

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044982.D
 Acq On : 18 Feb 2025 13:05
 Operator : JC/MD
 Sample : Q1363-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:11:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

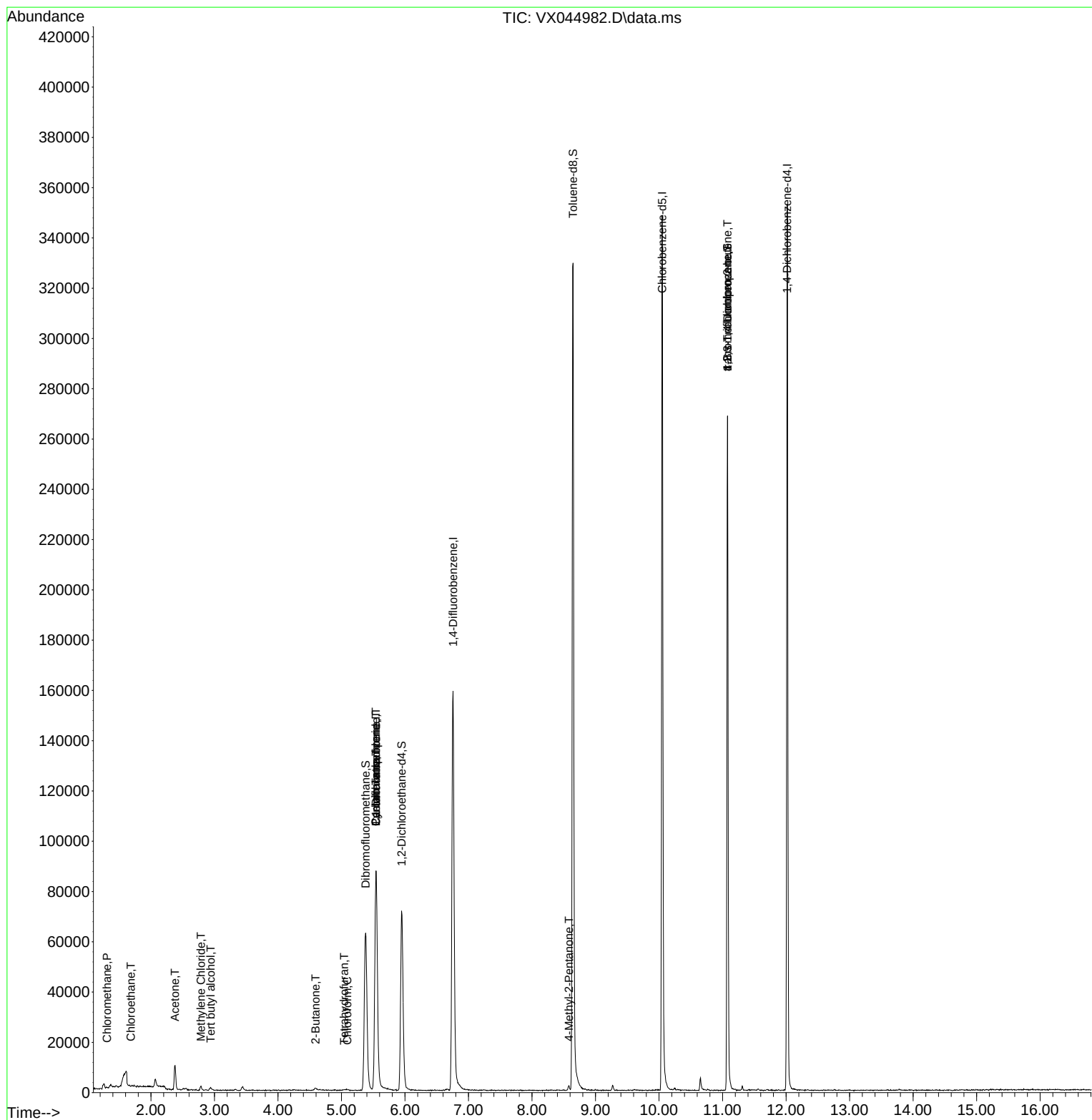
Internal Standards						
1) Pentafluorobenzene	5.544	168	84342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67541	54.706	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.420%	
35) Dibromofluoromethane	5.379	113	56940	51.582	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.160%	
50) Toluene-d8	8.647	98	211962	50.779	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	11.079	95	72908	51.810	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	390	0.271	ug/l #	42
6) Chloroethane	1.685	64	95	1.482	ug/l #	42
11) Tert butyl alcohol	2.941	59	625	2.729	ug/l #	73
16) Acetone	2.380	43	11095	22.354	ug/l	95
20) Methylene Chloride	2.788	84	766	0.630	ug/l #	86
25) 2-Butanone	4.593	43	2009	2.493	ug/l	93
29) Tetrahydrofuran	5.044	42	305	0.570	ug/l #	47
30) Chloroform	5.093	83	433	0.215	ug/l #	54
31) Cyclohexane	5.544	56	1949	1.017	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7102	4.459	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8830	5.658	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	1198	0.689	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	38760	26.053	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38760	67.019	ug/l #	11

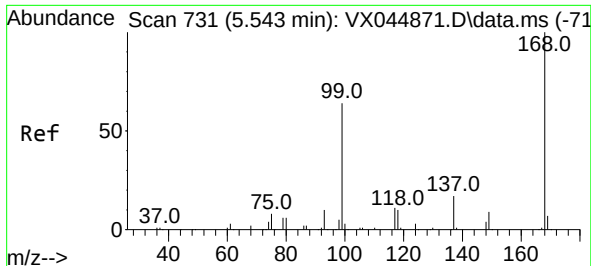
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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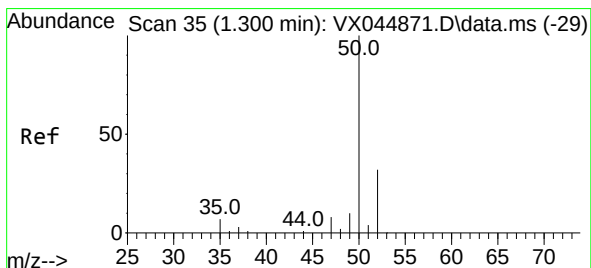
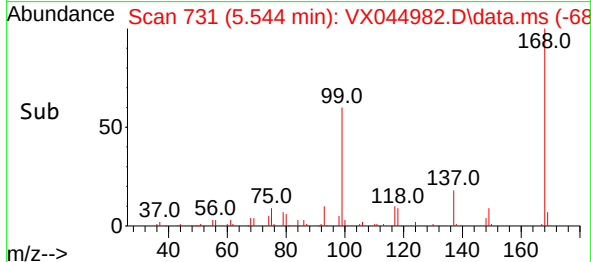
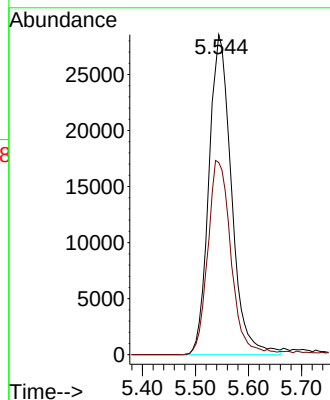
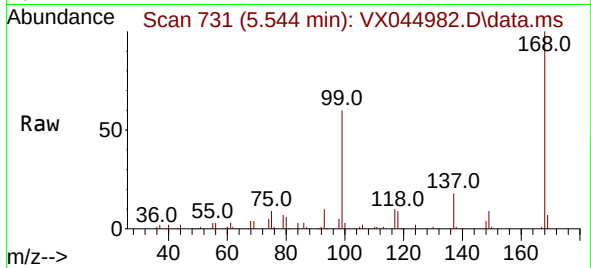




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

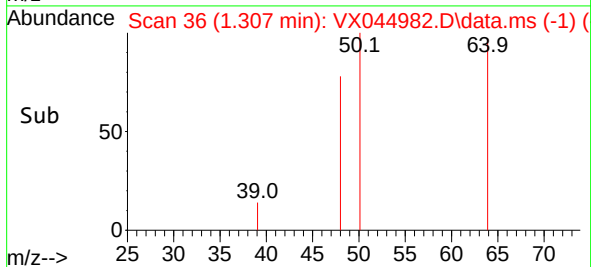
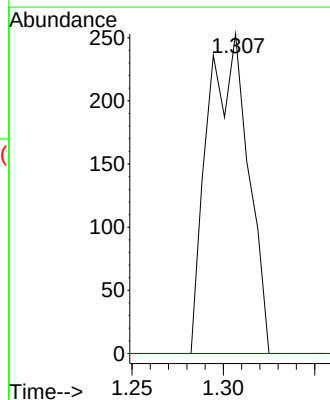
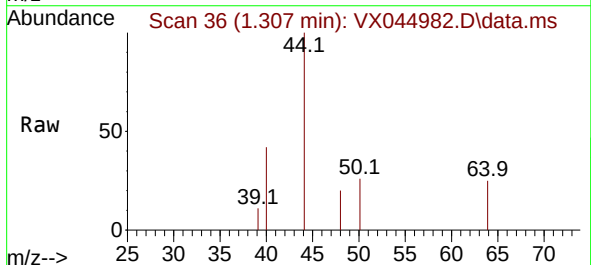
Instrument :
MSVOA_X
ClientSampleId :

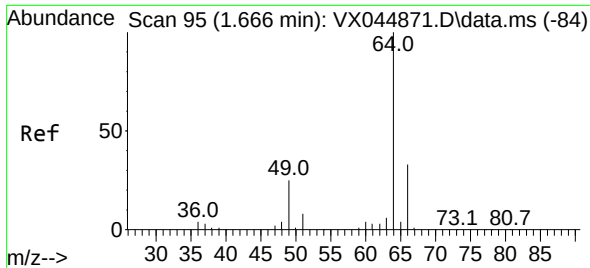
Tgt Ion:168 Resp: 84342
Ion Ratio Lower Upper
168 100
99 60.1 51.2 76.8



#3
Chloromethane
Concen: 0.271 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

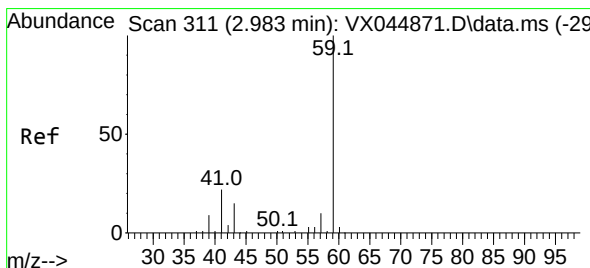
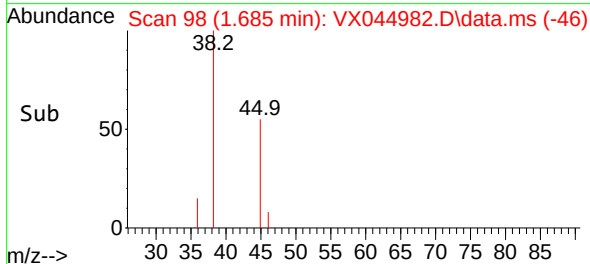
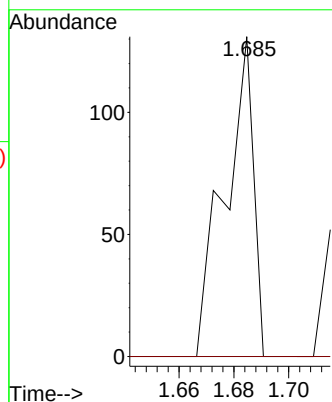
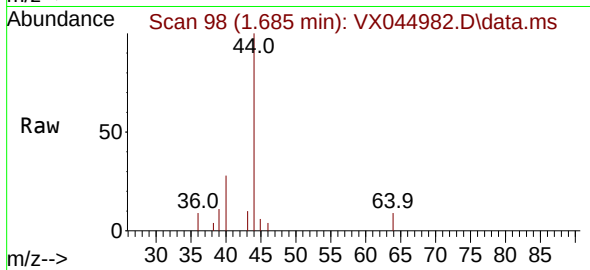




#6
Chloroethane
Concen: 1.482 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

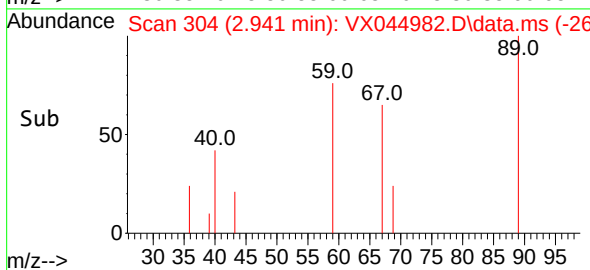
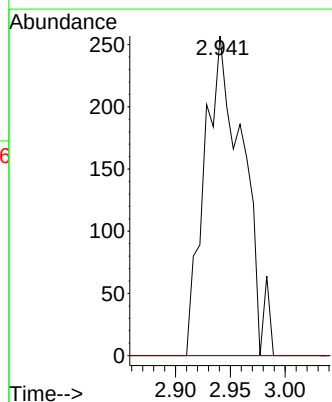
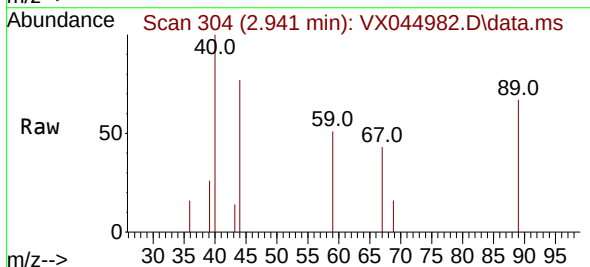
Instrument :
MSVOA_X
ClientSampleId :

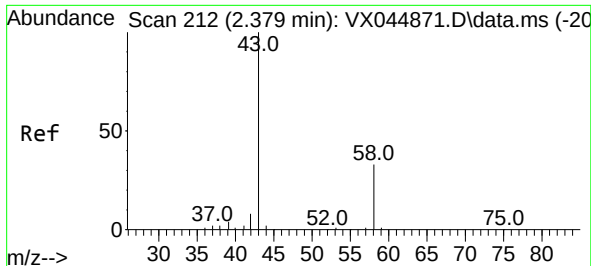
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 2.729 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 59 Resp: 625
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

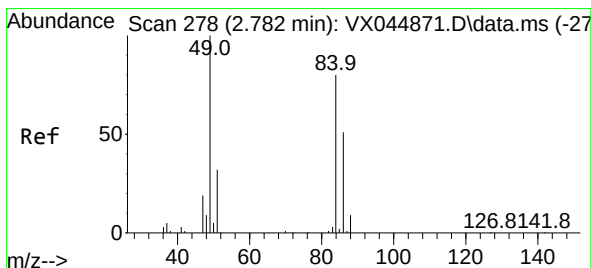
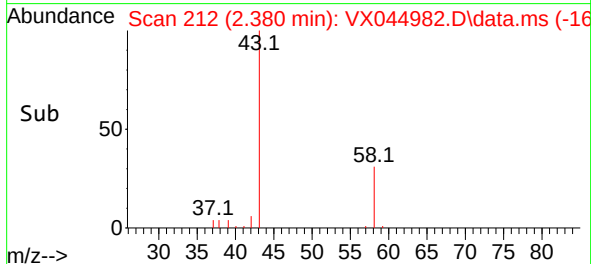
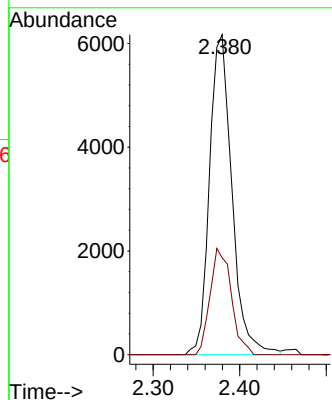
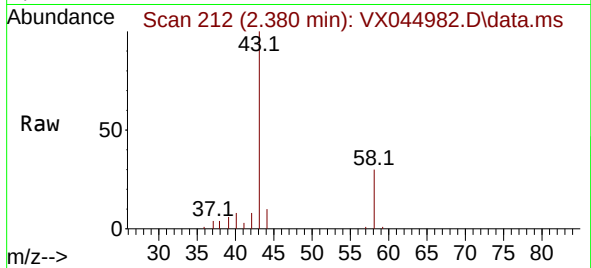




#16
Acetone
Concen: 22.354 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

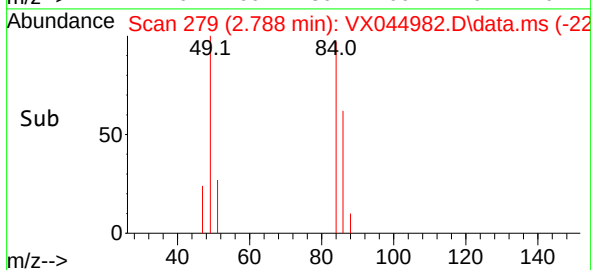
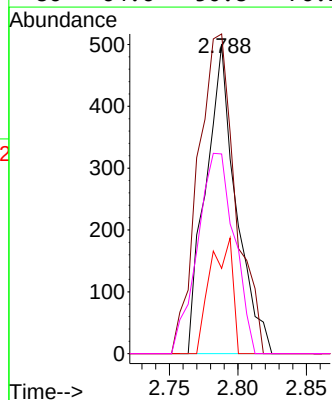
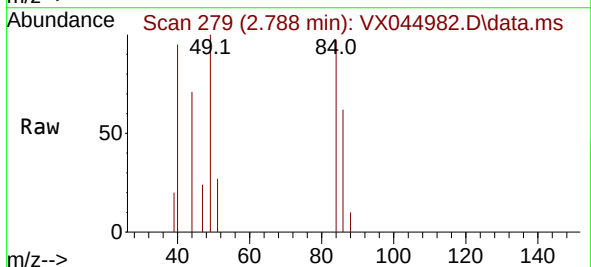
Instrument :
MSVOA_X
ClientSampleId :

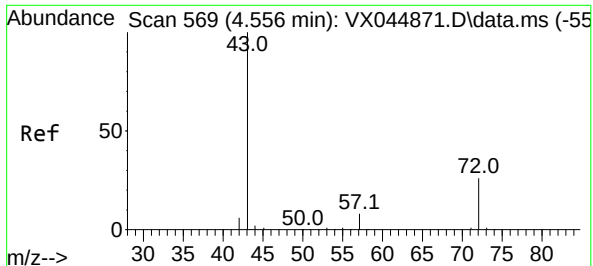
Tgt Ion: 43 Resp: 11095
Ion Ratio Lower Upper
43 100
58 30.3 26.5 39.7



#20
Methylene Chloride
Concen: 0.630 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 84 Resp: 766
Ion Ratio Lower Upper
84 100
49 103.4 100.1 150.1
51 27.6 31.7 47.5#
86 64.6 50.8 76.2

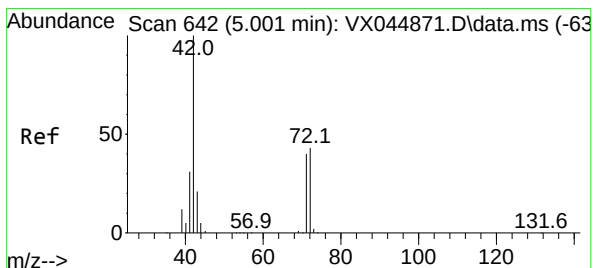
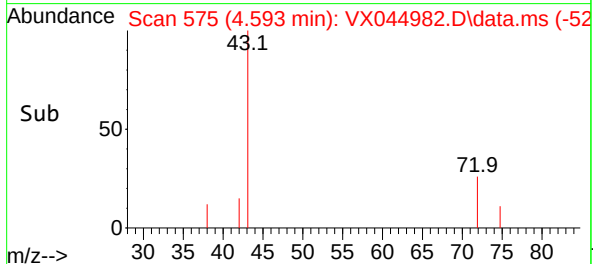
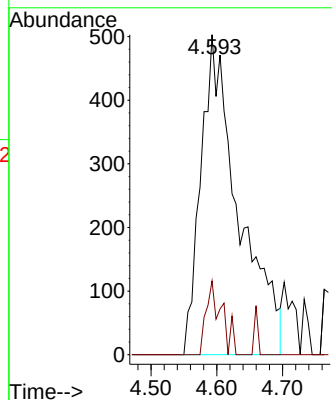
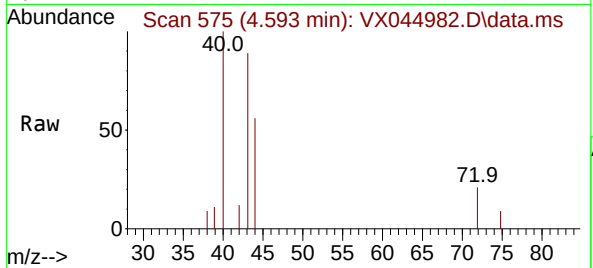




#25
2-Butanone
Concen: 2.493 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

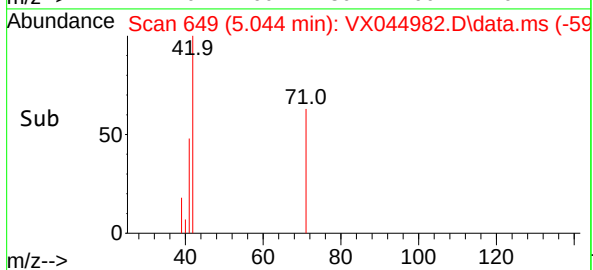
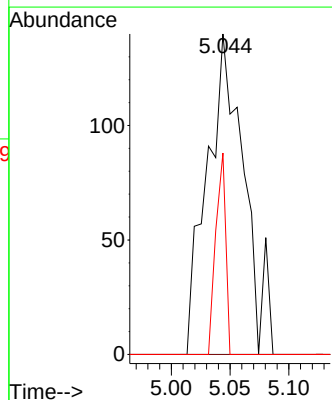
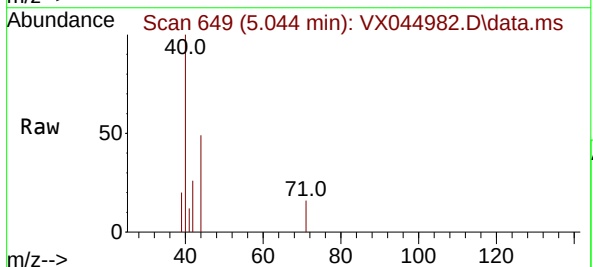
Instrument :
MSVOA_X
ClientSampleId :

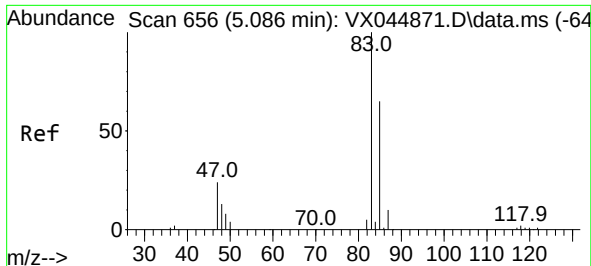
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
72 23.1 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.570 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 17.0 32.6 48.8#





#30

Chloroform

Concen: 0.215 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

Instrument :

MSVOA_X

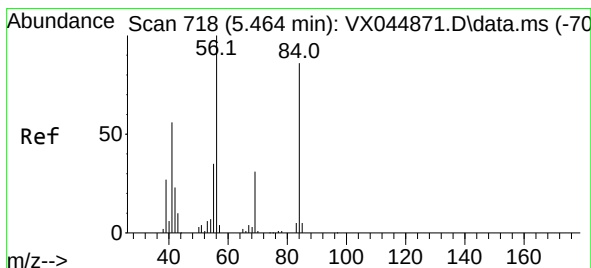
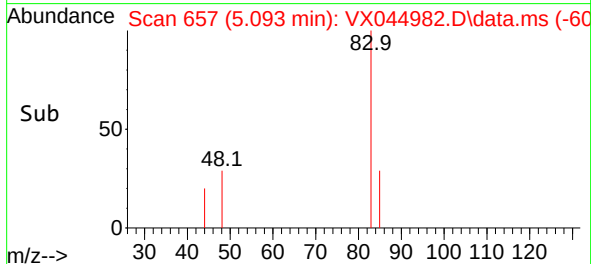
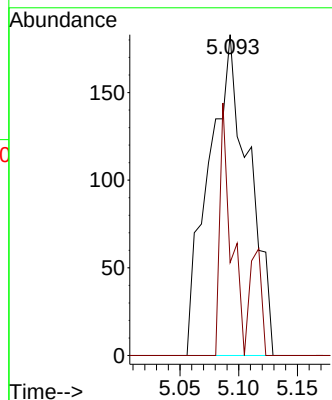
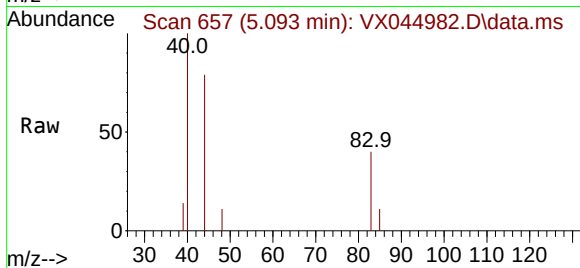
ClientSampleId :

Tgt Ion: 83 Resp: 433

Ion Ratio Lower Upper

83 100

85 29.0 52.1 78.1#



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.080 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

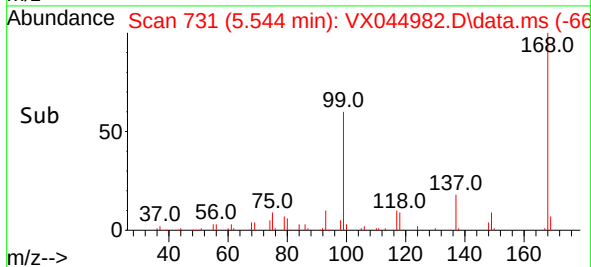
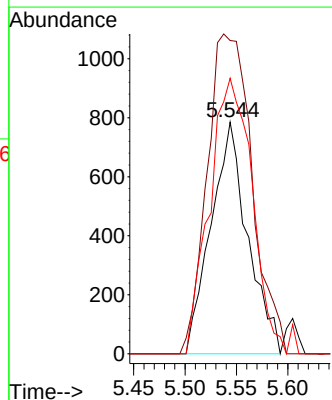
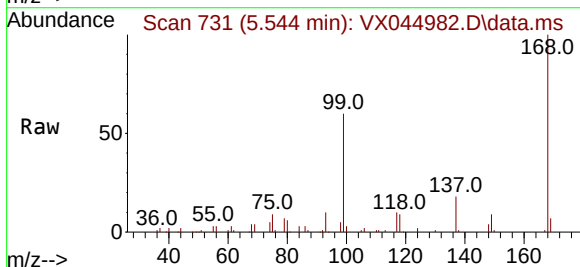
Tgt Ion: 56 Resp: 1949

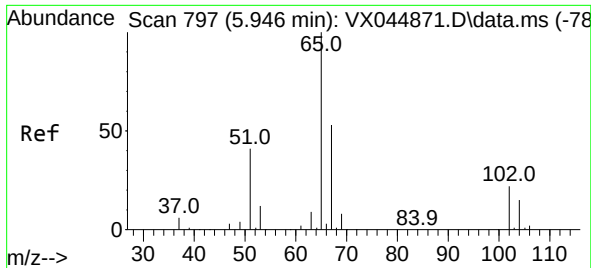
Ion Ratio Lower Upper

56 100

69 135.3 24.4 36.6#

84 119.0 69.0 103.6#

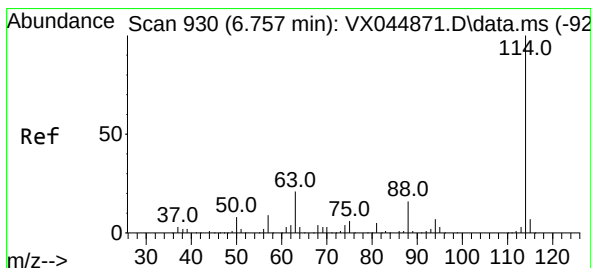
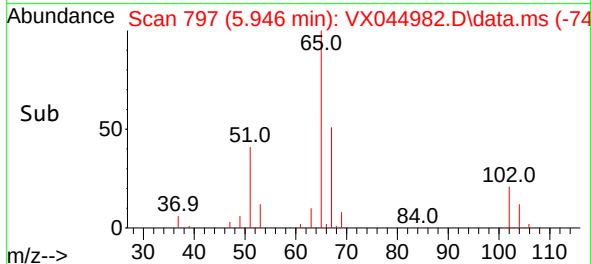
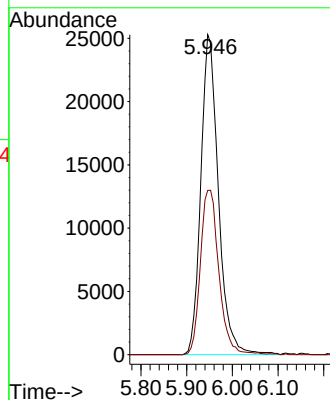
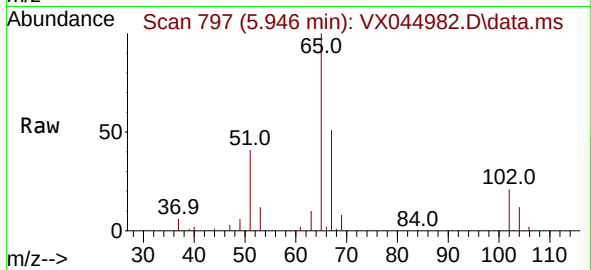




#33
1,2-Dichloroethane-d4
Concen: 54.706 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

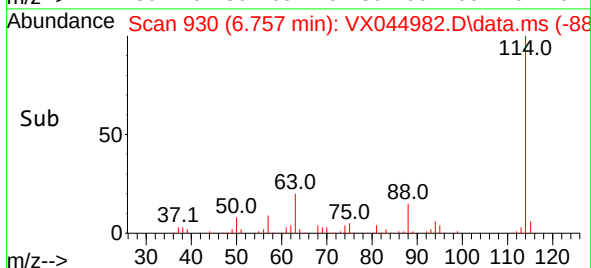
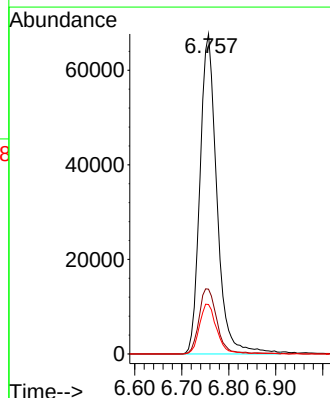
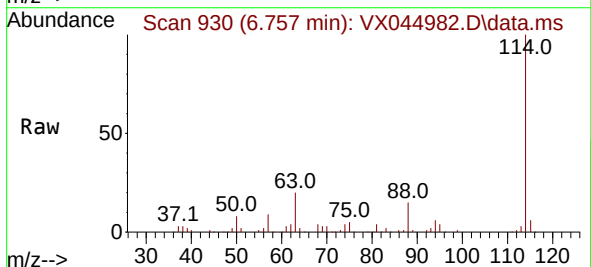
Instrument :
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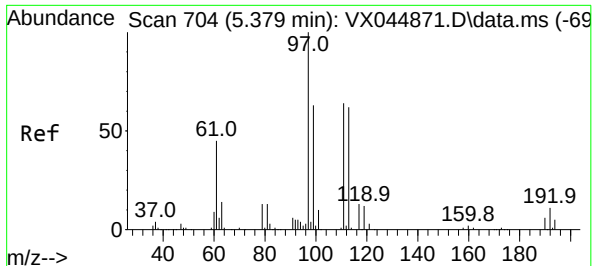
Tgt Ion: 65 Resp: 67541
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion:114 Resp: 169783
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 15.4 0.0 31.4

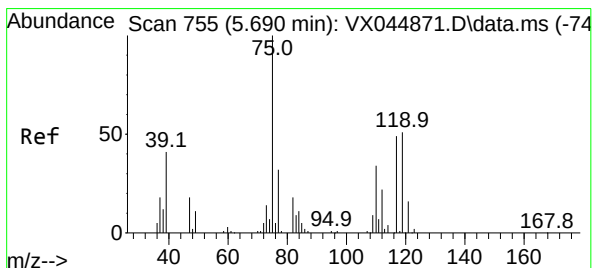
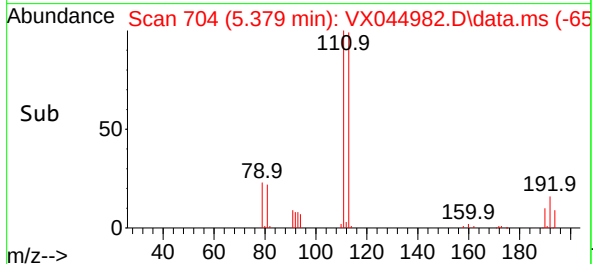
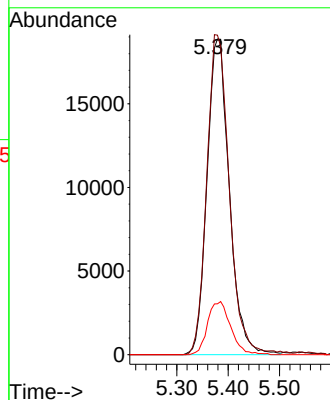
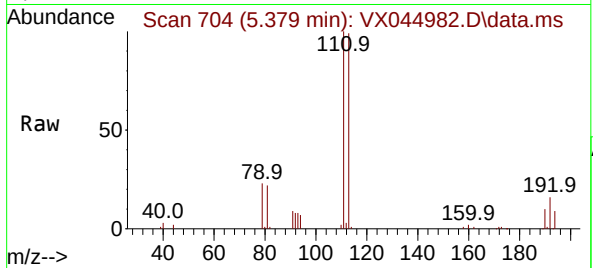




#35
Dibromofluoromethane
Concen: 51.582 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

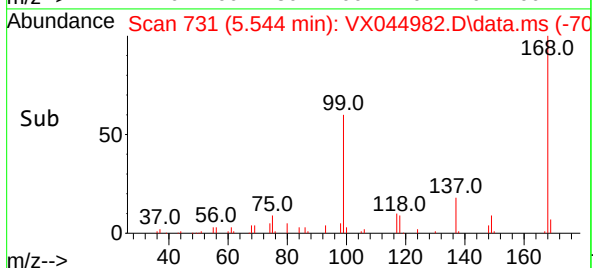
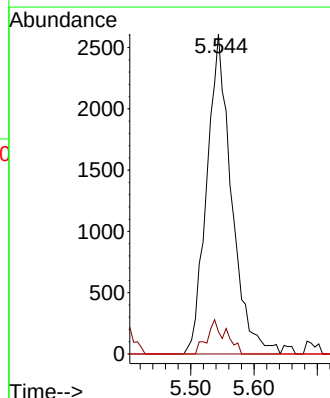
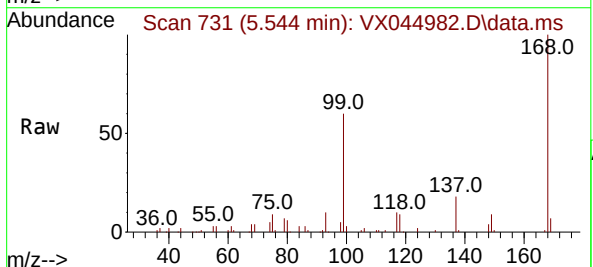
Instrument :
MSVOA_X
ClientSampleId :

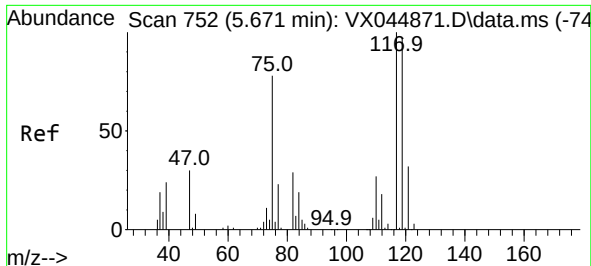
Tgt Ion:113 Resp: 56940
Ion Ratio Lower Upper
113 100
111 102.5 83.5 125.3
192 17.4 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

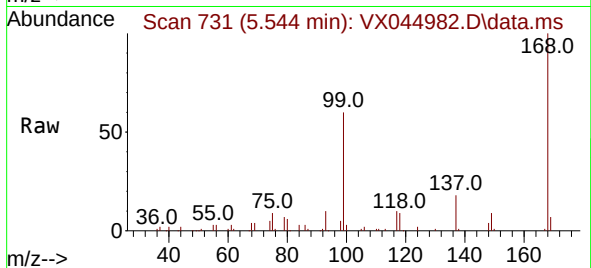
Tgt Ion: 75 Resp: 7102
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.6#
77 0.0 24.6 37.0#



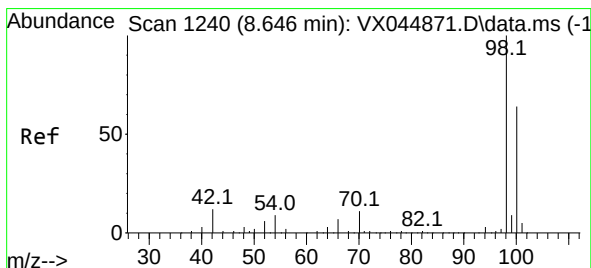
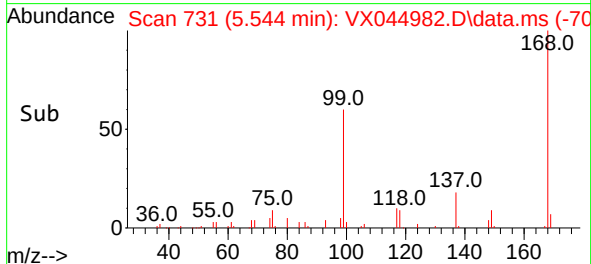
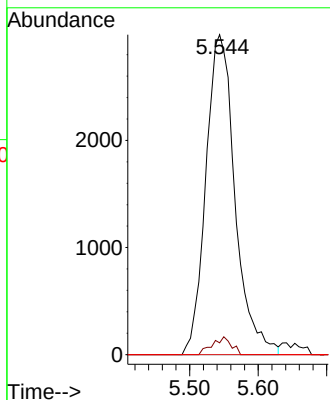


#38
Carbon Tetrachloride
Concen: 5.658 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :

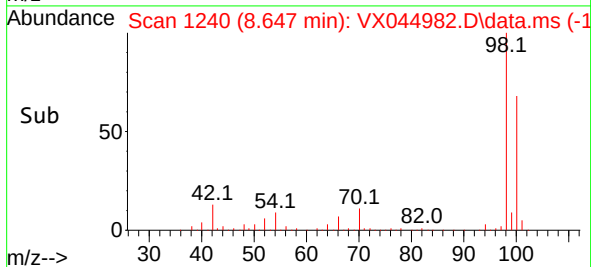
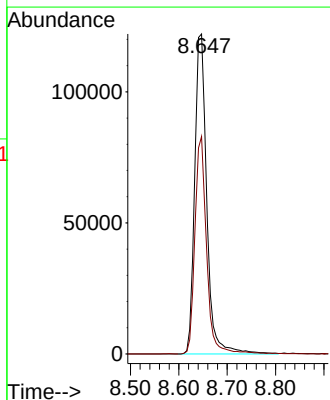
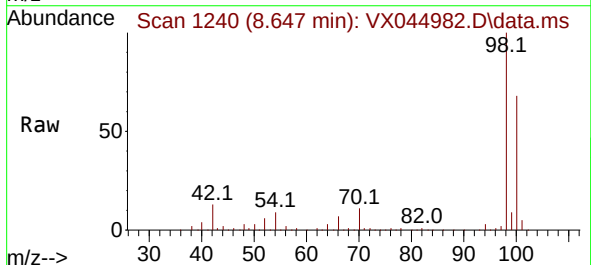


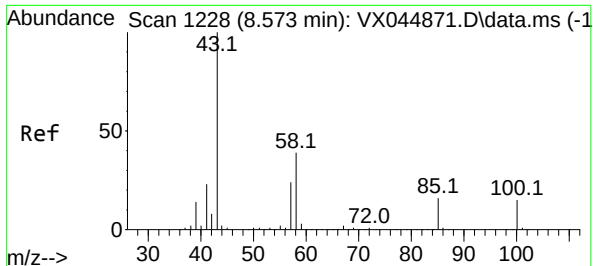
Tgt Ion:117 Resp: 8830
Ion Ratio Lower Upper
117 100
119 3.7 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 50.779 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 98 Resp: 211962
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

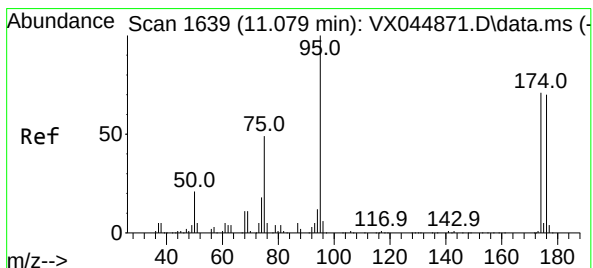
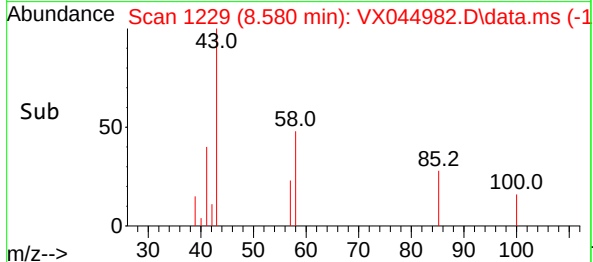
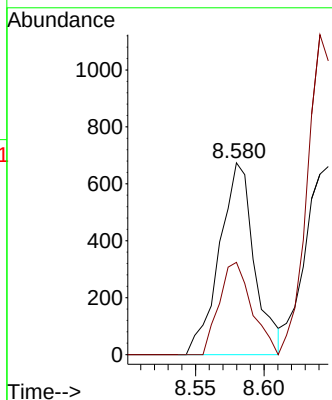
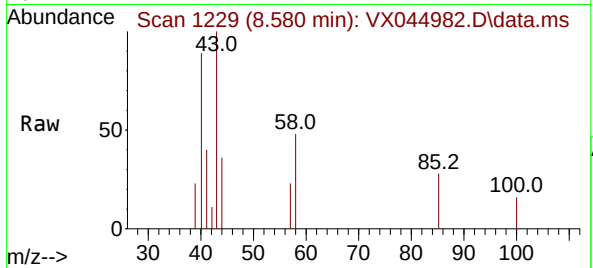




#51
4-Methyl-2-Pentanone
Concen: 0.689 ug/l
RT: 8.580 min Scan# 1198
Delta R.T. 0.006 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

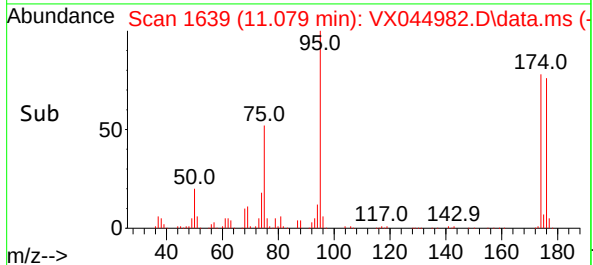
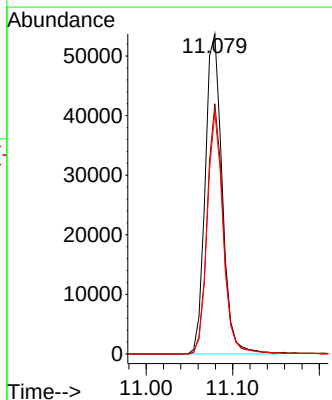
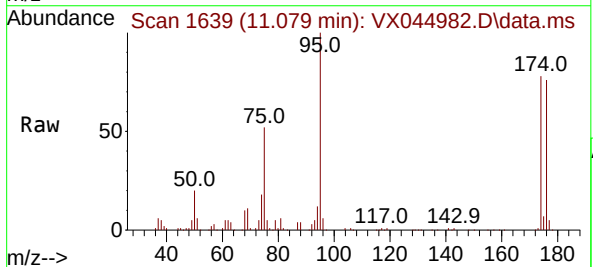
Instrument :
MSVOA_X
ClientSampleId :

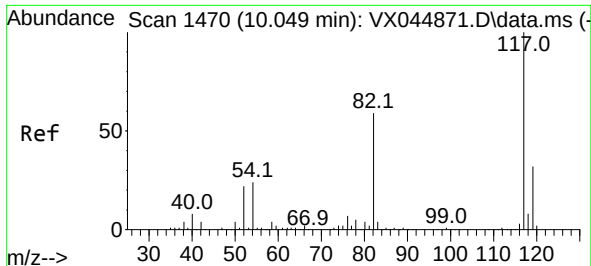
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 44.7 30.8 46.2



#62
4-Bromofluorobenzene
Concen: 51.810 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 95 Resp: 72908
Ion Ratio Lower Upper
95 100
174 74.4 0.0 142.6
176 71.1 0.0 141.6

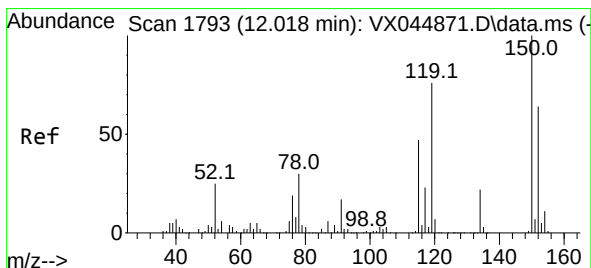
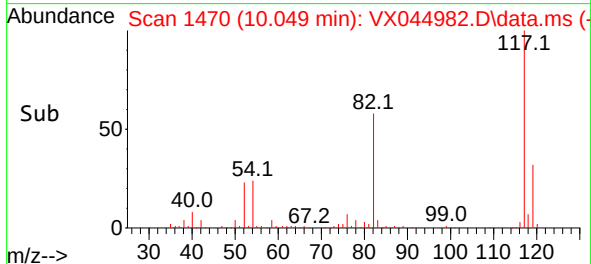
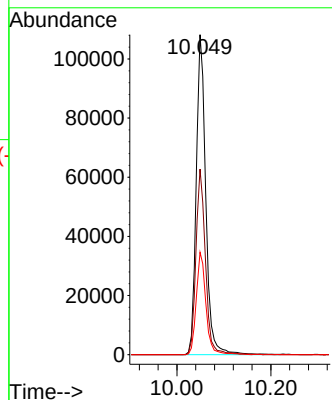
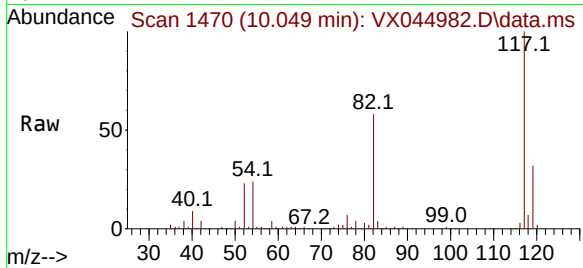




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

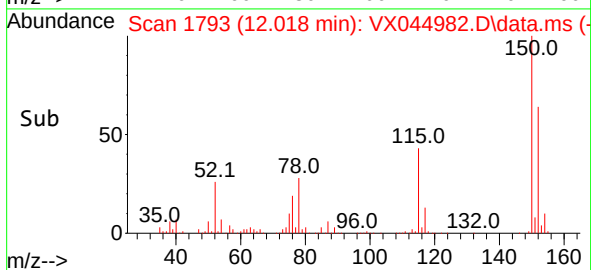
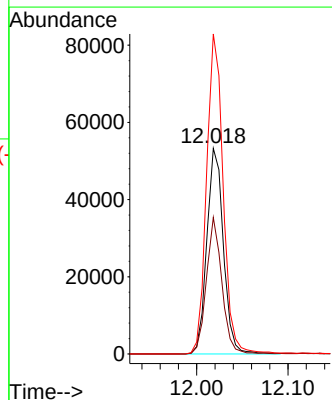
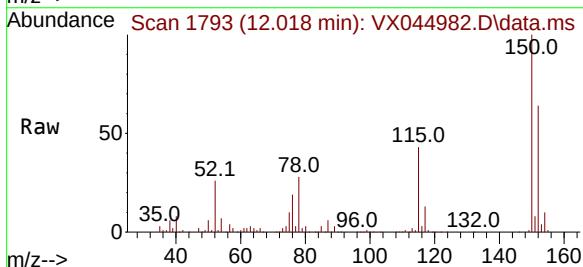
Instrument :
MSVOA_X
ClientSampleId :

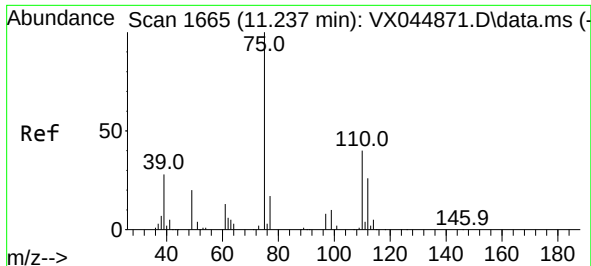
Tgt Ion:117 Resp: 153945
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion:152 Resp: 67101
Ion Ratio Lower Upper
152 100
115 62.2 43.4 130.1
150 155.3 0.0 350.4

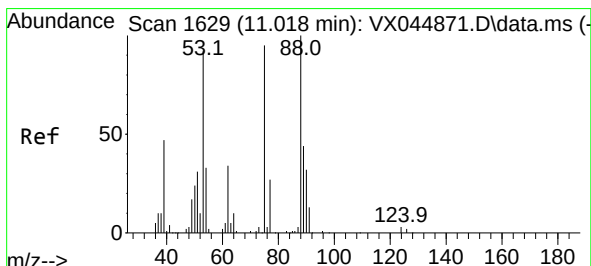
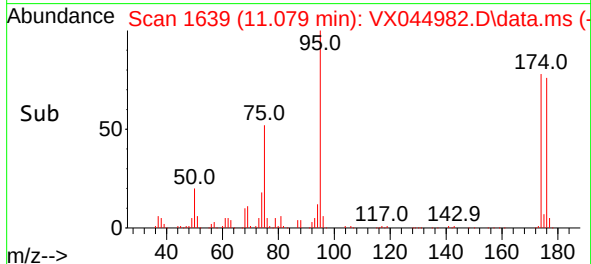
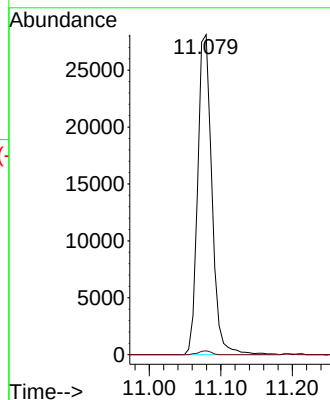
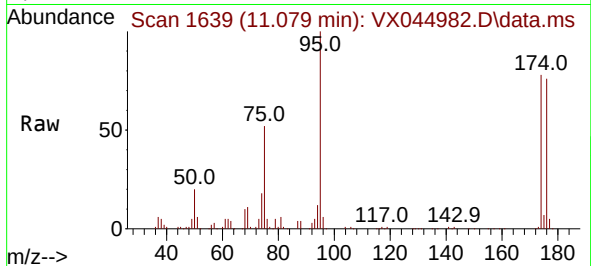




#76
1,2,3-Trichloropropane
Concen: 26.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 38760
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.019 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044982.D
Acq: 18 Feb 2025 13:05

Tgt Ion: 75 Resp: 38760
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

