

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044627.D
 Acq On : 08 Jan 2025 14:50
 Operator : JC/MD
 Sample : Q1032-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 00:30:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 03:57:12 2025
 Response via : Initial Calibration

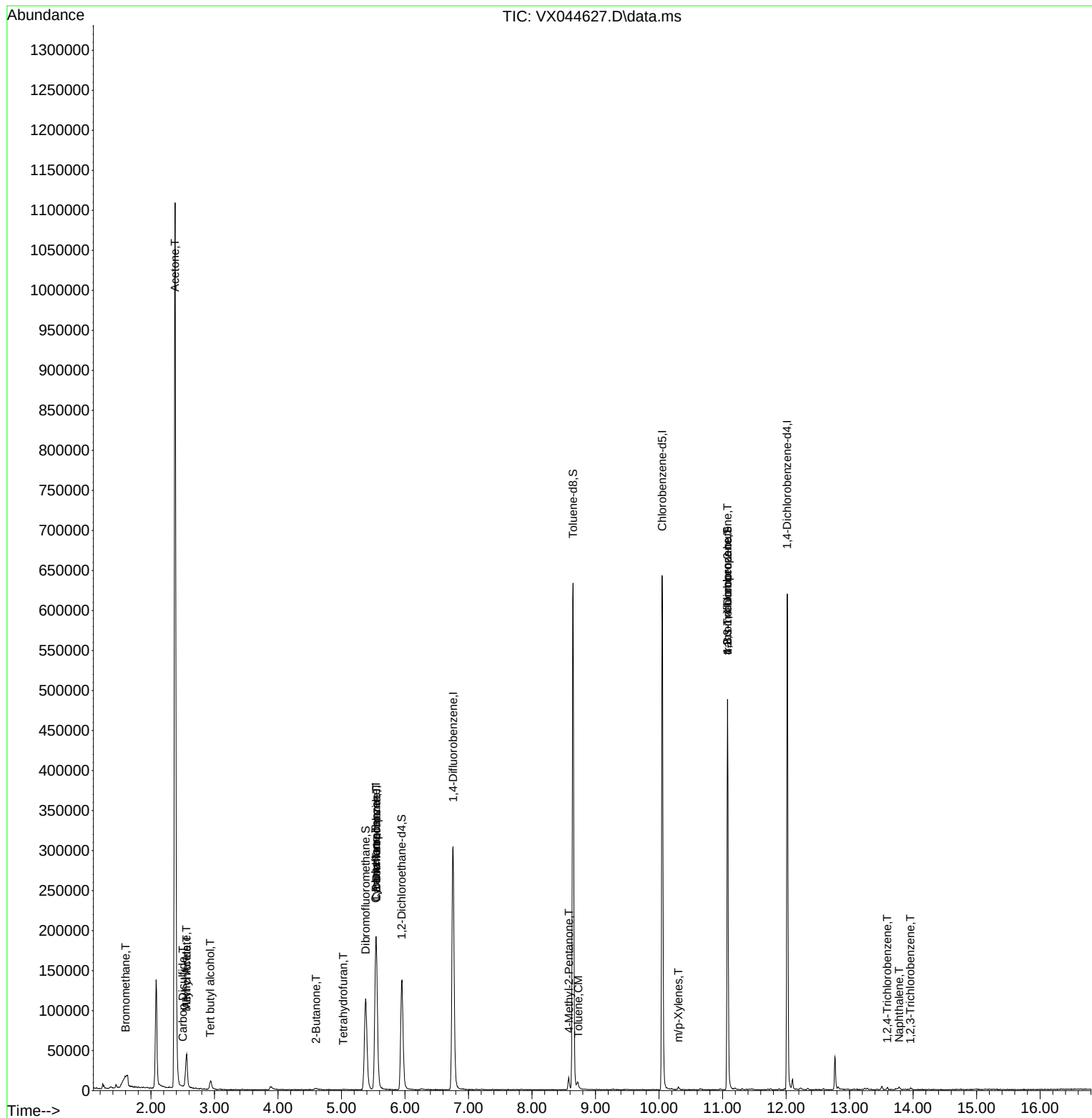
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	169137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	306174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	282476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	140549	51.537	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.080%	
35) Dibromofluoromethane	5.379	113	97498	46.439	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.880%	
50) Toluene-d8	8.646	98	370767	51.701	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.400%	
62) 4-Bromofluorobenzene	11.079	95	129625	51.210	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.420%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	544	0.459	ug/l	96
11) Tert butyl alcohol	2.934	59	5940	17.689	ug/l #	74
14) Allyl chloride	2.562	41	5297	1.683	ug/l #	70
16) Acetone	2.379	43	1226596	1427.045	ug/l	100
17) Carbon Disulfide	2.501	76	827	0.211	ug/l #	75
18) Methyl Acetate	2.556	43	15418	6.077	ug/l #	51
25) 2-Butanone	4.598	43	1053	0.849	ug/l #	50
29) Tetrahydrofuran	5.025	42	337	0.397	ug/l #	43
31) Cyclohexane	5.537	56	4616	1.492	ug/l #	17
36) 1,1-Dichloropropene	5.549	75	15578	5.738	ug/l #	51
38) Carbon Tetrachloride	5.549	117	19278	6.400	ug/l #	16
51) 4-Methyl-2-Pentanone	8.579	43	9649	3.603	ug/l	96
52) Toluene	8.726	92	3437	0.666	ug/l	96
68) m/p-Xylenes	10.305	106	1108	0.293	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	71972	29.571	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	71972	90.014	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.591	180	587	0.250	ug/l	70
95) Naphthalene	13.780	128	3114	0.411	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.956	180	555	0.231	ug/l #	63

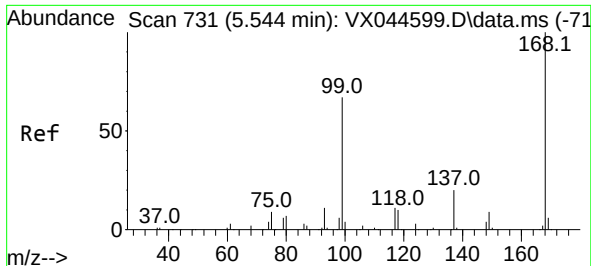
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :

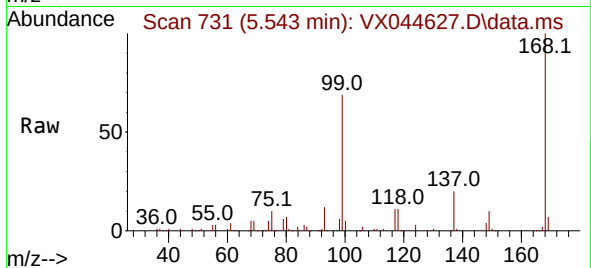
Quant Time: Jan 09 00:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 08 03:57:12 2025
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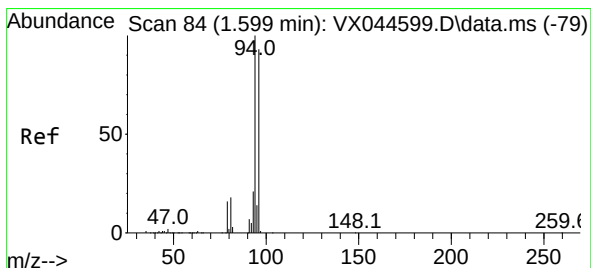
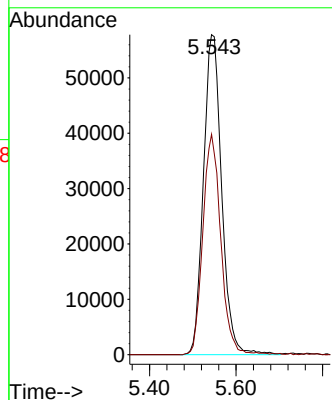
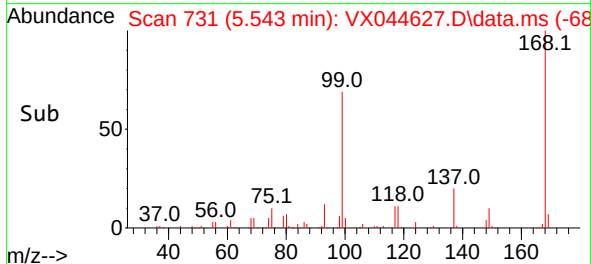


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

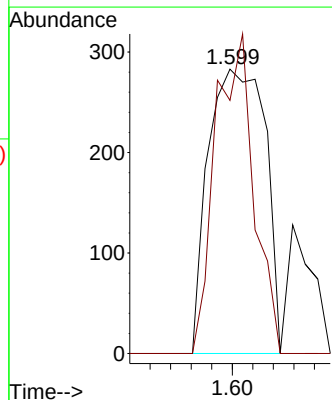
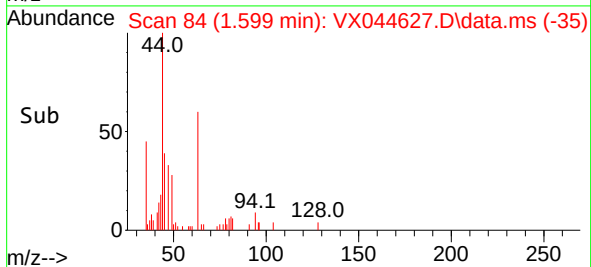
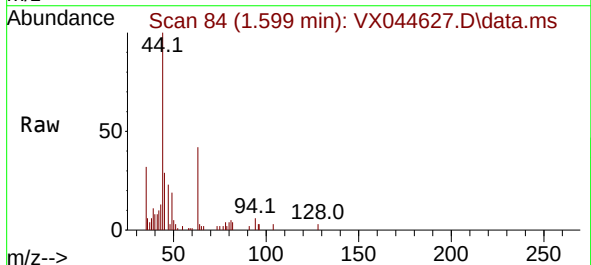


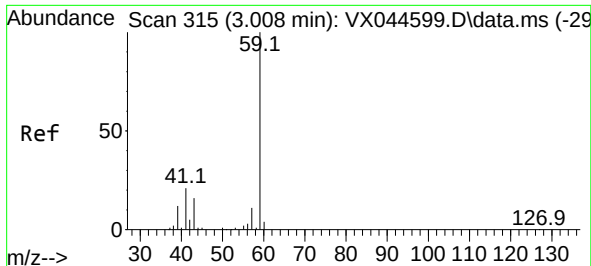
Tgt Ion:168 Resp: 169137
Ion Ratio Lower Upper
168 100
99 68.9 53.5 80.3



#5
Bromomethane
Concen: 0.459 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 89.0 74.6 112.0





#11

Tert butyl alcohol

Concen: 17.689 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.074 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

Instrument :

MSVOA_X

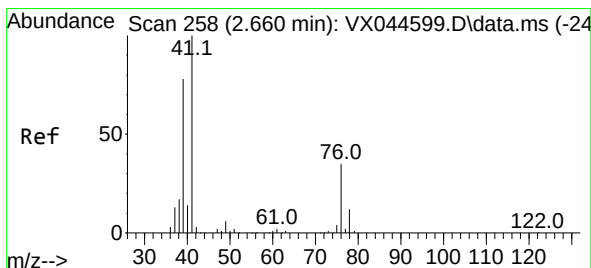
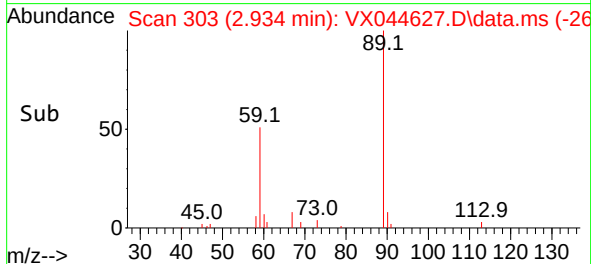
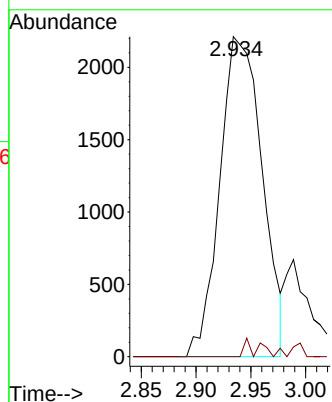
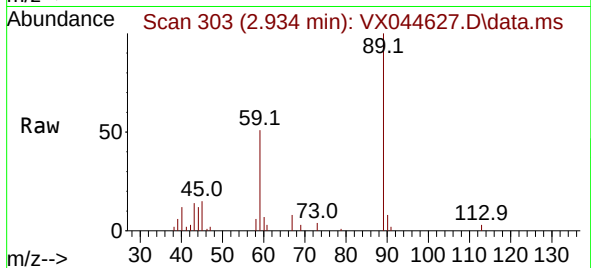
ClientSampleId :

Tgt Ion: 59 Resp: 5940

Ion Ratio Lower Upper

59 100

57 0.8 8.6 12.8#



#14

Allyl chloride

Concen: 1.683 ug/l

RT: 2.562 min Scan# 242

Delta R.T. -0.098 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

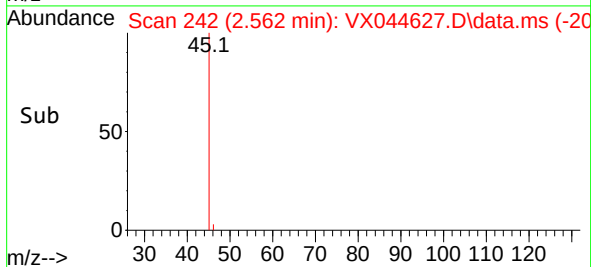
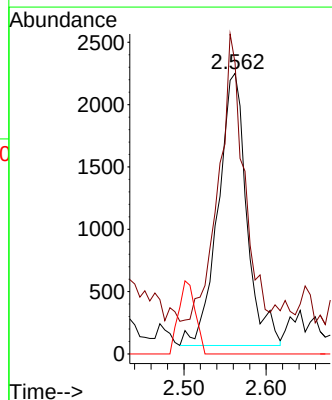
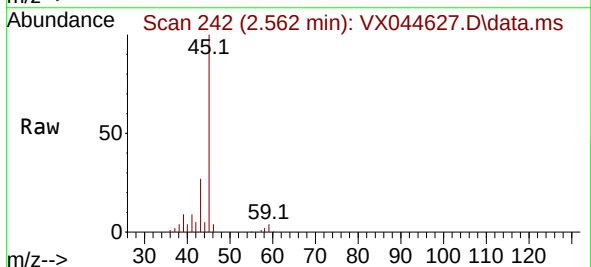
Tgt Ion: 41 Resp: 5297

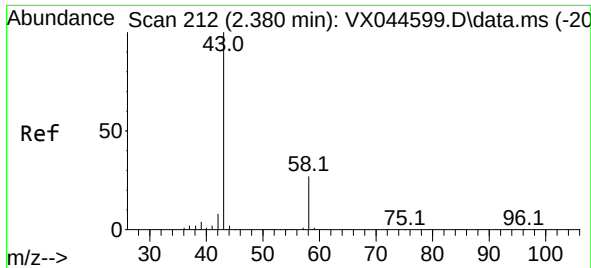
Ion Ratio Lower Upper

41 100

39 90.0 60.2 90.2

76 0.0 25.9 38.9#

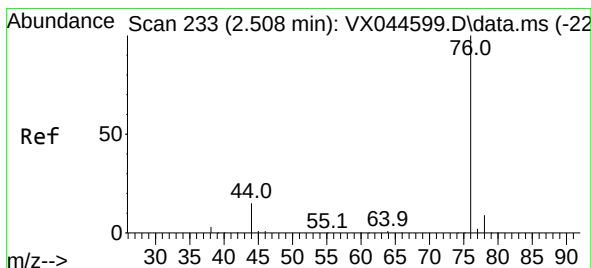
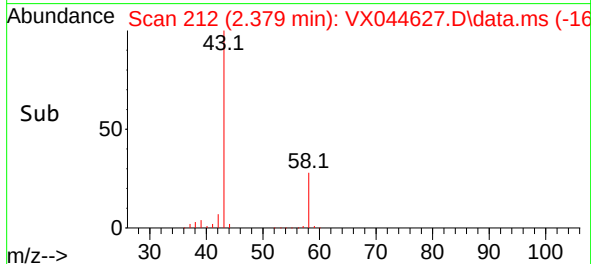
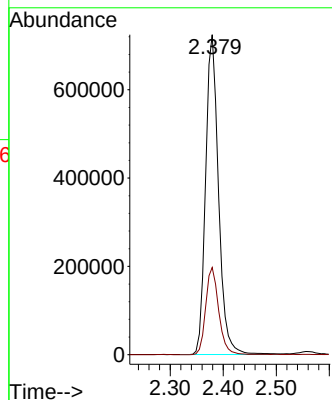
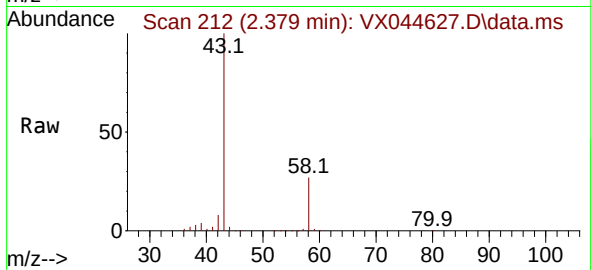




#16
Acetone
Concen: 1427.045 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

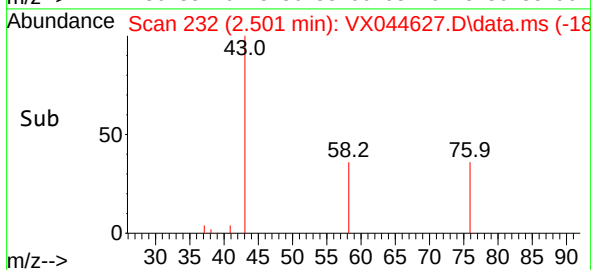
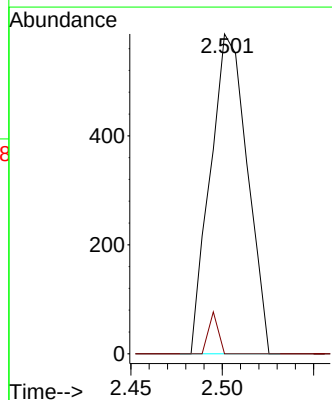
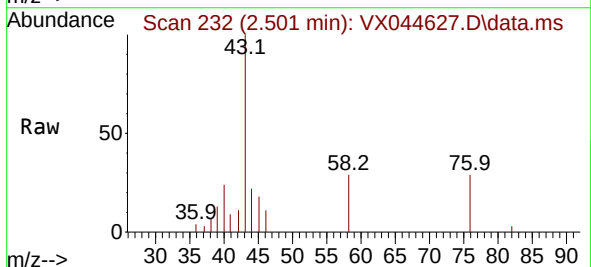
Instrument :
MSVOA_X
ClientSampleId :

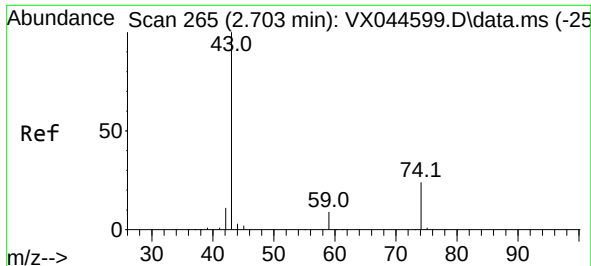
Tgt Ion: 43 Resp: 1226596
Ion Ratio Lower Upper
43 100
58 27.2 22.0 33.0



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.006 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 76 Resp: 827
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 6.077 ug/l

RT: 2.556 min Scan# 241

Delta R.T. -0.147 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

Instrument :

MSVOA_X

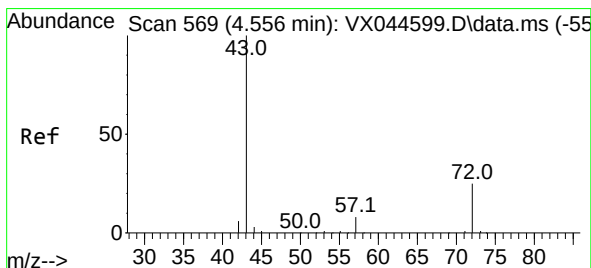
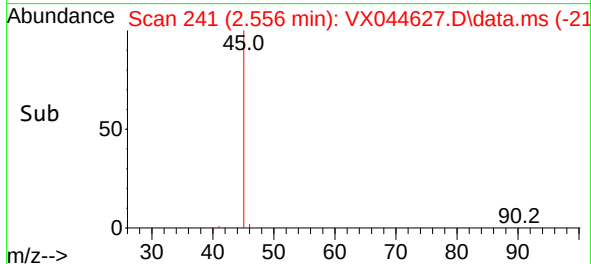
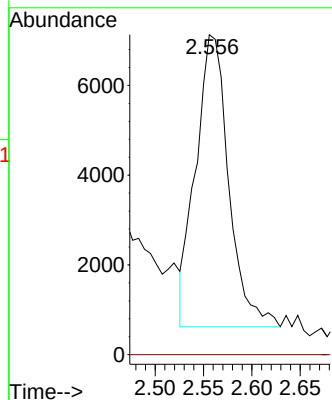
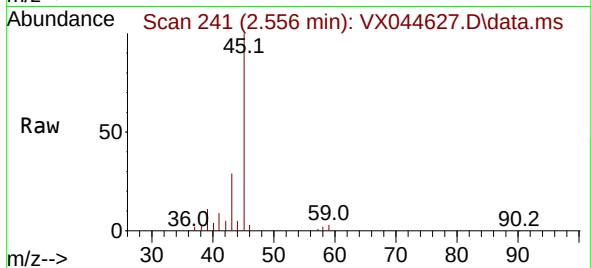
ClientSampleId :

Tgt Ion: 43 Resp: 15418

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



#25

2-Butanone

Concen: 0.849 ug/l

RT: 4.598 min Scan# 576

Delta R.T. 0.042 min

Lab File: VX044627.D

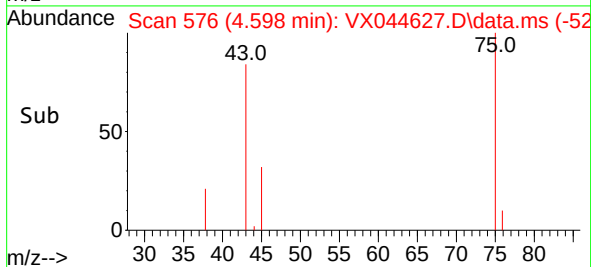
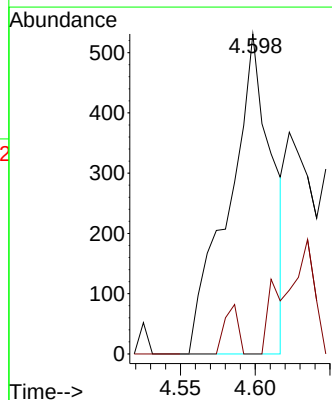
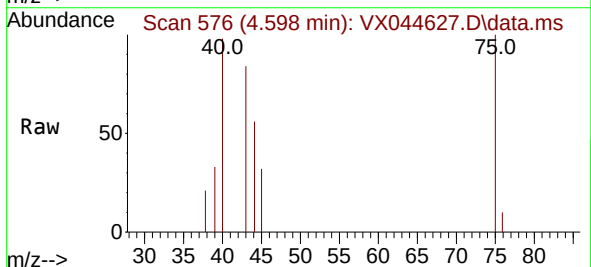
Acq: 08 Jan 2025 14:50

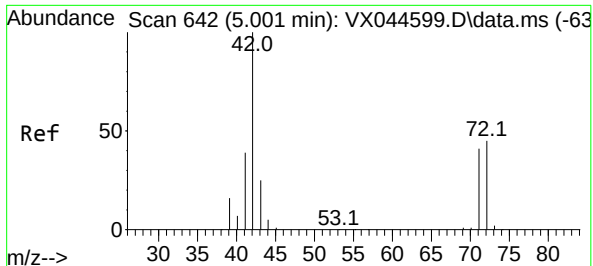
Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 0.397 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

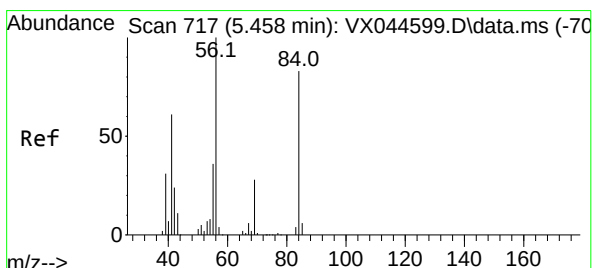
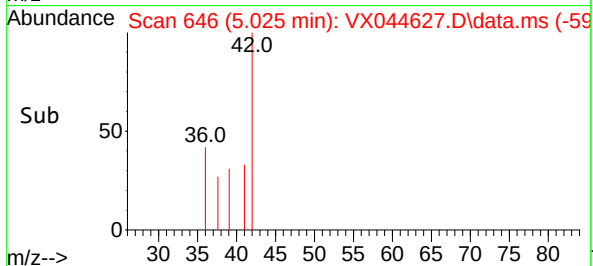
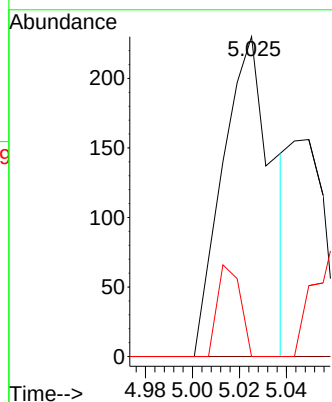
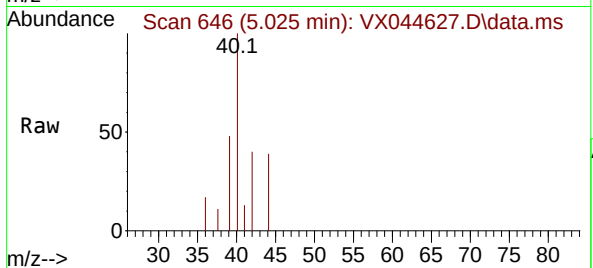
Tgt Ion: 42 Resp: 337

Ion Ratio Lower Upper

42 100

72 0.0 36.1 54.1#

71 13.4 33.0 49.6#



#31

Cyclohexane

Concen: 1.492 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

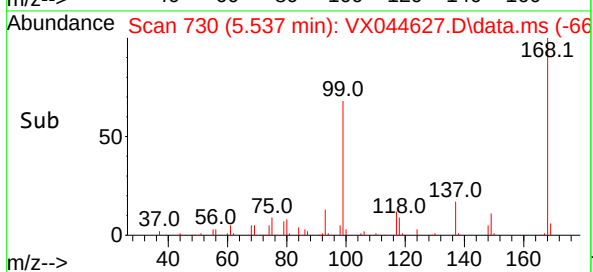
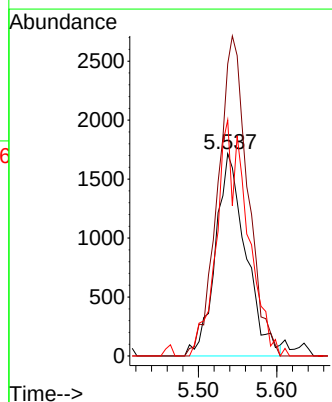
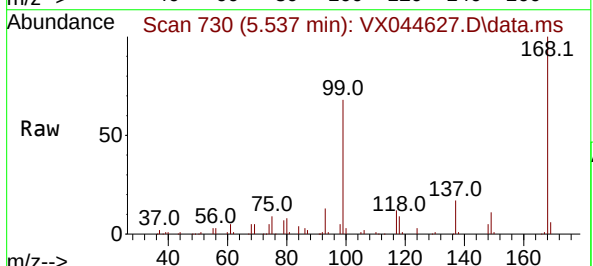
Tgt Ion: 56 Resp: 4616

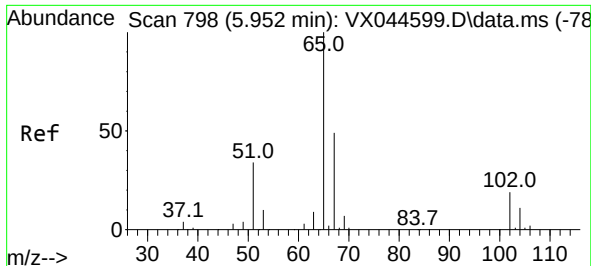
Ion Ratio Lower Upper

56 100

69 144.4 22.2 33.4#

84 116.7 66.6 100.0#

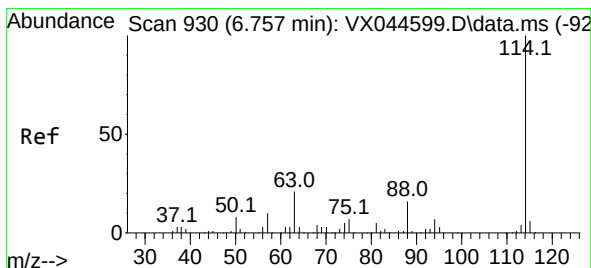
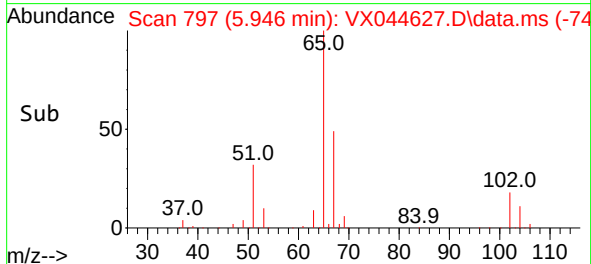
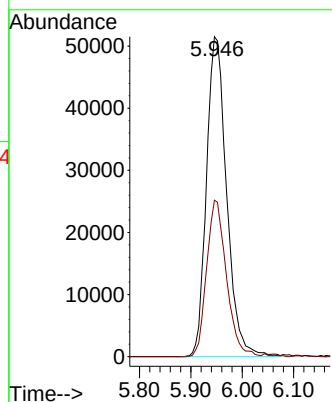
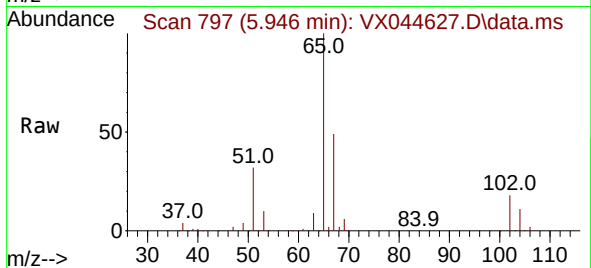




#33
 1,2-Dichloroethane-d4
 Concen: 51.537 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX044627.D
 Acq: 08 Jan 2025 14:50

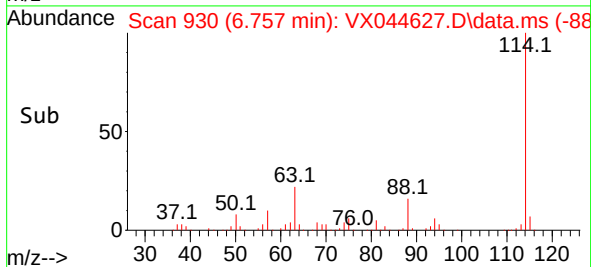
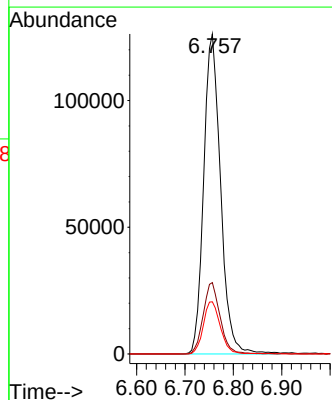
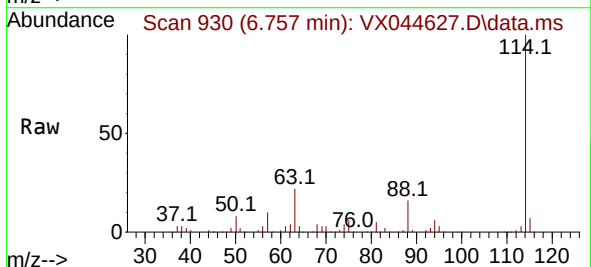
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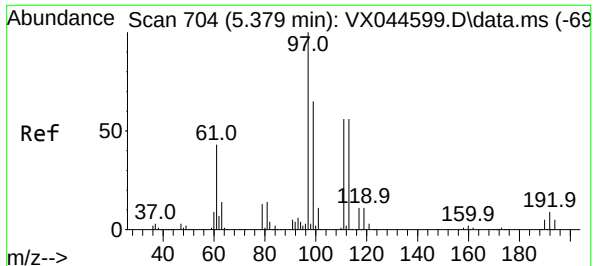
Tgt Ion: 65 Resp: 140549
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044627.D
 Acq: 08 Jan 2025 14:50

Tgt Ion: 114 Resp: 306174
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.6
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.439 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

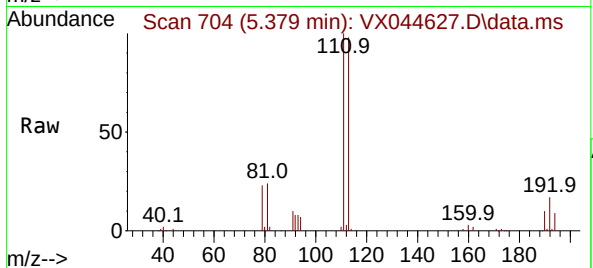
Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :



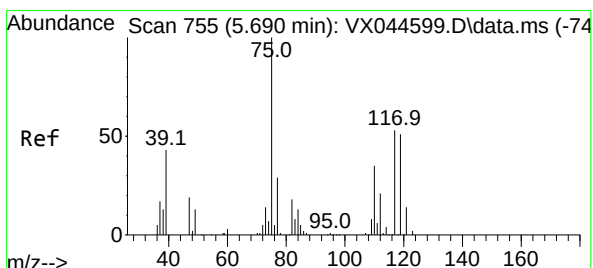
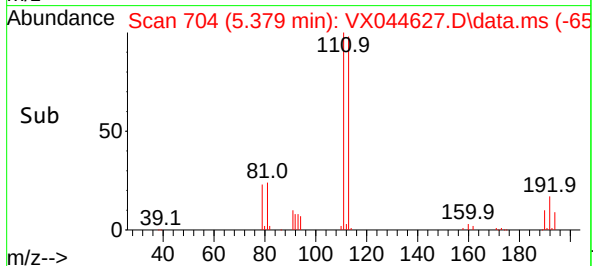
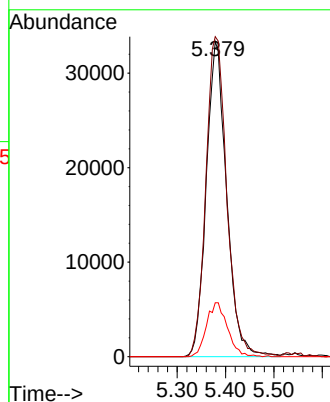
Tgt Ion:113 Resp: 97498

Ion Ratio Lower Upper

113 100

111 104.5 83.3 124.9

192 17.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.738 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

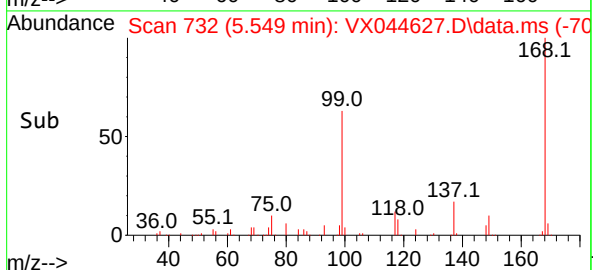
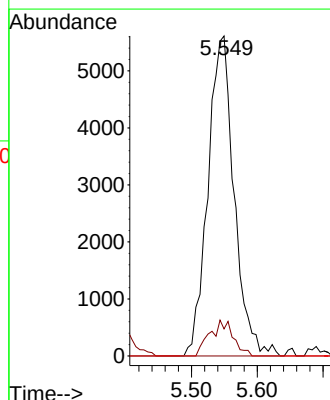
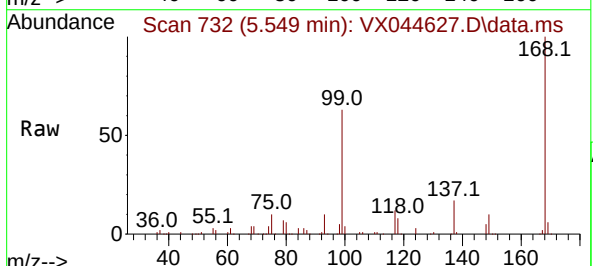
Tgt Ion: 75 Resp: 15578

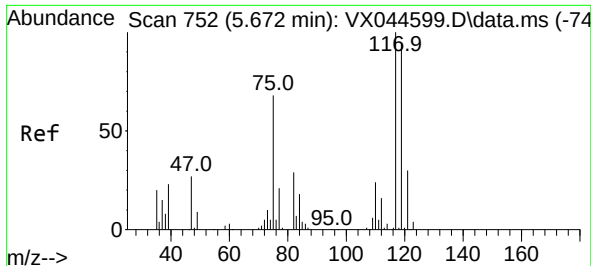
Ion Ratio Lower Upper

75 100

110 10.0 17.3 51.9#

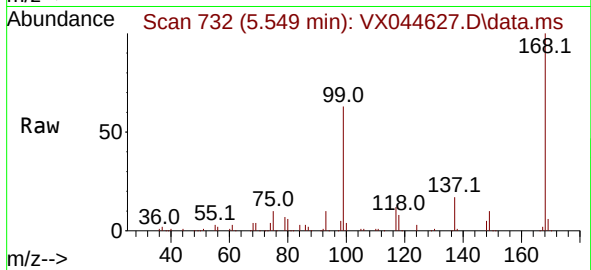
77 0.0 24.7 37.1#



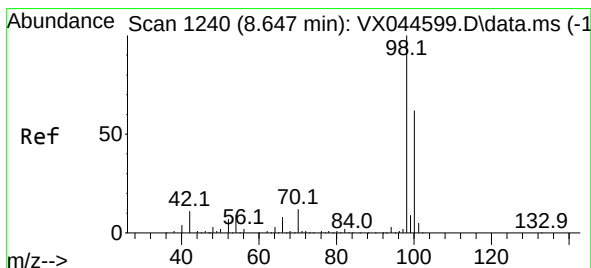
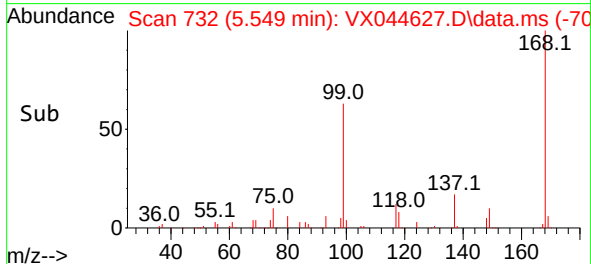
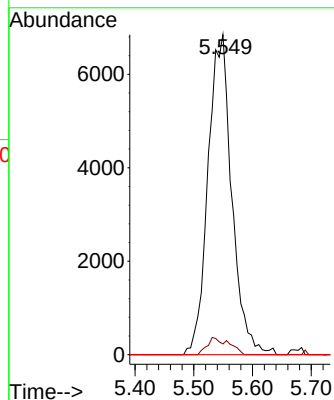


#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

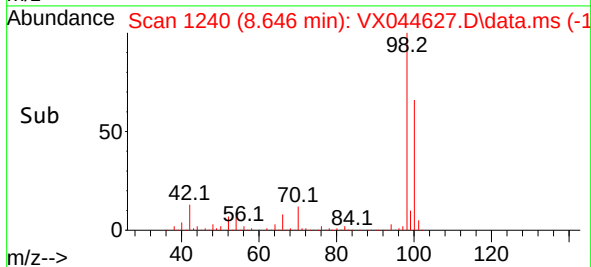
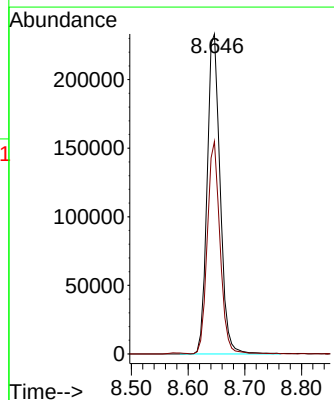
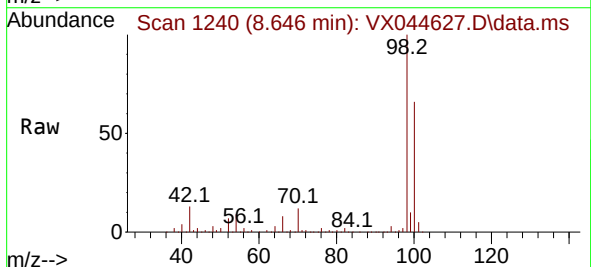


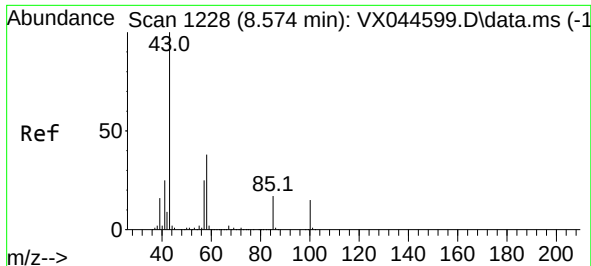
Tgt Ion:117 Resp: 19278
Ion Ratio Lower Upper
117 100
119 3.4 74.5 111.7#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 51.701 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 98 Resp: 370767
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

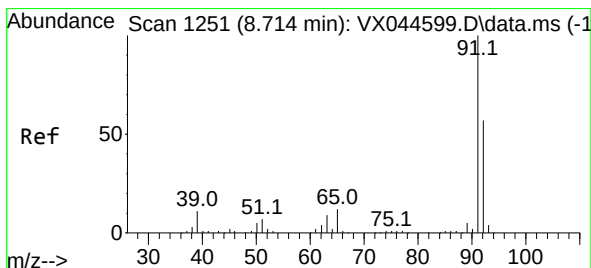
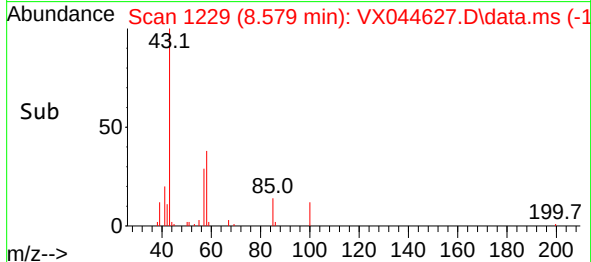
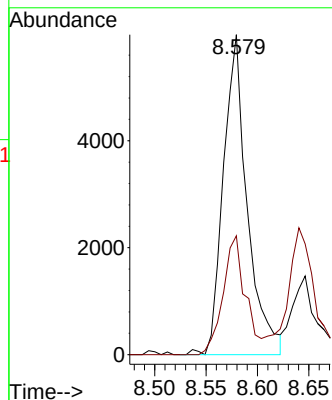
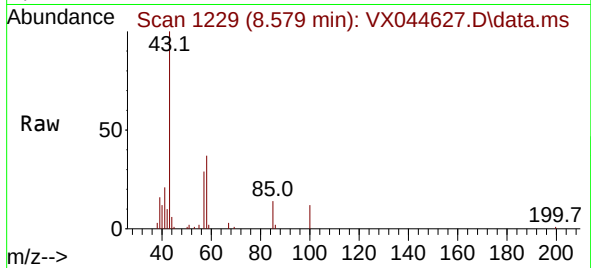




#51
4-Methyl-2-Pentanone
Concen: 3.603 ug/l
RT: 8.579 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

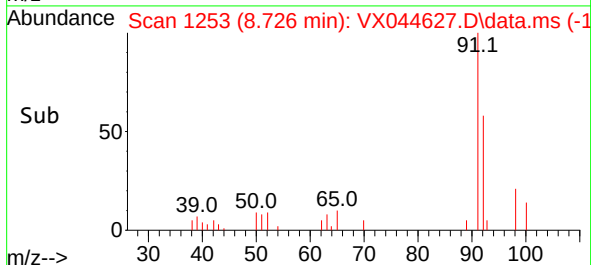
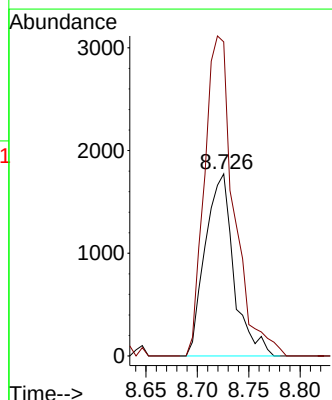
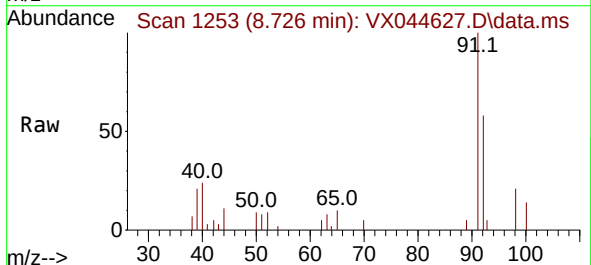
Instrument :
MSVOA_X
ClientSampleId :

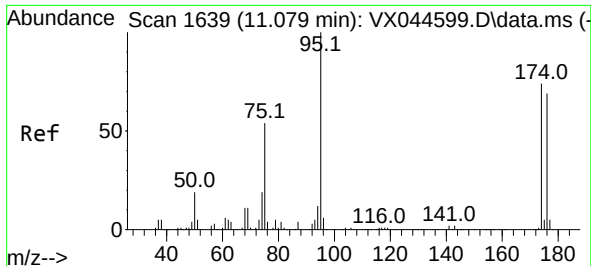
Tgt Ion: 43 Resp: 9649
Ion Ratio Lower Upper
43 100
58 35.0 30.0 45.0



#52
Toluene
Concen: 0.666 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 92 Resp: 3437
Ion Ratio Lower Upper
92 100
91 181.6 140.6 210.8

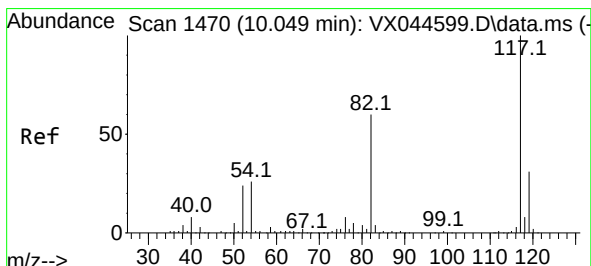
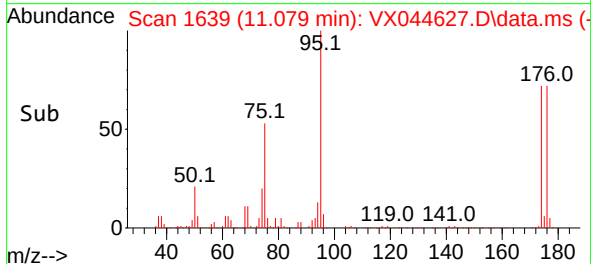
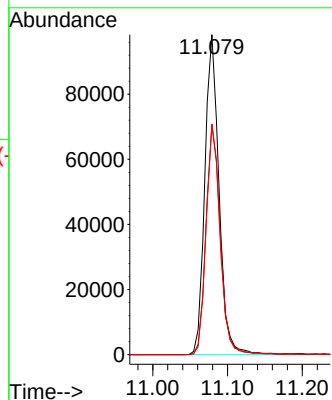
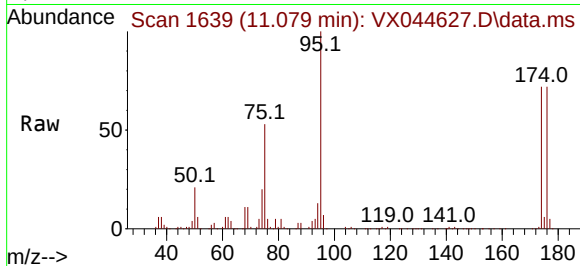




#62
4-Bromofluorobenzene
Concen: 51.210 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

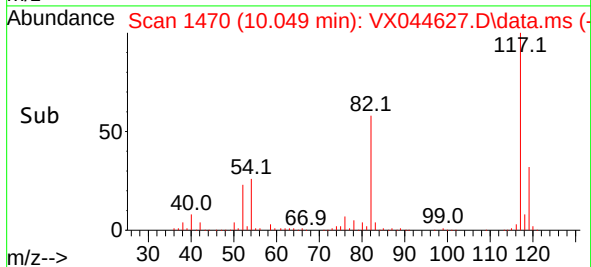
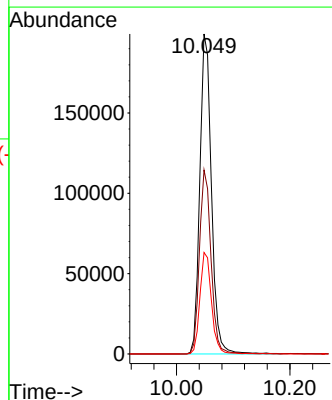
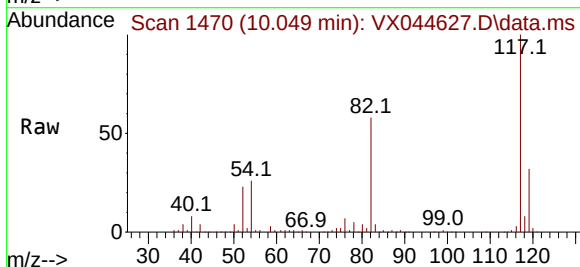
Instrument :
MSVOA_X
ClientSampleId :

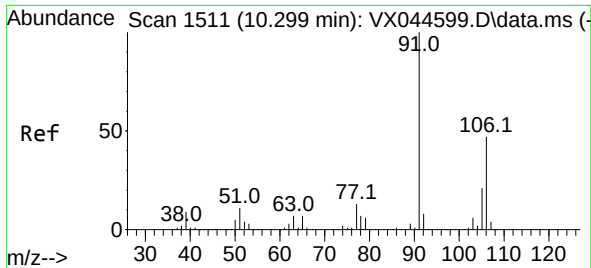
Tgt Ion: 95 Resp: 129625
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.8
176 71.0 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 117 Resp: 282476
Ion Ratio Lower Upper
117 100
82 57.5 47.8 71.6
119 31.7 25.0 37.6

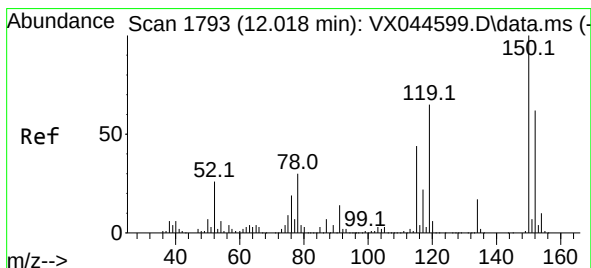
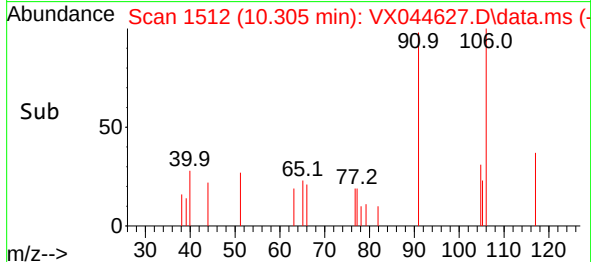
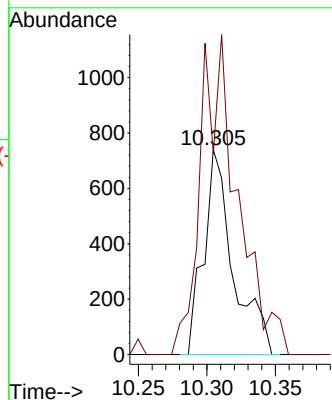
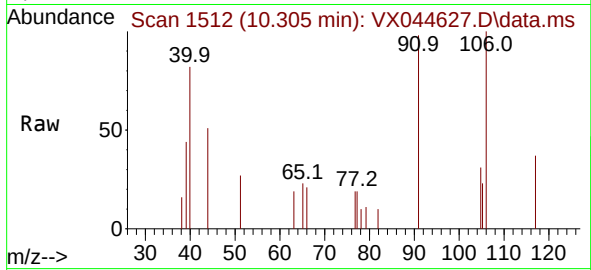




#68
m/p-Xylenes
Concen: 0.293 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

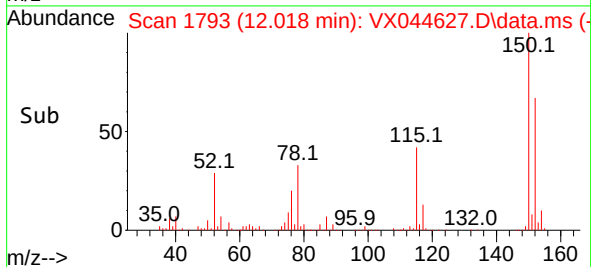
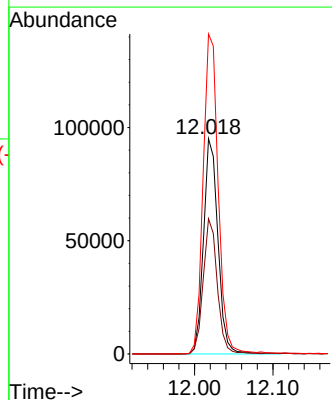
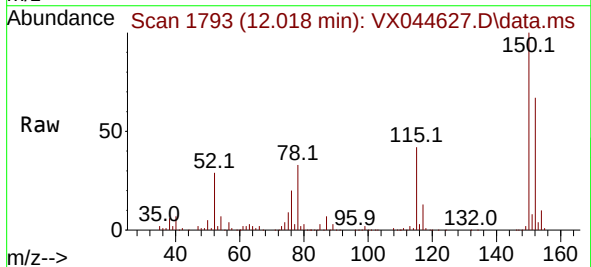
Instrument :
MSVOA_X
ClientSampleId :

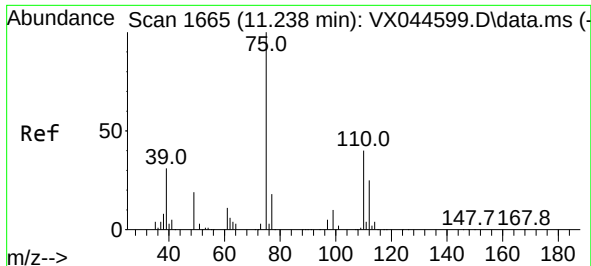
Tgt Ion:106 Resp: 1108
Ion Ratio Lower Upper
106 100
91 195.8 170.4 255.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion:152 Resp: 121413
Ion Ratio Lower Upper
152 100
115 61.5 44.4 133.1
150 156.1 0.0 355.0

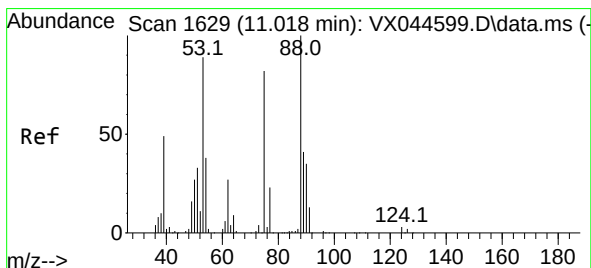
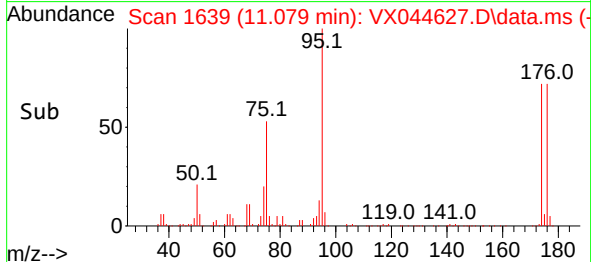
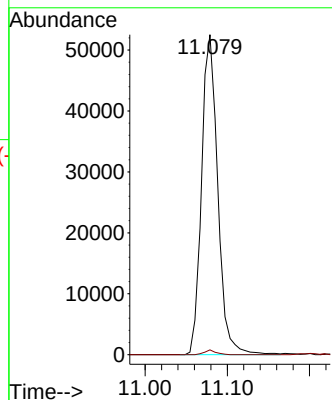
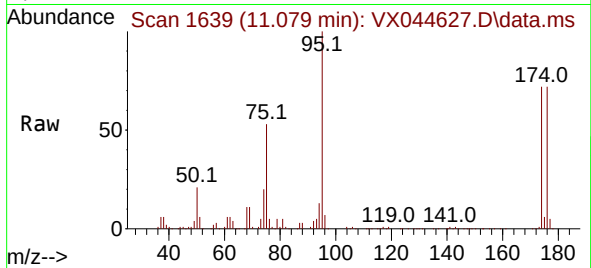




#76
1,2,3-Trichloropropane
Concen: 29.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

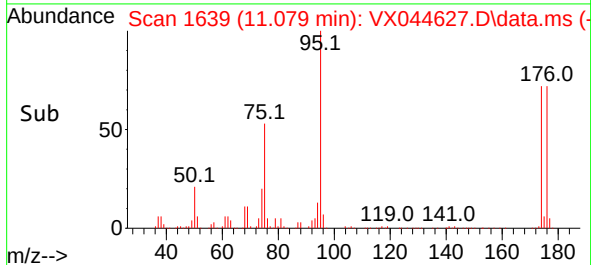
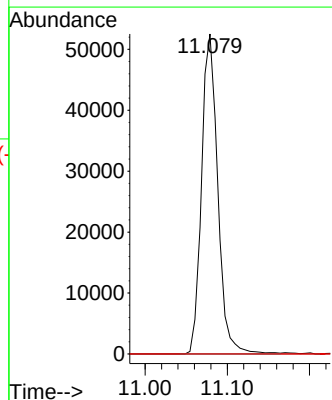
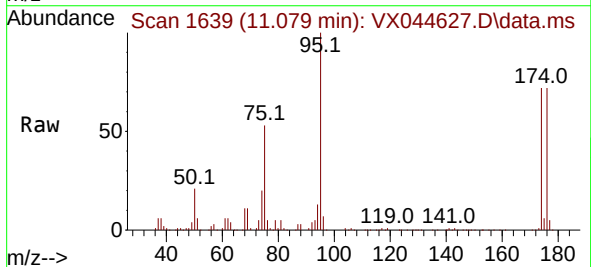
Instrument :
MSVOA_X
ClientSampleId :

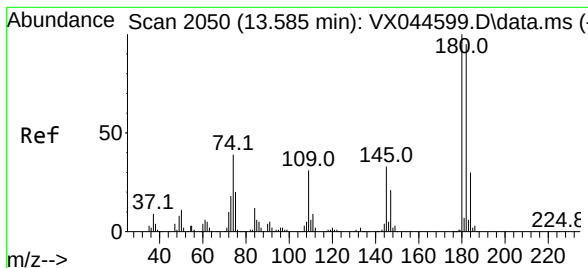
Tgt Ion: 75 Resp: 71972
Ion Ratio Lower Upper
75 100
77 1.1 21.1 63.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.014 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044627.D
Acq: 08 Jan 2025 14:50

Tgt Ion: 75 Resp: 71972
Ion Ratio Lower Upper
75 100
53 0.0 92.7 139.1#
89 0.0 38.3 57.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.250 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

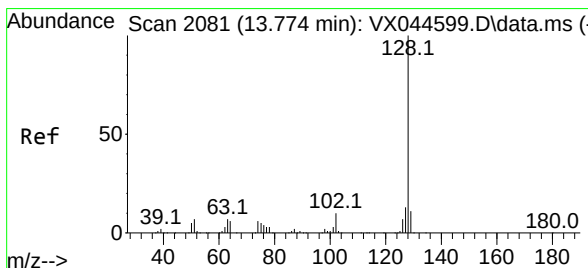
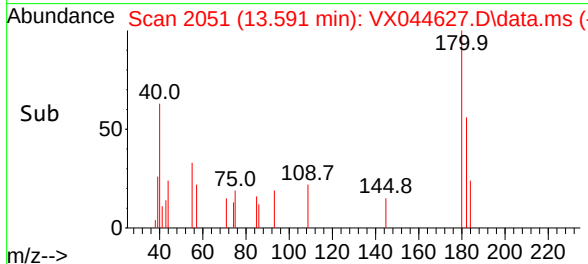
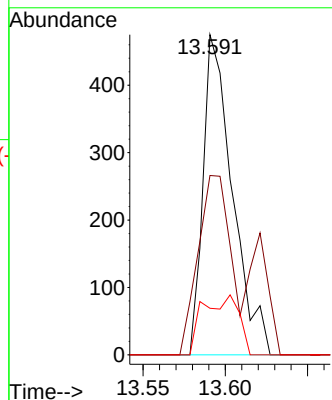
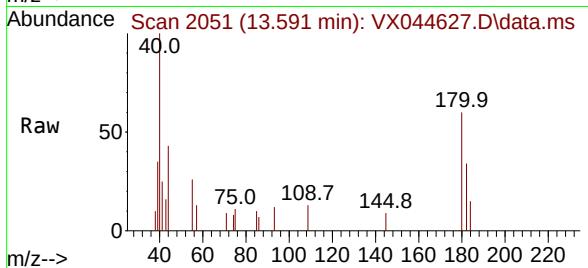
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

180 100

182 62.2 47.9 143.6

145 22.8 16.3 48.9



#95

Naphthalene

Concen: 0.411 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX044627.D

Acq: 08 Jan 2025 14:50

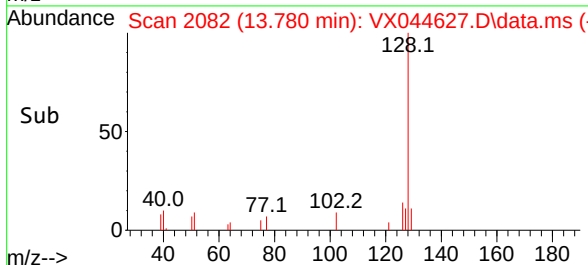
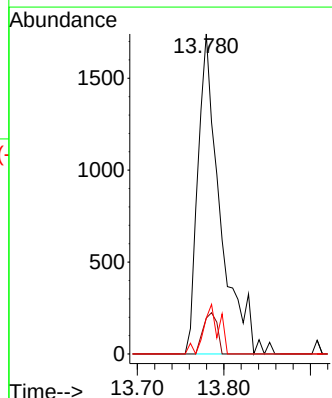
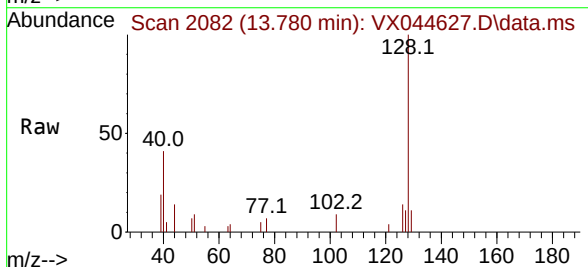
Tgt Ion:128 Resp: 3114

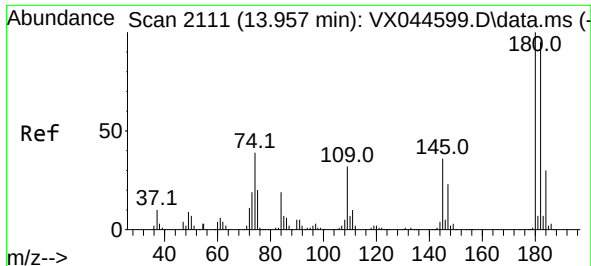
Ion Ratio Lower Upper

128 100

127 8.1 10.5 15.7#

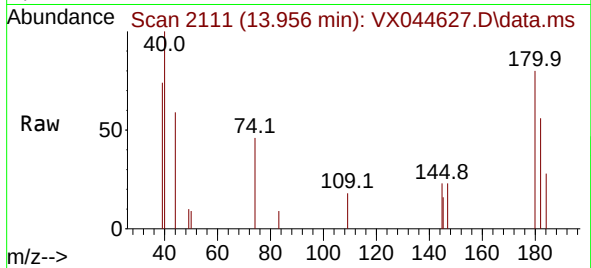
129 10.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 13.956 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX044627.D
 Acq: 08 Jan 2025 14:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 555
 Ion Ratio Lower Upper
 180 100
 182 129.7 47.6 142.9
 145 60.2 17.6 52.9#

