

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045418.D
 Acq On : 24 Mar 2025 16:27
 Operator : JC/MD
 Sample : Q1608-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20250318

Quant Time: Mar 25 01:36:39 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)

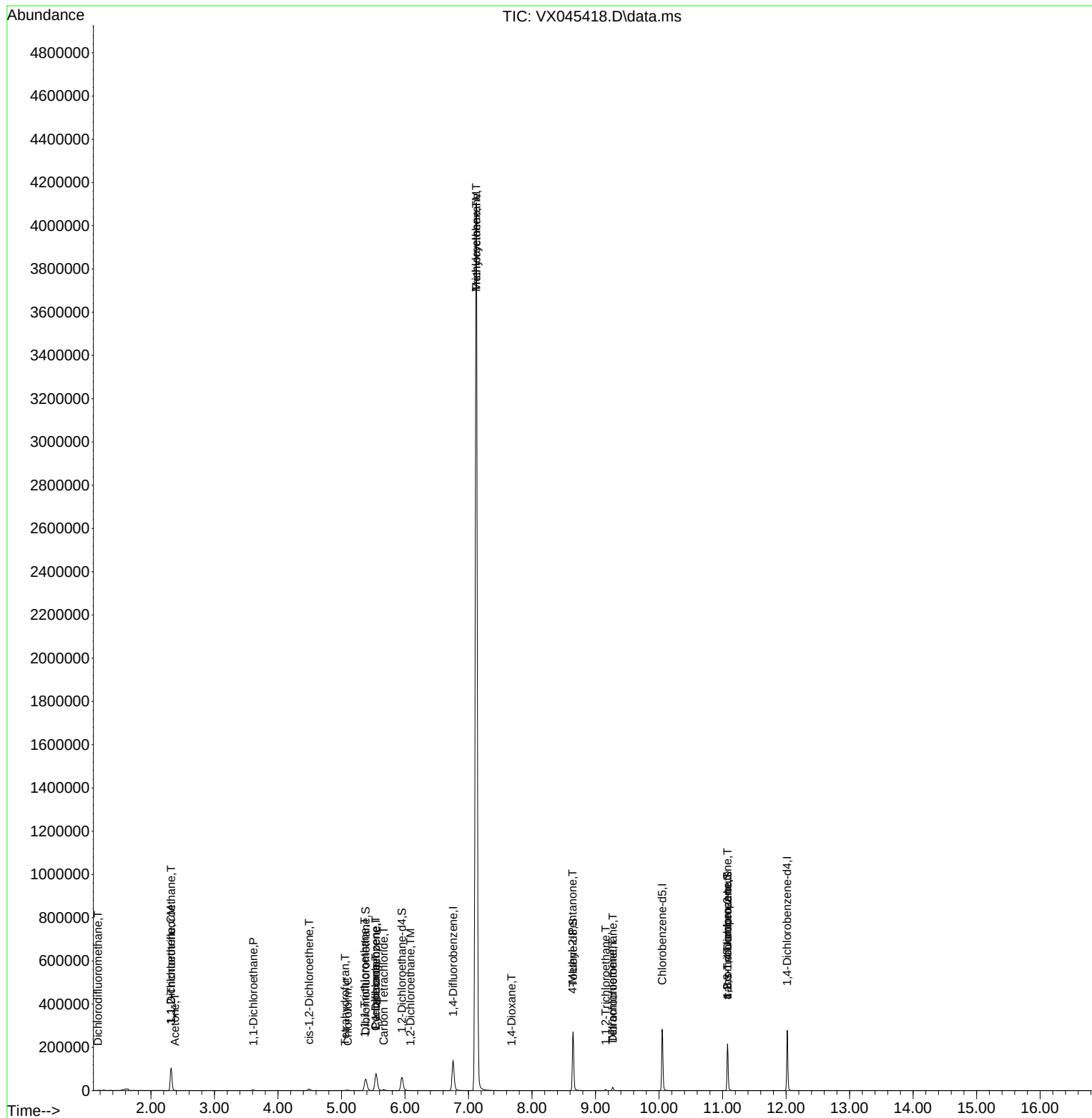
Internal Standards						
1) Pentafluorobenzene	5.544	168	67647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132501	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60377	56.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.220%	
35) Dibromofluoromethane	5.379	113	45830	51.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.460%	
50) Toluene-d8	8.647	98	154947	48.239	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	11.079	95	56705	53.275	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	665	0.781	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	32758	41.665	ug/l	97
12) 1,1-Dichloroethene	2.313	96	8981	10.804	ug/l	97
16) Acetone	2.380	43	778	1.558	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	3888	2.305	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	4239	4.182	ug/l	98
29) Tetrahydrofuran	5.056	42	452	0.896	ug/l #	51
30) Chloroform	5.099	83	3153	1.882	ug/l	88
31) Cyclohexane	5.538	56	1996	1.363	ug/l #	36
32) 1,1,1-Trichloroethane	5.367	97	373	0.276	ug/l #	22
36) 1,1-Dichloropropene	5.538	75	6539	5.382	ug/l #	49
38) Carbon Tetrachloride	5.666	117	2956	2.396	ug/l	94
39) Methylcyclohexane	7.123	83	20987	14.415	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	659	0.477	ug/l #	75
44) Trichloroethene	7.123	130	1468868	1630.385	ug/l	95
49) 1,4-Dioxane	7.677	88	375	15.306	ug/l #	56
51) 4-Methyl-2-Pentanone	8.641	43	818	0.526	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1273	1.374	ug/l #	94
60) Dibromochloromethane	9.275	129	2819	2.909	ug/l #	11
64) Tetrachloroethene	9.269	164	2527	3.306	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	32075	27.207	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32075	93.109	ug/l #	6

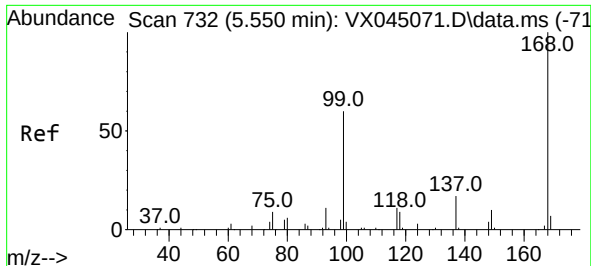
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

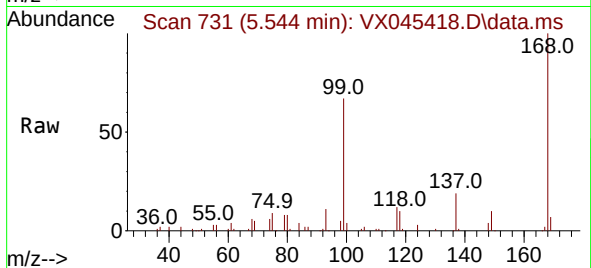
Quant Time: Mar 25 01:36:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
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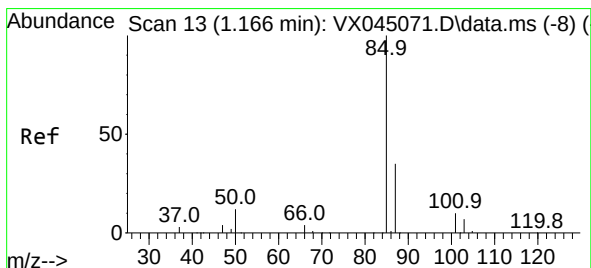
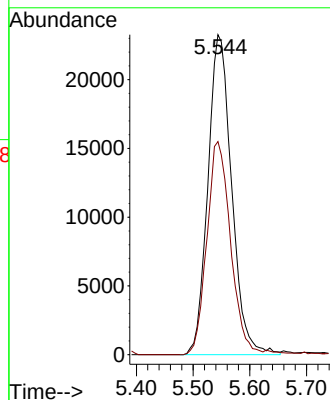
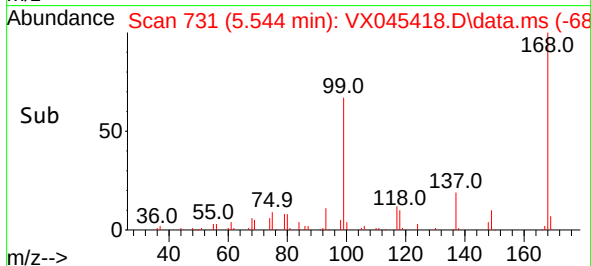


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

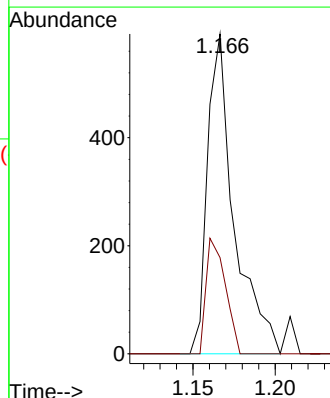
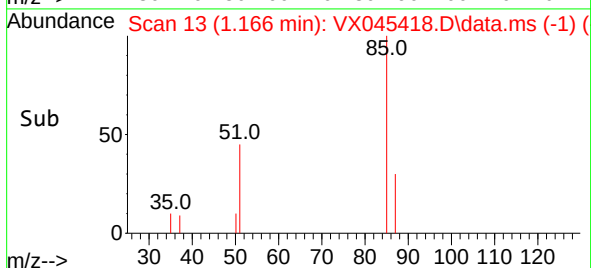
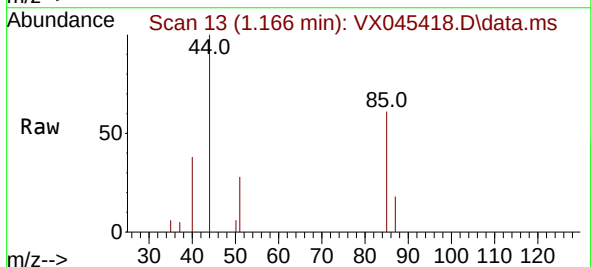


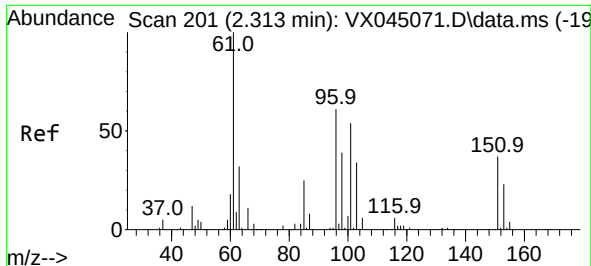
Tgt Ion:168 Resp: 67647
Ion Ratio Lower Upper
168 100
99 66.6 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.781 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 85 Resp: 665
Ion Ratio Lower Upper
85 100
87 30.1 17.4 52.3

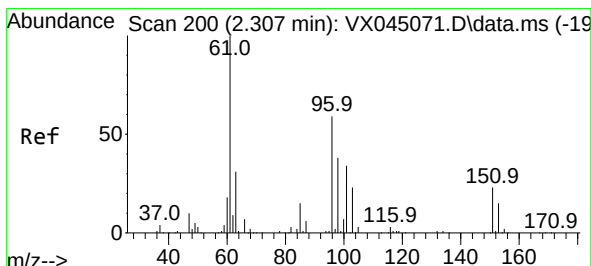
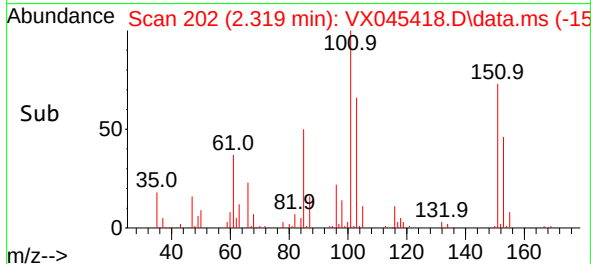
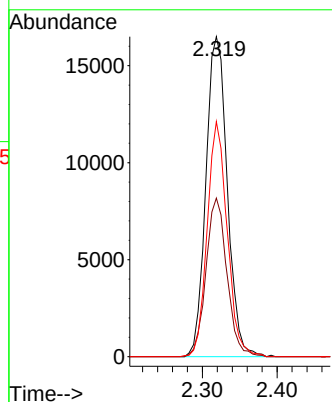
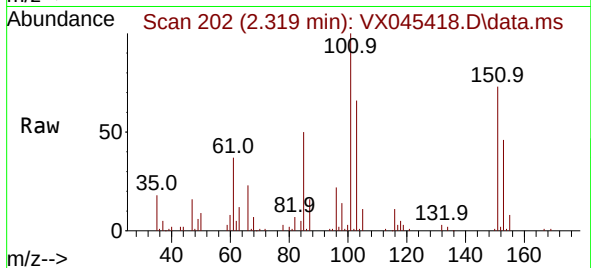




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 41.665 ug/l
 RT: 2.319 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045418.D
 Acq: 24 Mar 2025 16:27

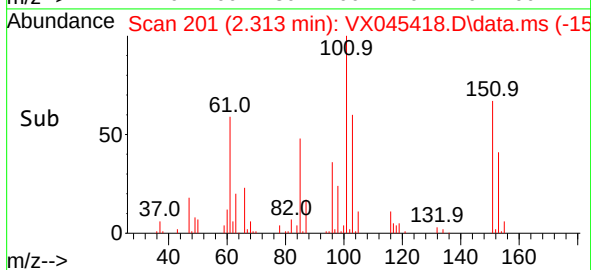
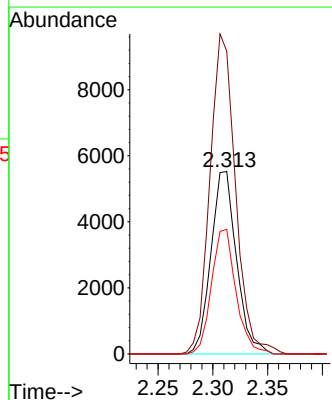
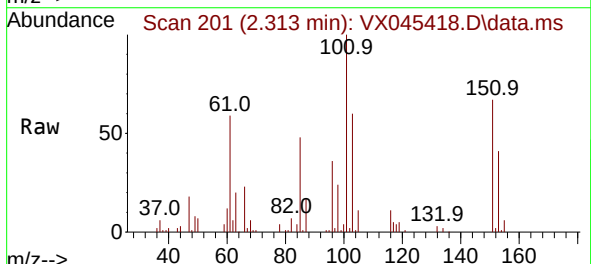
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20250318

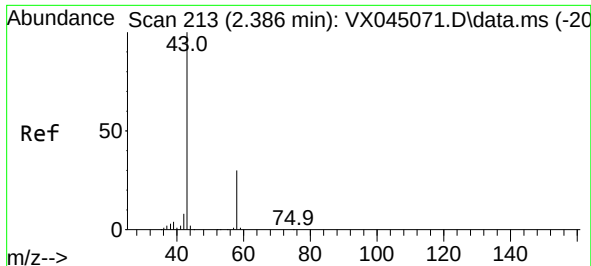
Tgt Ion:101 Resp: 32758
 Ion Ratio Lower Upper
 101 100
 85 48.5 36.2 54.4
 151 68.8 56.4 84.6



#12
 1,1-Dichloroethene
 Concen: 10.804 ug/l
 RT: 2.313 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045418.D
 Acq: 24 Mar 2025 16:27

Tgt Ion: 96 Resp: 8981
 Ion Ratio Lower Upper
 96 100
 61 166.0 134.6 202.0
 98 68.3 51.0 76.6





#16

Acetone

Concen: 1.558 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

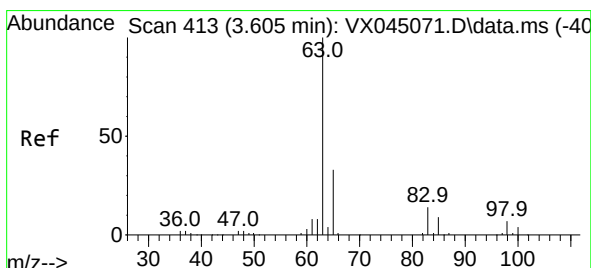
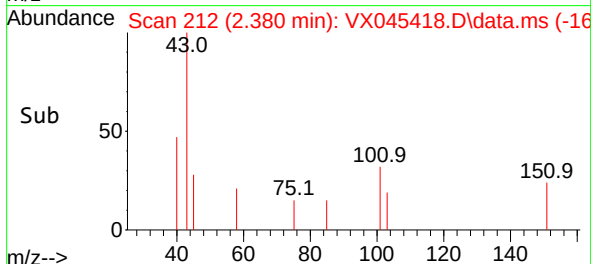
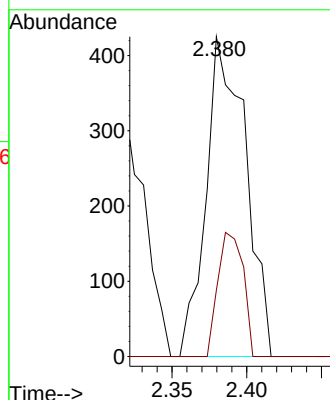
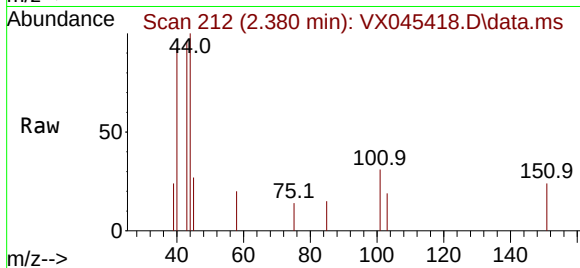
RE132D6-20250318

Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

58 20.7 24.2 36.4#



#24

1,1-Dichloroethane

Concen: 2.305 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

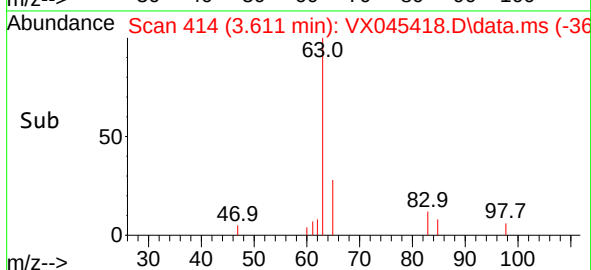
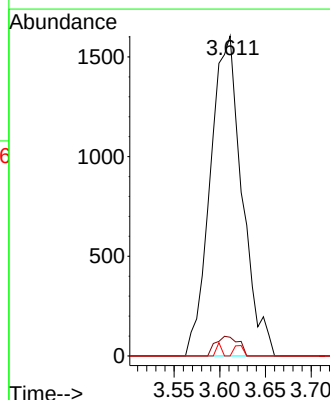
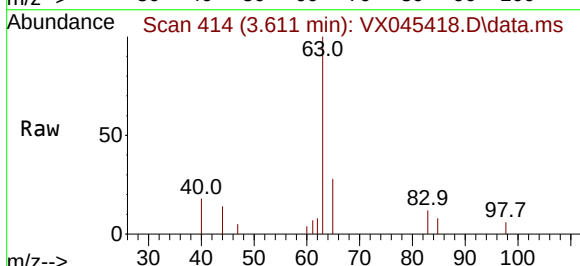
Tgt Ion: 63 Resp: 3888

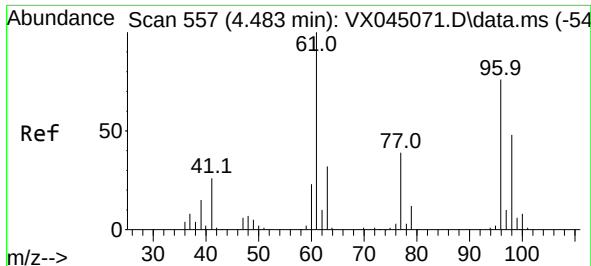
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 4.182 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250318

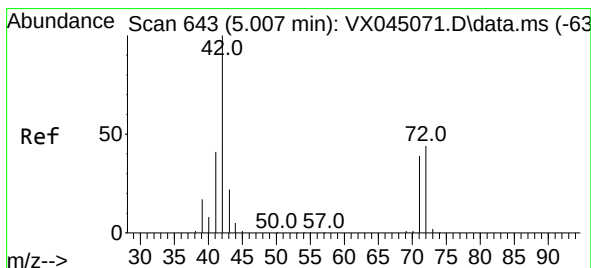
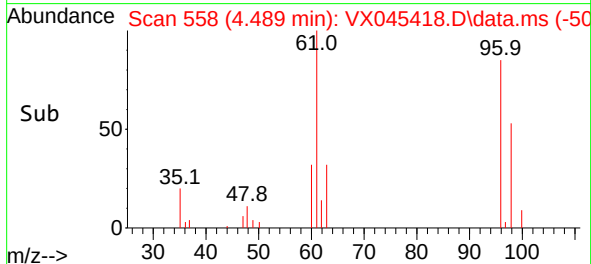
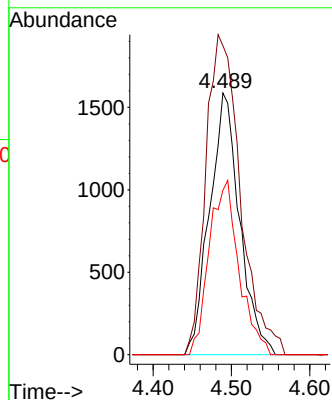
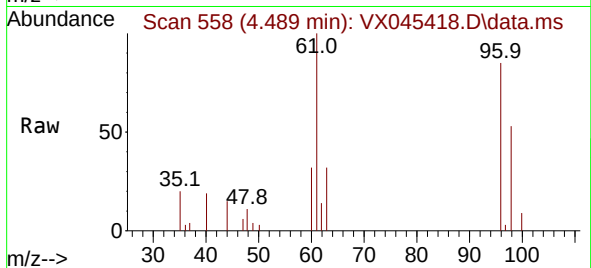
Tgt Ion: 96 Resp: 4239

Ion Ratio Lower Upper

96 100

61 140.2 0.0 283.2

98 66.1 0.0 128.0



#29

Tetrahydrofuran

Concen: 0.896 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.049 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

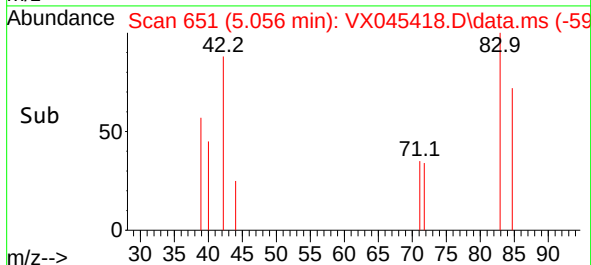
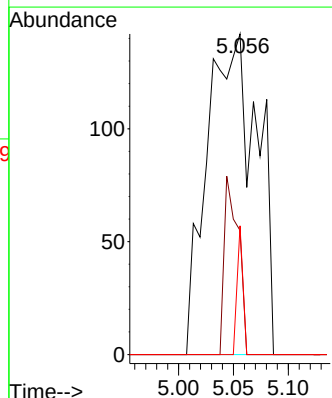
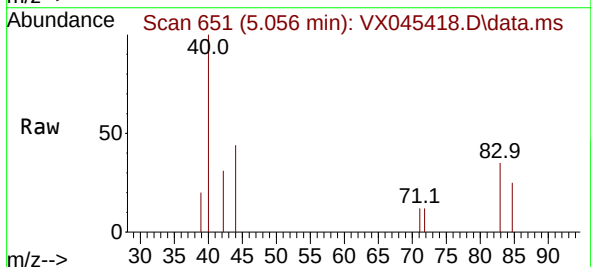
Tgt Ion: 42 Resp: 452

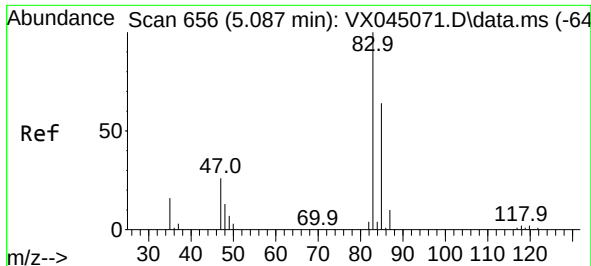
Ion Ratio Lower Upper

42 100

72 15.7 34.1 51.1#

71 4.6 31.4 47.0#

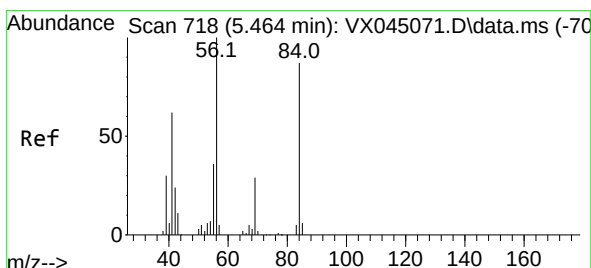
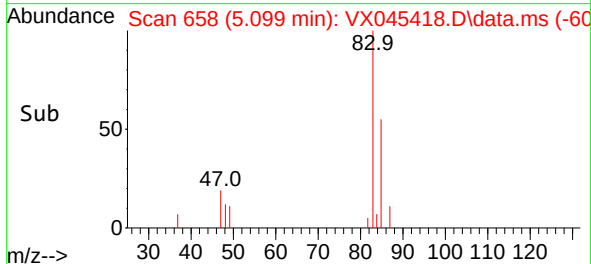
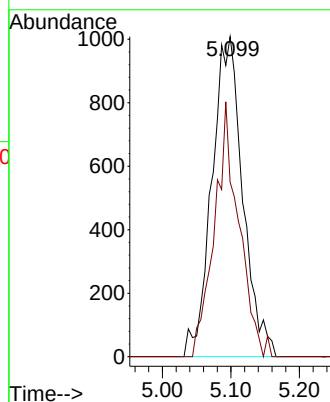
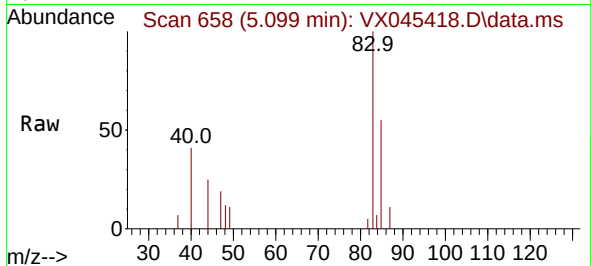




#30
Chloroform
Concen: 1.882 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

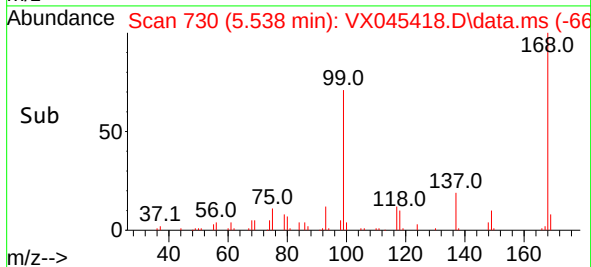
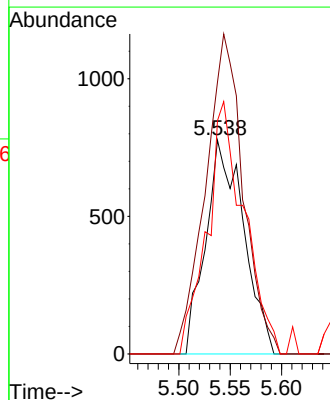
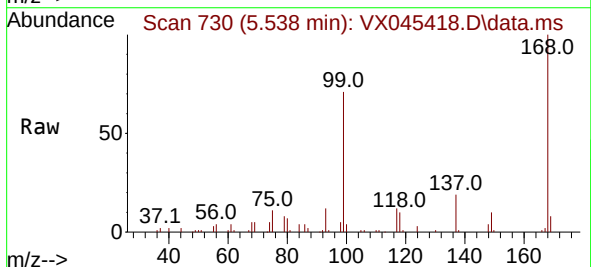
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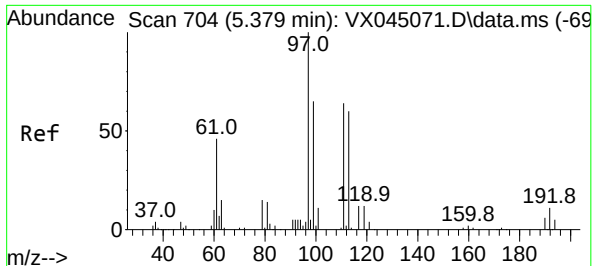
Tgt Ion: 83 Resp: 3153
Ion Ratio Lower Upper
83 100
85 54.6 51.4 77.2



#31
Cyclohexane
Concen: 1.363 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 56 Resp: 1996
Ion Ratio Lower Upper
56 100
69 127.2 23.4 35.2#
84 109.1 69.4 104.2#

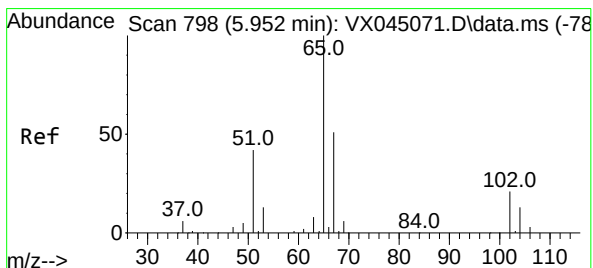
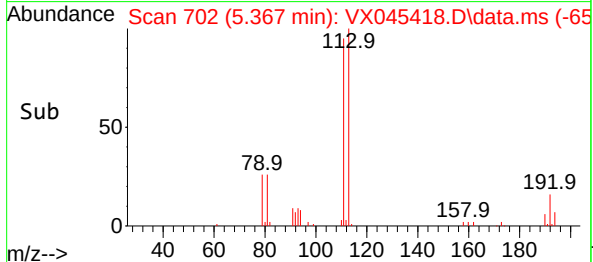
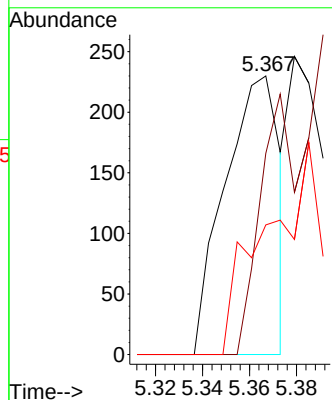
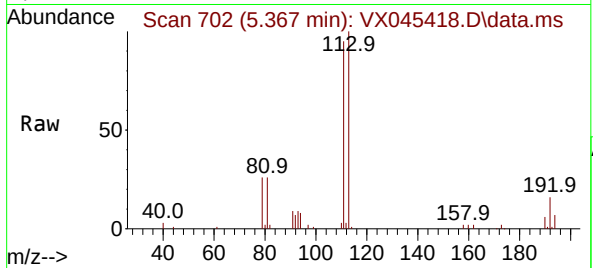




#32
 1,1,1-Trichloroethane
 Concen: 0.276 ug/l
 RT: 5.367 min Scan# 704
 Delta R.T. -0.012 min
 Lab File: VX045418.D
 Acq: 24 Mar 2025 16:27

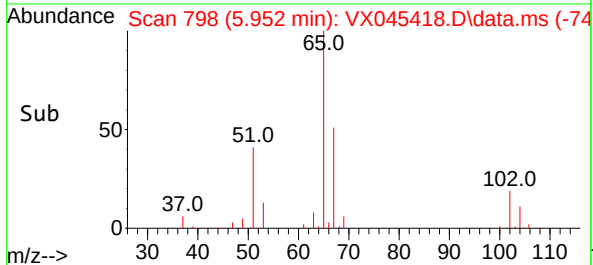
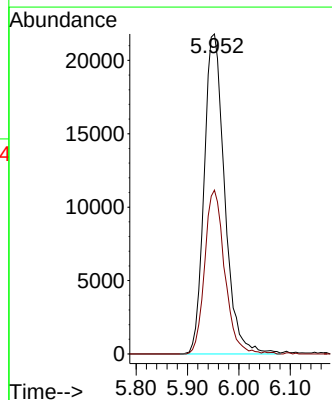
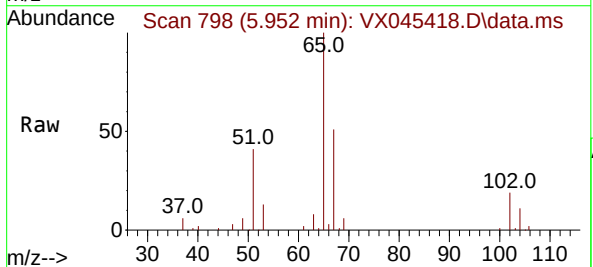
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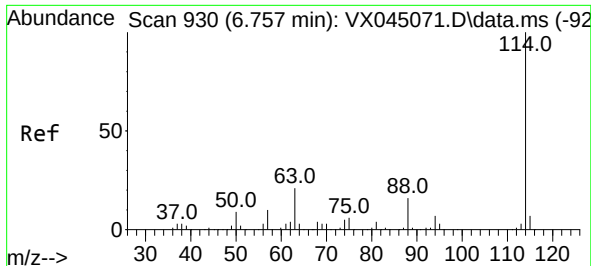
Tgt Ion: 97 Resp: 373
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 97.1 38.4 57.6#



#33
 1,2-Dichloroethane-d4
 Concen: 56.111 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045418.D
 Acq: 24 Mar 2025 16:27

Tgt Ion: 65 Resp: 60377
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 106.2

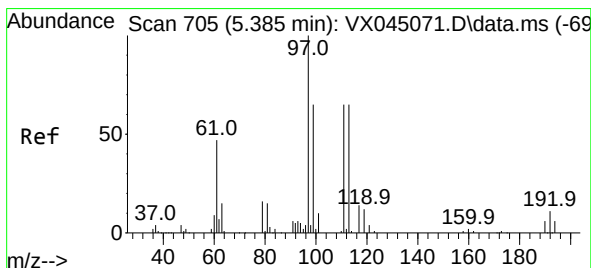
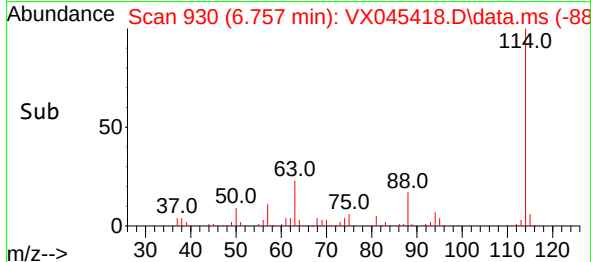
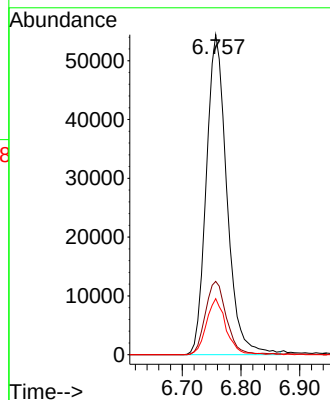
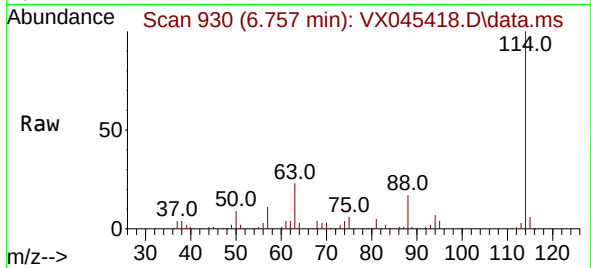




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

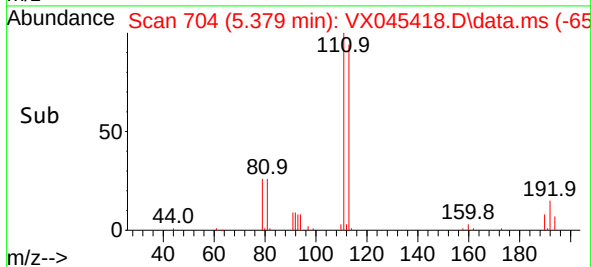
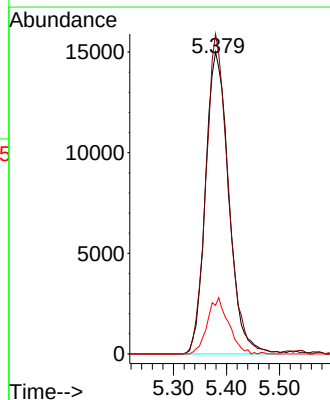
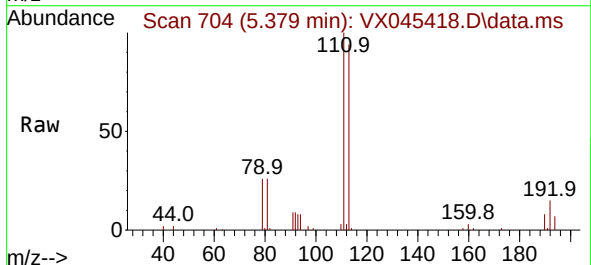
Instrument :
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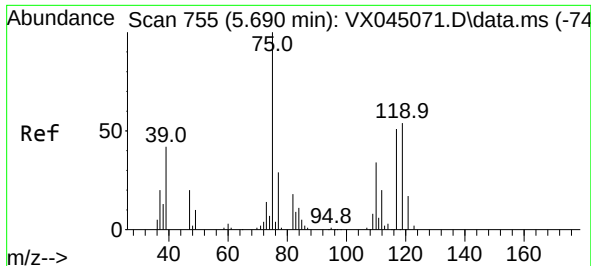
Tgt Ion:114 Resp: 132501
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 17.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.727 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:113 Resp: 45830
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 17.0 14.3 21.5

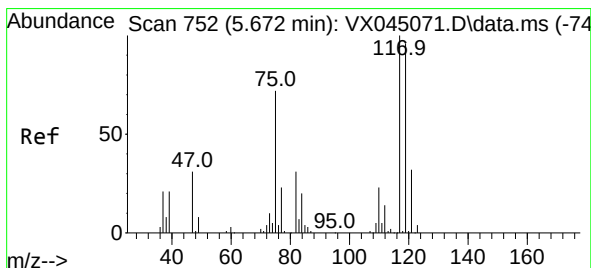
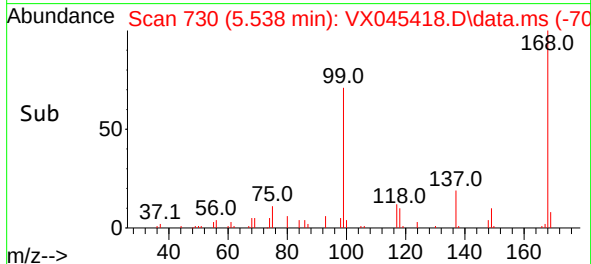
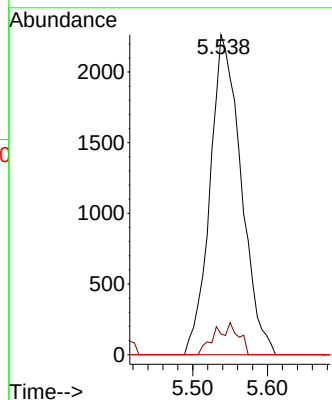
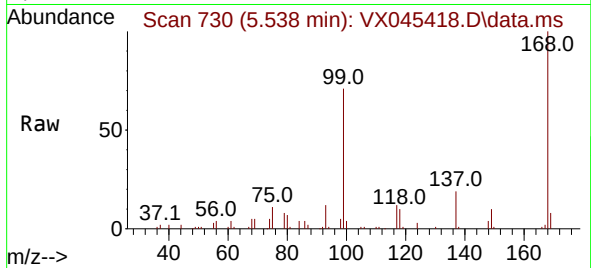




#36
1,1-Dichloropropene
Concen: 5.382 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

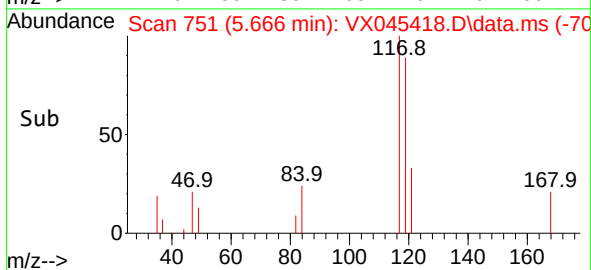
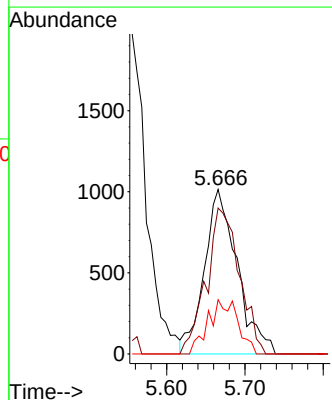
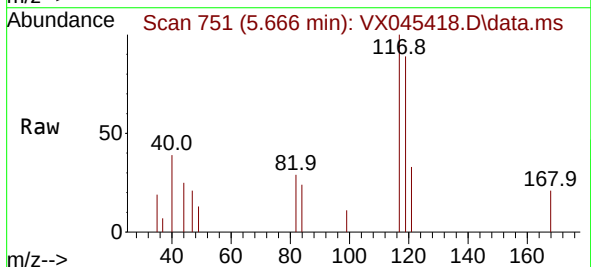
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

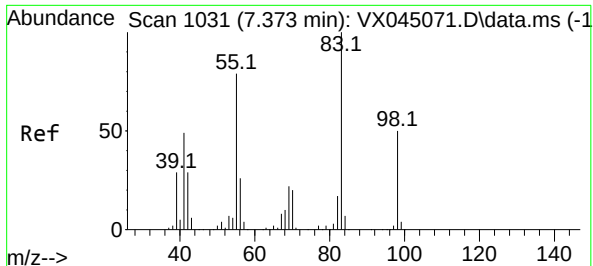
Tgt Ion: 75 Resp: 6539
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 2.396 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 117 Resp: 2956
Ion Ratio Lower Upper
117 100
119 88.8 76.7 115.1
121 33.0 25.5 38.3





#39

Methylcyclohexane

Concen: 14.415 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250318

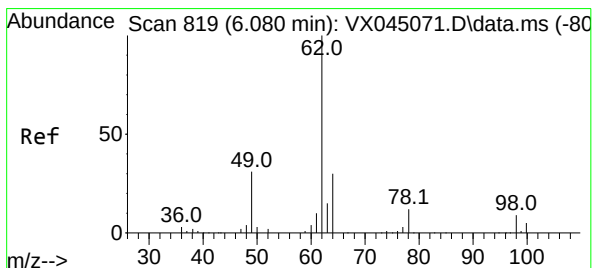
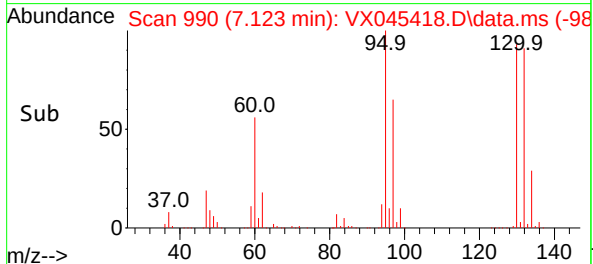
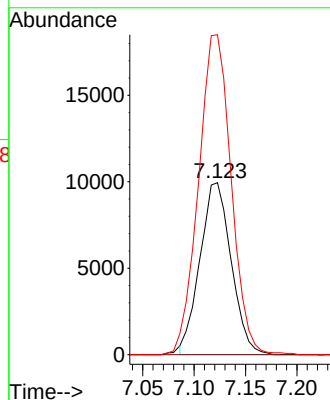
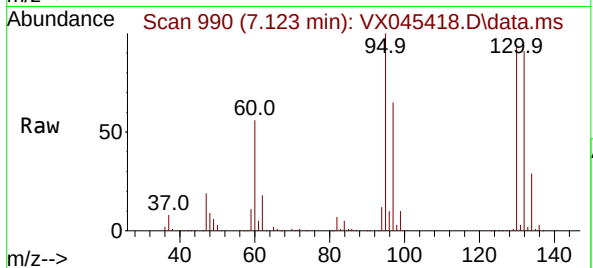
Tgt Ion: 83 Resp: 20987

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 184.9 39.7 59.5#



#42

1,2-Dichloroethane

Concen: 0.477 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045418.D

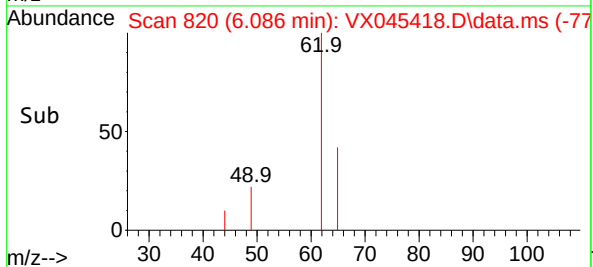
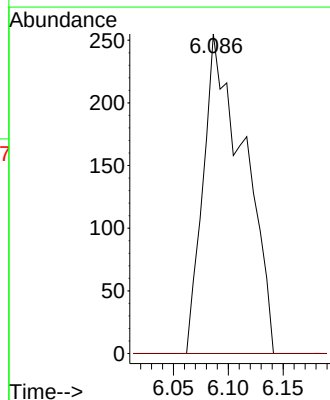
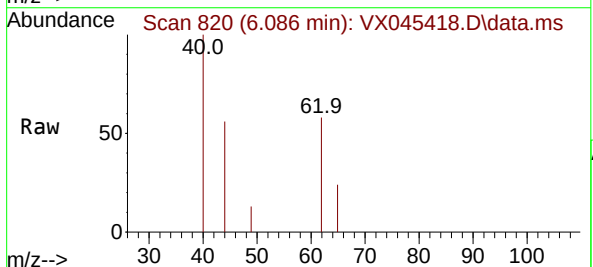
Acq: 24 Mar 2025 16:27

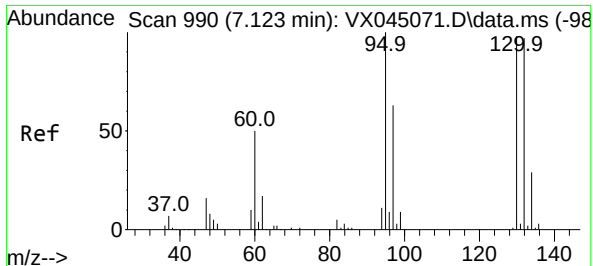
Tgt Ion: 62 Resp: 659

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

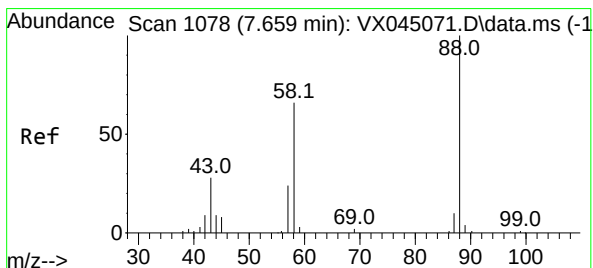
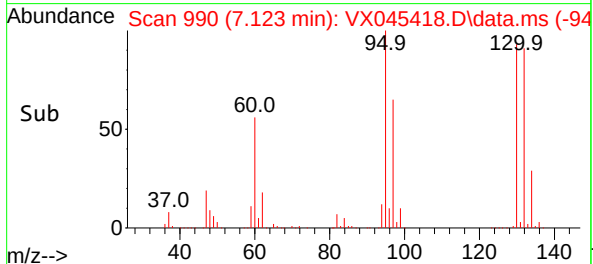
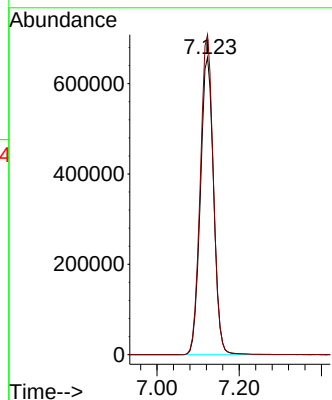
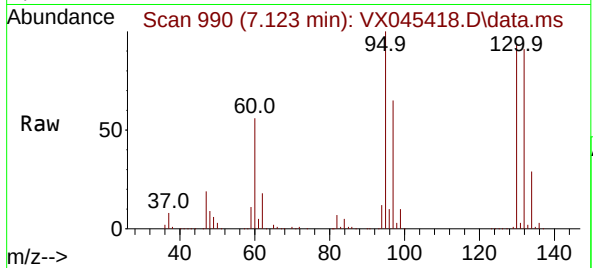




#44
Trichloroethene
Concen: 1630.385 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

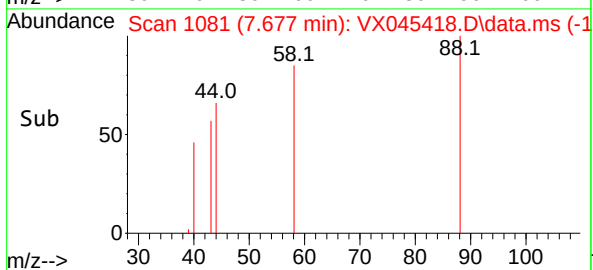
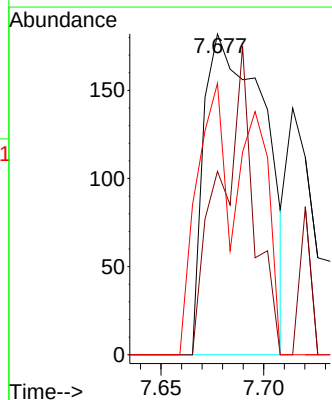
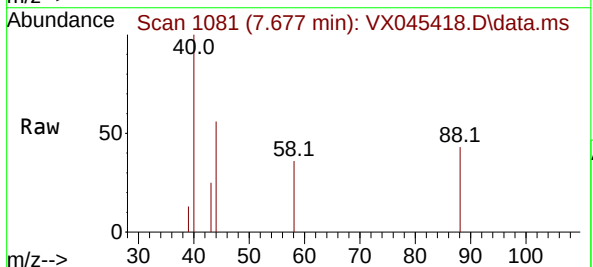
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

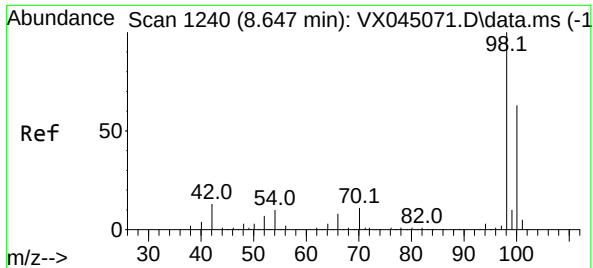
Tgt Ion:130 Resp: 1468868
Ion Ratio Lower Upper
130 100
95 107.6 0.0 205.0



#49
1,4-Dioxane
Concen: 15.306 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 88 Resp: 375
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 41.3 55.8 83.8#

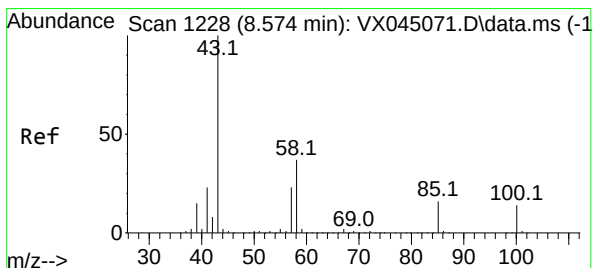
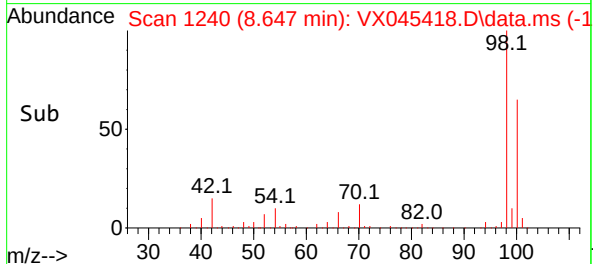
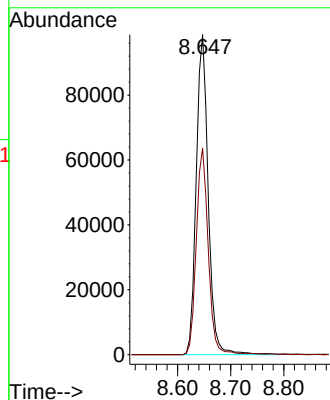
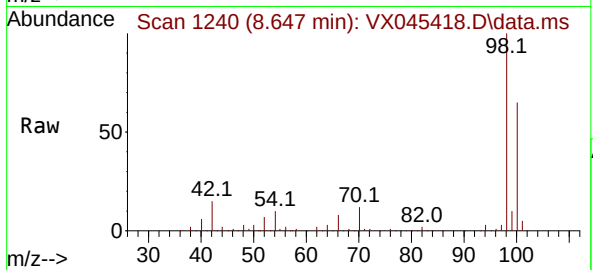




#50
Toluene-d8
Concen: 48.239 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

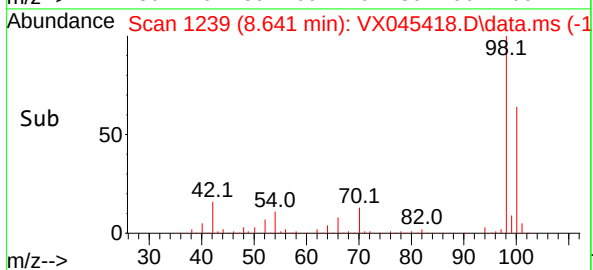
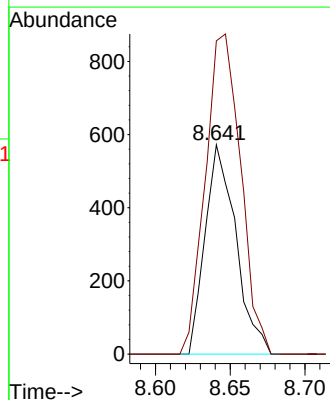
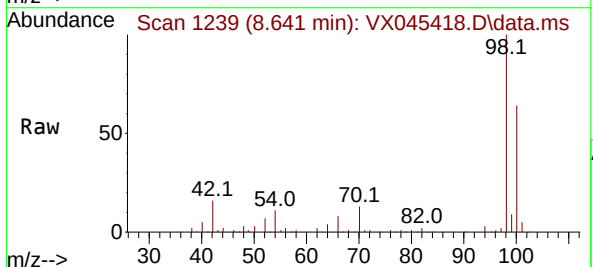
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

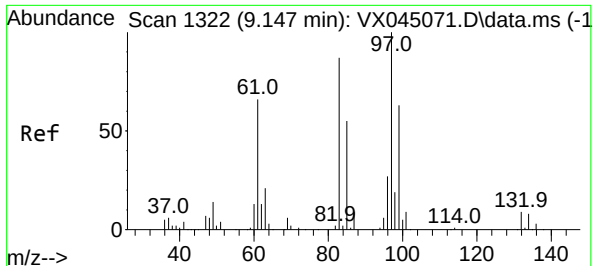
Tgt Ion: 98 Resp: 154947
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.526 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 175.8 29.2 43.8#





#55

1,1,2-Trichloroethane

Concen: 1.374 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX045418.D

Acq: 24 Mar 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250318

Tgt Ion: 97 Resp: 1273

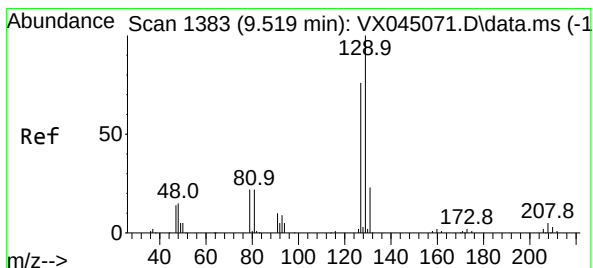
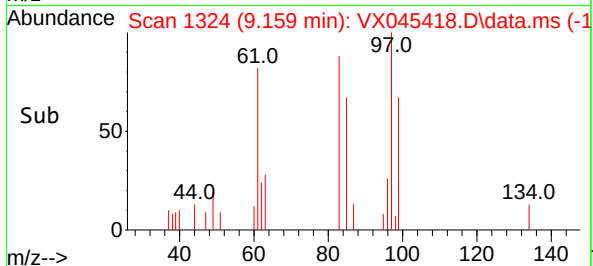
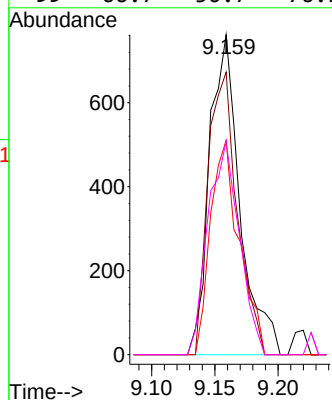
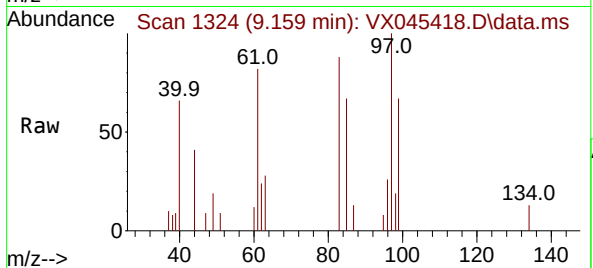
Ion Ratio Lower Upper

97 100

83 88.3 69.4 104.2

85 66.9 44.1 66.1#

99 66.7 50.7 76.1



#60

Dibromochloromethane

Concen: 2.909 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX045418.D

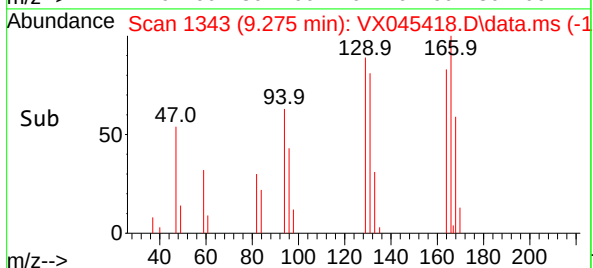
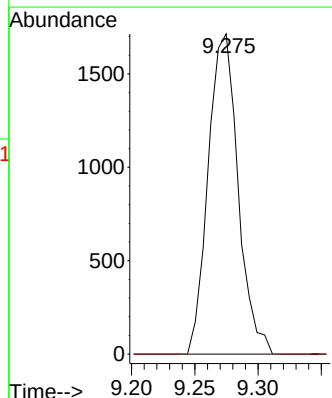
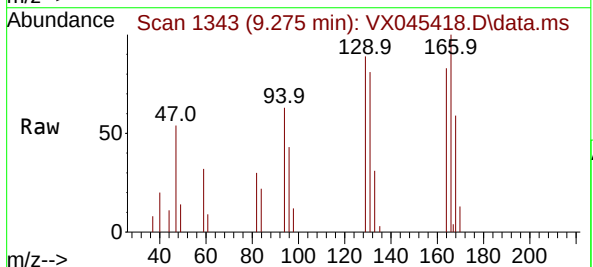
Acq: 24 Mar 2025 16:27

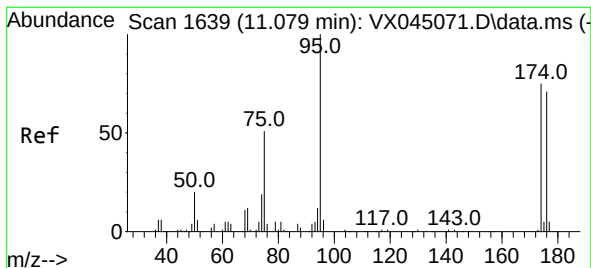
Tgt Ion:129 Resp: 2819

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

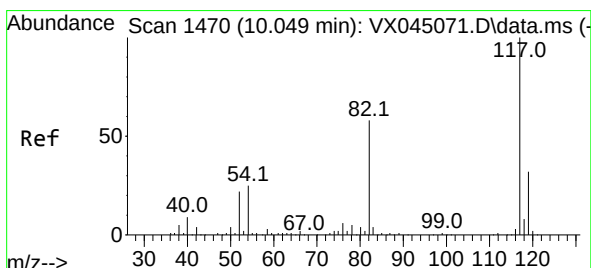
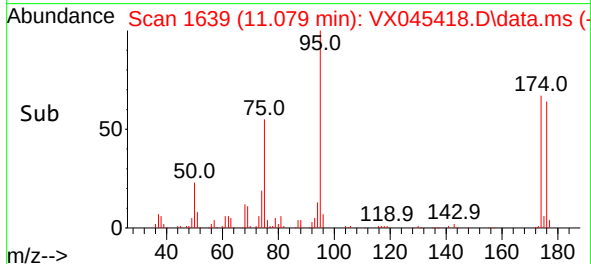
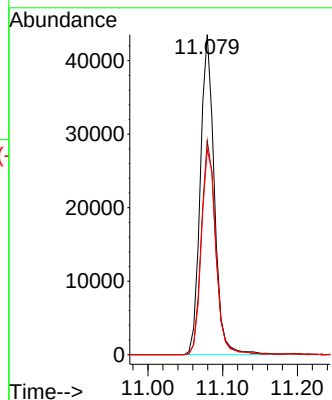
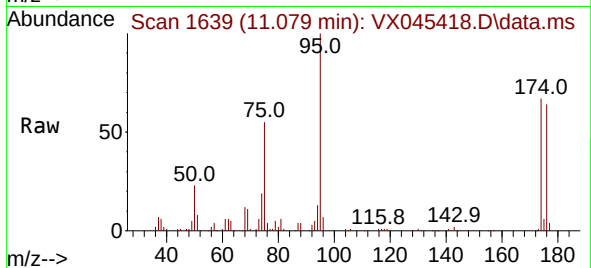




#62
4-Bromofluorobenzene
Concen: 53.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

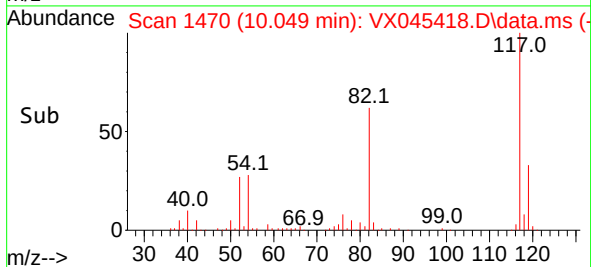
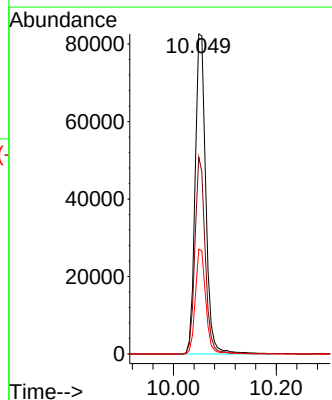
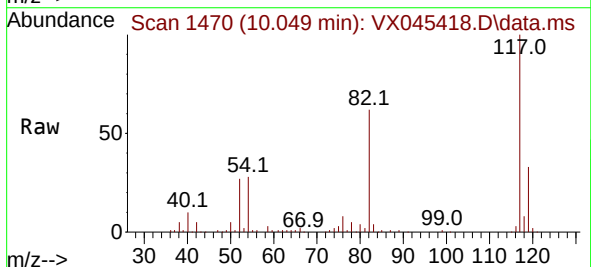
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

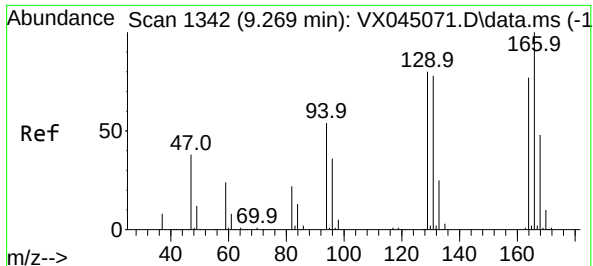
Tgt Ion: 95 Resp: 56705
Ion Ratio Lower Upper
95 100
174 68.8 0.0 148.2
176 66.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 117 Resp: 119350
Ion Ratio Lower Upper
117 100
82 61.5 46.3 69.5
119 32.7 25.7 38.5



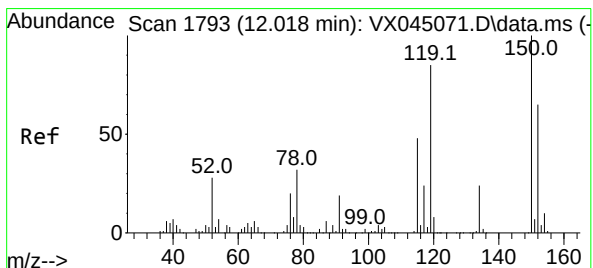
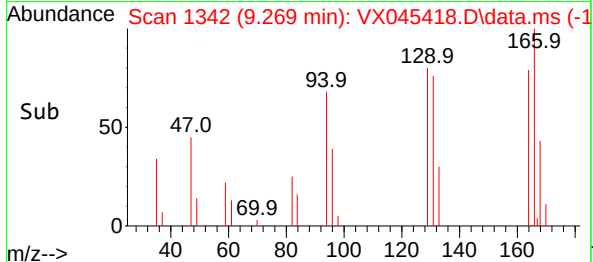
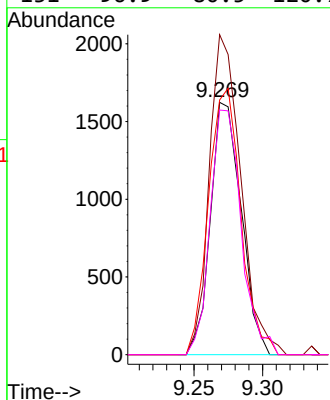
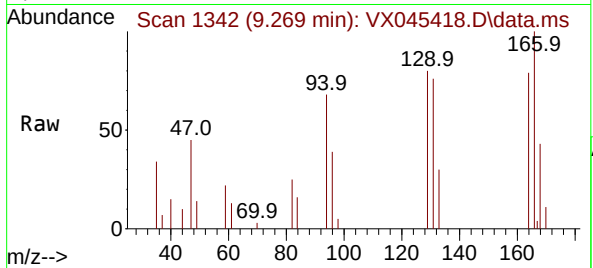


#64
Tetrachloroethene
Concen: 3.306 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:164 Resp: 2527

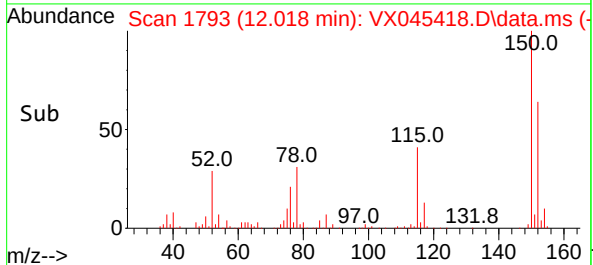
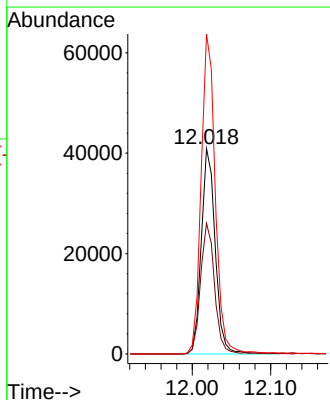
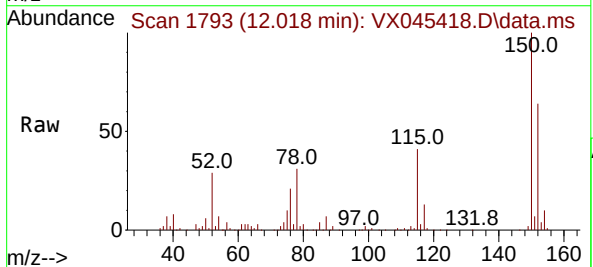
Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.6	155.4
129	100.9	82.7	124.1
131	96.9	80.5	120.7

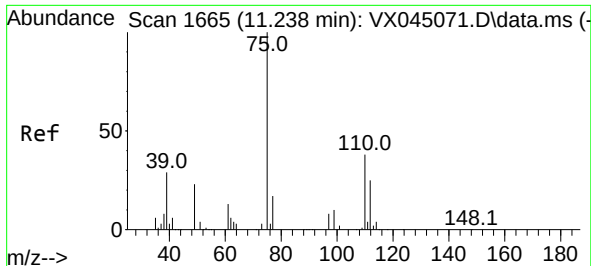


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:152 Resp: 50651

Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.2	132.6
150	158.0	0.0	349.0

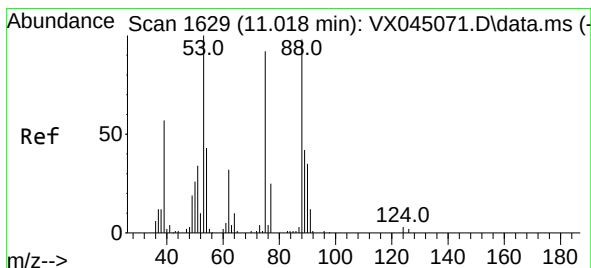
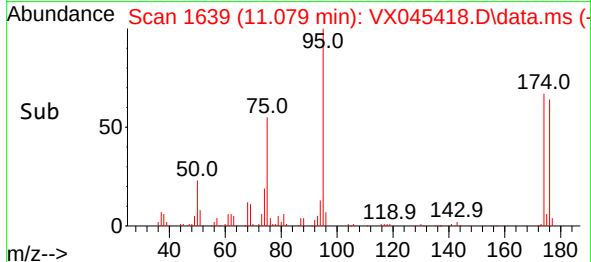
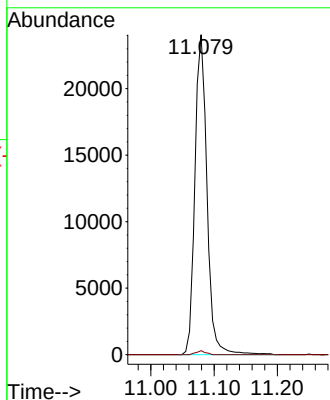
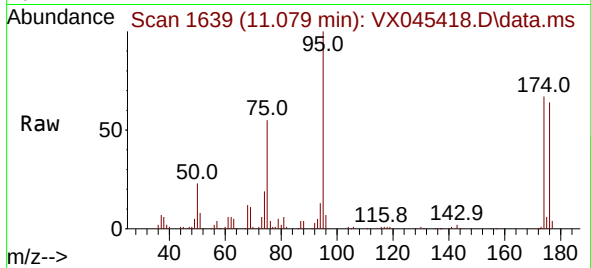




#76
1,2,3-Trichloropropane
Concen: 27.207 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion: 75 Resp: 32075
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.109 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 75 Resp: 32075
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

