

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045205.D
 Acq On : 10 Mar 2025 18:44
 Operator : JC/MD
 Sample : Q1531-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20250307

Quant Time: Mar 11 04:01:27 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)

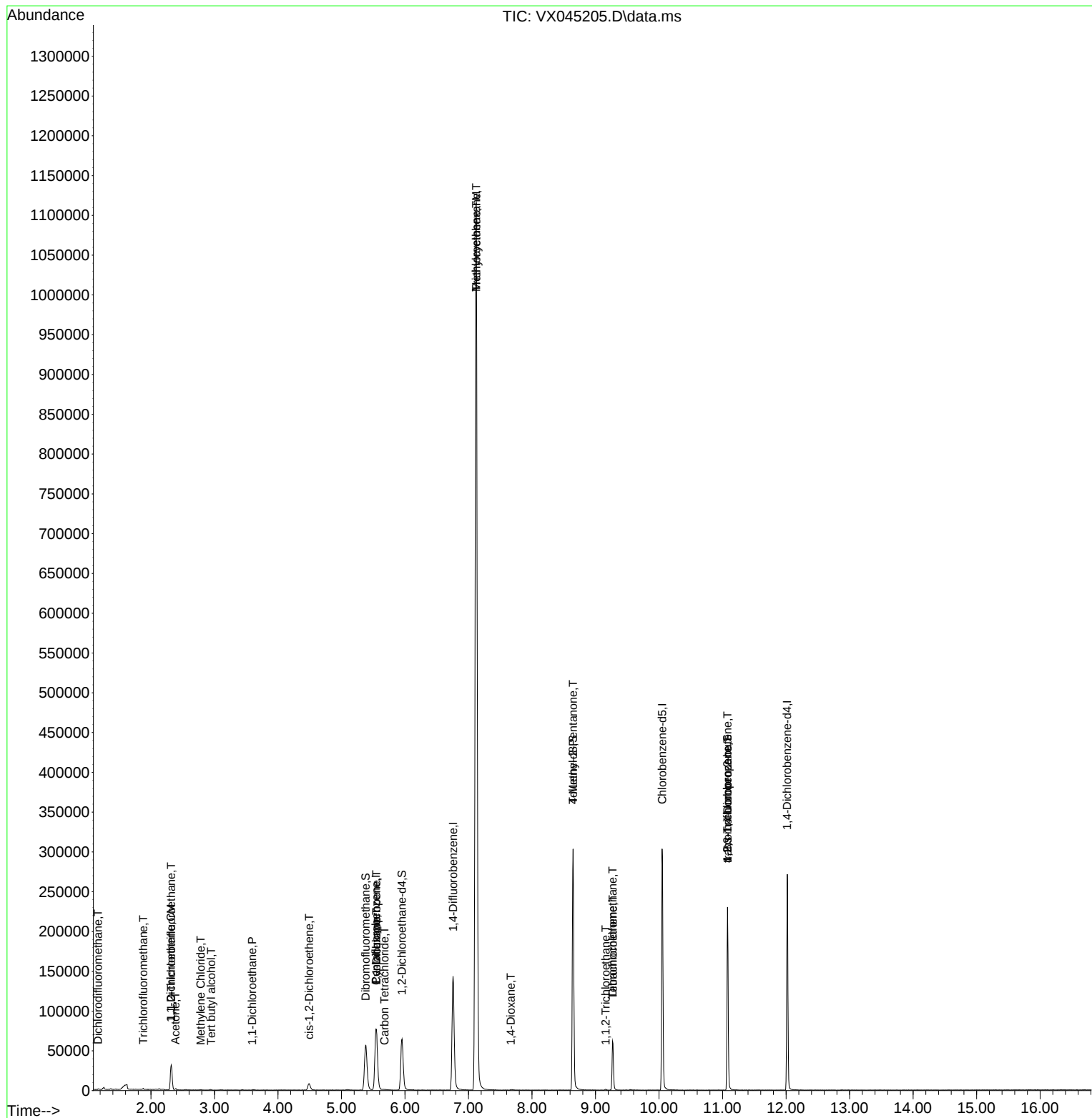
Internal Standards						
1) Pentafluorobenzene	5.544	168	73994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142884	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62001	52.678	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.360%			
35) Dibromofluoromethane	5.379	113	50224	52.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.647	98	177919	51.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	11.079	95	60216	52.463	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	351	0.377	ug/l	87
7) Trichlorofluoromethane	1.880	101	412	0.275	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	2.319	101	10145	11.797	ug/l	99
11) Tert butyl alcohol	2.947	59	110	0.493	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	2967	3.263	ug/l	83
16) Acetone	2.386	43	831	1.522	ug/l	98
20) Methylene Chloride	2.782	84	261	0.241	ug/l #	75
24) 1,1-Dichloroethane	3.593	63	887	0.481	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	5219	4.707	ug/l	96
31) Cyclohexane	5.550	56	1815	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6678	5.097	ug/l #	51
38) Carbon Tetrachloride	5.678	117	459	0.345	ug/l #	60
39) Methylcyclohexane	7.123	83	5597	3.565	ug/l #	1
44) Trichloroethene	7.123	130	423226	435.627	ug/l	100
49) 1,4-Dioxane	7.665	88	380	14.383	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	959	0.572	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	354	0.354	ug/l #	84
60) Dibromochloromethane	9.269	129	11323	10.836	ug/l #	11
64) Tetrachloroethene	9.275	164	11459	13.652	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	32766	26.566	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32766	90.915	ug/l #	6

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

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RE125D2-20250307

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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

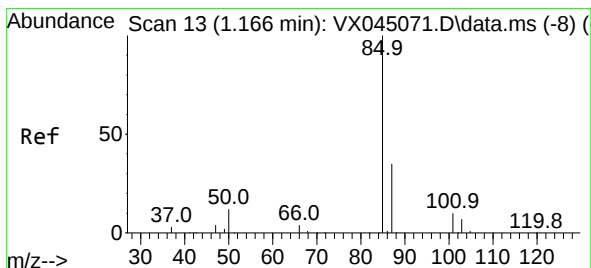
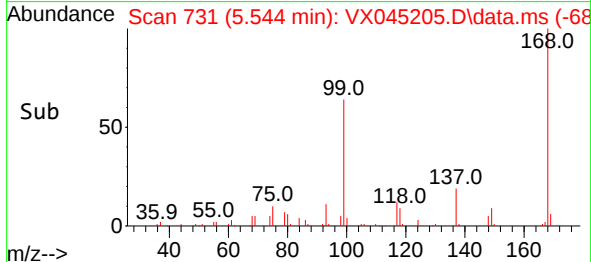
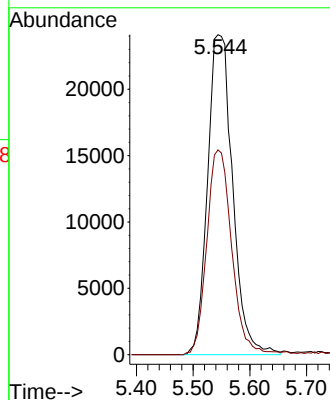
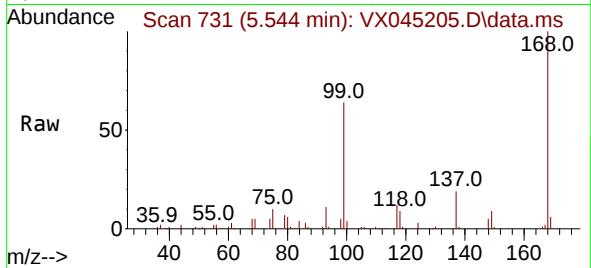




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

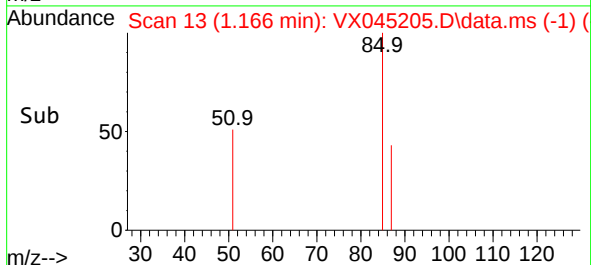
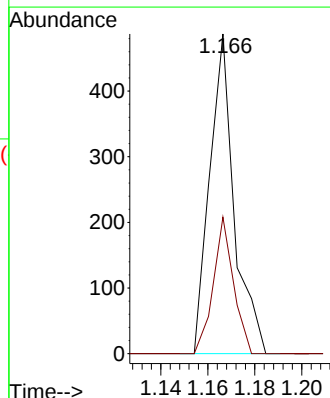
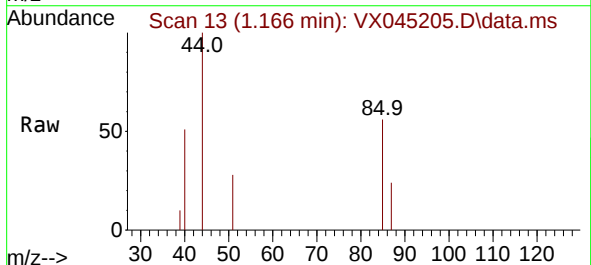
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

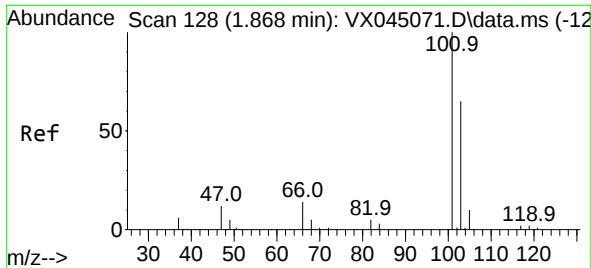
Tgt Ion:168 Resp: 73994
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.377 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion: 85 Resp: 351
Ion Ratio Lower Upper
85 100
87 42.7 17.4 52.3

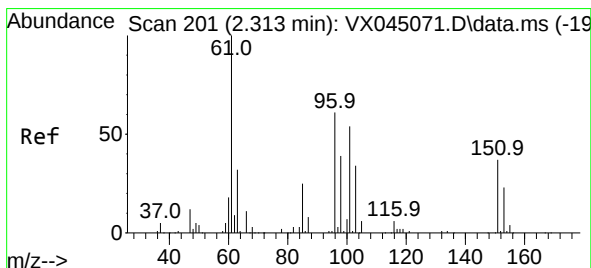
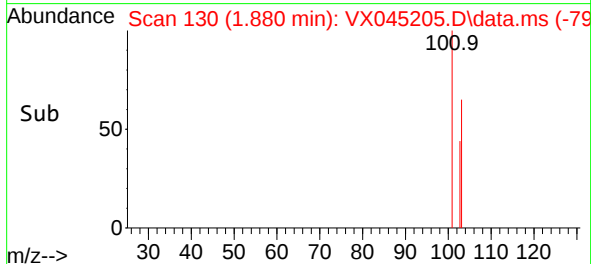
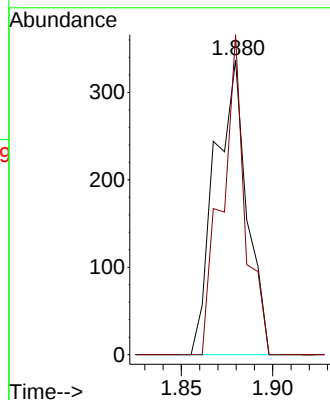
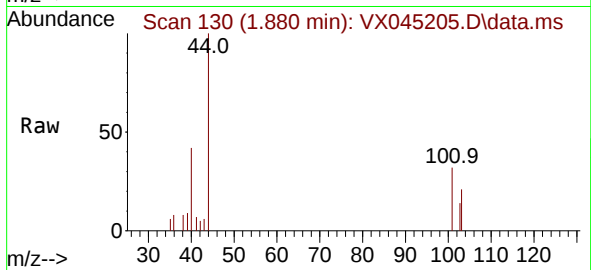




#7
 Trichlorofluoromethane
 Concen: 0.275 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

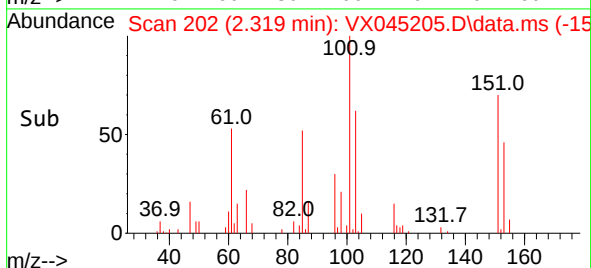
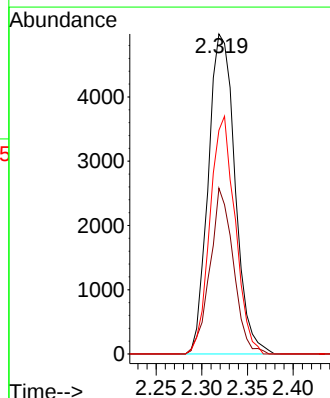
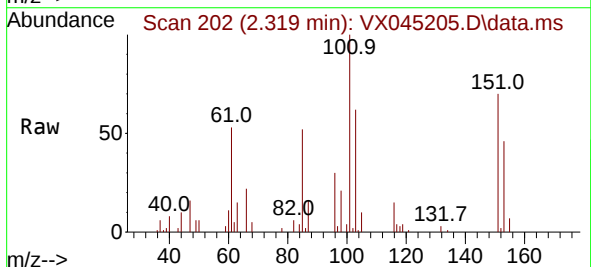
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20250307

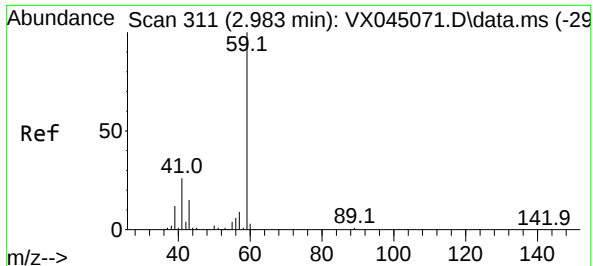
Tgt Ion:101 Resp: 412
 Ion Ratio Lower Upper
 101 100
 103 108.6 52.1 78.1#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.797 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

Tgt Ion:101 Resp: 10145
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.2 54.4
 151 69.7 56.4 84.6





#11

Tert butyl alcohol

Concen: 0.493 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

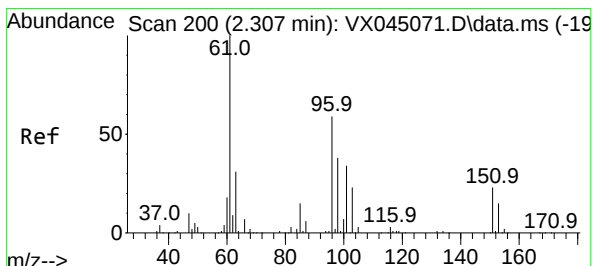
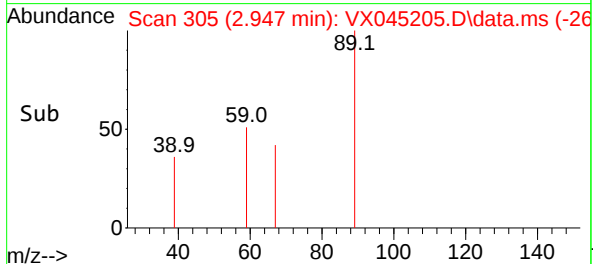
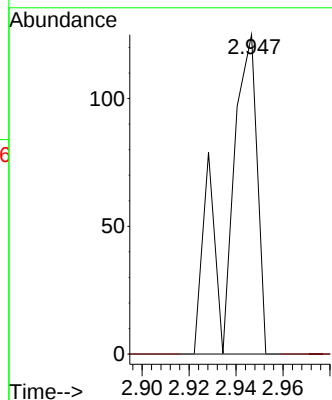
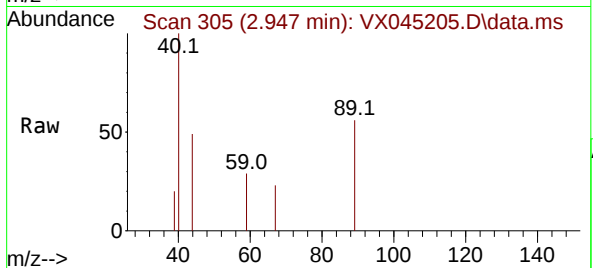
RE125D2-20250307

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 3.263 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

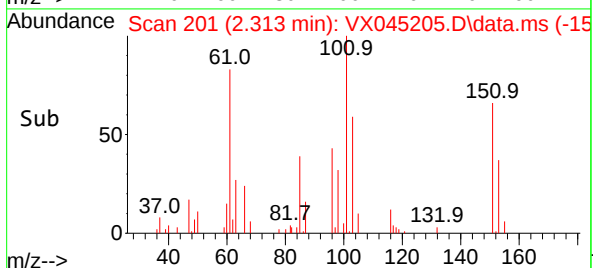
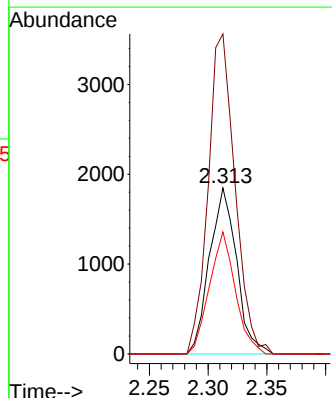
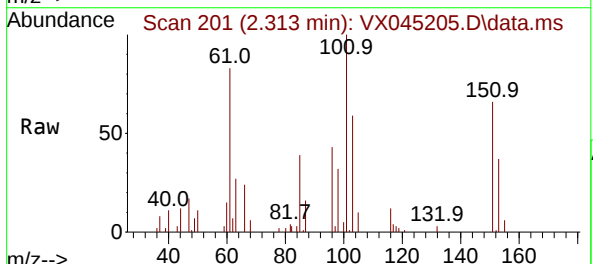
Tgt Ion: 96 Resp: 2967

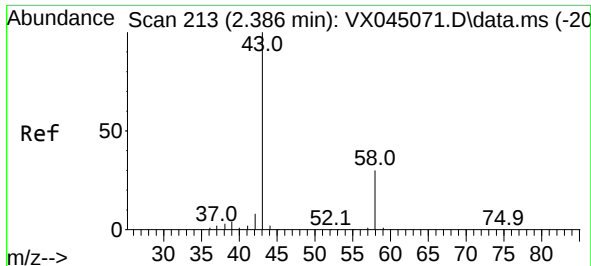
Ion Ratio Lower Upper

96 100

61 192.9 134.6 202.0

98 73.5 51.0 76.6





#16

Acetone

Concen: 1.522 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

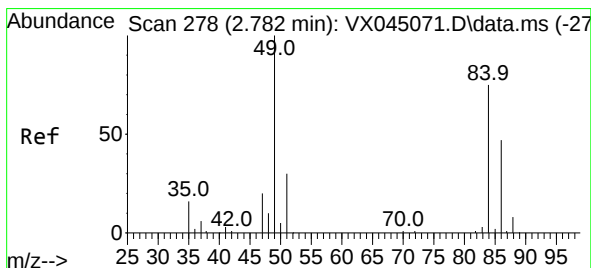
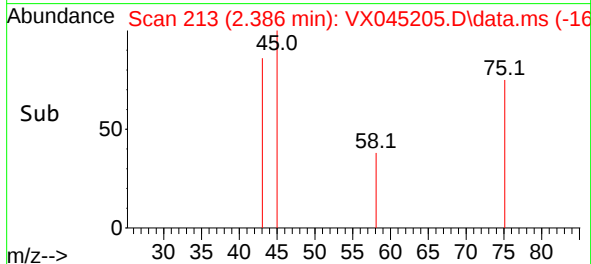
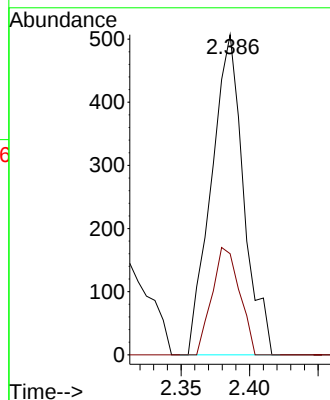
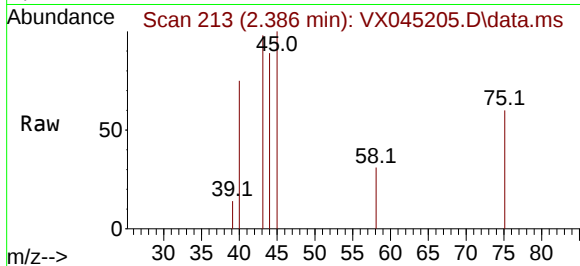
RE125D2-20250307

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 31.6 24.2 36.4



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

Tgt Ion: 84 Resp: 261

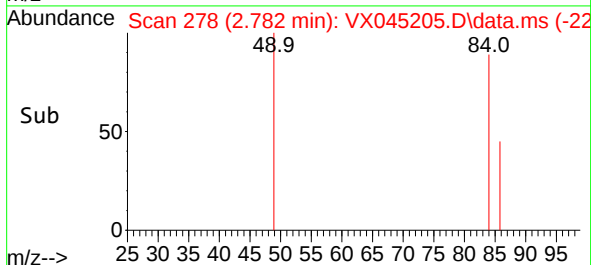
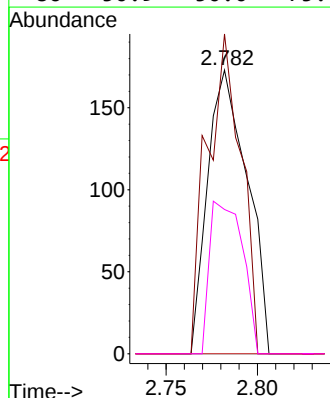
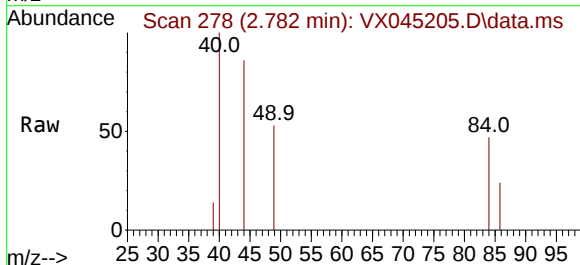
Ion Ratio Lower Upper

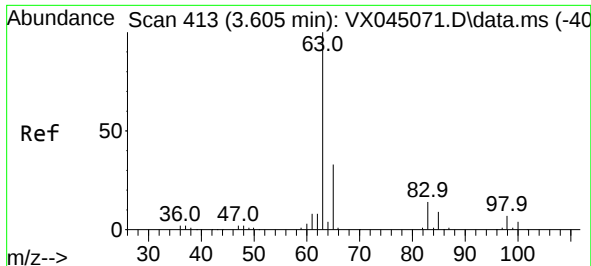
84 100

49 112.7 106.5 159.7

51 0.0 32.1 48.1#

86 50.9 50.0 75.0

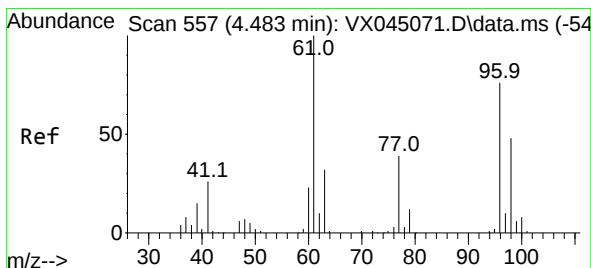
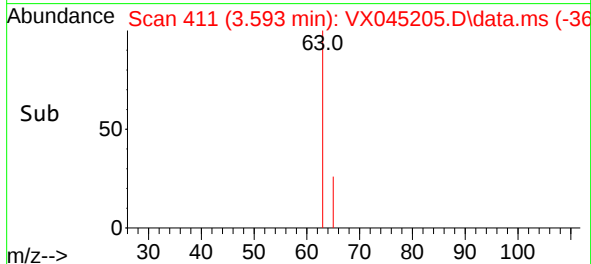
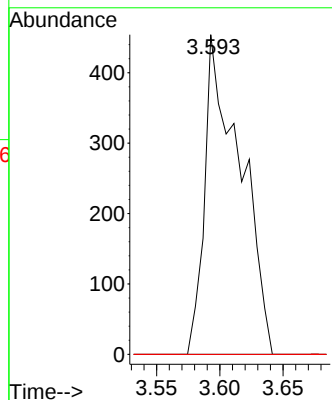
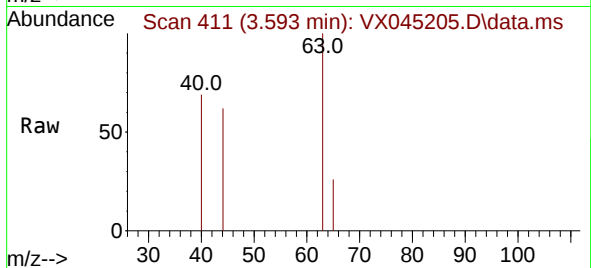




#24
 1,1-Dichloroethane
 Concen: 0.481 ug/l
 RT: 3.593 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

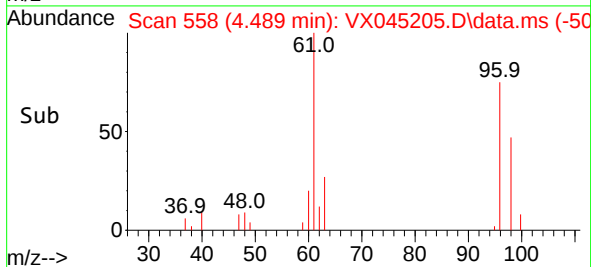
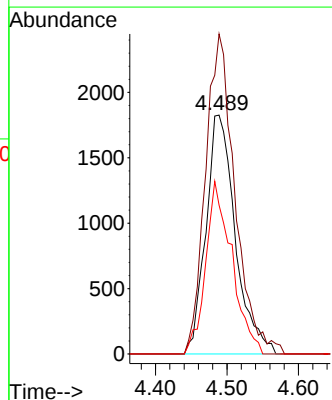
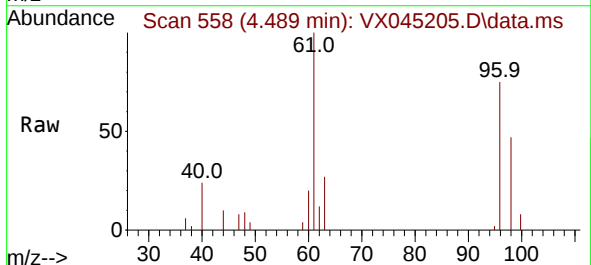
Instrument :
 MSVOA_X
 ClientSampleId :
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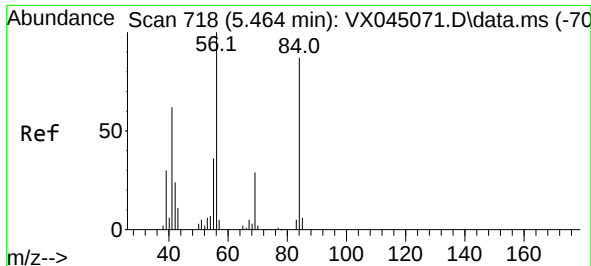
Tgt Ion: 63 Resp: 887
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 4.707 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

Tgt Ion: 96 Resp: 5219
 Ion Ratio Lower Upper
 96 100
 61 134.2 0.0 283.2
 98 64.4 0.0 128.0

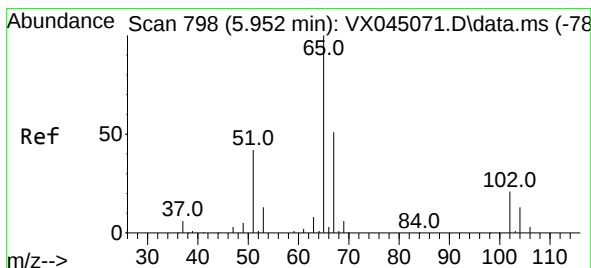
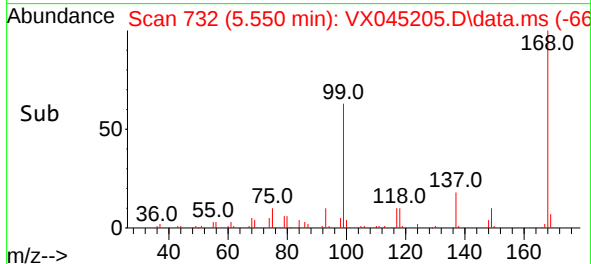
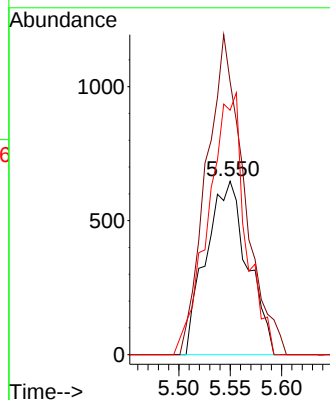
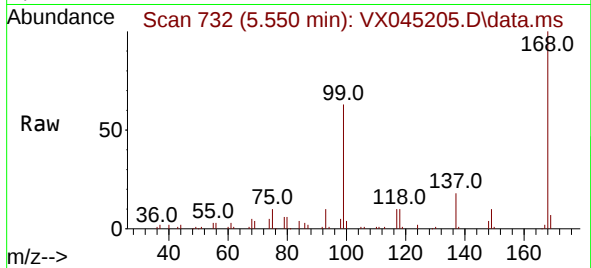




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

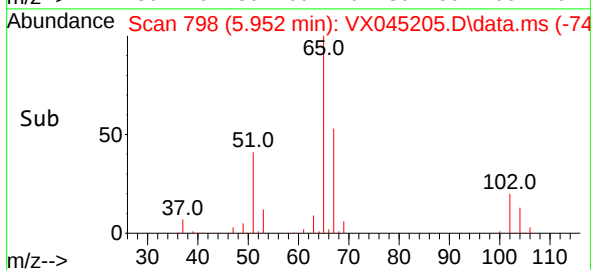
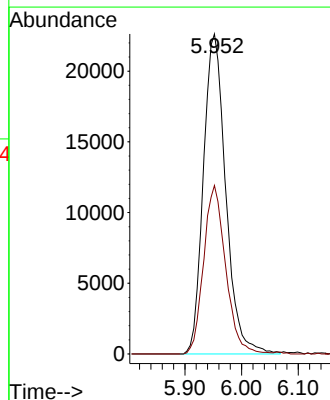
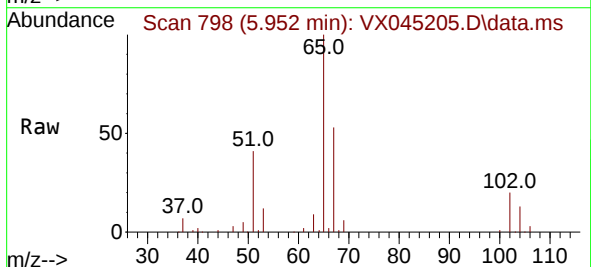
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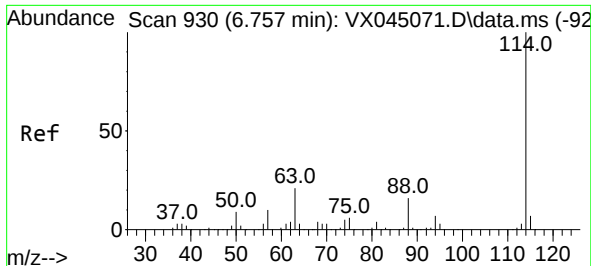
Tgt Ion: 56 Resp: 1815
Ion Ratio Lower Upper
56 100
69 157.3 23.4 35.2#
84 141.0 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.678 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion: 65 Resp: 62001
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2

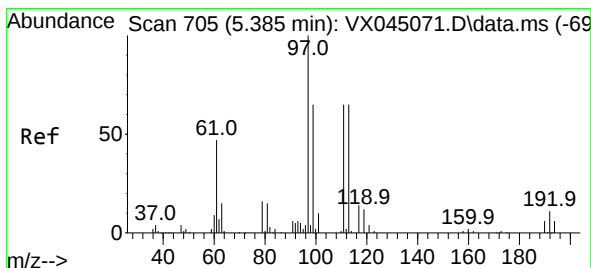
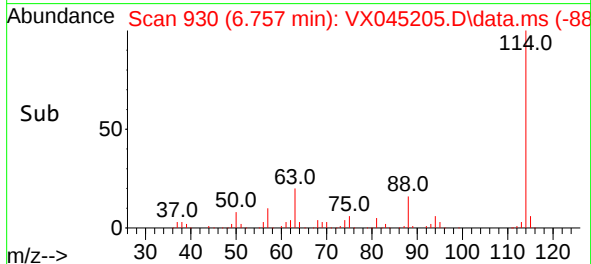
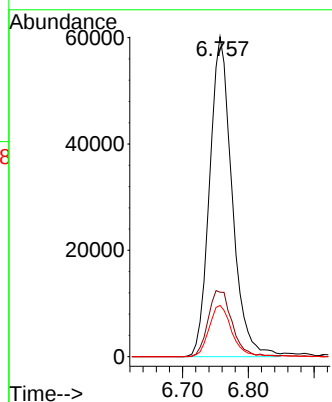
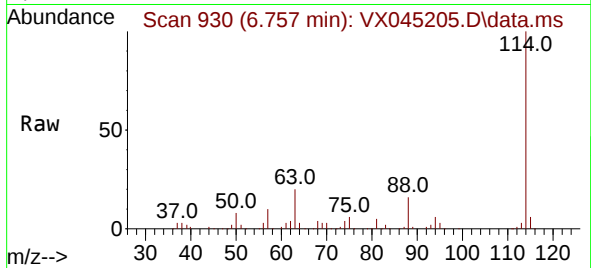




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

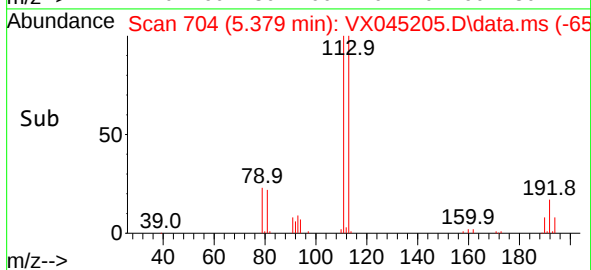
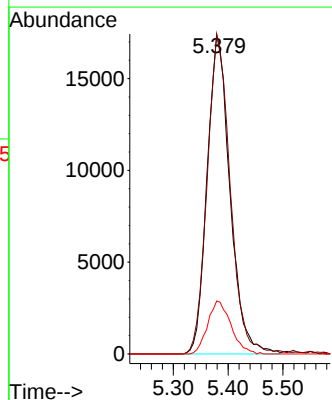
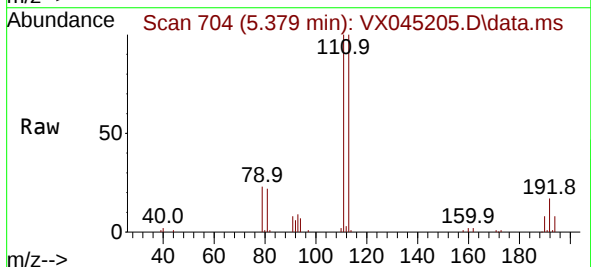
Instrument :
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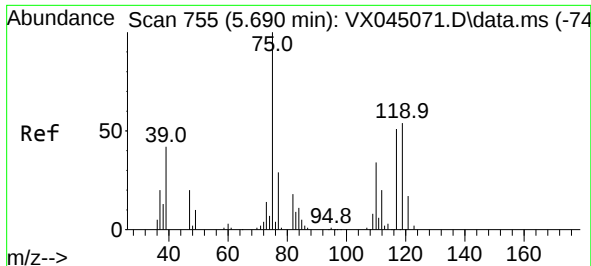
Tgt Ion:114	Resp: 142884
Ion Ratio	Lower Upper
114 100	
63 20.2	0.0 41.8
88 16.0	0.0 32.8



#35
Dibromofluoromethane
Concen: 52.567 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

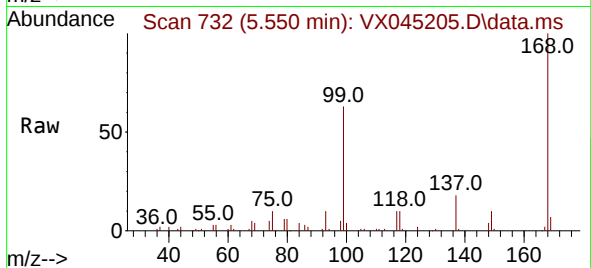
Tgt Ion:113	Resp: 50224		
Ion Ratio	Lower	Upper	
113 100			
111 101.2	81.8	122.6	
192 17.0	14.3	21.5	



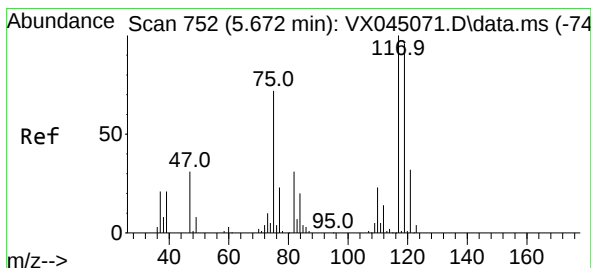
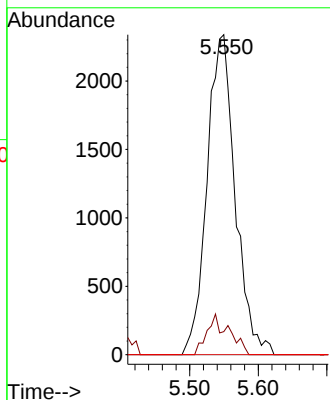
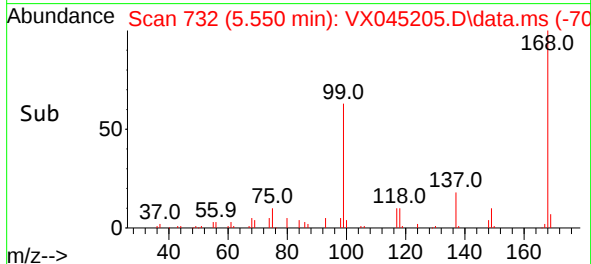


#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 5.550 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

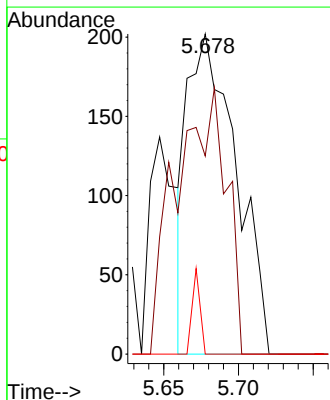
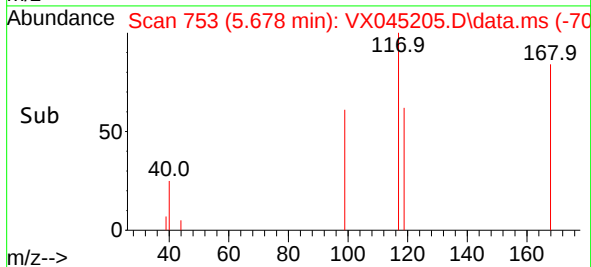
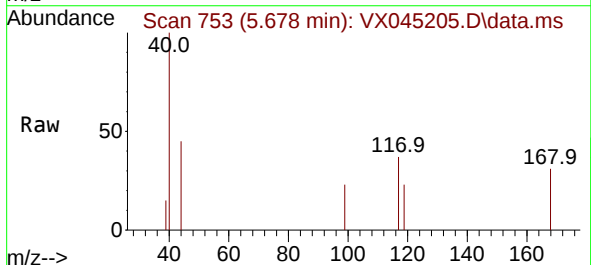


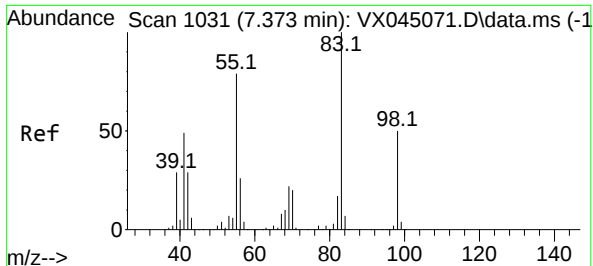
Tgt Ion: 75 Resp: 6678
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 0.345 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion: 117 Resp: 459
Ion Ratio Lower Upper
117 100
119 61.9 76.7 115.1#
121 0.0 25.5 38.3#

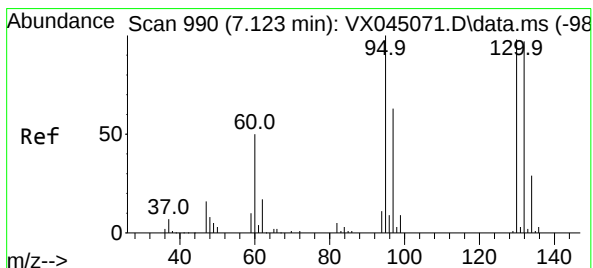
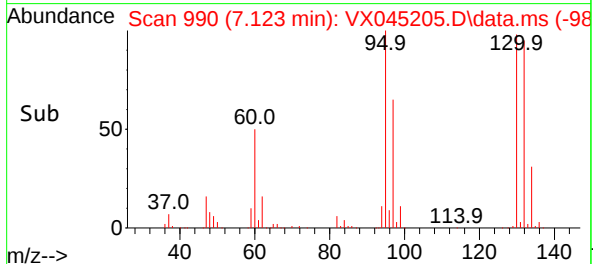
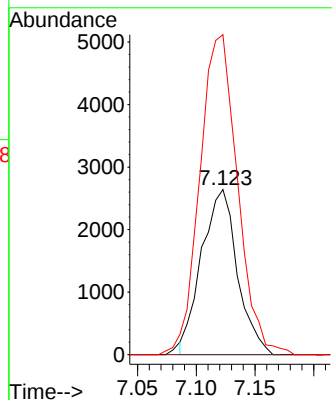
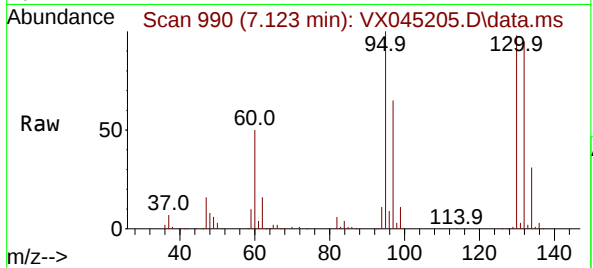




#39
Methylcyclohexane
Concen: 3.565 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

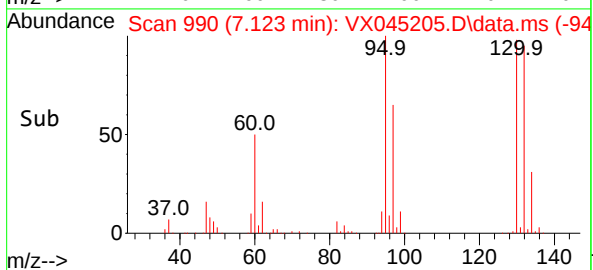
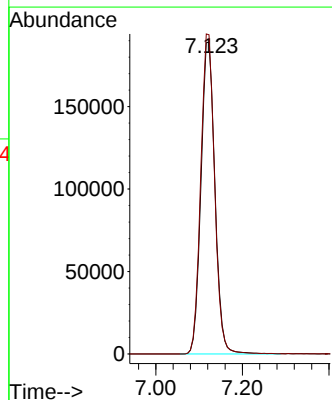
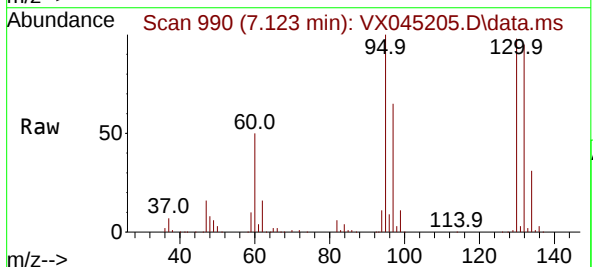
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

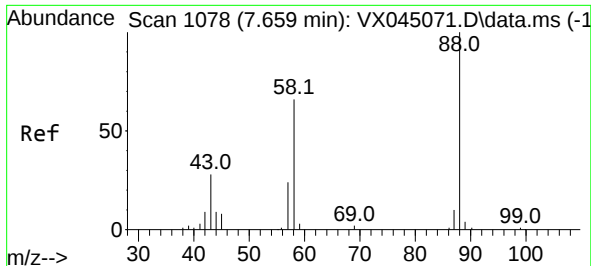
Tgt Ion: 83 Resp: 5597
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 189.9 39.7 59.5#



#44
Trichloroethene
Concen: 435.627 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion:130 Resp: 423226
Ion Ratio Lower Upper
130 100
95 102.4 0.0 205.0





#49

1,4-Dioxane

Concen: 14.383 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

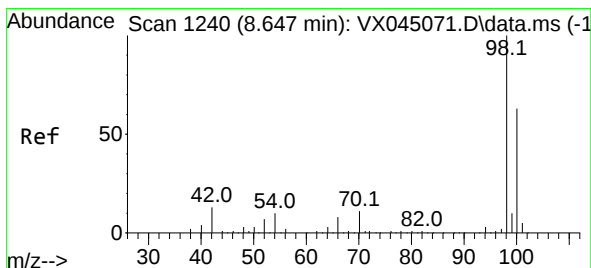
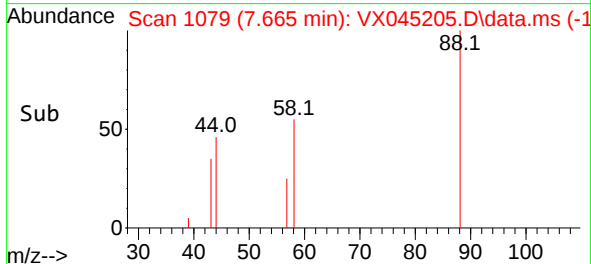
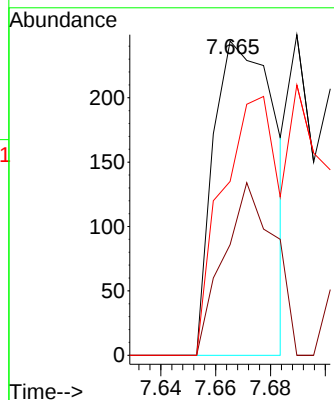
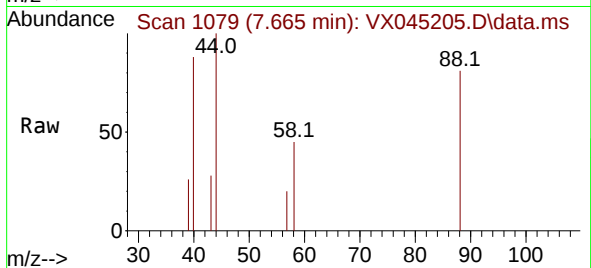
Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20250307

Tgt Ion: 88	Resp: 380
Ion Ratio	Lower Upper
88	100
43	45.0 28.7 43.1#
58	74.5 55.8 83.8



#50

Toluene-d8

Concen: 51.366 ug/l

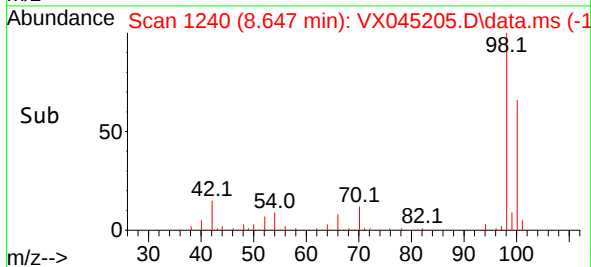
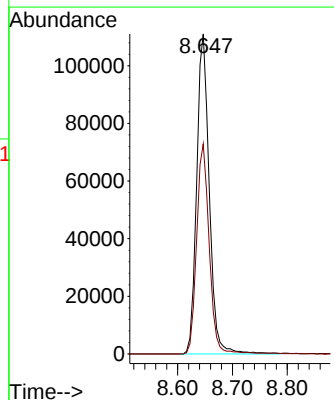
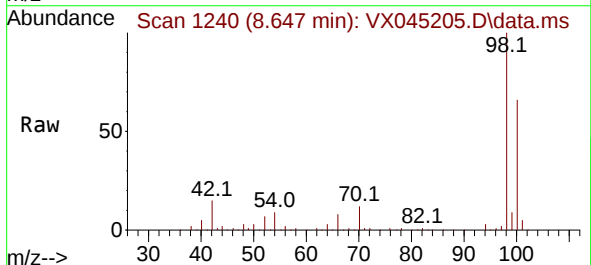
RT: 8.647 min Scan# 1240

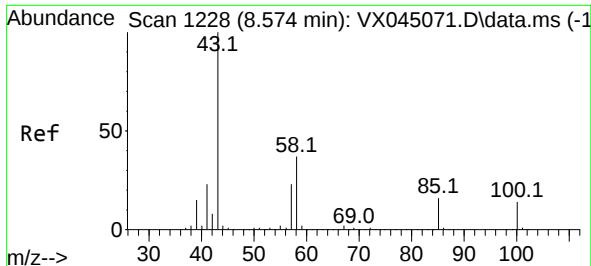
Delta R.T. -0.000 min

Lab File: VX045205.D

Acq: 10 Mar 2025 18:44

Tgt Ion: 98	Resp: 177919
Ion Ratio	Lower Upper
98	100
100	65.9 52.0 78.0

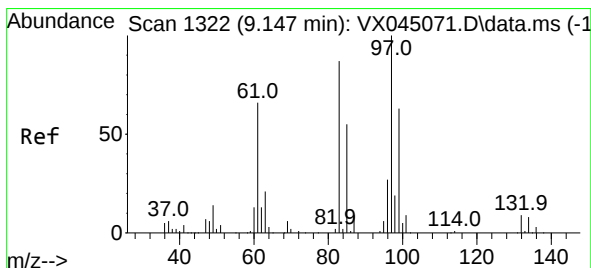
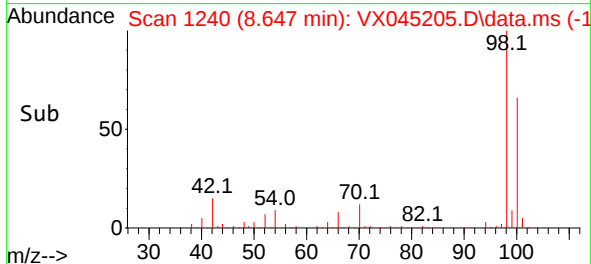
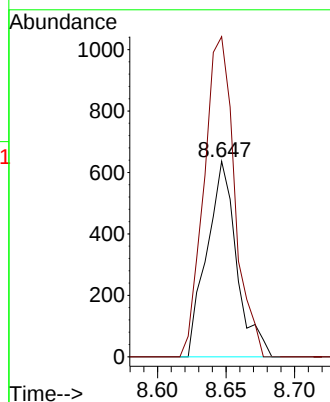
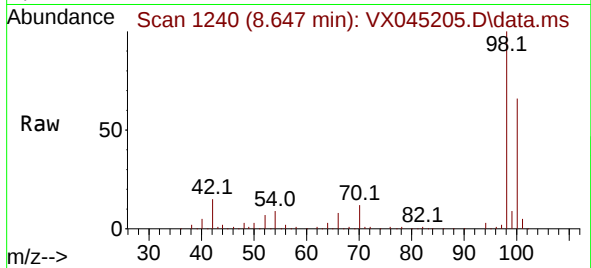




#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

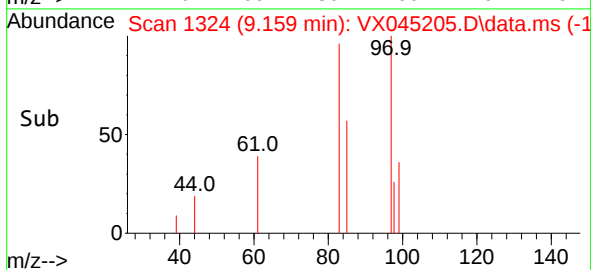
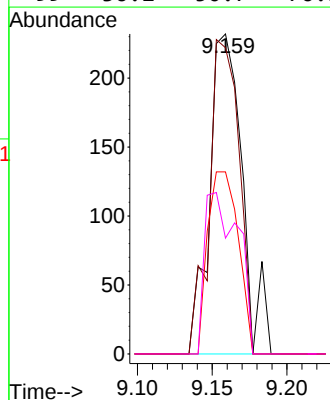
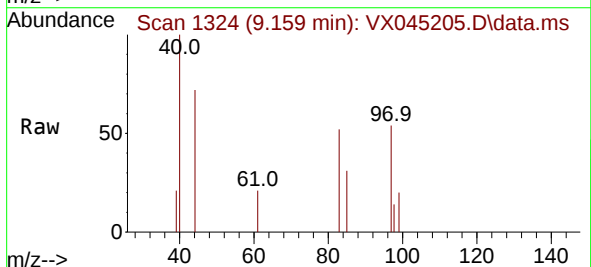
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

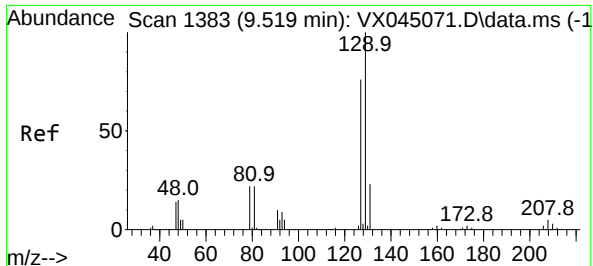
Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
58 168.9 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.354 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion: 97 Resp: 354
Ion Ratio Lower Upper
97 100
83 95.7 69.4 104.2
85 56.9 44.1 66.1
99 36.2 50.7 76.1#

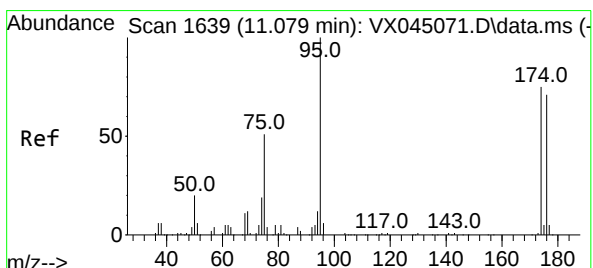
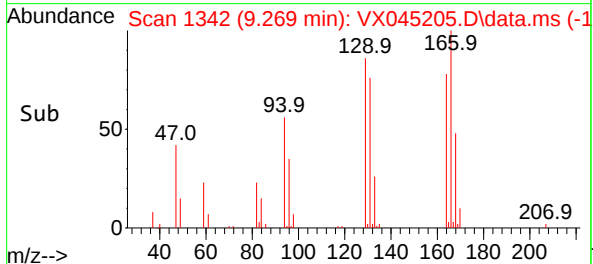
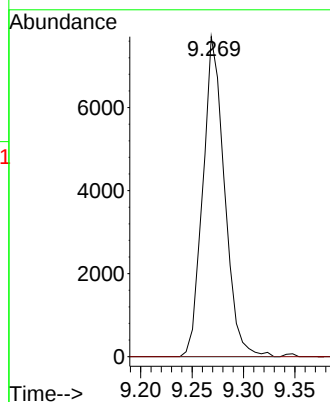
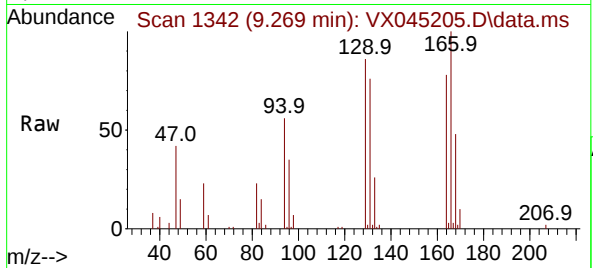




#60
Dibromochloromethane
Concen: 10.836 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

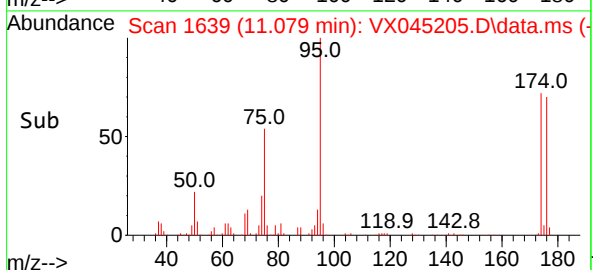
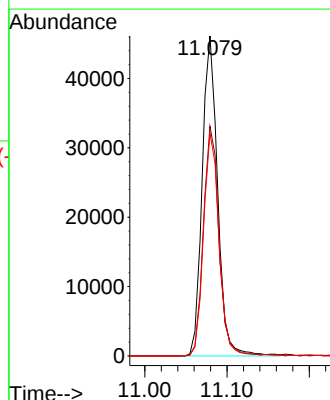
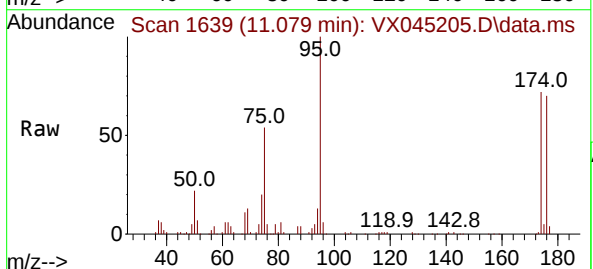
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

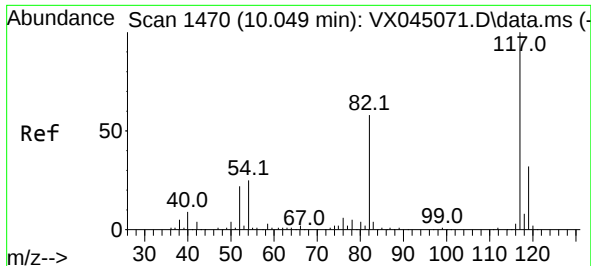
Tgt Ion:129 Resp: 11323
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion: 95 Resp: 60216
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 70.4 0.0 141.4

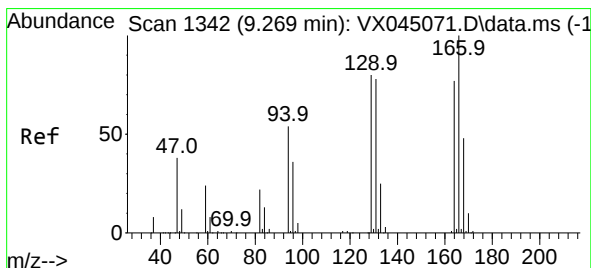
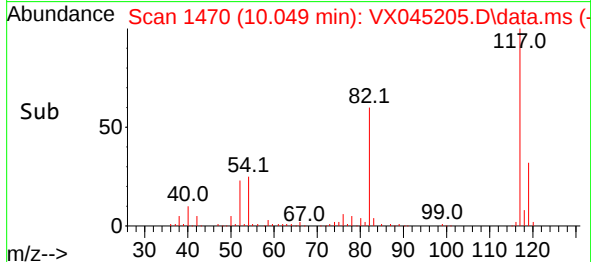
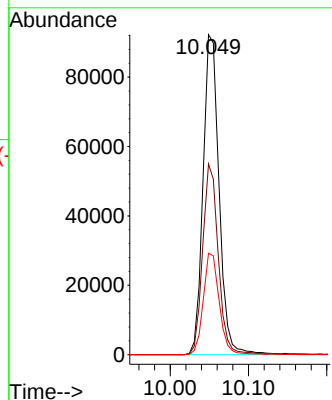
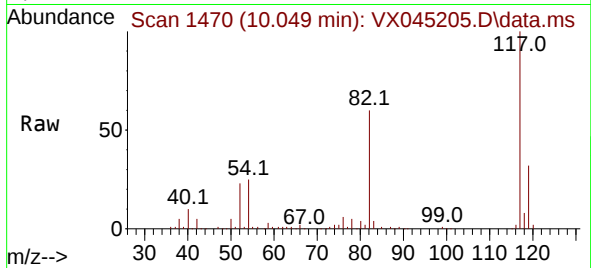




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

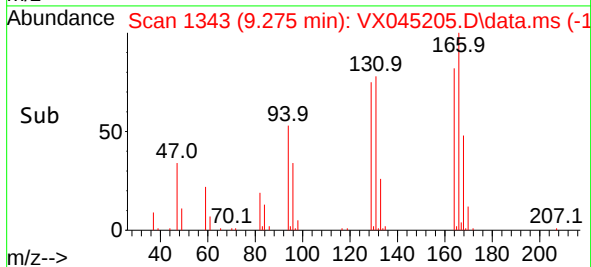
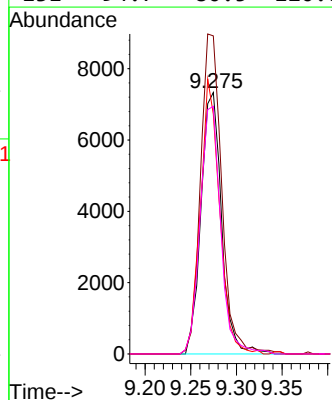
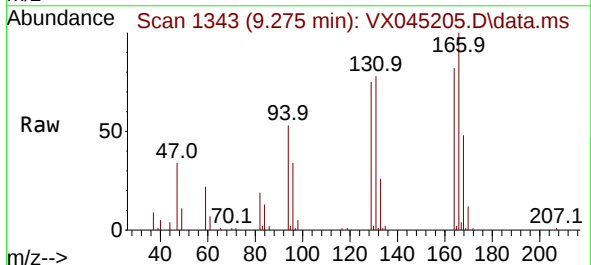
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250307

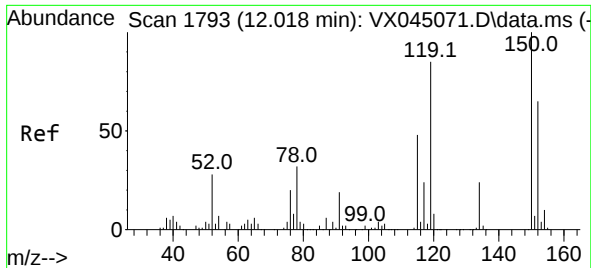
Tgt Ion:117 Resp: 131060
Ion Ratio Lower Upper
117 100
82 59.6 46.3 69.5
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 13.652 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045205.D
Acq: 10 Mar 2025 18:44

Tgt Ion:164 Resp: 11459
Ion Ratio Lower Upper
164 100
166 121.6 103.6 155.4
129 91.7 82.7 124.1
131 94.7 80.5 120.7

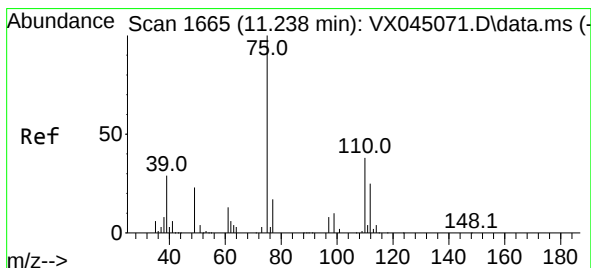
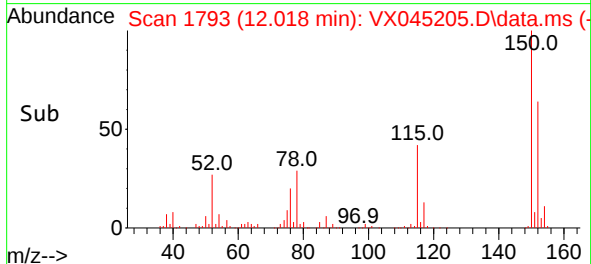
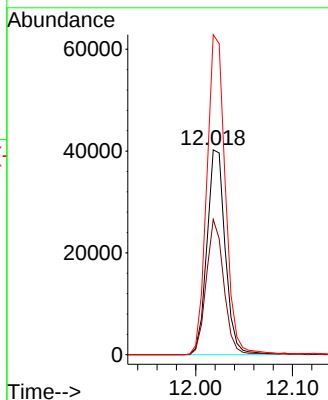
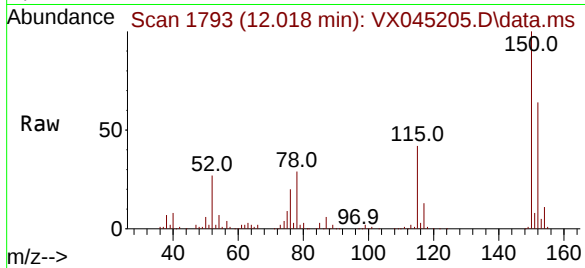




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

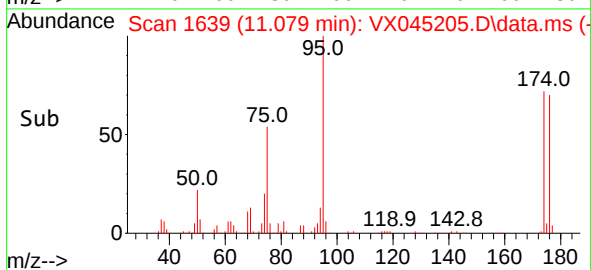
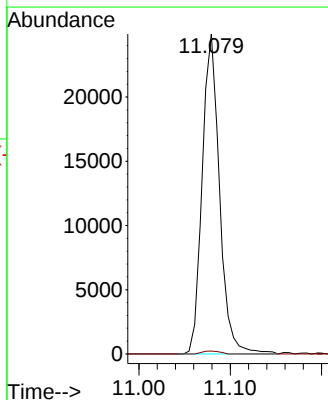
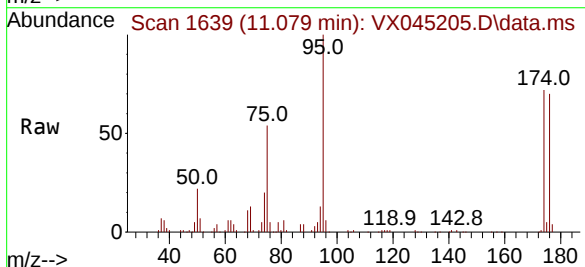
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20250307

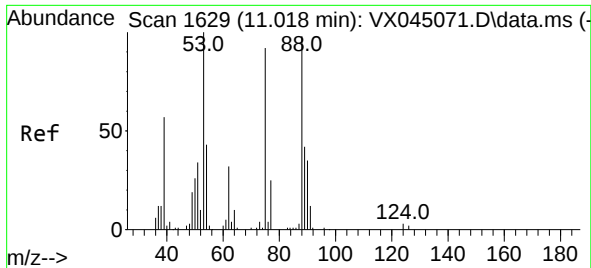
Tgt Ion:152 Resp: 52991
 Ion Ratio Lower Upper
 152 100
 115 63.9 44.2 132.6
 150 158.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.566 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

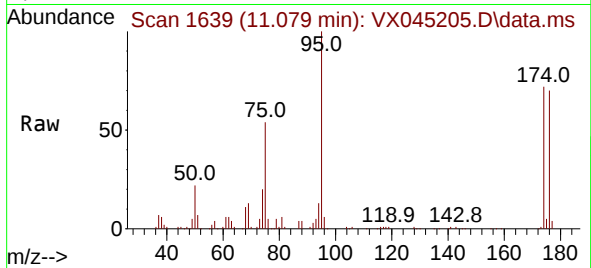
Tgt Ion: 75 Resp: 32766
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.915 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045205.D
 Acq: 10 Mar 2025 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20250307



Tgt Ion: 75 Resp: 32766
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.1 36.2 54.4#

