

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021914.D
 Acq On : 11 May 2021 21:24
 Operator : JC/MD
 Sample : M2336-04DL 10X
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 12 06:27:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 12 06:12:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	81780	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	71201	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	33679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	26789	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.672	69	22849	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.306	63	34776	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.465	46	79197	49.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.98%
24) Chloroform-d	5.062	84	50566	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.964	65	27751	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.983	84	104623	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	7.312	67	33224	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	8.653	98	90846	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloroprop...	8.952	79	13272	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	9.384	63	67133	48.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.66%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	25886	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
66) 1,2-Dichlorobenzene-d4	12.323	152	31122	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.374	62	1216	0.15	ug/L #	33
16) Methylene chloride	2.794	84	3469	0.43	ug/L	84
19) 1,1-Dichloroethane	3.617	63	2706	0.25	ug/L #	74
22) cis-1,2-Dichloroethene	4.489	96	3359	0.49	ug/L	98
25) Chloroform	5.086	83	1156	0.10	ug/L	89
30) Cyclohexane	5.471	56	3916	0.37	ug/L	89
33) Benzene	6.044	78	22207	0.90	ug/L	100
34) Trichloroethene	7.123	95	800	0.12	ug/L #	62
35) Methylcyclohexane	7.385	83	2702	0.25	ug/L #	84
37) 1,2-Dichloropropane	7.318	63	3454	0.58	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	1146	0.12	ug/L #	60
42) Toluene	8.720	91	24591	0.94	ug/L	99
44) trans-1,3-Dichloropropene	8.958	75	779	0.10	ug/L #	76
45) 1,1,2-Trichloroethane	9.104	97	785	0.19	ug/L #	18
51) Chlorobenzene	10.079	112	14245	0.88	ug/L	94
52) Ethylbenzene	10.195	91	76866	2.63	ug/L	100
53) m,p-xylene	10.305	106	125202	11.16	ug/L	98
54) o-xylene	10.646	106	84661	7.81	ug/L	93
55) Styrene	10.646	104	4978	0.27	ug/L #	1

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

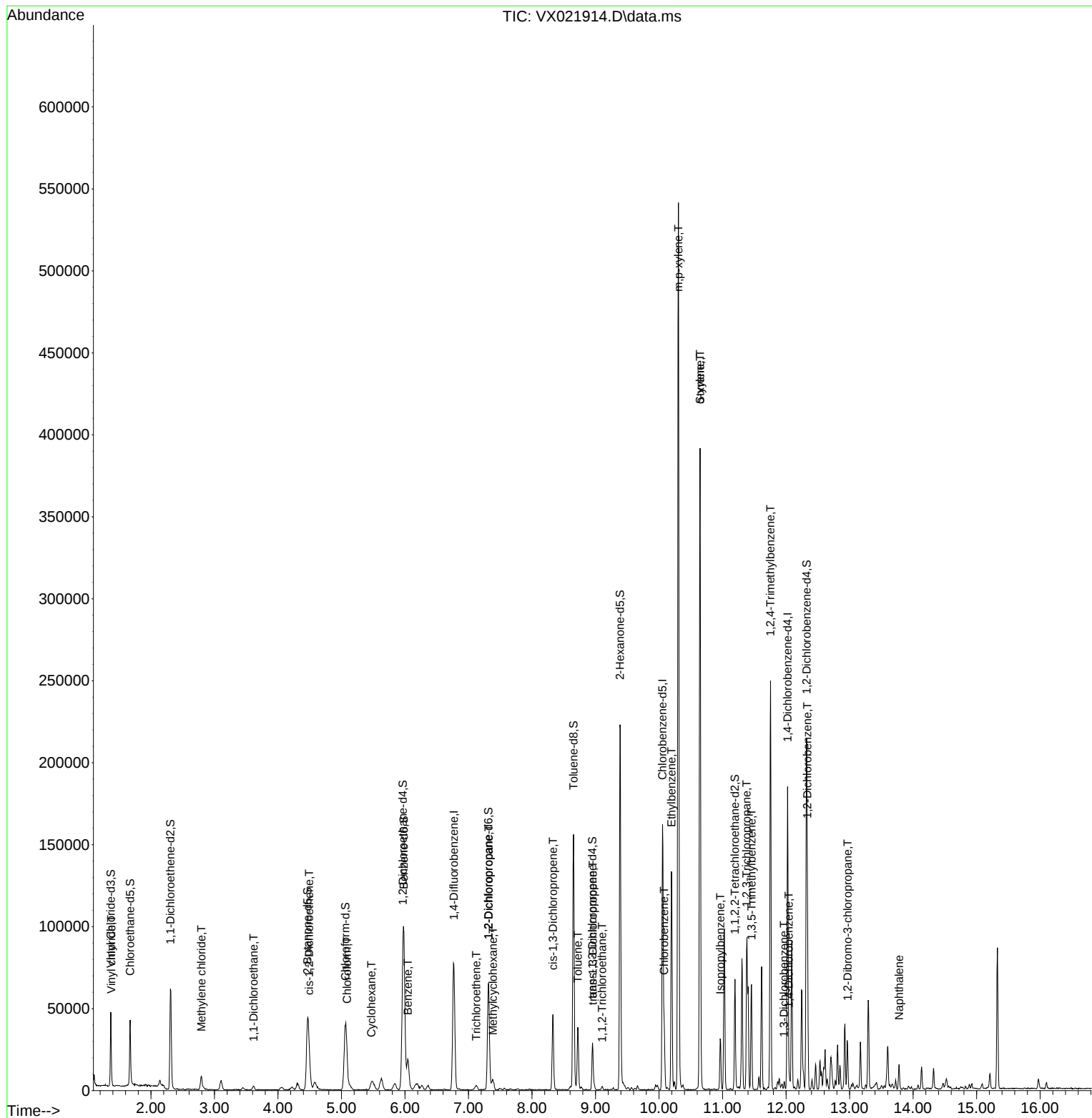
60) Isopropylbenzene	10.963	105	16731	0.58	ug/L	98
61) 1,2,3-Trichloropropane	11.378	75	552	0.16	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.457	105	28549	1.19	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	105621	4.25	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	774	0.07	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	1947	0.17	ug/L	91
67) 1,2-Dichlorobenzene	12.335	146	23563	2.18	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.969	75	108	0.13	ug/L #	9
71) Naphthalene	13.780	128	8552	0.56	ug/L	99

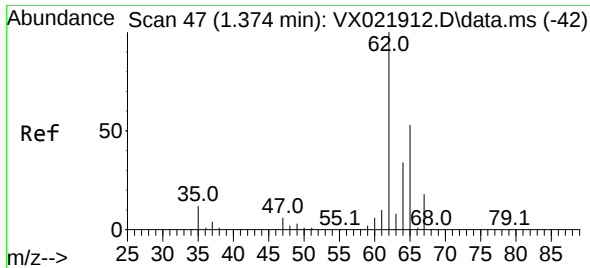
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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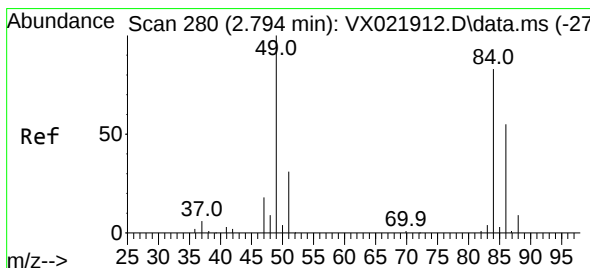
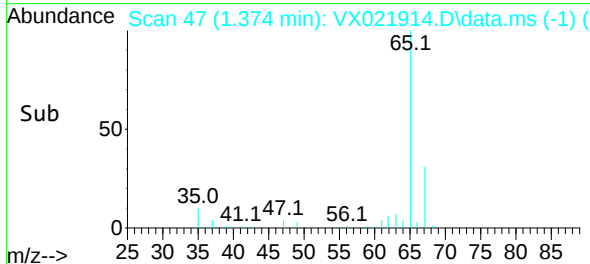
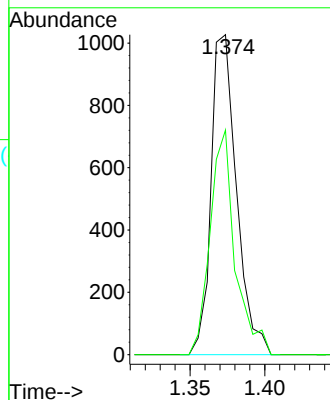
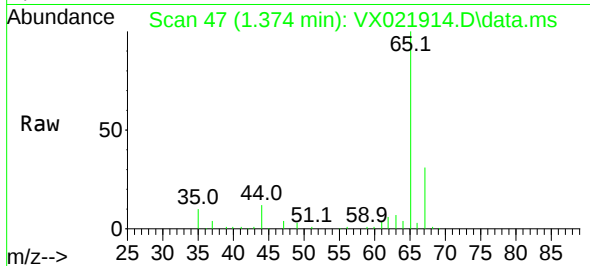




#5
 Vinyl chloride
 Concen: 0.15 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX021914.D
 Acq: 11 May 2021 21:24

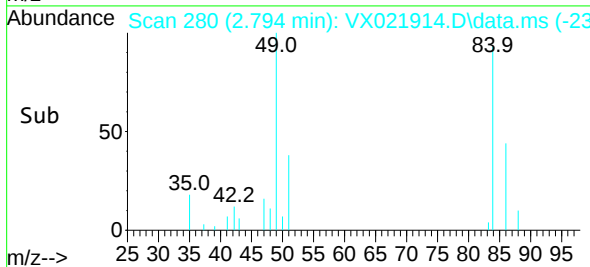
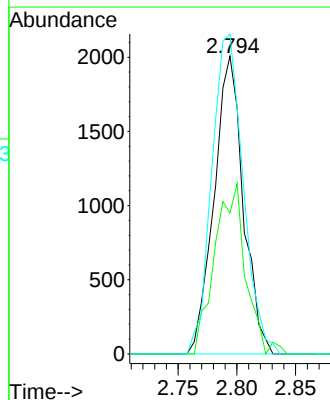
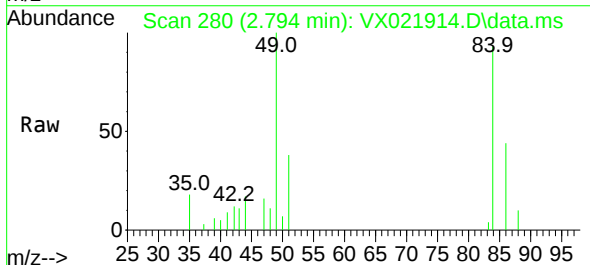
Instrument :
 MSVOA_X
 ClientSampled :

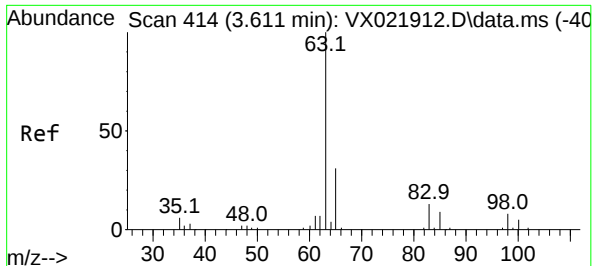
Tgt Ion: 62 Resp: 1216
 Ion Ratio Lower Upper
 62 100
 64 70.2 22.7 42.1#



#16
 Methylene chloride
 Concen: 0.43 ug/L
 RT: 2.794 min Scan# 280
 Delta R.T. -0.000 min
 Lab File: VX021914.D
 Acq: 11 May 2021 21:24

Tgt Ion: 84 Resp: 3469
 Ion Ratio Lower Upper
 84 100
 86 47.3 46.3 86.1
 49 107.5 84.4 156.7





#19

1,1-Dichloroethane

Concen: 0.25 ug/L

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX021914.D

Acq: 11 May 2021 21:24

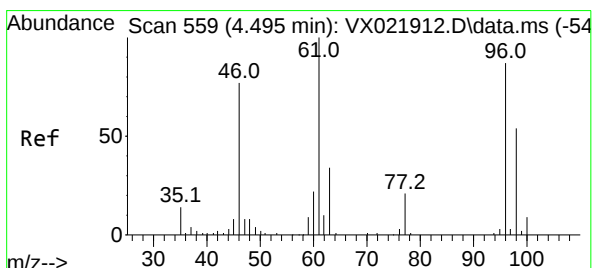
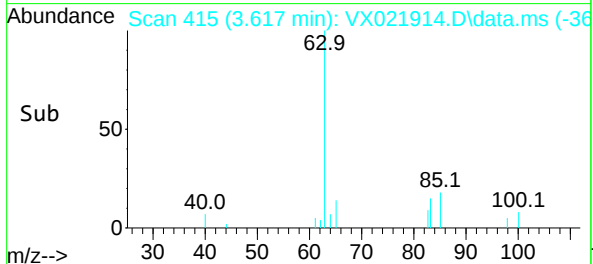
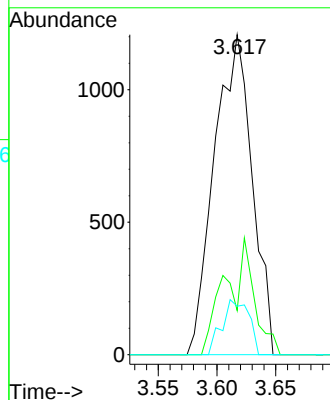
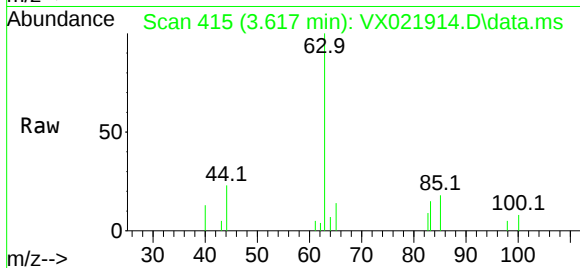
Tgt Ion: 63 Resp: 2706

Ion Ratio Lower Upper

63 100

65 13.8 22.5 41.9#

83 15.1 8.7 16.1



#22

cis-1,2-Dichloroethene

Concen: 0.49 ug/L

RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX021914.D

Acq: 11 May 2021 21:24

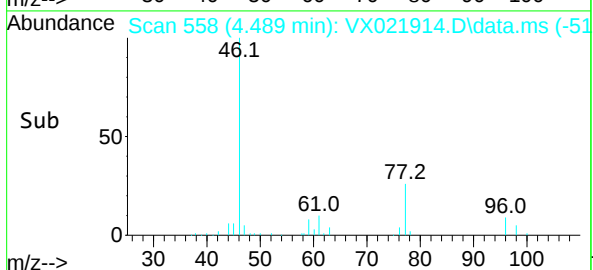
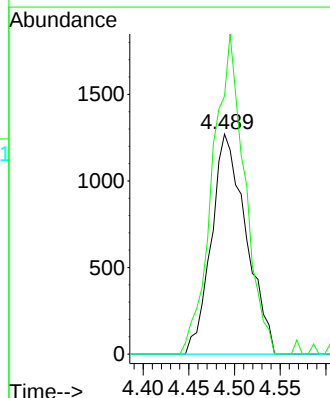
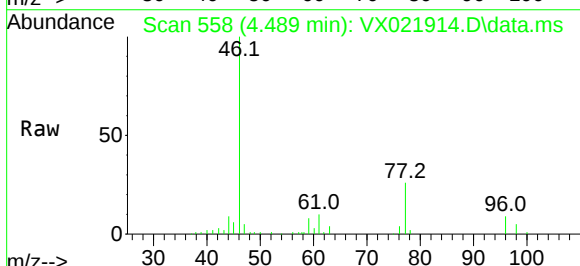
Tgt Ion: 96 Resp: 3359

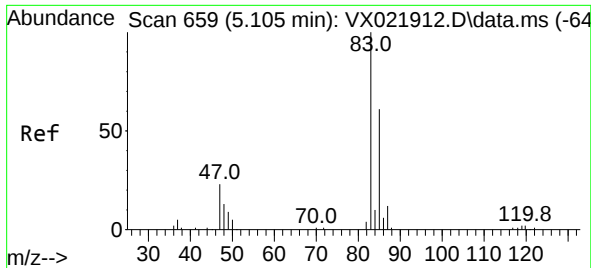
Ion Ratio Lower Upper

96 100

61 117.3 80.9 150.3

68 0.0 0.0 0.0

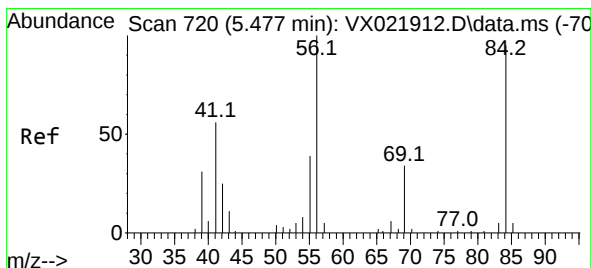
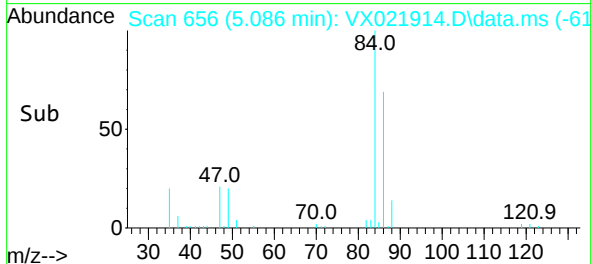
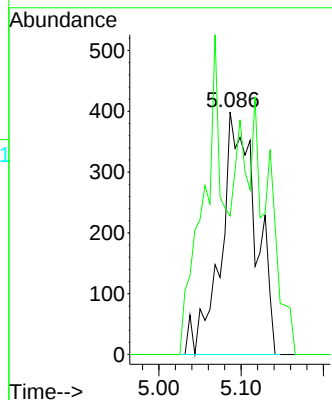
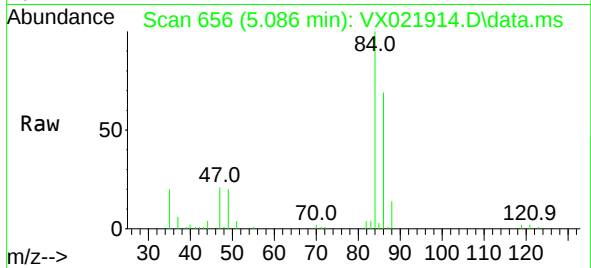




#25
Chloroform
Concen: 0.10 ug/L
RT: 5.086 min Scan# 656
Delta R.T. -0.018 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

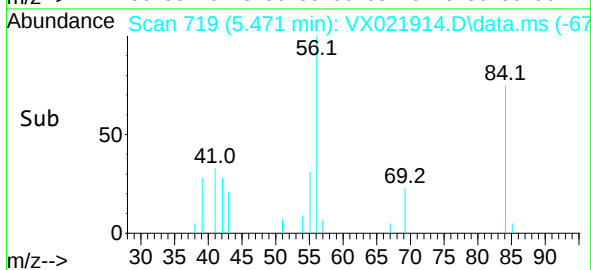
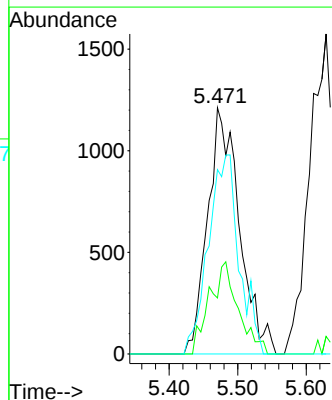
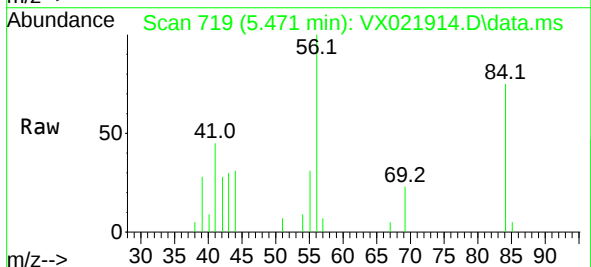
Instrument :
MSVOA_X
ClientSampleId :

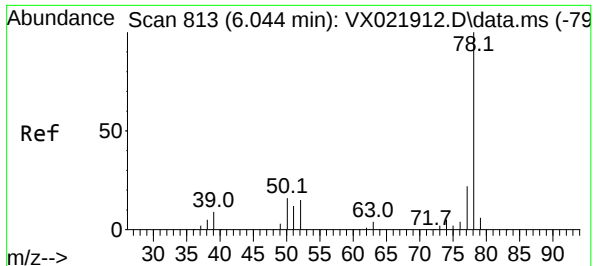
Tgt Ion: 83 Resp: 1156
Ion Ratio Lower Upper
83 100
85 57.1 46.3 86.1



#30
Cyclohexane
Concen: 0.37 ug/L
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion: 56 Resp: 3916
Ion Ratio Lower Upper
56 100
69 33.8 26.6 39.8
84 78.1 73.3 109.9

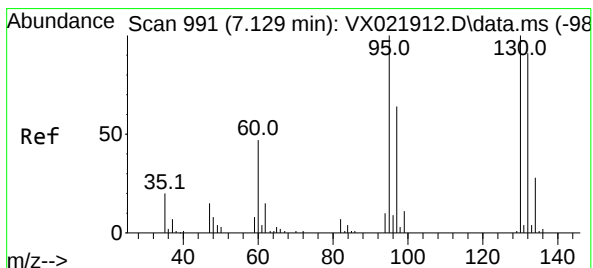
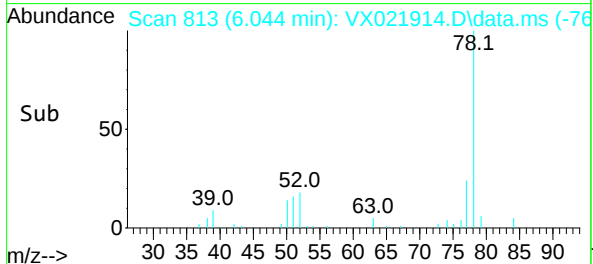
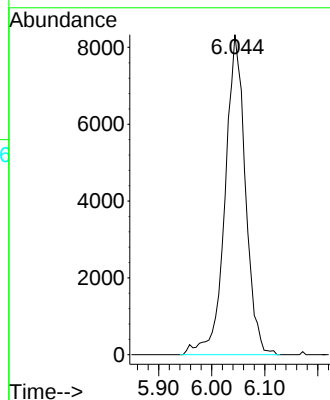
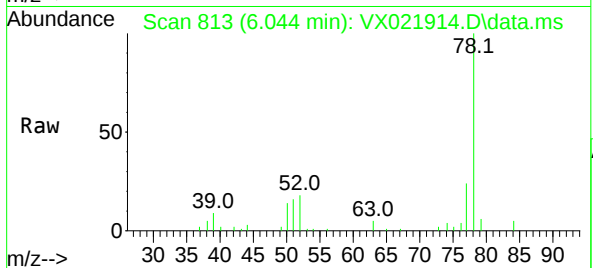




#33
Benzene
Concen: 0.90 ug/L
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Instrument :
MSVOA_X
ClientSampled :

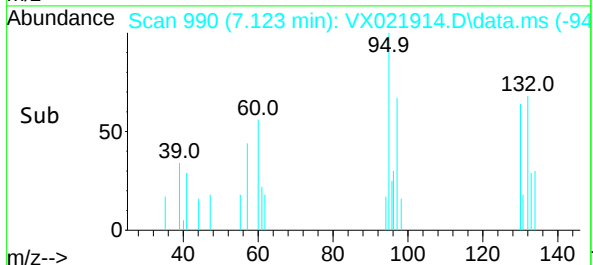
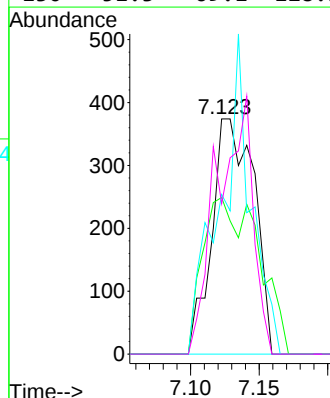
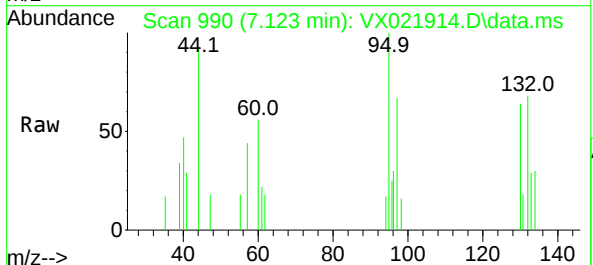
Tgt Ion: 78 Resp: 22207

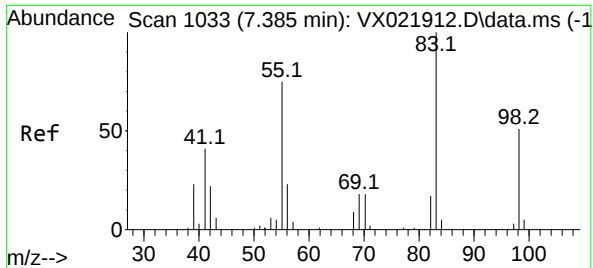


#34
Trichloroethene
Concen: 0.12 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion: 95 Resp: 800

Ion	Ratio	Lower	Upper
95	100		
97	53.4	48.6	90.2
132	54.5	67.3	125.1#
130	51.3	69.1	128.3#





#35

Methylcyclohexane

Concen: 0.25 ug/L

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX021914.D

Acq: 11 May 2021 21:24

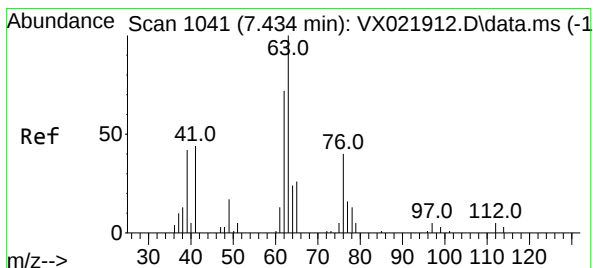
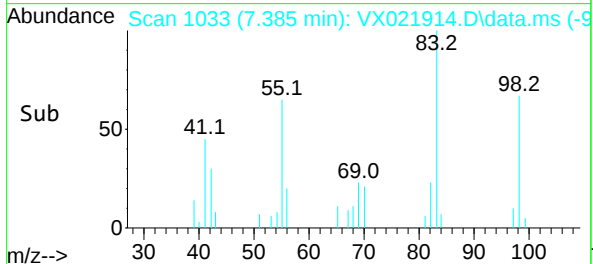
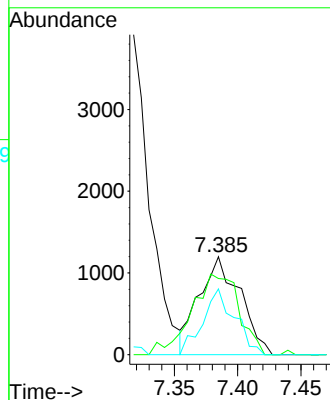
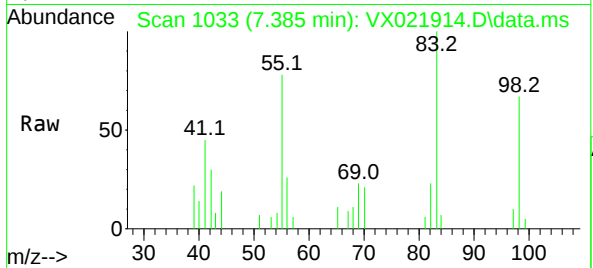
Tgt Ion: 83 Resp: 2702

Ion Ratio Lower Upper

83 100

55 95.2 60.3 90.5#

98 52.5 39.4 59.2



#37

1,2-Dichloropropane

Concen: 0.58 ug/L

RT: 7.318 min Scan# 1022

Delta R.T. -0.116 min

Lab File: VX021914.D

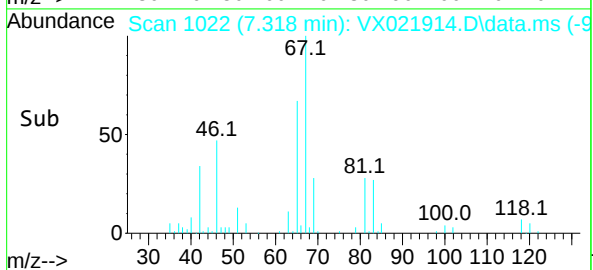
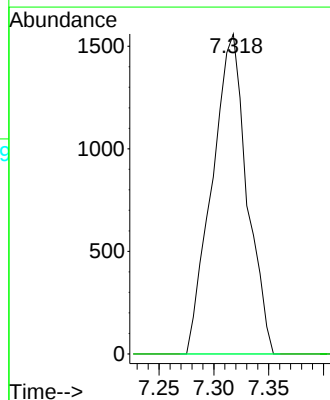
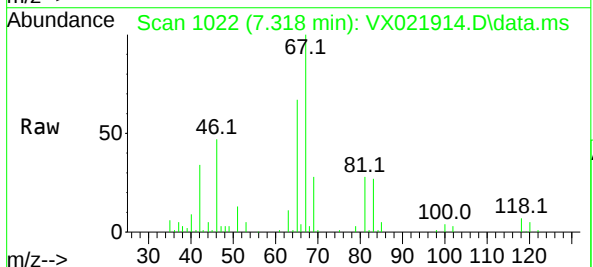
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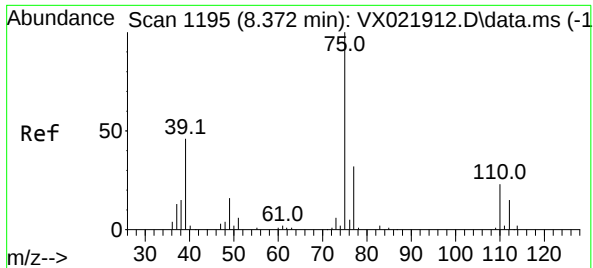
Tgt Ion: 63 Resp: 3454

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#

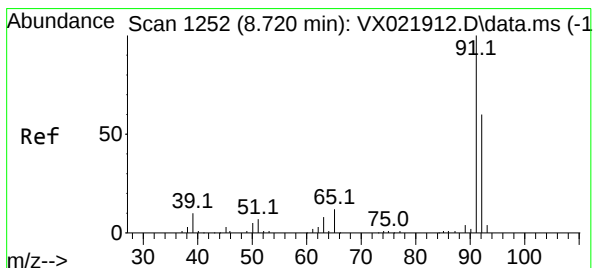
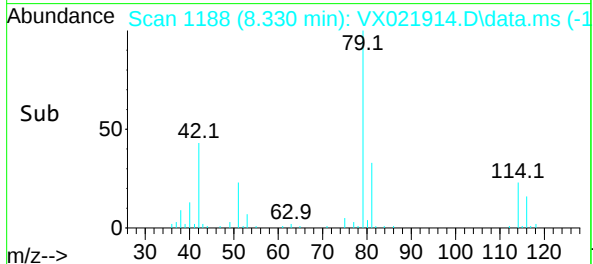
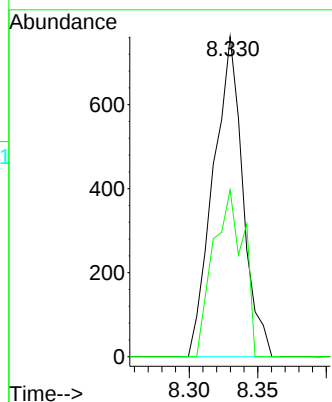
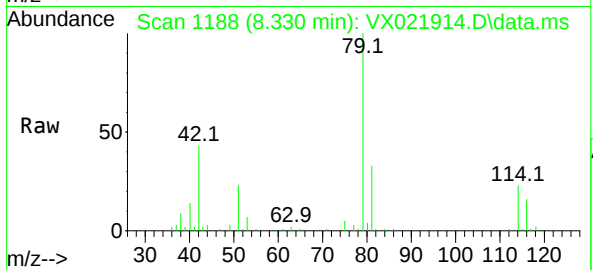




#39
 cis-1,3-Dichloropropene
 Concen: 0.12 ug/L
 RT: 8.330 min Scan# 1188
 Delta R.T. -0.043 min
 Lab File: VX021914.D
 Acq: 11 May 2021 21:24

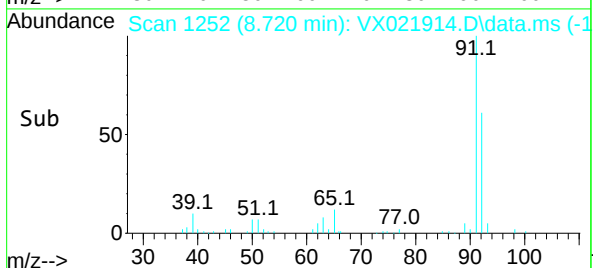
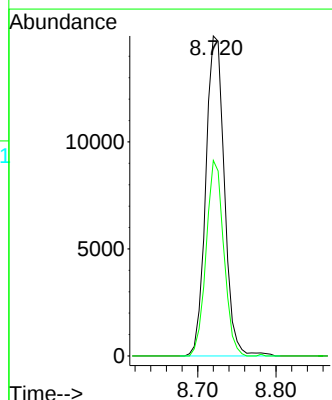
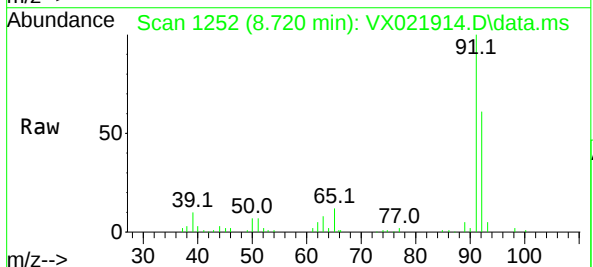
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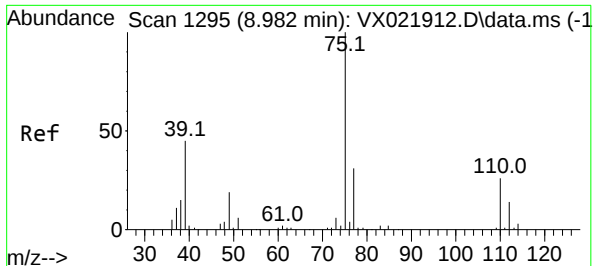
Tgt Ion: 75 Resp: 1146
 Ion Ratio Lower Upper
 75 100
 77 52.1 21.3 39.5#



#42
 Toluene
 Concen: 0.94 ug/L
 RT: 8.720 min Scan# 1252
 Delta R.T. -0.000 min
 Lab File: VX021914.D
 Acq: 11 May 2021 21:24

Tgt Ion: 91 Resp: 24591
 Ion Ratio Lower Upper
 91 100
 92 61.1 42.1 78.3

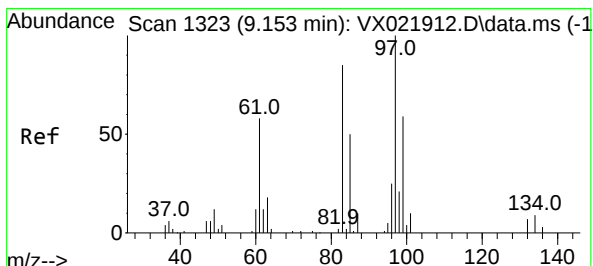
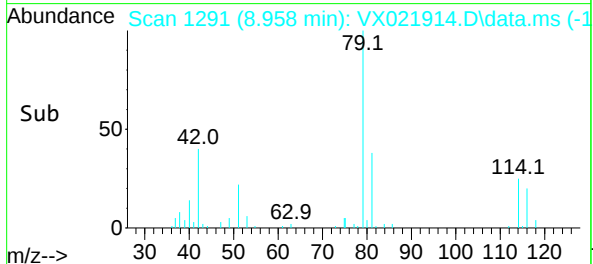
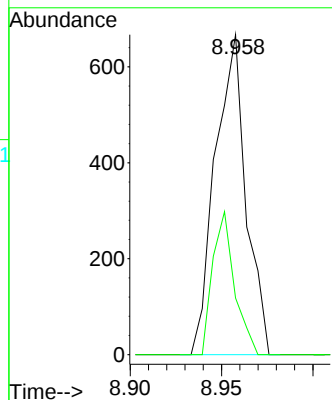
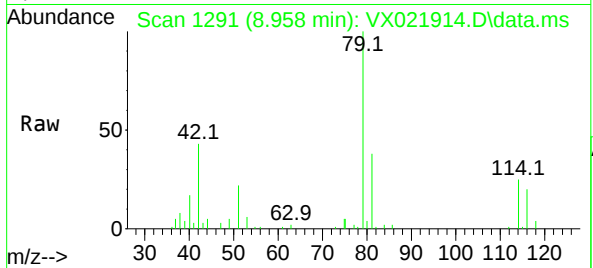




#44
trans-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

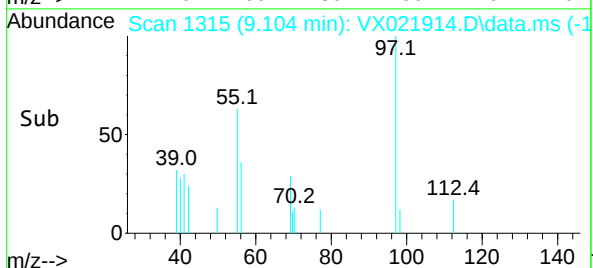
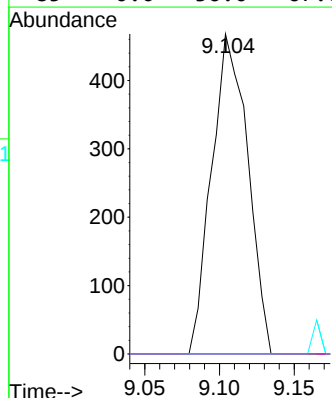
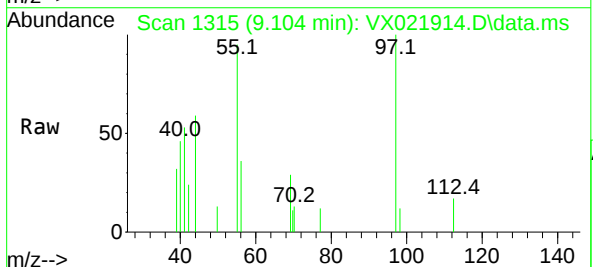
Instrument :
MSVOA_X
ClientSampleId :

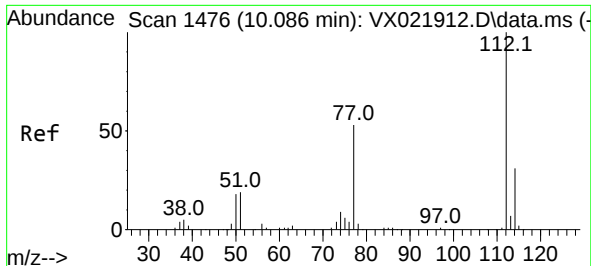
Tgt Ion: 75 Resp: 779
Ion Ratio Lower Upper
75 100
77 17.7 21.6 40.0#



#45
1,1,2-Trichloroethane
Concen: 0.19 ug/L
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

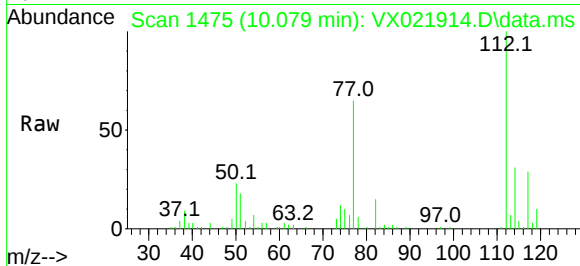
Tgt Ion: 97 Resp: 785
Ion Ratio Lower Upper
97 100
99 0.0 42.6 79.0#
83 0.0 55.4 102.8#
85 0.0 36.0 67.0#



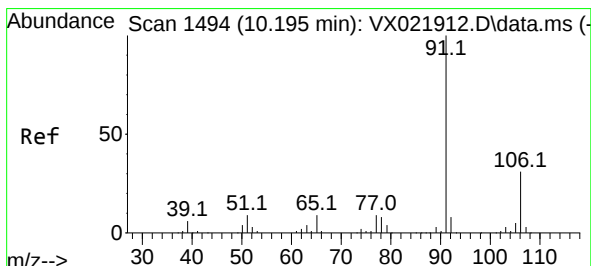
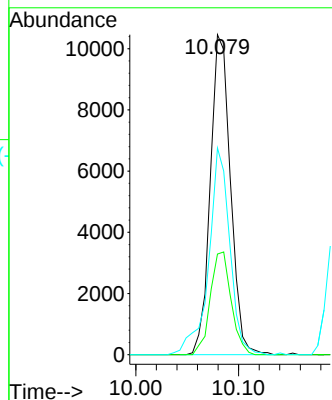
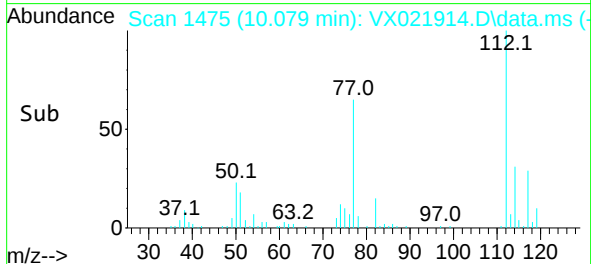


#51
Chlorobenzene
Concen: 0.88 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

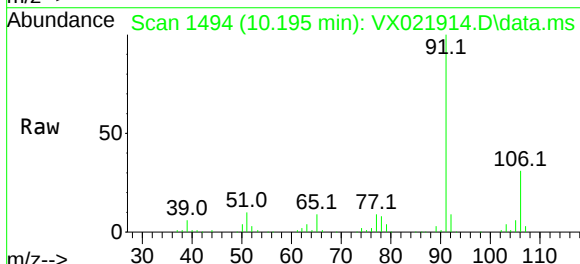
Instrument :
MSVOA_X
ClientSampled :



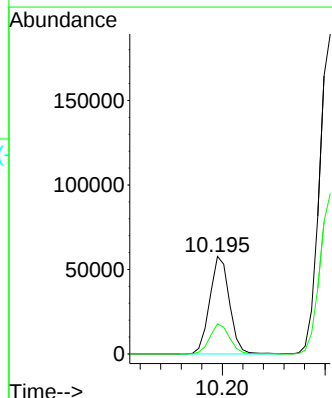
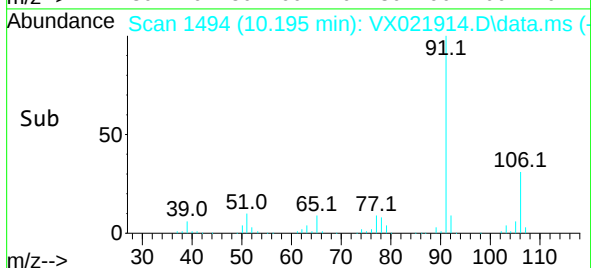
Tgt Ion:112 Resp: 14245
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 64.6 46.4 69.6

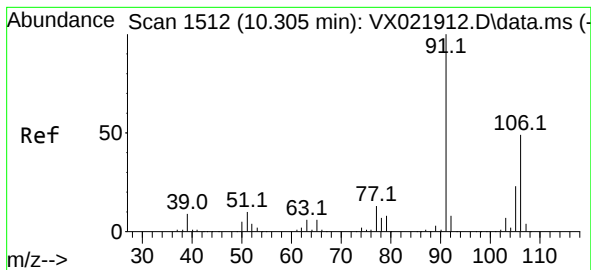


#52
Ethylbenzene
Concen: 2.63 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24



Tgt Ion: 91 Resp: 76866
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0

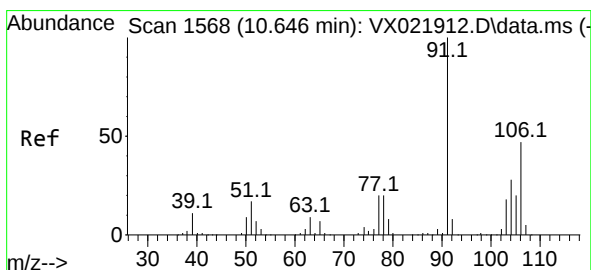
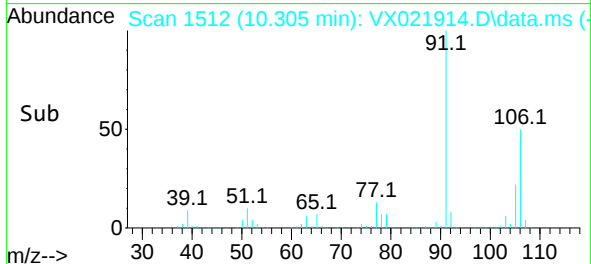
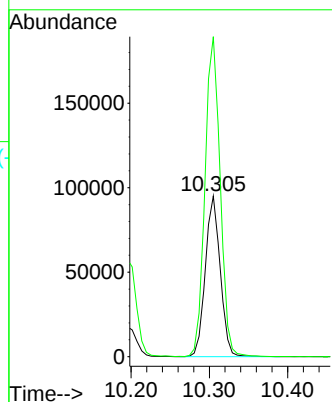
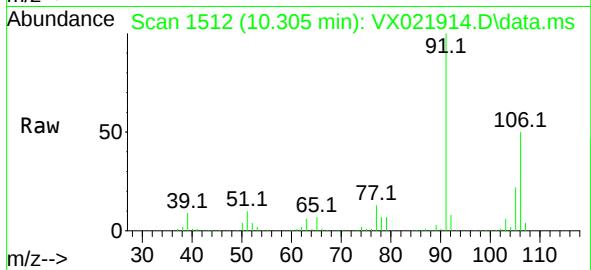




#53
m,p-xylene
Concen: 11.16 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

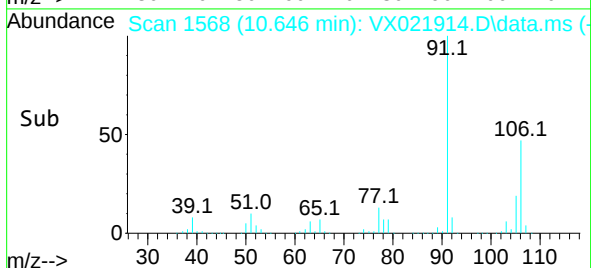
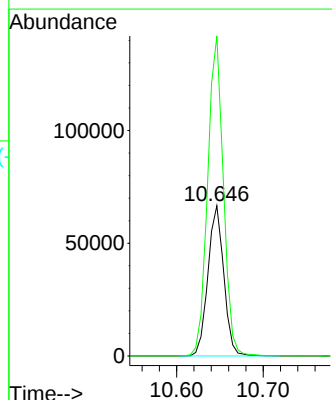
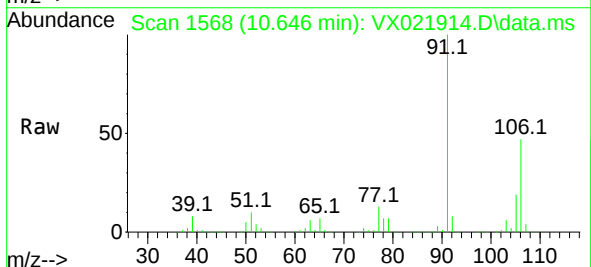
Instrument :
MSVOA_X
ClientSampled :

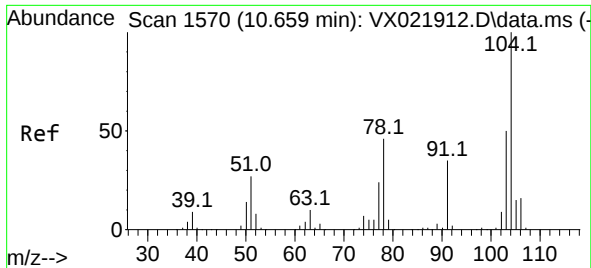
Tgt Ion:106 Resp: 125202
Ion Ratio Lower Upper
106 100
91 199.1 141.7 263.3



#54
o-xylene
Concen: 7.81 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion:106 Resp: 84661
Ion Ratio Lower Upper
106 100
91 213.0 142.0 263.8

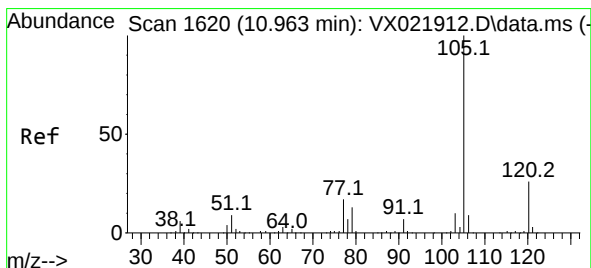
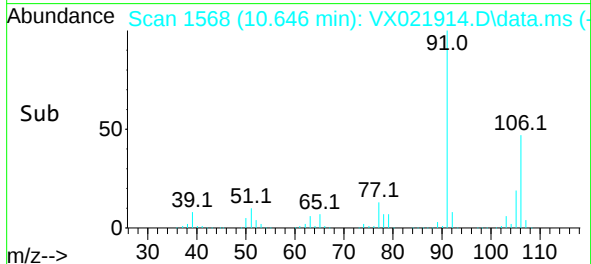
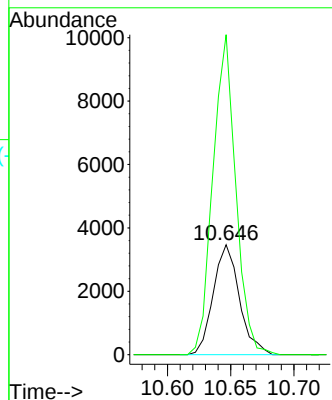
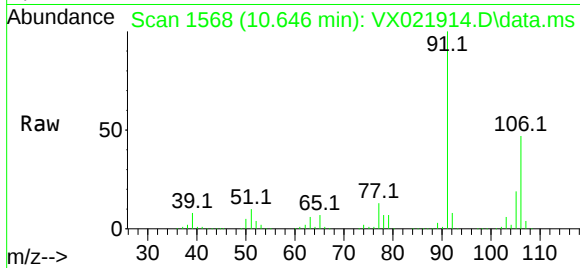




#55
Styrene
Concen: 0.27 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.012 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

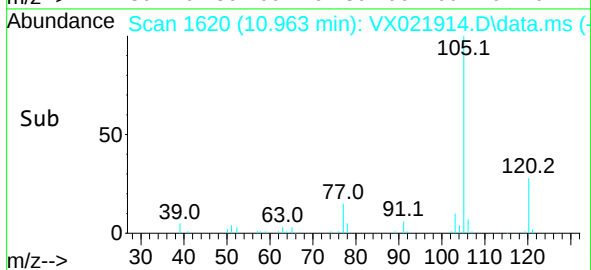
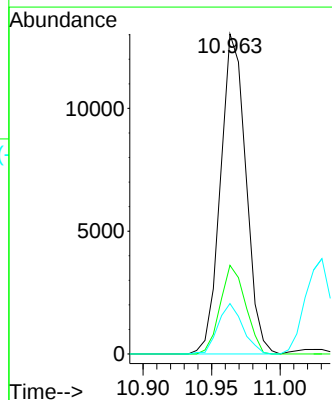
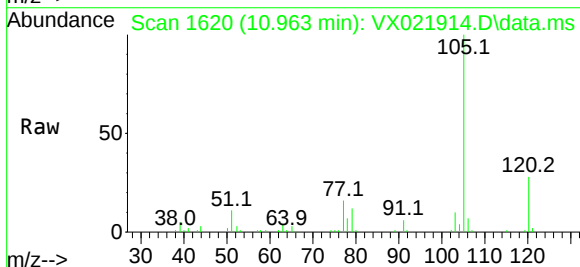
Instrument :
MSVOA_X
ClientSampled :

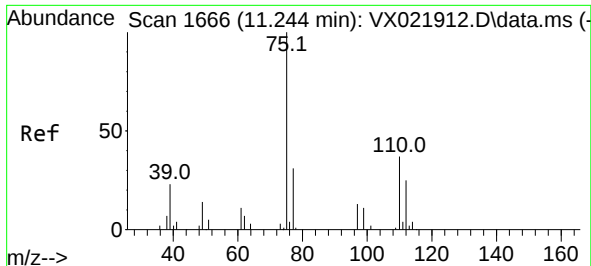
Tgt Ion:104 Resp: 4978
Ion Ratio Lower Upper
104 100
78 291.3 32.7 60.7#



#60
Isopropylbenzene
Concen: 0.58 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion:105 Resp: 16731
Ion Ratio Lower Upper
105 100
120 27.6 21.0 31.6
77 15.5 12.4 18.6

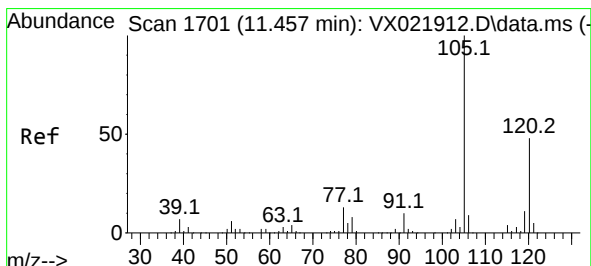
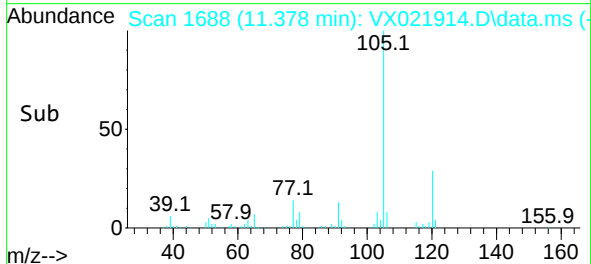
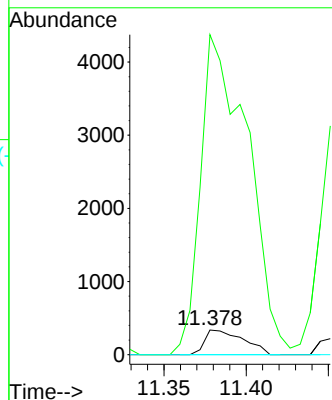
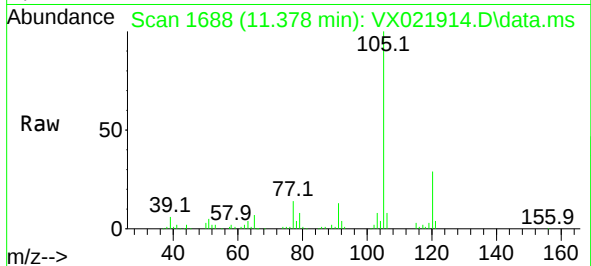




#61
1,2,3-Trichloropropane
Concen: 0.16 ug/L
RT: 11.378 min Scan# 1688
Delta R.T. 0.134 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

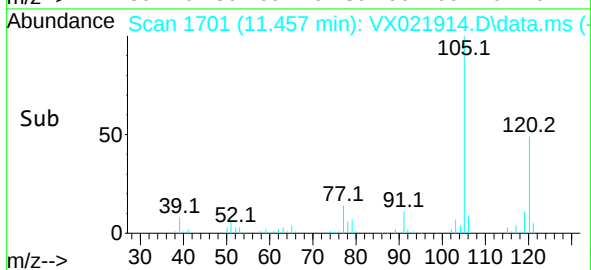
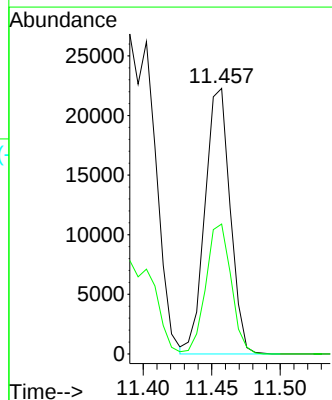
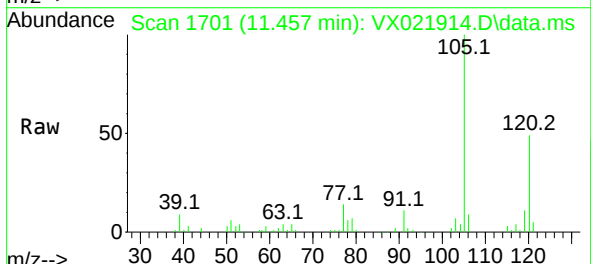
Instrument :
MSVOA_X
ClientSampleId :

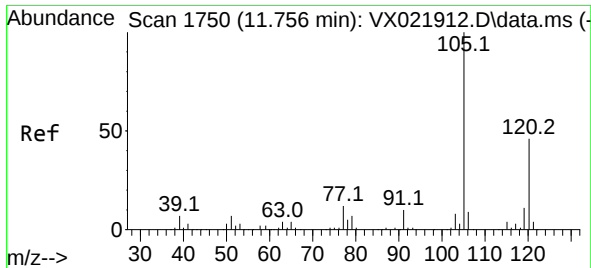
Tgt Ion: 75 Resp: 552
Ion Ratio Lower Upper
75 100
77 1583.2 24.6 37.0#
110 0.0 32.3 48.5#



#62
1,3,5-Trimethylbenzene
Concen: 1.19 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion: 105 Resp: 28549
Ion Ratio Lower Upper
105 100
120 49.0 38.4 57.6

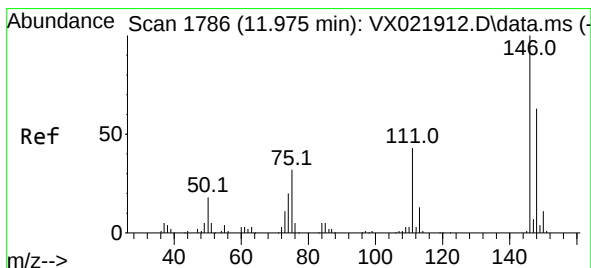
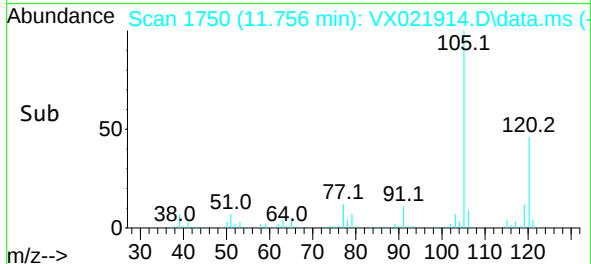
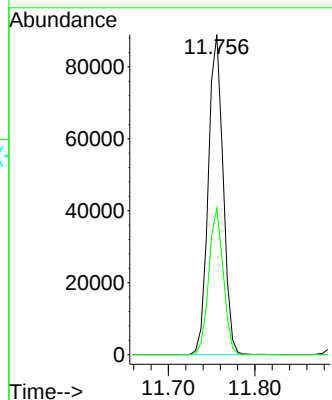
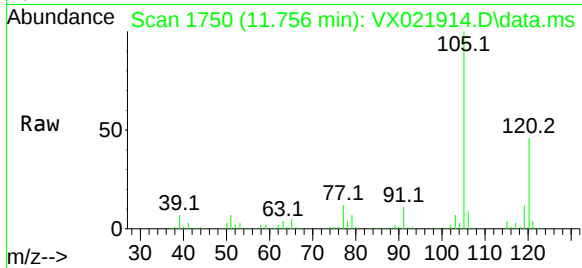




#63
1,2,4-Trimethylbenzene
Concen: 4.25 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

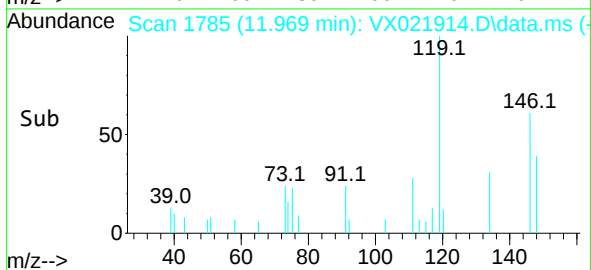
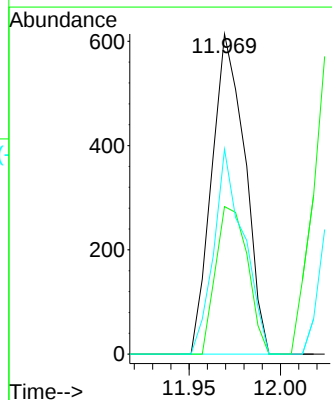
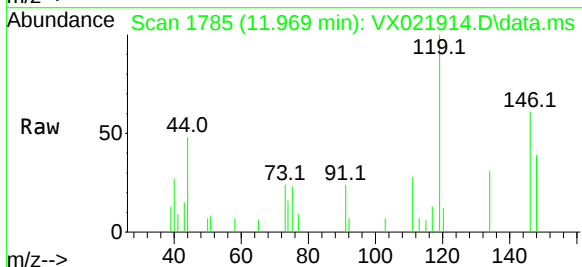
Instrument :
MSVOA_X
ClientSampleId :

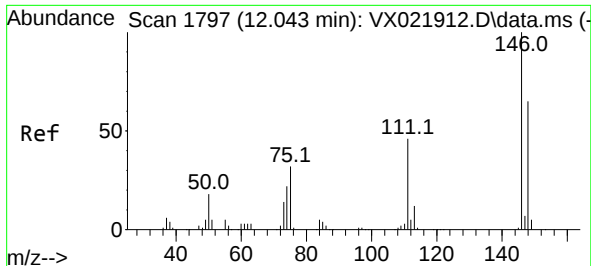
Tgt Ion:105 Resp: 105621
Ion Ratio Lower Upper
105 100
120 44.8 36.4 54.6



#64
1,3-Dichlorobenzene
Concen: 0.07 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.006 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion:146 Resp: 774
Ion Ratio Lower Upper
146 100
111 46.1 30.8 57.2
148 64.0 44.2 82.2

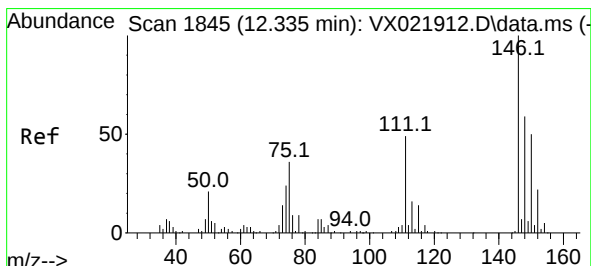
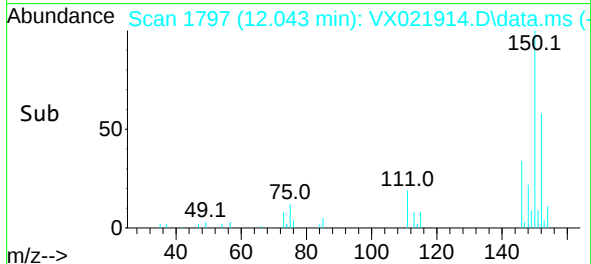
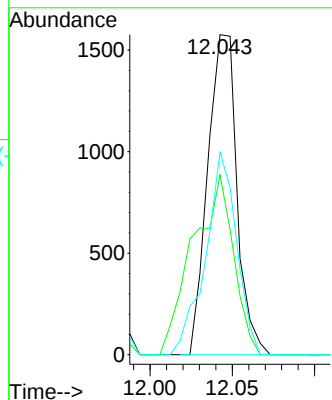
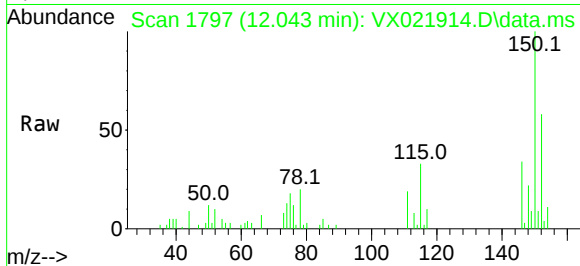




#65
1,4-Dichlorobenzene
Concen: 0.17 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

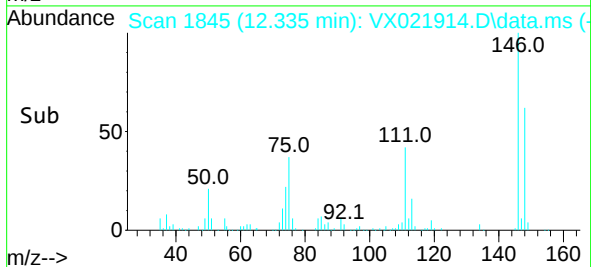
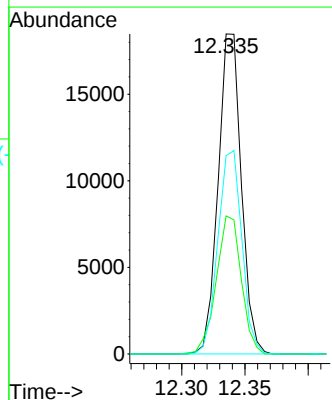
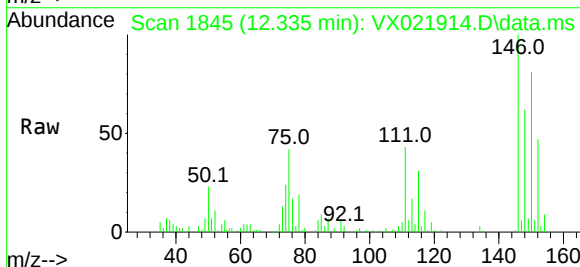
Instrument :
MSVOA_X
ClientSampled :

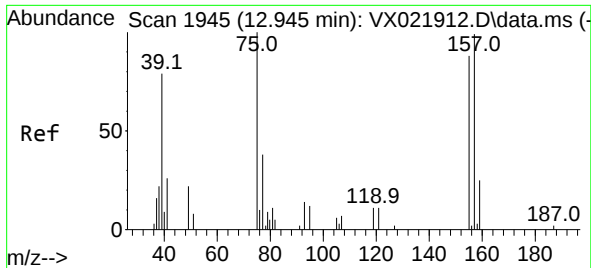
Tgt Ion:146 Resp: 1947
Ion Ratio Lower Upper
146 100
111 56.2 30.4 56.5
148 63.3 43.2 80.2



#67
1,2-Dichlorobenzene
Concen: 2.18 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion:146 Resp: 23563
Ion Ratio Lower Upper
146 100
111 43.2 36.2 54.2
148 62.0 49.6 74.4

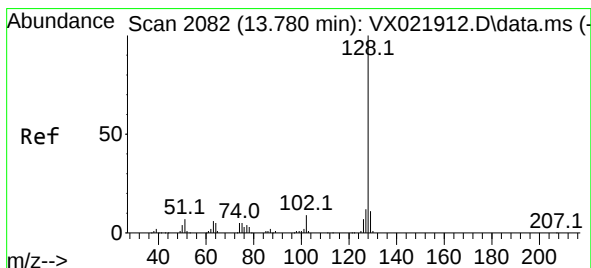
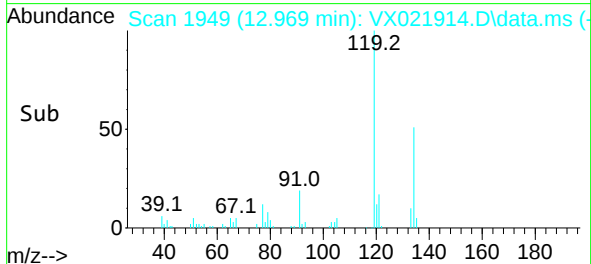
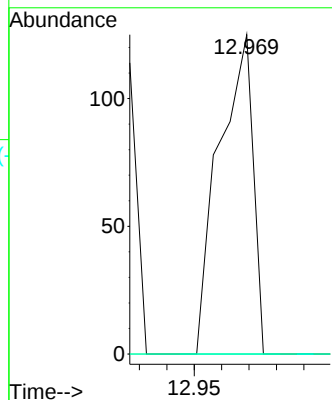
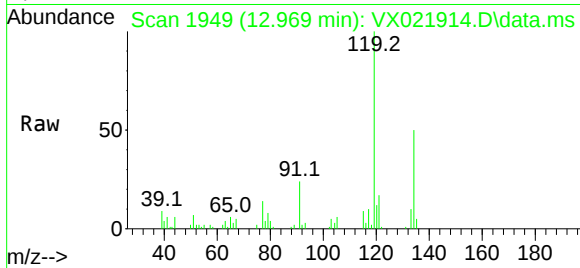




#68
1,2-Dibromo-3-chloropropane
Concen: 0.13 ug/L
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
155 0.0 58.5 87.7#
157 0.0 68.6 103.0#



#71
Naphthalene
Concen: 0.56 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX021914.D
Acq: 11 May 2021 21:24

Tgt Ion: 128 Resp: 8552
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.9 10.1 15.1

