

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045915.D
 Acq On : 24 Apr 2025 10:29
 Operator : JC/MD
 Sample : VX0424MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424MBL01

Quant Time: Apr 25 02:25:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	68607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	133569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53400	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	67867	54.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.180%	
35) Dibromofluoromethane	5.379	113	48468	51.144	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.280%	
50) Toluene-d8	8.647	98	169097	51.121	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	11.079	95	63887	53.025	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.040%	

Target Compounds

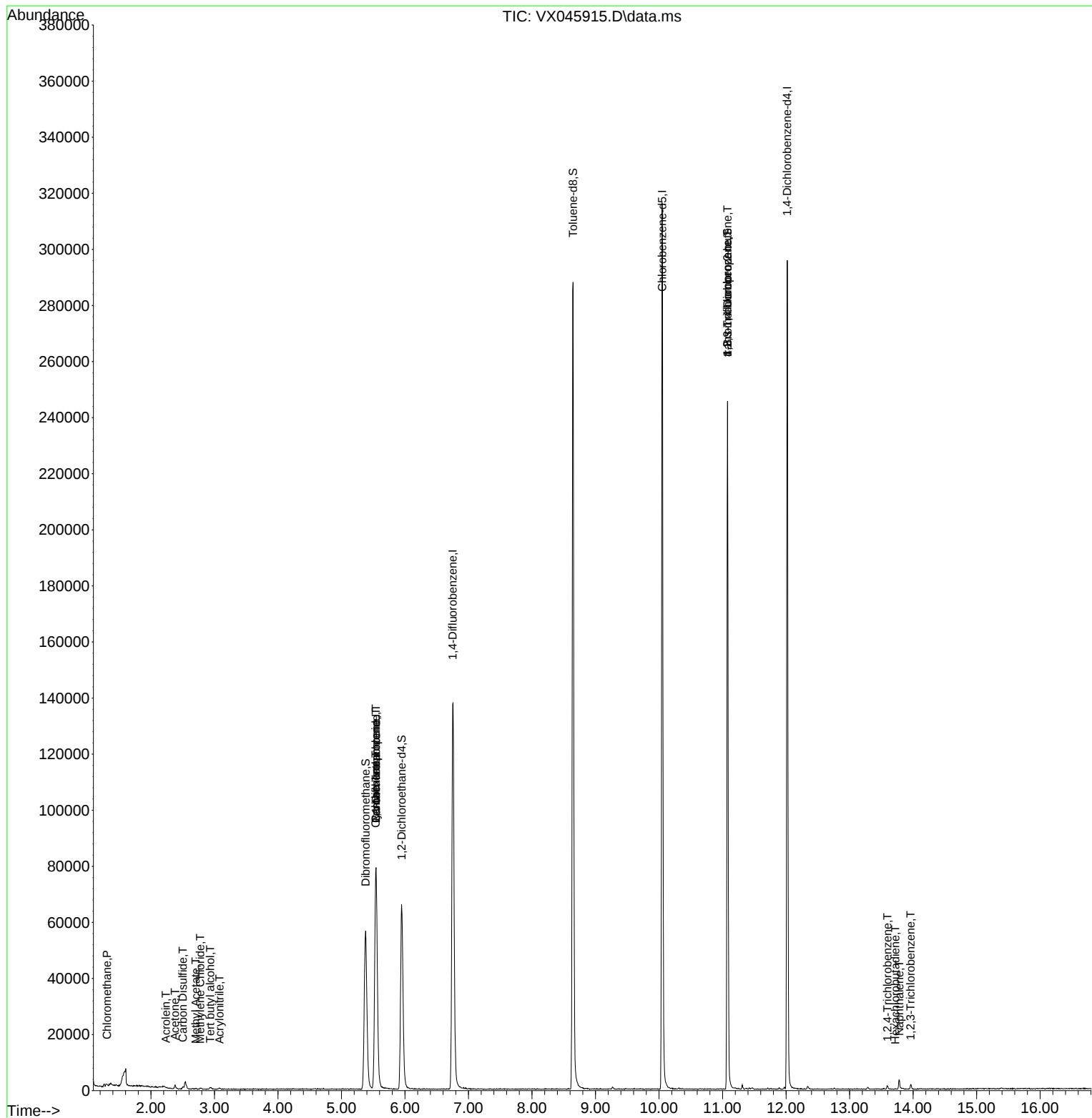
						Qvalue
3) Chloromethane	1.307	50	885	0.840	ug/l	92
11) Tert butyl alcohol	2.934	59	205	1.216	ug/l #	72
13) Acrolein	2.233	56	98	0.422	ug/l	96
15) Acrylonitrile	3.081	53	188	0.353	ug/l #	42
16) Acetone	2.380	43	1256	2.438	ug/l #	89
17) Carbon Disulfide	2.502	76	1002	0.493	ug/l #	76
18) Methyl Acetate	2.703	43	317	0.267	ug/l #	69
20) Methylene Chloride	2.776	84	208	0.216	ug/l #	53
31) Cyclohexane	5.538	56	2158	1.402	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	6964	5.443	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8418	6.087	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	38276	29.385	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38276	99.730	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	530	0.532	ug/l	92
94) Hexachlorobutadiene	13.719	225	100	0.233	ug/l #	46
95) Naphthalene	13.786	128	2785	0.752	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	586	0.562	ug/l	87

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

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QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

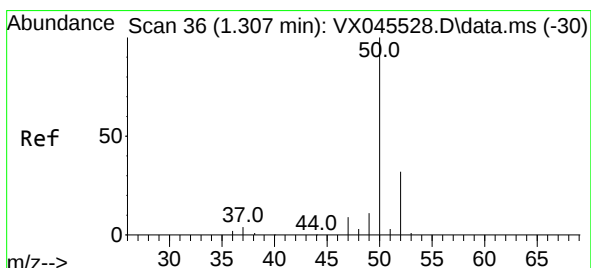
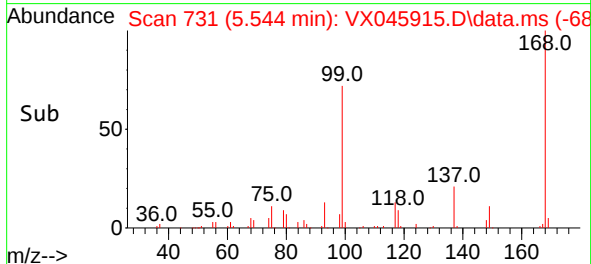
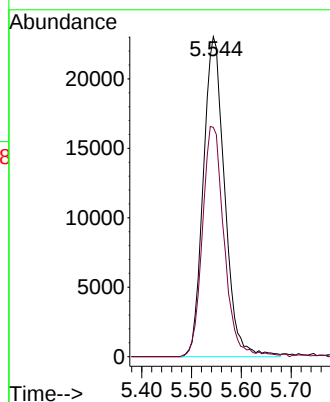
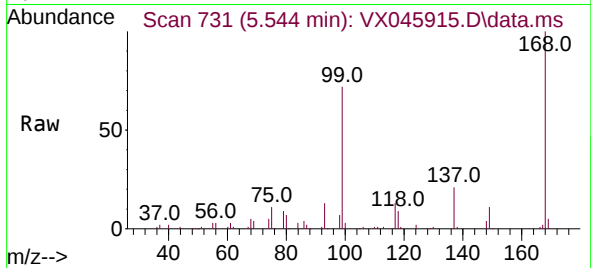




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

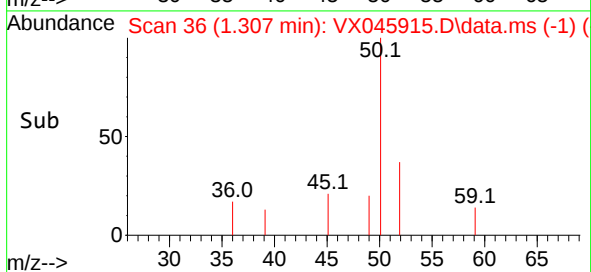
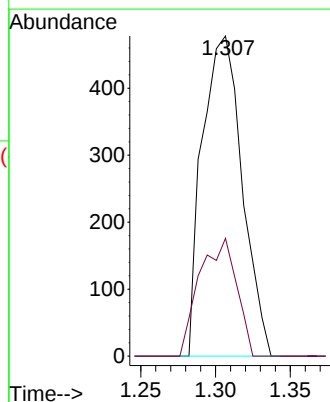
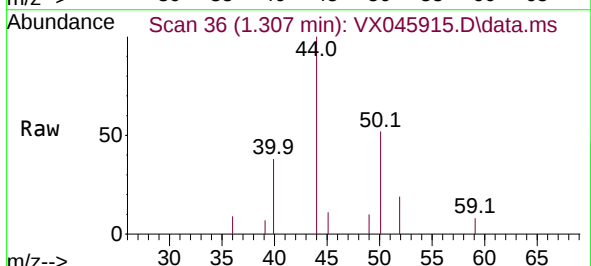
Instrument :
MSVOA_X
ClientSampleId :
VX0424MBL01

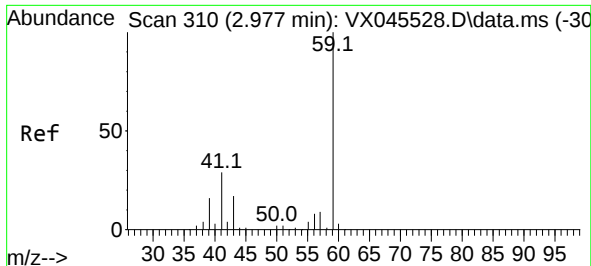
Tgt Ion:168 Resp: 68607
Ion Ratio Lower Upper
168 100
99 71.7 52.3 78.5



#3
Chloromethane
Concen: 0.840 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

Tgt Ion: 50 Resp: 885
Ion Ratio Lower Upper
50 100
52 36.8 25.9 38.9





#11

Tert butyl alcohol

Concen: 1.216 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.043 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

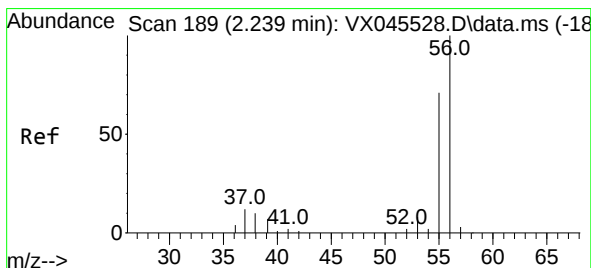
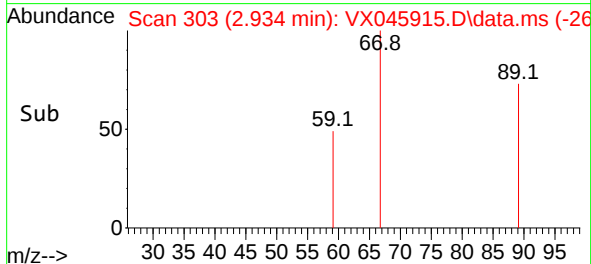
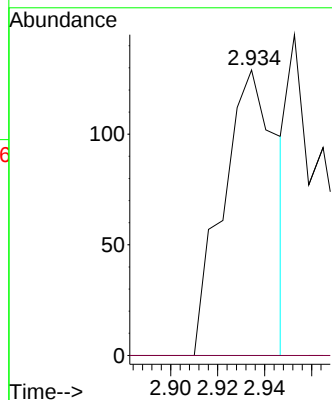
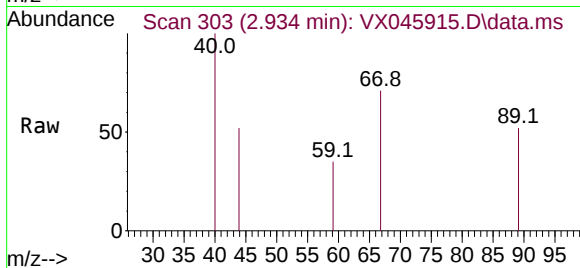
VX0424MBL01

Tgt Ion: 59 Resp: 205

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.422 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX045915.D

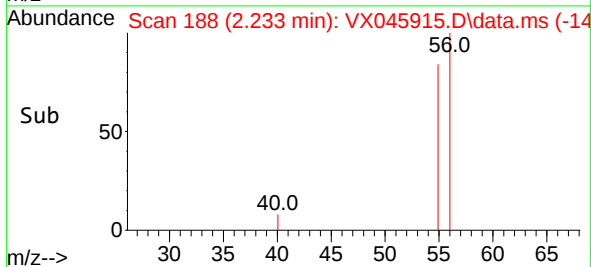
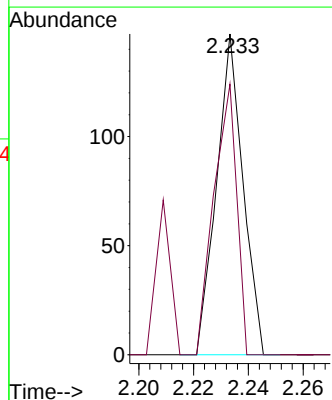
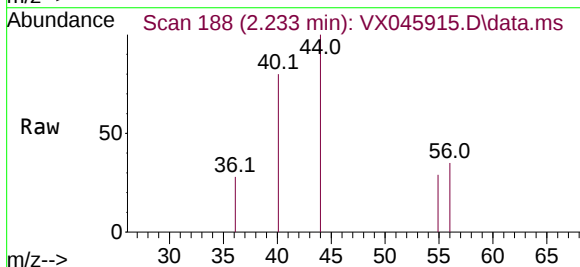
Acq: 24 Apr 2025 10:29

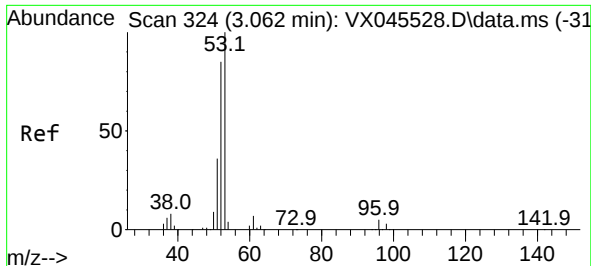
Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 73.5 56.2 84.2





#15

Acrylonitrile

Concen: 0.353 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0424MBL01

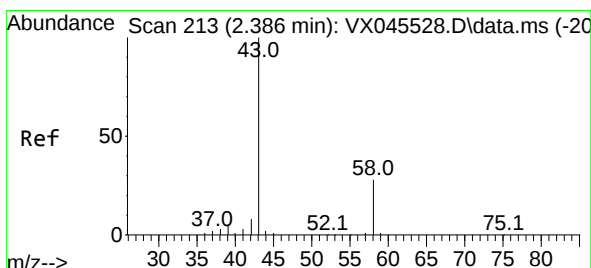
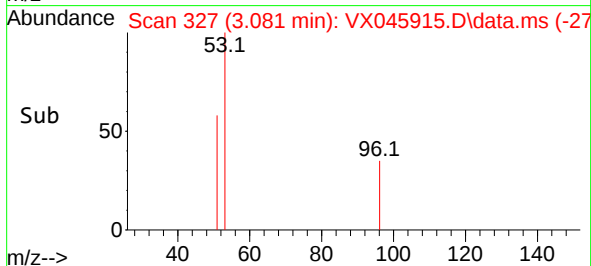
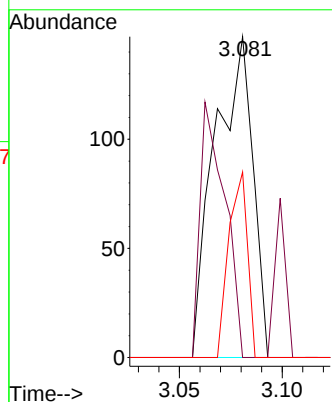
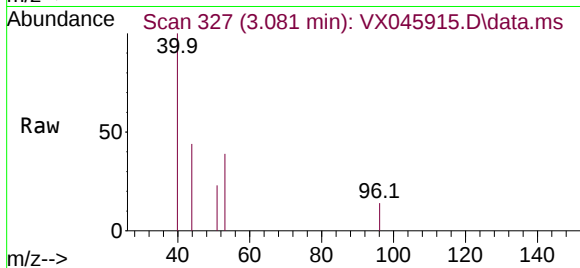
Tgt Ion: 53 Resp: 188

Ion Ratio Lower Upper

53 100

52 14.4 67.4 101.2#

51 28.7 29.9 44.9#



#16

Acetone

Concen: 2.438 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045915.D

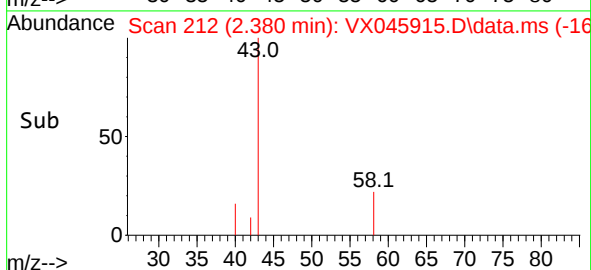
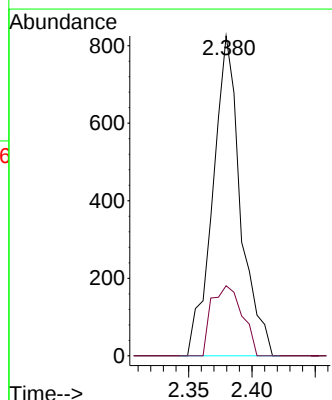
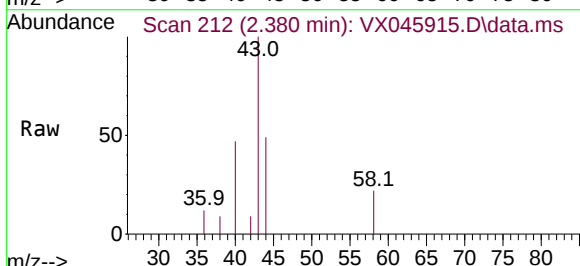
Acq: 24 Apr 2025 10:29

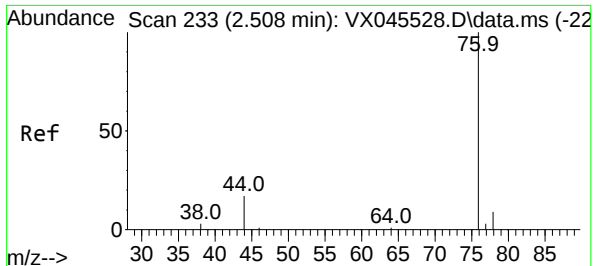
Tgt Ion: 43 Resp: 1256

Ion Ratio Lower Upper

43 100

58 21.9 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.493 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

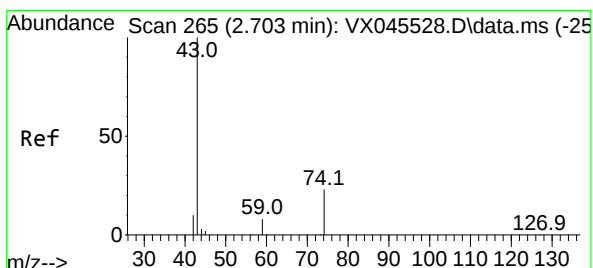
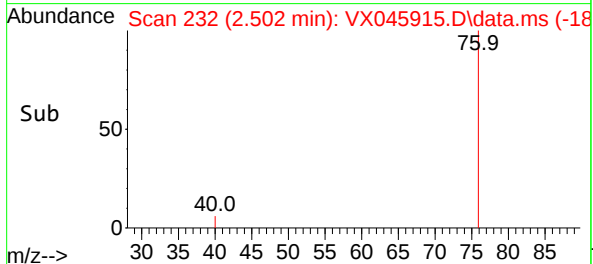
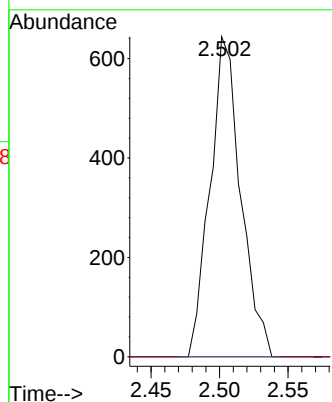
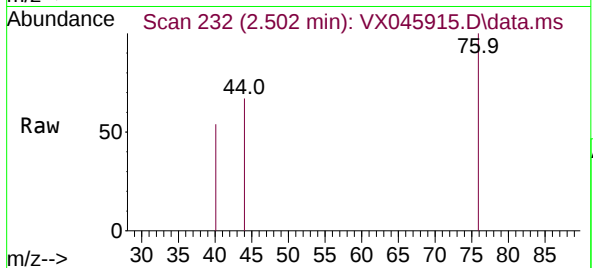
VX0424MBL01

Tgt Ion: 76 Resp: 1002

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.267 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045915.D

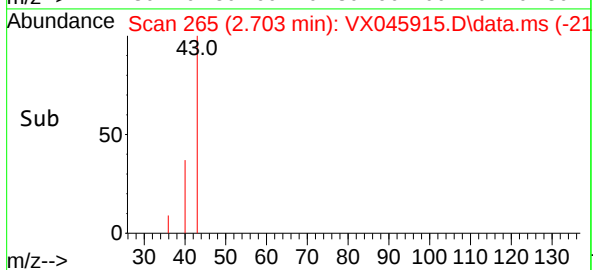
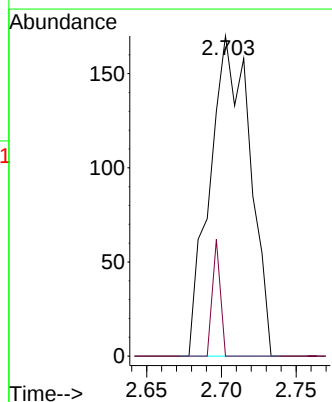
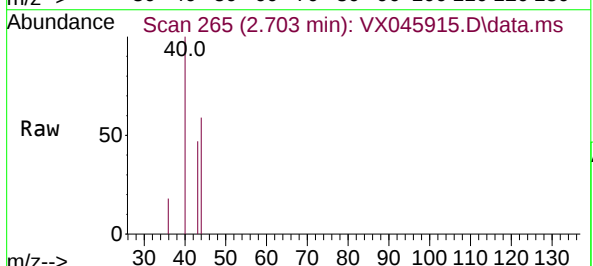
Acq: 24 Apr 2025 10:29

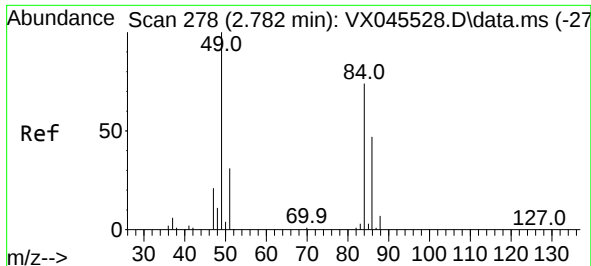
Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

43 100

74 7.3 17.5 26.3#

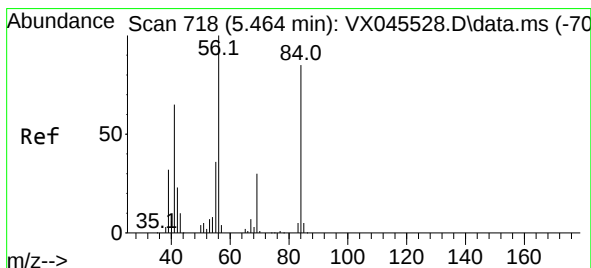
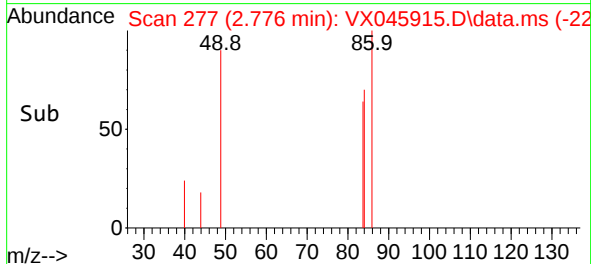
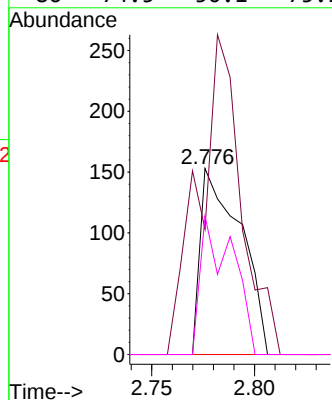
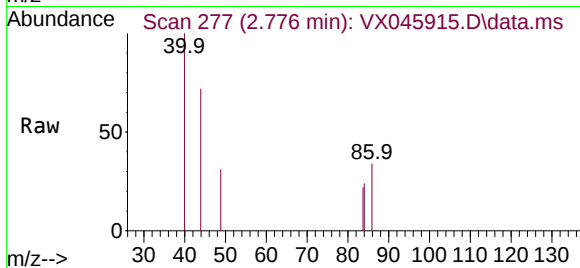




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

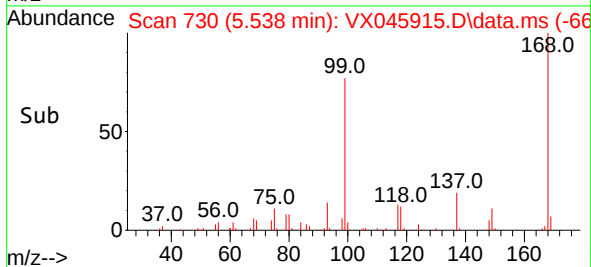
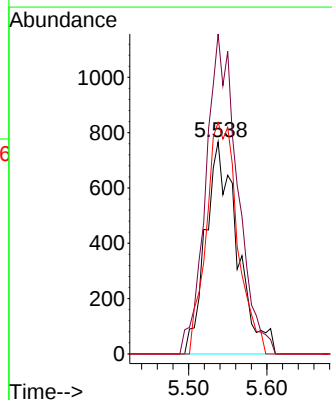
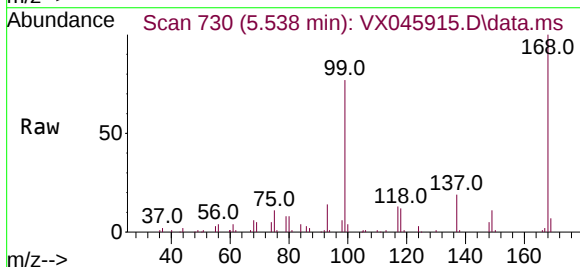
Instrument :
MSVOA_X
ClientSampleId :
VX0424MBL01

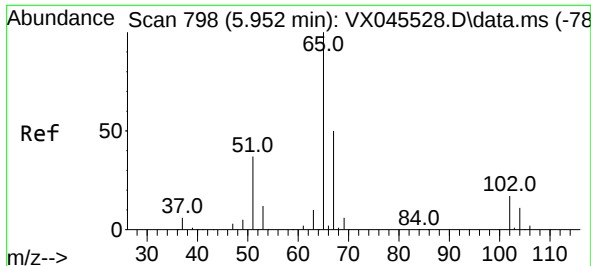
Tgt Ion:	84	Resp:	208
Ion	Ratio	Lower	Upper
84	100		
49	67.3	107.5	161.3#
51	0.0	33.0	49.6#
86	74.5	50.1	75.1



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

Tgt Ion:	56	Resp:	2158
Ion	Ratio	Lower	Upper
56	100		
69	150.8	23.6	35.4#
84	109.1	67.7	101.5#





#33

1,2-Dichloroethane-d4

Concen: 54.093 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

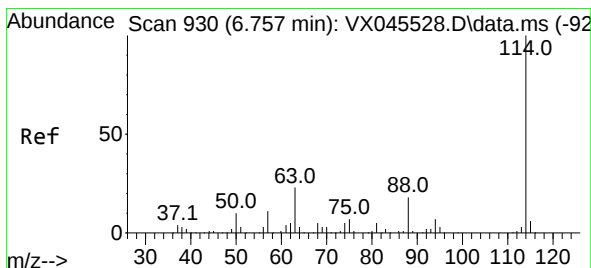
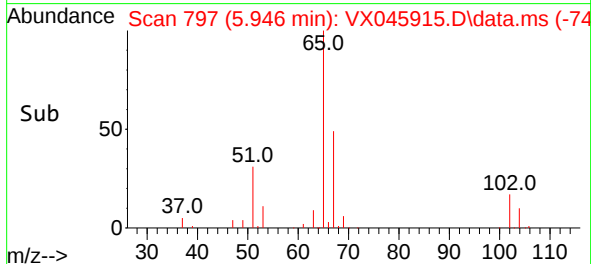
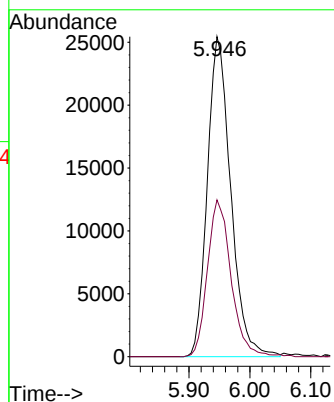
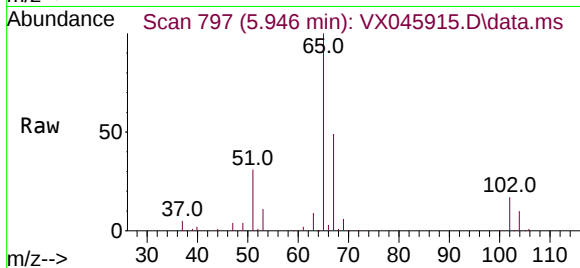
VX0424MBL01

Tgt Ion: 65 Resp: 67867

Ion Ratio Lower Upper

65 100

67 49.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

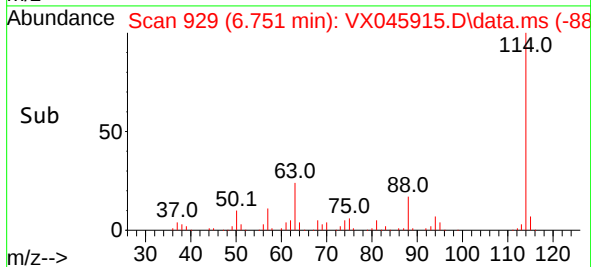
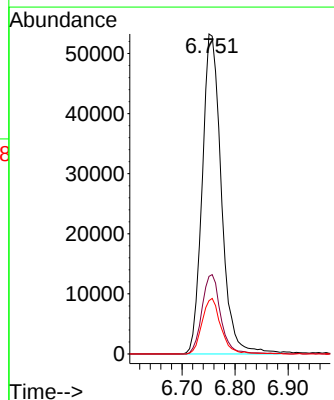
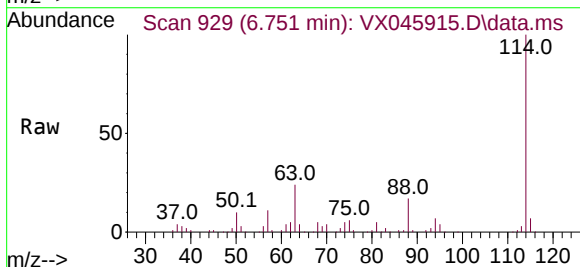
Tgt Ion: 114 Resp: 133569

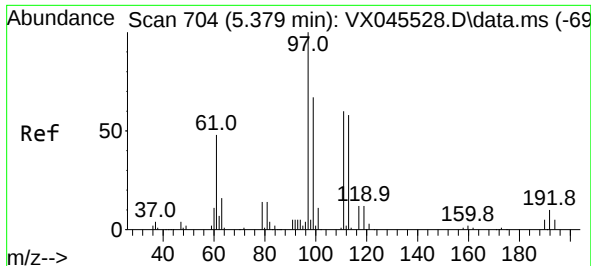
Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.8

88 16.6 0.0 35.4

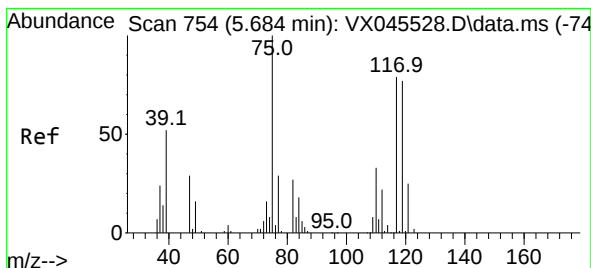
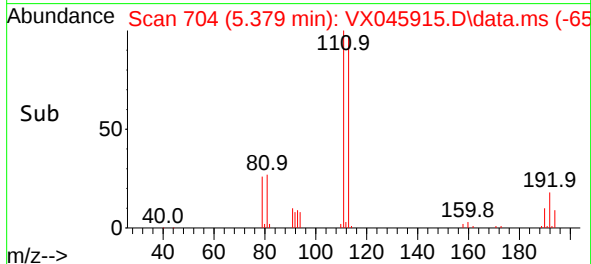
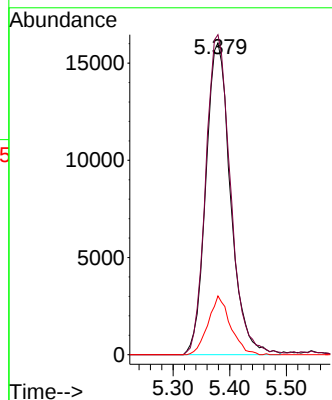
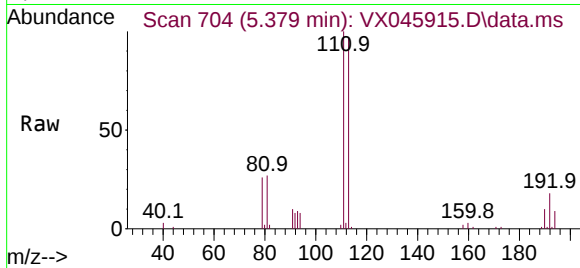




#35
Dibromofluoromethane
Concen: 51.144 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

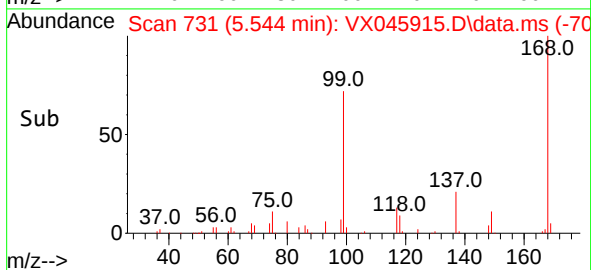
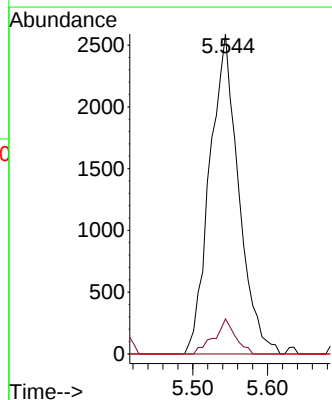
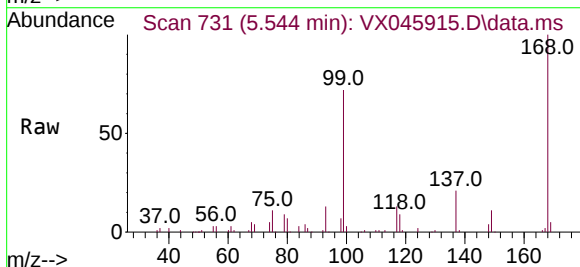
Instrument :
MSVOA_X
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VX0424MBL01

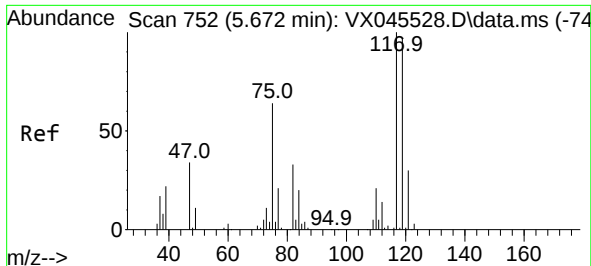
Tgt Ion:113 Resp: 48468
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

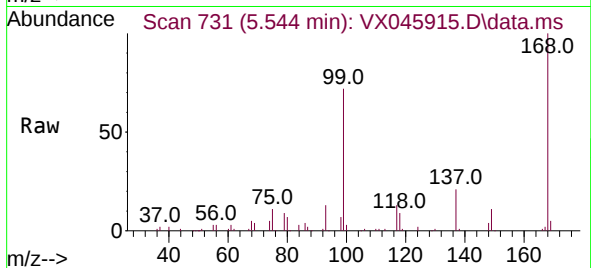
Tgt Ion: 75 Resp: 6964
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



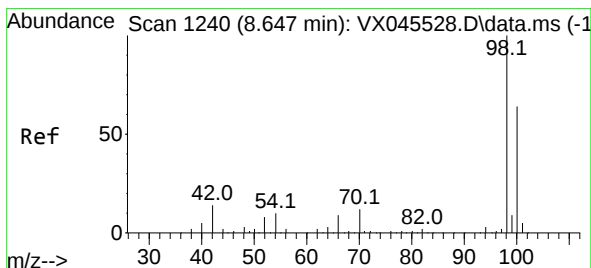
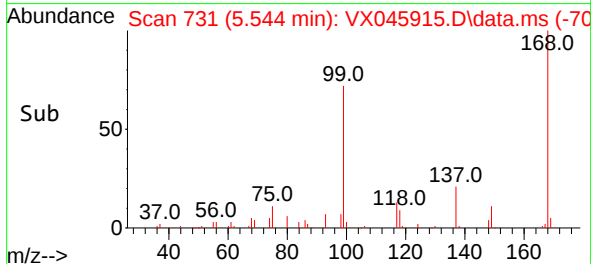
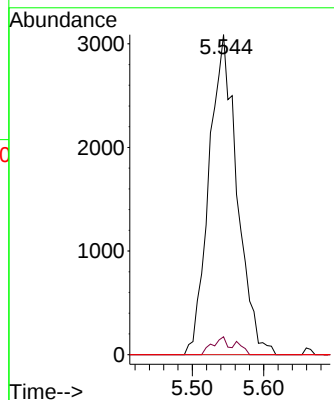


#38
Carbon Tetrachloride
Concen: 6.087 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0424MBL01

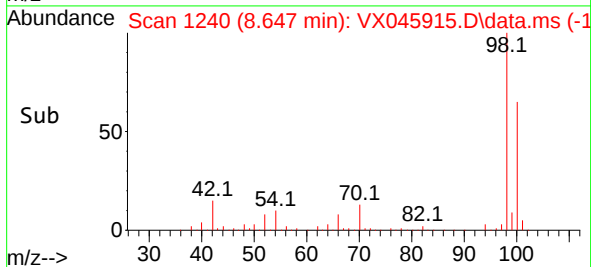
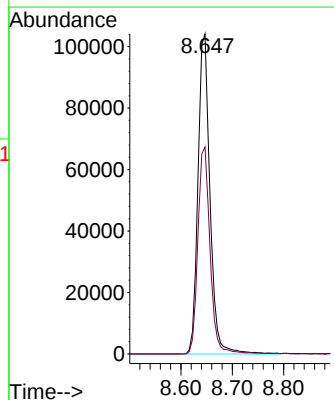
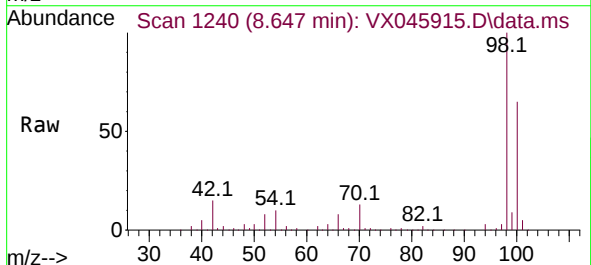


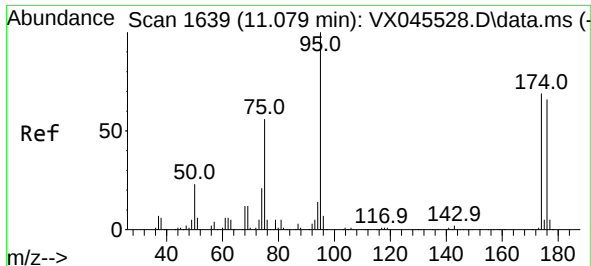
Tgt Ion:117 Resp: 8418
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.121 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

Tgt Ion: 98 Resp: 169097
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 53.025 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0424MBL01

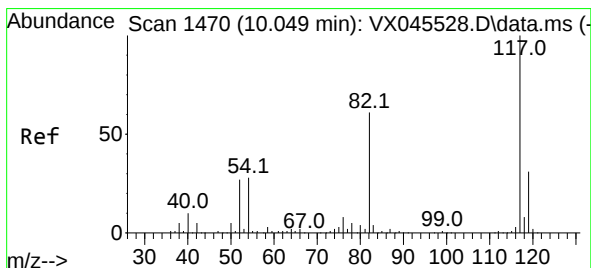
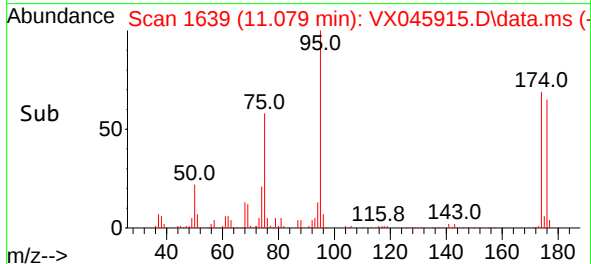
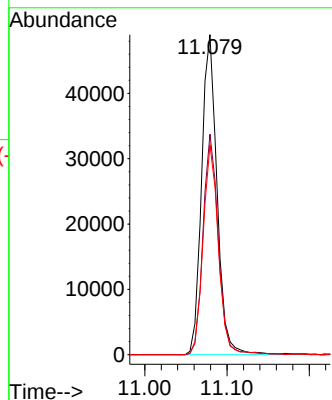
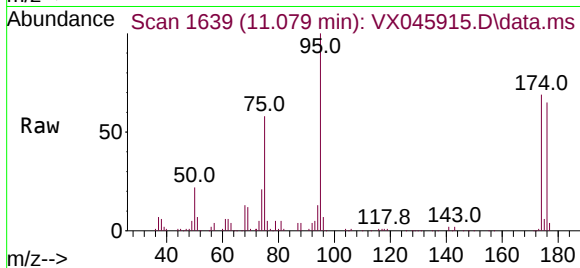
Tgt Ion: 95 Resp: 63887

Ion Ratio Lower Upper

95 100

174 68.4 0.0 135.8

176 65.0 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045915.D

Acq: 24 Apr 2025 10:29

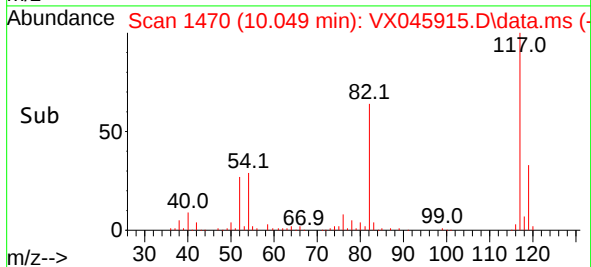
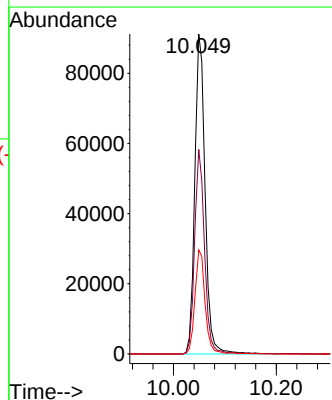
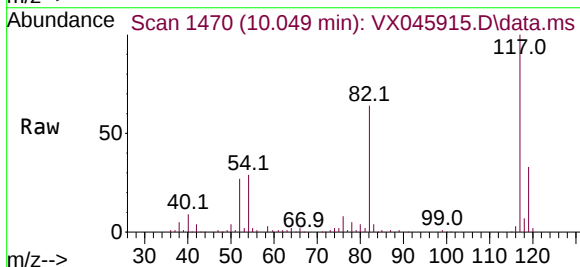
Tgt Ion: 117 Resp: 127051

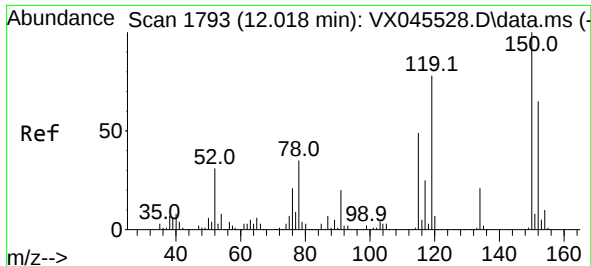
Ion Ratio Lower Upper

117 100

82 63.9 49.2 73.8

119 32.5 25.1 37.7

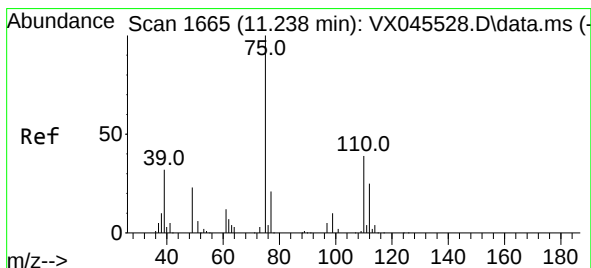
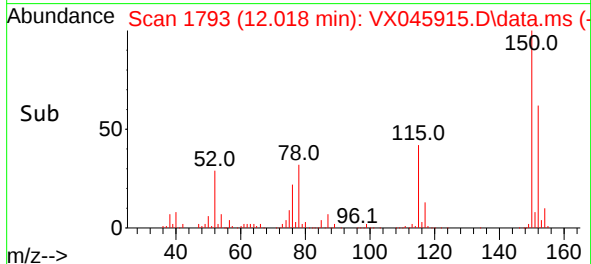
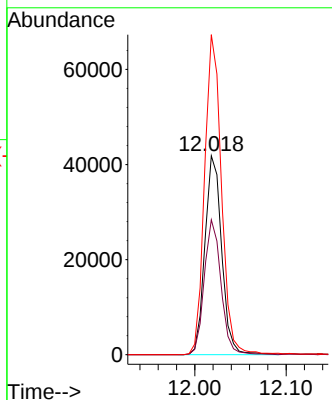
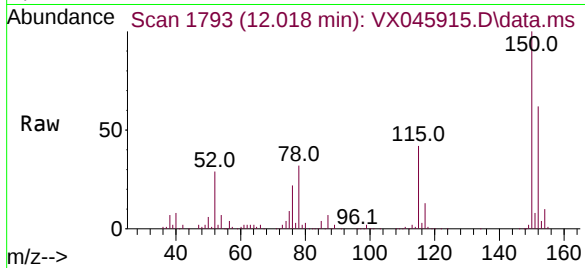




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

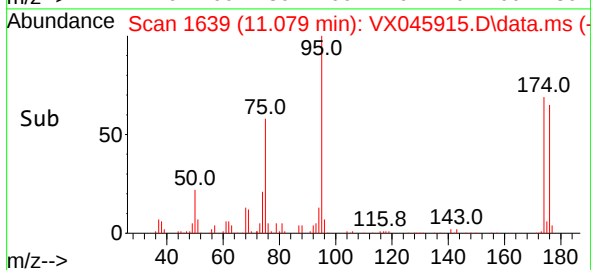
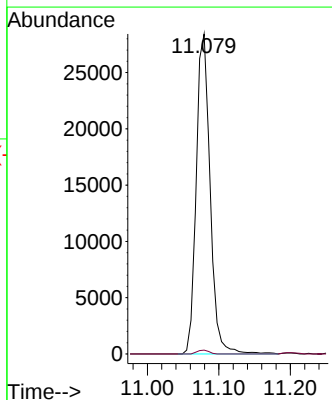
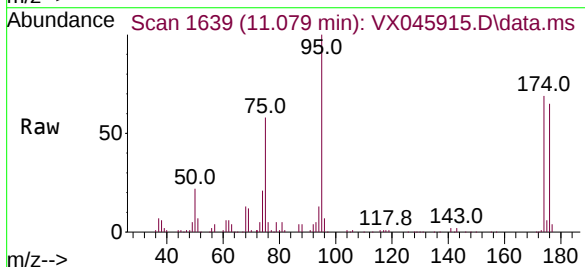
Instrument :
MSVOA_X
ClientSampleId :
VX0424MBL01

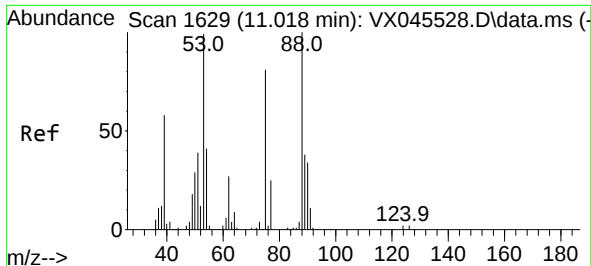
Tgt Ion:152 Resp: 53400
Ion Ratio Lower Upper
152 100
115 67.4 46.9 140.7
150 161.9 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 29.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

Tgt Ion: 75 Resp: 38276
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

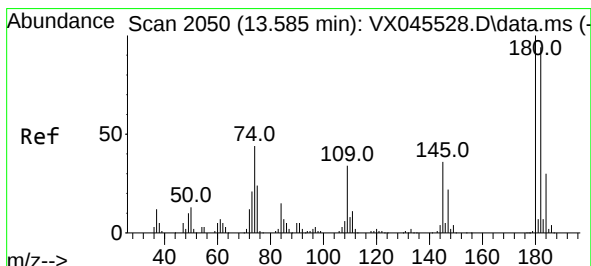
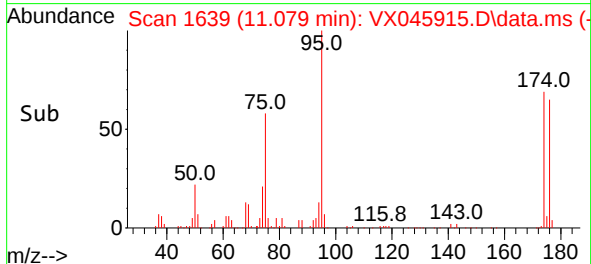
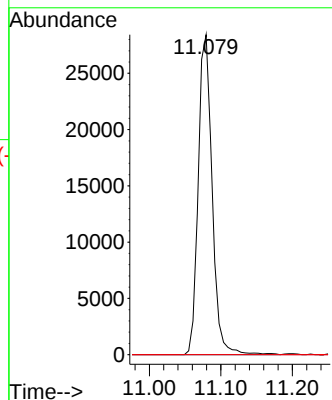
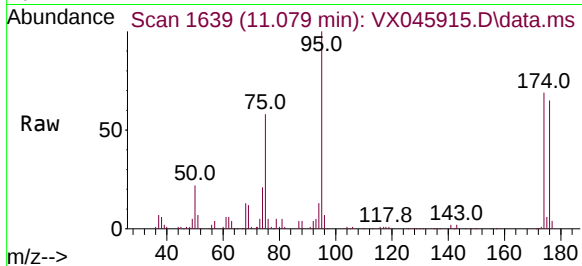




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.730 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045915.D
 Acq: 24 Apr 2025 10:29

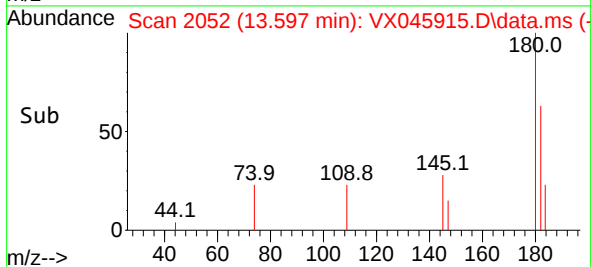
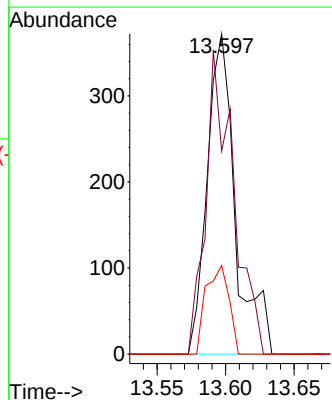
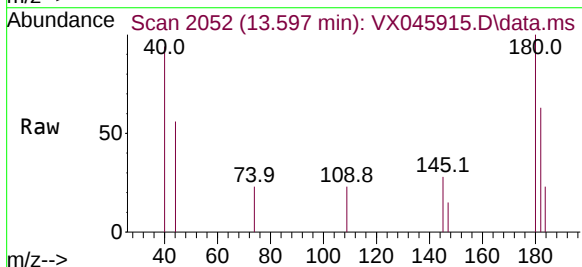
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424MBL01

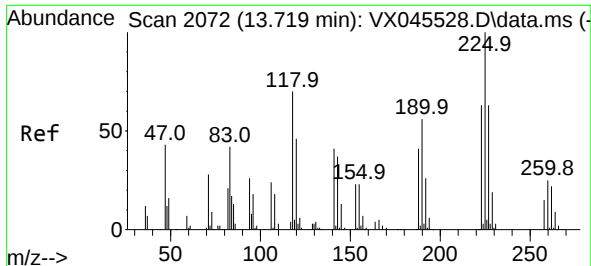
Tgt Ion: 75 Resp: 38276
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.532 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045915.D
 Acq: 24 Apr 2025 10:29

Tgt Ion:180 Resp: 530
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.9 143.6
 145 22.6 17.9 53.8

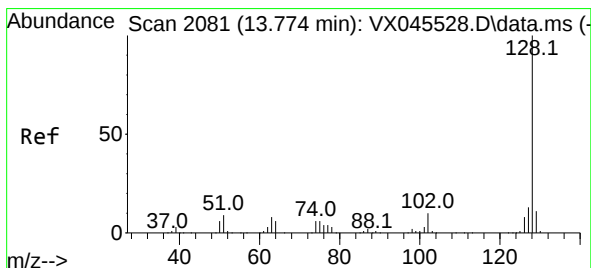
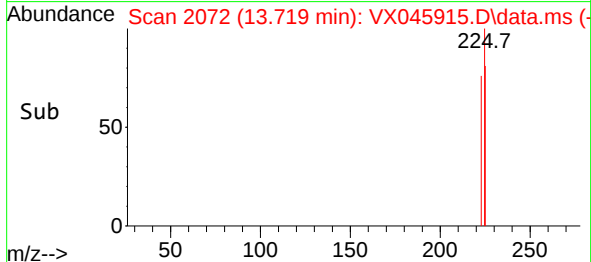
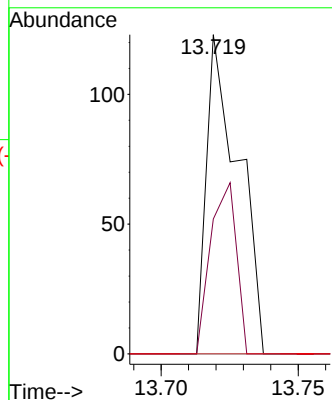
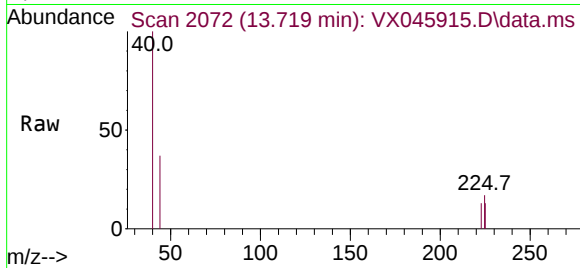




#94
Hexachlorobutadiene
Concen: 0.233 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

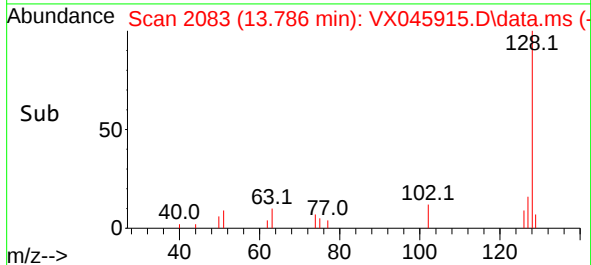
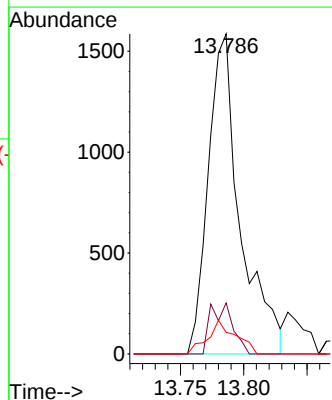
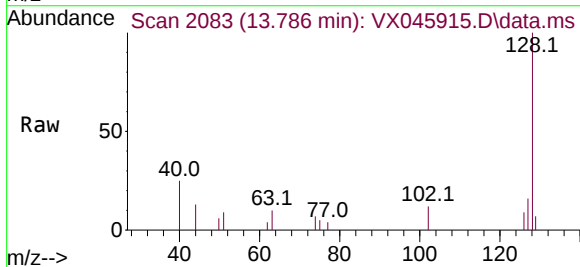
Instrument :
MSVOA_X
ClientSampleId :
VX0424MBL01

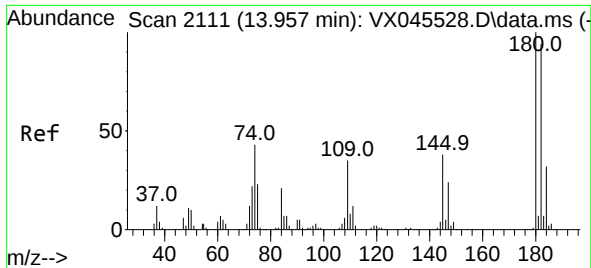
Tgt Ion:225	Resp:	100
Ion Ratio	Lower	Upper
225	100	
223	43.0	31.1 93.3
227	0.0	32.2 96.6



#95
Naphthalene
Concen: 0.752 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045915.D
Acq: 24 Apr 2025 10:29

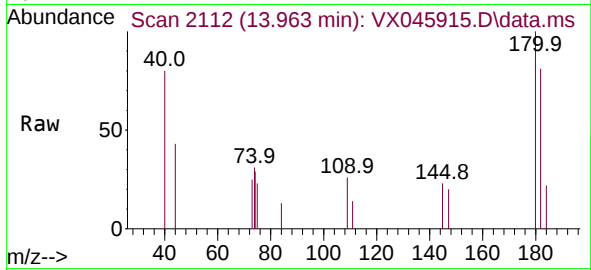
Tgt Ion:128	Resp:	2785
Ion Ratio	Lower	Upper
128	100	
127	11.1	10.3 15.5
129	9.1	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.562 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX045915.D
 Acq: 24 Apr 2025 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424MBL01



Tgt Ion:180	Resp:	586
Ion	Ratio	Lower Upper
180	100	
182	101.9	47.3 141.8
145	20.8	18.2 54.6

