

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047416.D
 Acq On : 19 Aug 2025 16:36
 Operator : JC/MD
 Sample : Q2869-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-081325

Quant Time: Aug 20 01:29:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

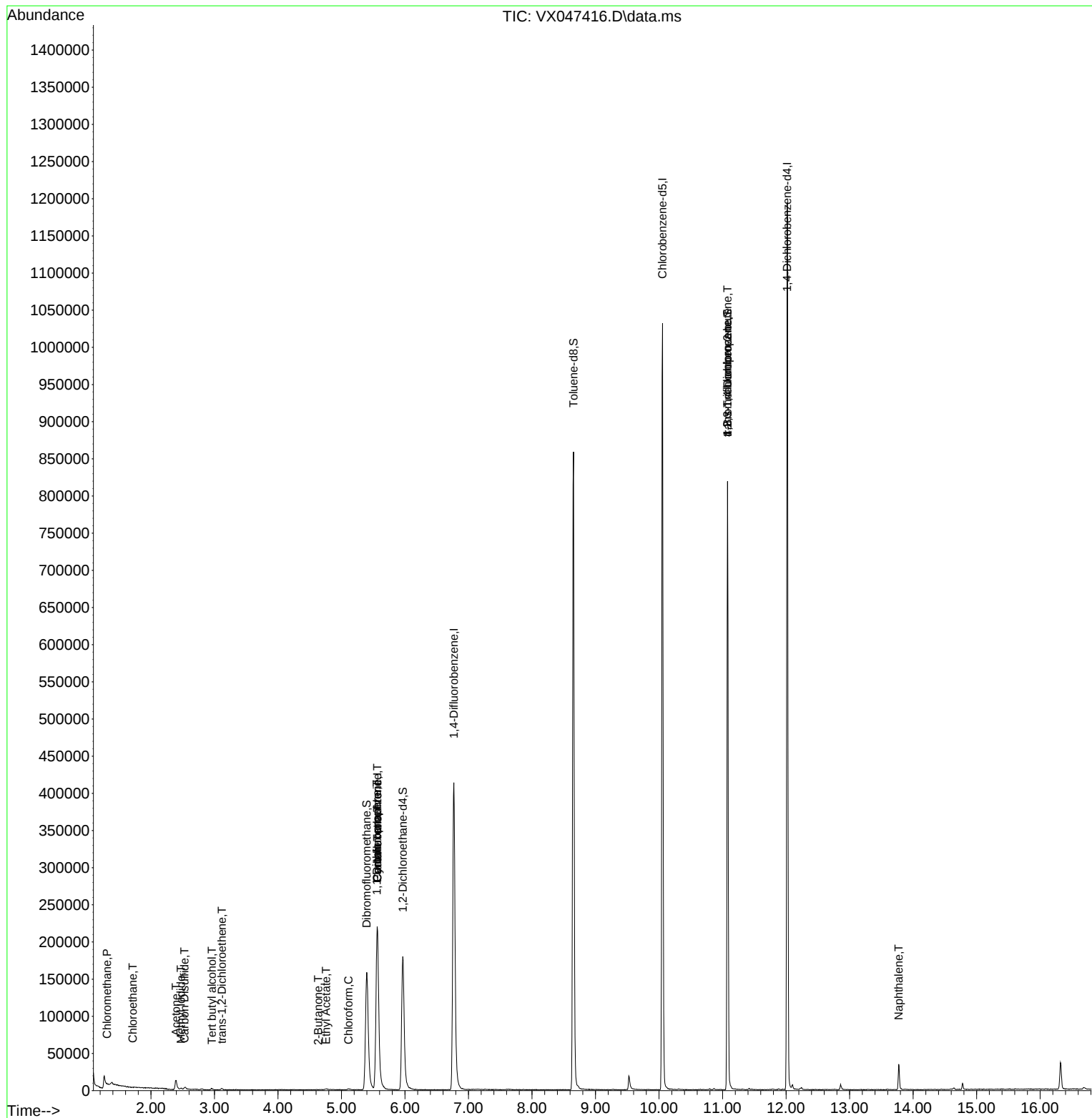
Internal Standards						
1) Pentafluorobenzene	5.562	168	223227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	449571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	238761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	190215	60.886	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 121.780%#	
35) Dibromofluoromethane	5.397	113	150935	51.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.460%	
50) Toluene-d8	8.653	98	521428	49.999	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	11.079	95	220160	57.208	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.420%	
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	1022	0.399	ug/l #	75
6) Chloroethane	1.715	64	741	0.377	ug/l #	44
10) Methyl Iodide	2.471	142	2241	0.474	ug/l	93
11) Tert butyl alcohol	2.959	59	590	2.171	ug/l #	72
16) Acetone	2.392	43	17383	14.803	ug/l	93
17) Carbon Disulfide	2.526	76	2213	0.261	ug/l #	75
21) trans-1,2-Dichloroethene	3.117	96	712	0.239	ug/l	94
25) 2-Butanone	4.635	43	320	0.208	ug/l #	50
30) Chloroform	5.111	83	1396	0.251	ug/l	96
31) Cyclohexane	5.562	56	4785	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18333	3.980	ug/l #	51
37) Ethyl Acetate	4.757	43	2910	0.609	ug/l #	80
38) Carbon Tetrachloride	5.562	117	23245	4.618	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	115556	26.388	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	115556	104.525	ug/l #	7
95) Naphthalene	13.774	128	23005	1.451	ug/l	95

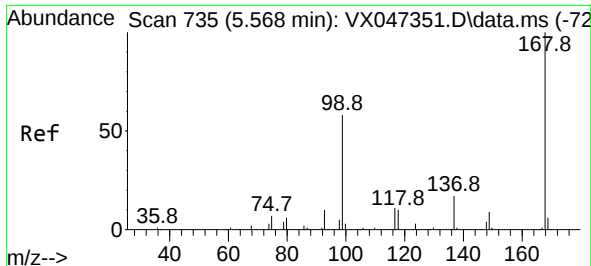
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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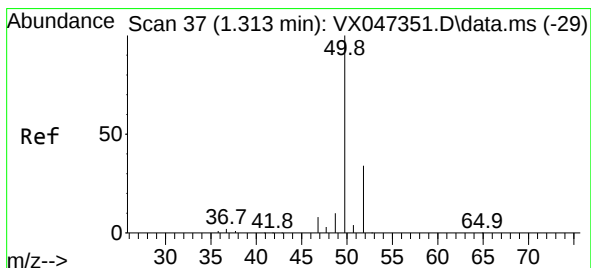
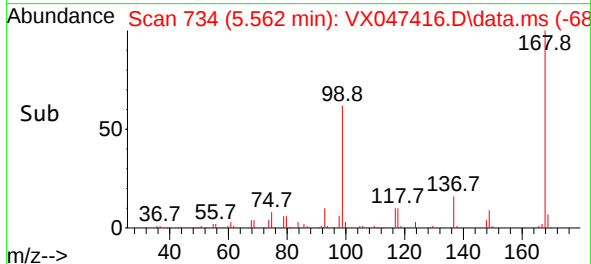
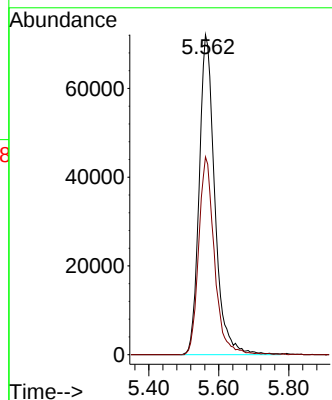
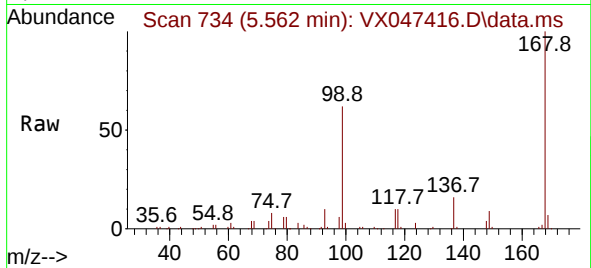




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

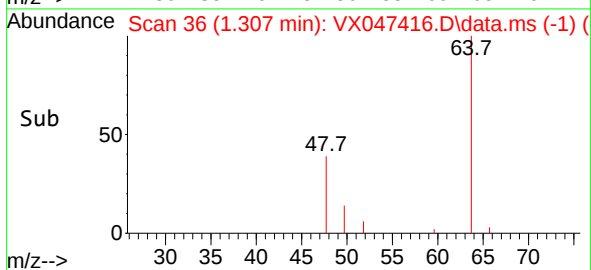
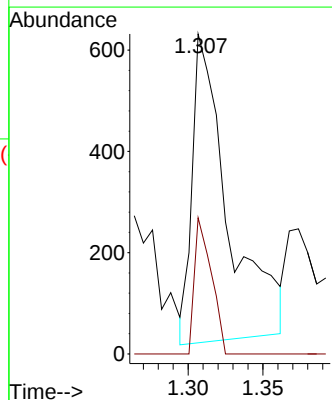
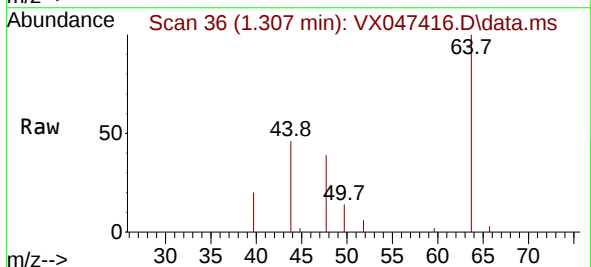
Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

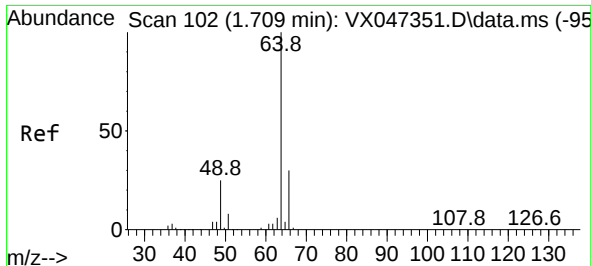
Tgt Ion:168 Resp: 223227
Ion Ratio Lower Upper
168 100
99 61.8 47.9 71.9



#3
Chloromethane
Concen: 0.399 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.006 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 50 Resp: 1022
Ion Ratio Lower Upper
50 100
52 48.0 27.0 40.4#

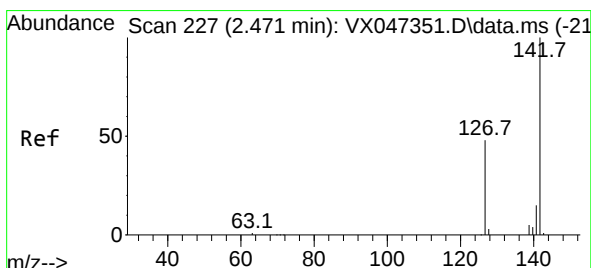
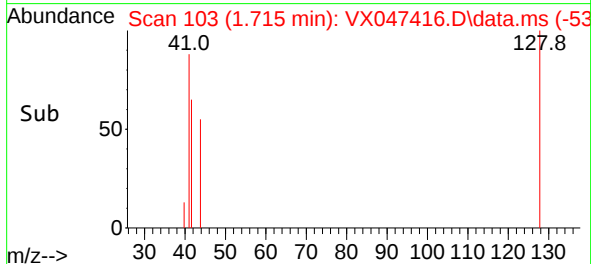
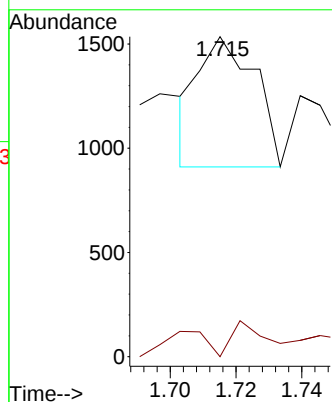
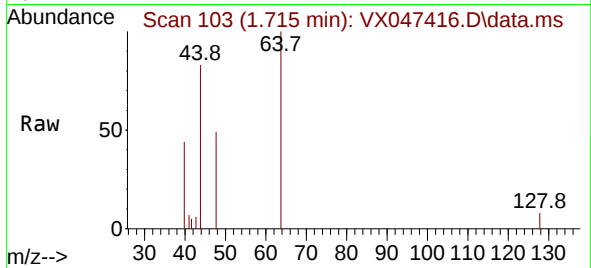




#6
Chloroethane
Concen: 0.377 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.006 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

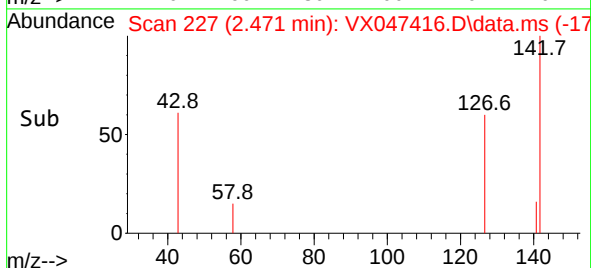
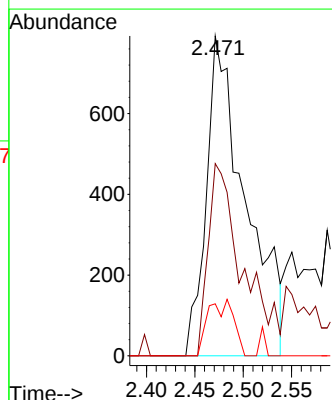
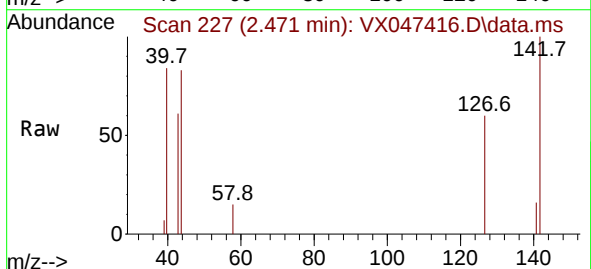
Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

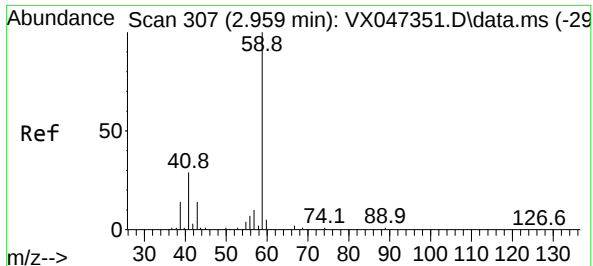
Tgt Ion: 64 Resp: 741
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.474 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion:142 Resp: 2241
Ion Ratio Lower Upper
142 100
127 49.8 36.1 54.1
141 11.5 11.1 16.7

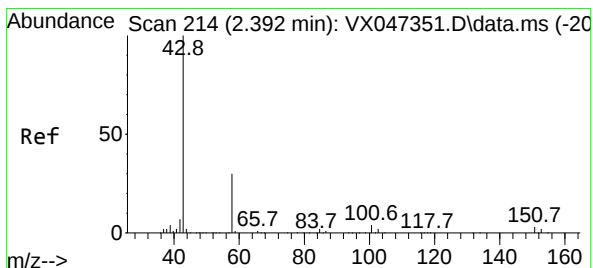
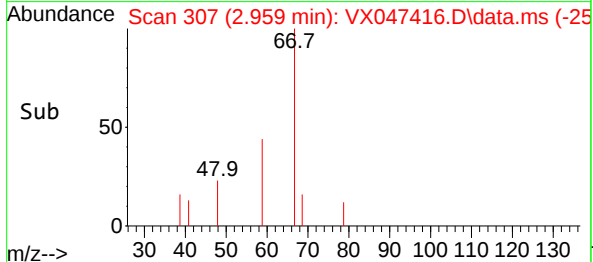
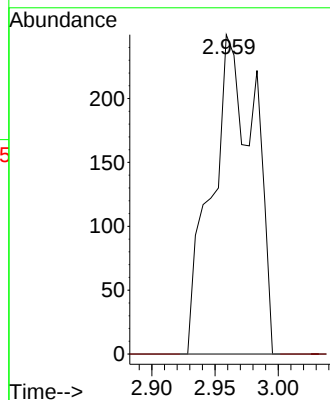
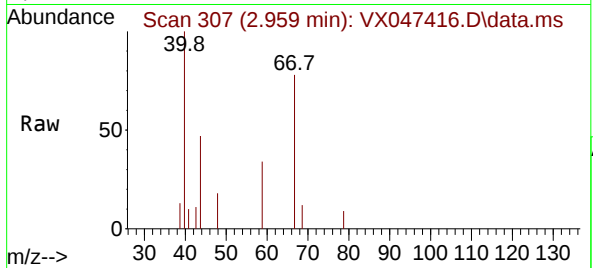




#11
Tert butyl alcohol
Concen: 2.171 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

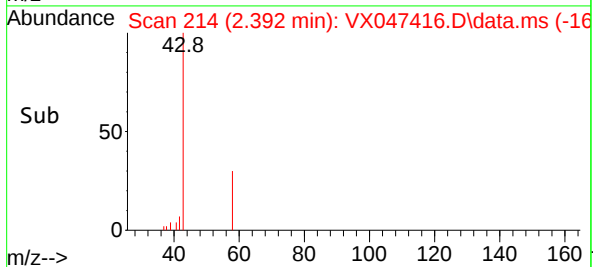
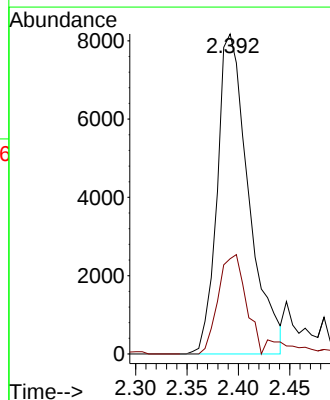
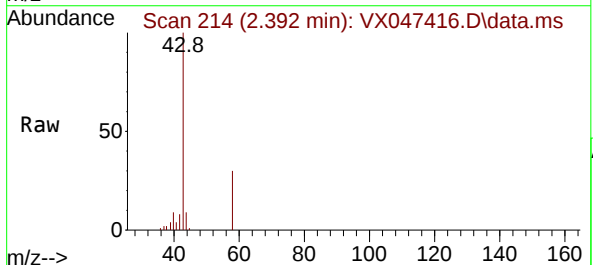
Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

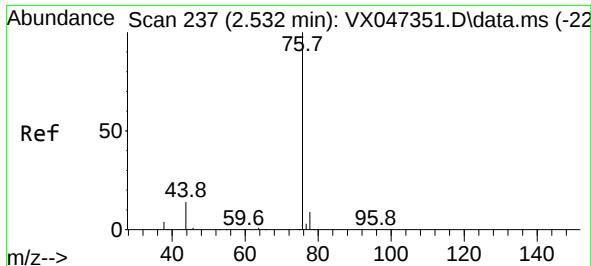
Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 14.803 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 43 Resp: 17383
Ion Ratio Lower Upper
43 100
58 27.3 24.8 37.2





#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

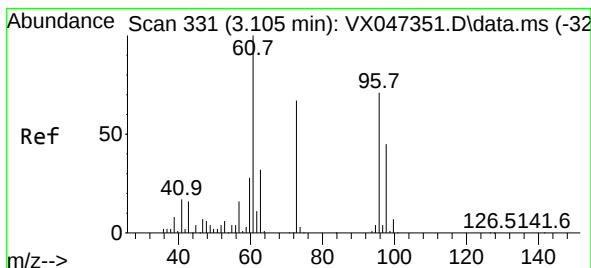
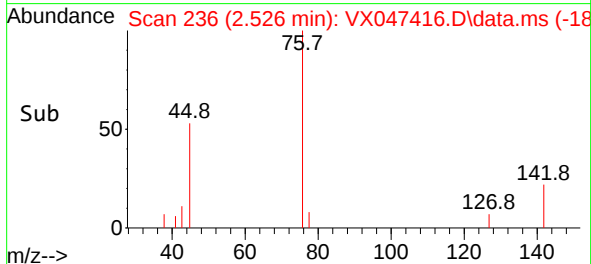
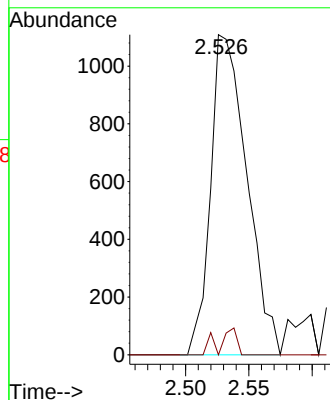
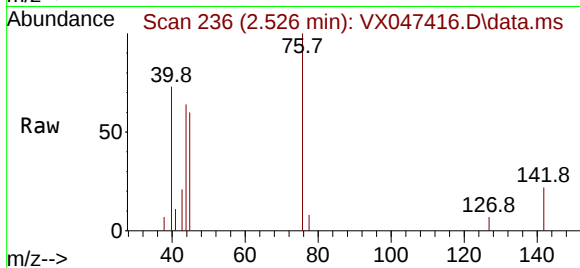
EB01-081325

Tgt Ion: 76 Resp: 2213

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#21

trans-1,2-Dichloroethene

Concen: 0.239 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.012 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

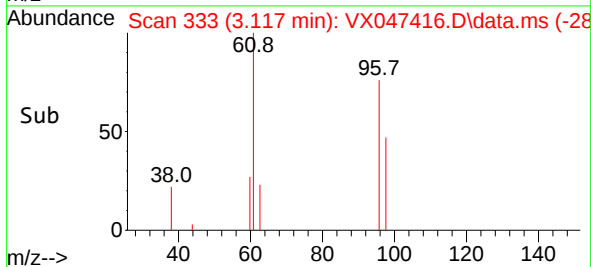
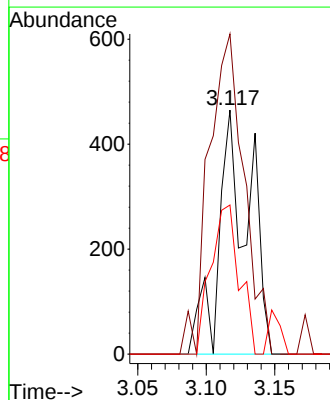
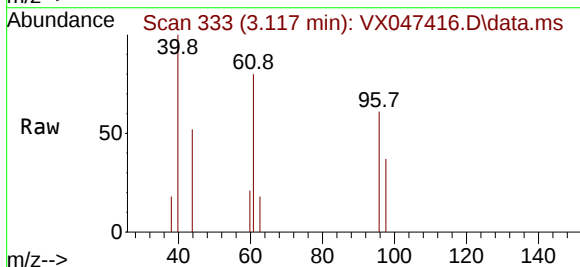
Tgt Ion: 96 Resp: 712

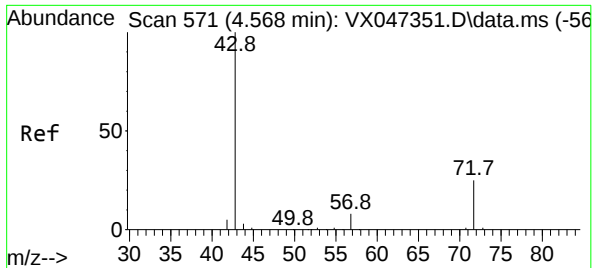
Ion Ratio Lower Upper

96 100

61 131.2 112.6 169.0

98 61.1 50.9 76.3





#25

2-Butanone

Concen: 0.208 ug/l

RT: 4.635 min Scan# 51

Delta R.T. 0.067 min

Lab File: VX047416.D

Acq: 19 Aug 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

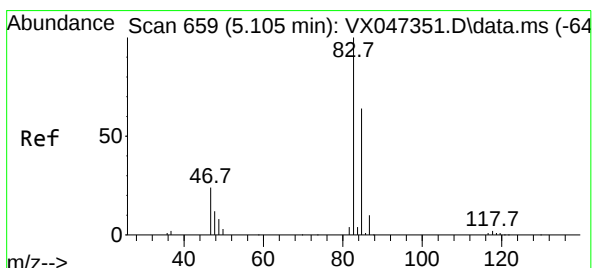
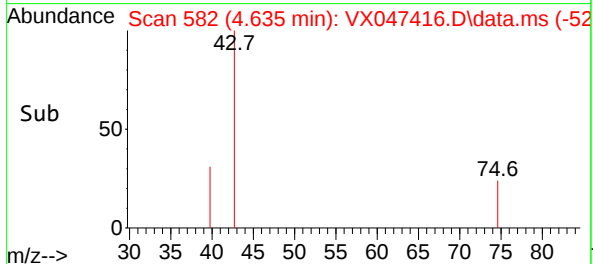
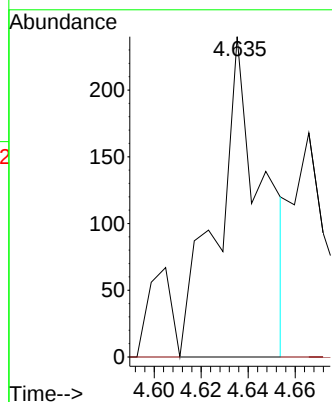
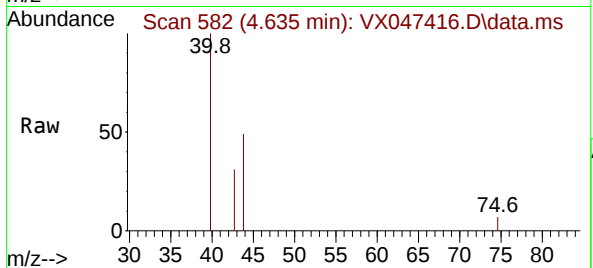
EB01-081325

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.8#



#30

Chloroform

Concen: 0.251 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX047416.D

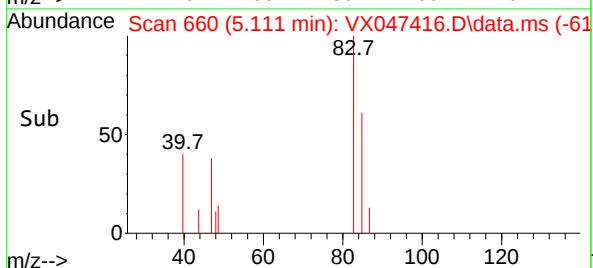
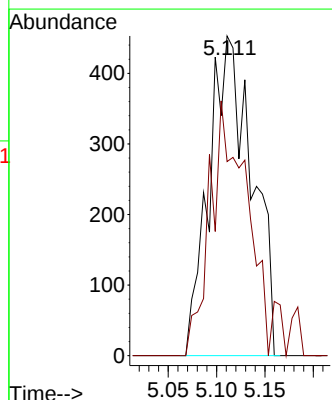
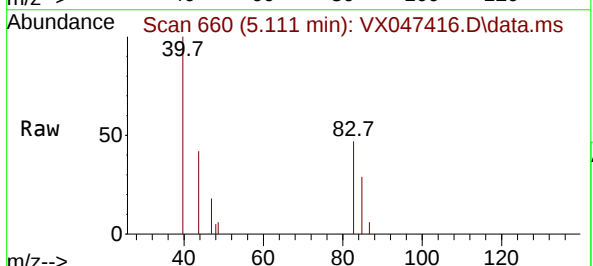
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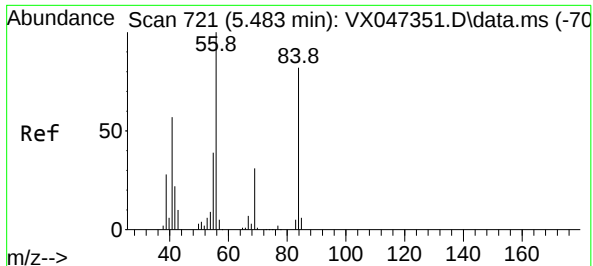
Tgt Ion: 83 Resp: 1396

Ion Ratio Lower Upper

83 100

85 60.7 51.2 76.8

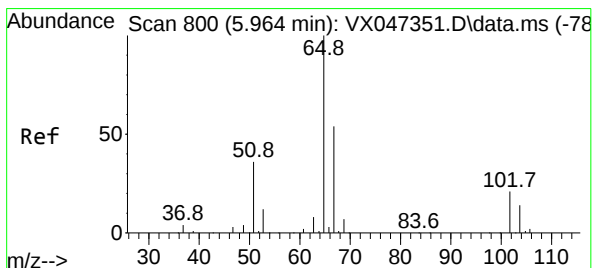
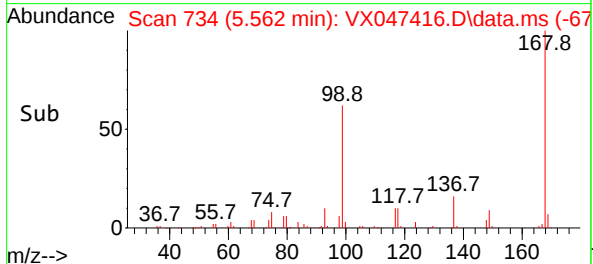
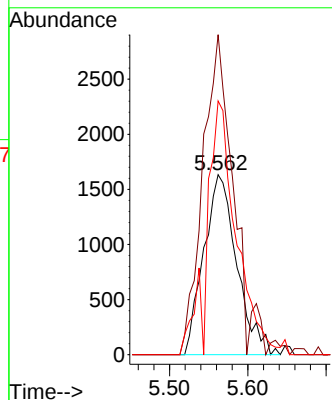
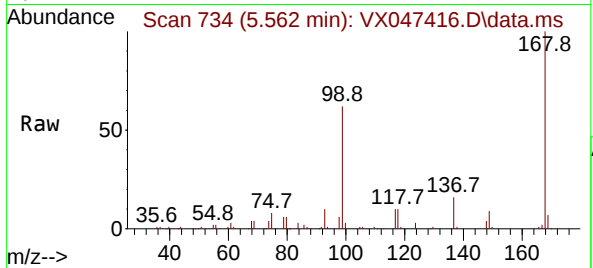




#31
Cyclohexane
Concen: 0.952 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

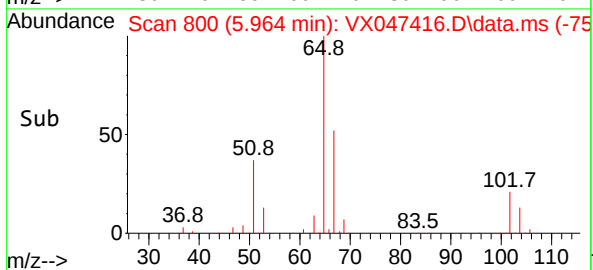
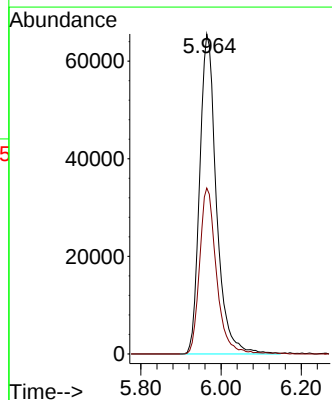
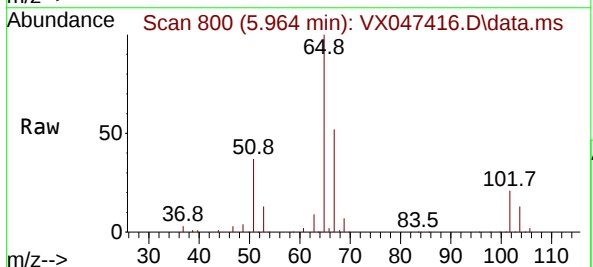
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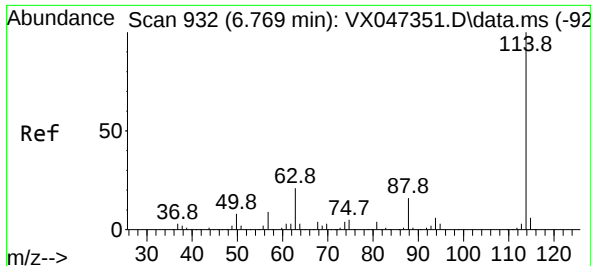
Tgt Ion: 56 Resp: 4785
Ion Ratio Lower Upper
56 100
69 177.7 24.3 36.5#
84 140.9 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 60.886 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 65 Resp: 190215
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0

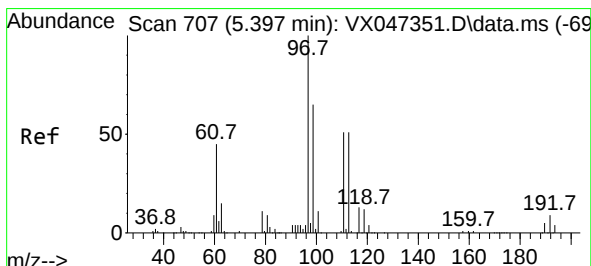
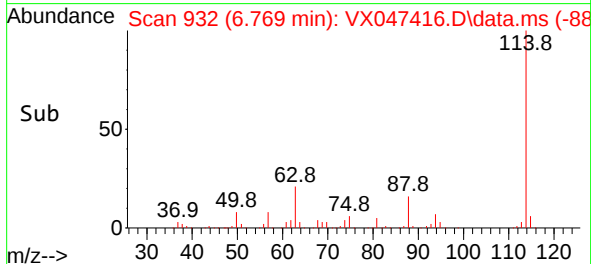
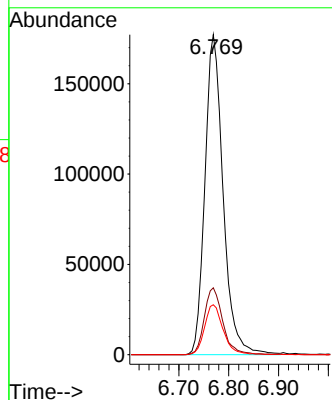
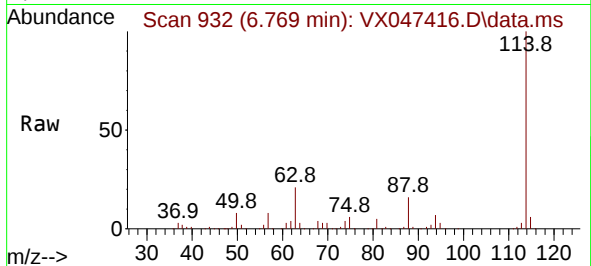




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

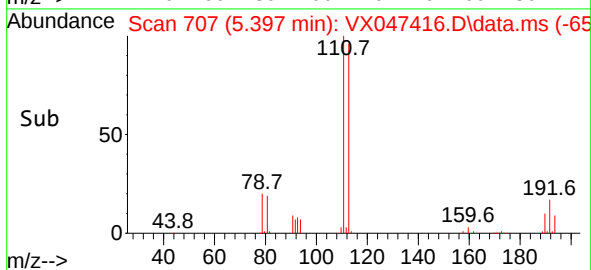
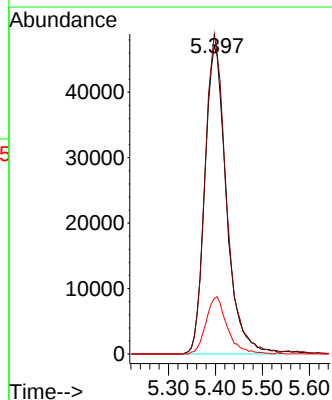
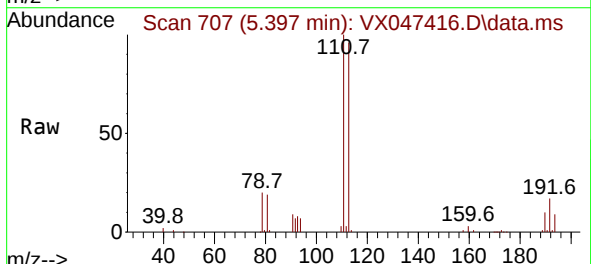
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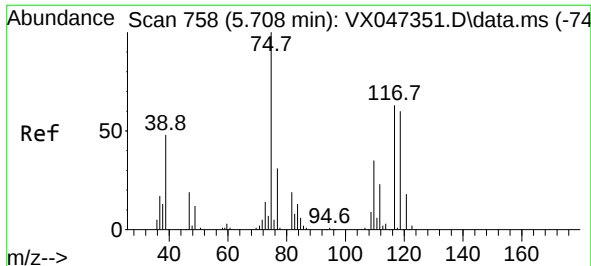
Tgt Ion:114 Resp: 449571
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion:113 Resp: 150935
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 18.2 14.1 21.1

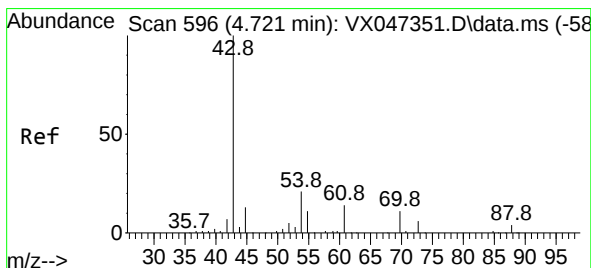
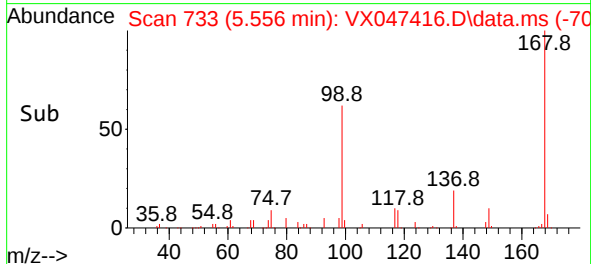
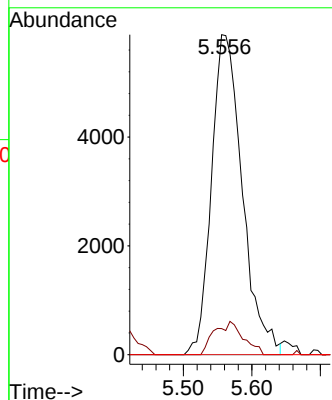
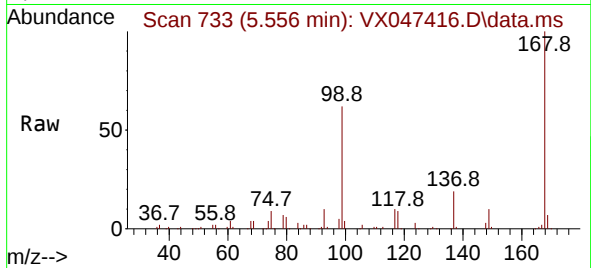




#36
1,1-Dichloropropene
Concen: 3.980 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

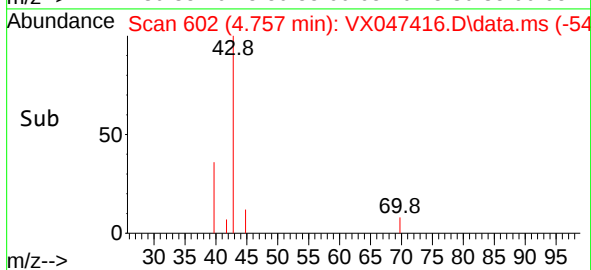
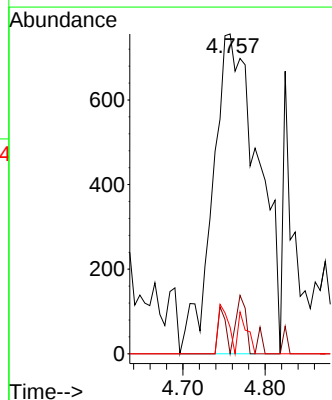
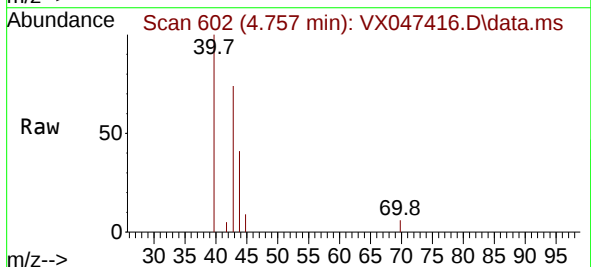
Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

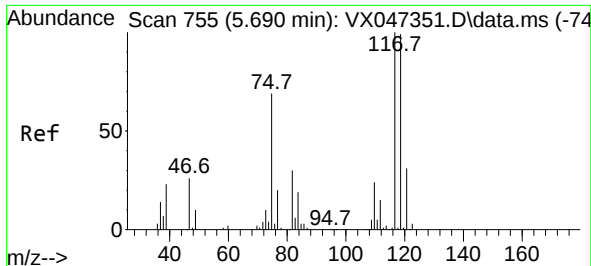
Tgt Ion: 75 Resp: 18333
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.609 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

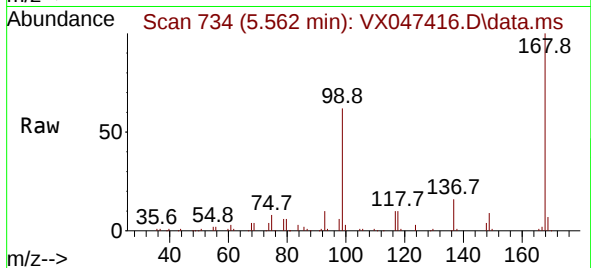
Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
61 2.4 9.4 14.2#
70 3.5 7.0 10.6#



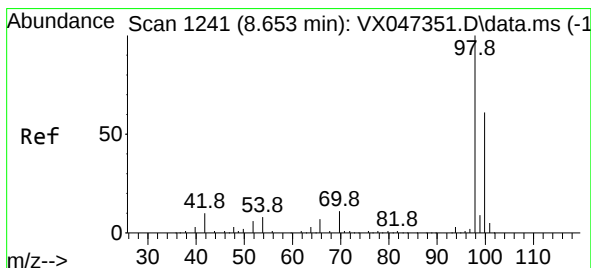
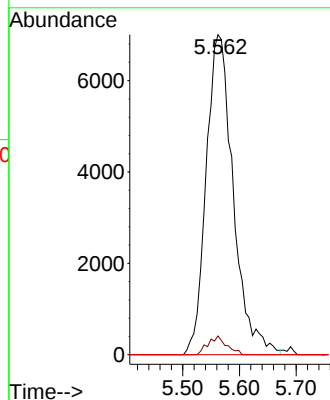
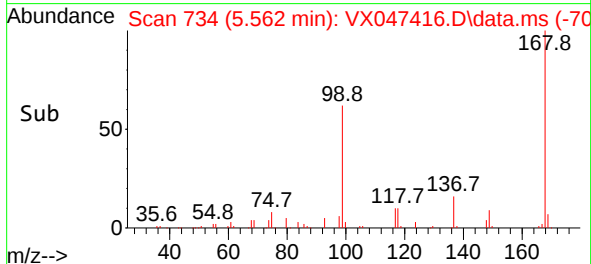


#38
Carbon Tetrachloride
Concen: 4.618 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

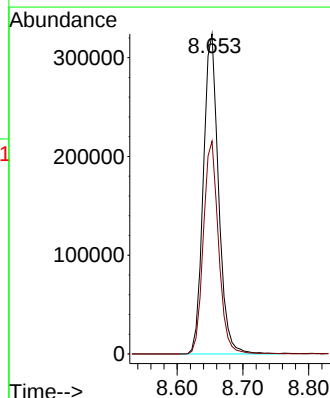
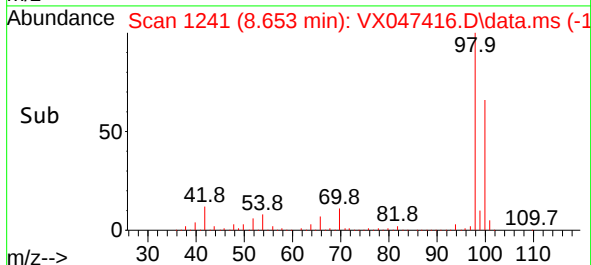
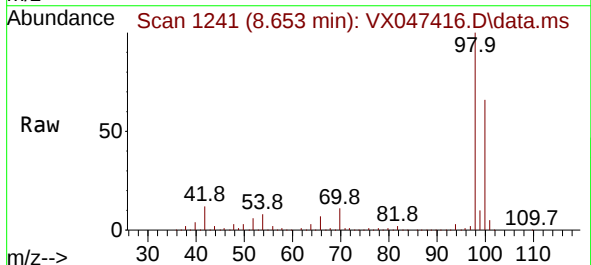


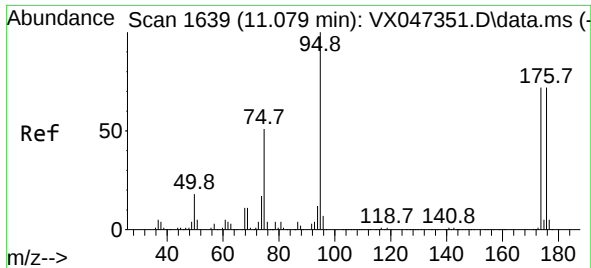
Tgt Ion:117 Resp: 23245
Ion Ratio Lower Upper
117 100
119 5.8 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.999 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 98 Resp: 521428
Ion Ratio Lower Upper
98 100
100 66.4 53.9 80.9

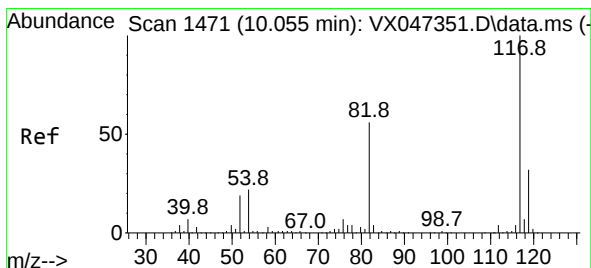
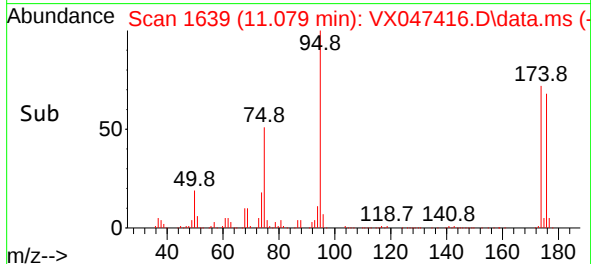
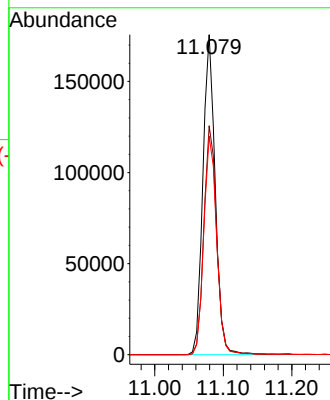
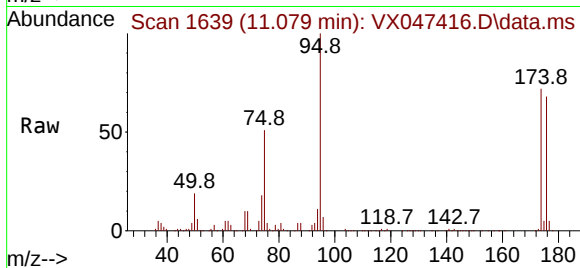




#62
4-Bromofluorobenzene
Concen: 57.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

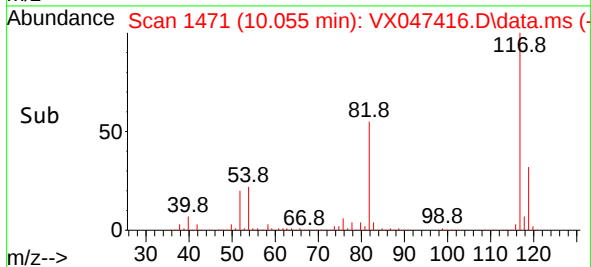
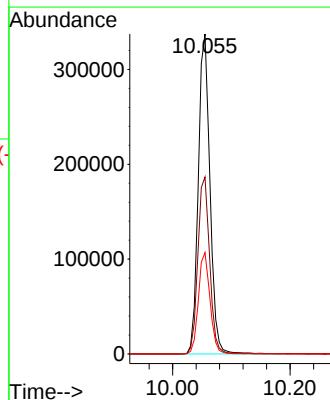
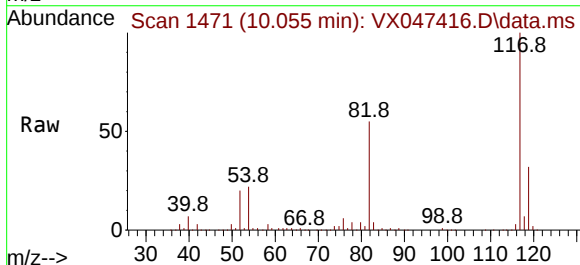
Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

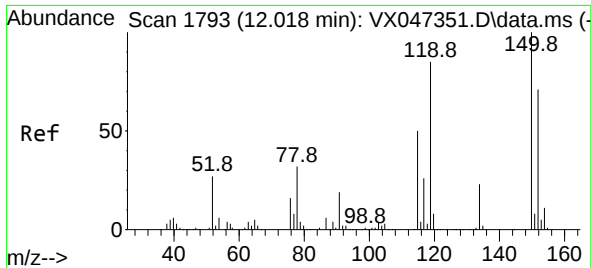
Tgt Ion: 95 Resp: 220160
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.0
176 71.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 117 Resp: 464745
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 31.7 25.8 38.8

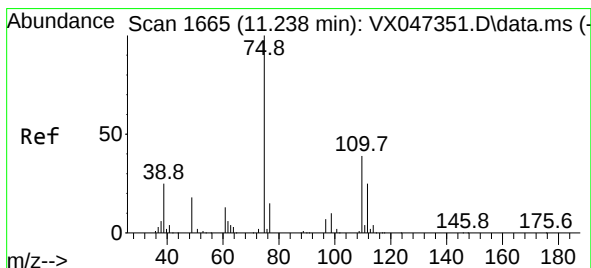
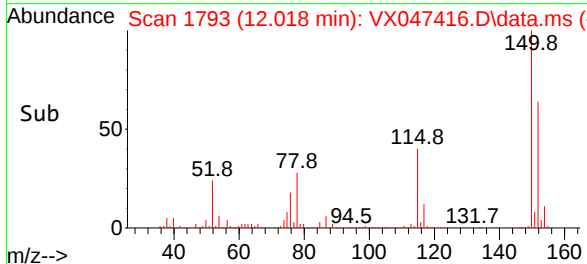
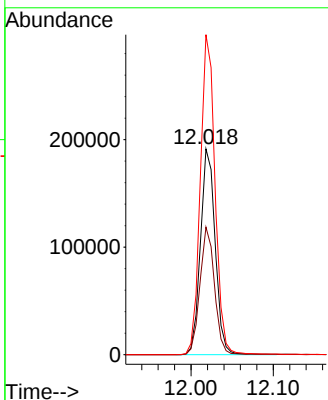
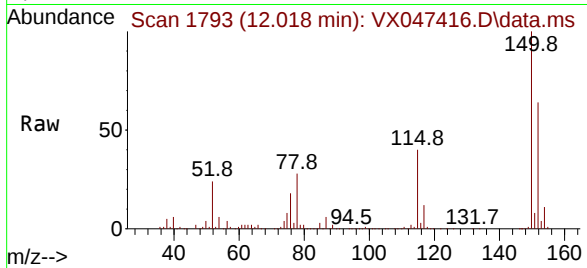




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047416.D
 Acq: 19 Aug 2025 16:36

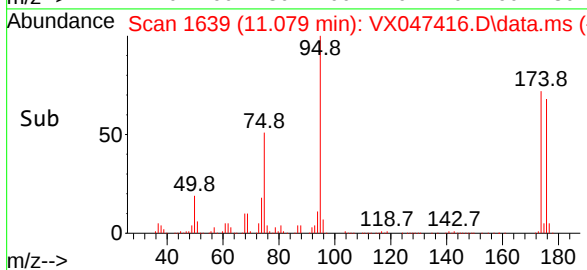
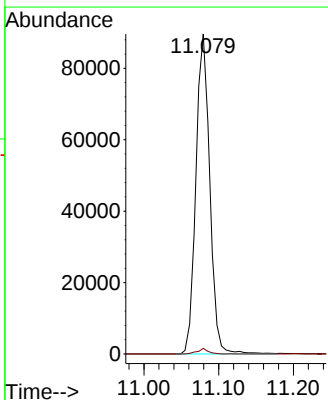
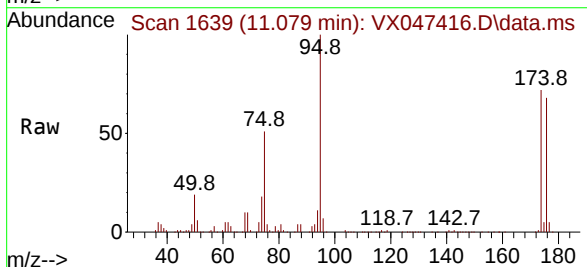
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-081325

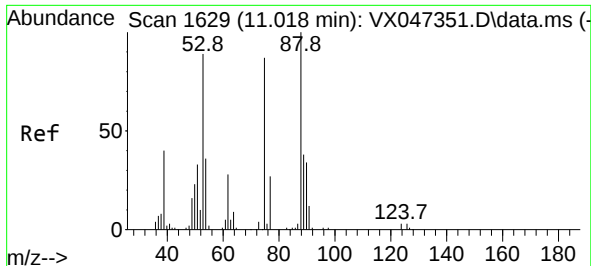
Tgt Ion:152 Resp: 238761
 Ion Ratio Lower Upper
 152 100
 115 61.4 44.6 133.8
 150 155.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.388 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047416.D
 Acq: 19 Aug 2025 16:36

Tgt Ion: 75 Resp: 115556
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.4 58.2#

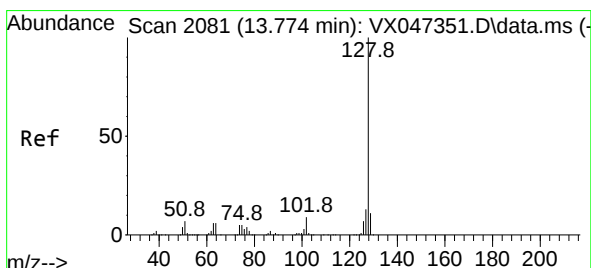
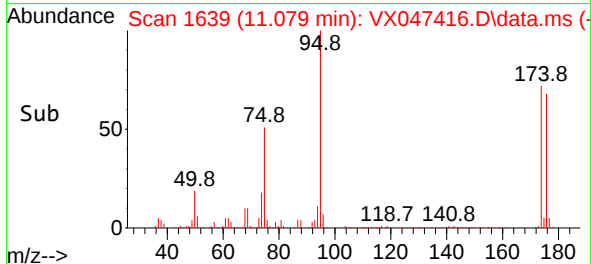
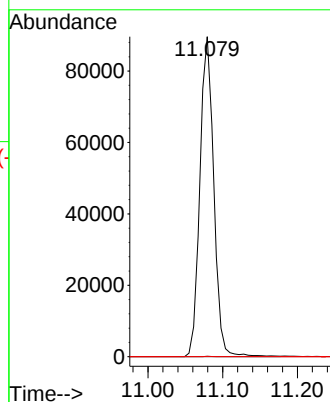
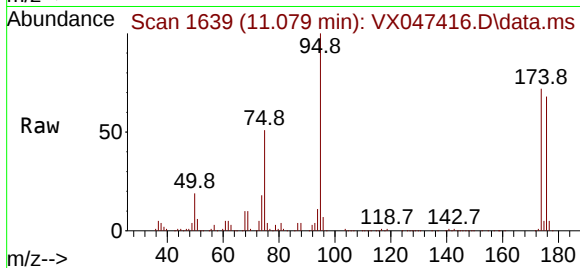




#81
trans-1,4-Dichloro-2-butene
Concen: 104.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion: 75 Resp: 115556
Ion Ratio Lower Upper
75 100
53 0.1 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 1.451 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion:128 Resp: 23005
Ion Ratio Lower Upper
128 100
127 15.0 10.1 15.1
129 9.8 8.7 13.1

