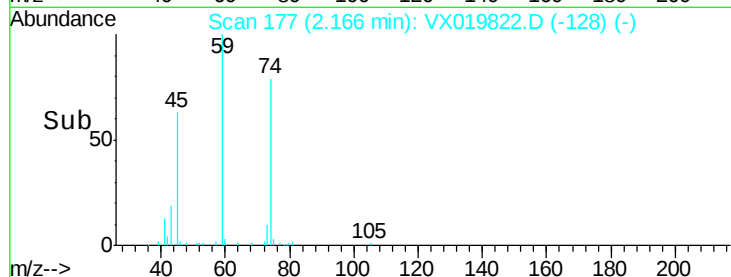
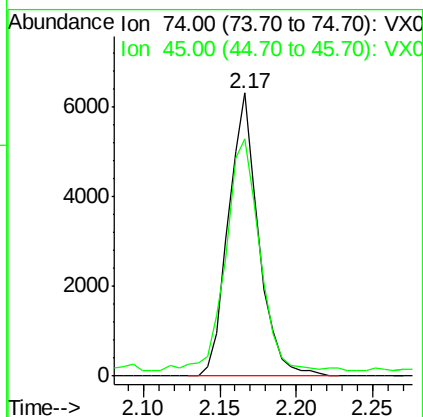
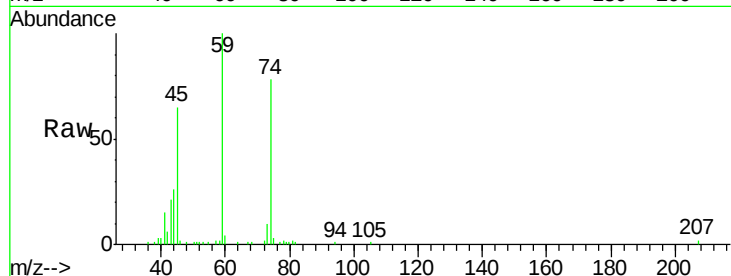
45 91.9 44.5 133.5

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#11

Tert butyl alcohol

Concen: 5123.230 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX019822.D

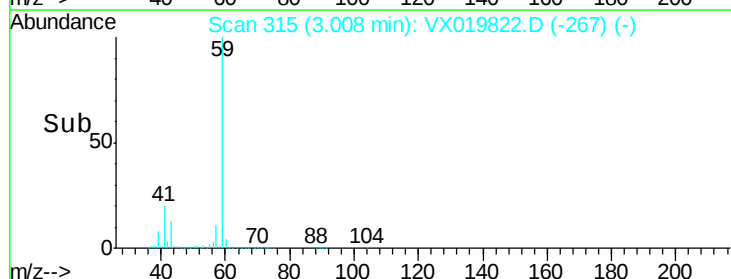
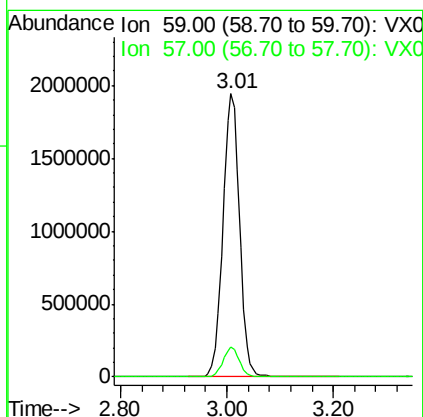
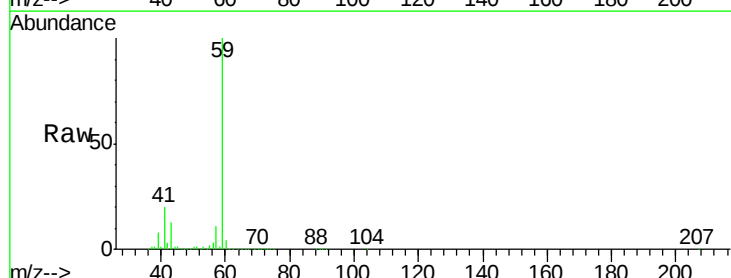
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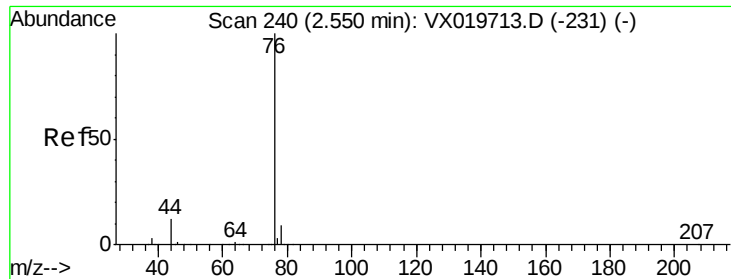
Tgt Ion: 59 Resp: 4261515

Ion Ratio Lower Upper

59 100

57 10.2 7.8 11.8





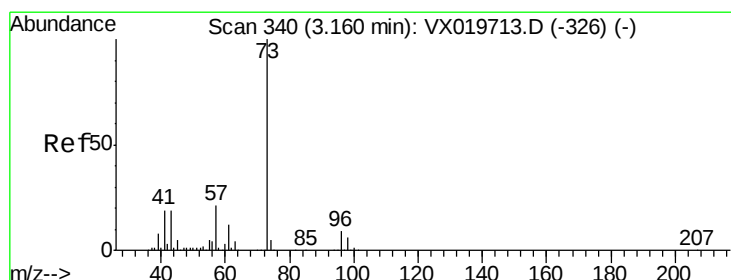
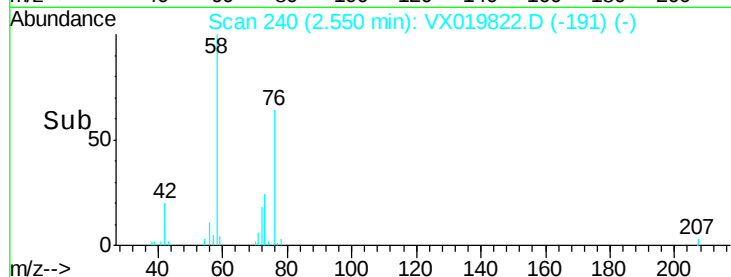
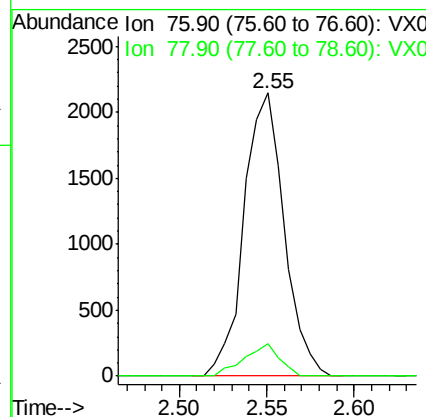
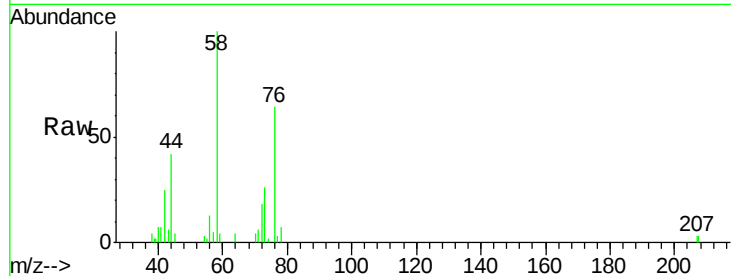
#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion: 76 Resp: 3428
Ion Ratio Lower Upper
76 100
78 11.6 7.2 10.8#

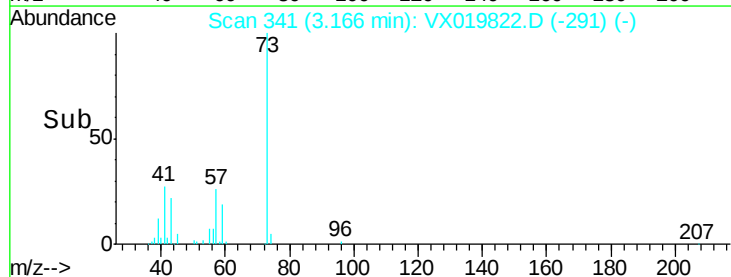
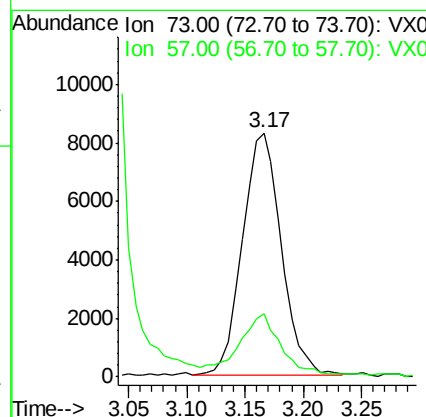
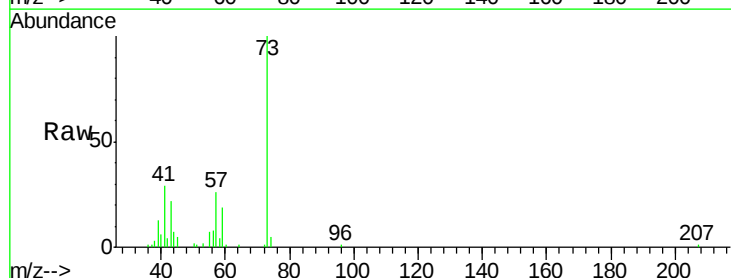
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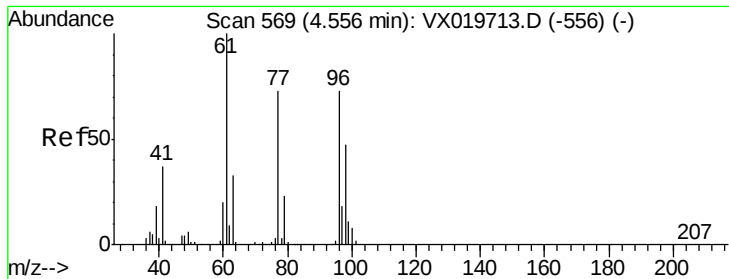
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#19
Methyl tert-butyl Ether
Concen: 1.857 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 73 Resp: 19263
Ion Ratio Lower Upper
73 100
57 24.4 17.1 25.7





#27

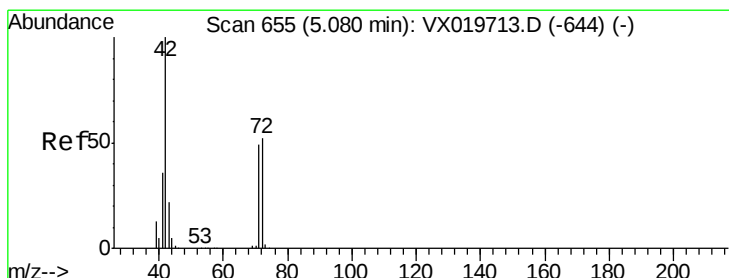
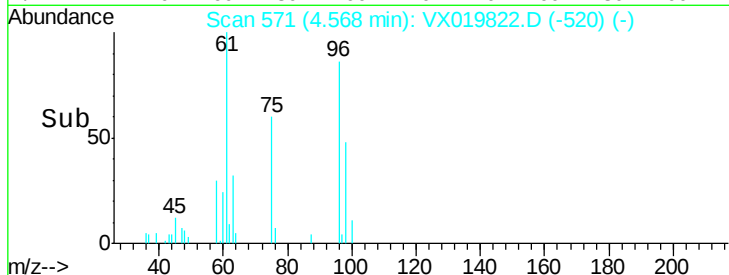
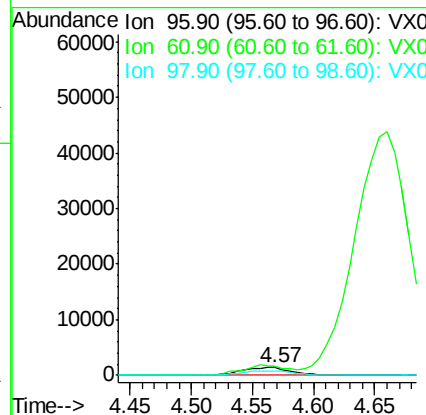
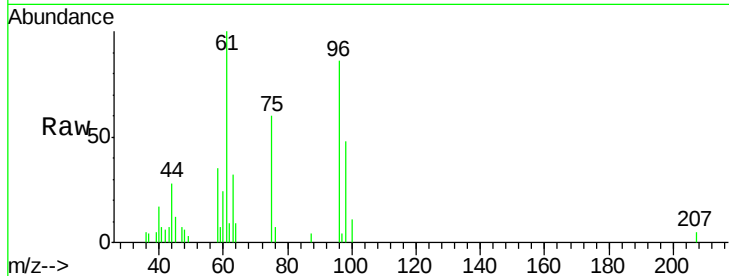
cis-1,2-Dichloroethene
Concen: 0.995 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
96	100	3867		
61	126.5		0.0	285.6
98	62.3		0.0	129.6

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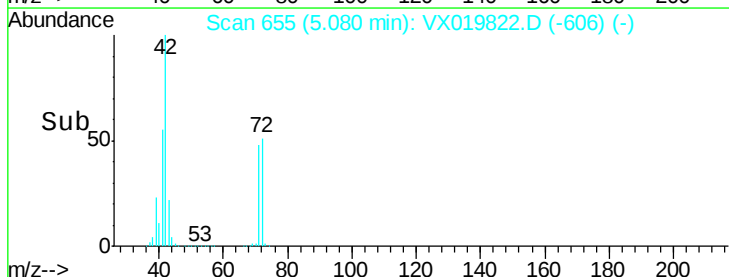
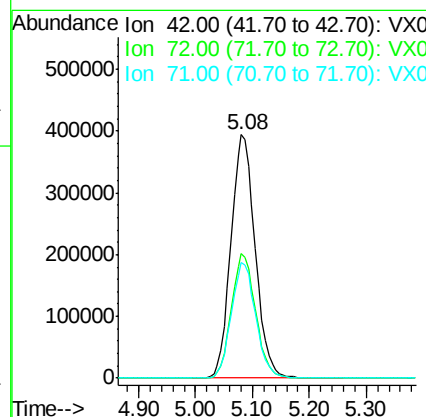
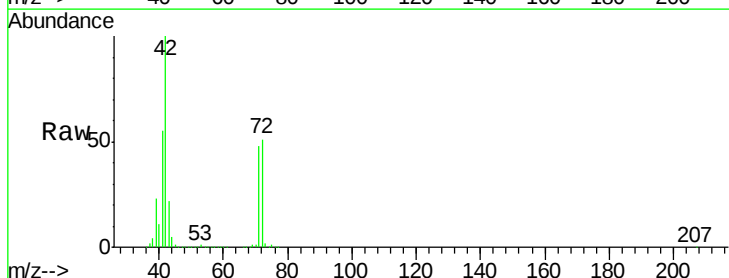
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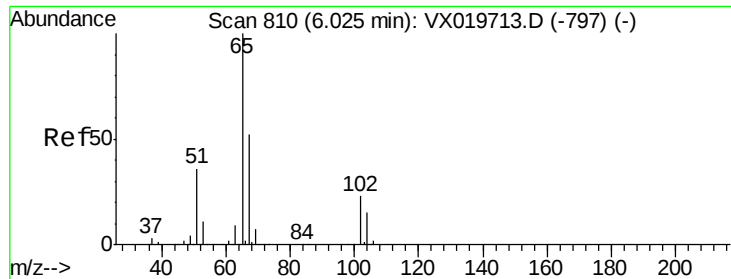


#29

Tetrahydrofuran
Concen: 768.353 ug/l
RT: 5.08 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	1168461		
72	50.9		41.7	62.5
71	47.7		38.4	57.6





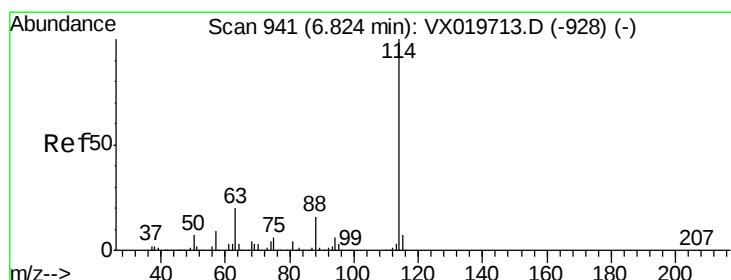
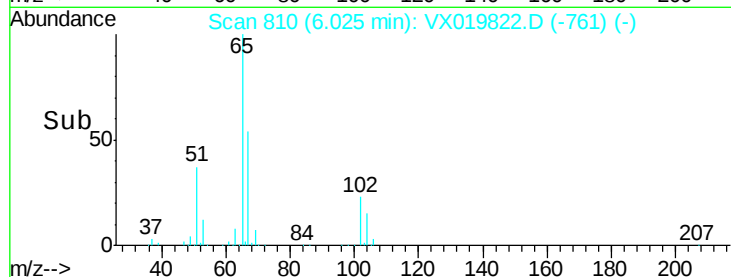
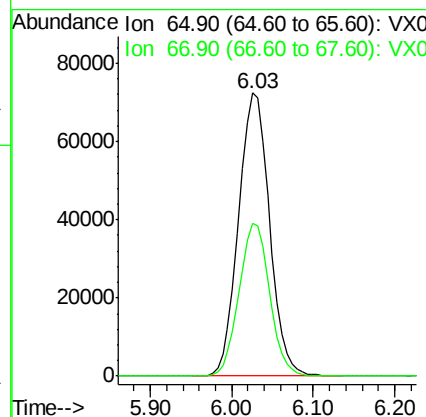
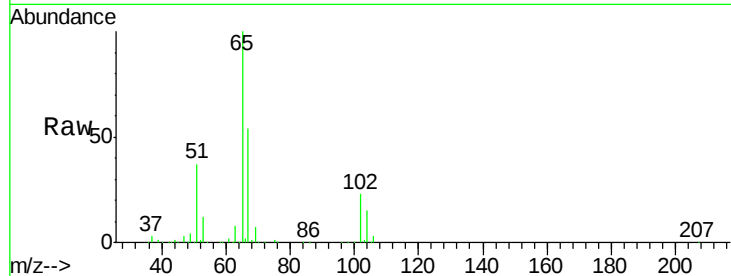
#33
 1,2-Dichloroethane-d4
 Concen: 46.722 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190936		
67	53.2	0.0	105.4	

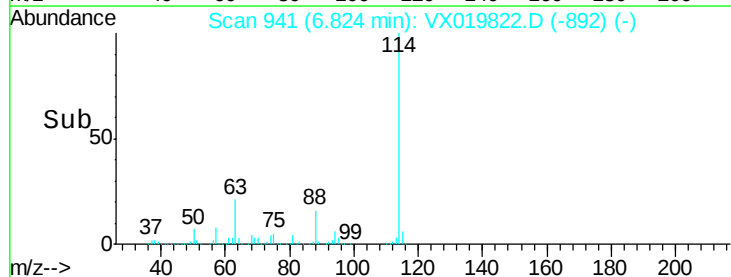
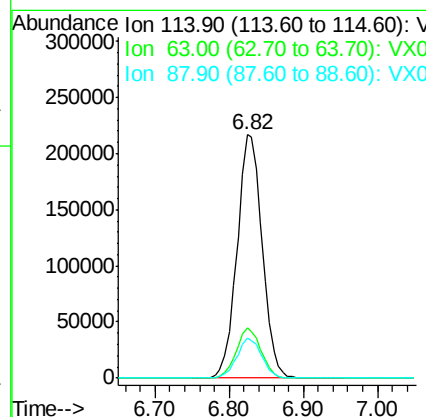
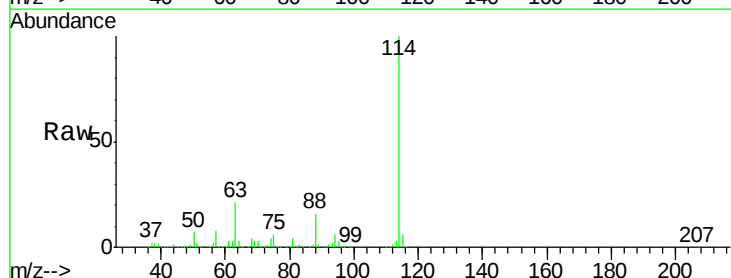
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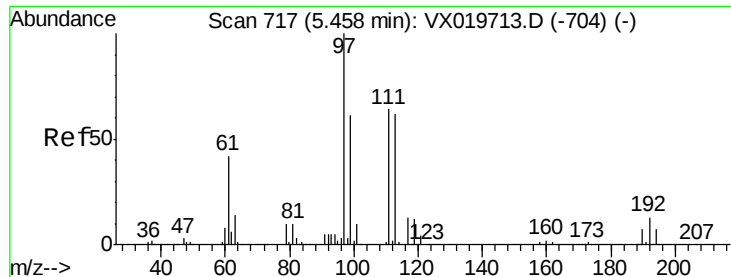
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	511602		
63	20.6	0.0	40.8	
88	16.4	0.0	32.8	





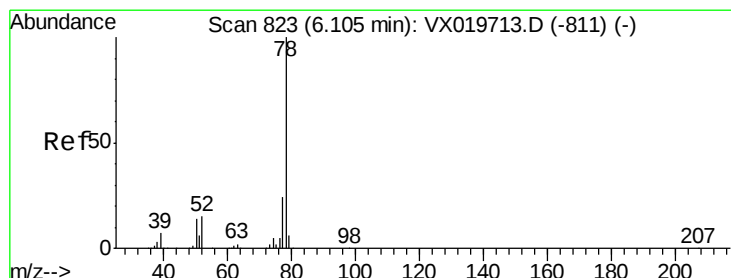
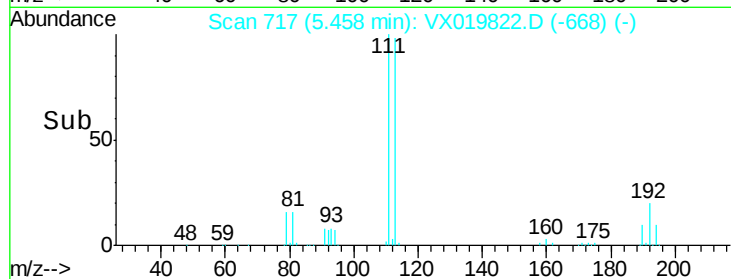
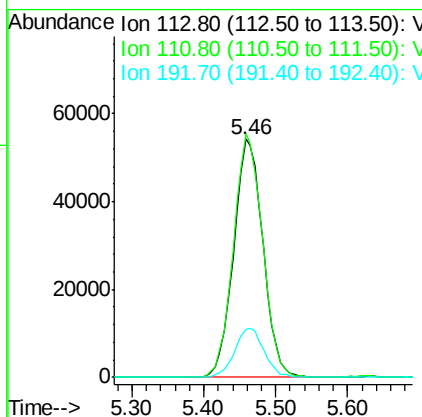
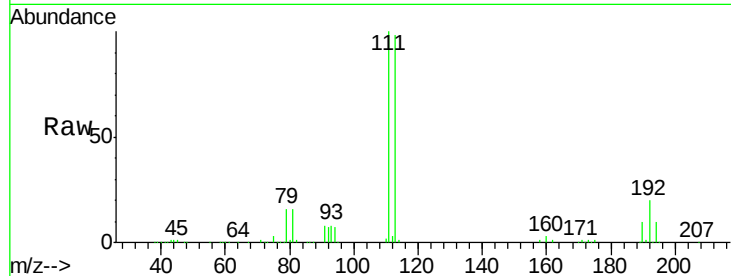
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Dibromofluoromethane
Concen: 46.314 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153132		
111	101.6	81.9	122.9	
192	20.7	16.7	25.1	

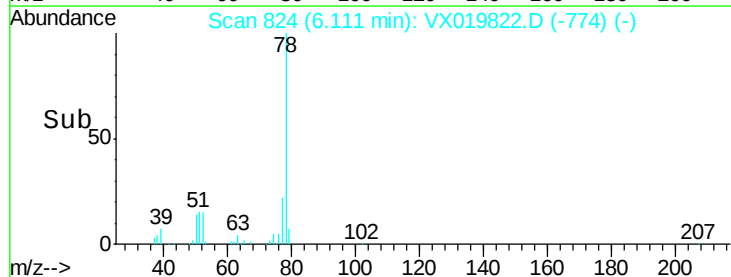
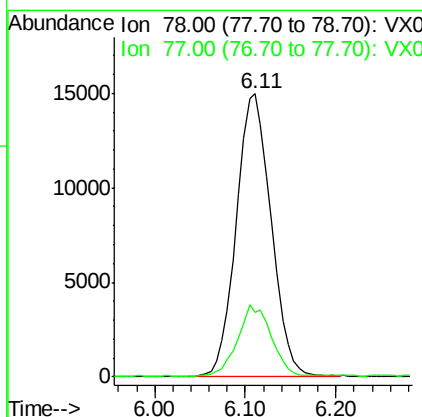
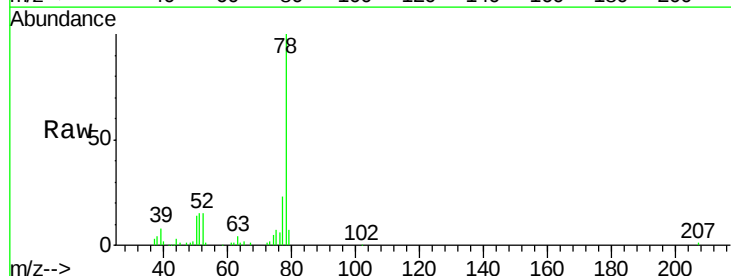
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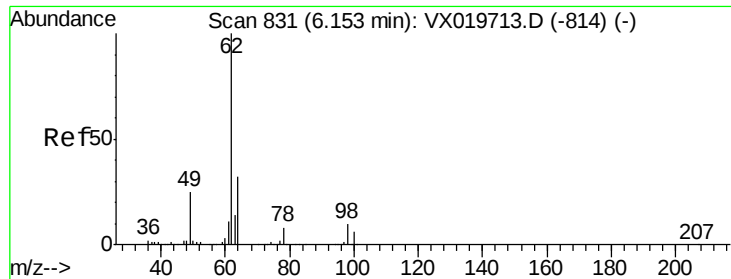
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#40
Benzene
Concen: 2.828 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	39935		
77	22.8	18.9	28.3	





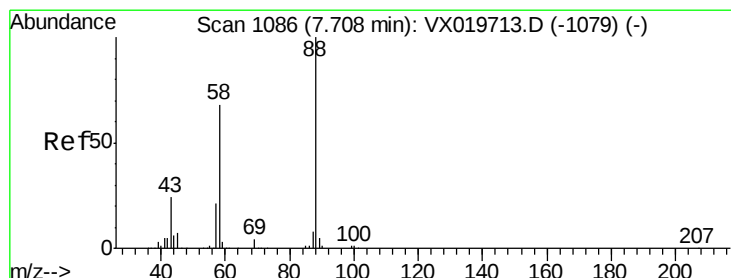
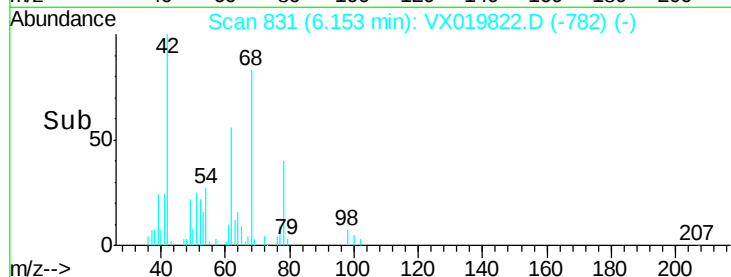
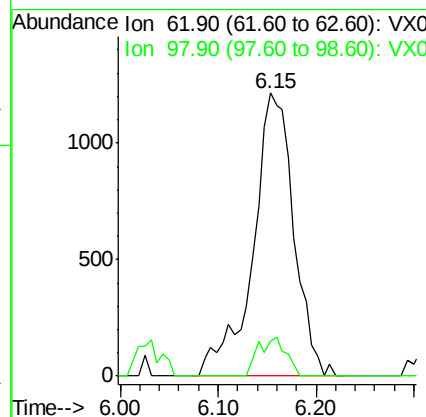
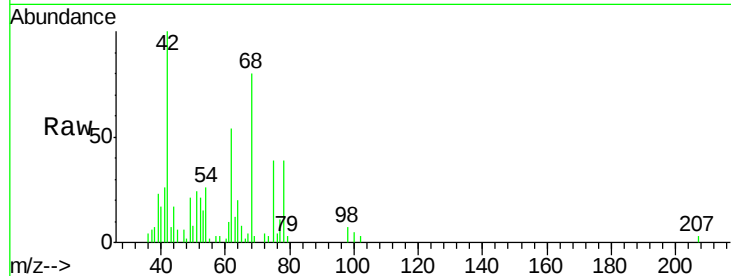
#42
 1,2-Dichloroethane
 Concen: 0.735 ug/l
 RT: 6.15 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
62	100	3545		
98	9.3	0.0	20.2	

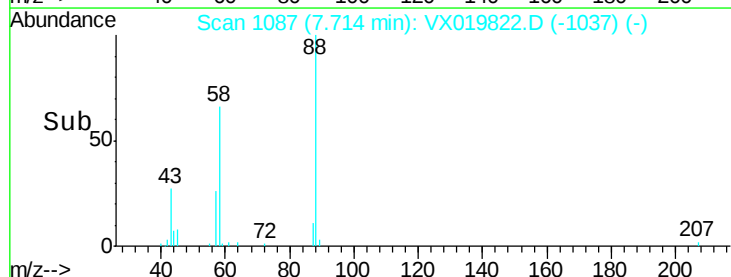
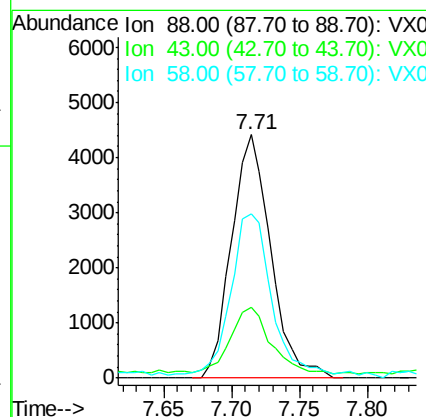
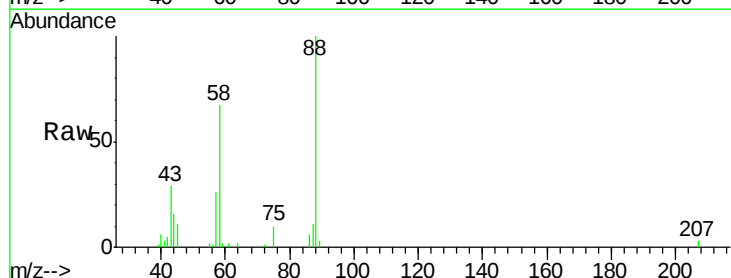
Manual Integrations
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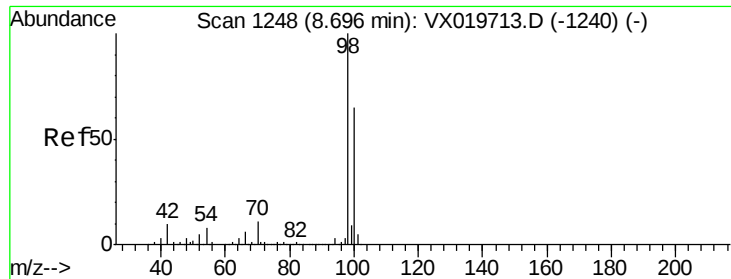
MMDadoda
 12/11/2020 12:45:54 PM



#49
 1,4-Dioxane
 Concen: 98.063 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. 0.01 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	8866		
43	27.5	23.2	34.8	
58	66.1	55.0	82.4	





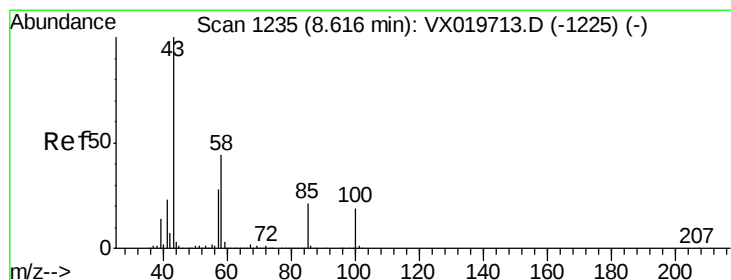
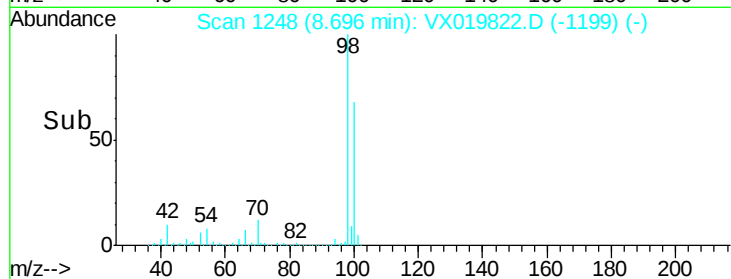
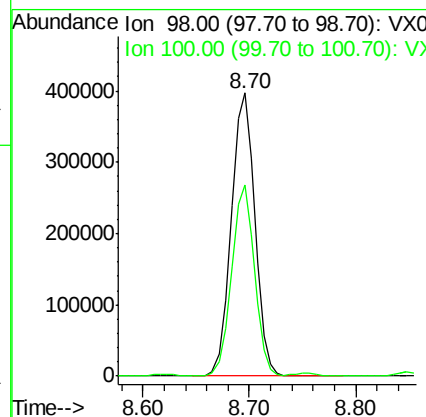
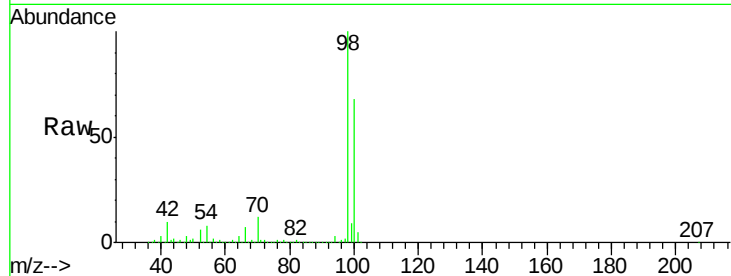
#50
Toluene-d8
Concen: 48.999 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion: 98 Resp: 618516
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

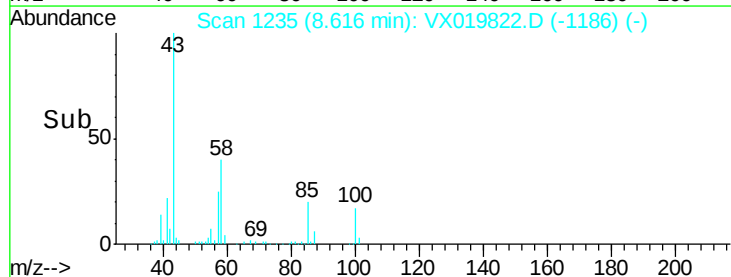
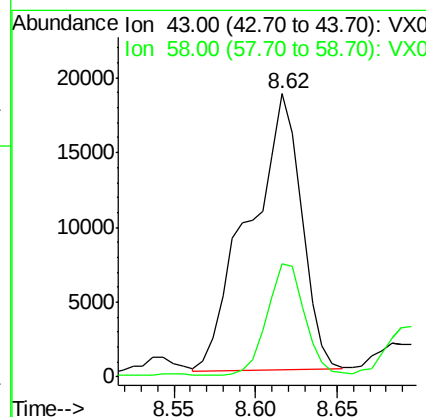
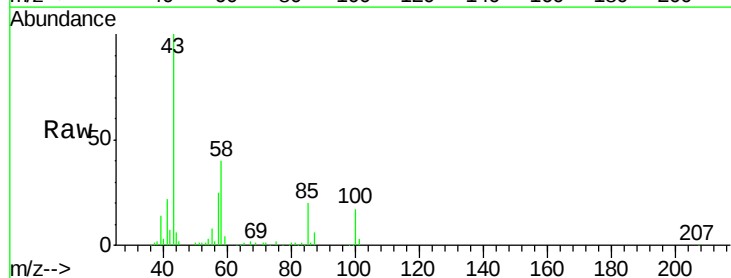
Manual Integrations
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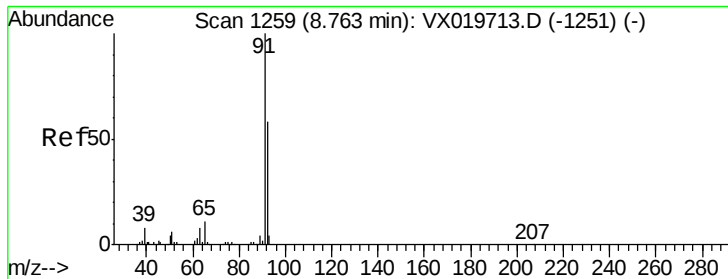
MMDadoda
12/11/2020 12:45:54 PM



#51
4-Methyl-2-Pentanone
Concen: 8.881 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 43 Resp: 41145
Ion Ratio Lower Upper
43 100
58 29.2 35.4 53.0#





#52

Toluene

Concen: 4.382 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019822.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

201209058-02-VOA

Tot Ion: 92 Resp: 38701

Ion Ratio Lower Upper

92 100

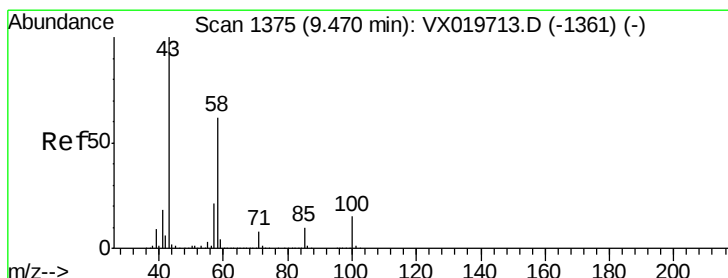
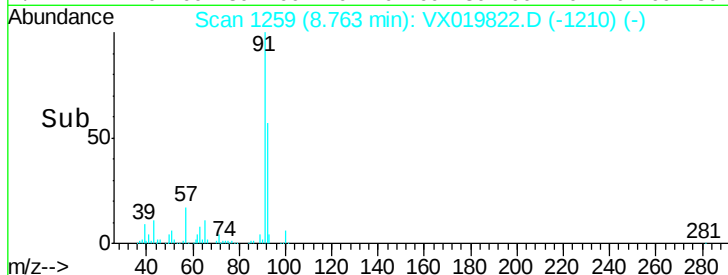
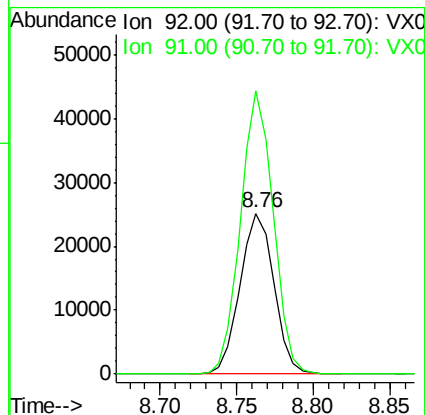
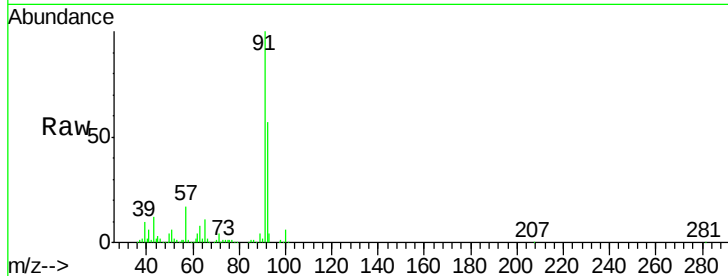
91 170.9 137.1 205.7

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#59

2-Hexanone

Concen: 2.094 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX019822.D

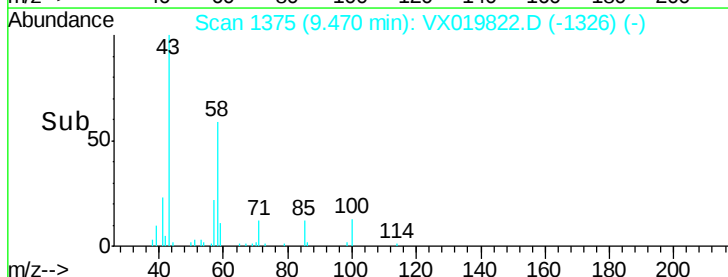
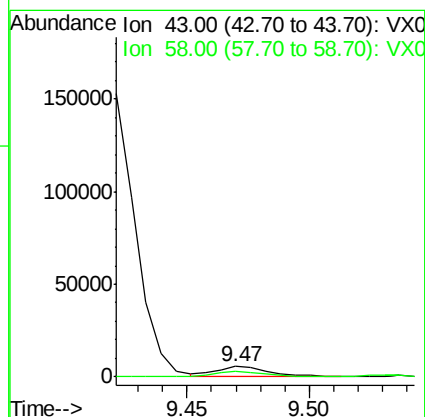
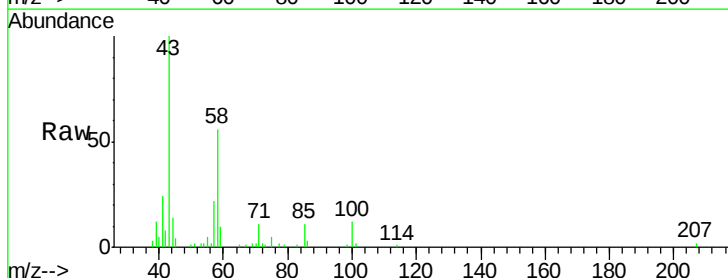
Acq: 10 Dec 2020 13:57

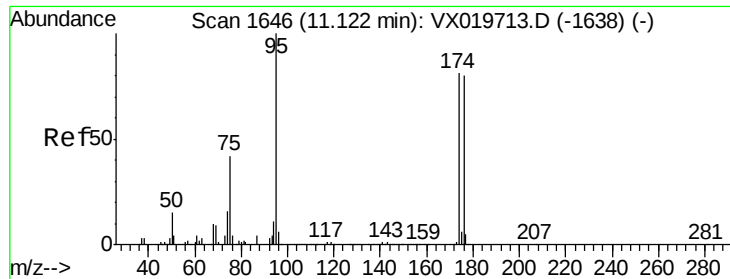
Tgt Ion: 43 Resp: 7519

Ion Ratio Lower Upper

43 100

58 56.3 30.9 92.8





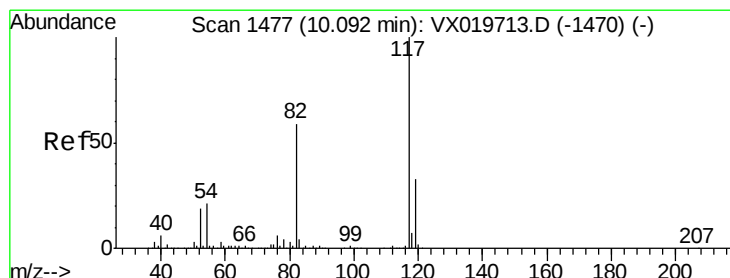
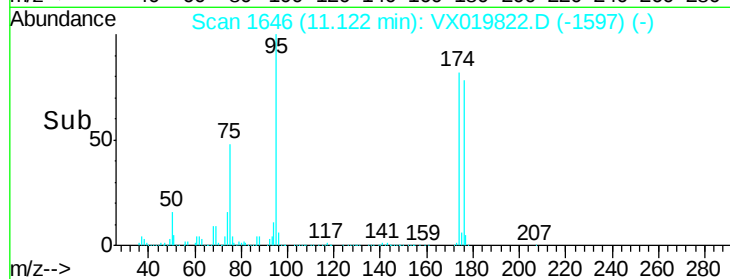
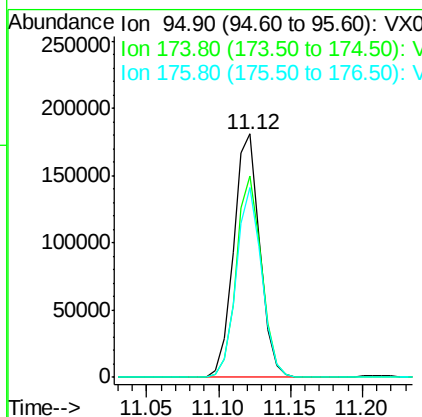
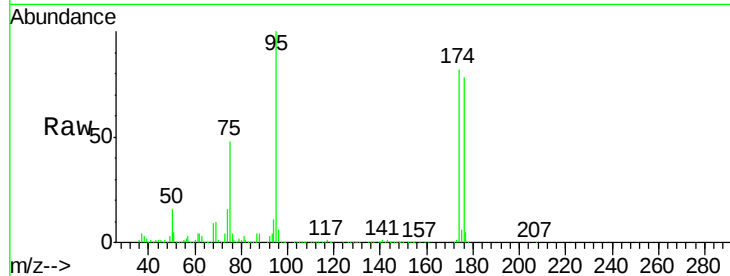
#62
4-Bromofluorobenzene
Concen: 47.770 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
95	100	229508		
174	80.0	0.0	154.6	
176	75.5	0.0	155.8	

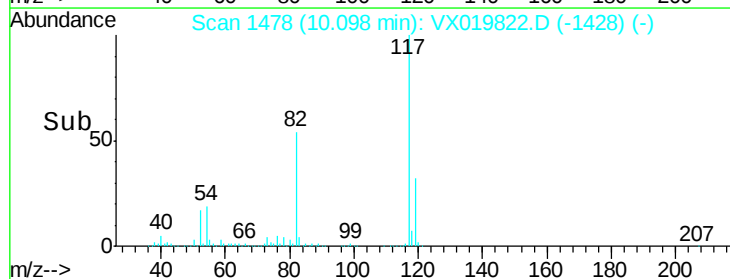
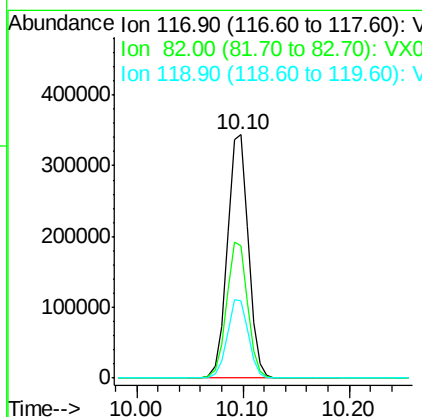
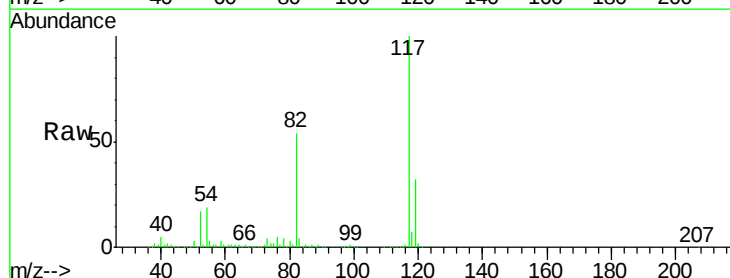
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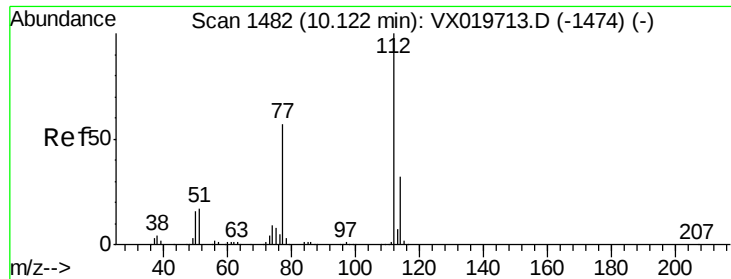
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	475706		
82	54.1	47.4	71.2	
119	31.6	26.6	39.8	





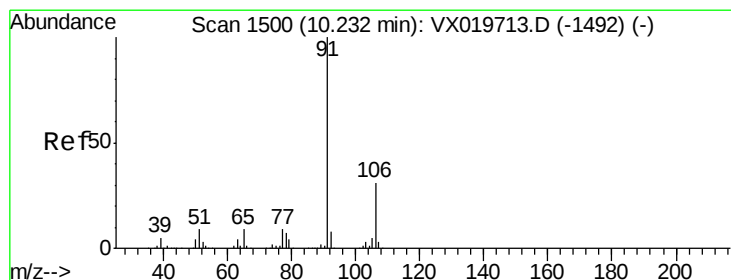
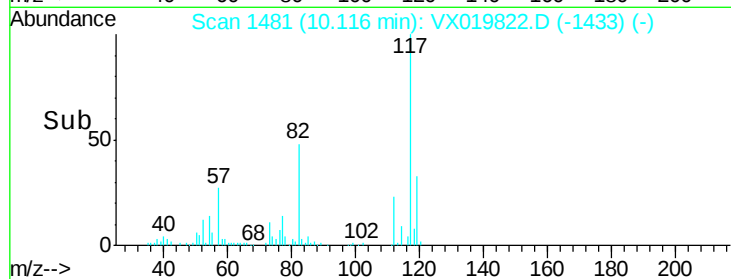
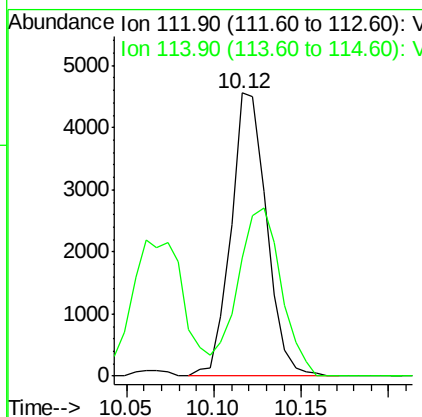
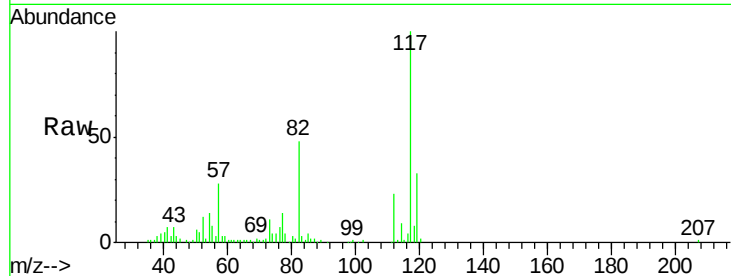
#65
Chlorobenzene
Concen: 0.681 ug/l
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion:112 Resp: 6456
Ion Ratio Lower Upper
112 100
114 41.7 25.8 38.6#

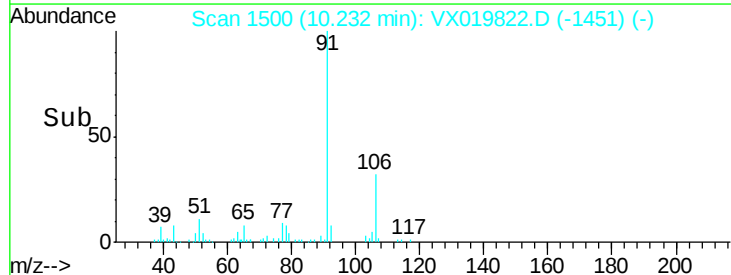
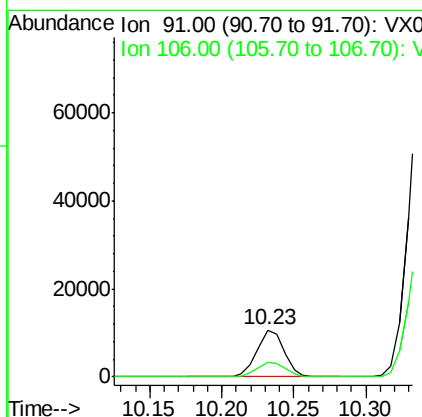
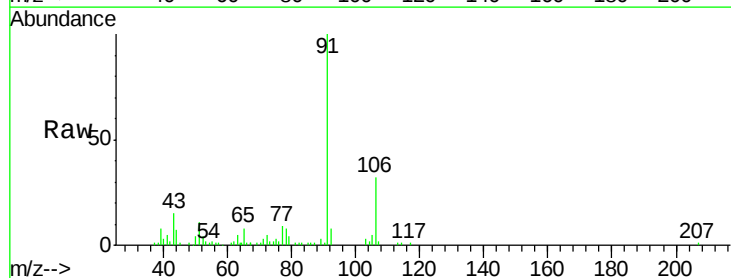
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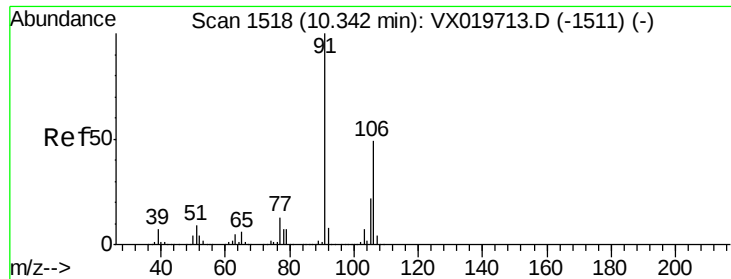
MMDadoda
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#67
Ethyl Benzene
Concen: 0.839 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 91 Resp: 14116
Ion Ratio Lower Upper
91 100
106 32.1 24.6 37.0





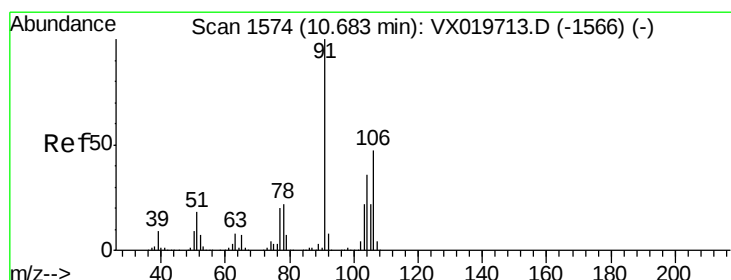
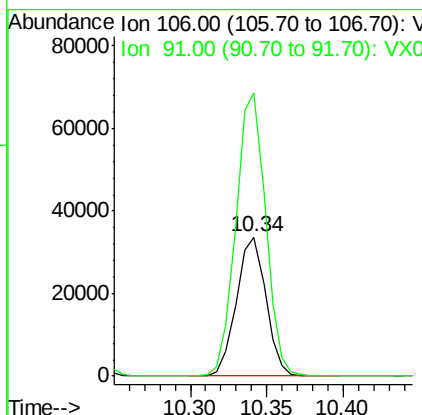
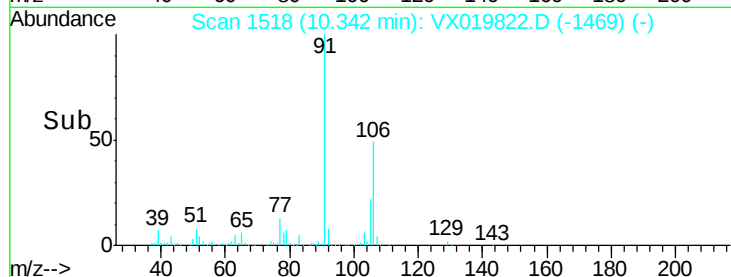
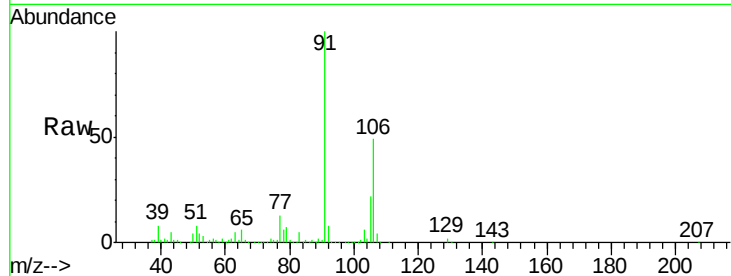
#68
m/p-Xylenes
Concen: 7.127 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion:106 Resp: 45179
Ion Ratio Lower Upper
106 100
91 205.1 162.8 244.2

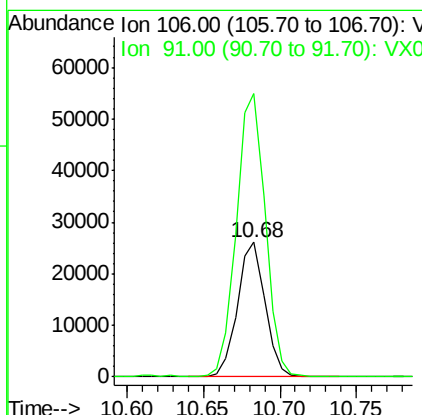
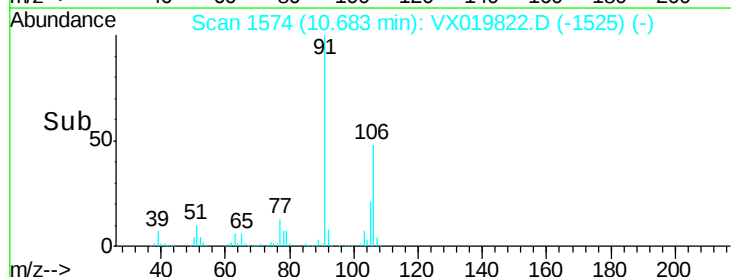
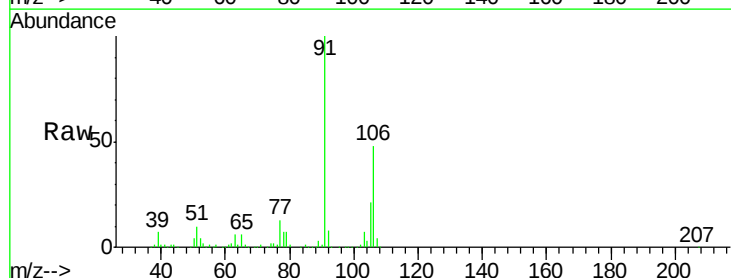
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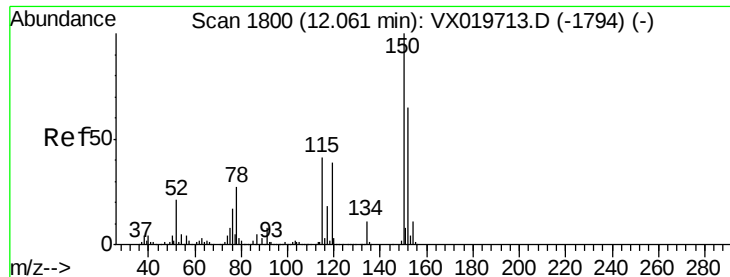
MMDadoda
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#69
o-Xylene
Concen: 5.359 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion:106 Resp: 32677
Ion Ratio Lower Upper
106 100
91 219.7 108.1 324.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019822.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_X

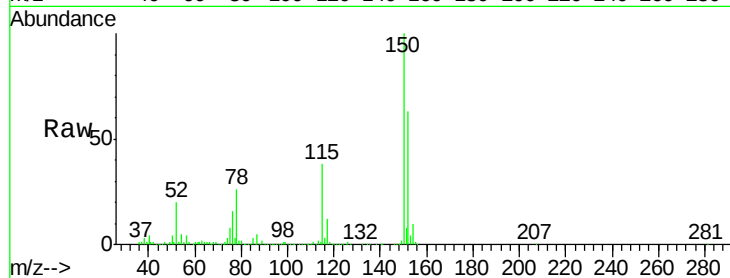
ClientSampleId :

201209058-02-VOA

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.1	123.3
150	159.3	0.0	349.0

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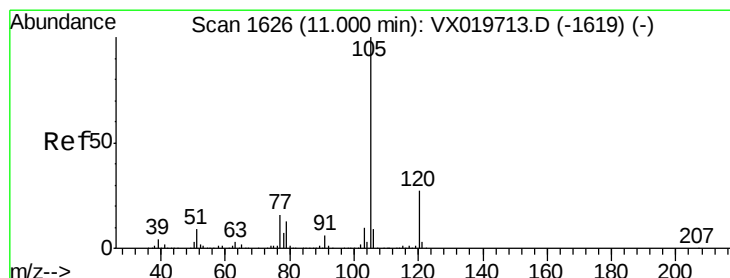
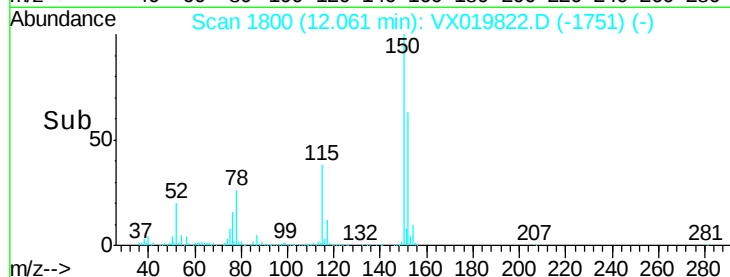
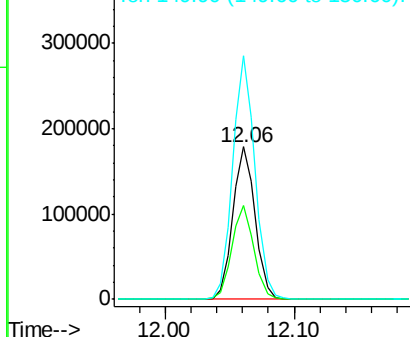
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.224 ug/l

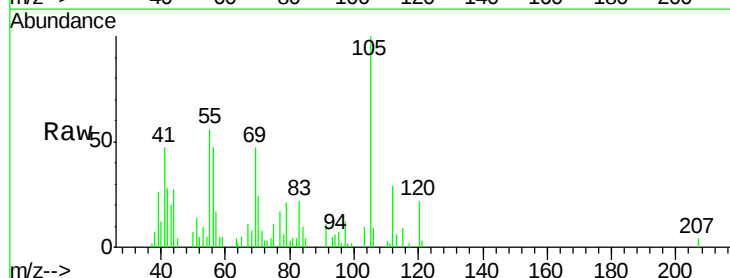
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019822.D

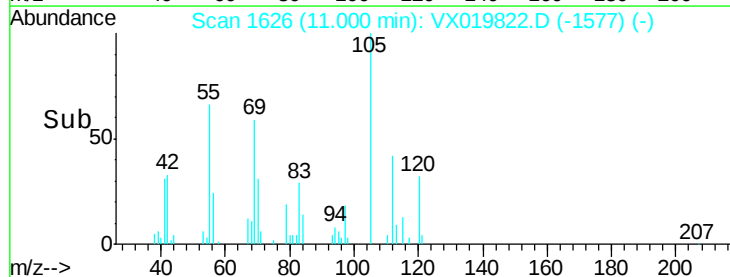
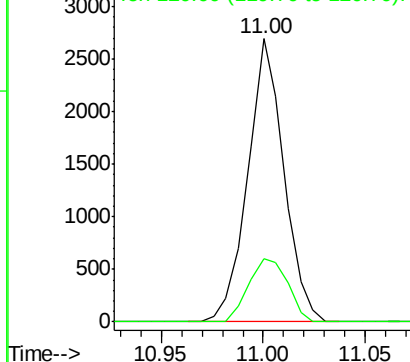
Acq: 10 Dec 2020 13:57

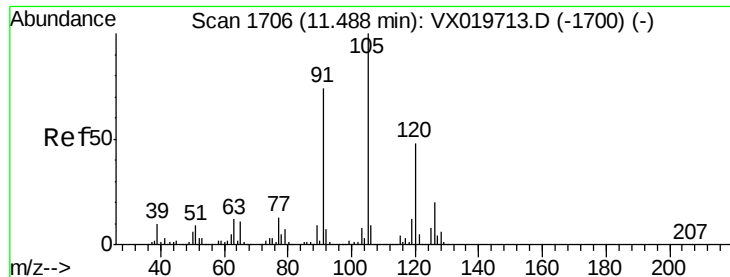
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.0	13.2	39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





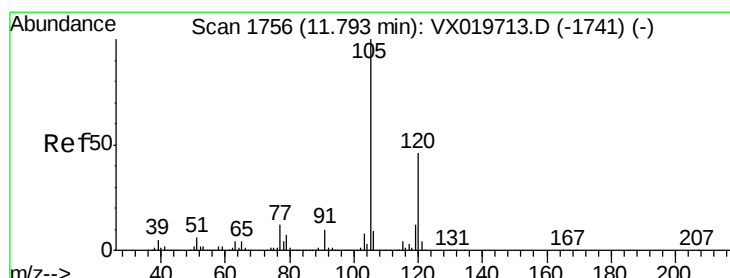
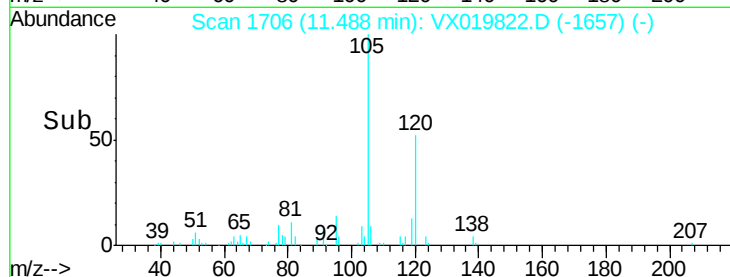
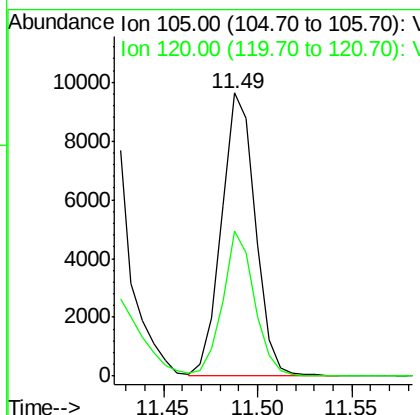
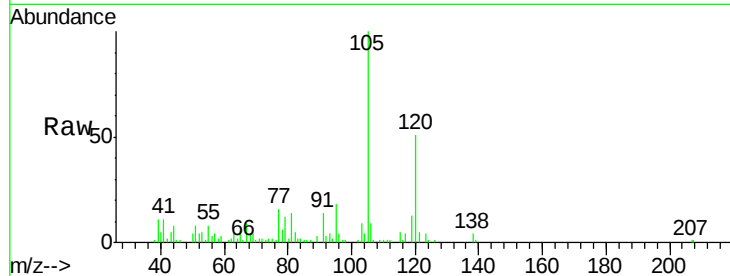
#80
 1,3,5-Trimethylbenzene
 Concen: 0.963 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.5

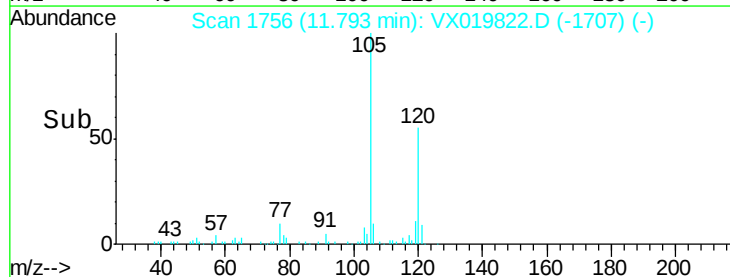
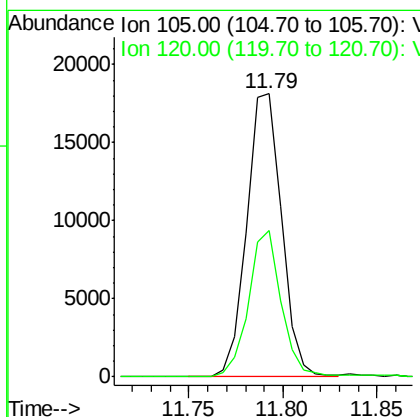
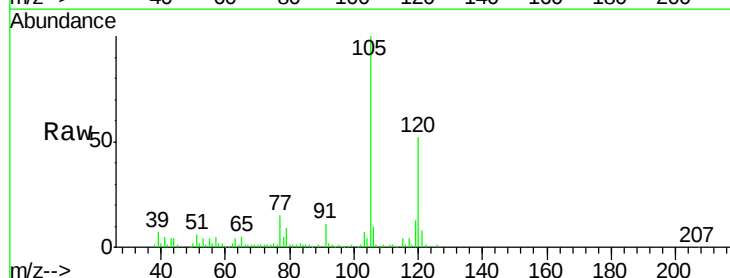
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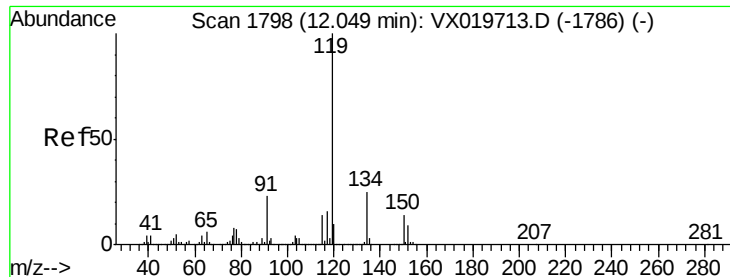
MMDadoda
 12/11/2020 12:45:54 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.857 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019822.D
 Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	22.4	67.3





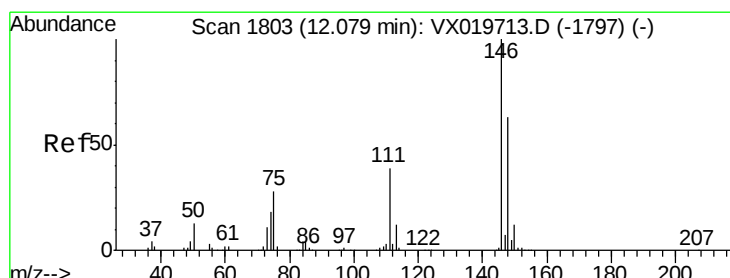
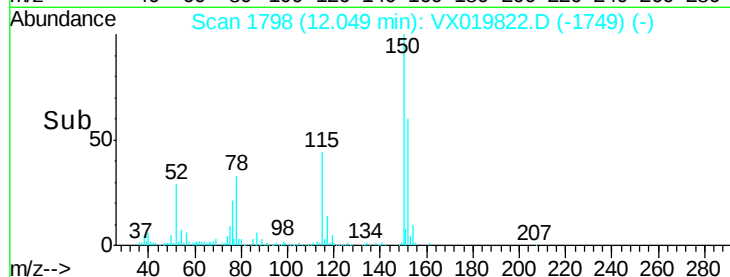
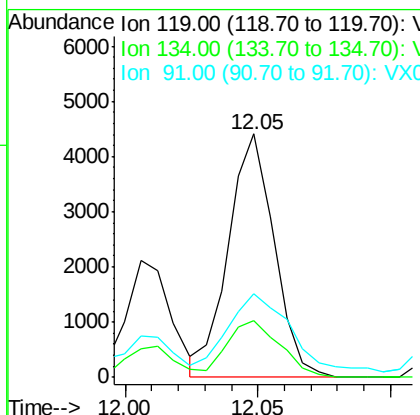
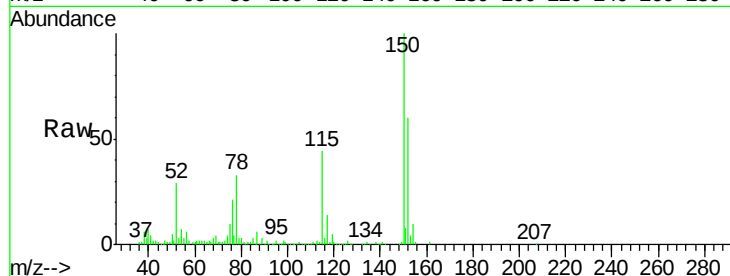
#86
p-Isopropyltoluene
Concen: 0.417 ug/l m
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
119	100	5324		
134	14.4		12.9	38.7
91	15.1		11.7	35.0

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#88
1,4-Dichlorobenzene
Concen: 3.260 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX019822.D
Acq: 10 Dec 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	23008		
111	51.6		19.6	58.8
148	67.9		31.6	95.0

