

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045323.D
 Acq On : 18 Mar 2025 14:27
 Operator : JC/MD
 Sample : Q1559-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20250310

Quant Time: Mar 19 01:44:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

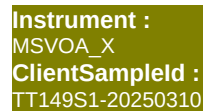
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

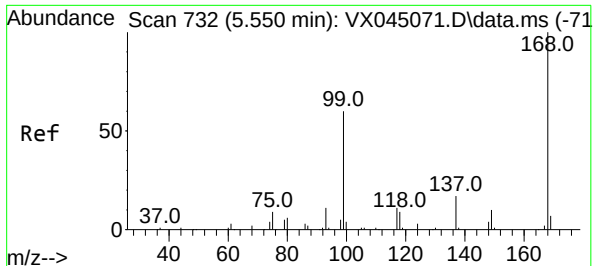
Internal Standards						
1) Pentafluorobenzene	5.550	168	68678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60251	55.153	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.300%	
35) Dibromofluoromethane	5.379	113	46453	52.386	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.780%	
50) Toluene-d8	8.647	98	166680	51.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.700%	
62) 4-Bromofluorobenzene	11.079	95	54236	50.912	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	136	0.657	ug/l #	73
15) Acrylonitrile	3.111	53	518	0.934	ug/l #	35
16) Acetone	2.380	43	1327	2.618	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	32200	11.373	ug/l	97
20) Methylene Chloride	2.788	84	230	0.229	ug/l #	69
22) Diisopropyl ether	3.757	45	653	0.214	ug/l #	81
24) 1,1-Dichloroethane	3.611	63	505	0.295	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	312	0.303	ug/l	83
31) Cyclohexane	5.544	56	1946	1.309	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6465	5.316	ug/l #	46
38) Carbon Tetrachloride	5.544	117	7512	6.084	ug/l #	16
42) 1,2-Dichloroethane	6.092	62	681	0.492	ug/l #	75
44) Trichloroethene	7.129	130	4086	4.531	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	776	0.499	ug/l #	1
60) Dibromochloromethane	9.275	129	968	0.998	ug/l #	11
64) Tetrachloroethene	9.275	164	891	1.141	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	30198	28.943	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30198	99.047	ug/l #	6
87) 1,3-Dichlorobenzene	12.043	146	466	0.316	ug/l #	1
88) 1,4-Dichlorobenzene	12.043	146	466	0.313	ug/l #	1
91) 1,2-Dichlorobenzene	12.341	146	431	0.292	ug/l	90

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

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MSVOA_X
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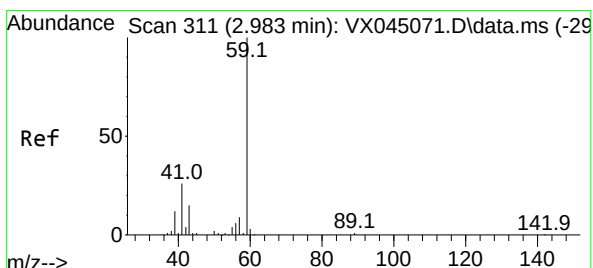
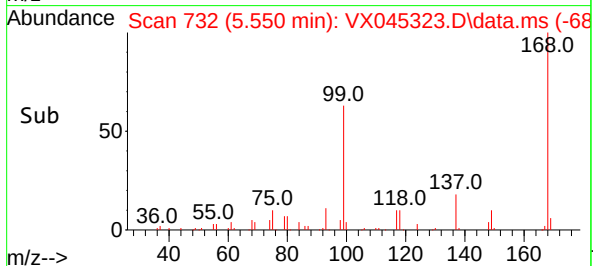
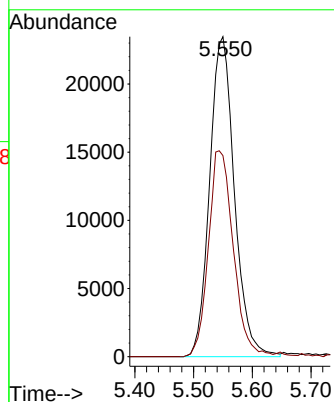
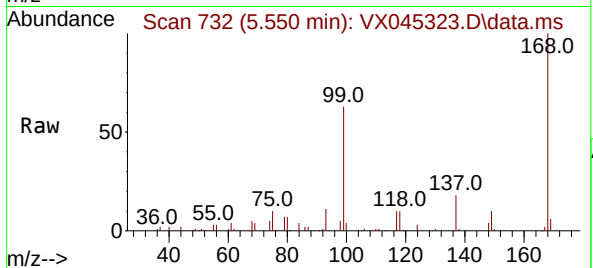




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

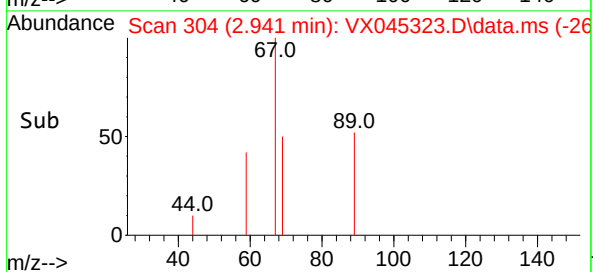
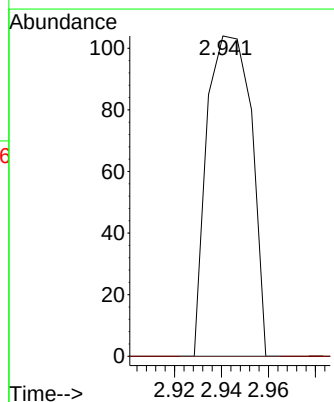
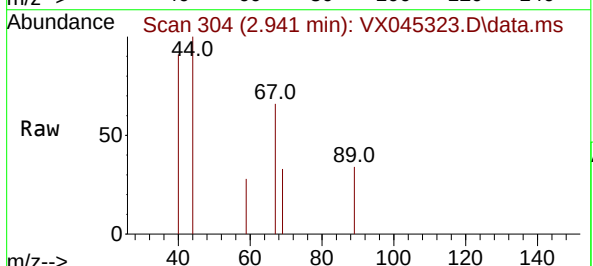
Instrument :
MSVOA_X
ClientSampleId :
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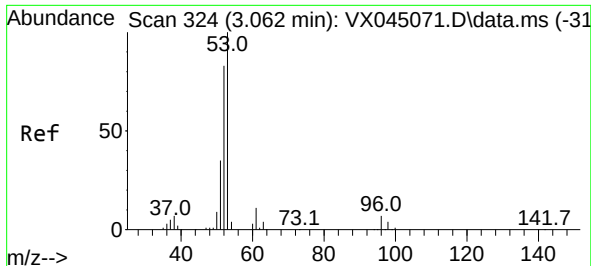
Tgt Ion:168 Resp: 68678
Ion Ratio Lower Upper
168 100
99 62.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.657 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

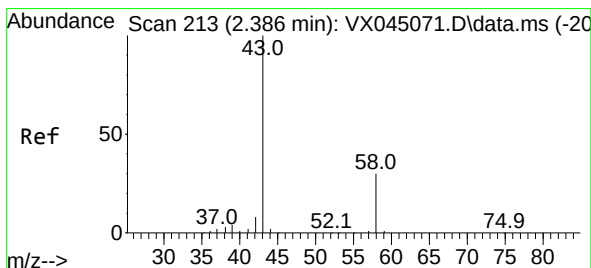
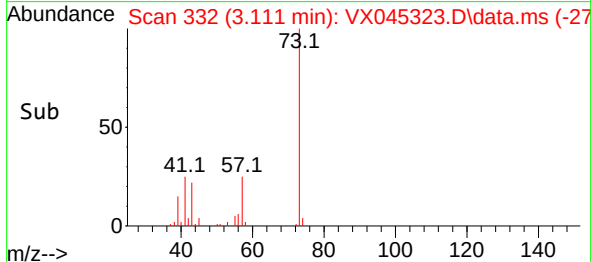
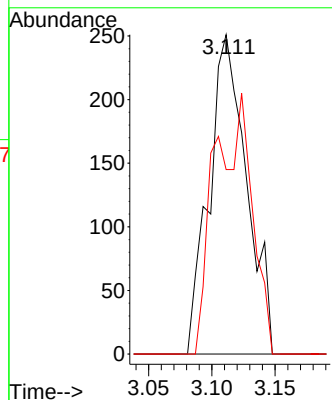
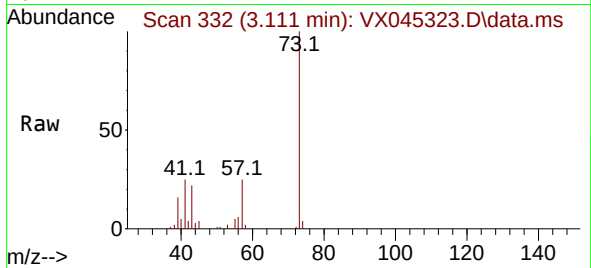




#15
Acrylonitrile
Concen: 0.934 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

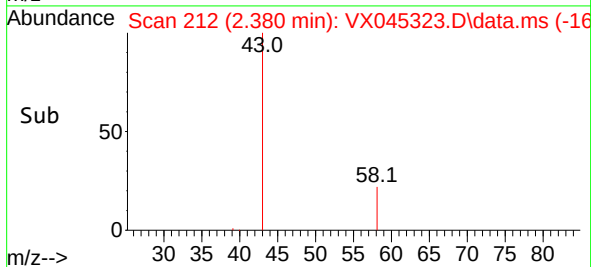
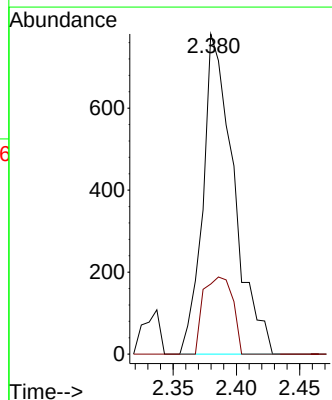
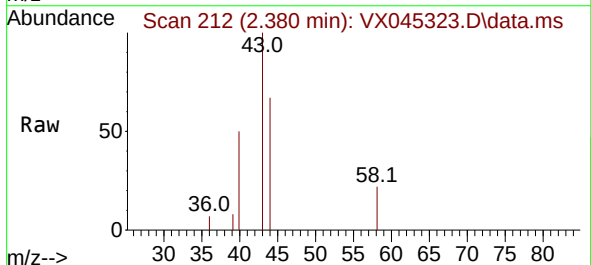
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

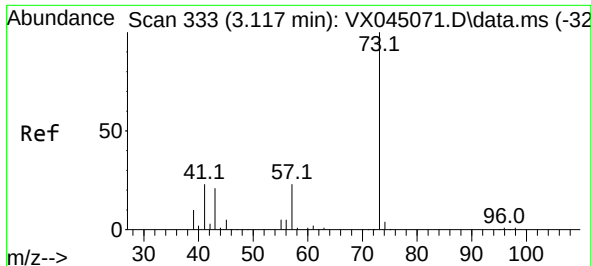
Tgt Ion:	53	Resp:	518
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.2	99.2#
51	37.3	29.0	43.4



#16
Acetone
Concen: 2.618 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:	43	Resp:	1327
Ion	Ratio	Lower	Upper
43	100		
58	21.9	24.2	36.4#

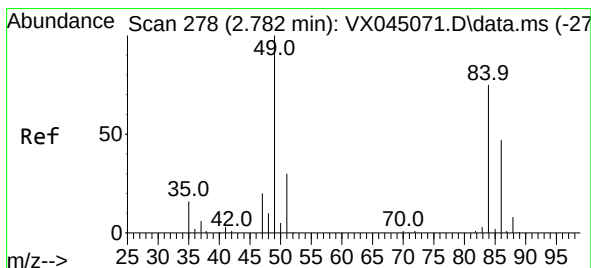
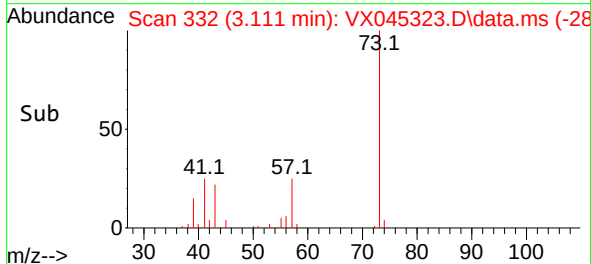
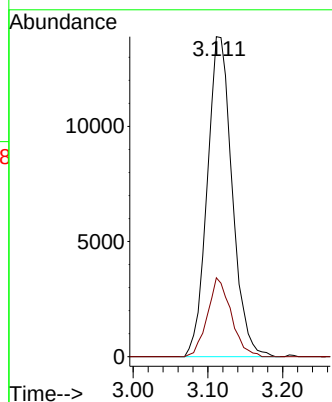
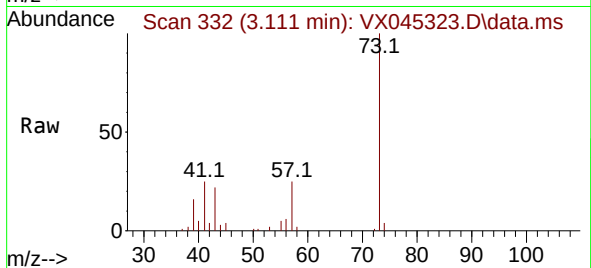




#19
Methyl tert-butyl Ether
Concen: 11.373 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

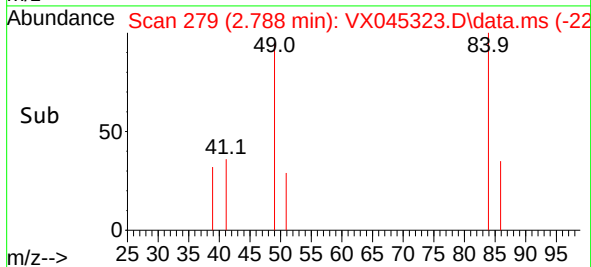
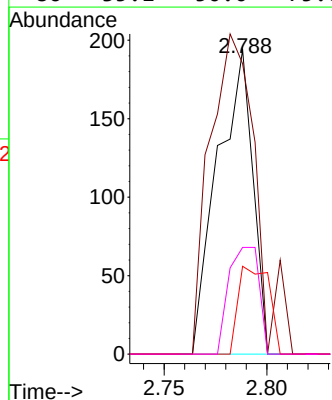
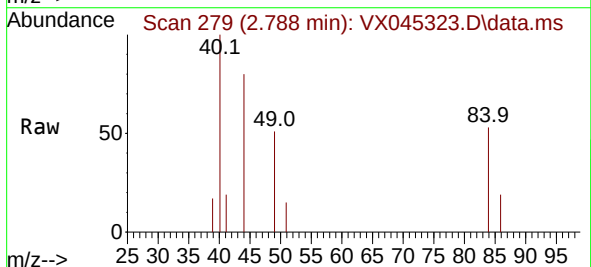
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

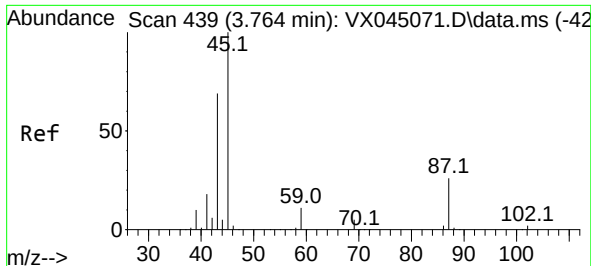
Tgt Ion: 73 Resp: 32200
Ion Ratio Lower Upper
73 100
57 24.7 18.5 27.7



#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 84 Resp: 230
Ion Ratio Lower Upper
84 100
49 95.4 106.5 159.7#
51 28.9 32.1 48.1#
86 35.1 50.0 75.0#

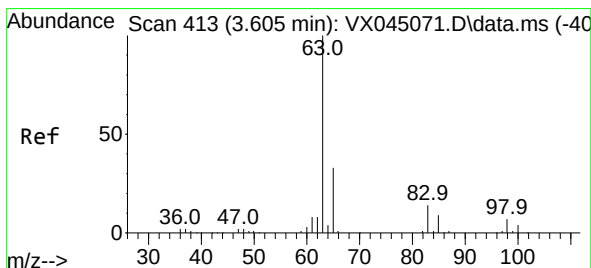
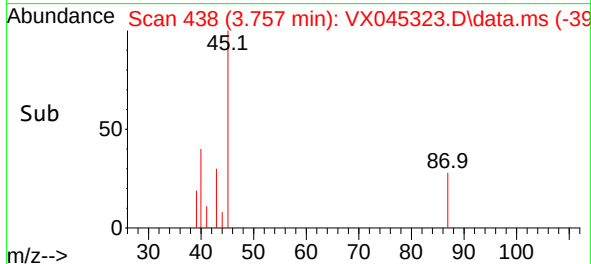
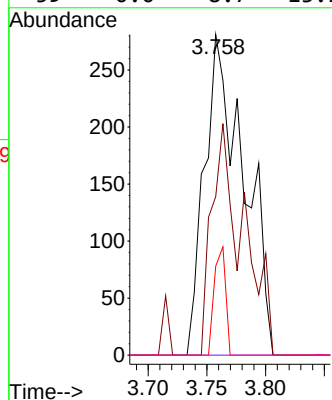
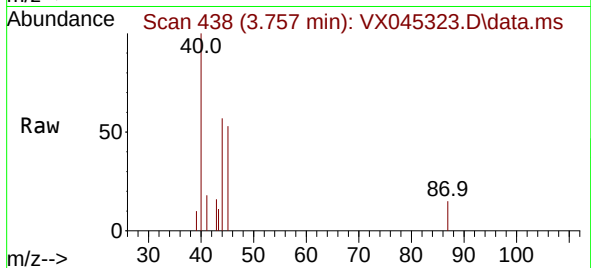




#22
Diisopropyl ether
Concen: 0.214 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

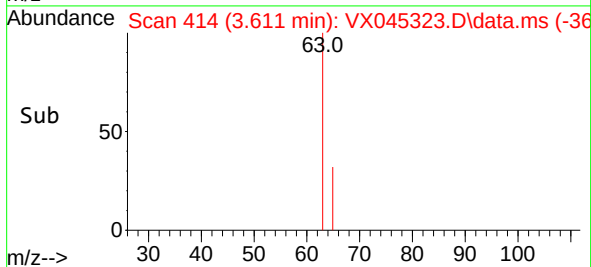
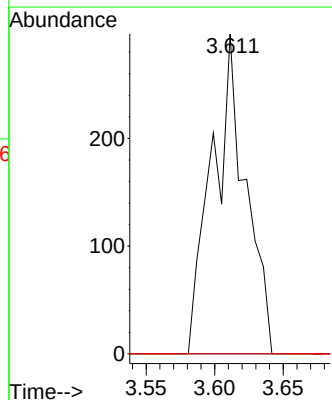
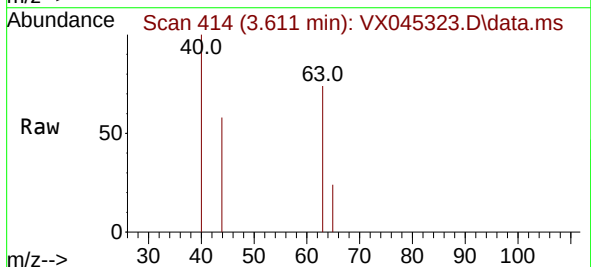
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

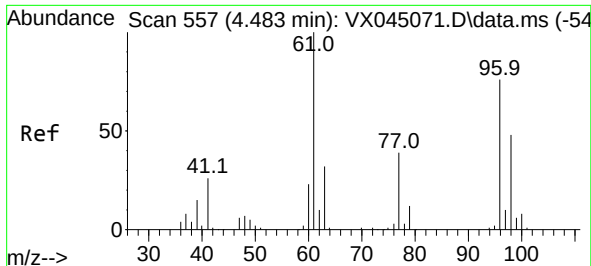
Tgt Ion:	45	Resp:	653
Ion	Ratio	Lower	Upper
45	100		
43	49.5	54.9	82.3#
87	27.8	21.0	31.4
59	0.0	8.7	13.1#



#24
1,1-Dichloroethane
Concen: 0.295 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:	63	Resp:	505
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#

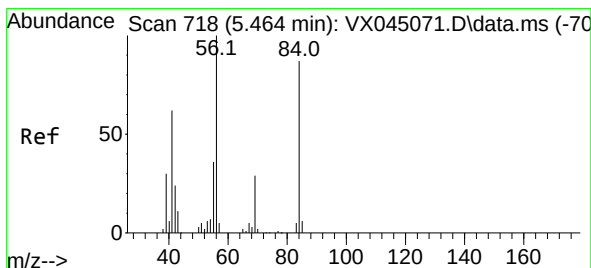
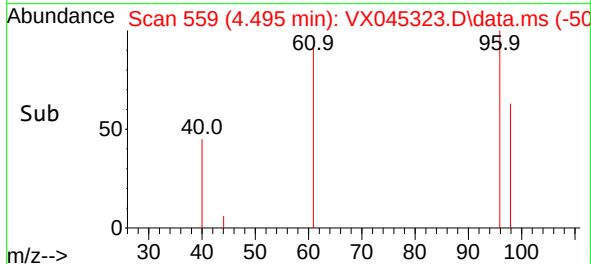
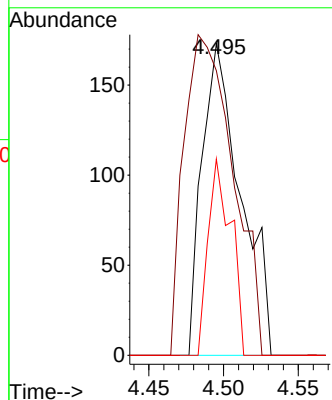
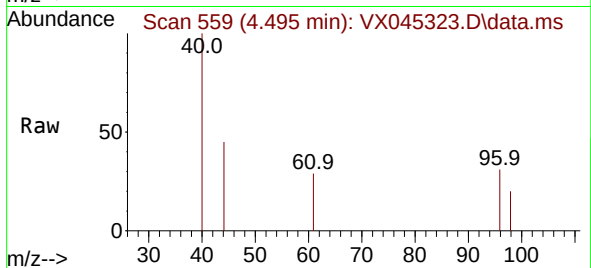




#27
 cis-1,2-Dichloroethene
 Concen: 0.303 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.012 min
 Lab File: VX045323.D
 Acq: 18 Mar 2025 14:27

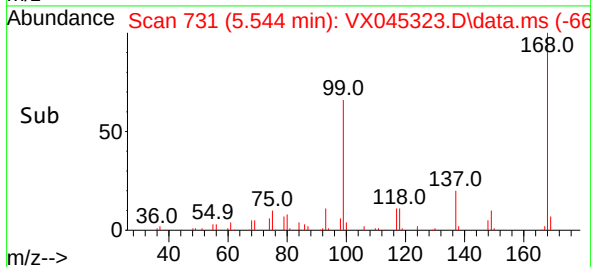
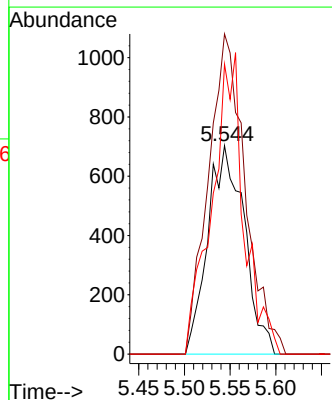
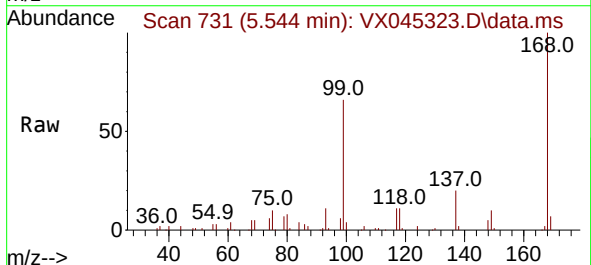
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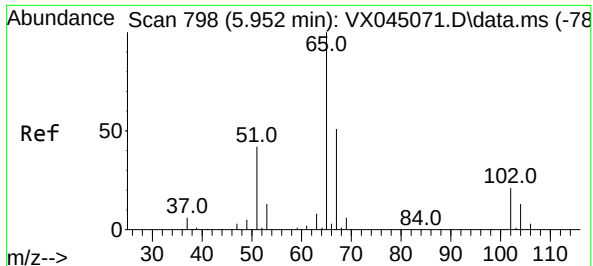
Tgt Ion:	96	Resp:	312
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	283.2
98	37.2	0.0	128.0



#31
 Cyclohexane
 Concen: 1.309 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.079 min
 Lab File: VX045323.D
 Acq: 18 Mar 2025 14:27

Tgt Ion:	56	Resp:	1946
Ion	Ratio	Lower	Upper
56	100		
69	153.6	23.4	35.2#
84	139.1	69.4	104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.153 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045323.D

Acq: 18 Mar 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

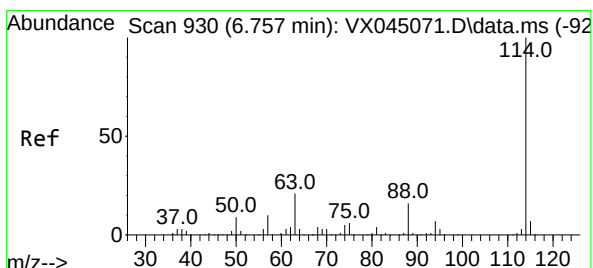
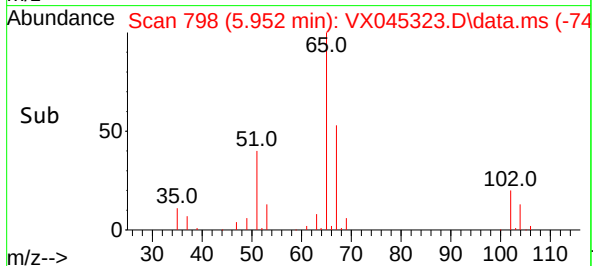
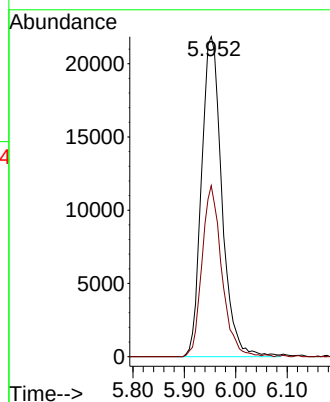
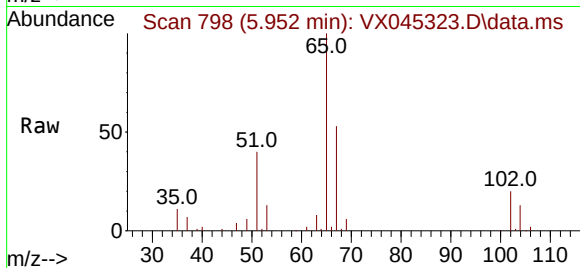
TT149S1-20250310

Tgt Ion: 65 Resp: 60251

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045323.D

Acq: 18 Mar 2025 14:27

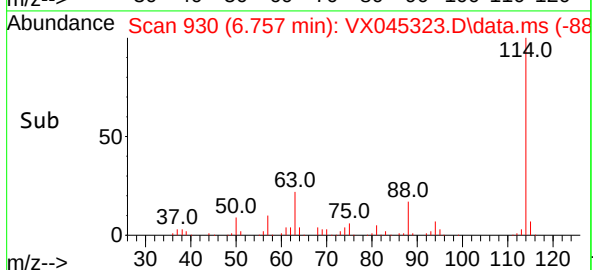
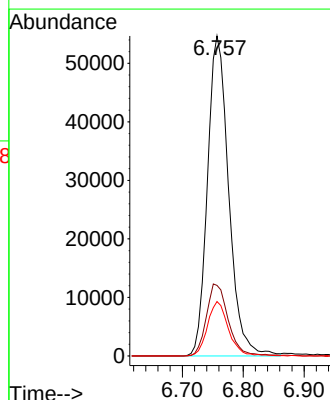
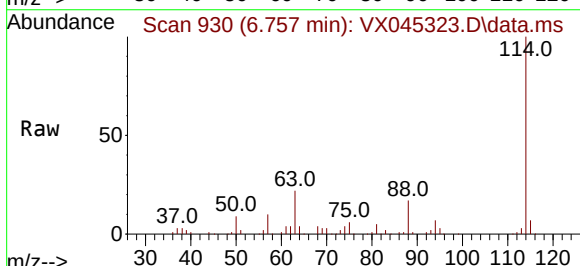
Tgt Ion: 114 Resp: 132613

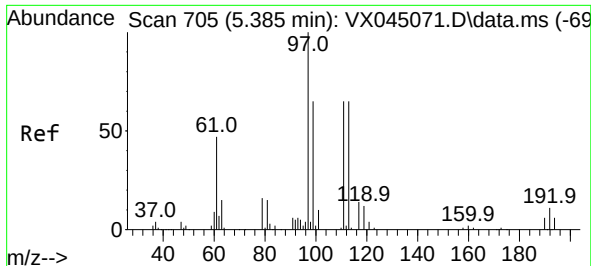
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 17.0 0.0 32.8

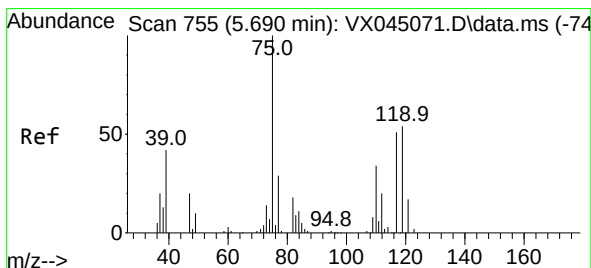
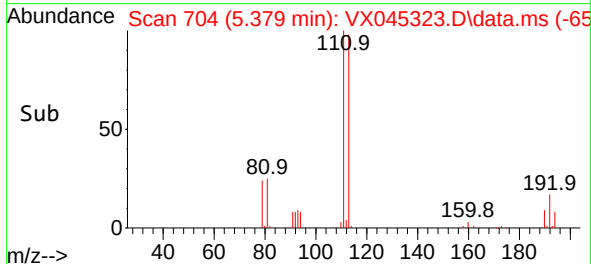
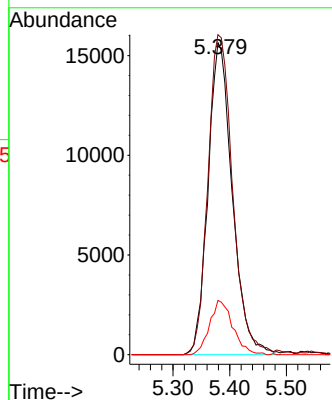
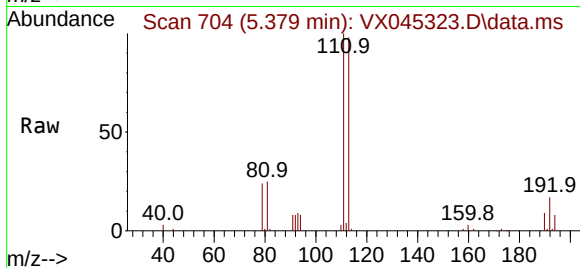




#35
Dibromofluoromethane
Concen: 52.386 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

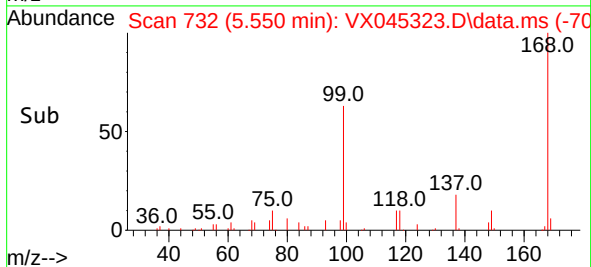
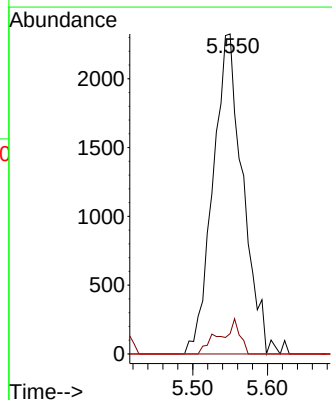
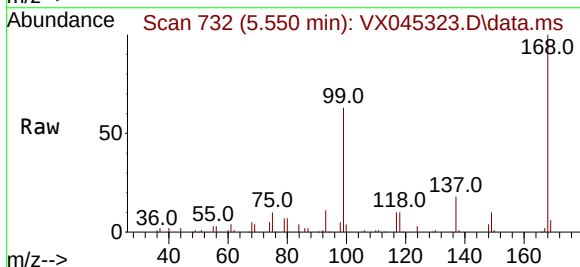
Instrument :
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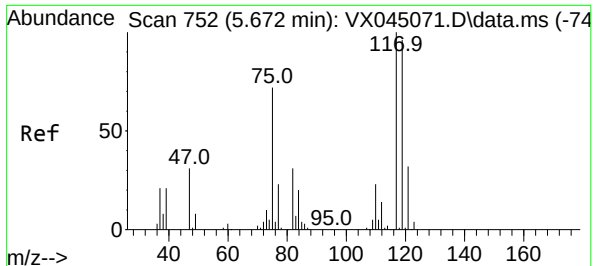
Tgt Ion:113 Resp: 46453
Ion Ratio Lower Upper
113 100
111 105.1 81.8 122.6
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.316 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

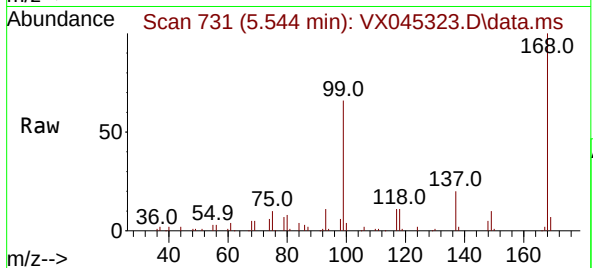
Tgt Ion: 75 Resp: 6465
Ion Ratio Lower Upper
75 100
110 3.6 16.9 50.6#
77 0.0 24.5 36.7#



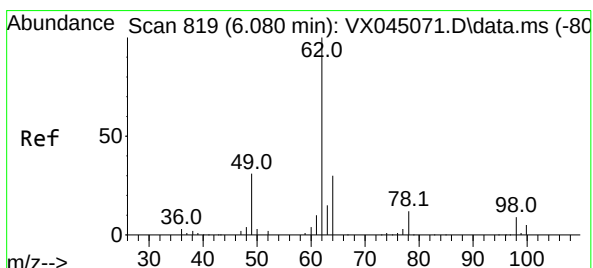
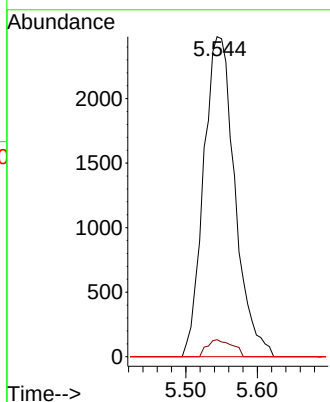
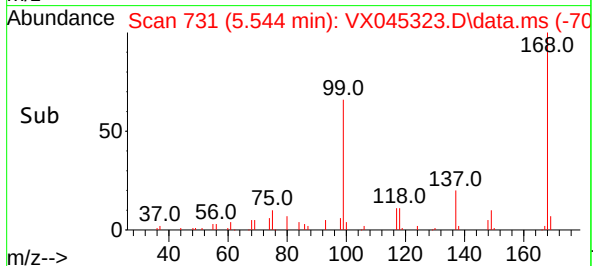


#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

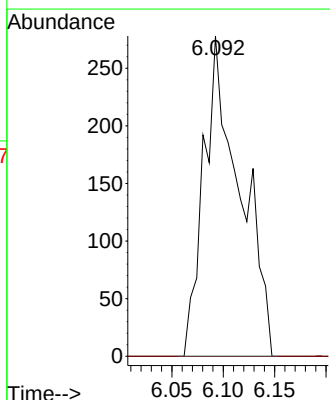
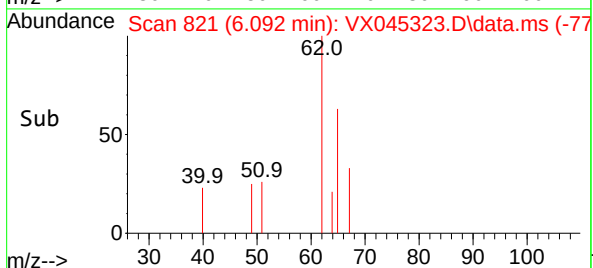
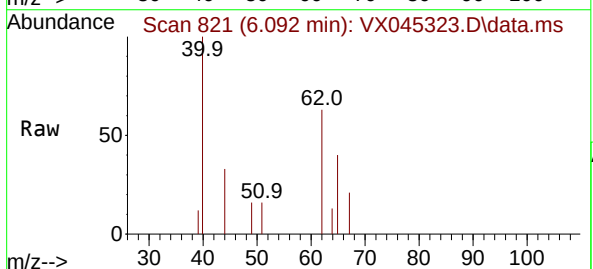


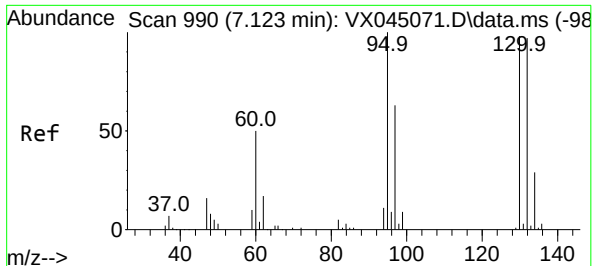
Tgt Ion:117 Resp: 7512
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#42
1,2-Dichloroethane
Concen: 0.492 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 62 Resp: 681
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

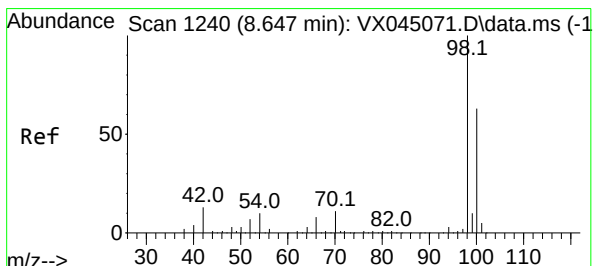
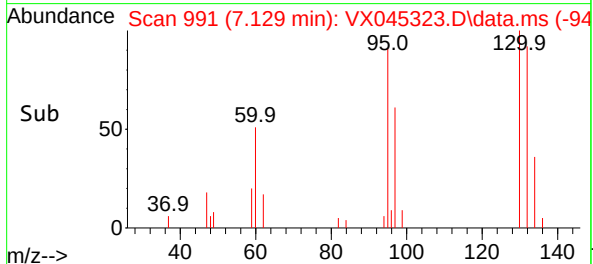
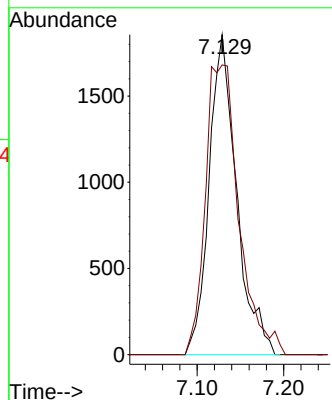
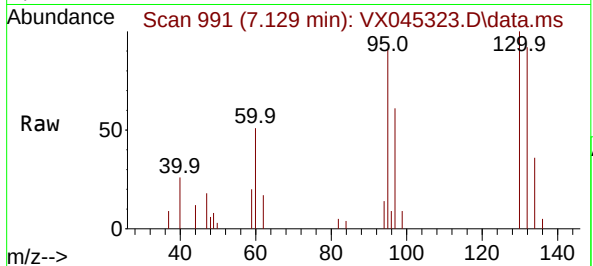




#44
 Trichloroethene
 Concen: 4.531 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX045323.D
 Acq: 18 Mar 2025 14:27

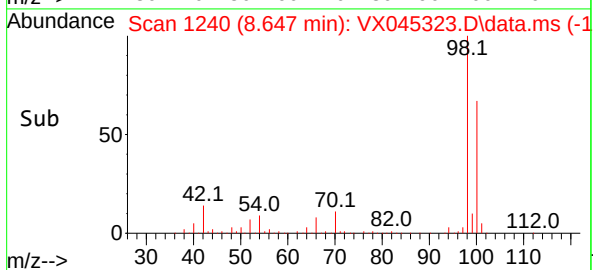
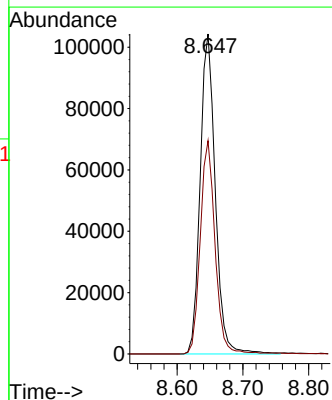
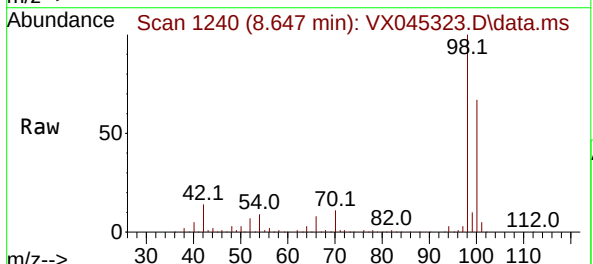
Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20250310

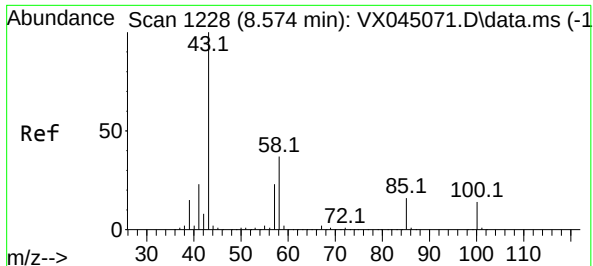
Tgt Ion:130 Resp: 4086
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 205.0



#50
 Toluene-d8
 Concen: 51.848 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX045323.D
 Acq: 18 Mar 2025 14:27

Tgt Ion: 98 Resp: 166680
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.0 78.0

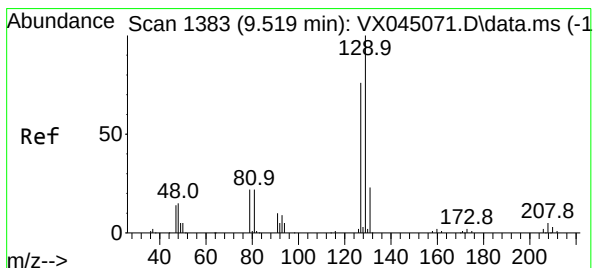
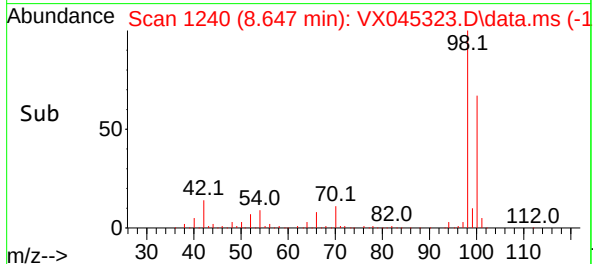
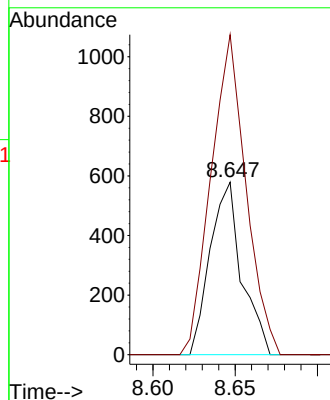
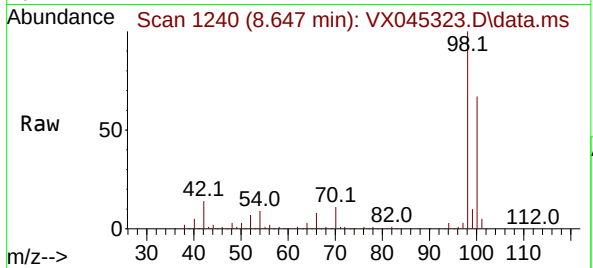




#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

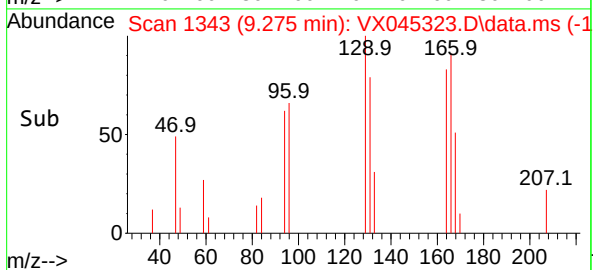
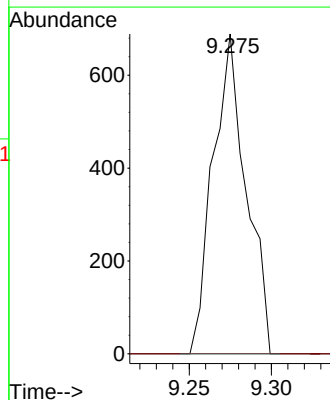
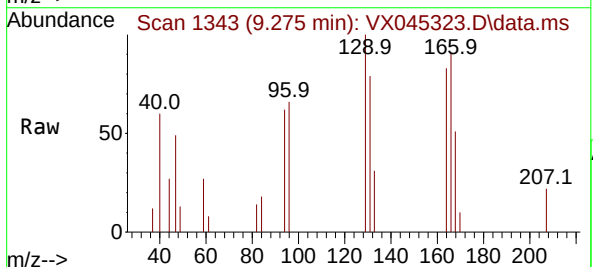
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

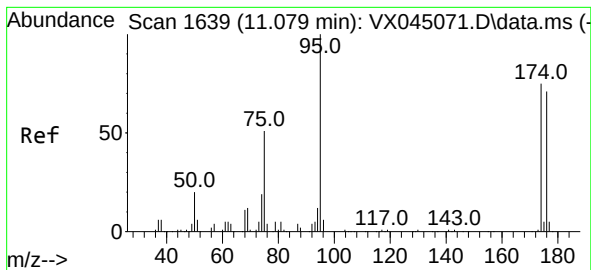
Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 204.9 29.2 43.8#



#60
Dibromochloromethane
Concen: 0.998 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 129 Resp: 968
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

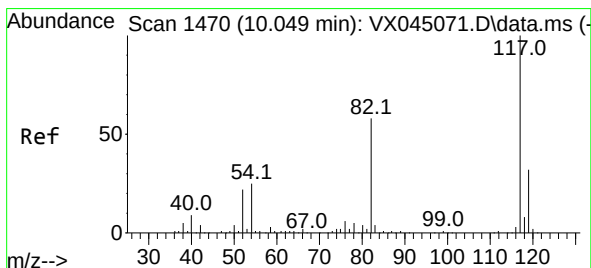
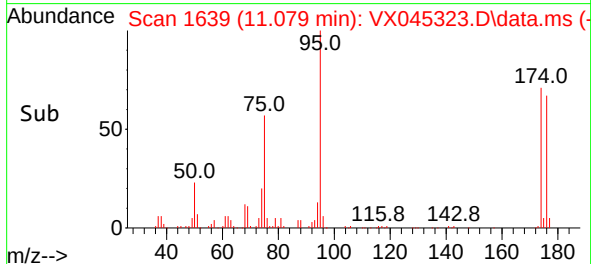
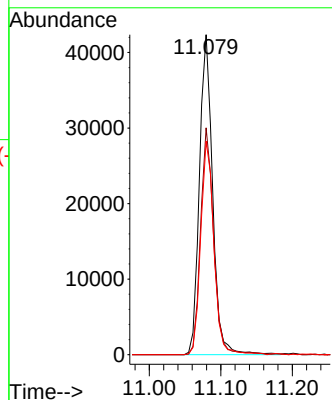
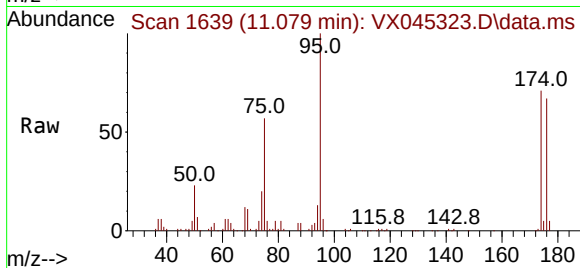




#62
4-Bromofluorobenzene
Concen: 50.912 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

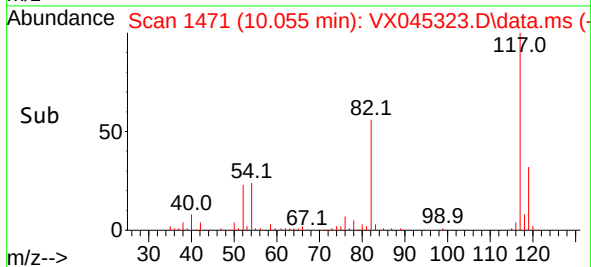
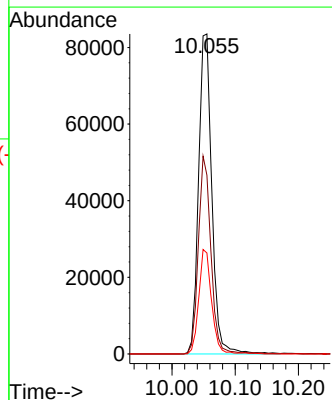
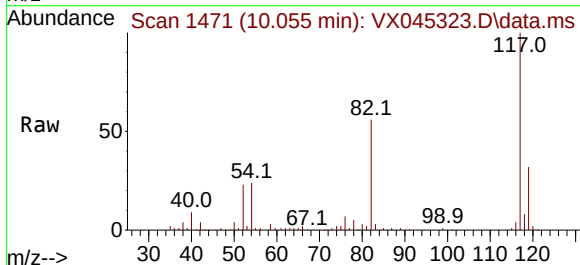
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

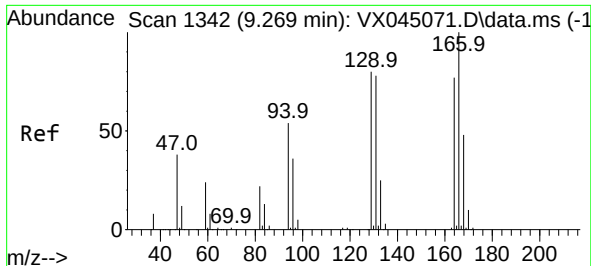
Tgt Ion: 95 Resp: 54236
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 66.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 117 Resp: 121917
Ion Ratio Lower Upper
117 100
82 55.8 46.3 69.5
119 31.5 25.7 38.5



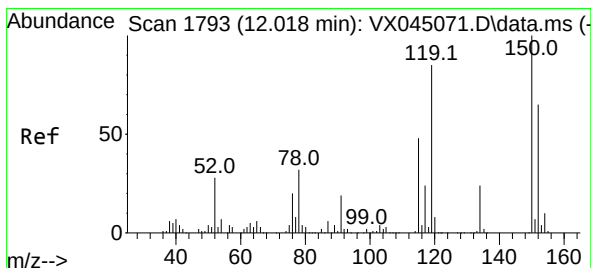
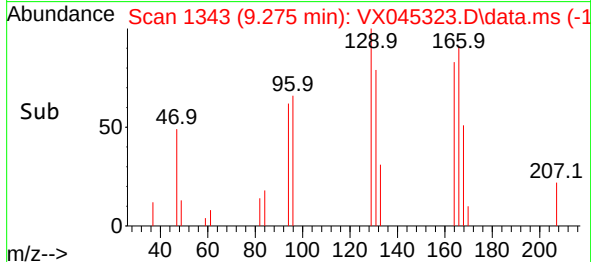
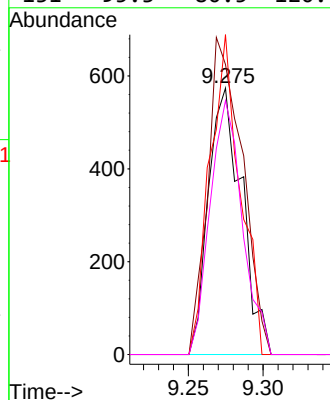
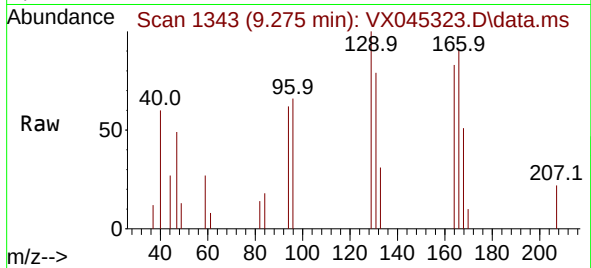


#64
Tetrachloroethene
Concen: 1.141 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

Tgt Ion:164 Resp: 891

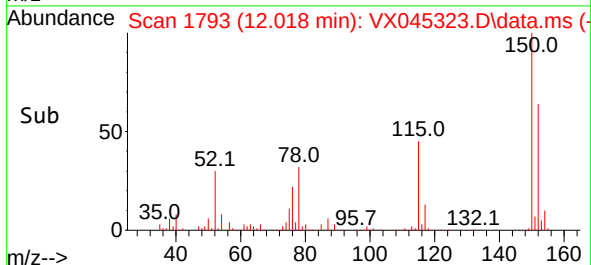
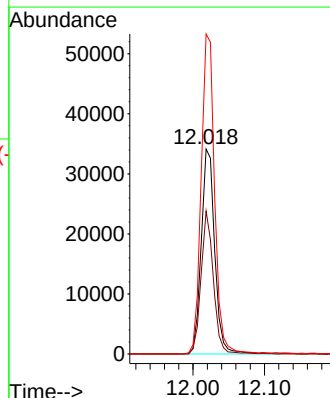
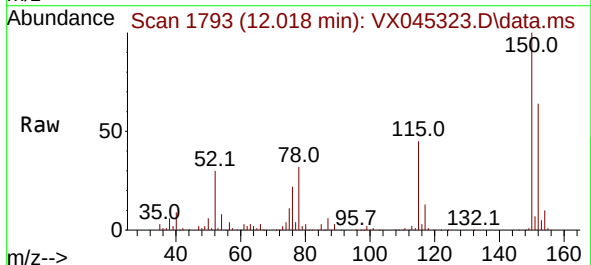
Ion	Ratio	Lower	Upper
164	100		
166	108.9	103.6	155.4
129	120.0	82.7	124.1
131	95.3	80.5	120.7

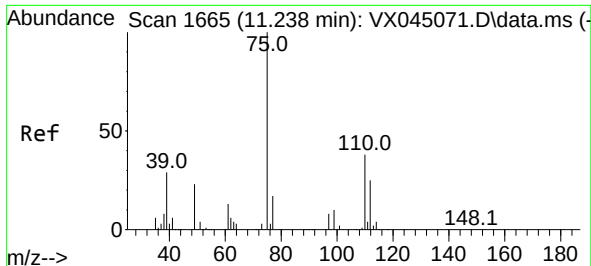


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:152 Resp: 44828

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.2	132.6
150	155.2	0.0	349.0

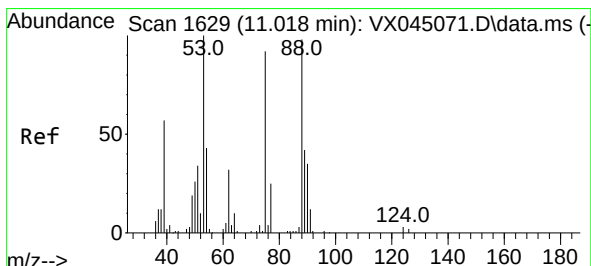
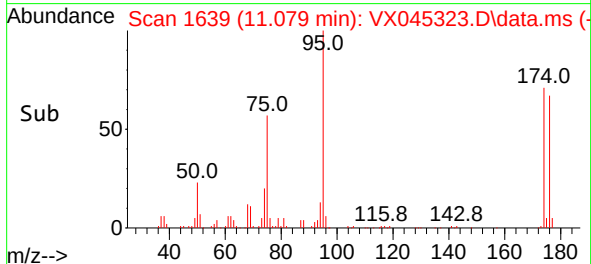
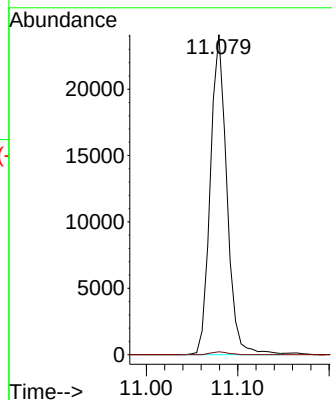
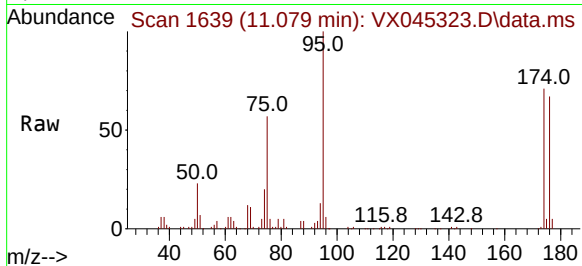




#76
1,2,3-Trichloropropane
Concen: 28.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

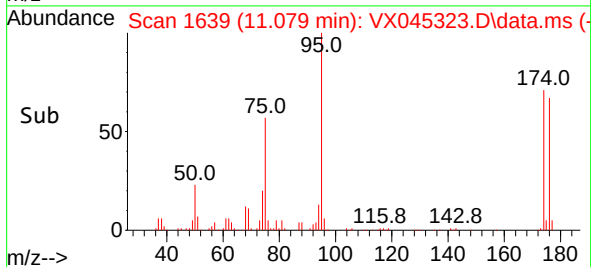
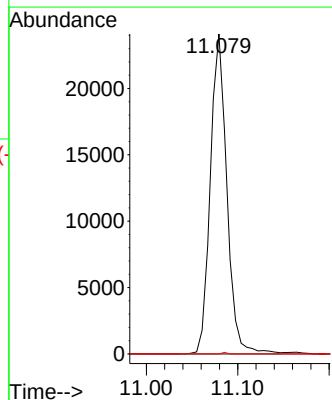
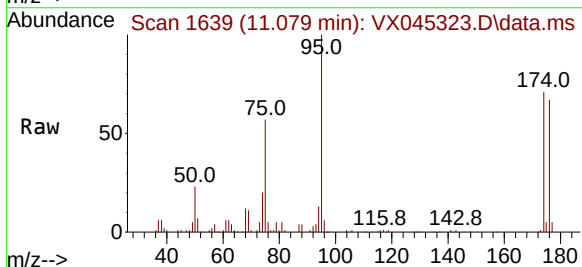
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

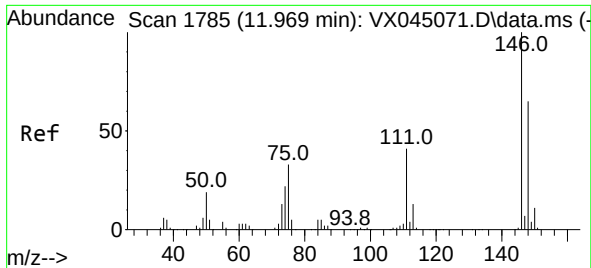
Tgt Ion: 75 Resp: 30198
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion: 75 Resp: 30198
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#

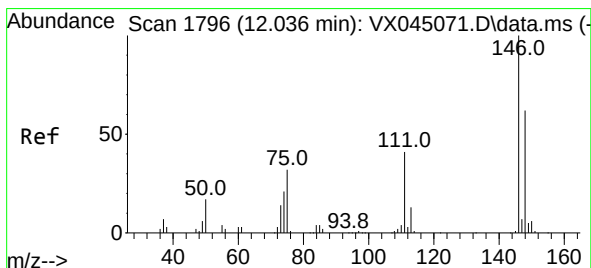
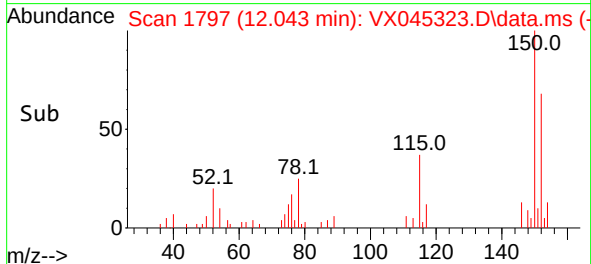
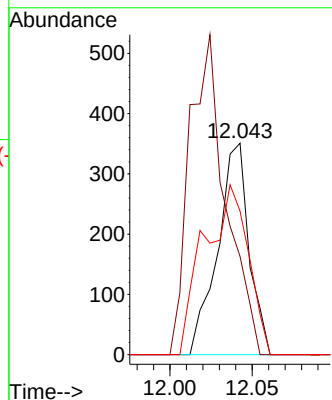
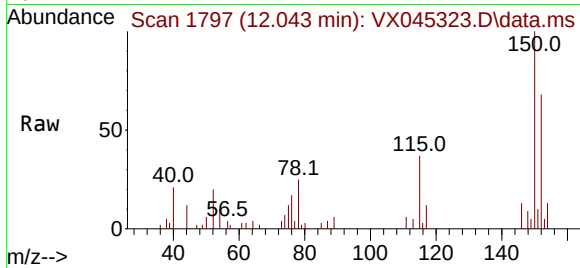




#87
1,3-Dichlorobenzene
Concen: 0.316 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.073 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

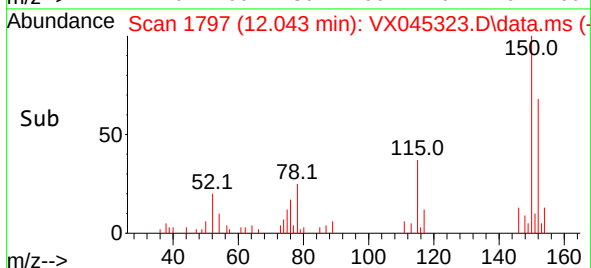
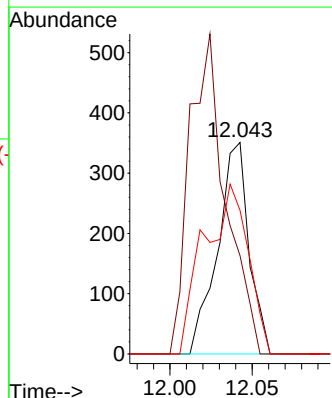
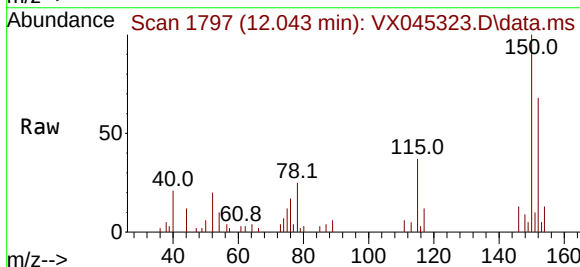
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250310

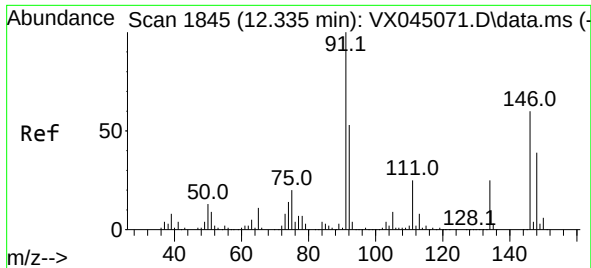
Tgt Ion:146 Resp: 466
Ion Ratio Lower Upper
146 100
111 173.4 21.1 63.4#
148 112.2 31.9 95.7#



#88
1,4-Dichlorobenzene
Concen: 0.313 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045323.D
Acq: 18 Mar 2025 14:27

Tgt Ion:146 Resp: 466
Ion Ratio Lower Upper
146 100
111 173.4 20.2 60.5#
148 112.2 31.9 95.9#





#91

1,2-Dichlorobenzene

Concen: 0.292 ug/l

RT: 12.341 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045323.D

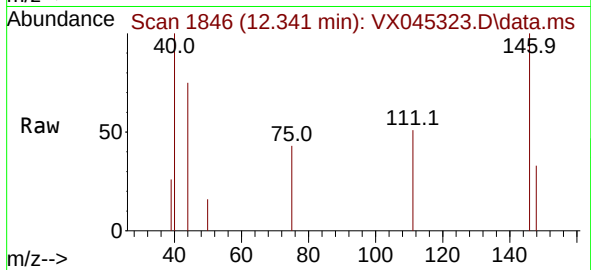
Acq: 18 Mar 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20250310



Tgt Ion:146 Resp: 431

Ion Ratio Lower Upper

146 100

111 33.2 21.6 65.0

148 68.7 31.9 95.9

