

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044552.D
 Acq On : 30 Dec 2024 18:28
 Operator : JC/MD
 Sample : P5376-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20241218

Quant Time: Dec 31 00:35:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

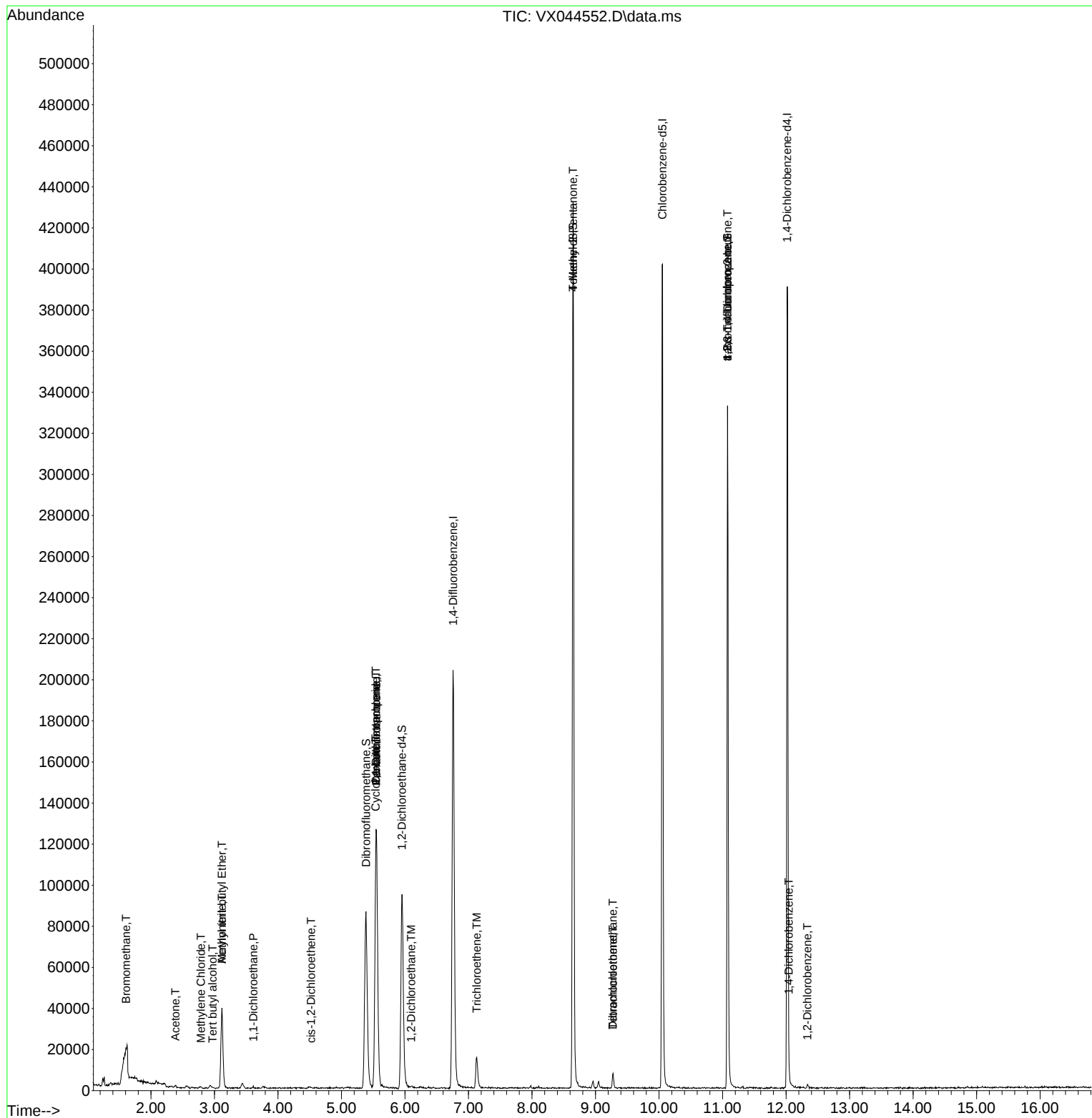
Internal Standards						
1) Pentafluorobenzene	5.550	168	121289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92116	43.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.640%
35) Dibromofluoromethane	5.385	113	72576	50.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.160%
50) Toluene-d8	8.647	98	255239	52.202	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.400%
62) 4-Bromofluorobenzene	11.079	95	85478	50.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.060%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	386	0.291	ug/l #	45
11) Tert butyl alcohol	2.971	59	156	0.520	ug/l #	71
15) Acrylonitrile	3.117	53	481	0.579	ug/l #	8
16) Acetone	2.386	43	886	1.022	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	39855	7.512	ug/l	97
20) Methylene Chloride	2.788	84	344	0.211	ug/l #	56
24) 1,1-Dichloroethane	3.611	63	646	0.227	ug/l #	82
27) cis-1,2-Dichloroethene	4.519	96	401	0.219	ug/l #	1
31) Cyclohexane	5.537	56	3027	1.319	ug/l #	23
36) 1,1-Dichloropropene	5.543	75	9770	5.215	ug/l #	51
38) Carbon Tetrachloride	5.543	117	12845	6.369	ug/l #	18
42) 1,2-Dichloroethane	6.098	62	798	0.341	ug/l #	78
44) Trichloroethene	7.129	130	5957	4.200	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1447	0.622	ug/l #	1
60) Dibromochloromethane	9.275	129	1354	2.150	ug/l #	11
64) Tetrachloroethene	9.275	164	1442	1.170	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	45593	24.824	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	45593	68.776	ug/l #	4
88) 1,4-Dichlorobenzene	12.042	146	818	0.298	ug/l #	62
91) 1,2-Dichlorobenzene	12.335	146	720	0.260	ug/l	94

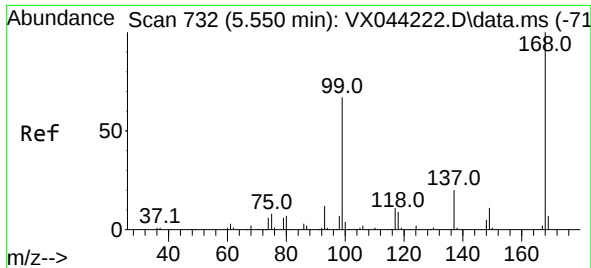
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
TT149S1-20241218

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

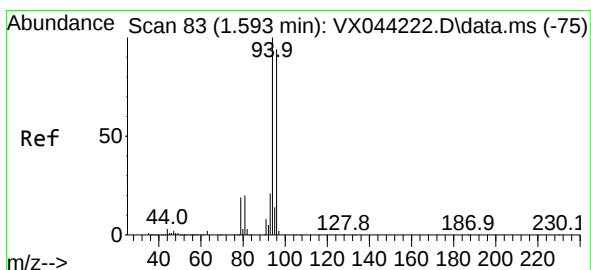
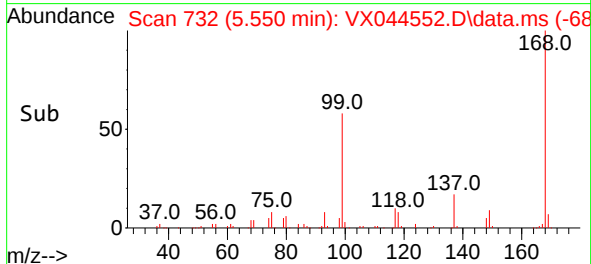
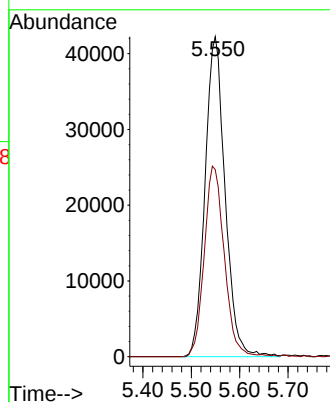
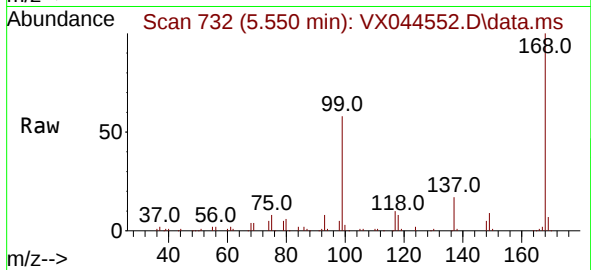




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

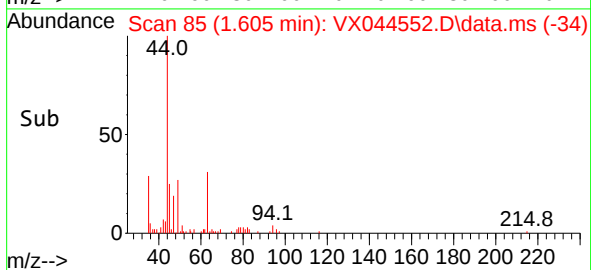
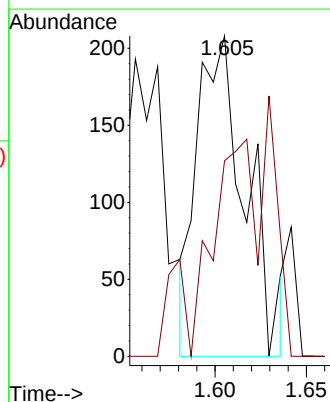
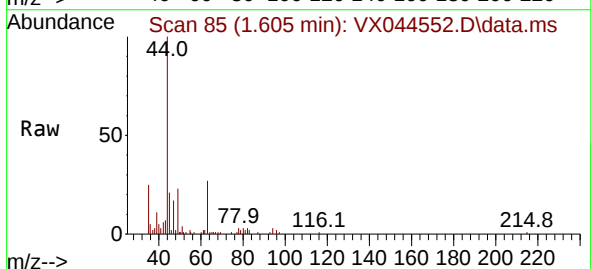
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

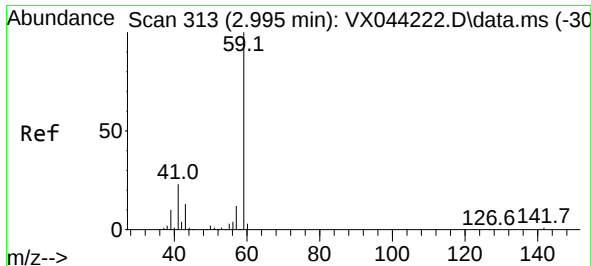
Tgt Ion:168 Resp: 121289
Ion Ratio Lower Upper
168 100
99 58.5 53.4 80.0



#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 41.0 74.9 112.3#





#11

Tert butyl alcohol

Concen: 0.520 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.025 min

Lab File: VX044552.D

Acq: 30 Dec 2024 18:28

Instrument :

MSVOA_X

ClientSampleId :

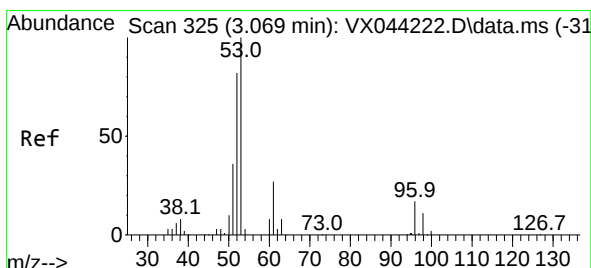
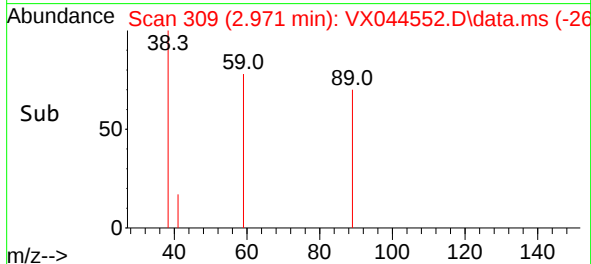
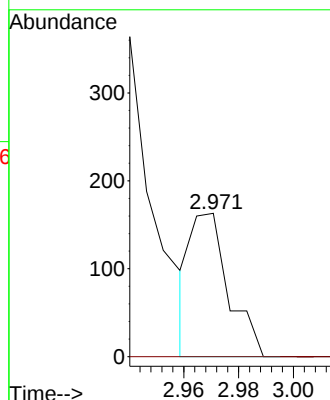
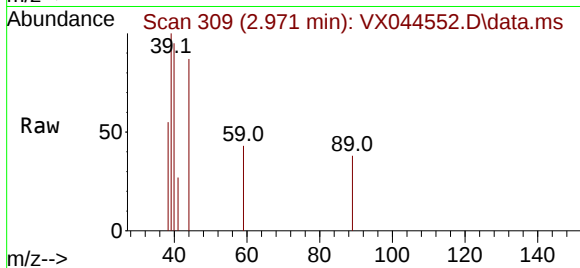
TT149S1-20241218

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#15

Acrylonitrile

Concen: 0.579 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.048 min

Lab File: VX044552.D

Acq: 30 Dec 2024 18:28

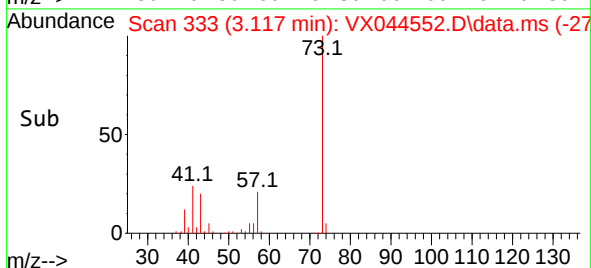
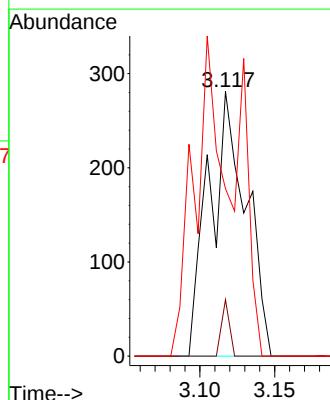
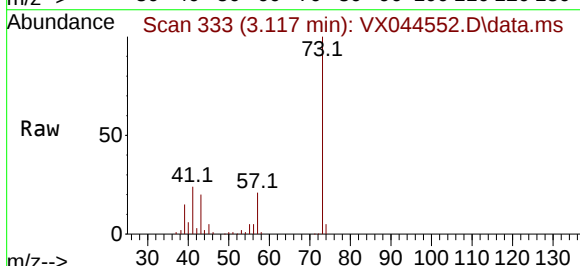
Tgt Ion: 53 Resp: 481

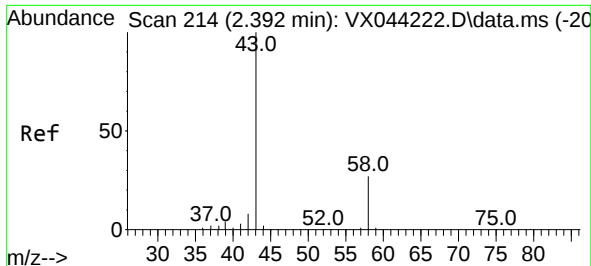
Ion Ratio Lower Upper

53 100

52 4.6 67.4 101.0#

51 98.8 30.3 45.5#

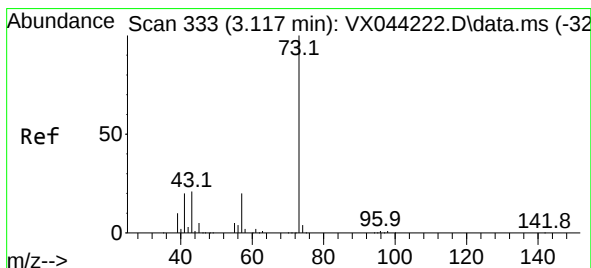
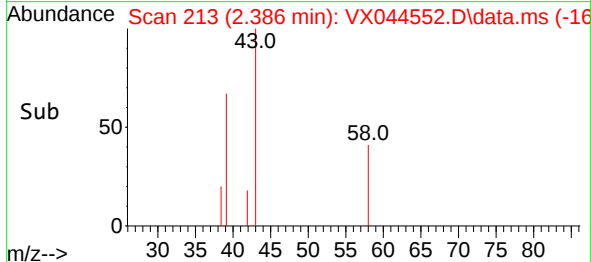
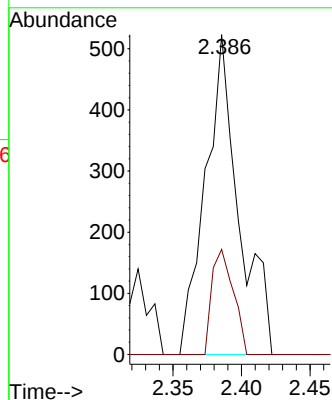
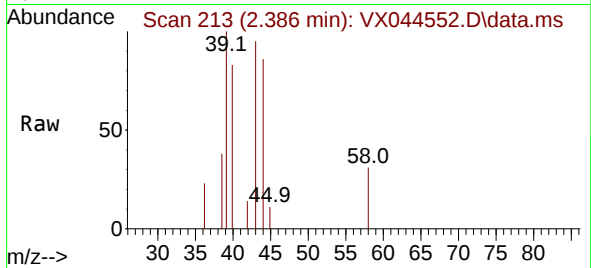




#16
Acetone
Concen: 1.022 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

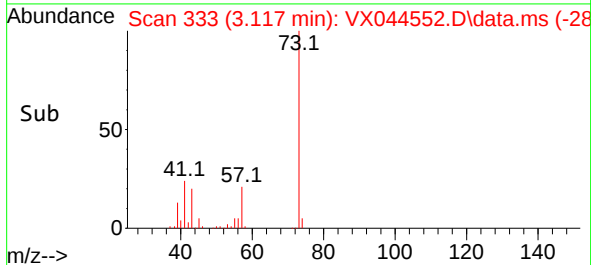
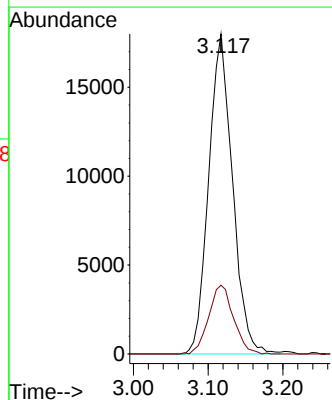
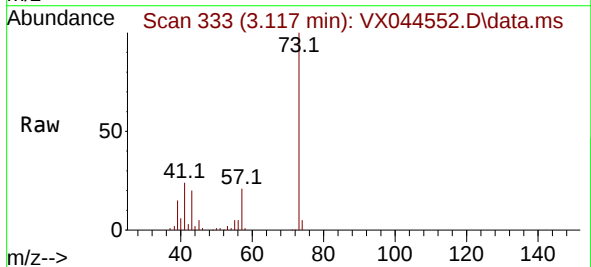
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

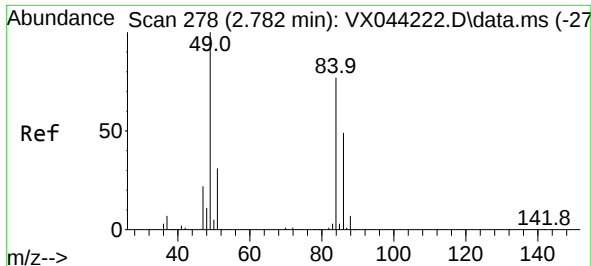
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 32.9 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 7.512 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

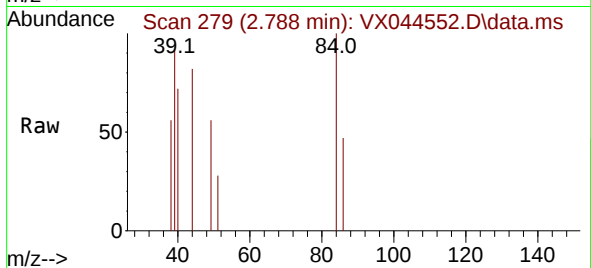
Tgt Ion: 73 Resp: 39855
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.4



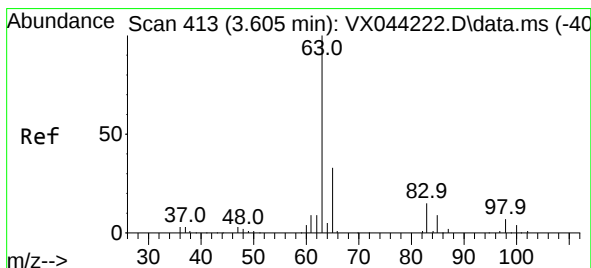
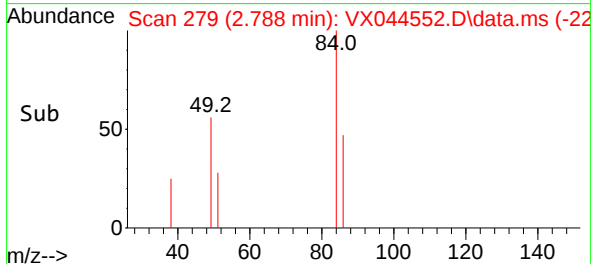
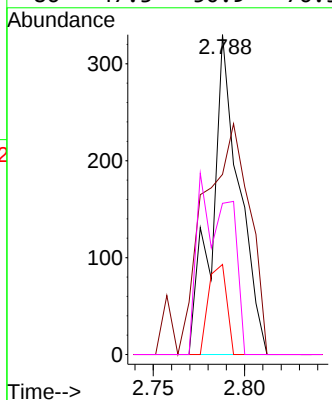


#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

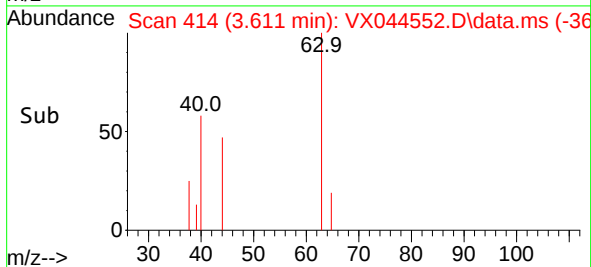
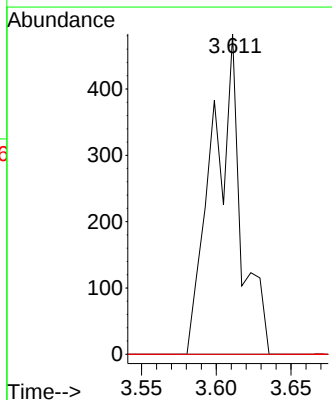
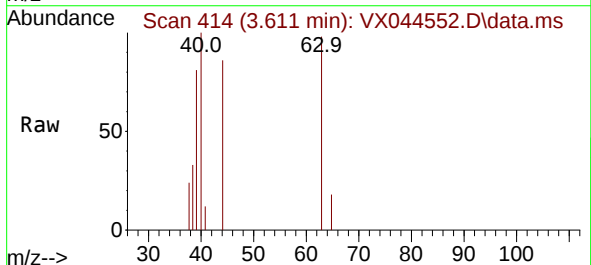


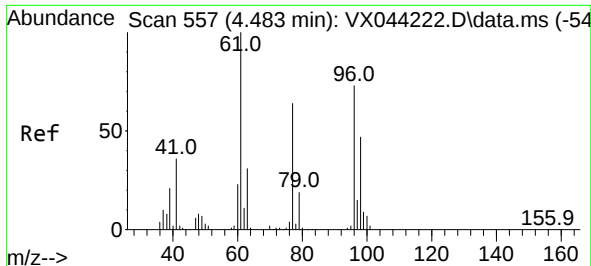
Tgt Ion:	84	Resp:	344
Ion	Ratio	Lower	Upper
84	100		
49	56.4	104.2	156.4#
51	28.2	32.2	48.4#
86	47.3	50.9	76.3#



#24
1,1-Dichloroethane
Concen: 0.227 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:	63	Resp:	646
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.1	6.3#





#27

cis-1,2-Dichloroethene

Concen: 0.219 ug/l

RT: 4.519 min Scan# 50

Delta R.T. 0.036 min

Lab File: VX044552.D

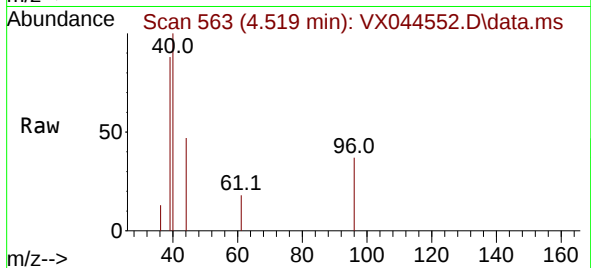
Acq: 30 Dec 2024 18:28

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20241218



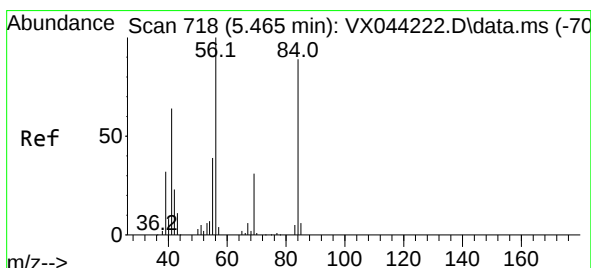
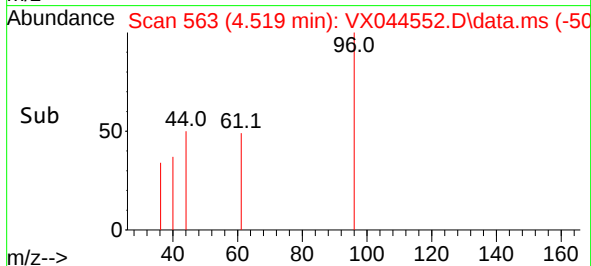
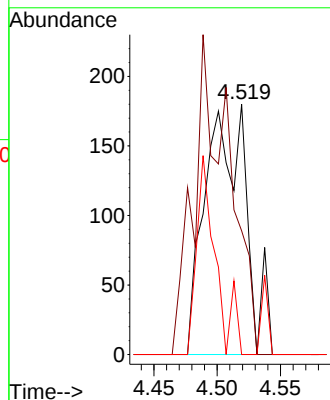
Tgt Ion: 96 Resp: 401

Ion Ratio Lower Upper

96 100

61 0.0 0.0 299.0

98 5.2 0.0 129.0



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044552.D

Acq: 30 Dec 2024 18:28

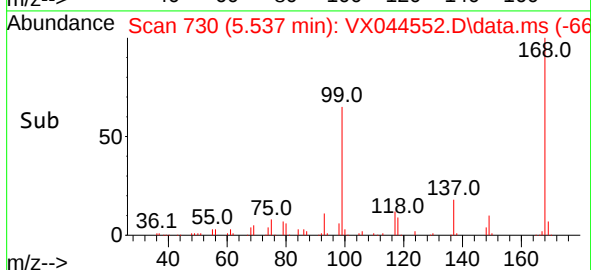
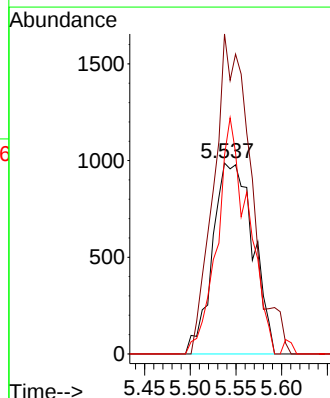
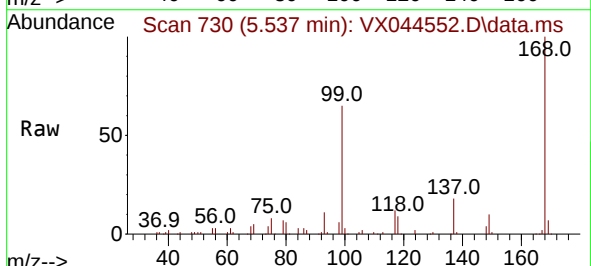
Tgt Ion: 56 Resp: 3027

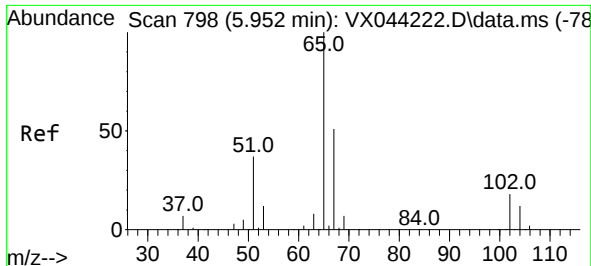
Ion Ratio Lower Upper

56 100

69 167.7 24.7 37.1#

84 104.2 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 43.316 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044552.D

Acq: 30 Dec 2024 18:28

Instrument :

MSVOA_X

ClientSampleId :

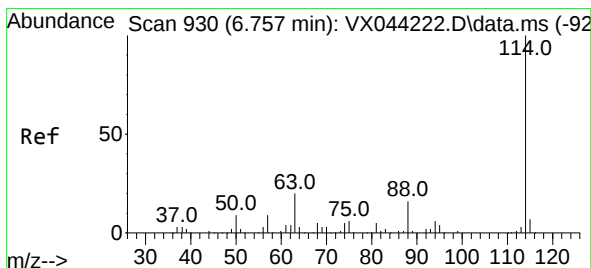
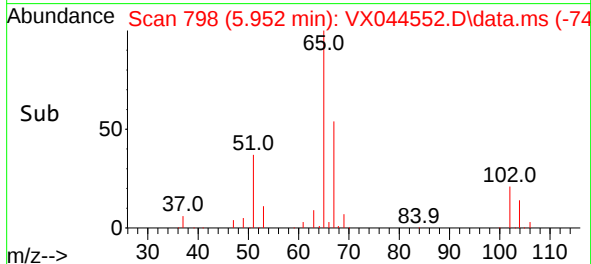
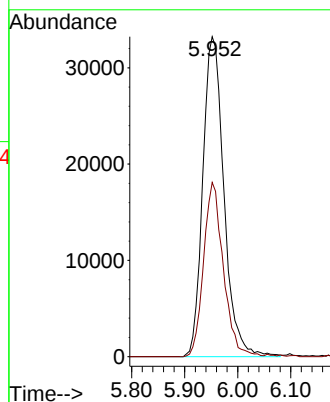
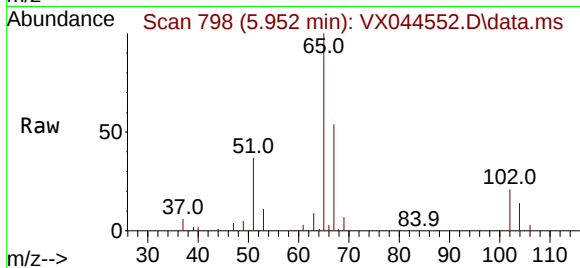
TT149S1-20241218

Tgt Ion: 65 Resp: 92116

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044552.D

Acq: 30 Dec 2024 18:28

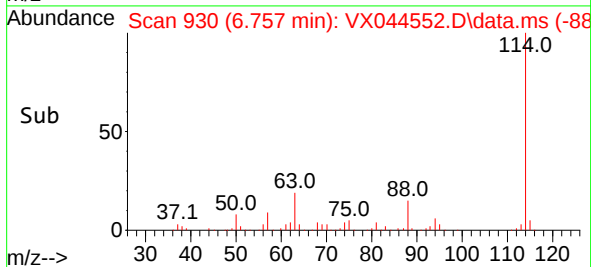
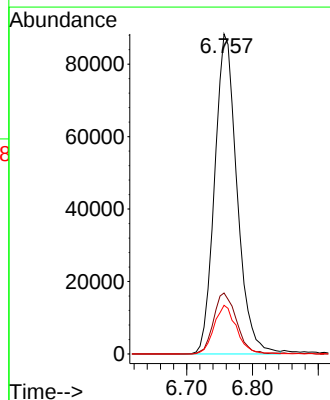
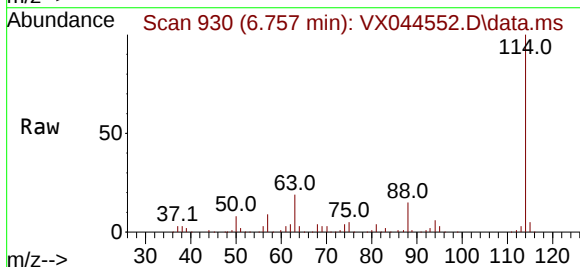
Tgt Ion: 114 Resp: 209255

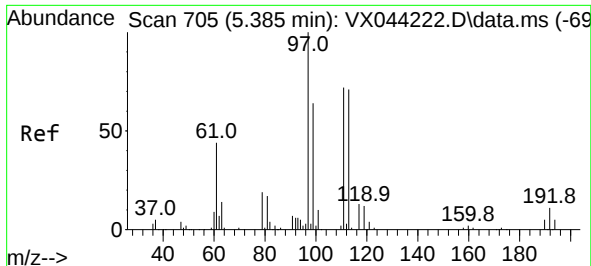
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

88 15.2 0.0 31.8

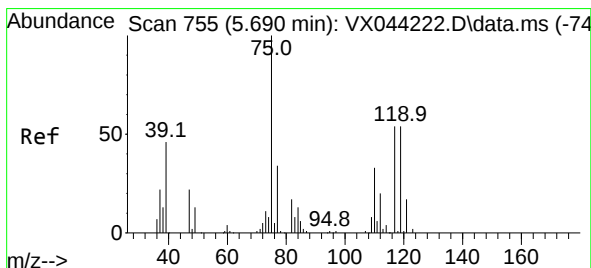
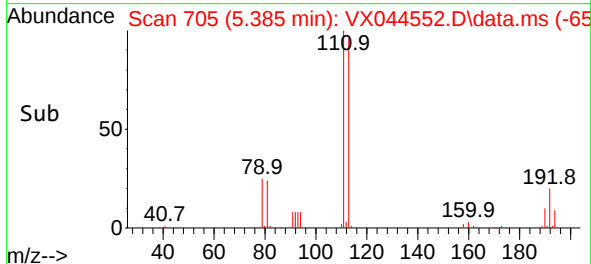
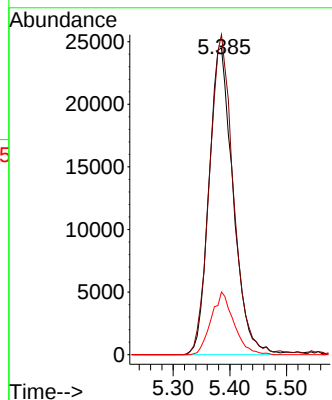
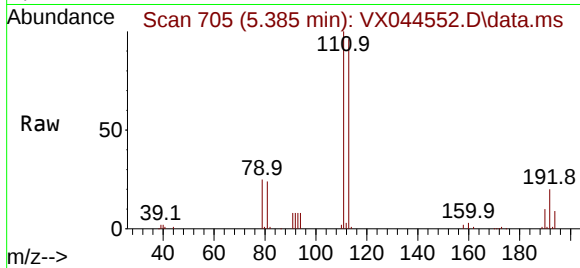




#35
Dibromofluoromethane
Concen: 50.077 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

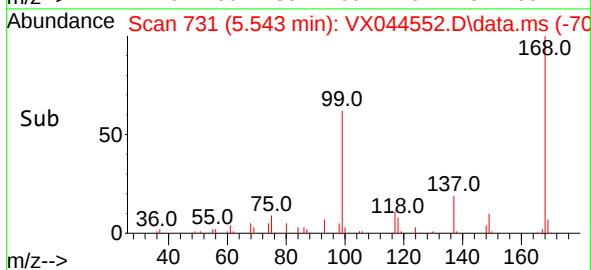
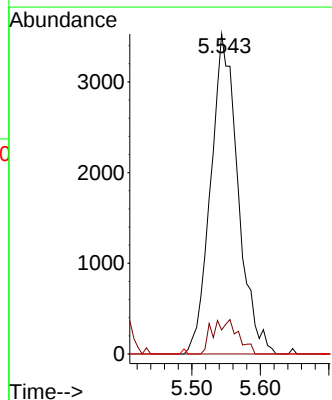
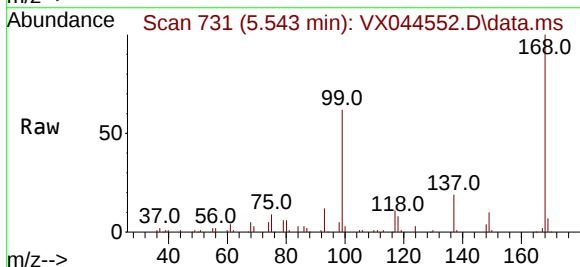
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

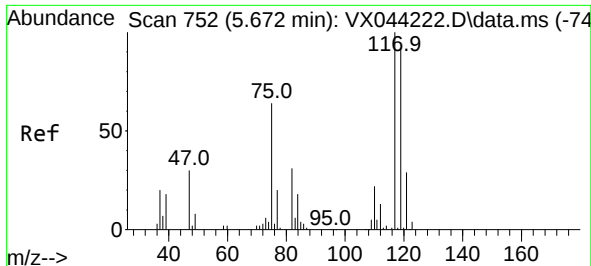
Tgt Ion:113 Resp: 72576
Ion Ratio Lower Upper
113 100
111 102.8 80.4 120.6
192 19.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

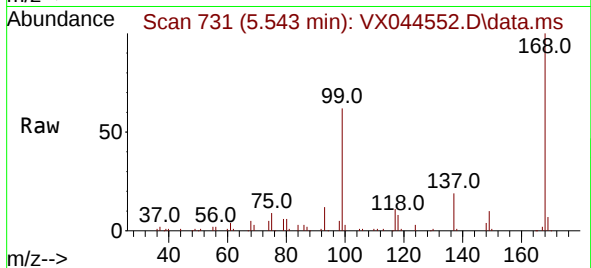
Tgt Ion: 75 Resp: 9770
Ion Ratio Lower Upper
75 100
110 10.1 17.3 51.7#
77 0.0 25.4 38.0#



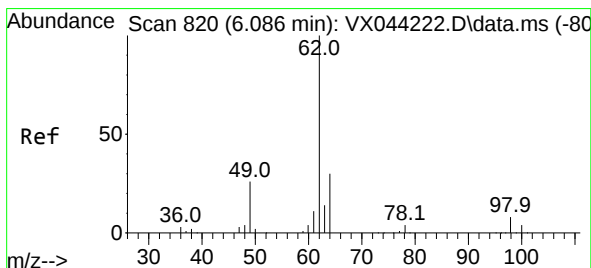
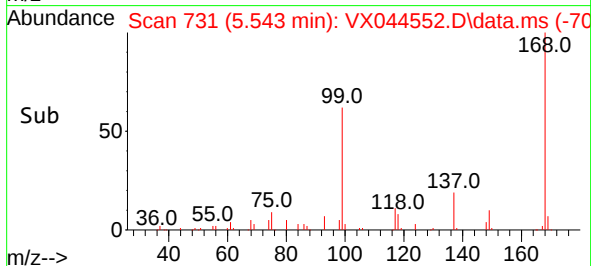
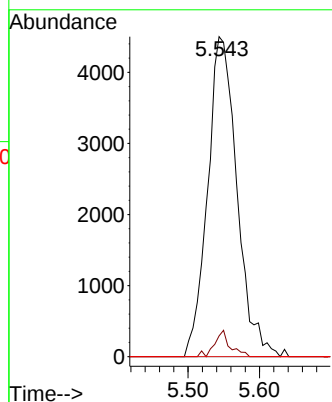


#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

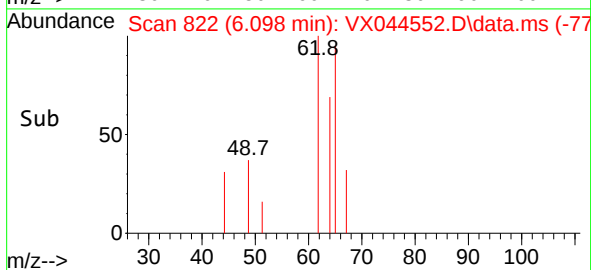
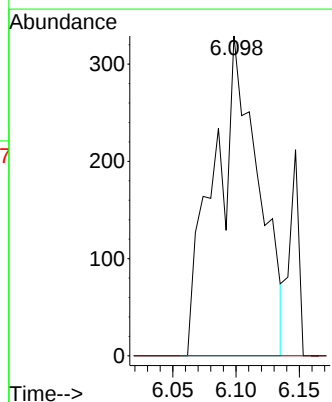
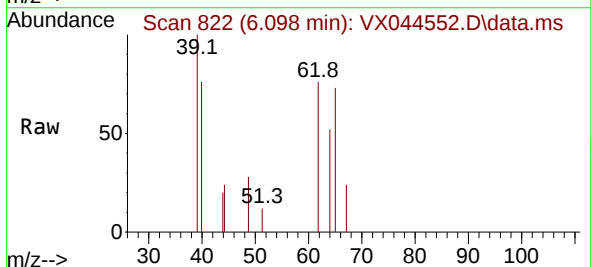


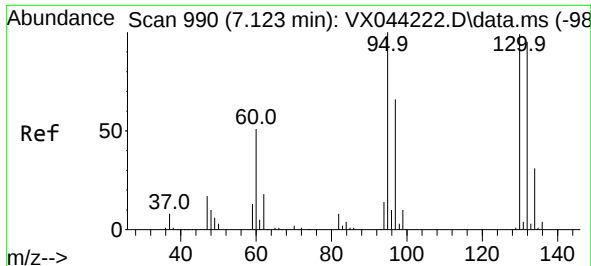
Tgt Ion:117 Resp: 12845
Ion Ratio Lower Upper
117 100
119 6.5 74.2 111.4#
121 0.0 23.0 34.6#



#42
1,2-Dichloroethane
Concen: 0.341 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 62 Resp: 798
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

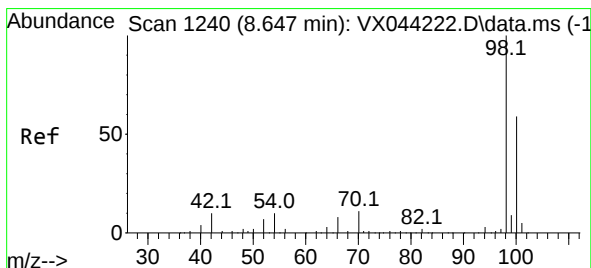
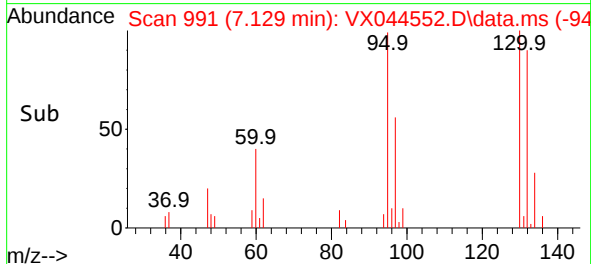
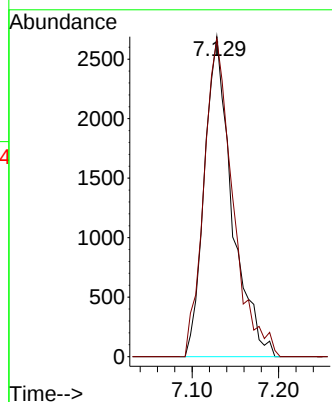
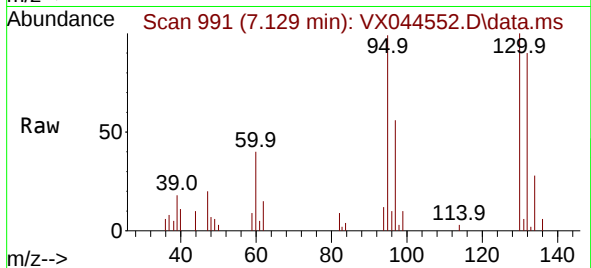




#44
 Trichloroethene
 Concen: 4.200 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX044552.D
 Acq: 30 Dec 2024 18:28

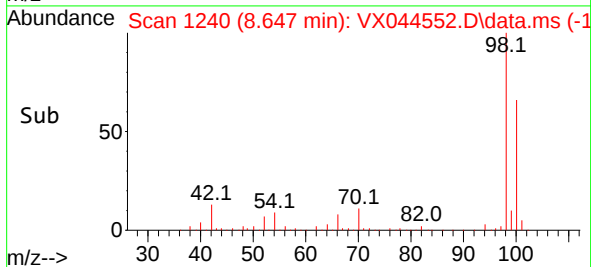
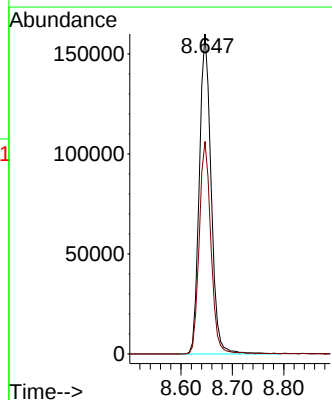
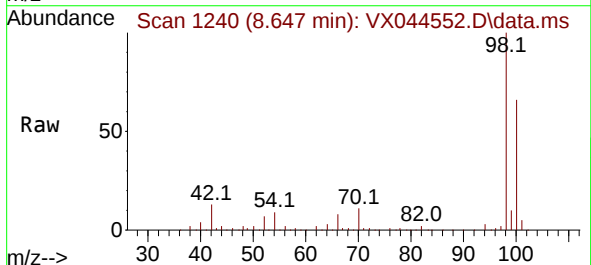
Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20241218

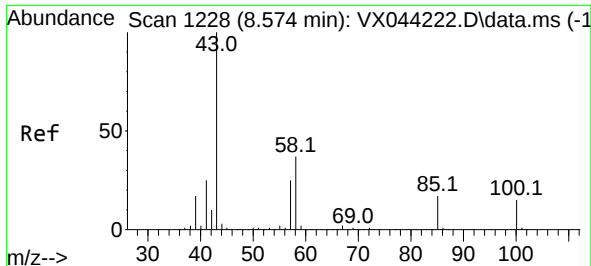
Tgt Ion:130 Resp: 5957
 Ion Ratio Lower Upper
 130 100
 95 99.3 0.0 201.4



#50
 Toluene-d8
 Concen: 52.202 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX044552.D
 Acq: 30 Dec 2024 18:28

Tgt Ion: 98 Resp: 255239
 Ion Ratio Lower Upper
 98 100
 100 65.9 51.5 77.3

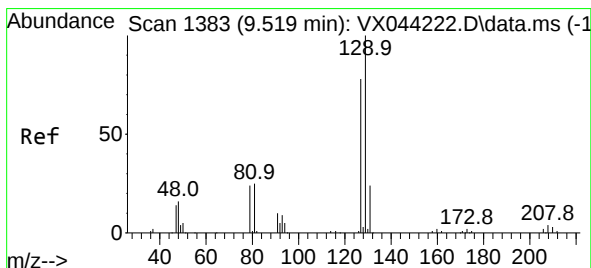
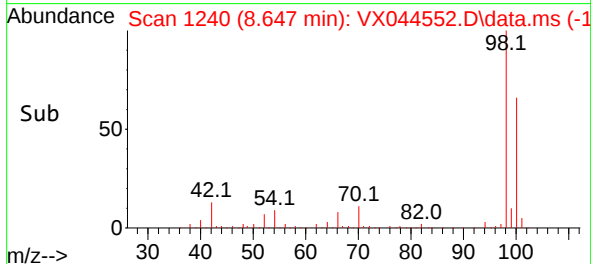
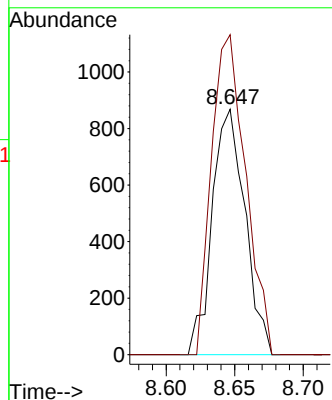
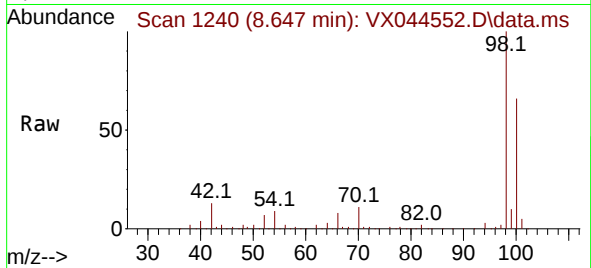




#51
4-Methyl-2-Pentanone
Concen: 0.622 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

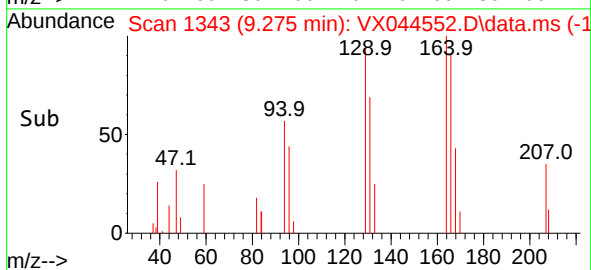
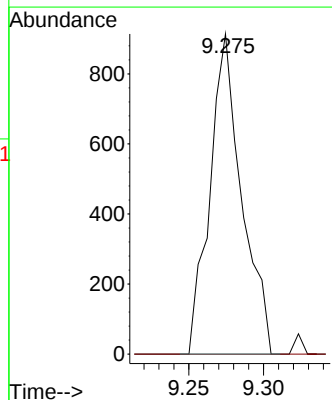
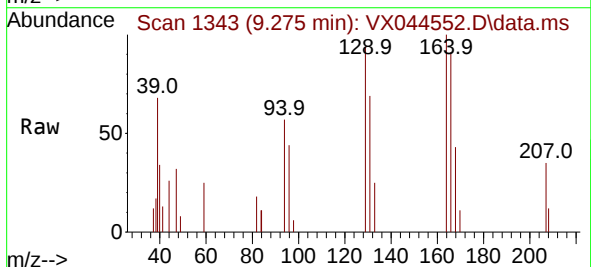
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

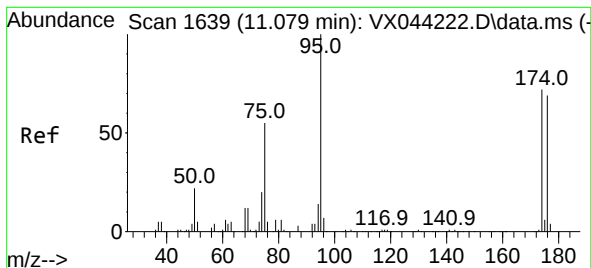
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 135.7 29.4 44.0#



#60
Dibromochloromethane
Concen: 2.150 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 129 Resp: 1354
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

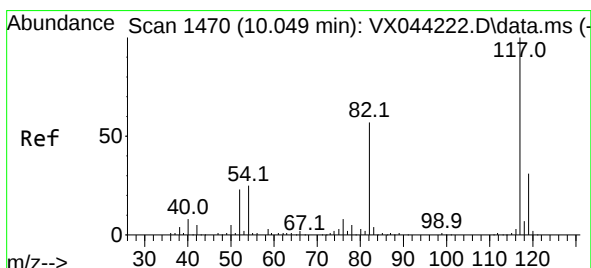
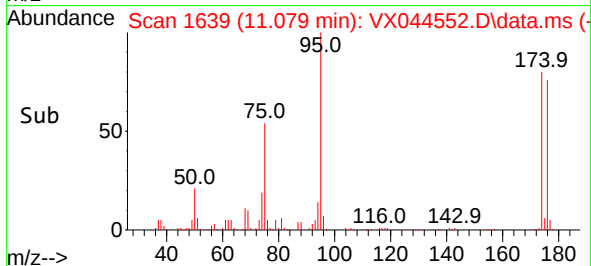
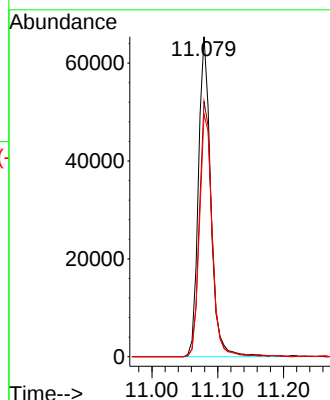
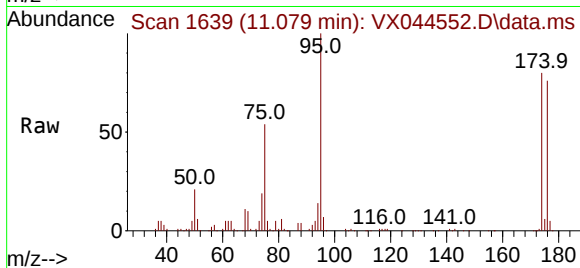




#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

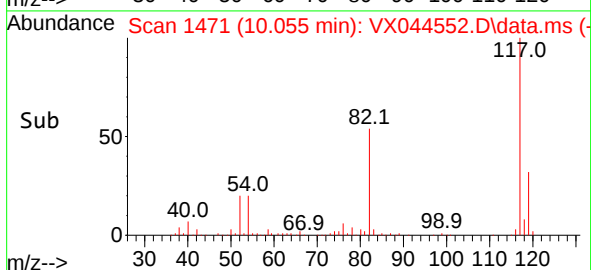
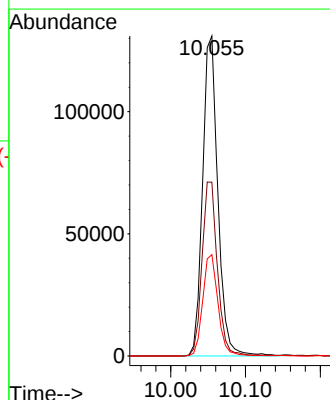
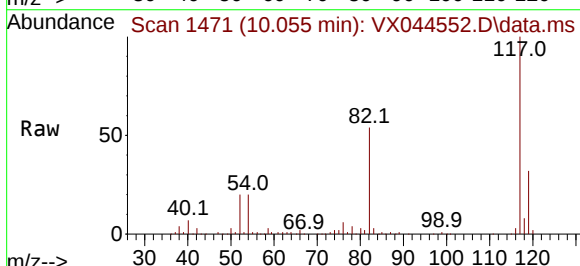
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

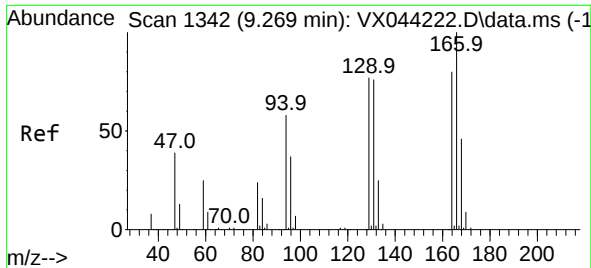
Tgt Ion: 95 Resp: 85478
Ion Ratio Lower Upper
95 100
174 80.8 0.0 145.8
176 78.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 117 Resp: 185772
Ion Ratio Lower Upper
117 100
82 54.3 45.8 68.8
119 31.7 25.0 37.4

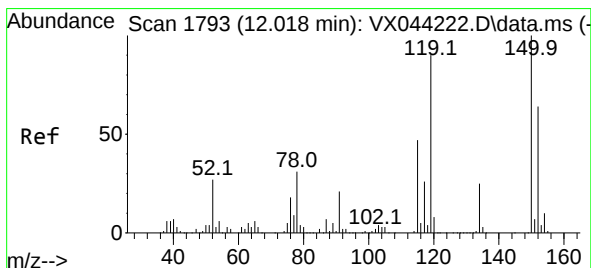
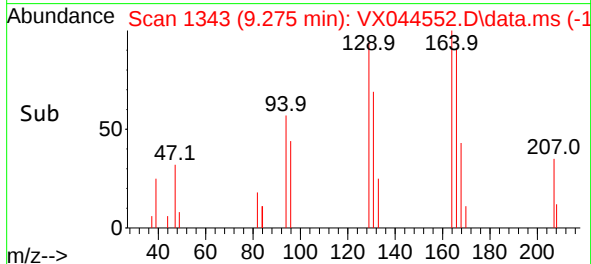
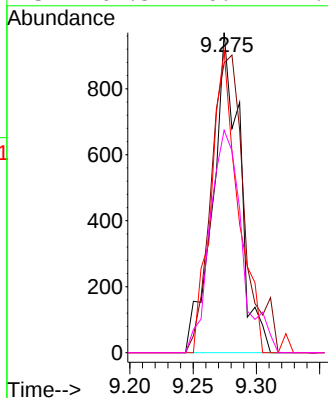
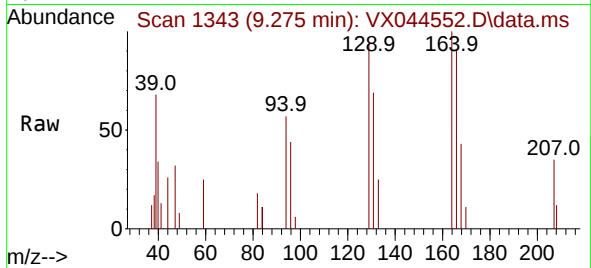




#64
Tetrachloroethene
Concen: 1.170 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

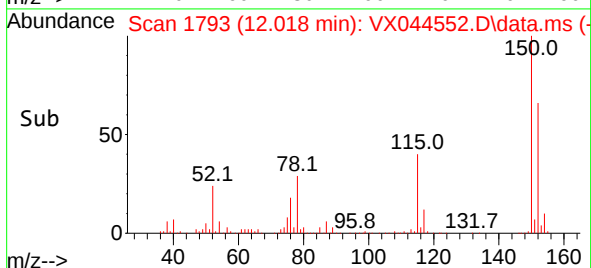
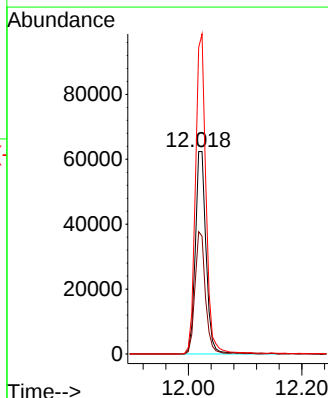
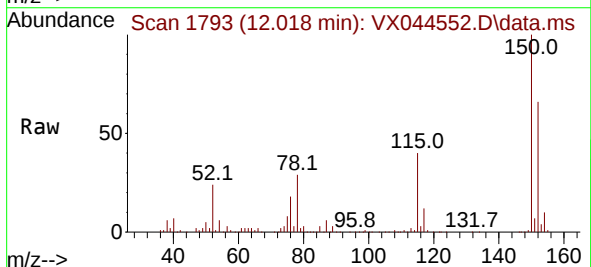
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

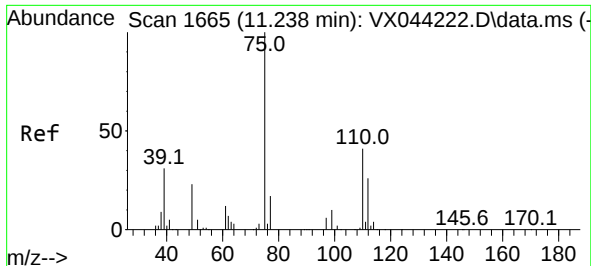
Tgt Ion:164 Resp: 1442
Ion Ratio Lower Upper
164 100
166 90.5 100.4 150.6#
129 94.2 77.2 115.8
131 69.5 76.2 114.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:152 Resp: 82258
Ion Ratio Lower Upper
152 100
115 58.3 44.5 133.3
150 154.3 0.0 353.8

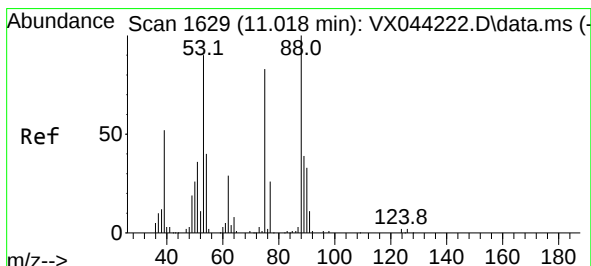
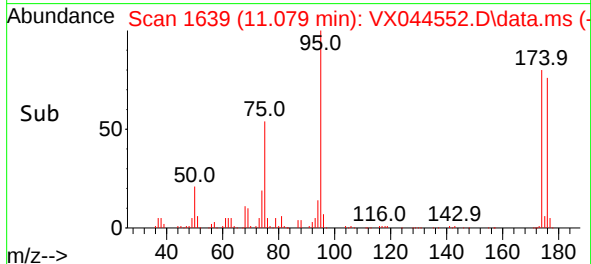
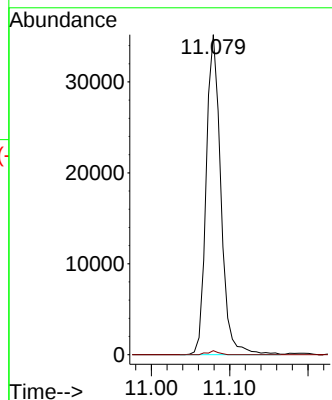
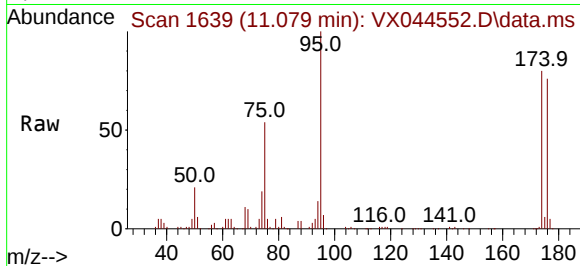




#76
1,2,3-Trichloropropane
Concen: 24.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

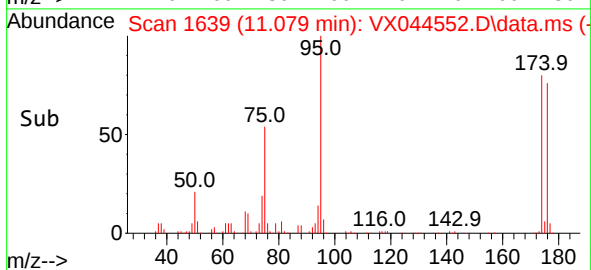
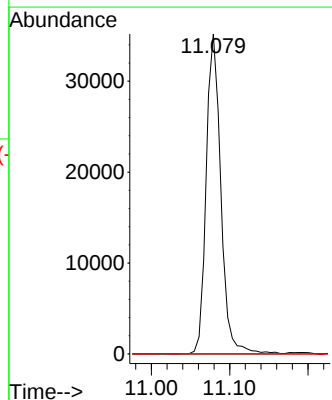
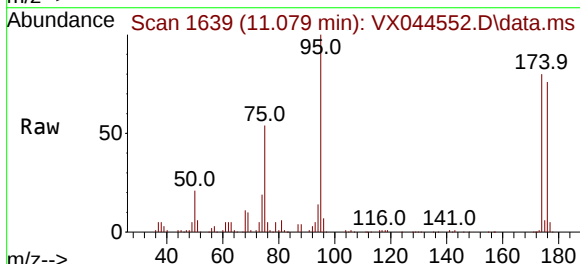
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

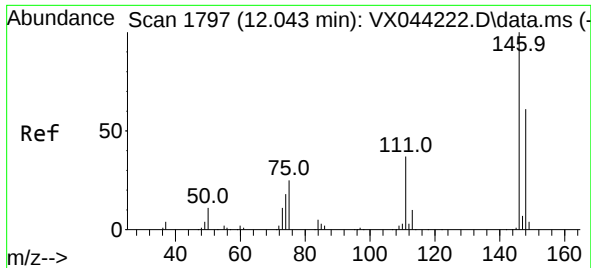
Tgt Ion: 75 Resp: 45593
Ion Ratio Lower Upper
75 100
77 0.9 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 75 Resp: 45593
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

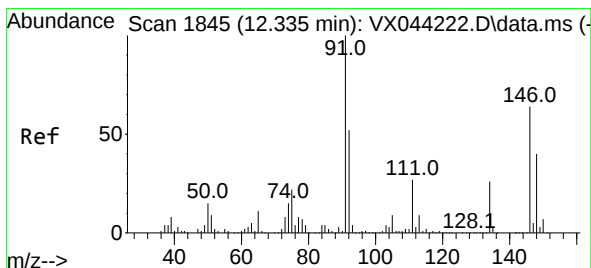
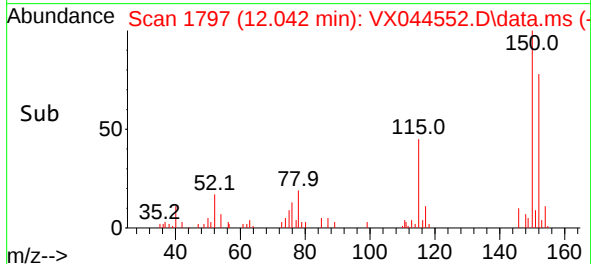
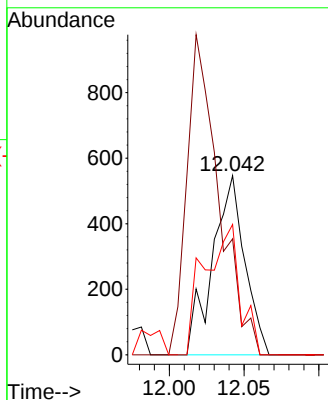
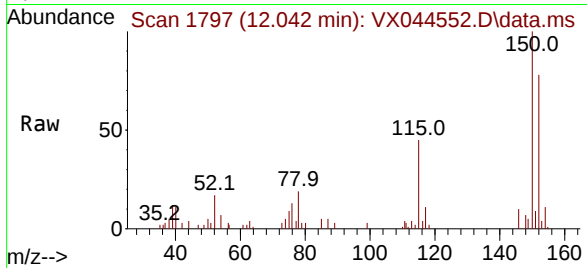




#88
1,4-Dichlorobenzene
Concen: 0.298 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion:146 Resp: 818
Ion Ratio Lower Upper
146 100
111 0.0 21.0 63.0#
148 80.3 32.3 96.8



#91
1,2-Dichlorobenzene
Concen: 0.260 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:146 Resp: 720
Ion Ratio Lower Upper
146 100
111 42.9 21.4 64.3
148 55.3 31.6 95.0

