

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046147.D
 Acq On : 12 May 2025 18:39
 Operator : JC/MD
 Sample : Q2004-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 R0202

Quant Time: May 13 03:22:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

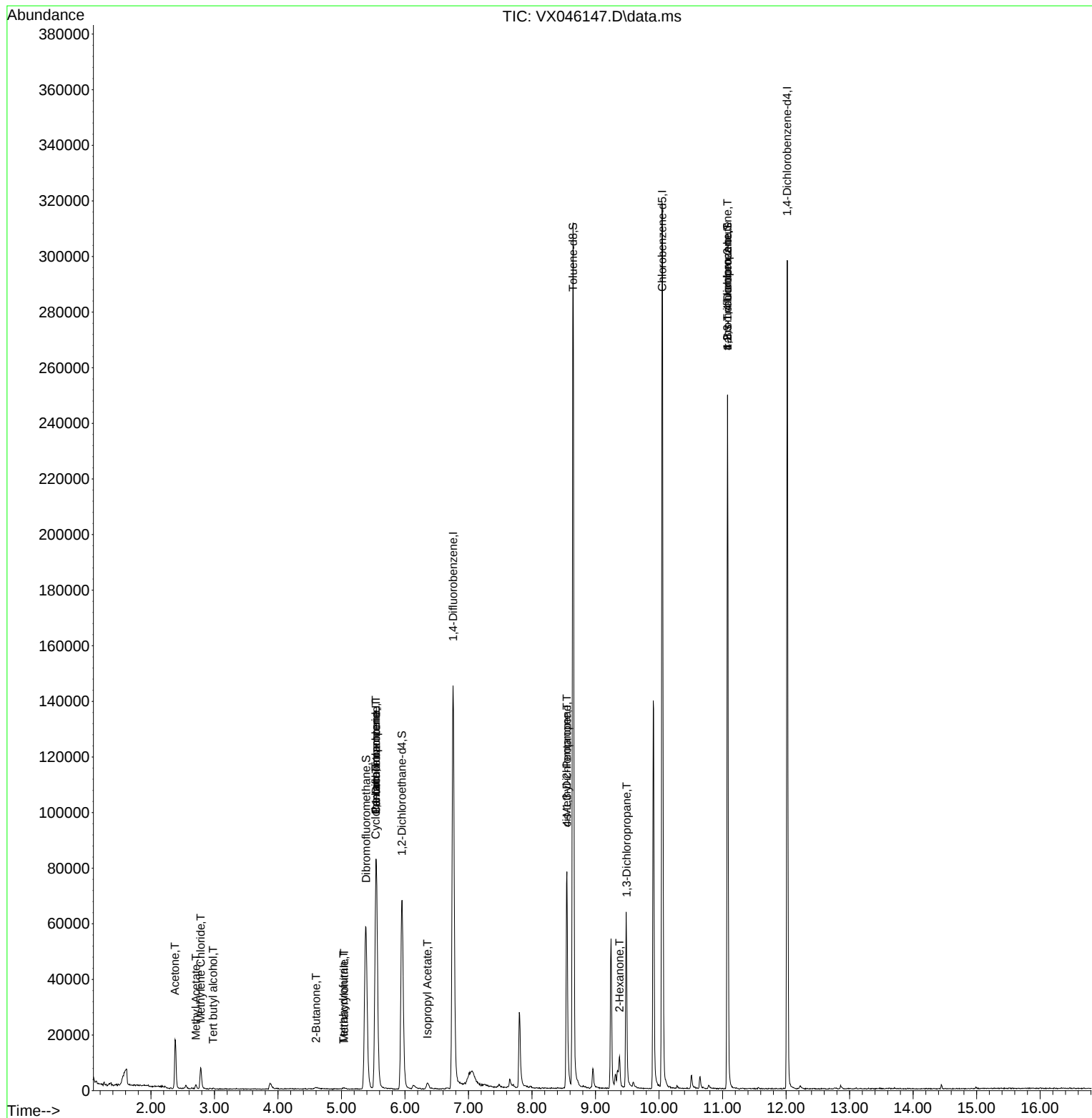
Internal Standards						
1) Pentafluorobenzene	5.544	168	70343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71472	54.500	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.000%
35) Dibromofluoromethane	5.385	113	52448	52.003	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.000%
50) Toluene-d8	8.647	98	177698	50.906	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	11.079	95	64667	48.295	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	255	1.385	ug/l #	72
16) Acetone	2.380	43	19702	37.469	ug/l	97
18) Methyl Acetate	2.709	43	1920	1.574	ug/l	93
20) Methylene Chloride	2.782	84	3356	3.331	ug/l	95
25) 2-Butanone	4.599	43	2077	2.721	ug/l #	74
29) Tetrahydrofuran	5.032	42	319	0.667	ug/l #	41
31) Cyclohexane	5.538	56	2065	1.321	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	7060	5.210	ug/l #	52
38) Carbon Tetrachloride	5.544	117	8612	5.656	ug/l #	17
41) Methacrylonitrile	5.044	41	324	0.370	ug/l #	44
43) Isopropyl Acetate	6.355	43	3558	1.393	ug/l #	91
51) 4-Methyl-2-Pentanone	8.549	43	30994	18.281	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	12023	7.982	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	519	0.301	ug/l #	42
59) 2-Hexanone	9.378	43	10231	8.157	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37188	28.459	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37188	92.654	ug/l #	1

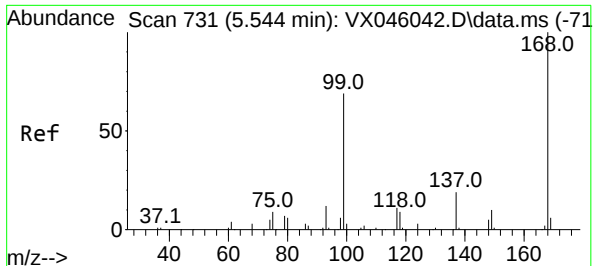
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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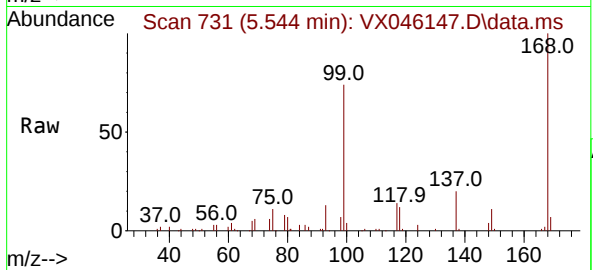
Quant Time: May 13 03:22:40 2025
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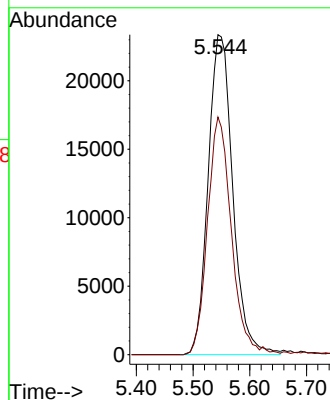
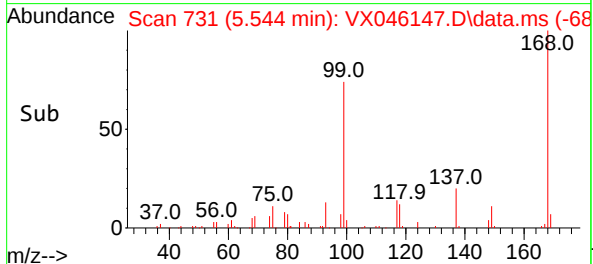


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
R0202

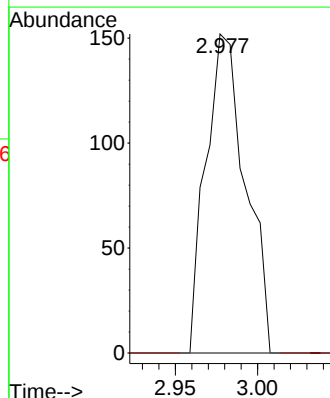
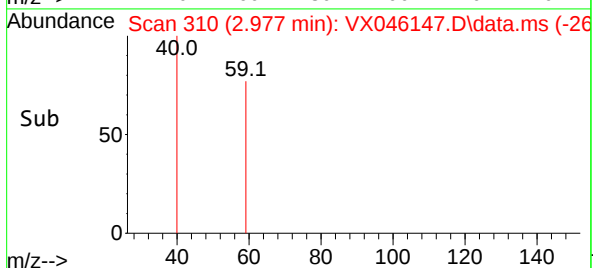
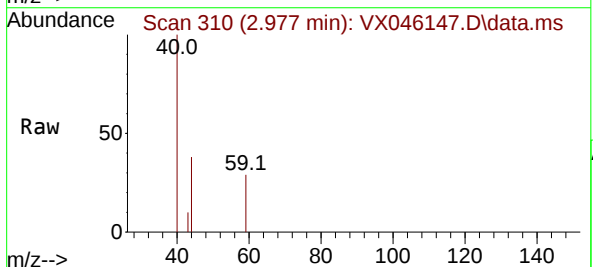


Tgt Ion:168 Resp: 70343
Ion Ratio Lower Upper
168 100
99 74.3 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.385 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

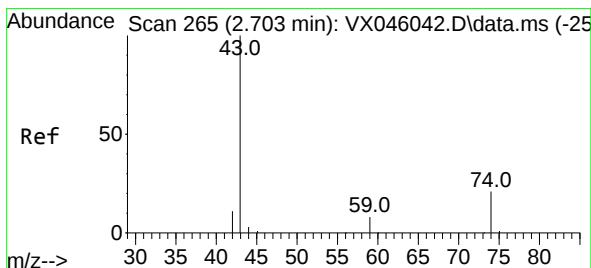
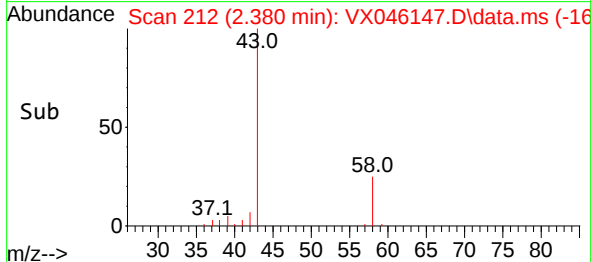
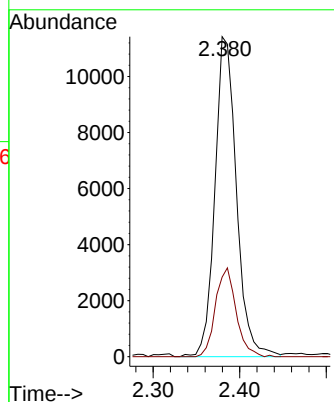
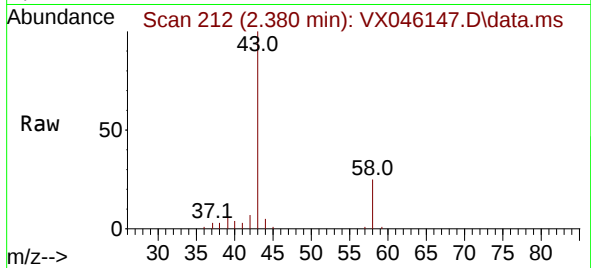




#16
Acetone
Concen: 37.469 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

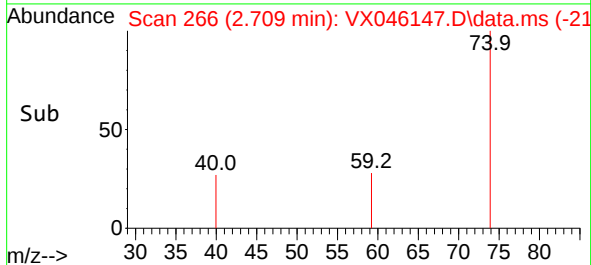
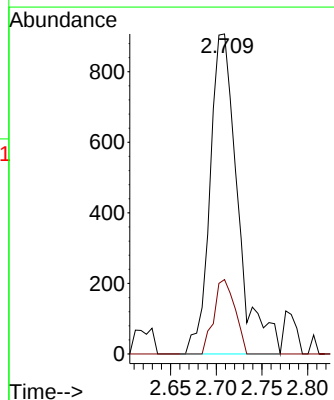
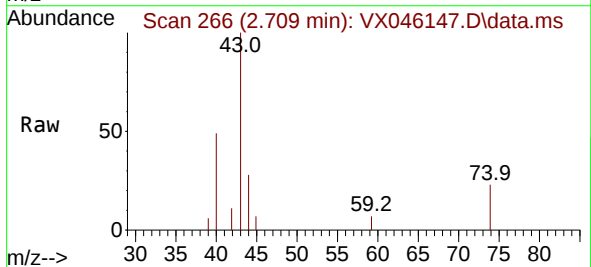
Instrument :
MSVOA_X
ClientSampleId :
R0202

Tgt Ion: 43 Resp: 19702
Ion Ratio Lower Upper
43 100
58 24.8 21.2 31.8



#18
Methyl Acetate
Concen: 1.574 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
74 17.7 16.7 25.1

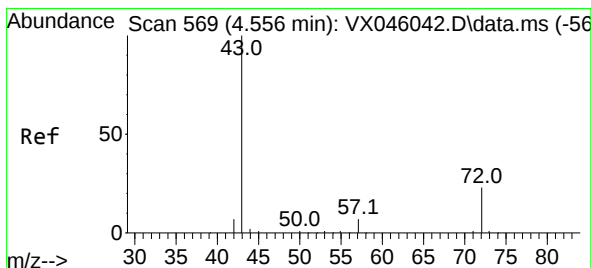
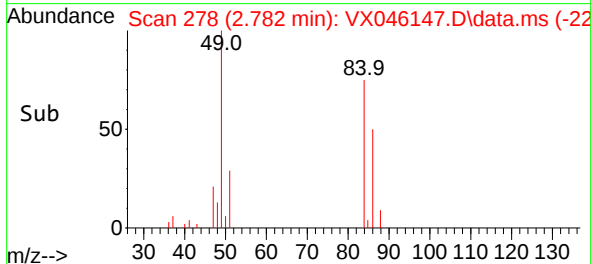
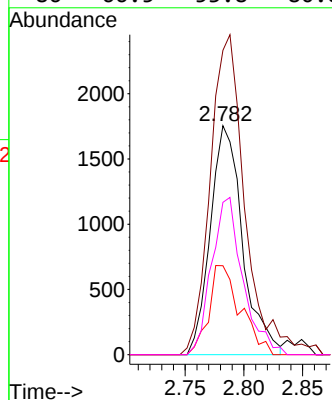
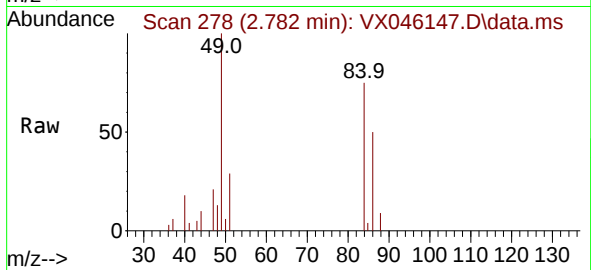




#20
Methylene Chloride
Concen: 3.331 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

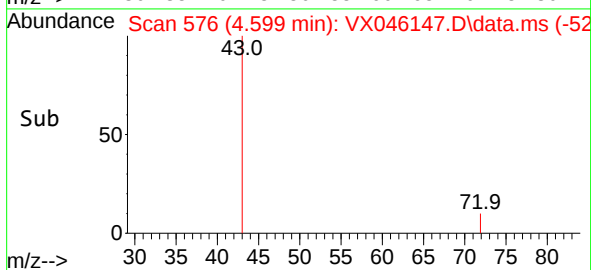
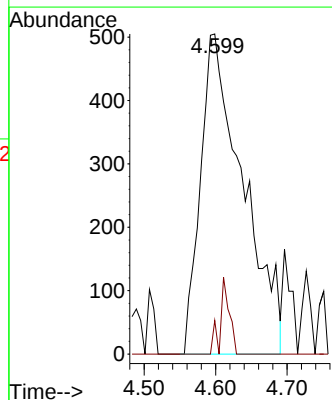
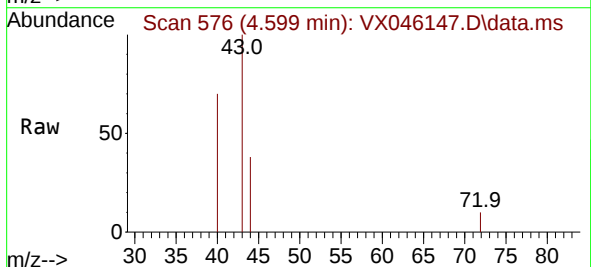
Instrument :
MSVOA_X
ClientSampleId :
R0202

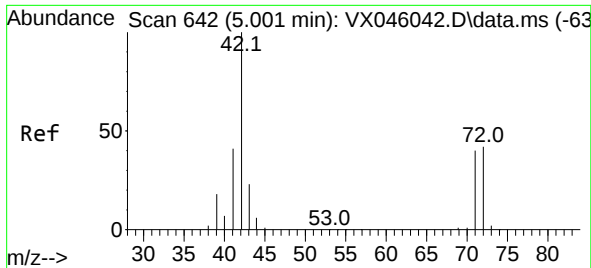
Tgt Ion:	84	Resp:	3356
Ion	Ratio	Lower	Upper
84	100		
49	132.9	113.9	170.9
51	38.9	33.5	50.3
86	66.5	53.8	80.8



#25
2-Butanone
Concen: 2.721 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion:	43	Resp:	2077
Ion	Ratio	Lower	Upper
43	100		
72	10.5	18.4	27.6#

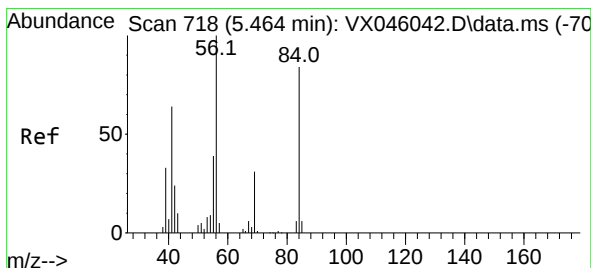
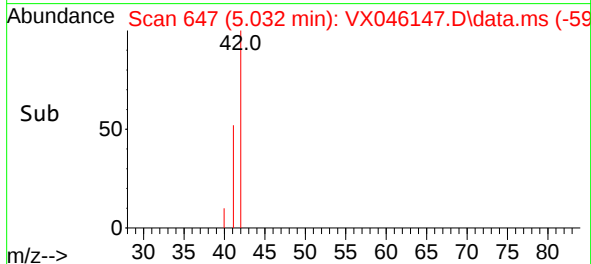
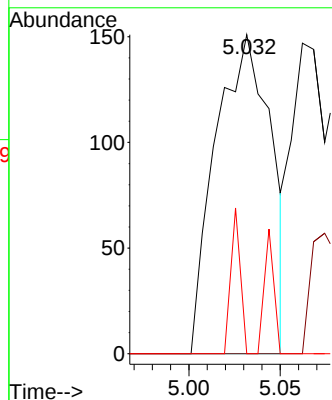
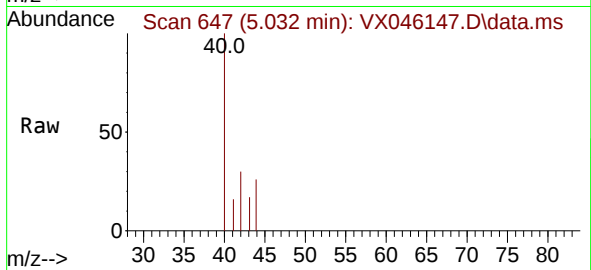




#29
Tetrahydrofuran
Concen: 0.667 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.030 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

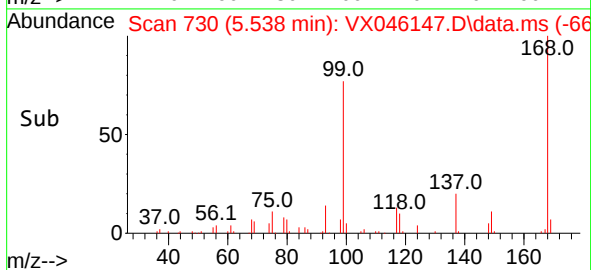
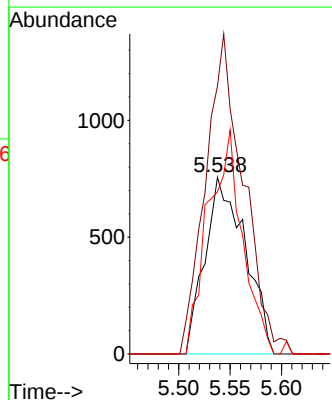
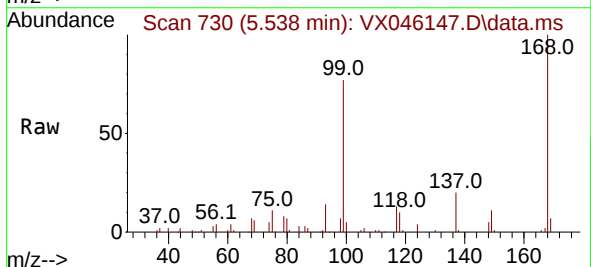
Instrument :
MSVOA_X
ClientSampleId :
R0202

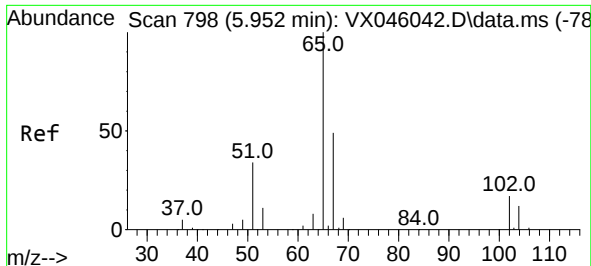
Tgt Ion: 42 Resp: 319
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 7.8 31.4 47.2#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 56 Resp: 2065
Ion Ratio Lower Upper
56 100
69 151.5 24.4 36.6#
84 91.8 66.9 100.3

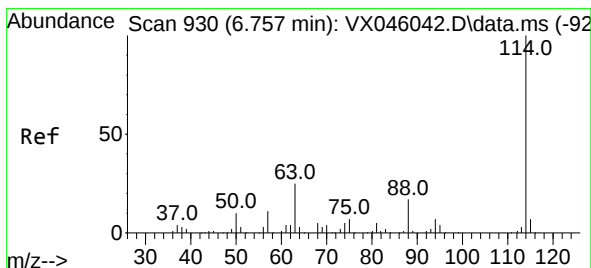
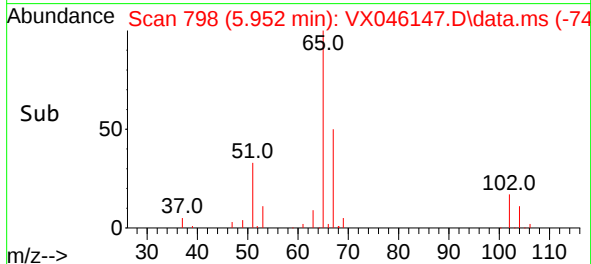
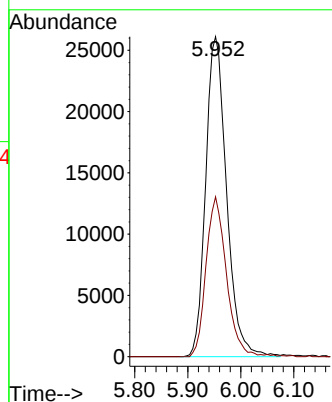
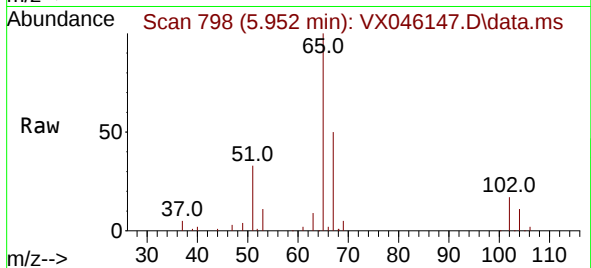




#33
 1,2-Dichloroethane-d4
 Concen: 54.500 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046147.D
 Acq: 12 May 2025 18:39

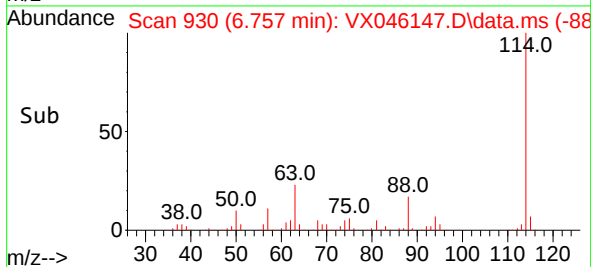
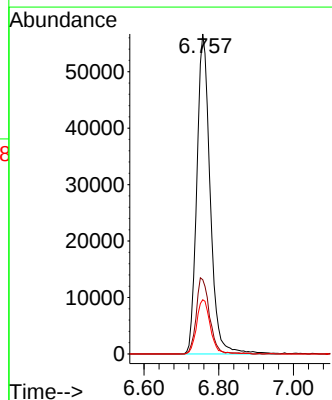
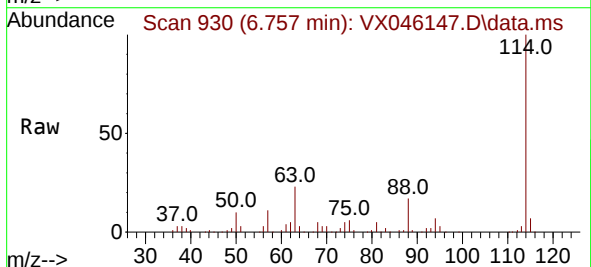
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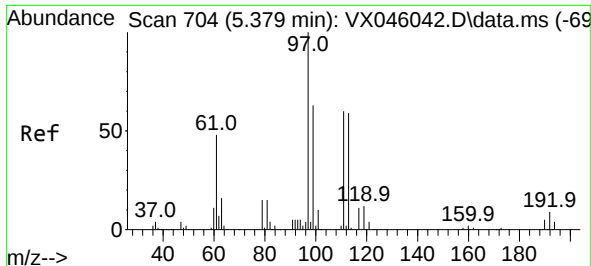
Tgt Ion: 65 Resp: 71472
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046147.D
 Acq: 12 May 2025 18:39

Tgt Ion: 114 Resp: 140056
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 49.2
 88 16.9 0.0 33.6

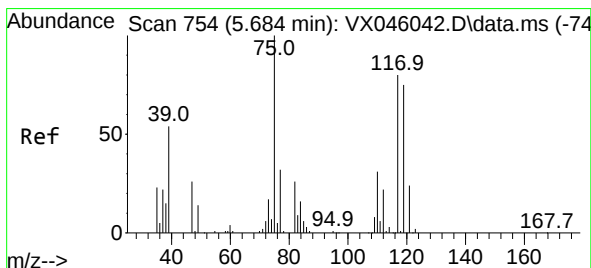
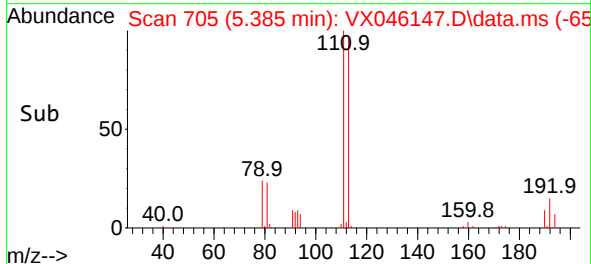
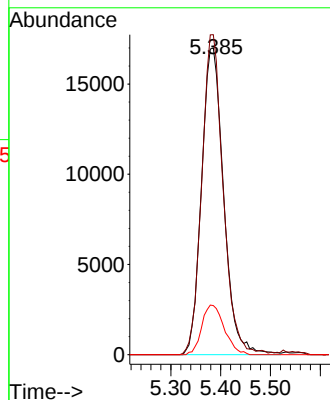
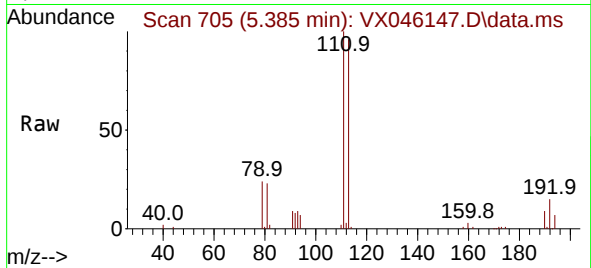




#35
Dibromofluoromethane
Concen: 52.003 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

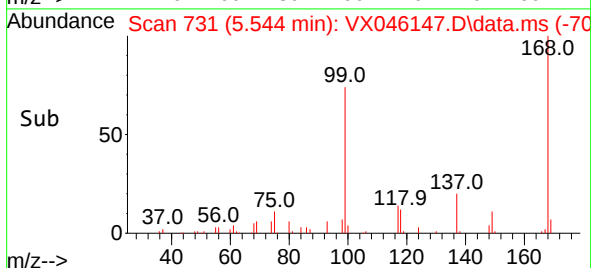
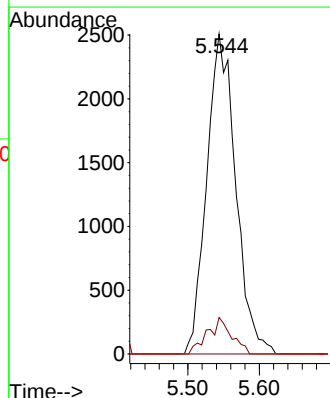
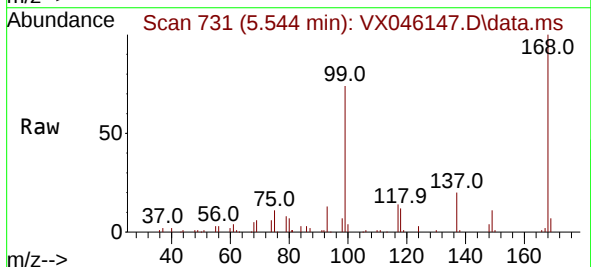
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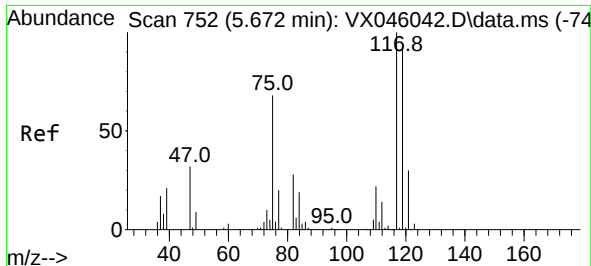
Tgt Ion:113 Resp: 52448
Ion Ratio Lower Upper
113 100
111 101.0 83.1 124.7
192 16.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

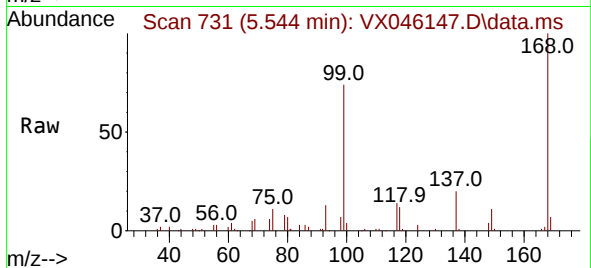
Tgt Ion: 75 Resp: 7060
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.3 36.5#



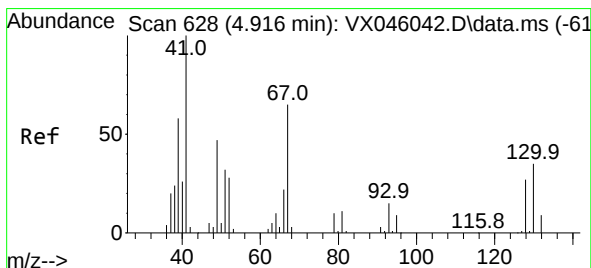
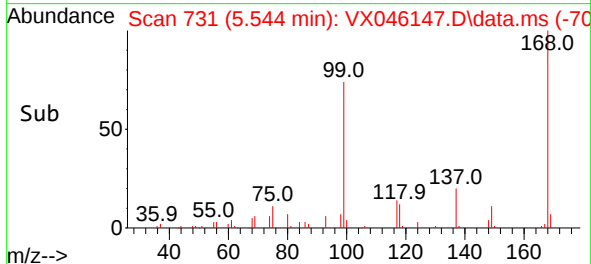
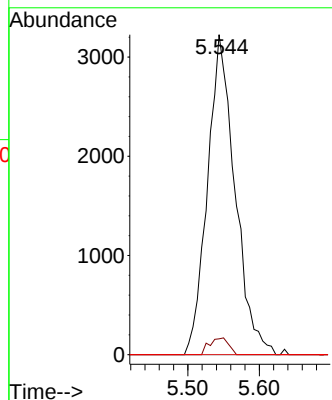


#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
R0202

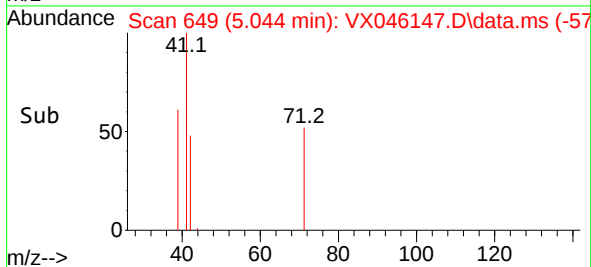
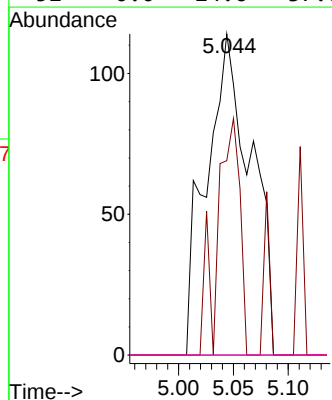
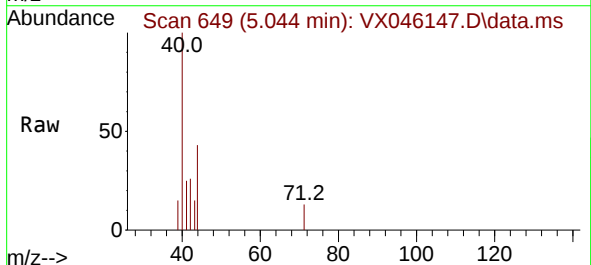


Tgt Ion:117 Resp: 8612
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.370 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
39 37.3 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 1.393 ug/l

RT: 6.355 min Scan# 8

Delta R.T. 0.018 min

Lab File: VX046147.D

Acq: 12 May 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

R0202

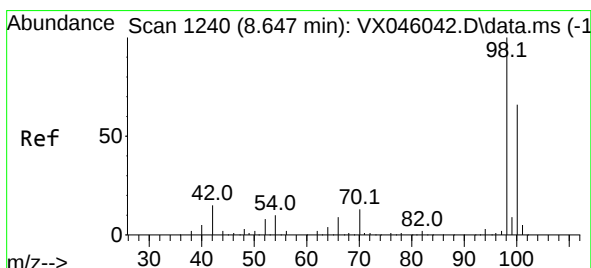
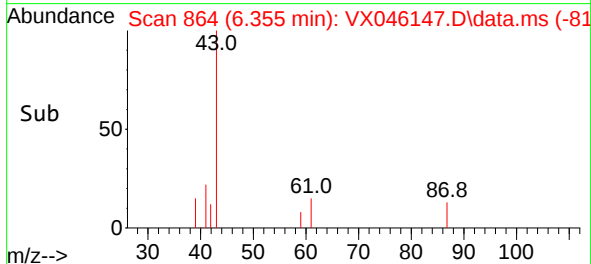
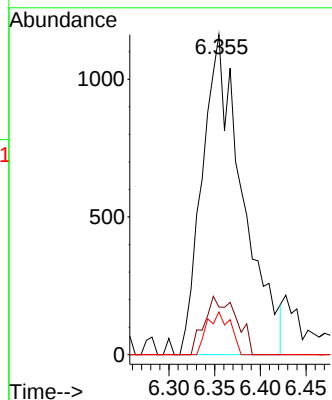
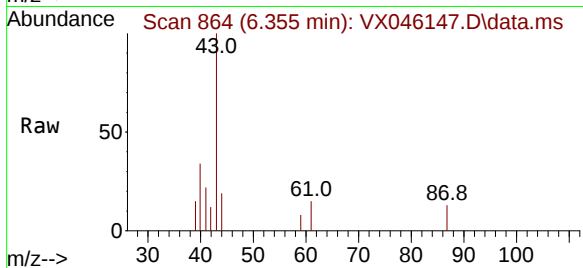
Tgt Ion: 43 Resp: 3558

Ion Ratio Lower Upper

43 100

61 14.4 14.3 21.5

87 7.7 9.5 14.3#



#50

Toluene-d8

Concen: 50.906 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046147.D

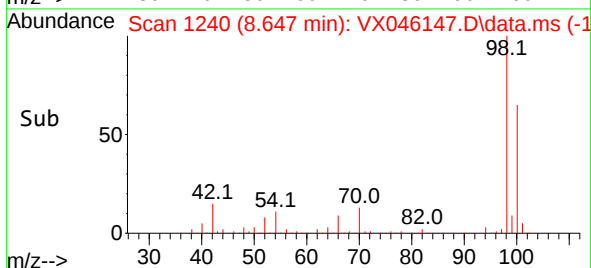
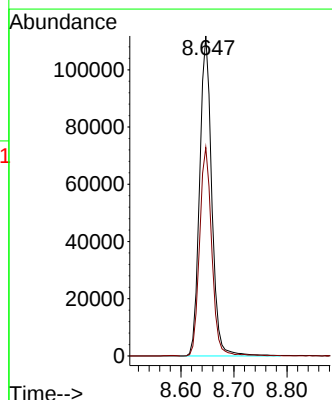
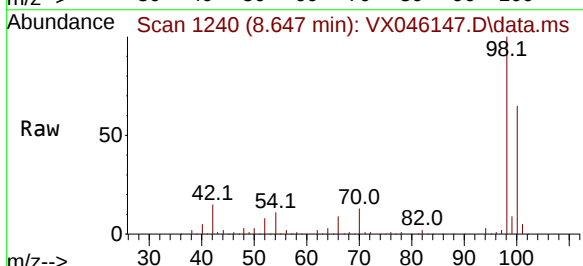
Acq: 12 May 2025 18:39

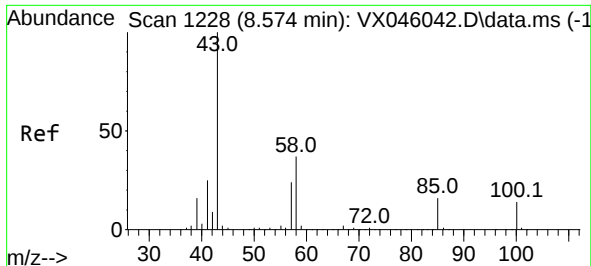
Tgt Ion: 98 Resp: 177698

Ion Ratio Lower Upper

98 100

100 65.6 53.5 80.3

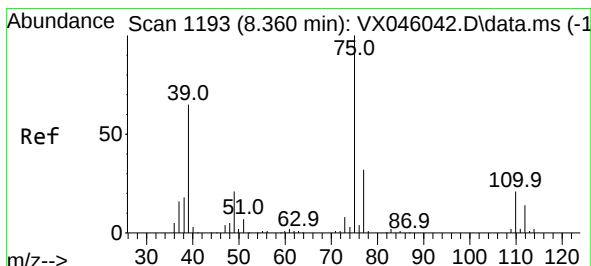
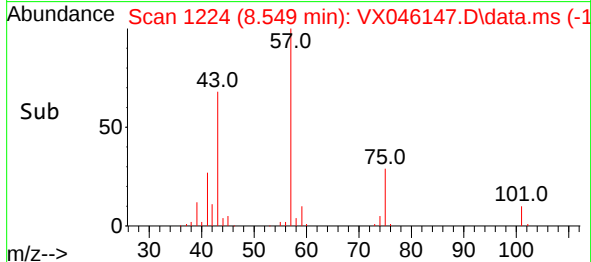
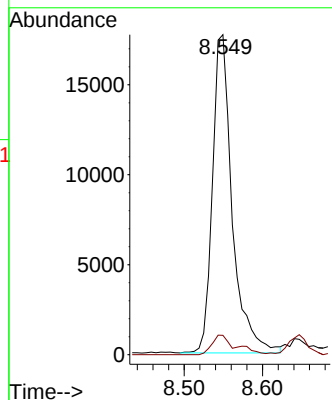
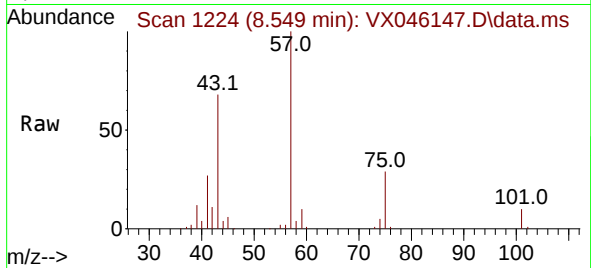




#51
4-Methyl-2-Pentanone
Concen: 18.281 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

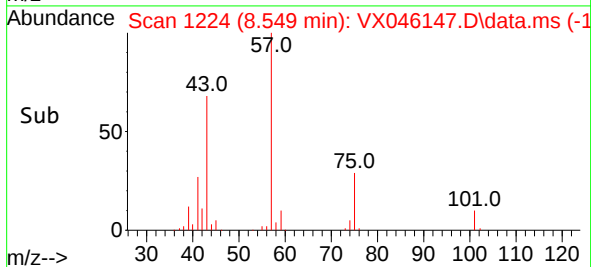
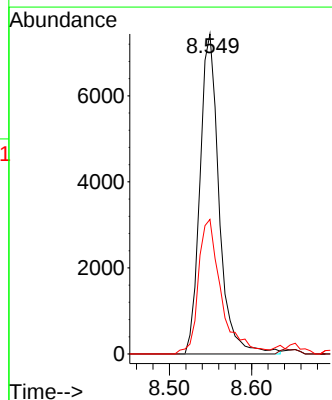
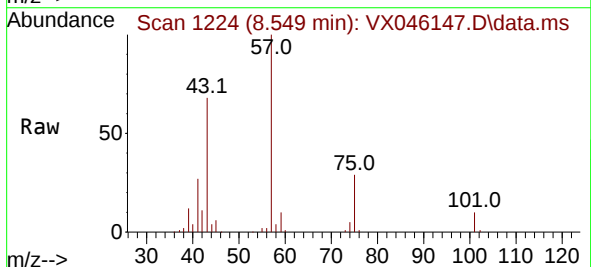
Instrument :
MSVOA_X
ClientSampleId :
R0202

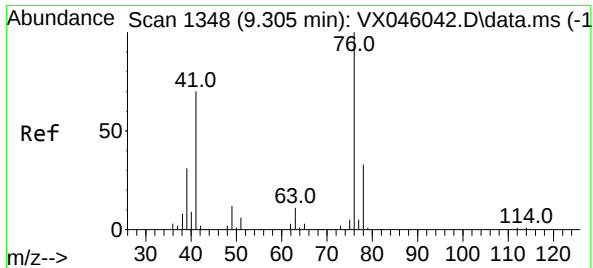
Tgt Ion: 43 Resp: 30994
Ion Ratio Lower Upper
43 100
58 5.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 7.982 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 75 Resp: 12023
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 40.8 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.301 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX046147.D

Acq: 12 May 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

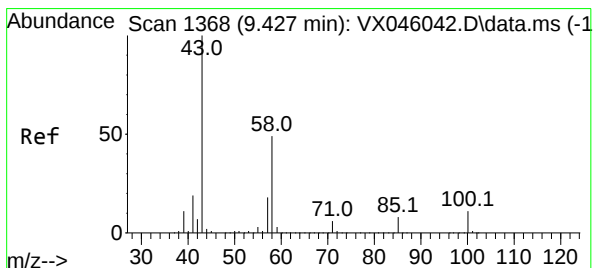
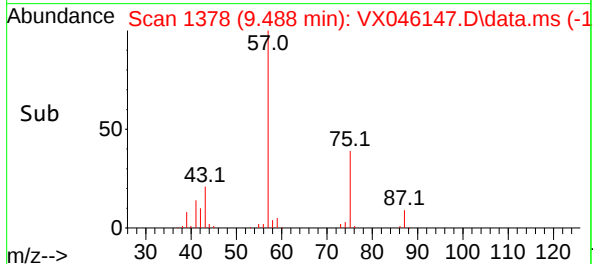
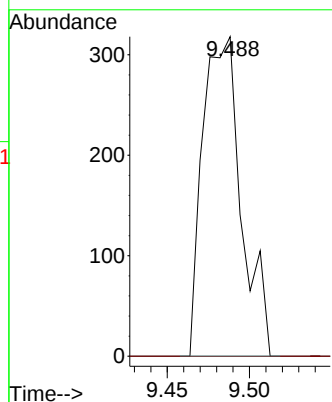
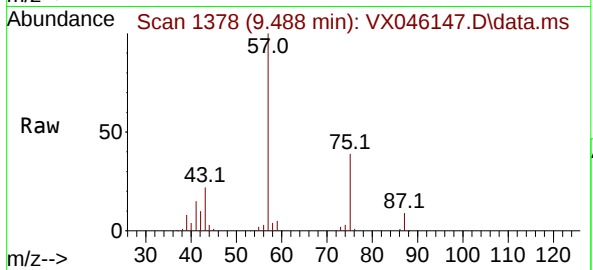
R0202

Tgt Ion: 76 Resp: 519

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.157 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046147.D

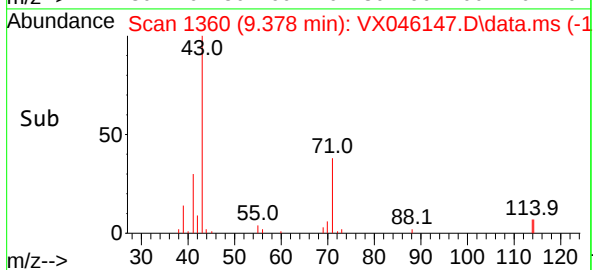
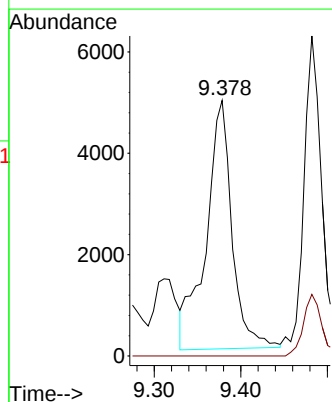
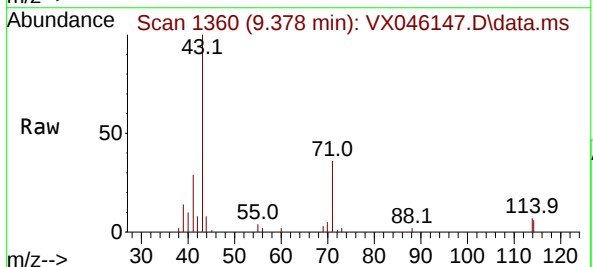
Acq: 12 May 2025 18:39

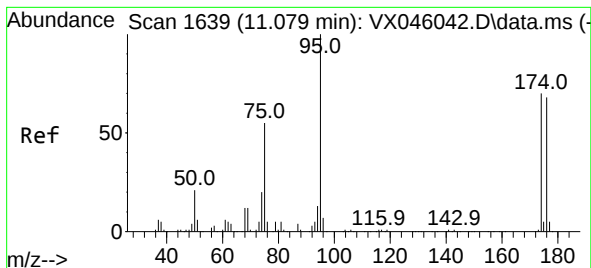
Tgt Ion: 43 Resp: 10231

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

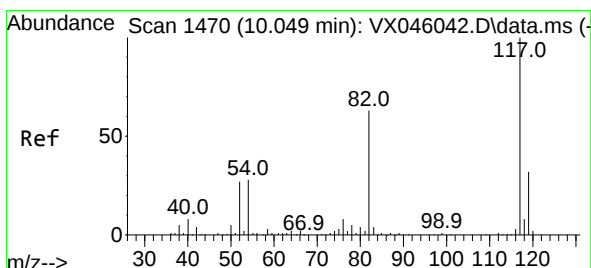
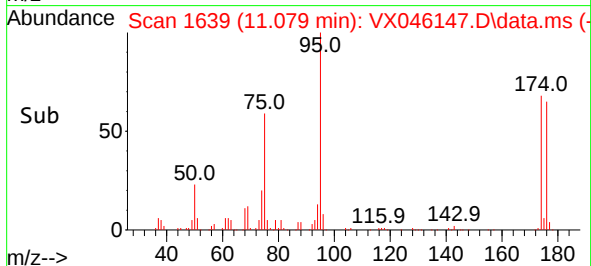
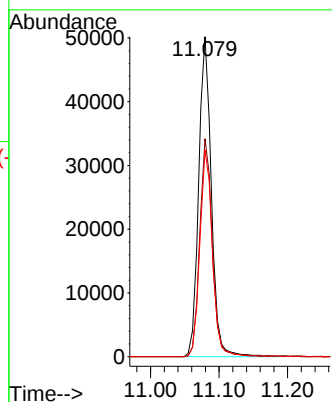
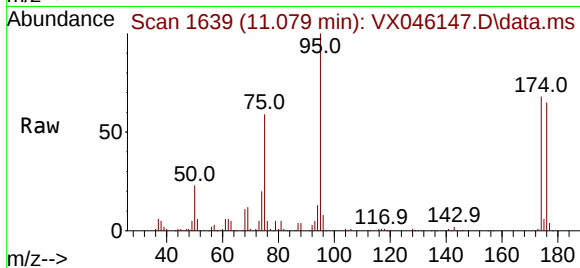




#62
4-Bromofluorobenzene
Concen: 48.295 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

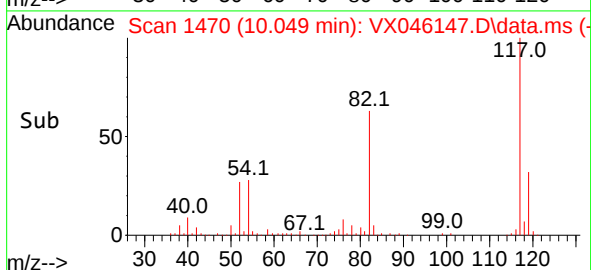
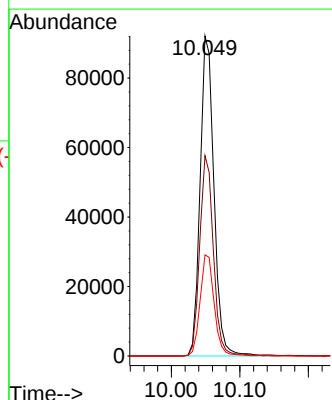
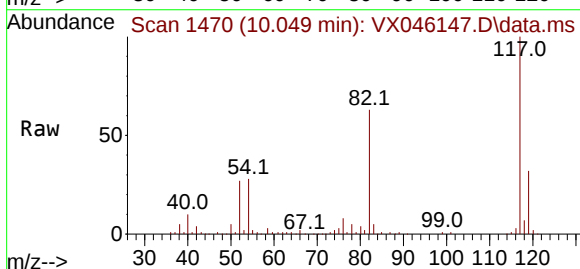
Instrument :
MSVOA_X
ClientSampleId :
R0202

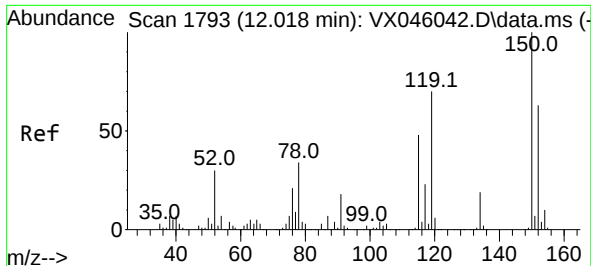
Tgt Ion: 95 Resp: 64667
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 64.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Tgt Ion: 117 Resp: 129585
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 31.6 25.8 38.6

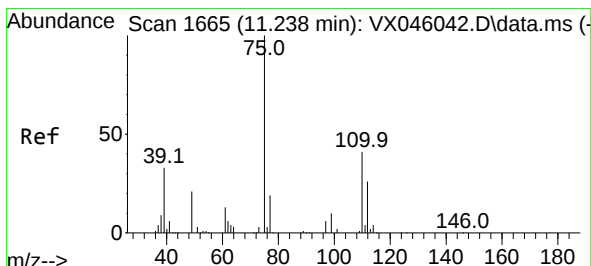
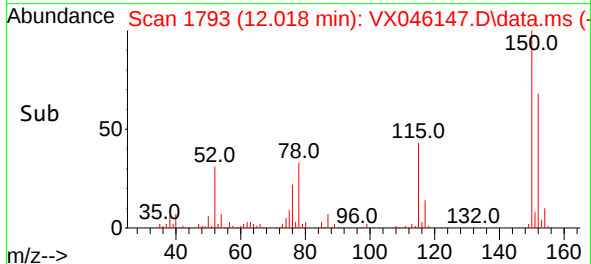
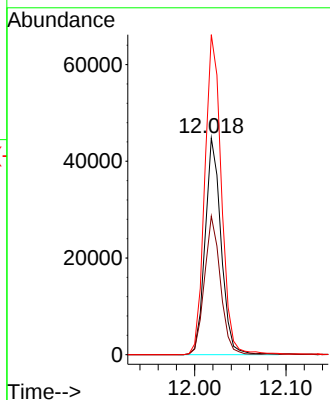
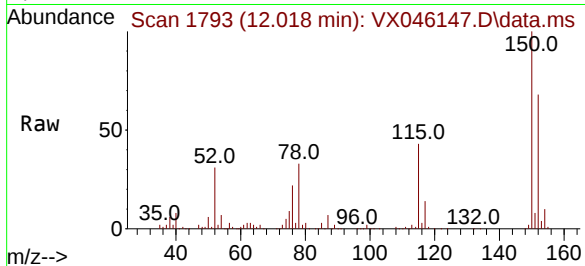




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046147.D
 Acq: 12 May 2025 18:39

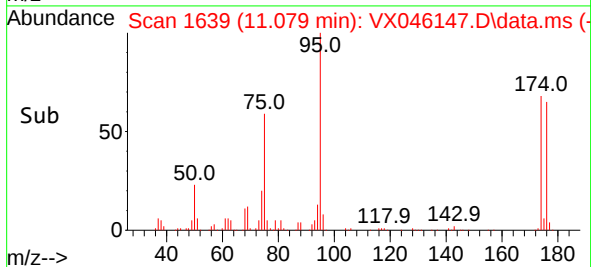
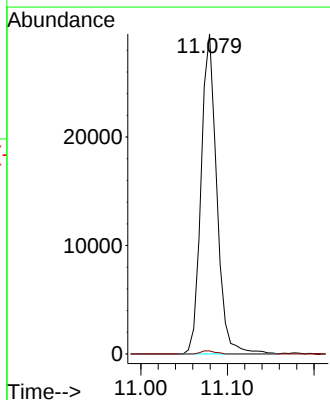
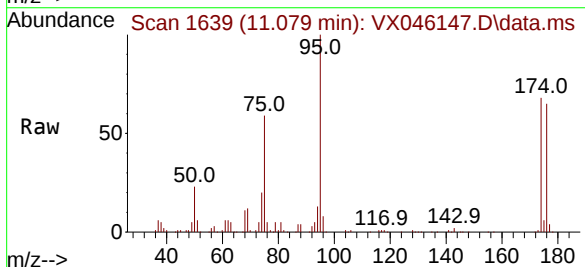
Instrument :
 MSVOA_X
 ClientSampleId :
 R0202

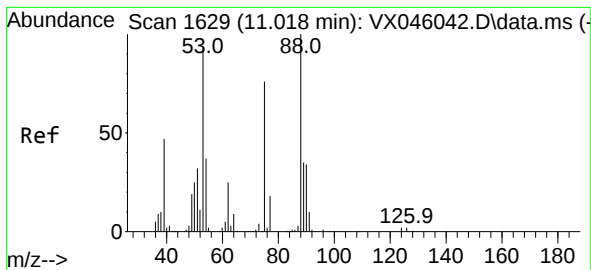
Tgt Ion:152 Resp: 54287
 Ion Ratio Lower Upper
 152 100
 115 64.0 46.9 140.7
 150 153.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.459 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046147.D
 Acq: 12 May 2025 18:39

Tgt Ion: 75 Resp: 37188
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.654 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046147.D
Acq: 12 May 2025 18:39

Instrument :
MSVOA_X
ClientSampleId :
R0202

Tgt Ion: 75 Resp: 37188
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

