

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025844.D
 Acq On : 16 Dec 2021 03:59
 Operator : JC/MD
 Sample : M5084-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C7

Quant Time: Dec 16 07:36:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

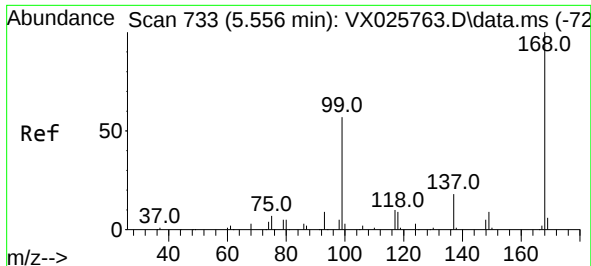
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	147208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97960	46.250	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.500%
35) Dibromofluoromethane	5.391	113	80489	45.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.680%
50) Toluene-d8	8.653	98	293263	45.339	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.680%#
62) 4-Bromofluorobenzene	11.085	95	103956	42.309	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	393	0.229	ug/l #	43
16) Acetone	2.386	43	3871	Below Cal		97
20) Methylene Chloride	2.782	84	72	Below Cal	#	54
36) 1,1-Dichloropropene	5.556	75	11322	4.703	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14964	5.342	ug/l #	15
39) Methylcyclohexane	7.385	83	795	0.295	ug/l #	58
55) 1,1,2-Trichloroethane	9.098	97	676	0.344	ug/l #	15
73) Isopropylbenzene	10.963	105	9872	1.367	ug/l	100
76) 1,2,3-Trichloropropane	11.085	75	52874	23.186	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52874	71.883	ug/l #	10
83) tert-Butylbenzene	11.719	119	4066	0.692	ug/l	88
85) sec-Butylbenzene	11.890	105	10907	1.545	ug/l	81
86) p-Isopropyltoluene	12.176	119	5926	1.000	ug/l	94
89) n-Butylbenzene	12.335	91	1502	0.304	ug/l	99
90) Hexachloroethane	12.646	117	17138	14.711	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.926	75	600	1.061	ug/l #	1
95) Naphthalene	13.786	128	733	2.514	ug/l #	1

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

Quant Time: Dec 16 07:36:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration

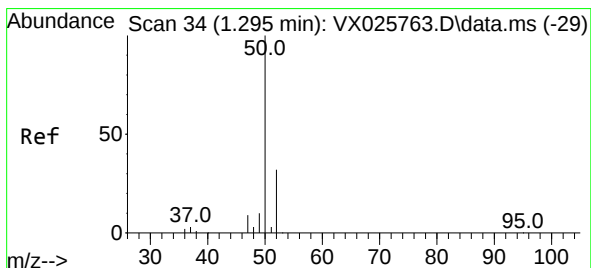
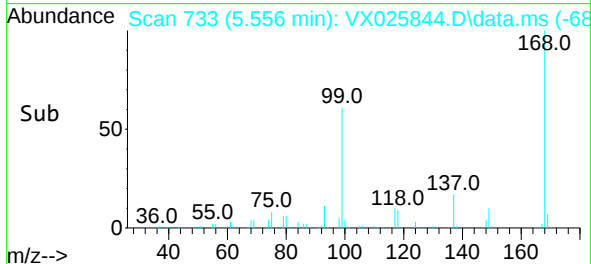
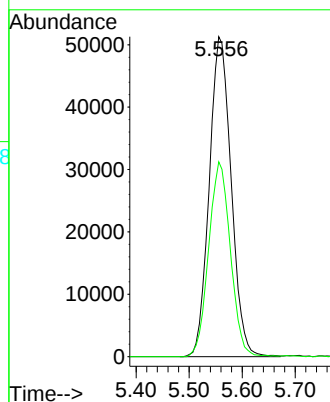
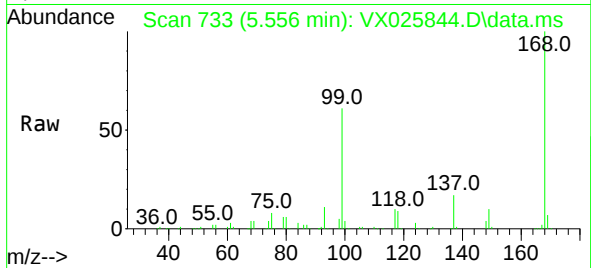




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

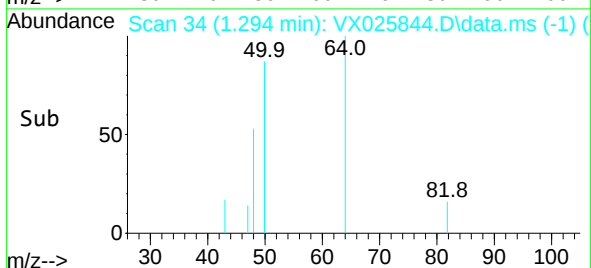
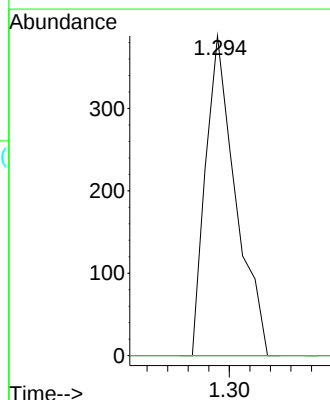
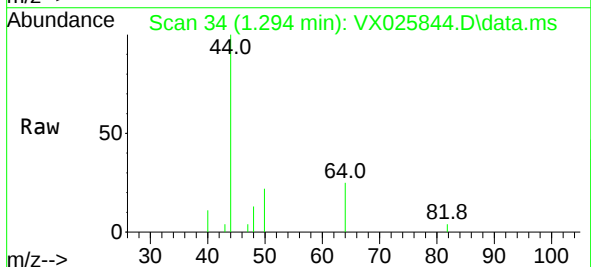
Instrument :
MSVOA_X
ClientSampleId :
C7

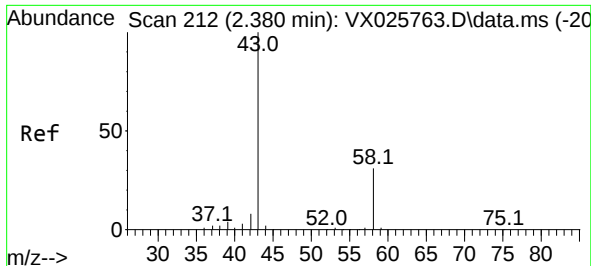
Tgt Ion:168 Resp: 147208
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.8



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

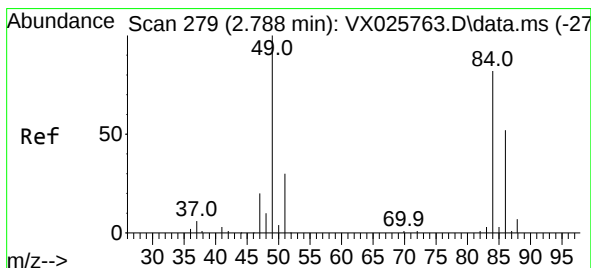
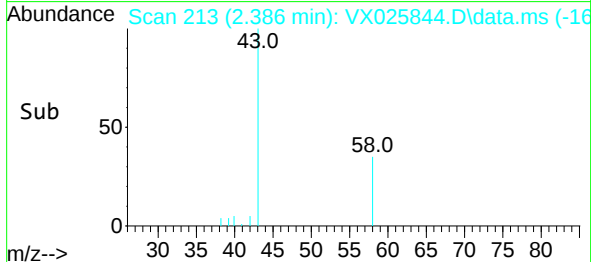
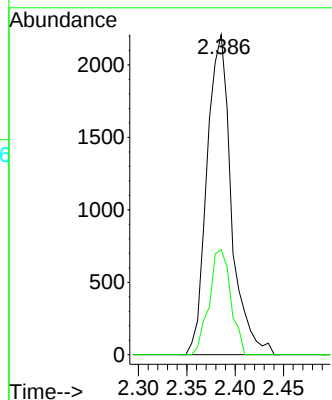
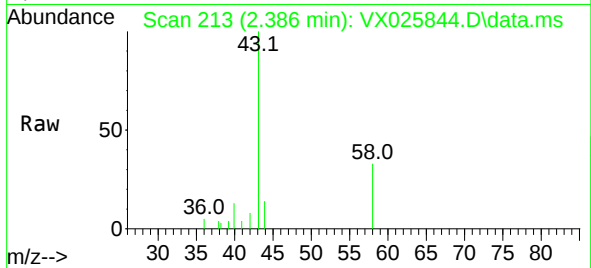




#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

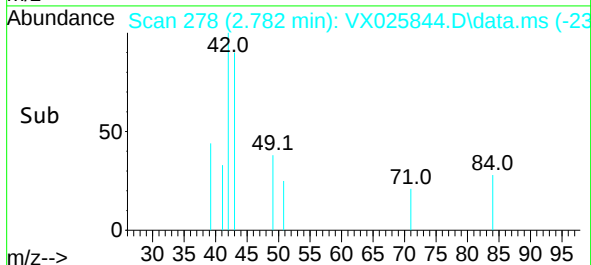
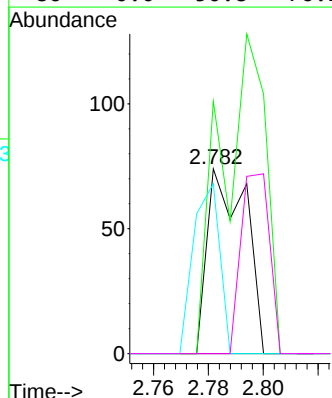
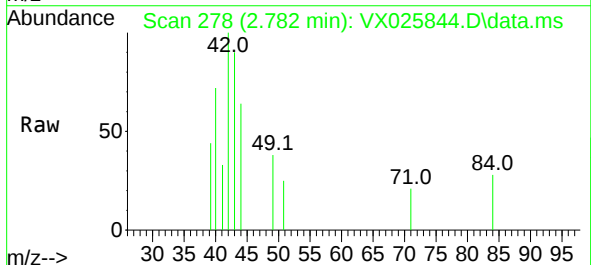
Instrument :
 MSVOA_X
 ClientSampleId :
 C7

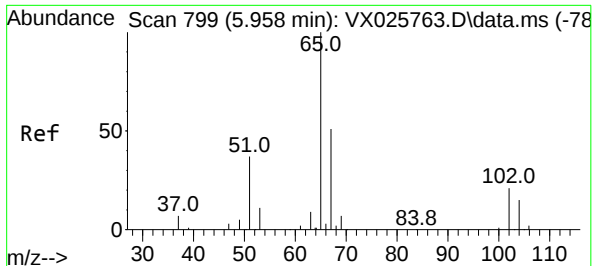
Tgt Ion: 43 Resp: 3871
 Ion Ratio Lower Upper
 43 100
 58 32.8 24.8 37.2



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.782 min Scan# 278
 Delta R.T. -0.006 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

Tgt Ion: 84 Resp: 72
 Ion Ratio Lower Upper
 84 100
 49 136.5 97.1 145.7
 51 91.9 29.3 43.9#
 86 0.0 50.8 76.2#





#33

1,2-Dichloroethane-d4

Concen: 46.250 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025844.D

Acq: 16 Dec 2021 03:59

Instrument :

MSVOA_X

ClientSampleId :

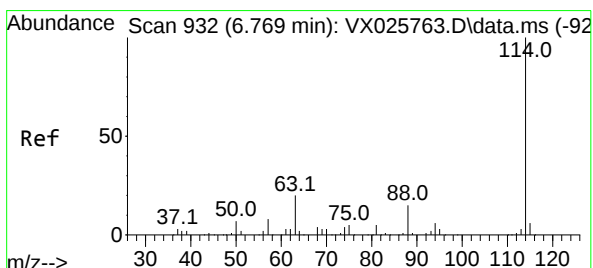
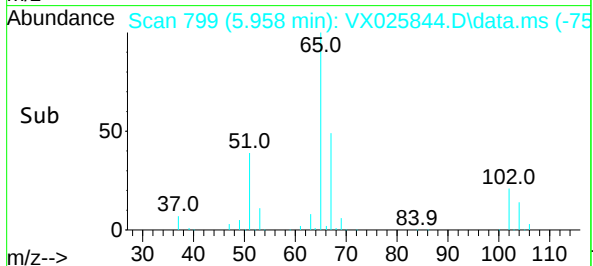
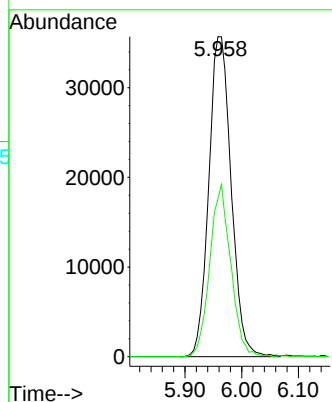
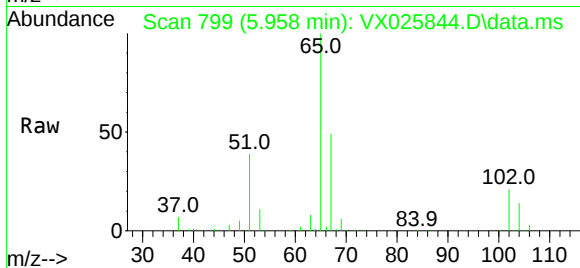
C7

Tgt Ion: 65 Resp: 97960

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX025844.D

Acq: 16 Dec 2021 03:59

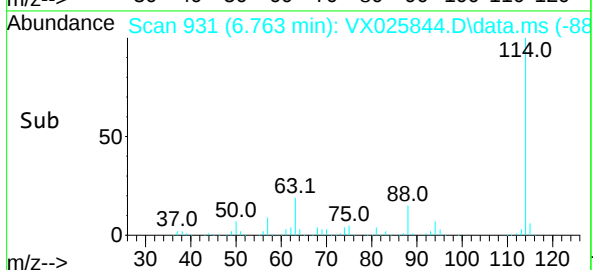
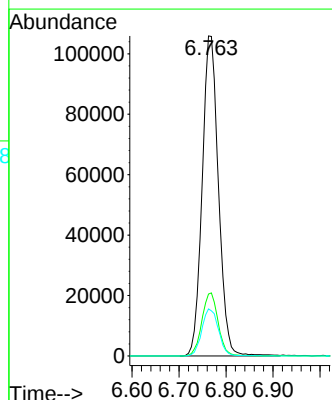
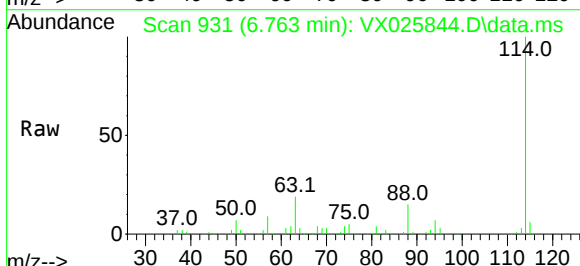
Tgt Ion: 114 Resp: 254554

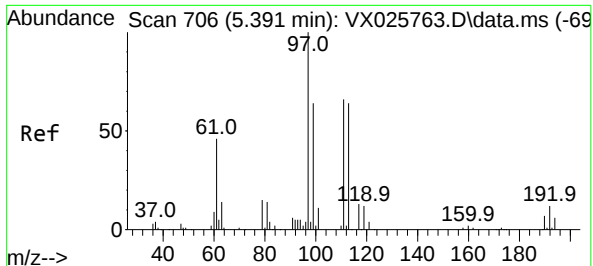
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 14.7 0.0 30.6

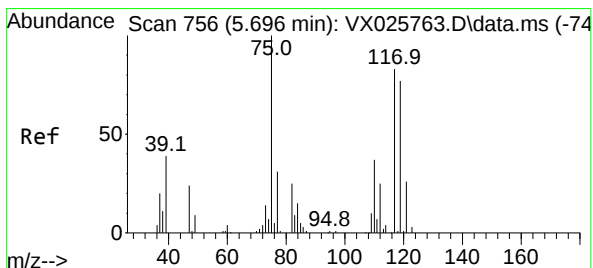
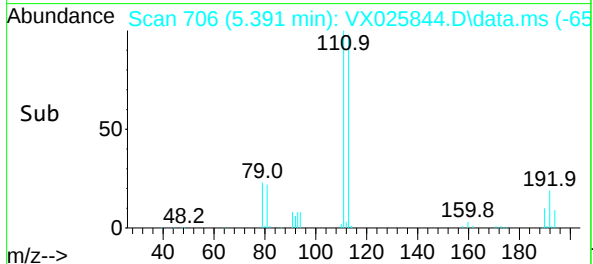
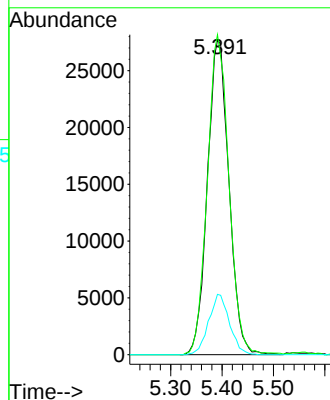
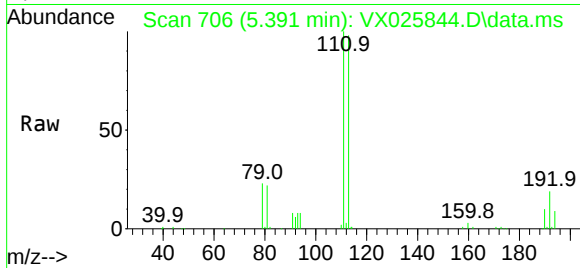




#35
Dibromofluoromethane
Concen: 45.339 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

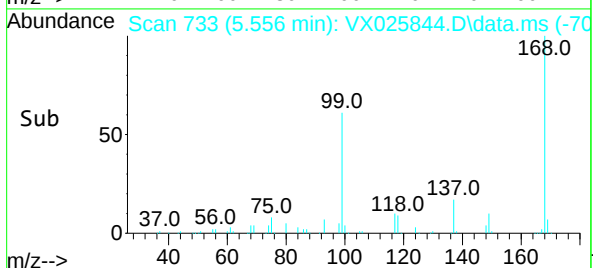
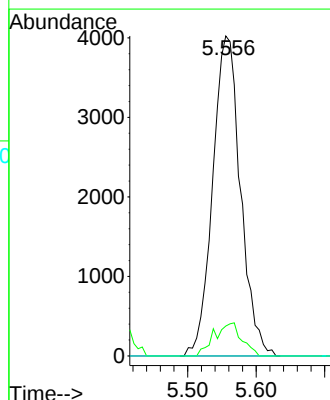
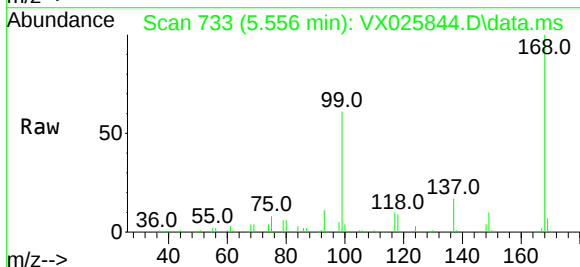
Instrument :
MSVOA_X
ClientSampleId :
C7

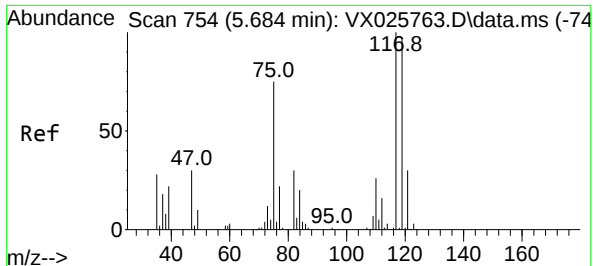
Tgt Ion:113 Resp: 80489
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 18.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.703 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

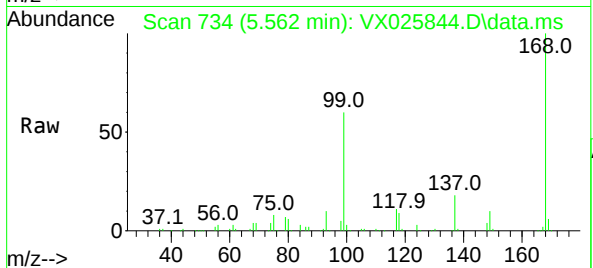
Tgt Ion: 75 Resp: 11322
Ion Ratio Lower Upper
75 100
110 10.2 18.2 54.6#
77 0.0 24.7 37.1#



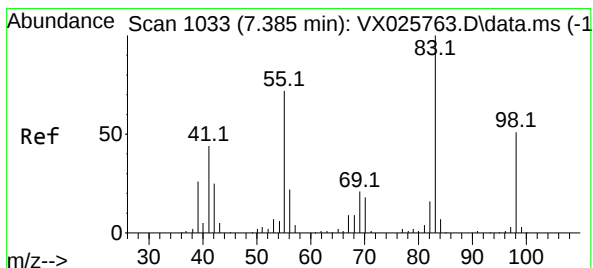
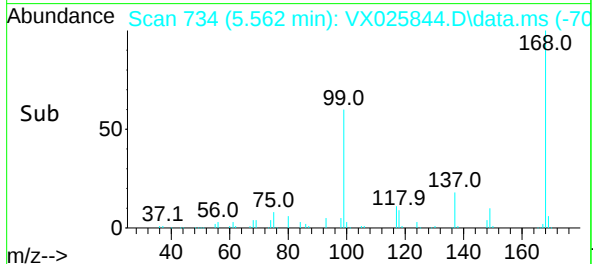
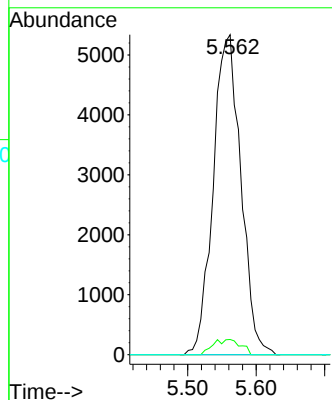


#38
Carbon Tetrachloride
Concen: 5.342 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Instrument :
MSVOA_X
ClientSampleId :
C7

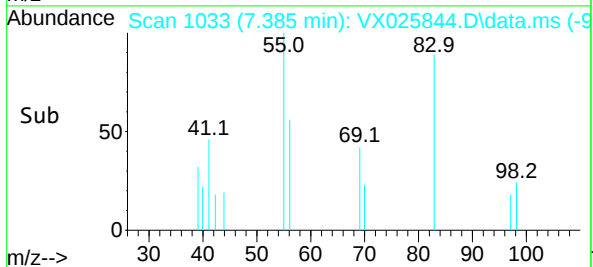
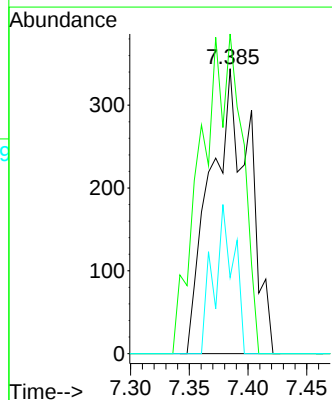
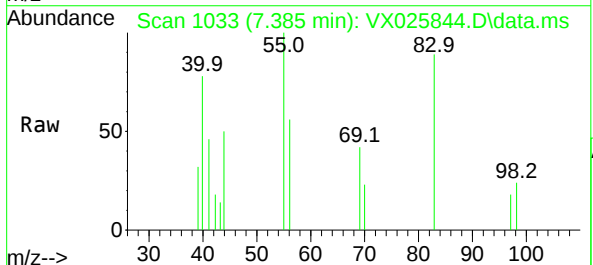


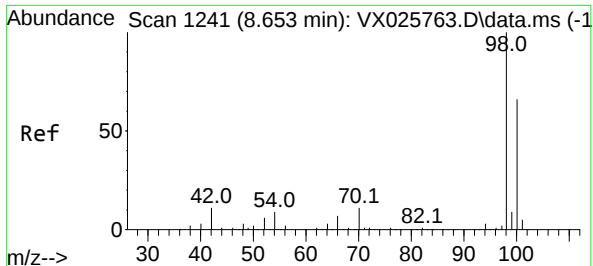
Tgt Ion:117 Resp: 14964
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.295 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 83 Resp: 795
Ion Ratio Lower Upper
83 100
55 112.2 57.8 86.8#
98 26.7 40.5 60.7#

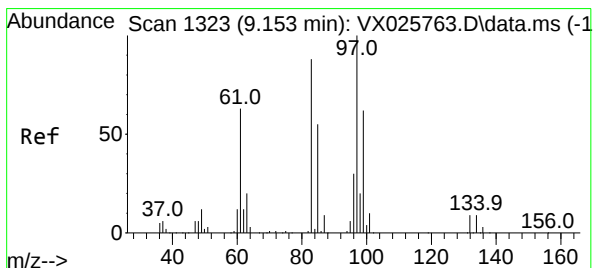
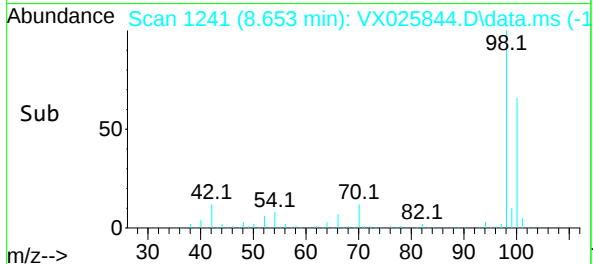
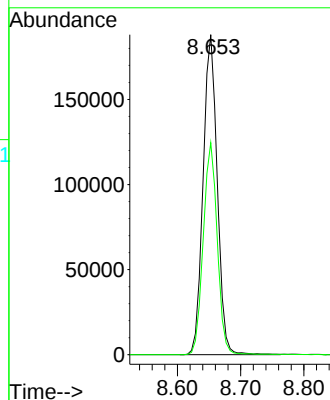
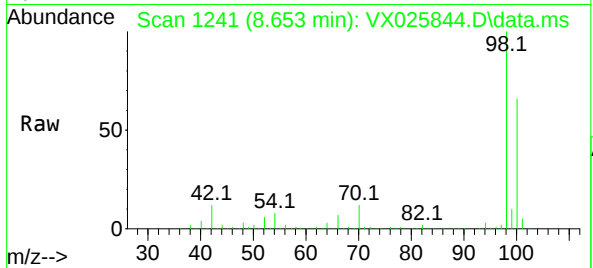




#50
Toluene-d8
Concen: 45.339 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

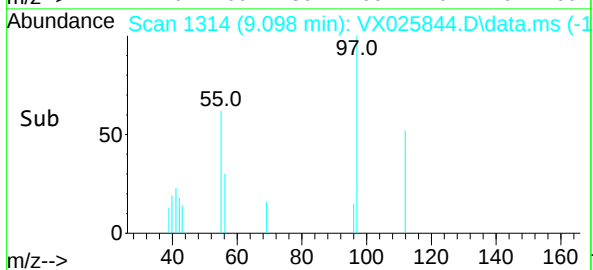
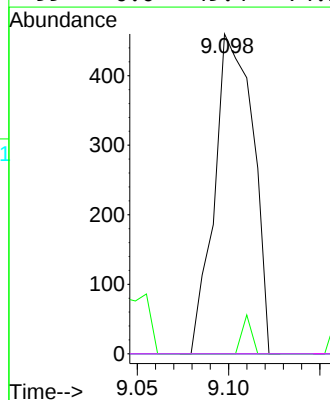
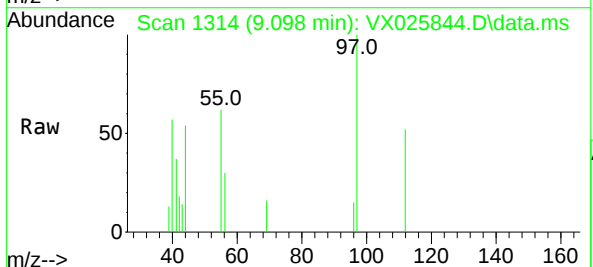
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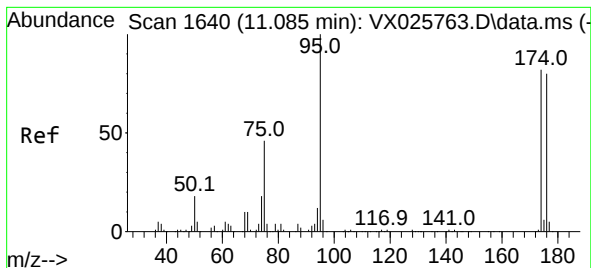
Tgt Ion: 98 Resp: 293263
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.344 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 97 Resp: 676
Ion Ratio Lower Upper
97 100
83 0.0 70.5 105.7#
85 0.0 43.8 65.6#
99 0.0 49.4 74.2#

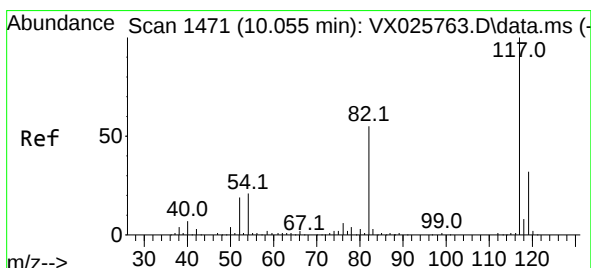
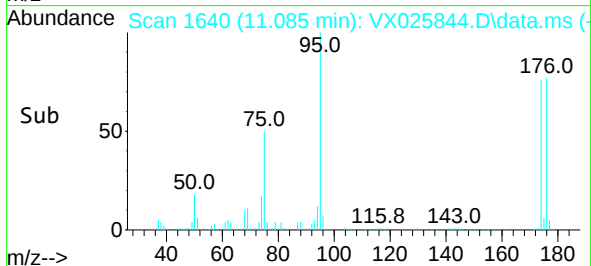
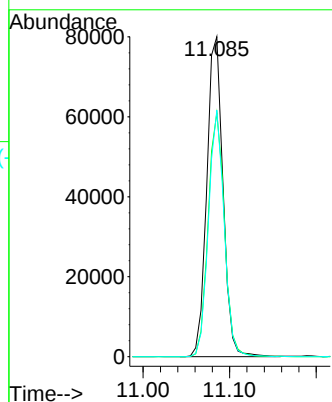
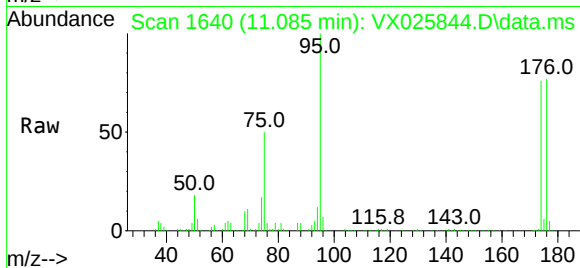




#62
4-Bromofluorobenzene
Concen: 42.309 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

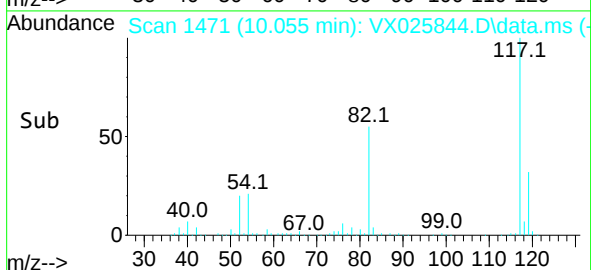
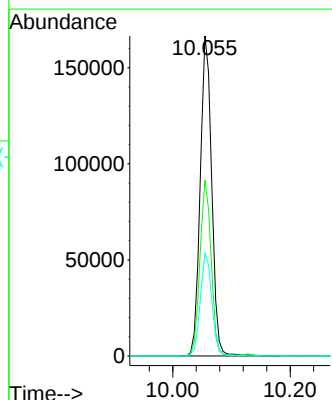
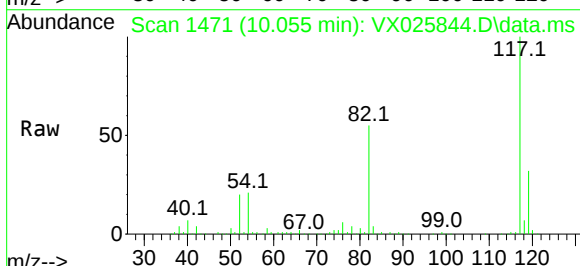
Instrument :
MSVOA_X
ClientSampleId :
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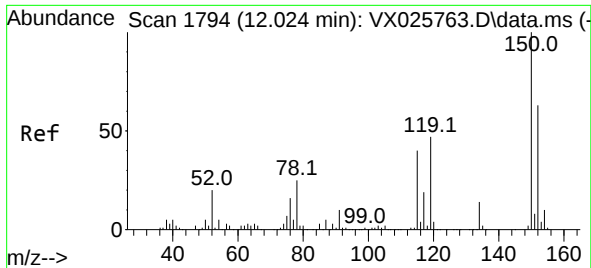
Tgt Ion: 95 Resp: 103956
Ion Ratio Lower Upper
95 100
174 76.5 0.0 157.4
176 74.5 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 117 Resp: 226019
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.6
119 32.0 25.2 37.8

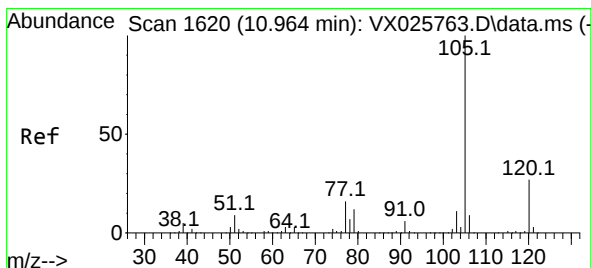
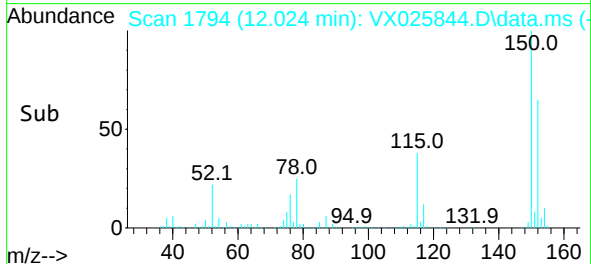
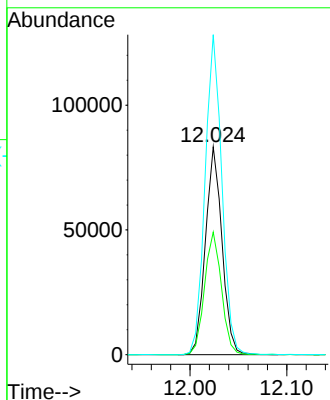
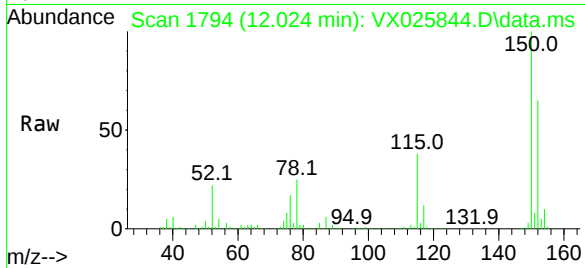




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

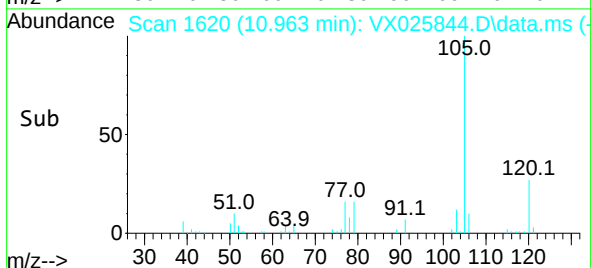
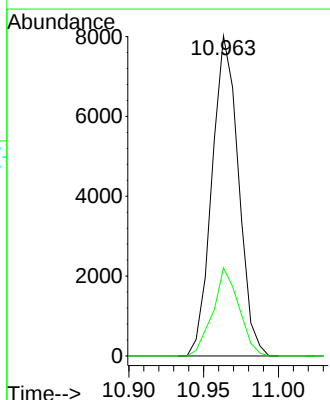
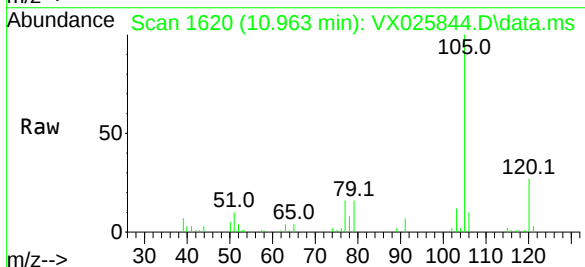
Instrument :
 MSVOA_X
 ClientSampleId :
 C7

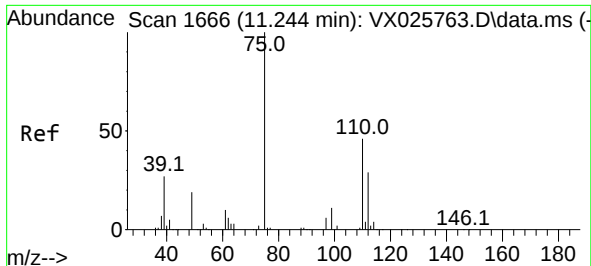
Tgt Ion:152 Resp: 99531
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.3 123.9
 150 155.8 0.0 351.8



#73
 Isopropylbenzene
 Concen: 1.367 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. -0.000 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

Tgt Ion:105 Resp: 9872
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.6 40.7

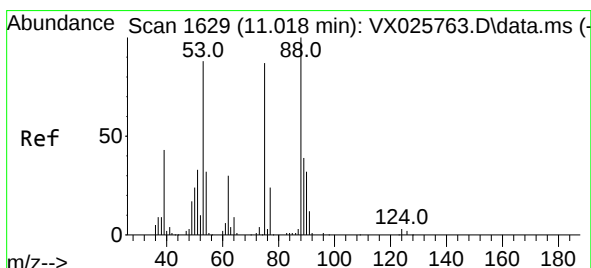
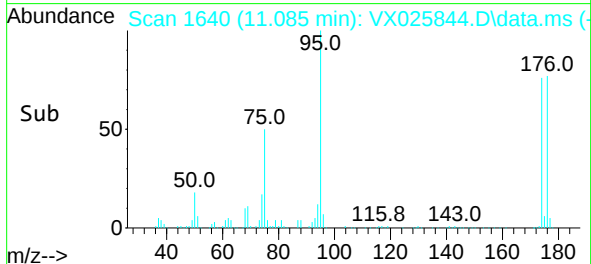
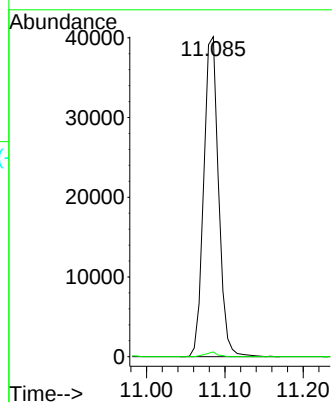
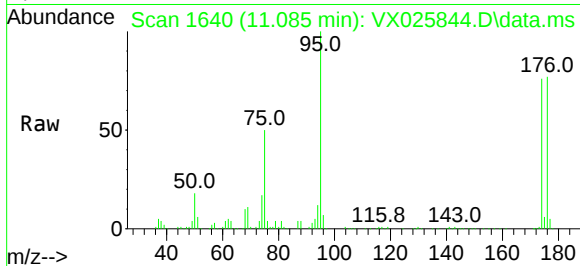




#76
1,2,3-Trichloropropane
Concen: 23.186 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

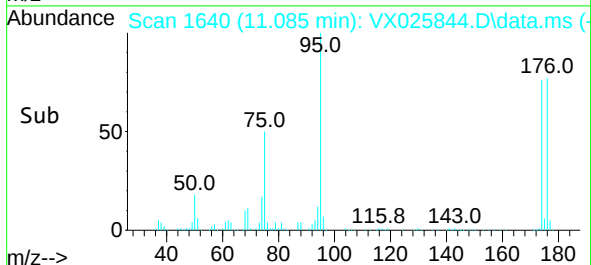
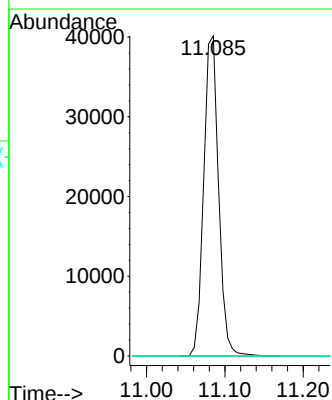
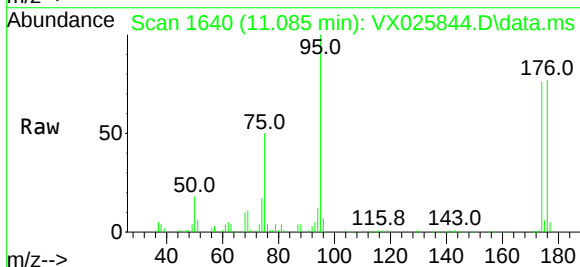
Instrument :
MSVOA_X
ClientSampleId :
C7

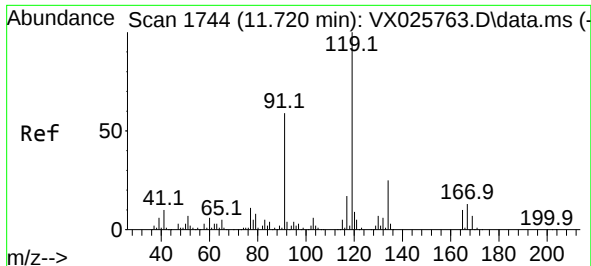
Tgt Ion: 75 Resp: 52874
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.883 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 75 Resp: 52874
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

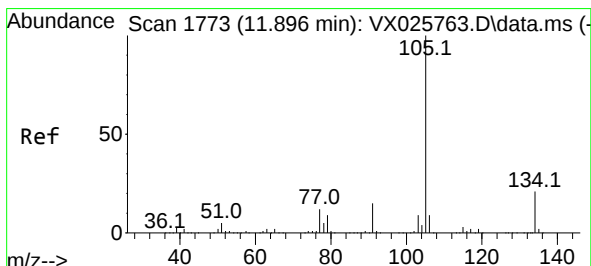
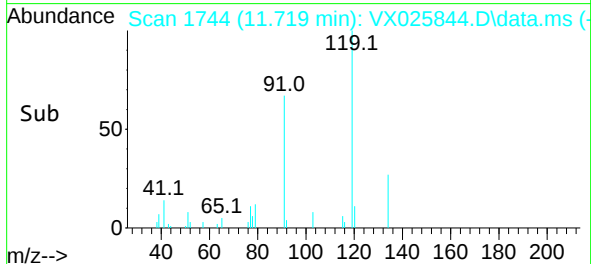
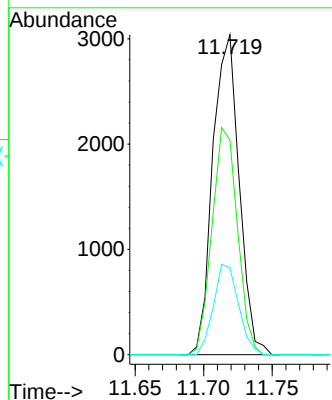
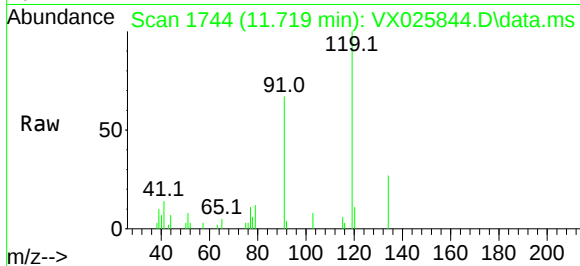




#83
tert-Butylbenzene
Concen: 0.692 ug/l
RT: 11.719 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

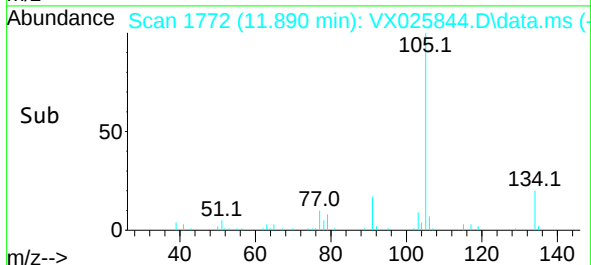
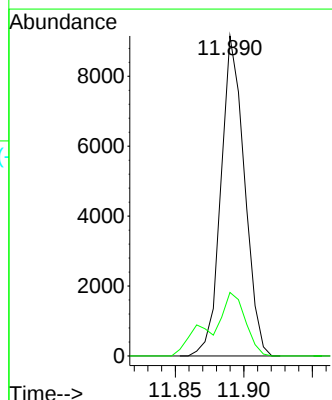
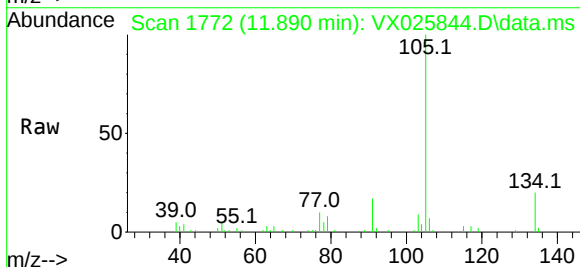
Instrument :
MSVOA_X
ClientSampleId :
C7

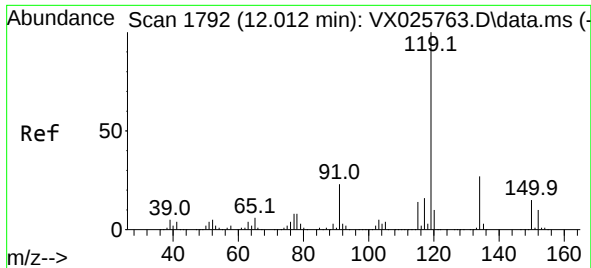
Tgt Ion:119	Resp:	4066
Ion	Ratio	Lower Upper
119	100	
91	68.6	28.7 86.1
134	26.9	11.9 35.9



#85
sec-Butylbenzene
Concen: 1.545 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion:105	Resp:	10907
Ion	Ratio	Lower Upper
105	100	
134	29.5	10.4 31.1

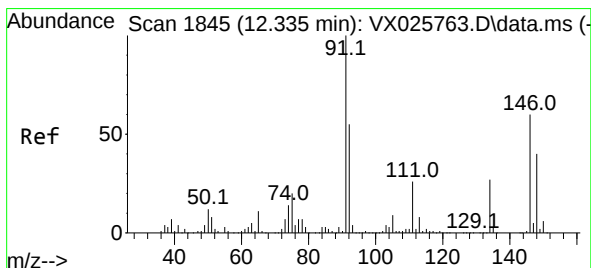
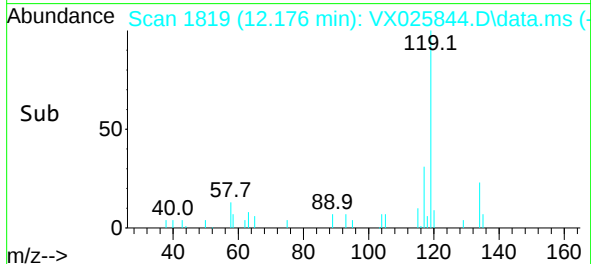
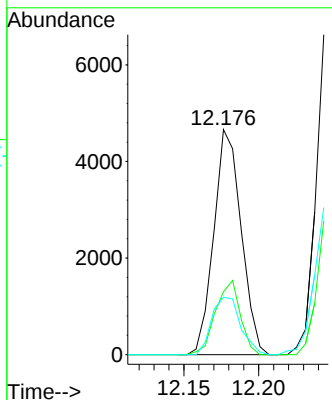
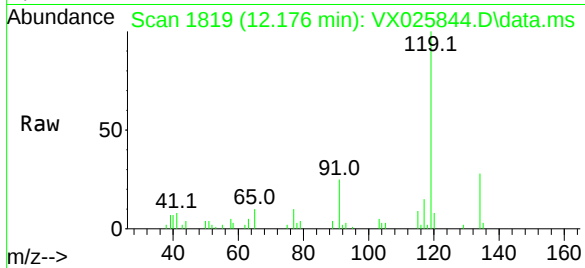




#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 12.176 min Scan# 119
Delta R.T. 0.164 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

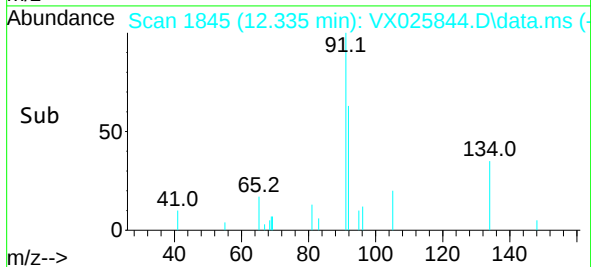
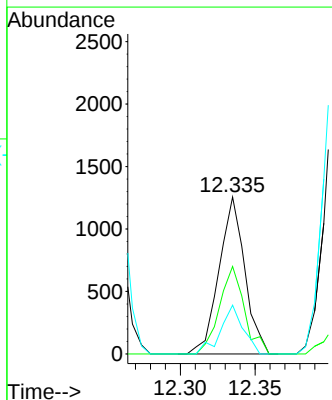
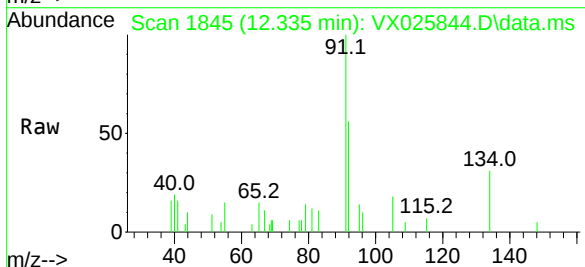
Instrument :
MSVOA_X
ClientSampleId :
C7

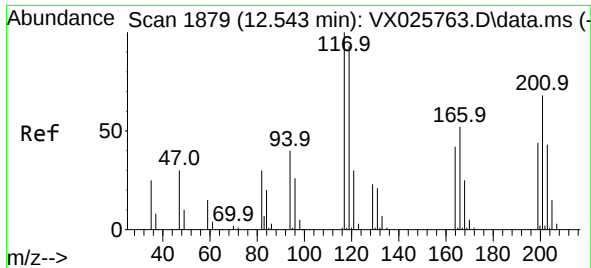
Tgt Ion:119	Resp:	5926
Ion	Ratio	Lower Upper
119	100	
134	29.6	13.2 39.6
91	26.9	11.9 35.9



#89
n-Butylbenzene
Concen: 0.304 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX025844.D
Acq: 16 Dec 2021 03:59

Tgt Ion: 91	Resp:	1502
Ion	Ratio	Lower Upper
91	100	
92	54.1	27.3 81.8
134	27.2	13.5 40.4

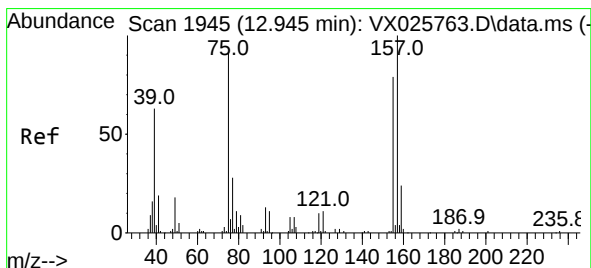
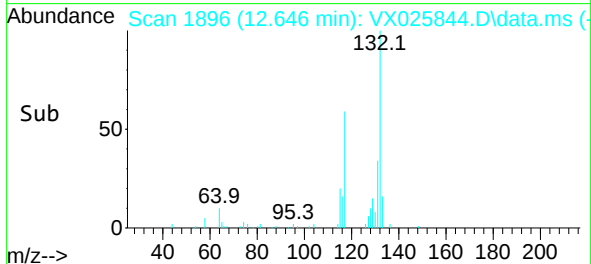
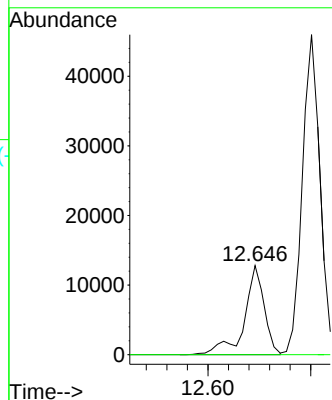
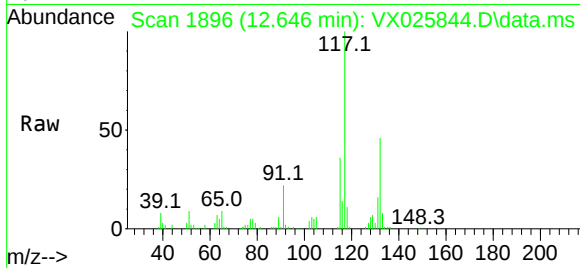




#90
 Hexachloroethane
 Concen: 14.711 ug/l
 RT: 12.646 min Scan# 117
 Delta R.T. 0.103 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

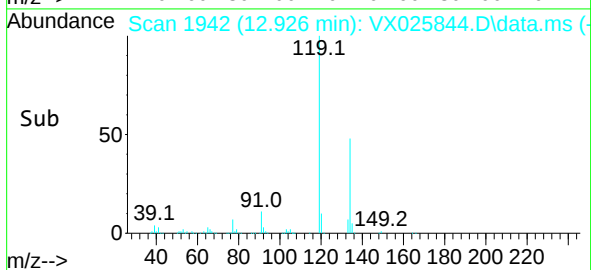
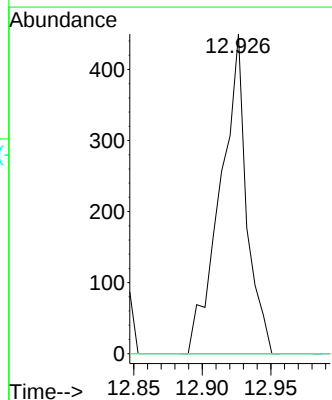
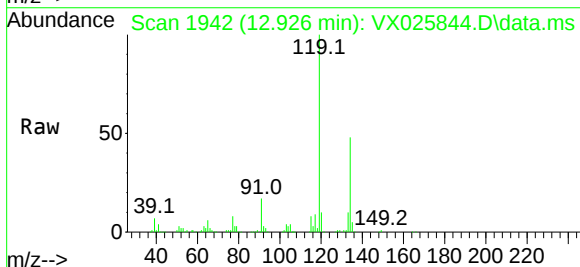
Instrument : MSVOA_X
 ClientSampleId : C7

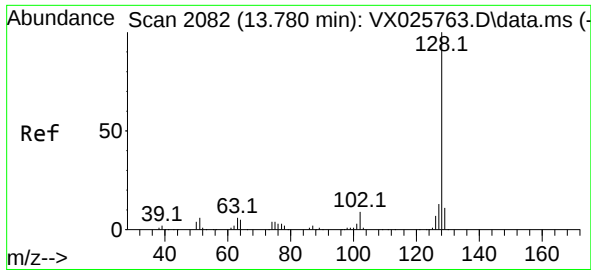
Tgt Ion:117 Resp: 17138
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.4 106.3#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.061 ug/l
 RT: 12.926 min Scan# 1942
 Delta R.T. -0.019 min
 Lab File: VX025844.D
 Acq: 16 Dec 2021 03:59

Tgt Ion: 75 Resp: 600
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.0 131.8#
 157 0.0 55.5 166.5#





#95

Naphthalene

Concen: 2.514 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX025844.D

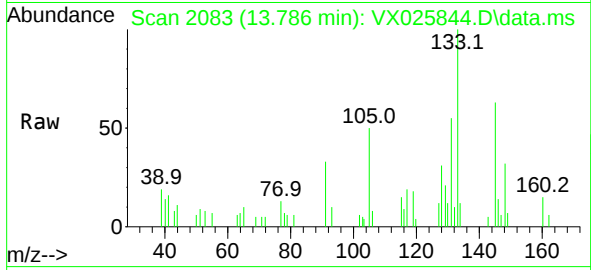
Acq: 16 Dec 2021 03:59

Instrument :

MSVOA_X

ClientSampleId :

C7



Tgt Ion:128 Resp: 733

Ion Ratio Lower Upper

128 100

127 18.8 10.3 15.5#

129 99.5 8.8 13.2#

