

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045192.D
 Acq On : 10 Mar 2025 13:43
 Operator : JC/MD
 Sample : Q1500-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 03:55:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

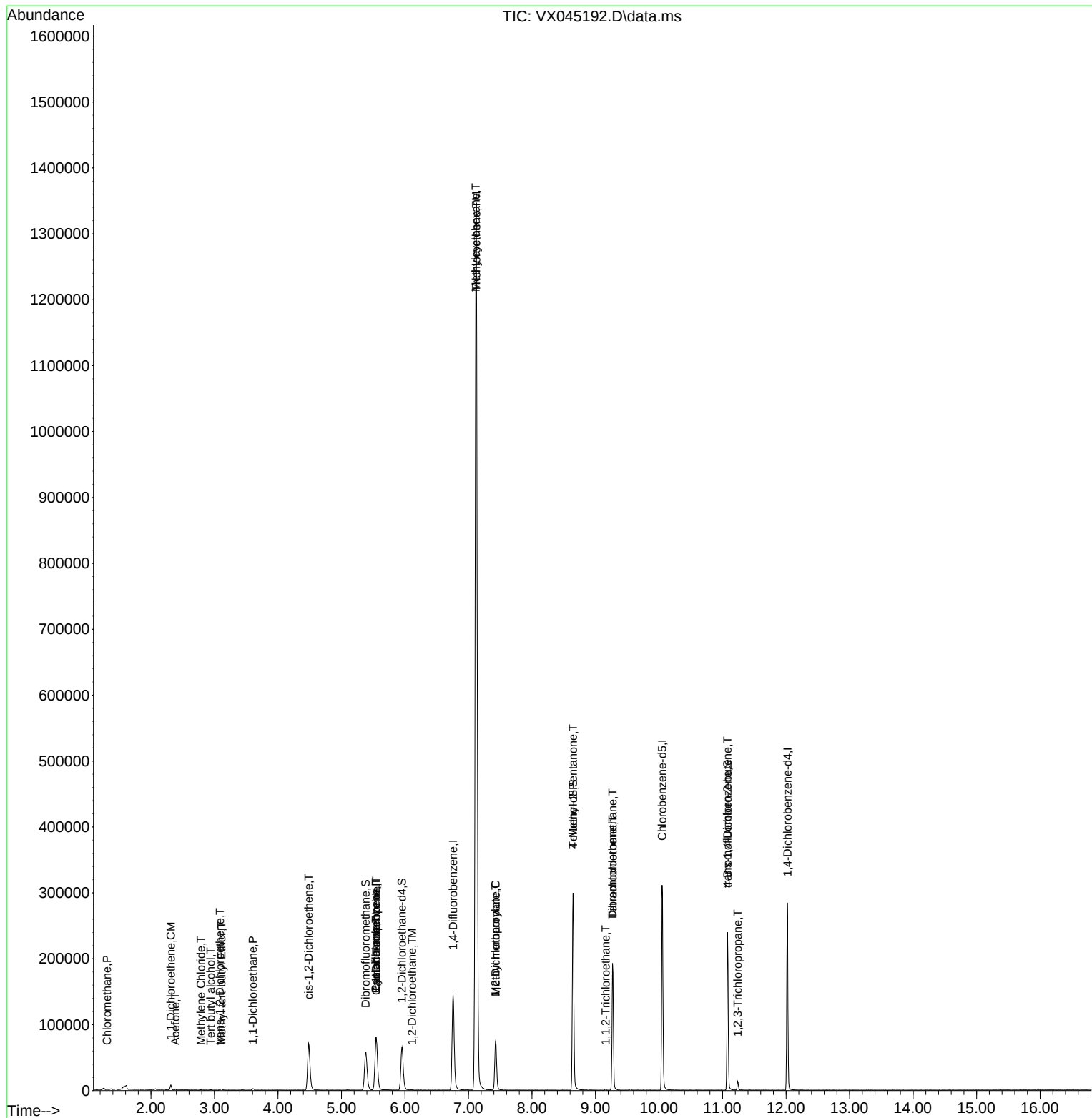
Internal Standards						
1) Pentafluorobenzene	5.544	168	73643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60764	51.873	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.740%	
35) Dibromofluoromethane	5.379	113	51747	52.821	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.640%	
50) Toluene-d8	8.647	98	179058	50.416	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	11.079	95	61540	52.290	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	334	0.294	ug/l	95
11) Tert butyl alcohol	2.940	59	233	1.050	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	2472	2.732	ug/l	96
16) Acetone	2.386	43	988	1.818	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	1518	0.500	ug/l #	80
20) Methylene Chloride	2.788	84	309	0.287	ug/l #	52
21) trans-1,2-Dichloroethene	3.087	96	326	0.365	ug/l #	75
24) 1,1-Dichloroethane	3.605	63	2489	1.356	ug/l #	94
27) cis-1,2-Dichloroethene	4.483	96	42012	38.068	ug/l	93
31) Cyclohexane	5.544	56	1898	1.191	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	6485	4.827	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7978	5.849	ug/l #	15
39) Methylcyclohexane	7.116	83	7090	4.404	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	583	0.382	ug/l #	75
44) Trichloroethene	7.123	130	508156	510.108	ug/l	98
45) 1,2-Dichloropropane	7.427	63	29707	27.235	ug/l	94
48) Methyl methacrylate	7.427	41	17280	13.455	ug/l #	36
51) 4-Methyl-2-Pentanone	8.647	43	961	0.559	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	385	0.376	ug/l	91
60) Dibromochloromethane	9.268	129	35208	32.860	ug/l #	11
64) Tetrachloroethene	9.268	164	34793	40.590	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	4826	3.684	ug/l	82
81) trans-1,4-Dichloro-2-b...	11.079	75	33477	87.457	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

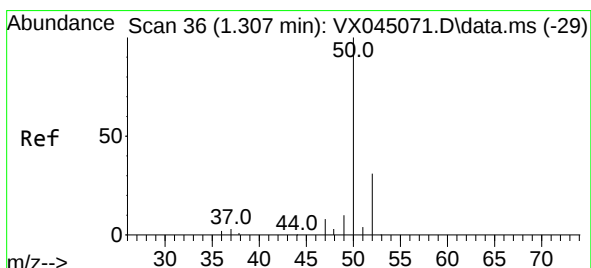
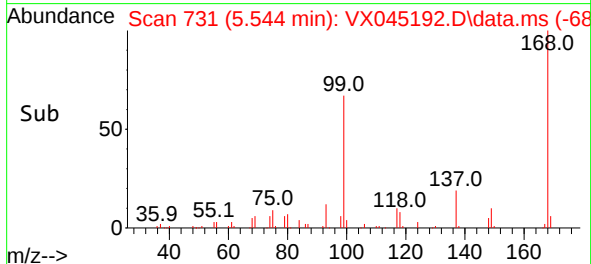
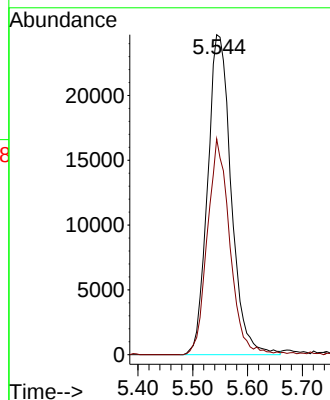
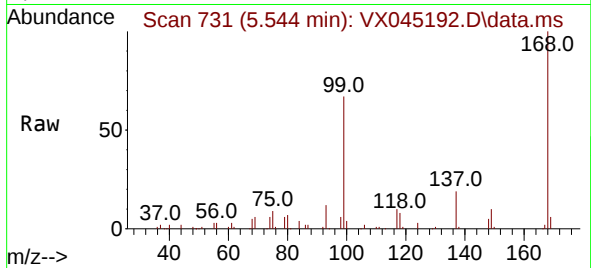




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

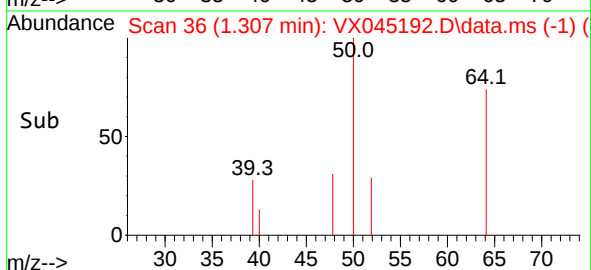
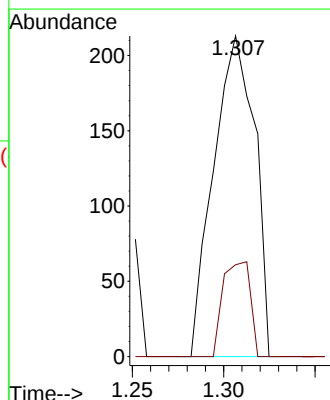
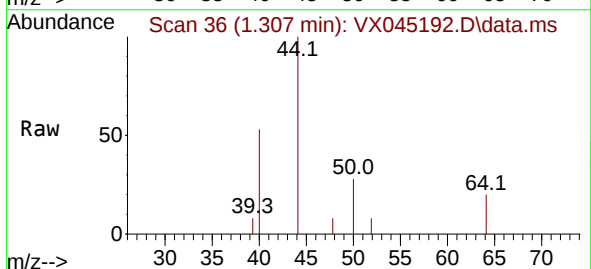
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 73643
Ion Ratio Lower Upper
168 100
99 67.4 48.2 72.4



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 28.6 25.0 37.4





#11

Tert butyl alcohol

Concen: 1.050 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

Instrument :

MSVOA_X

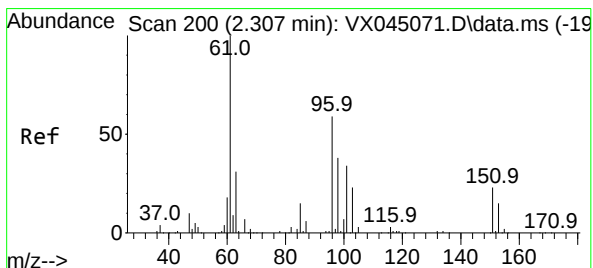
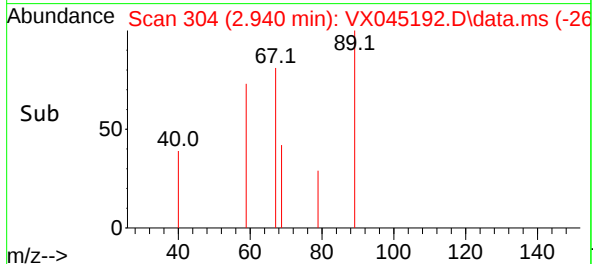
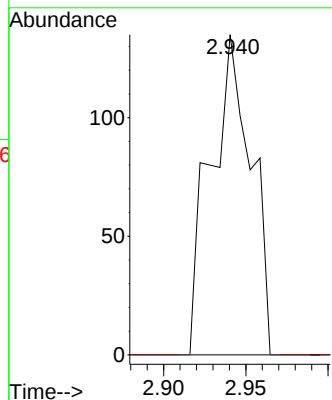
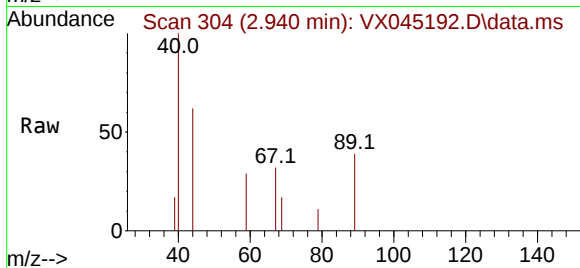
ClientSampleId :

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 2.732 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

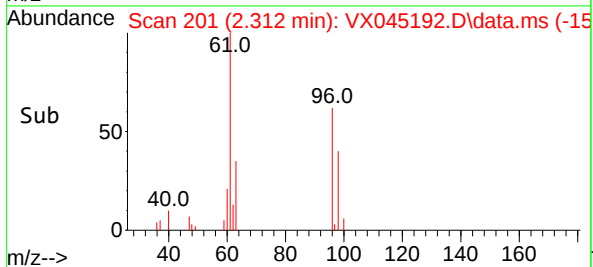
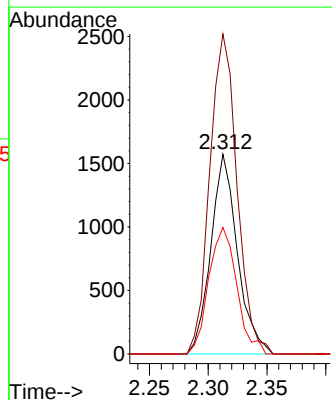
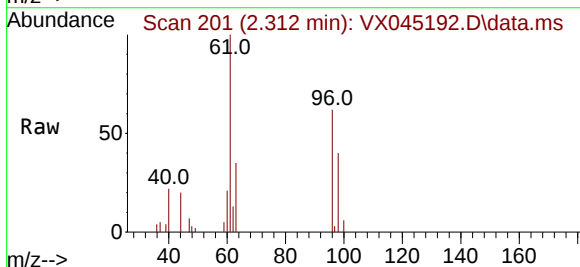
Tgt Ion: 96 Resp: 2472

Ion Ratio Lower Upper

96 100

61 160.2 134.6 202.0

98 63.3 51.0 76.6

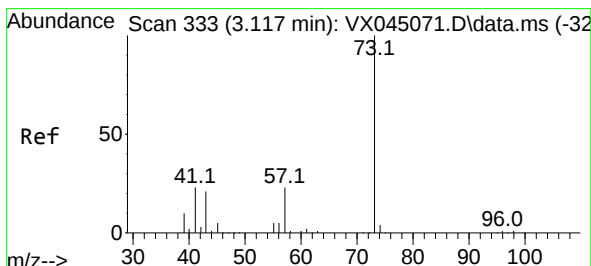
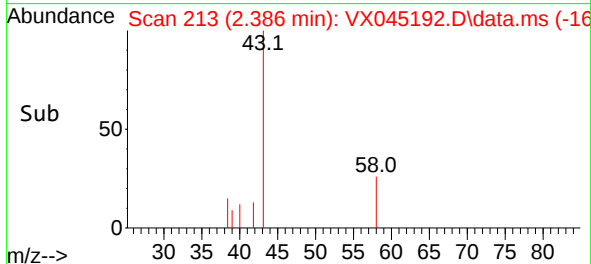
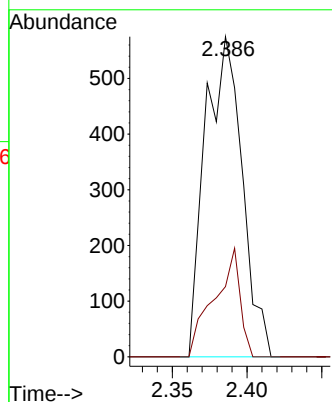
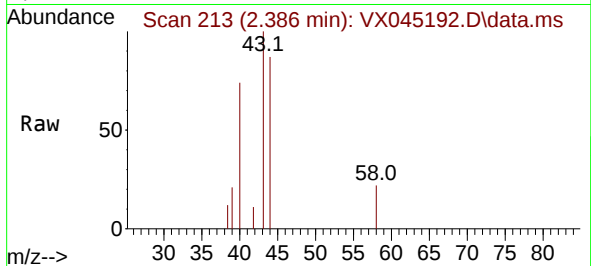




#16
Acetone
Concen: 1.818 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

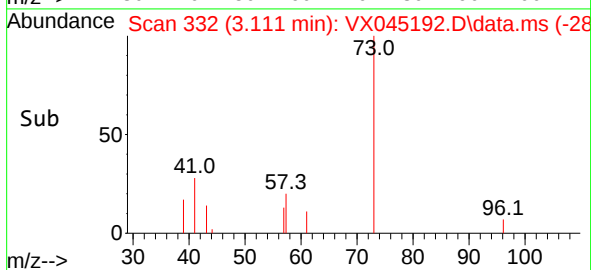
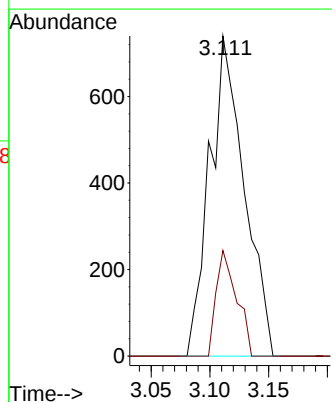
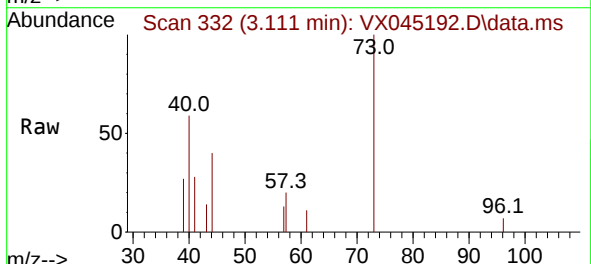
Instrument :
MSVOA_X
ClientSampleId :

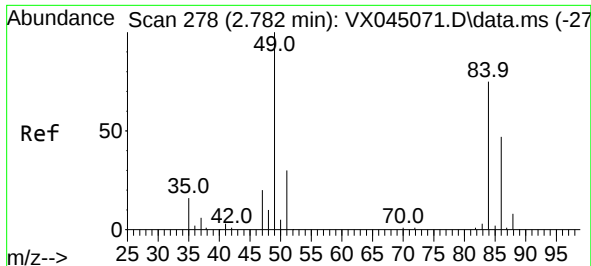
Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 21.9 24.2 36.4#



#19
Methyl tert-butyl Ether
Concen: 0.500 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 73 Resp: 1518
Ion Ratio Lower Upper
73 100
57 33.0 18.5 27.7#





#20

Methylene Chloride

Concen: 0.287 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 309

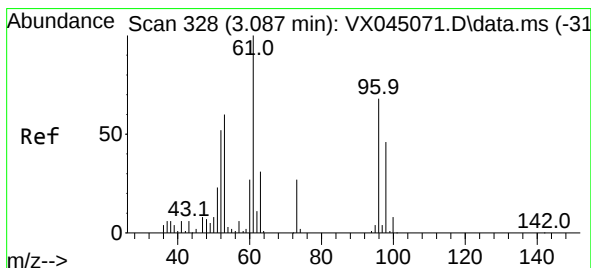
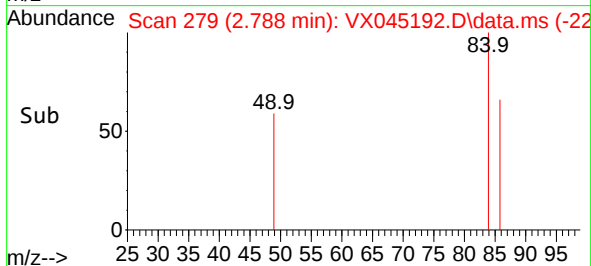
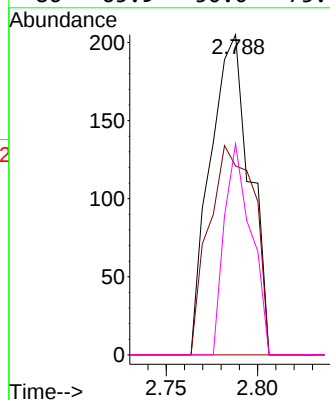
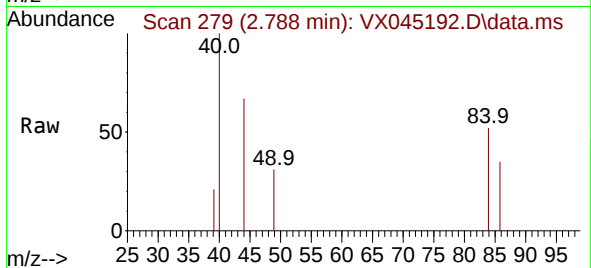
Ion Ratio Lower Upper

84 100

49 59.0 106.5 159.7#

51 0.0 32.1 48.1#

86 65.9 50.0 75.0



#21

trans-1,2-Dichloroethene

Concen: 0.365 ug/l

RT: 3.087 min Scan# 328

Delta R.T. -0.000 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

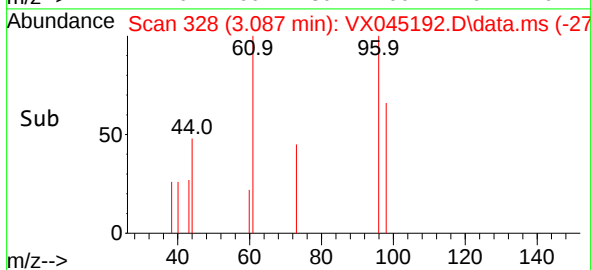
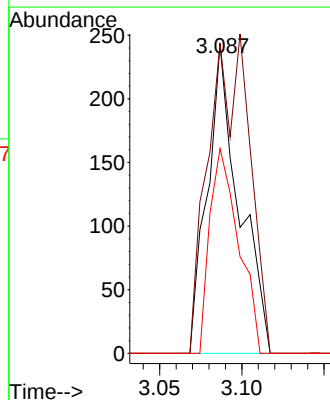
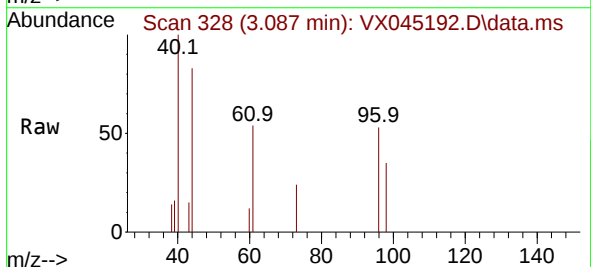
Tgt Ion: 96 Resp: 326

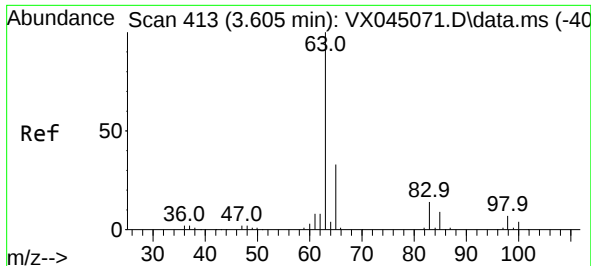
Ion Ratio Lower Upper

96 100

61 100.4 117.0 175.4#

98 66.3 53.4 80.2

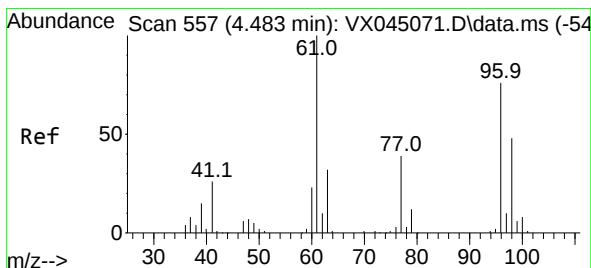
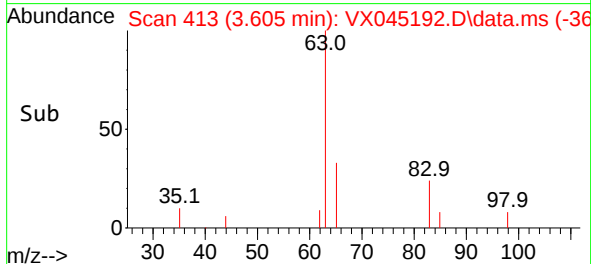
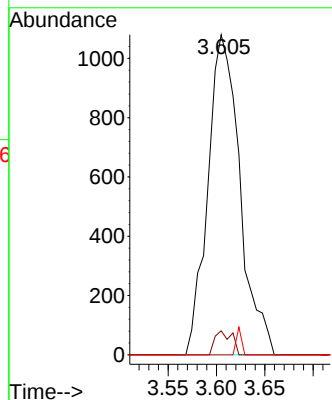
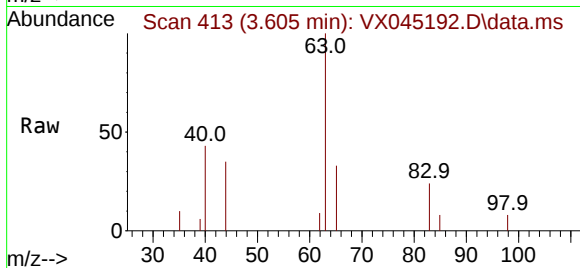




#24
 1,1-Dichloroethane
 Concen: 1.356 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX045192.D
 Acq: 10 Mar 2025 13:43

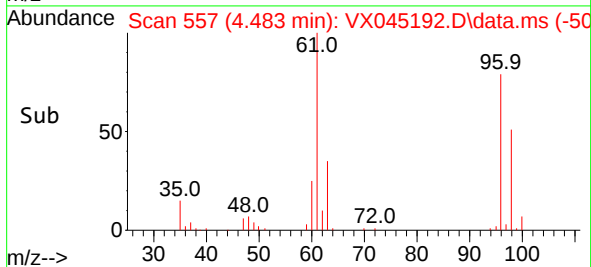
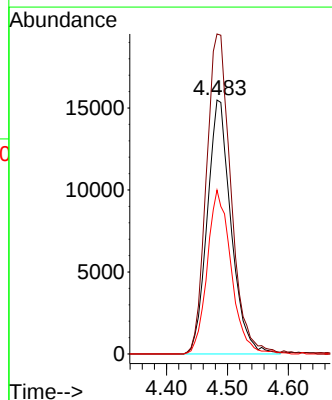
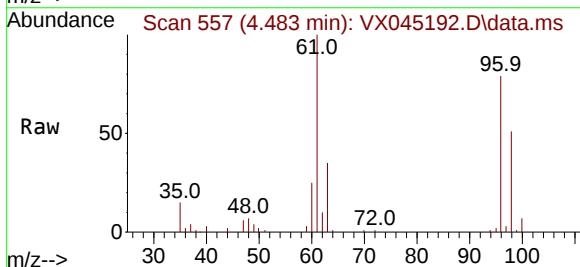
Instrument :
 MSVOA_X
 ClientSampleId :

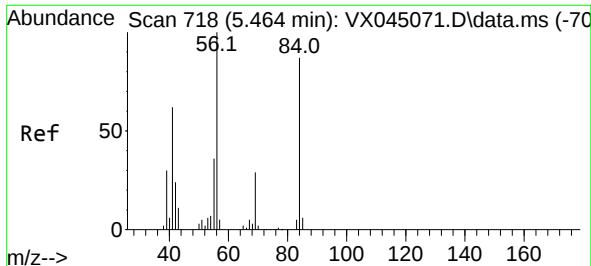
Tgt Ion: 63 Resp: 2489
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.2
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 38.068 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX045192.D
 Acq: 10 Mar 2025 13:43

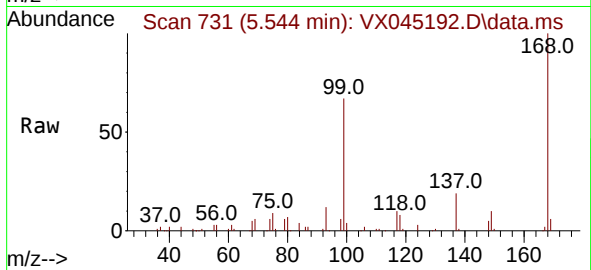
Tgt Ion: 96 Resp: 42012
 Ion Ratio Lower Upper
 96 100
 61 129.7 0.0 283.2
 98 64.9 0.0 128.0



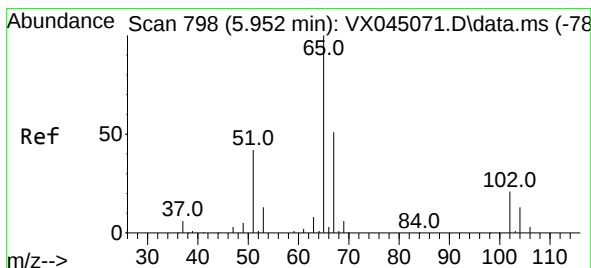
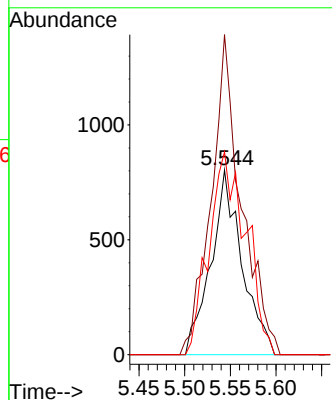
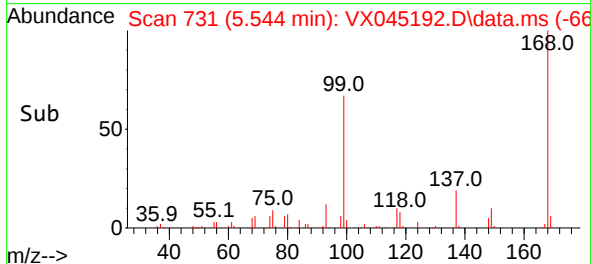


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :

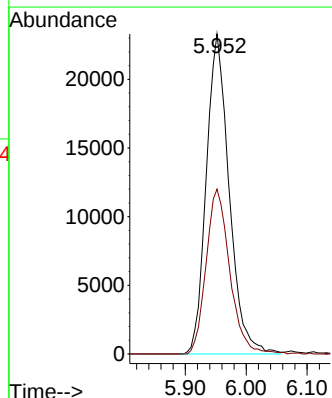
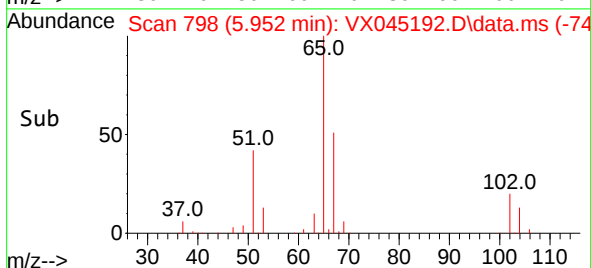
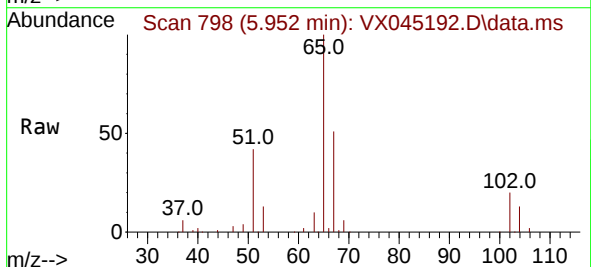


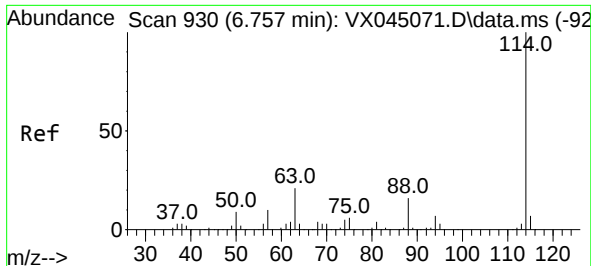
Tgt Ion: 56 Resp: 1898
Ion Ratio Lower Upper
56 100
69 173.3 23.4 35.2#
84 109.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 51.873 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 65 Resp: 60764
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2

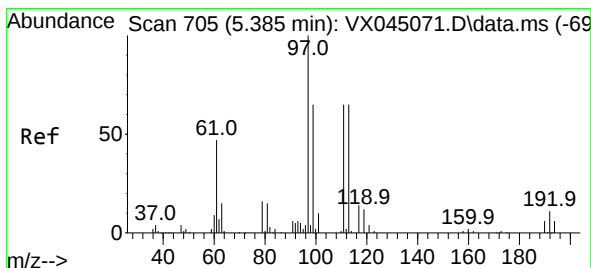
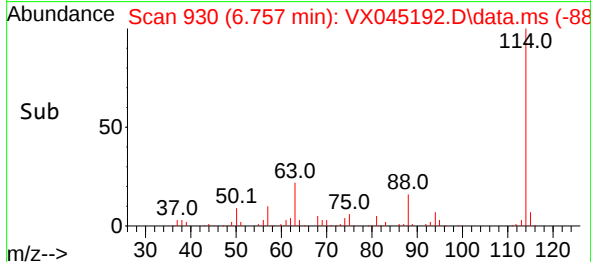
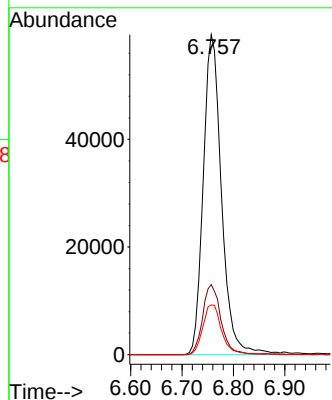
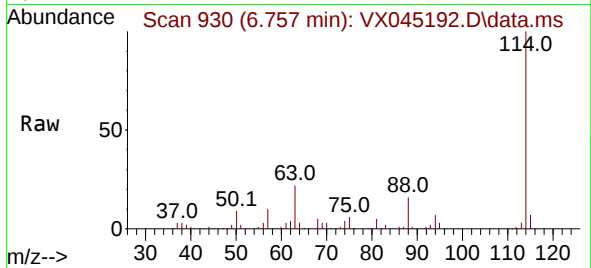




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

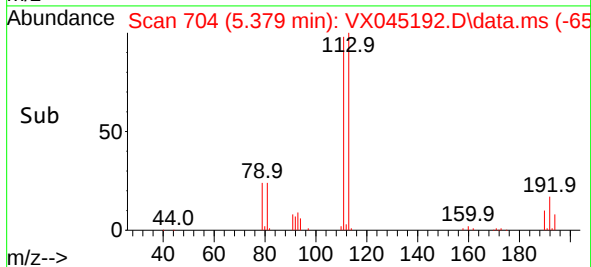
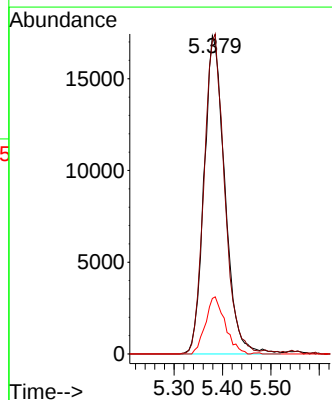
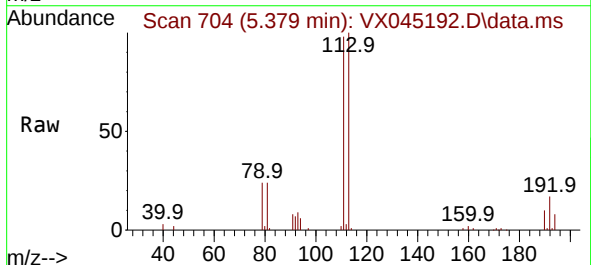
Instrument :
MSVOA_X
ClientSampleId :

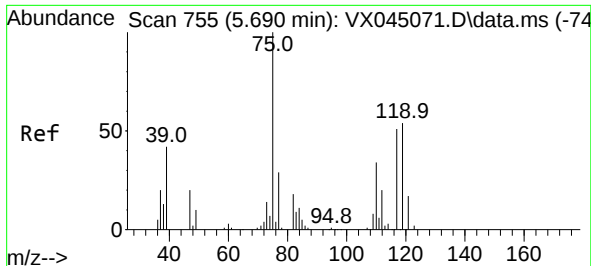
Tgt Ion:114 Resp: 146508
Ion Ratio Lower Upper
114 100
63 21.9 0.0 41.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.821 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion:113 Resp: 51747
Ion Ratio Lower Upper
113 100
111 99.0 81.8 122.6
192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

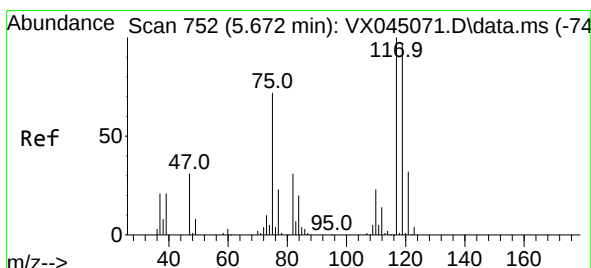
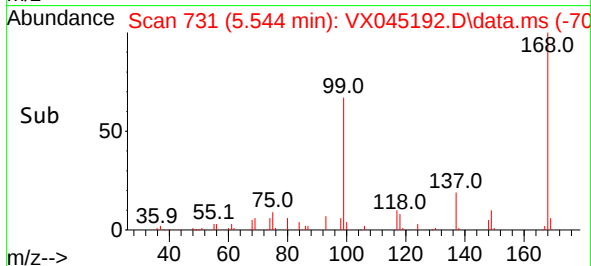
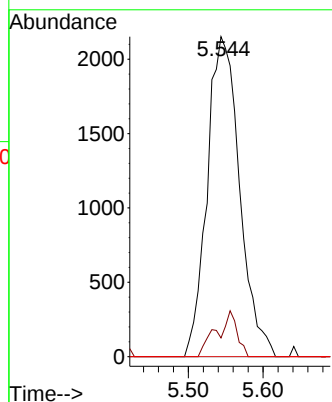
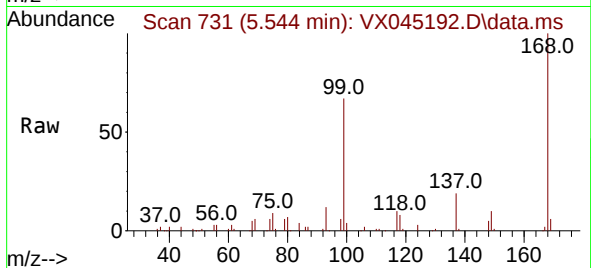
Tgt Ion: 75 Resp: 6485

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045192.D

Acq: 10 Mar 2025 13:43

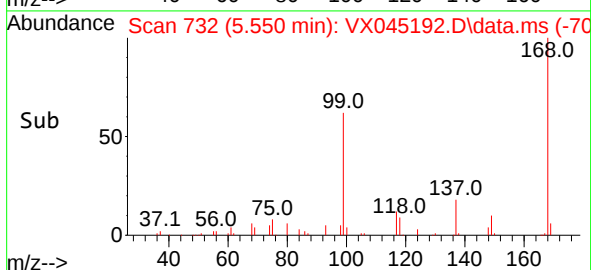
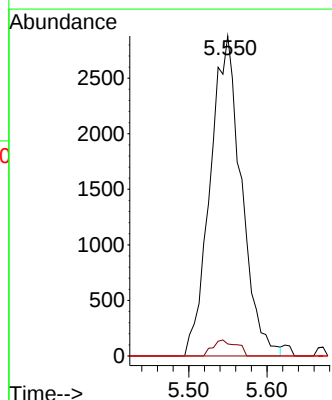
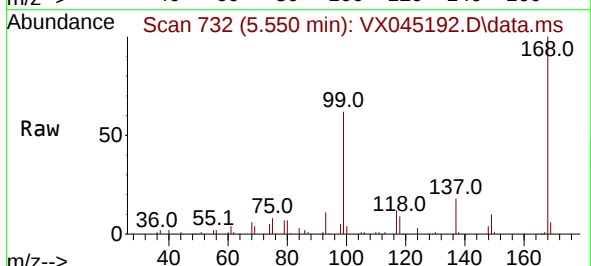
Tgt Ion: 117 Resp: 7978

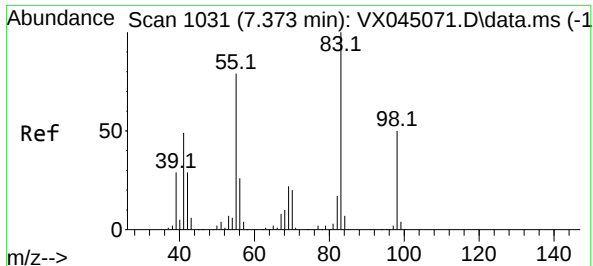
Ion Ratio Lower Upper

117 100

119 3.8 76.7 115.1#

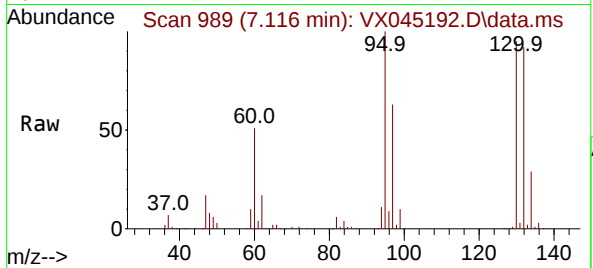
121 0.0 25.5 38.3#



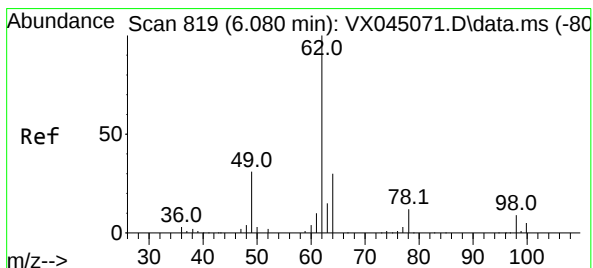
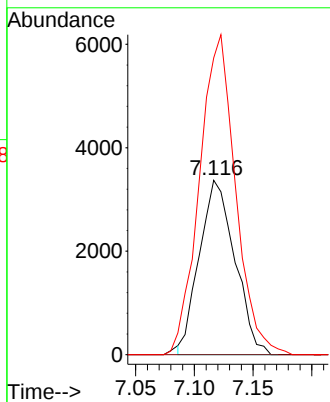
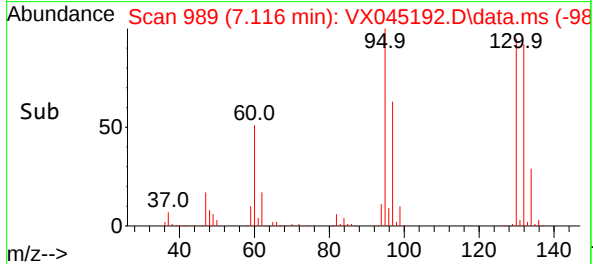


#39
Methylcyclohexane
Concen: 4.404 ug/l
RT: 7.116 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :

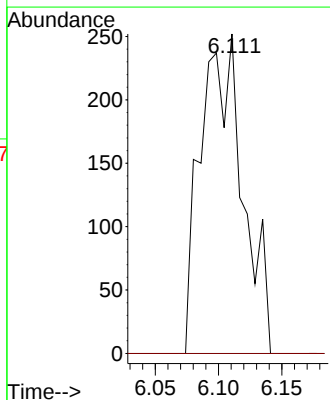
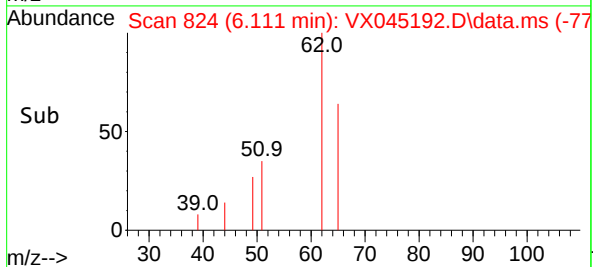
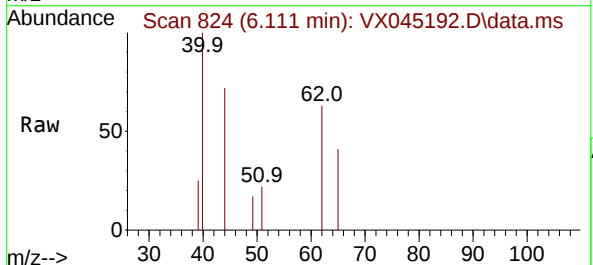


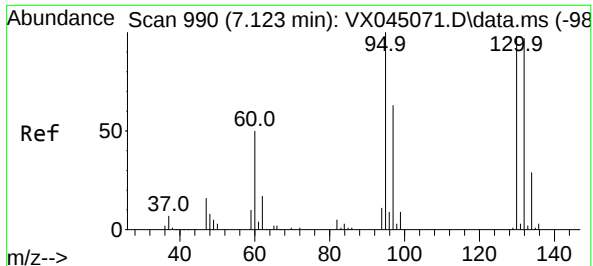
Tgt Ion: 83 Resp: 7090
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 166.9 39.7 59.5#



#42
1,2-Dichloroethane
Concen: 0.382 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.030 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 62 Resp: 583
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

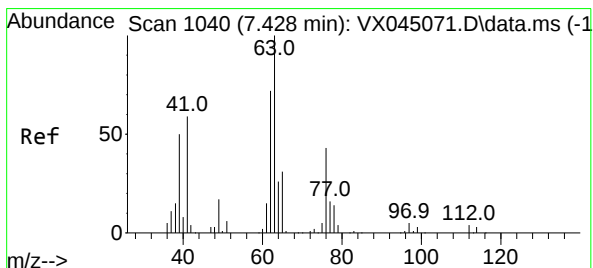
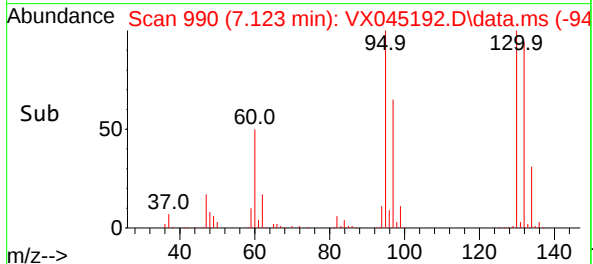
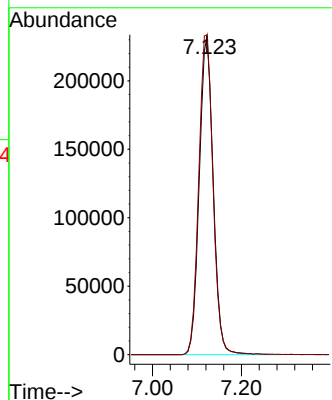
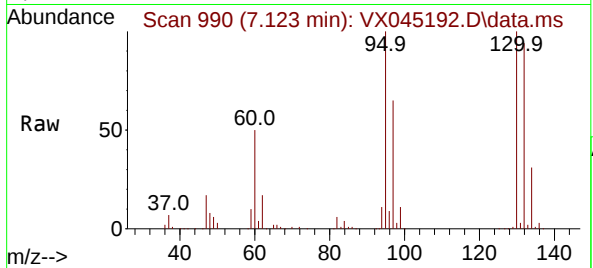




#44
Trichloroethene
Concen: 510.108 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

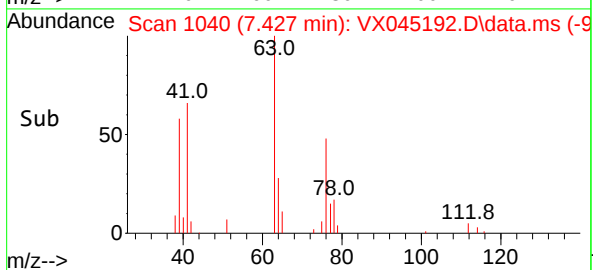
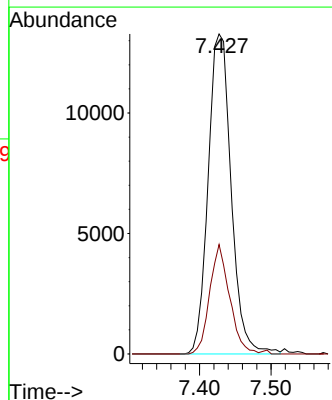
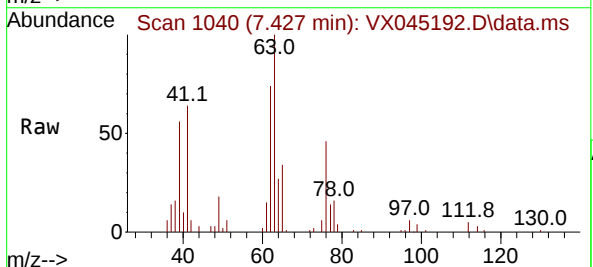
Instrument :
MSVOA_X
ClientSampleId :

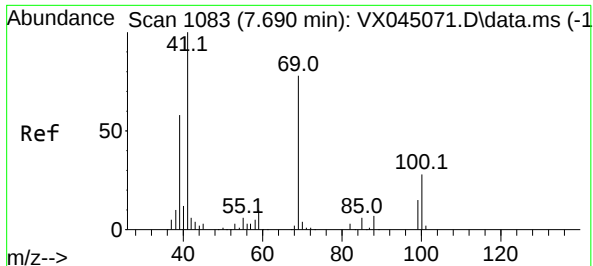
Tgt Ion:130 Resp: 508156
Ion Ratio Lower Upper
130 100
95 100.4 0.0 205.0



#45
1,2-Dichloropropane
Concen: 27.235 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 63 Resp: 29707
Ion Ratio Lower Upper
63 100
65 34.2 24.7 37.1

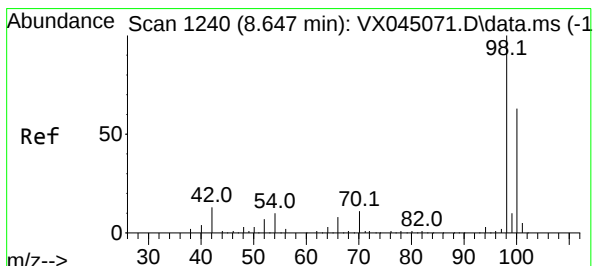
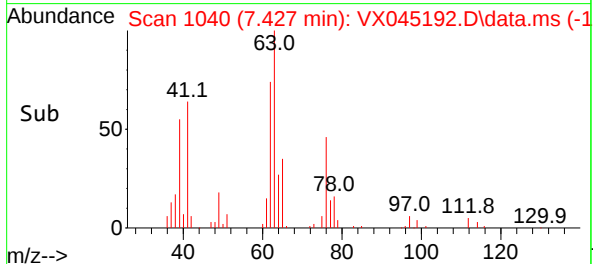
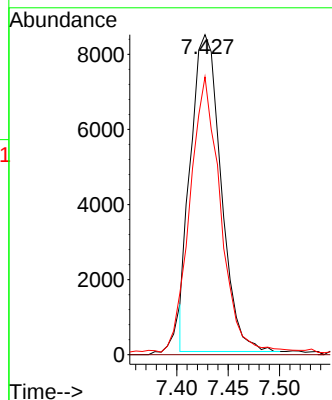
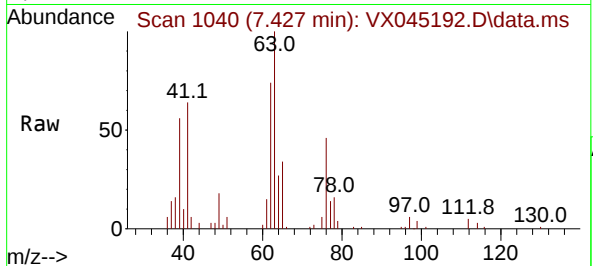




#48
Methyl methacrylate
Concen: 13.455 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.262 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

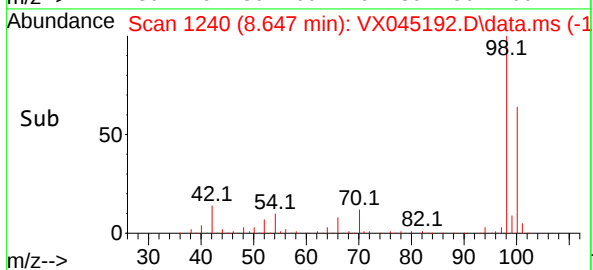
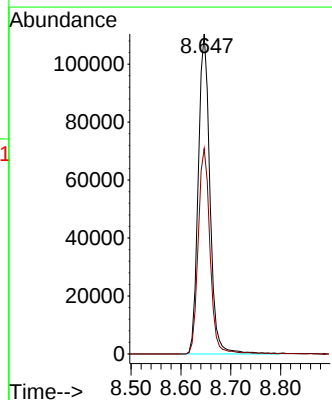
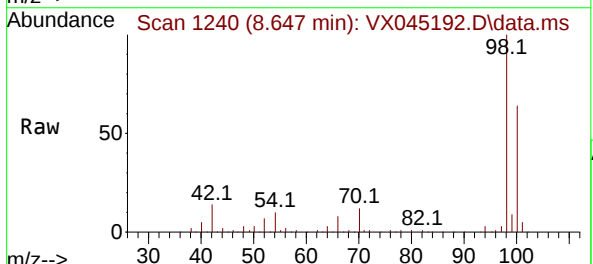
Instrument :
MSVOA_X
ClientSampleId :

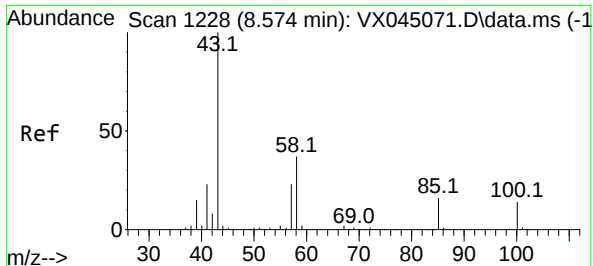
Tgt Ion: 41 Resp: 17280
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 80.8 47.5 71.3#



#50
Toluene-d8
Concen: 50.416 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 98 Resp: 179058
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

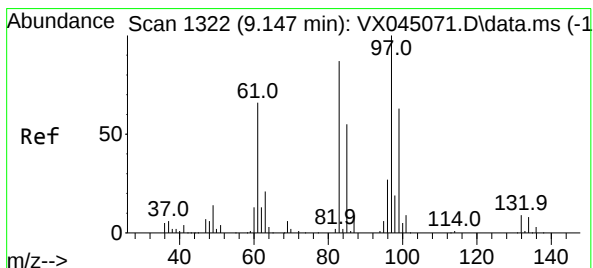
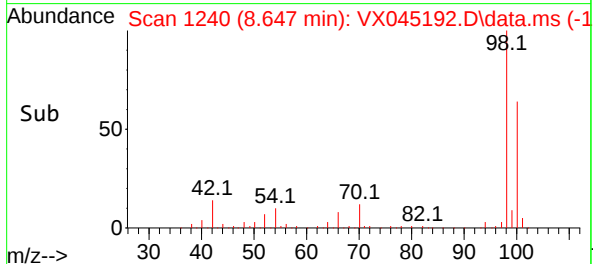
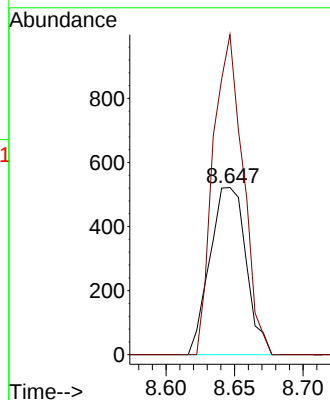
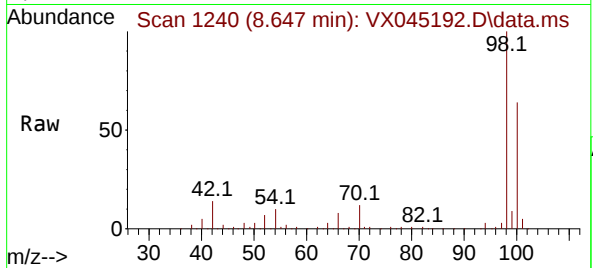




#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

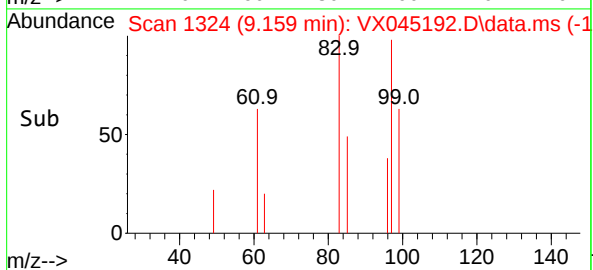
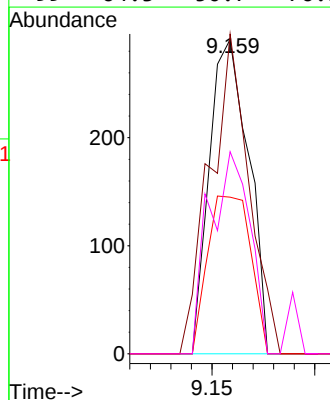
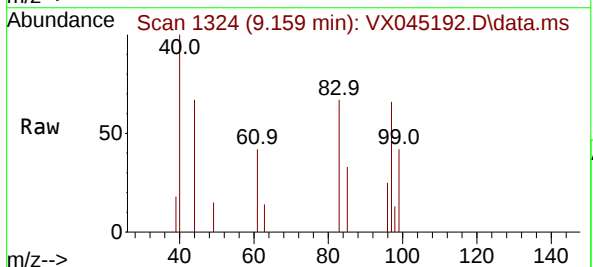
Instrument :
MSVOA_X
ClientSampleId :

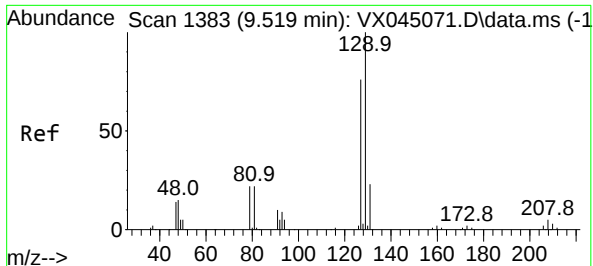
Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 157.9 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.376 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 97 Resp: 385
Ion Ratio Lower Upper
97 100
83 101.7 69.4 104.2
85 49.8 44.1 66.1
99 64.3 50.7 76.1

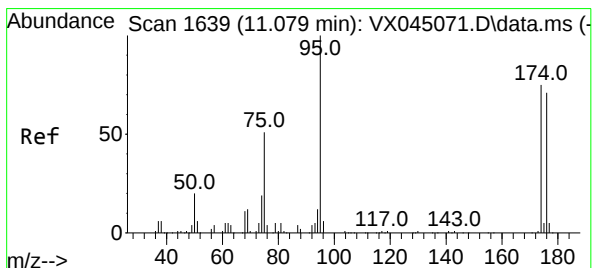
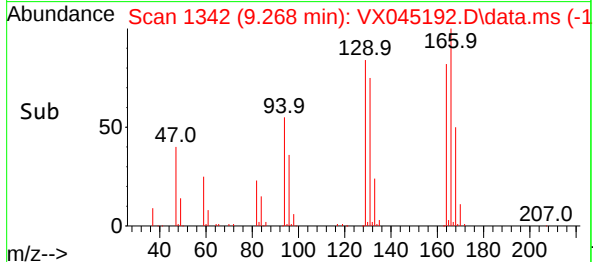
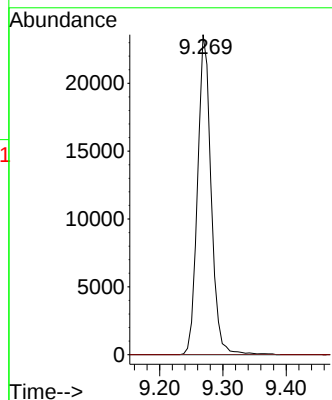
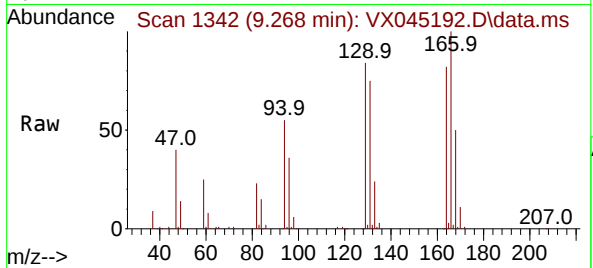




#60
Dibromochloromethane
Concen: 32.860 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

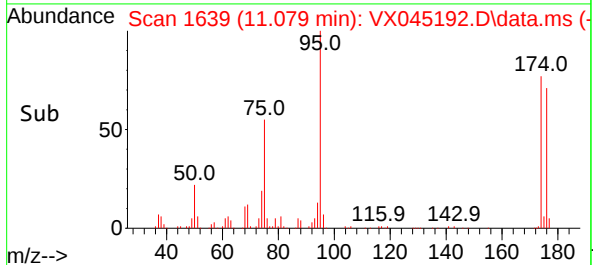
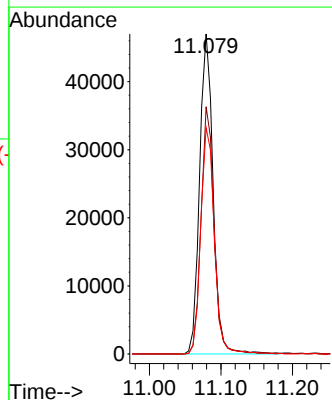
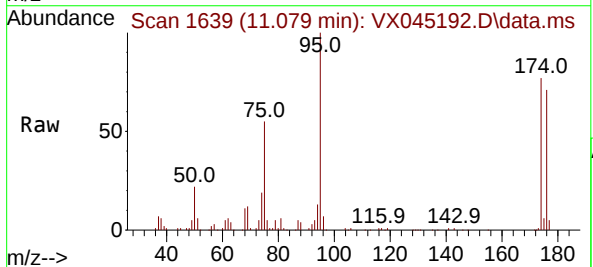
Instrument :
MSVOA_X
ClientSampleId :

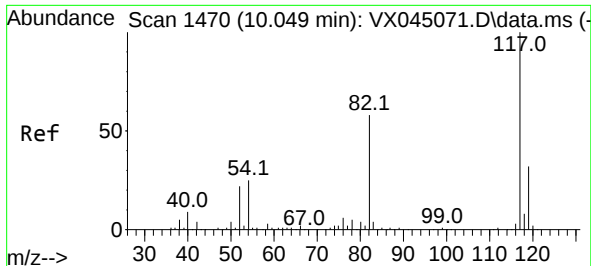
Tgt Ion:129 Resp: 35208
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 95 Resp: 61540
Ion Ratio Lower Upper
95 100
174 74.8 0.0 148.2
176 71.3 0.0 141.4

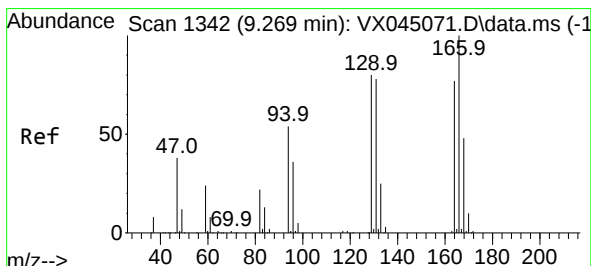
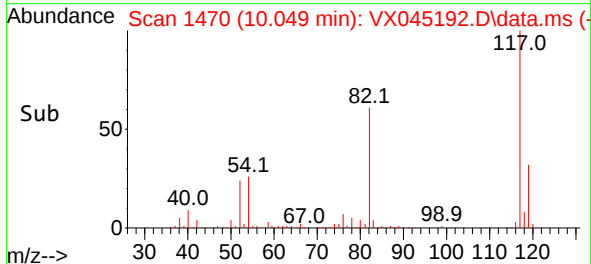
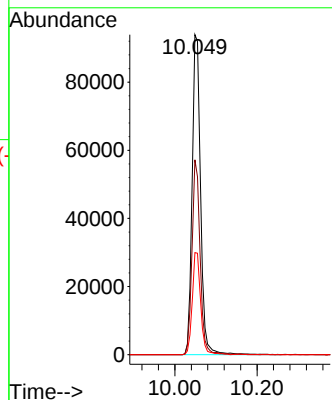
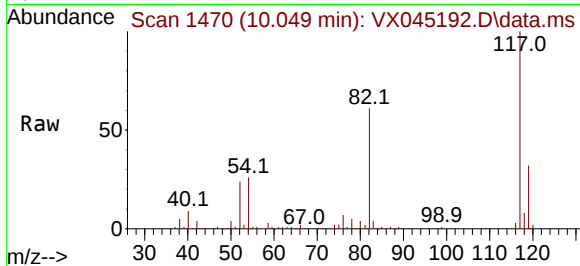




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

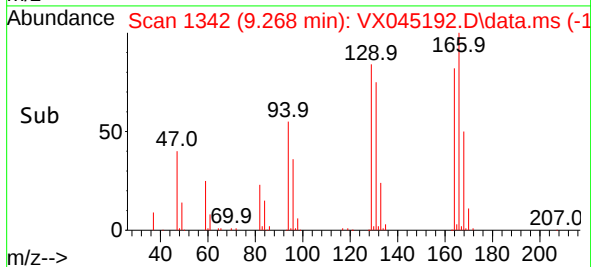
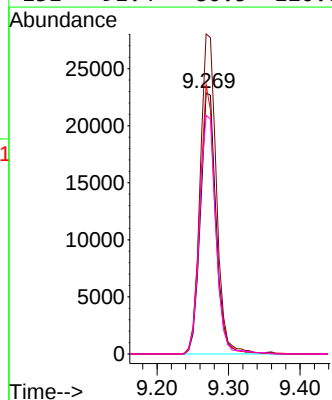
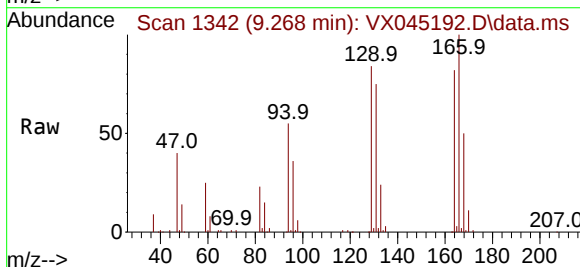
Instrument :
MSVOA_X
ClientSampleId :

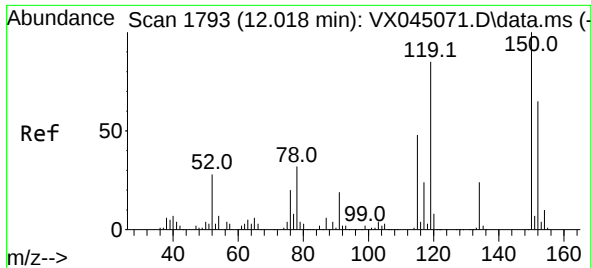
Tgt Ion:117 Resp: 133838
Ion Ratio Lower Upper
117 100
82 60.9 46.3 69.5
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 40.590 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

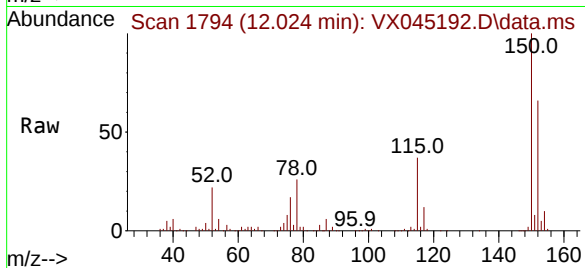
Tgt Ion:164 Resp: 34793
Ion Ratio Lower Upper
164 100
166 122.6 103.6 155.4
129 103.1 82.7 124.1
131 91.4 80.5 120.7



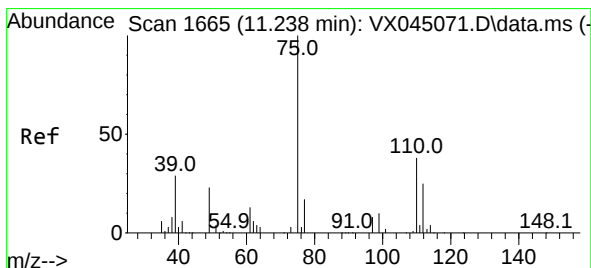
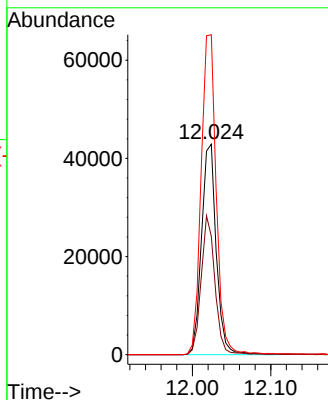
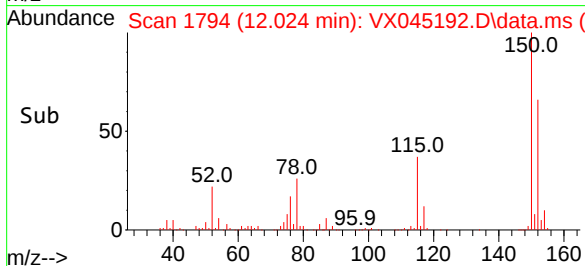


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.006 min
 Lab File: VX045192.D
 Acq: 10 Mar 2025 13:43

Instrument :
 MSVOA_X
 ClientSampleId :

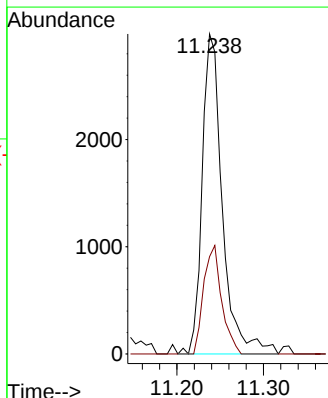
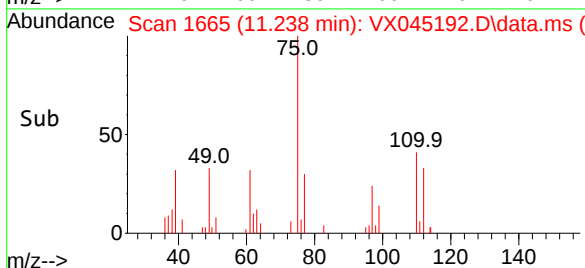
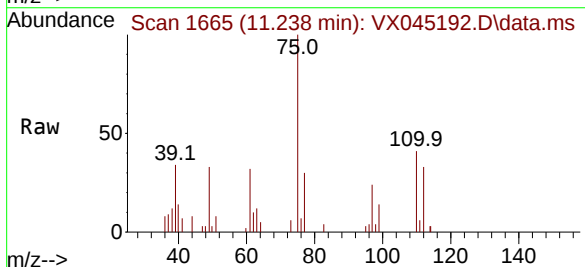


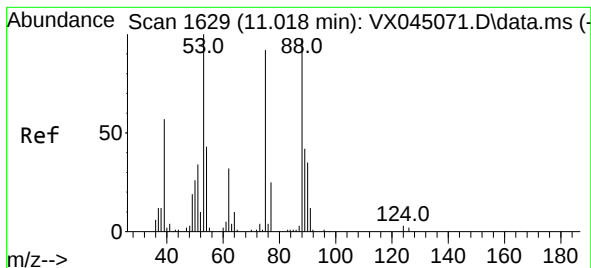
Tgt Ion:152 Resp: 56281
 Ion Ratio Lower Upper
 152 100
 115 61.5 44.2 132.6
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 3.684 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. -0.000 min
 Lab File: VX045192.D
 Acq: 10 Mar 2025 13:43

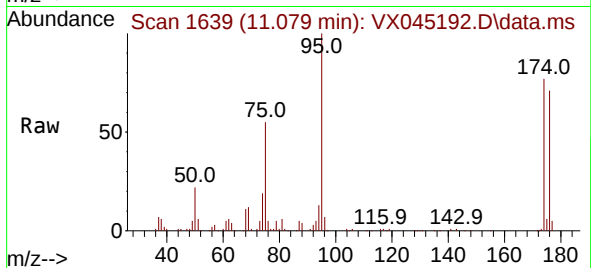
Tgt Ion: 75 Resp: 4826
 Ion Ratio Lower Upper
 75 100
 77 30.2 20.7 62.1





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.457 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045192.D
 Acq: 10 Mar 2025 13:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33477
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

