

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045417.D
 Acq On : 24 Mar 2025 16:04
 Operator : JC/MD
 Sample : Q1608-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20250318

Quant Time: Mar 25 01:36:11 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)

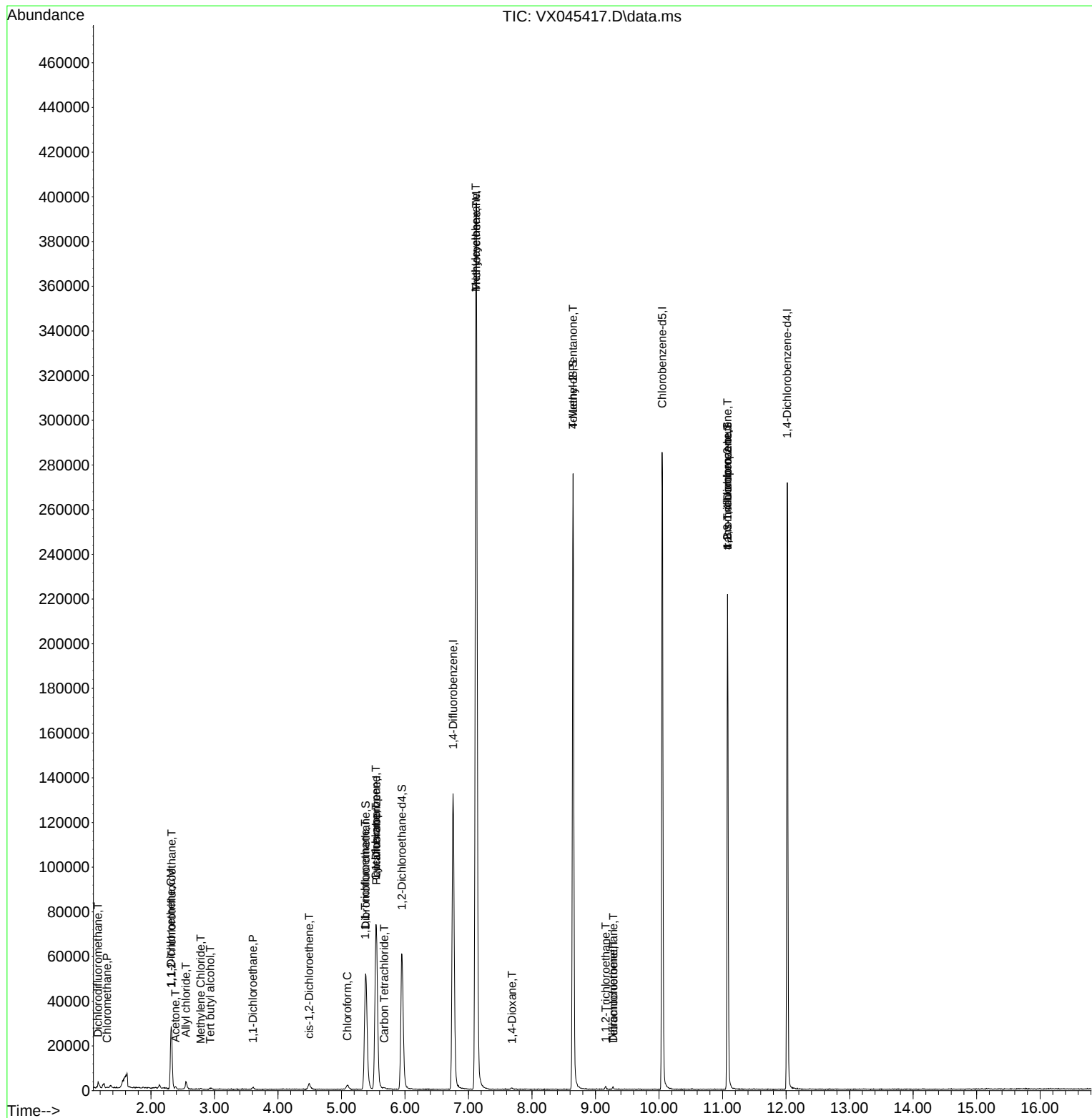
Internal Standards						
1) Pentafluorobenzene	5.550	168	64789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128718	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59465	57.701	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.400%	
35) Dibromofluoromethane	5.379	113	45081	52.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.760%	
50) Toluene-d8	8.647	98	158514	50.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	11.079	95	56895	55.025	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1390	1.704	ug/l	96
3) Chloromethane	1.306	50	253	0.253	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	9369	12.442	ug/l	100
11) Tert butyl alcohol	2.934	59	213	1.091	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	2260	2.839	ug/l #	92
14) Allyl chloride	2.550	41	377	0.266	ug/l #	1
16) Acetone	2.386	43	884	1.849	ug/l	99
20) Methylene Chloride	2.782	84	246	0.260	ug/l #	45
24) 1,1-Dichloroethane	3.605	63	1209	0.749	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1624	1.673	ug/l	100
30) Chloroform	5.092	83	2290	1.427	ug/l #	78
31) Cyclohexane	5.544	56	2018	1.439	ug/l #	41
32) 1,1,1-Trichloroethane	5.373	97	268	0.207	ug/l #	23
36) 1,1-Dichloropropene	5.544	75	6523	5.526	ug/l #	50
38) Carbon Tetrachloride	5.672	117	509	0.425	ug/l #	64
39) Methylcyclohexane	7.116	83	2071	1.464	ug/l #	1
44) Trichloroethene	7.123	130	144011	164.544	ug/l	98
49) 1,4-Dioxane	7.683	88	504	21.175	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	831	0.550	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	372	0.413	ug/l #	90
60) Dibromochloromethane	9.281	129	215	0.228	ug/l #	11
64) Tetrachloroethene	9.281	164	247	0.321	ug/l #	60
76) 1,2,3-Trichloropropane	11.079	75	32091	27.372	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32091	93.671	ug/l #	6

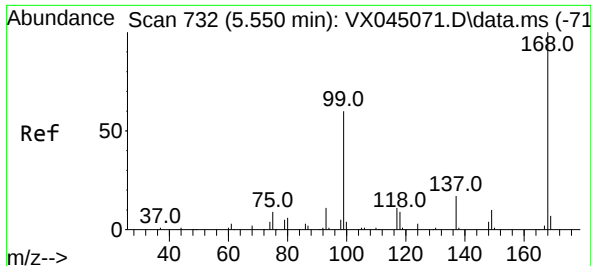
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045417.D
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

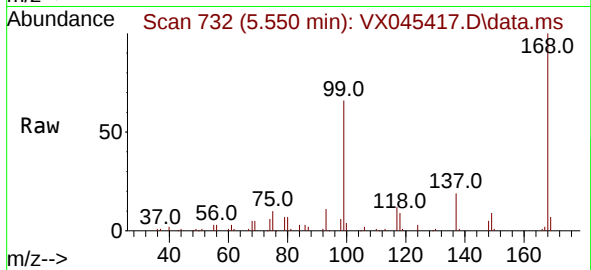
Quant Time: Mar 25 01:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



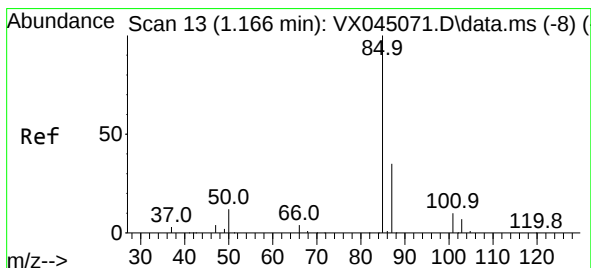
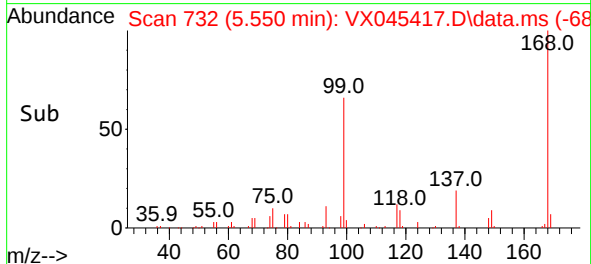
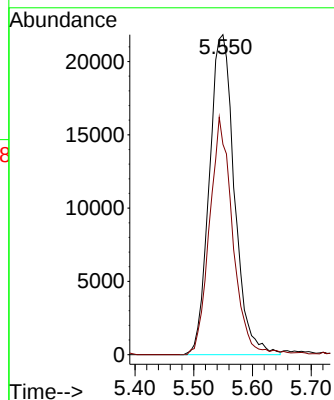


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

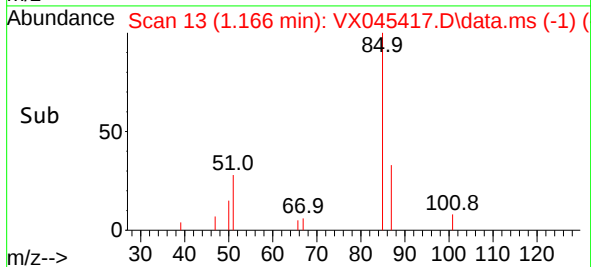
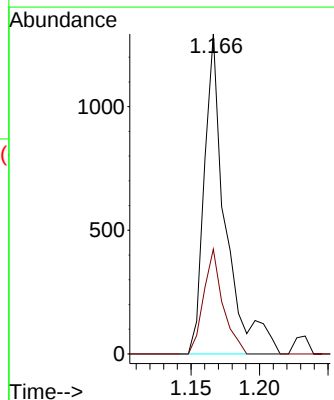
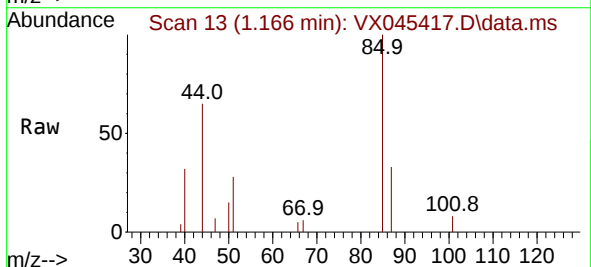


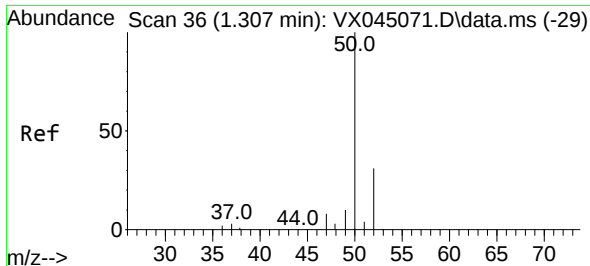
Tgt Ion:168 Resp: 64789
Ion Ratio Lower Upper
168 100
99 65.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.704 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 85 Resp: 1390
Ion Ratio Lower Upper
85 100
87 32.8 17.4 52.3

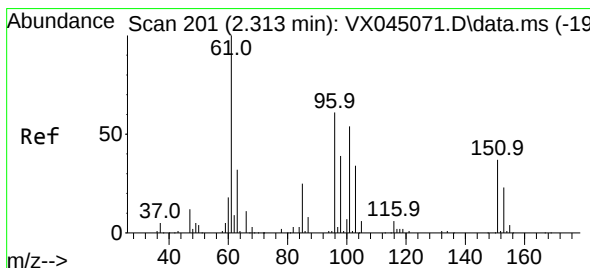
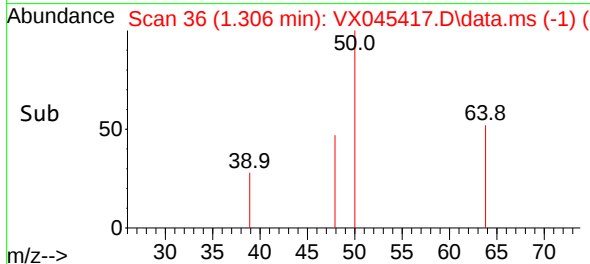
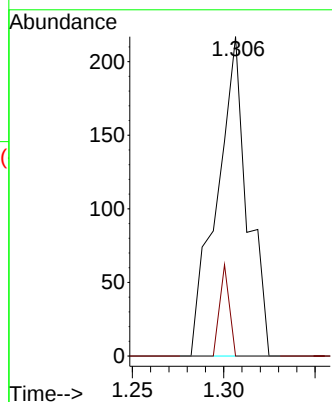
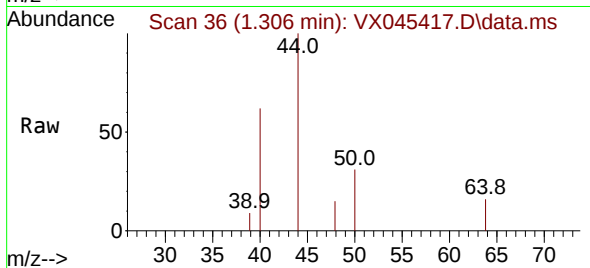




#3
Chloromethane
Concen: 0.253 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

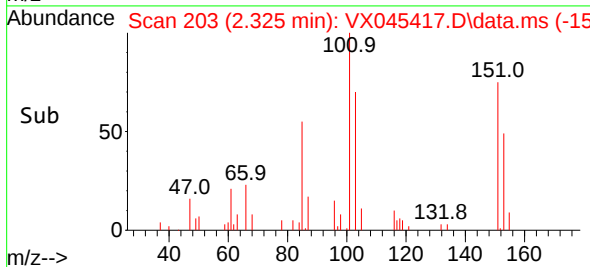
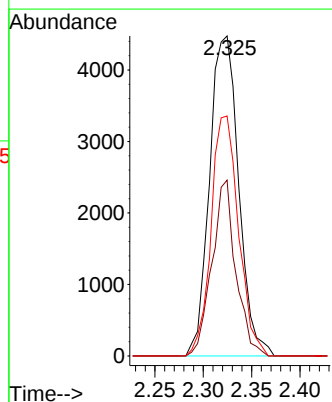
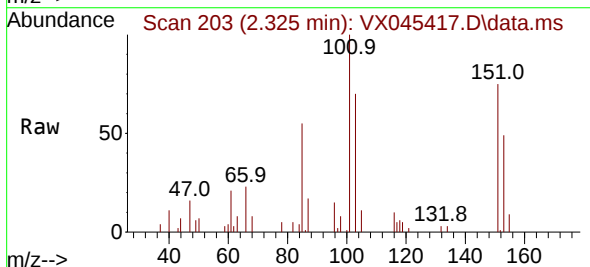
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

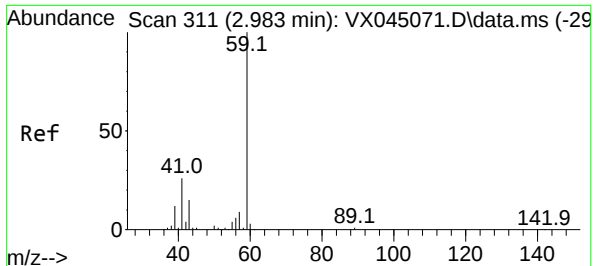
Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.442 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 101 Resp: 9369
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.4
151 70.7 56.4 84.6





#11

Tert butyl alcohol

Concen: 1.091 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX045417.D

Acq: 24 Mar 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

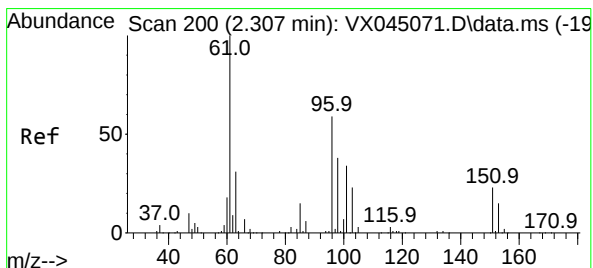
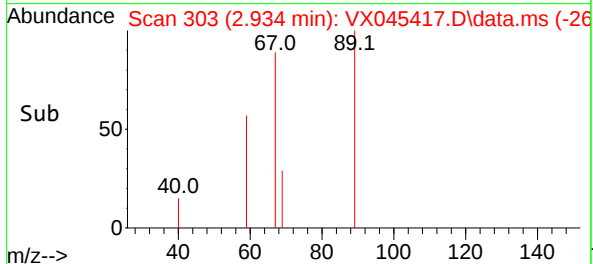
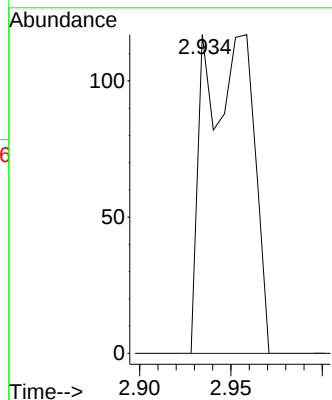
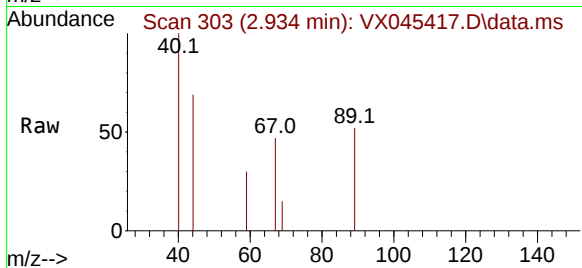
RE132D5-20250318

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 2.839 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045417.D

Acq: 24 Mar 2025 16:04

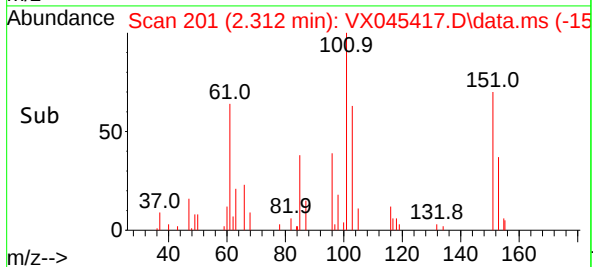
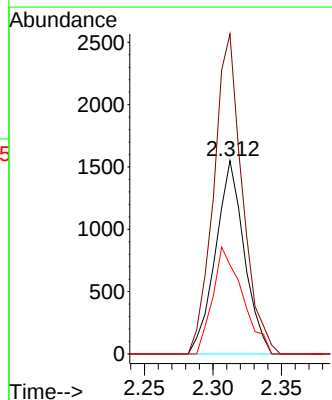
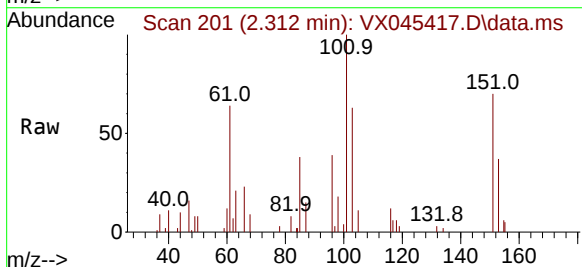
Tgt Ion: 96 Resp: 2260

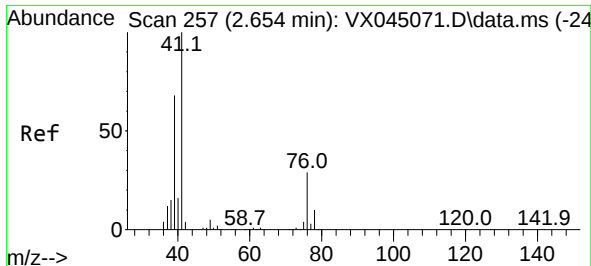
Ion Ratio Lower Upper

96 100

61 165.6 134.6 202.0

98 46.1 51.0 76.6#

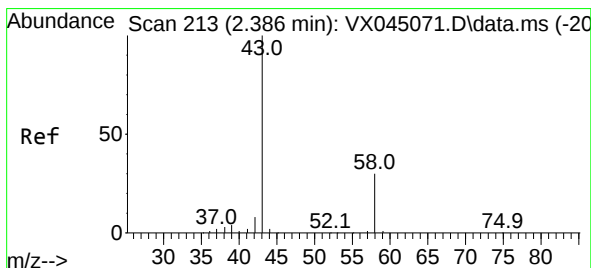
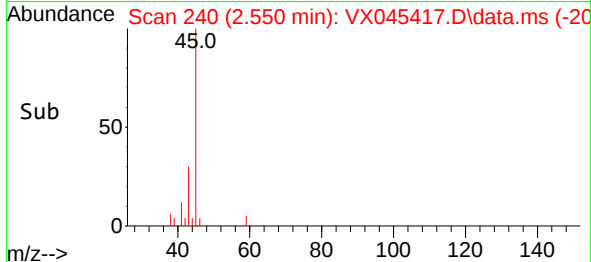
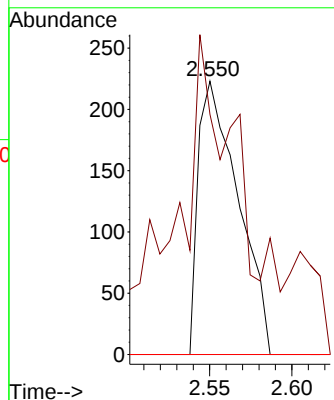
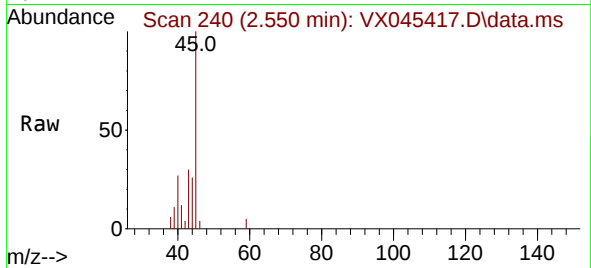




#14
 Allyl chloride
 Concen: 0.266 ug/l
 RT: 2.550 min Scan# 24
 Delta R.T. -0.104 min
 Lab File: VX045417.D
 Acq: 24 Mar 2025 16:04

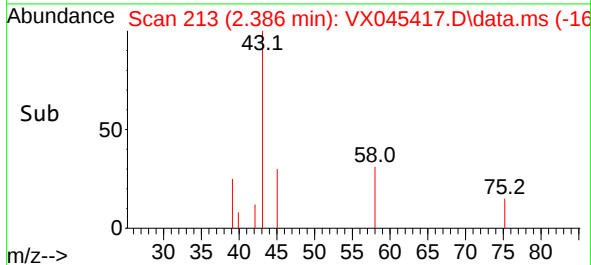
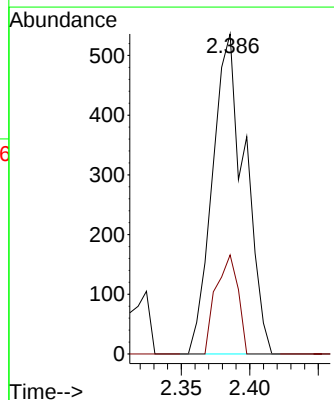
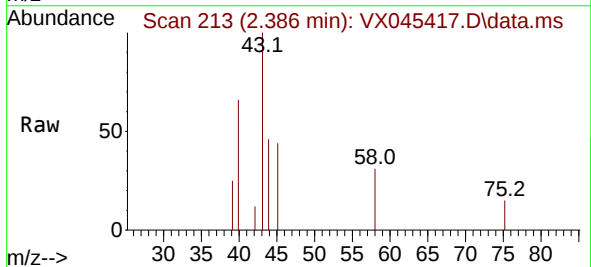
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20250318

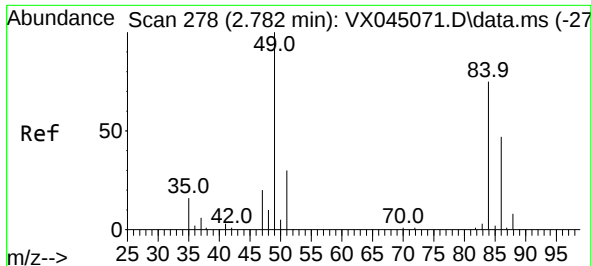
Tgt Ion: 41 Resp: 377
 Ion Ratio Lower Upper
 41 100
 39 167.6 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 1.849 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045417.D
 Acq: 24 Mar 2025 16:04

Tgt Ion: 43 Resp: 884
 Ion Ratio Lower Upper
 43 100
 58 31.0 24.2 36.4





#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045417.D

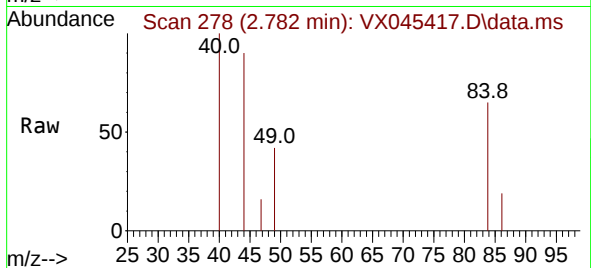
Acq: 24 Mar 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20250318



Tgt Ion: 84 Resp: 246

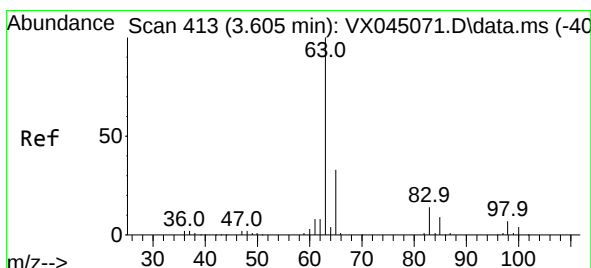
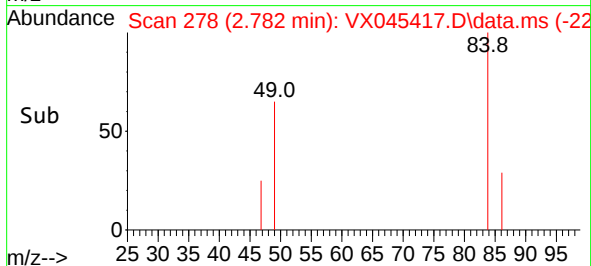
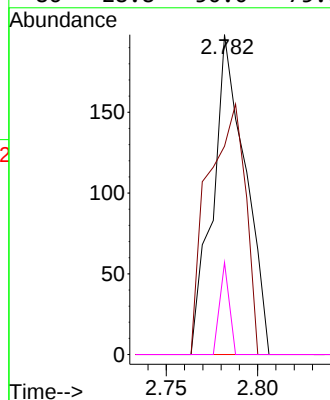
Ion Ratio Lower Upper

84 100

49 65.2 106.5 159.7#

51 0.0 32.1 48.1#

86 28.8 50.0 75.0#



#24

1,1-Dichloroethane

Concen: 0.749 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX045417.D

Acq: 24 Mar 2025 16:04

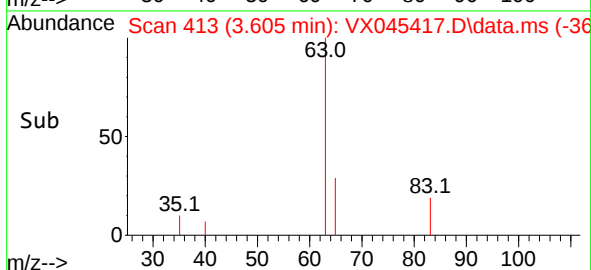
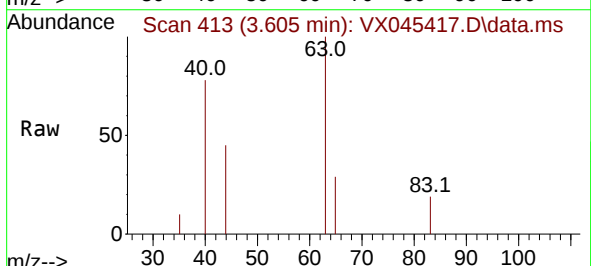
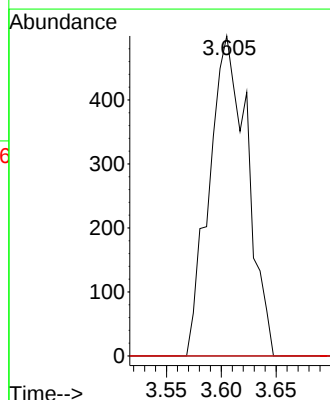
Tgt Ion: 63 Resp: 1209

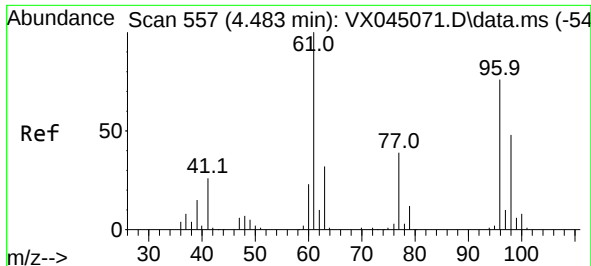
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.1 6.5#

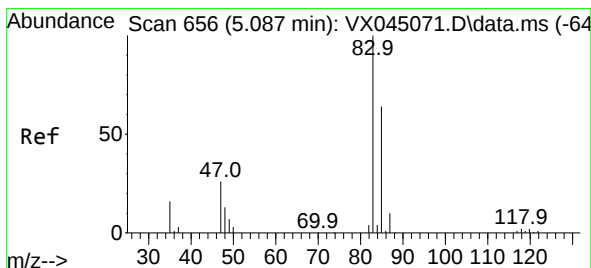
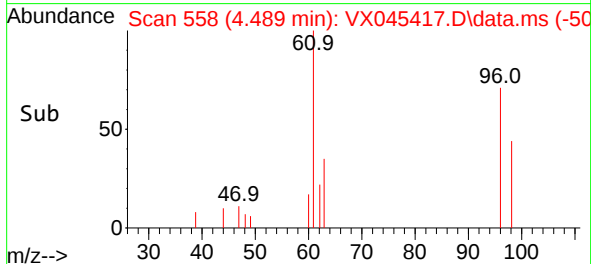
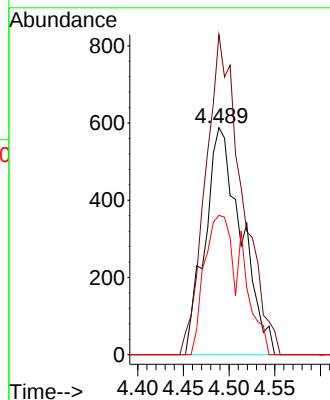
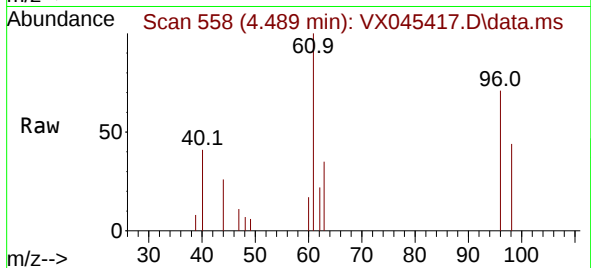




#27
cis-1,2-Dichloroethene
Concen: 1.673 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

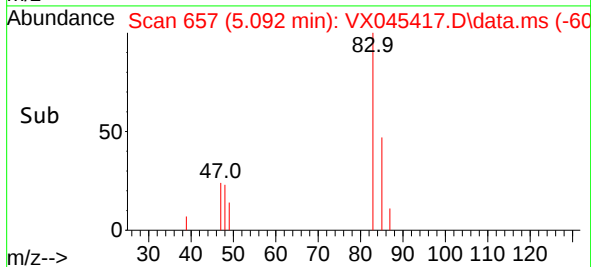
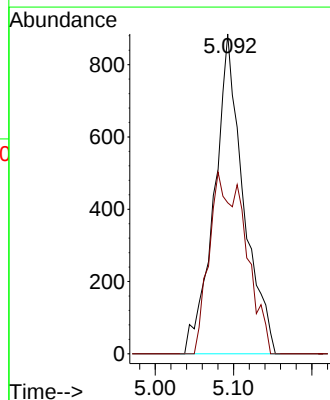
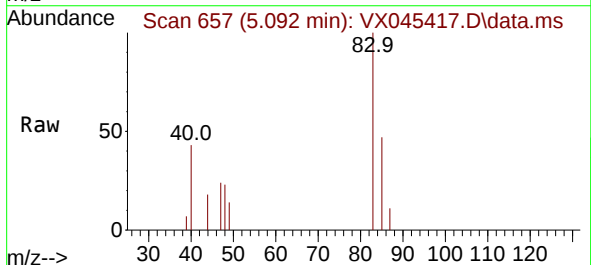
Instrument :
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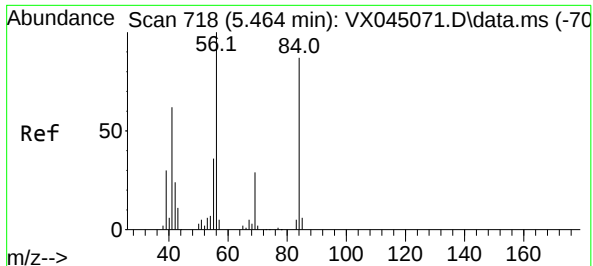
Tgt Ion: 96 Resp: 1624
Ion Ratio Lower Upper
96 100
61 141.6 0.0 283.2
98 63.7 0.0 128.0



#30
Chloroform
Concen: 1.427 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 83 Resp: 2290
Ion Ratio Lower Upper
83 100
85 47.2 51.4 77.2#

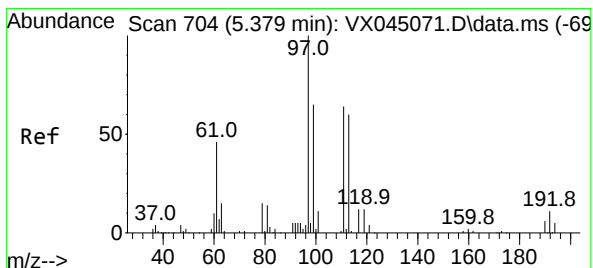
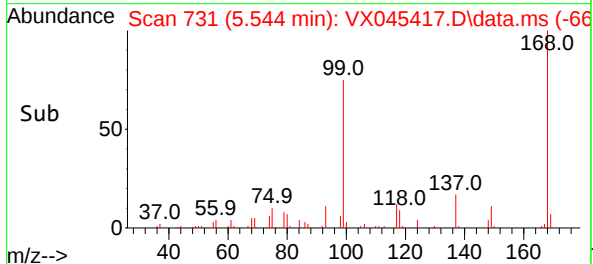
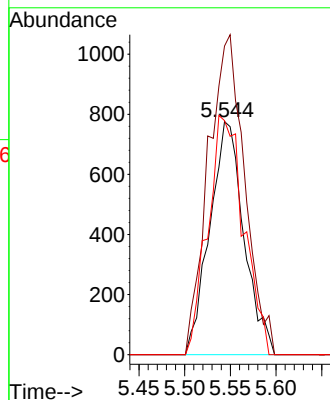
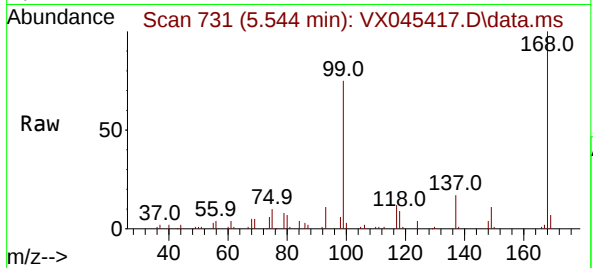




#31
Cyclohexane
Concen: 1.439 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

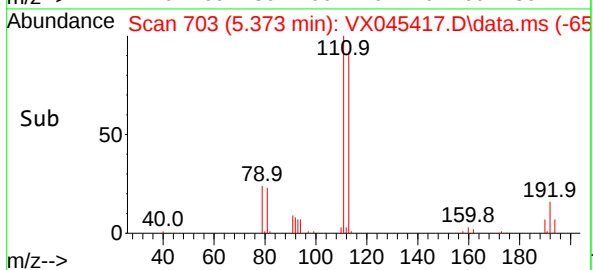
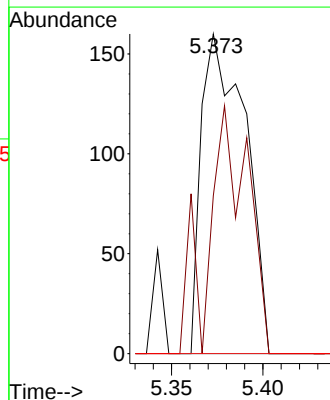
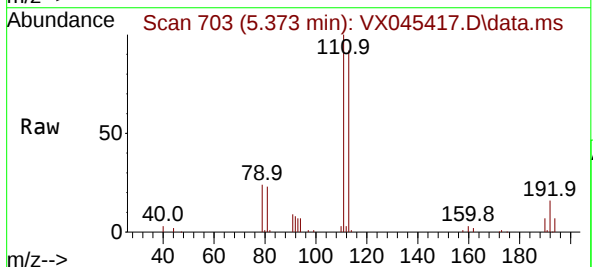
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

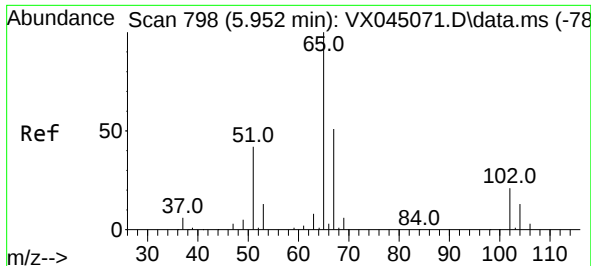
Tgt Ion: 56 Resp: 2018
Ion Ratio Lower Upper
56 100
69 132.3 23.4 35.2#
84 100.4 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 0.207 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 97 Resp: 268
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 0.0 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 57.701 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045417.D

Acq: 24 Mar 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

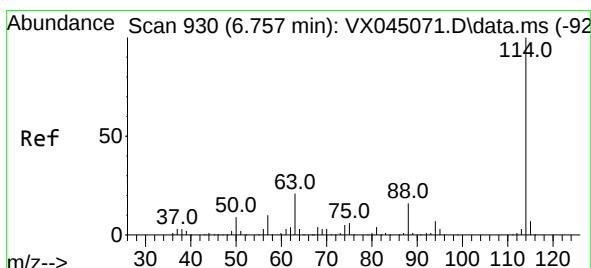
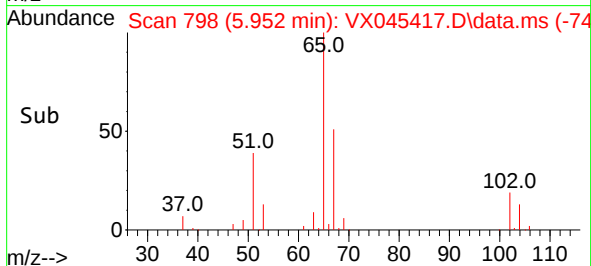
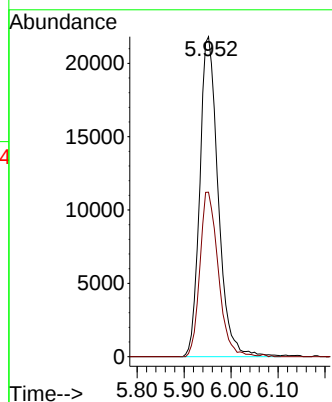
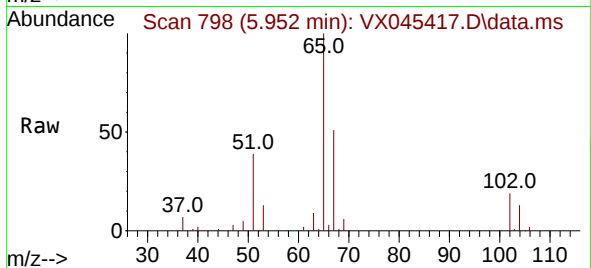
RE132D5-20250318

Tgt Ion: 65 Resp: 59465

Ion Ratio Lower Upper

65 100

67 51.3 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: VX045417.D

Acq: 24 Mar 2025 16:04

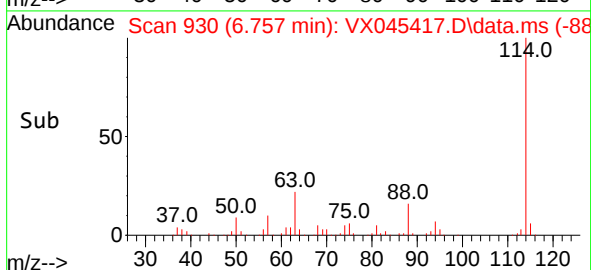
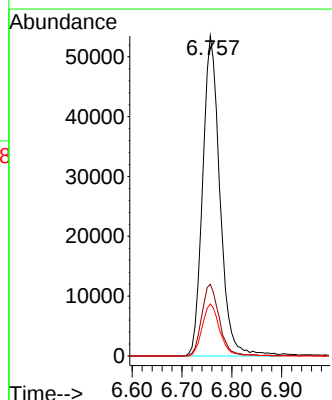
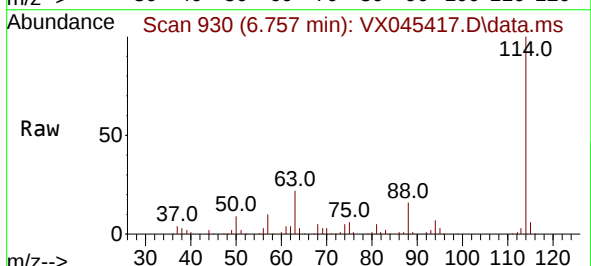
Tgt Ion: 114 Resp: 128718

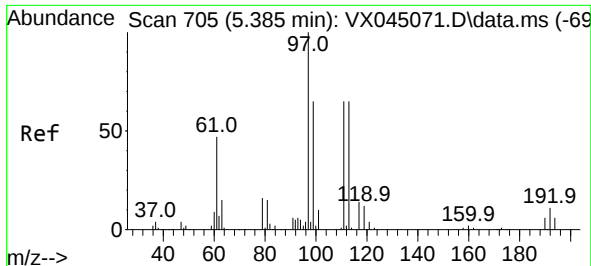
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

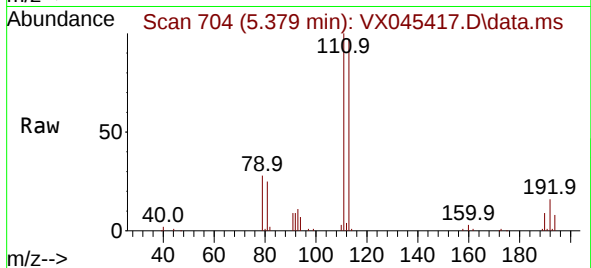
88 16.3 0.0 32.8



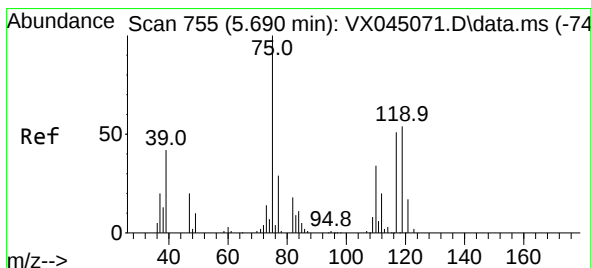
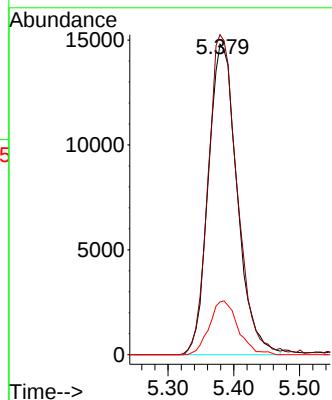
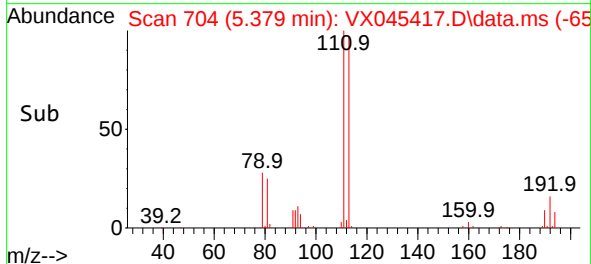


#35
Dibromofluoromethane
Concen: 52.377 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

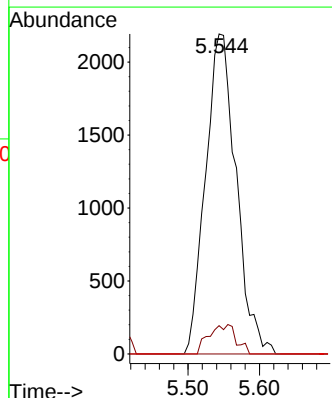
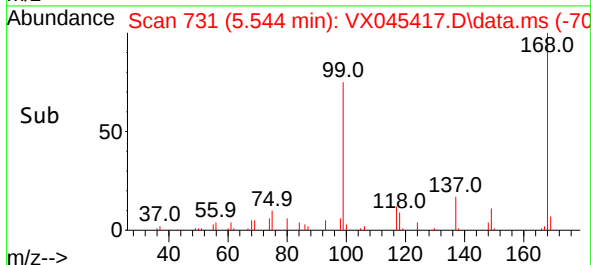
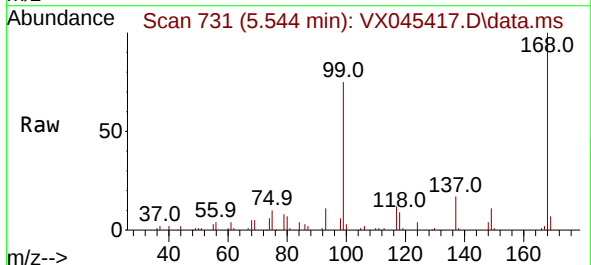


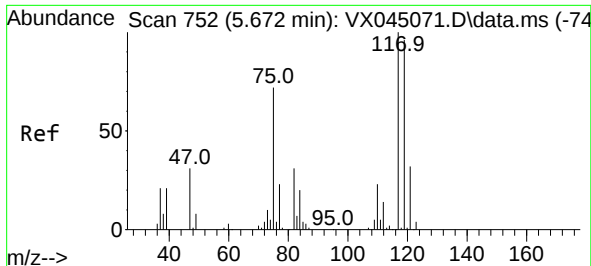
Tgt Ion:113 Resp: 45081
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.526 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

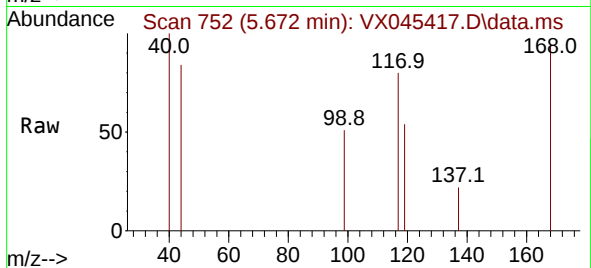
Tgt Ion: 75 Resp: 6523
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#



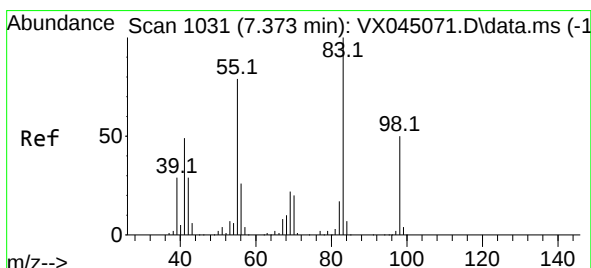
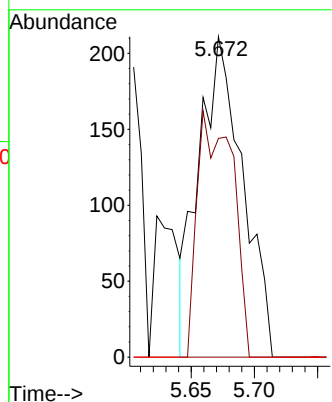
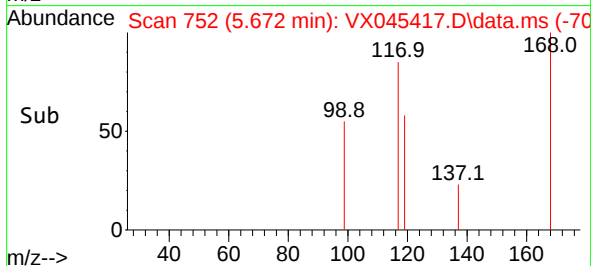


#38
Carbon Tetrachloride
Concen: 0.425 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

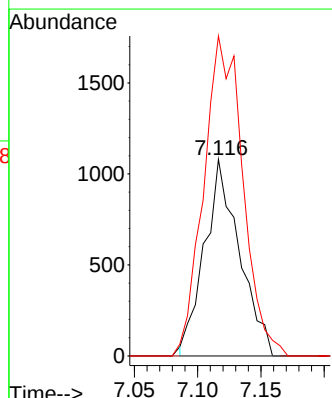
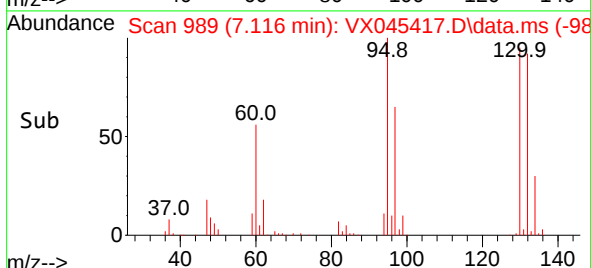
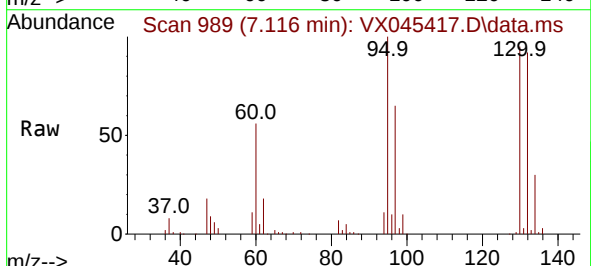


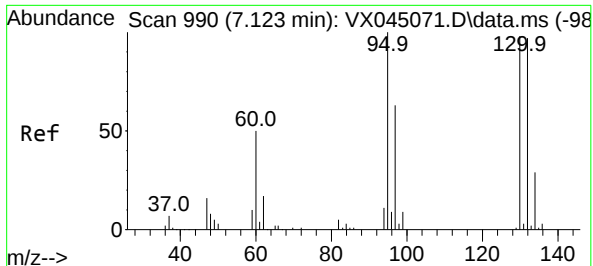
Tgt Ion:117 Resp: 509
Ion Ratio Lower Upper
117 100
119 68.2 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.464 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 83 Resp: 2071
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 157.7 39.7 59.5#

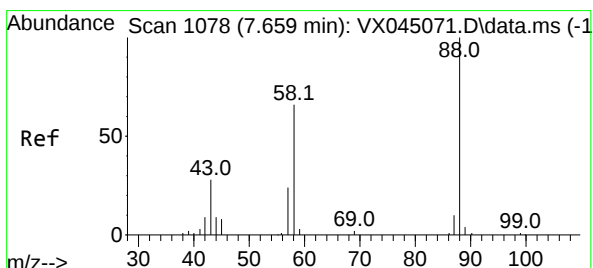
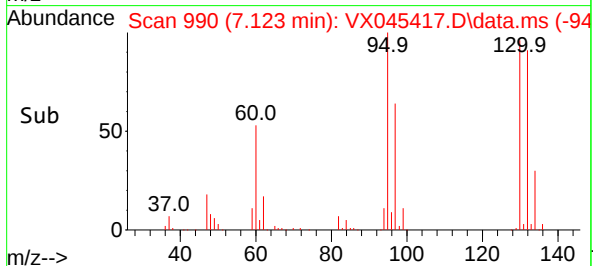
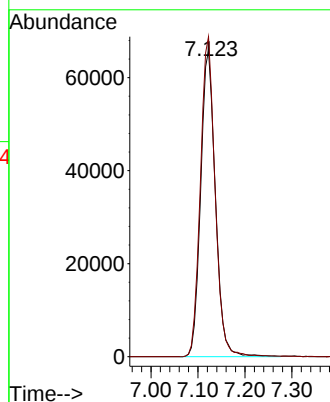
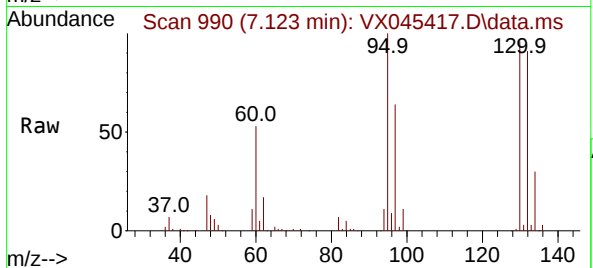




#44
Trichloroethene
Concen: 164.544 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

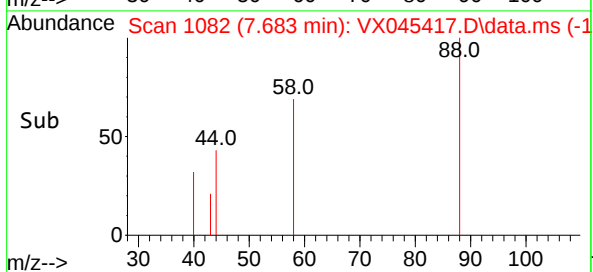
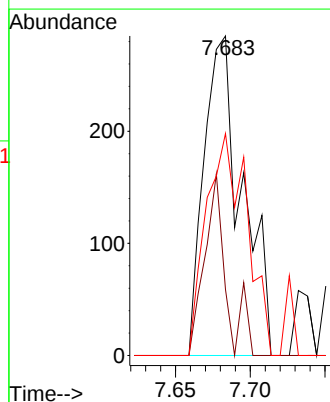
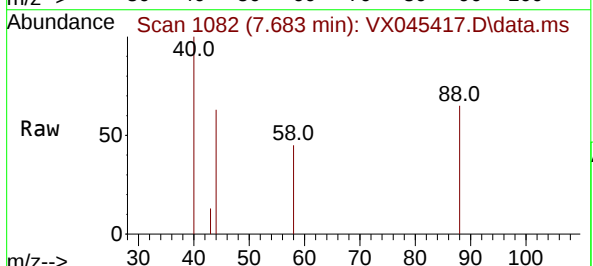
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

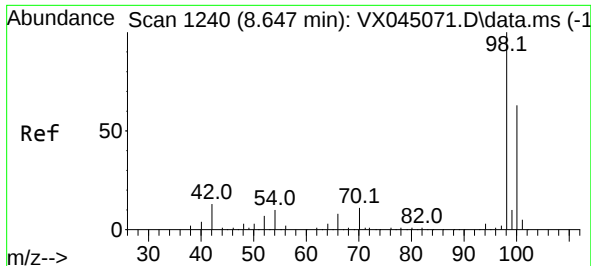
Tgt Ion:130 Resp: 144011
Ion Ratio Lower Upper
130 100
95 104.5 0.0 205.0



#49
1,4-Dioxane
Concen: 21.175 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 88 Resp: 504
Ion Ratio Lower Upper
88 100
43 31.9 28.7 43.1
58 74.2 55.8 83.8

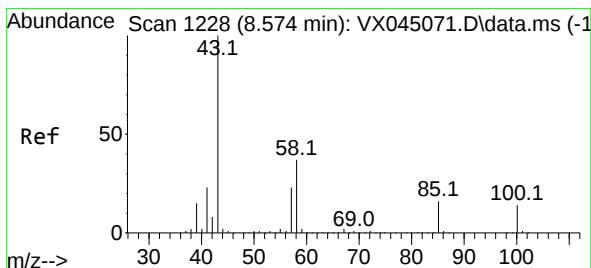
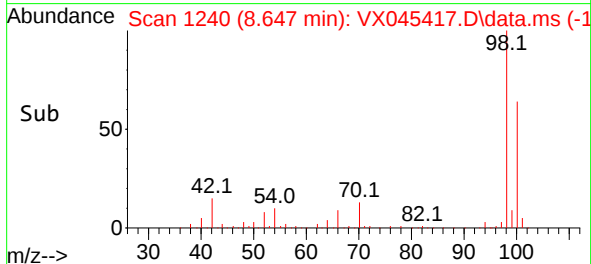
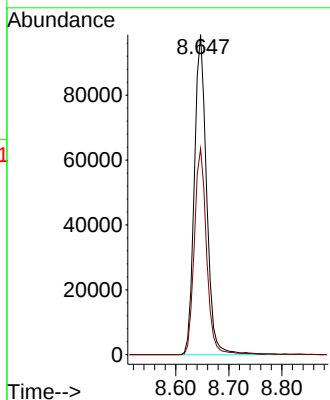
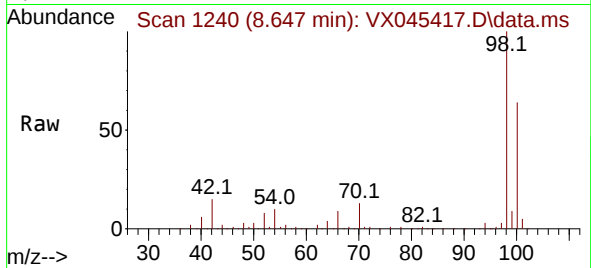




#50
Toluene-d8
Concen: 50.800 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

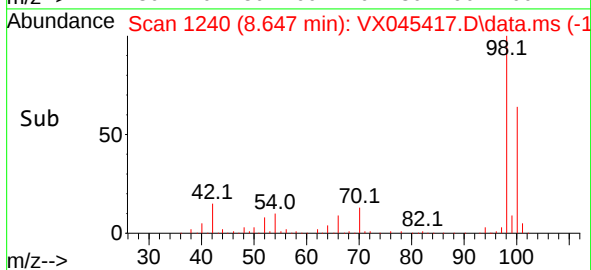
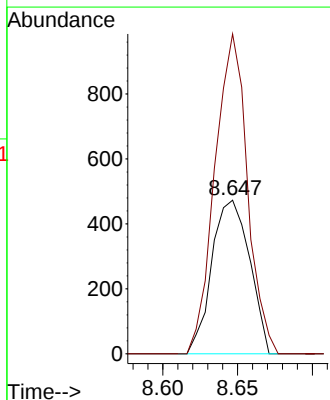
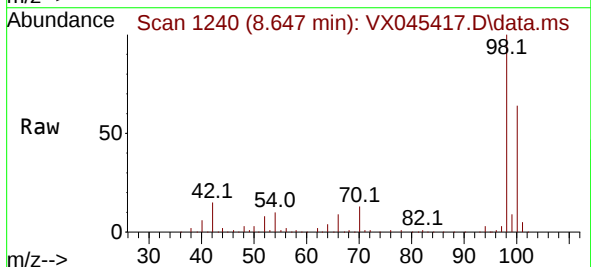
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

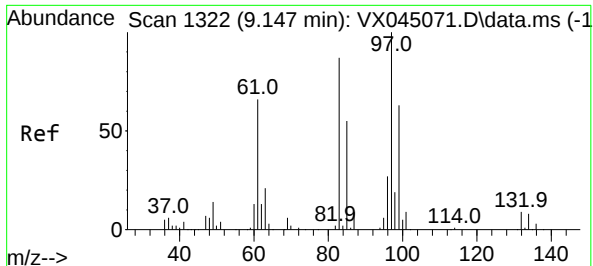
Tgt Ion: 98 Resp: 158514
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 179.4 29.2 43.8#





#55

1,1,2-Trichloroethane

Concen: 0.413 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.012 min

Lab File: VX045417.D

Acq: 24 Mar 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20250318

Tgt Ion: 97 Resp: 372

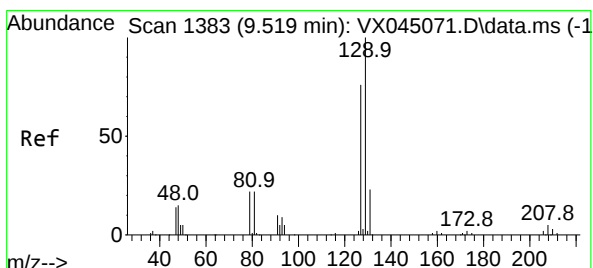
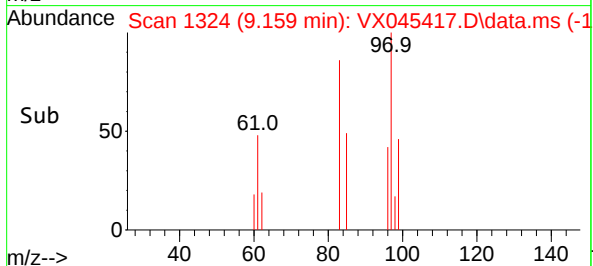
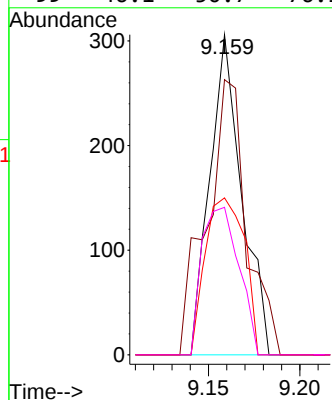
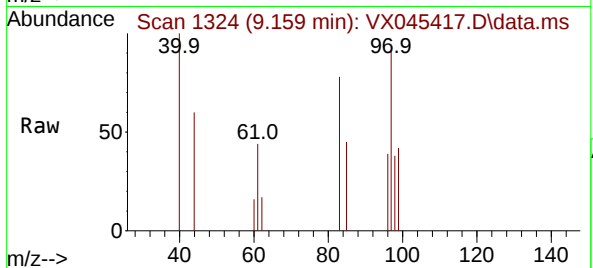
Ion Ratio Lower Upper

97 100

83 85.9 69.4 104.2

85 49.0 44.1 66.1

99 46.1 50.7 76.1#



#60

Dibromochloromethane

Concen: 0.228 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.238 min

Lab File: VX045417.D

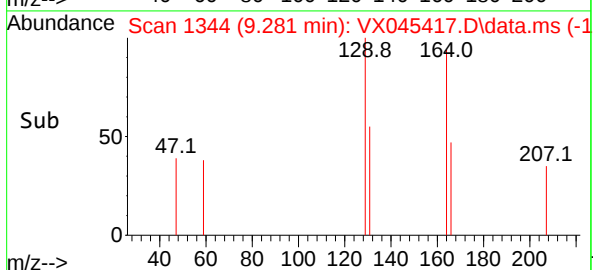
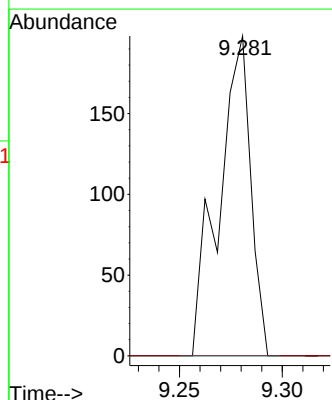
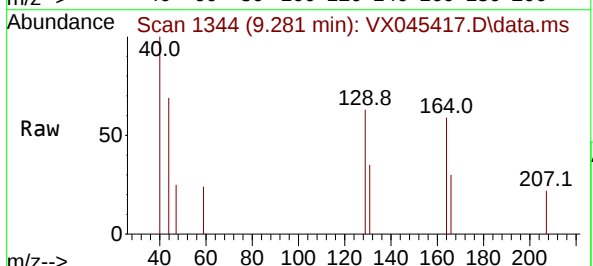
Acq: 24 Mar 2025 16:04

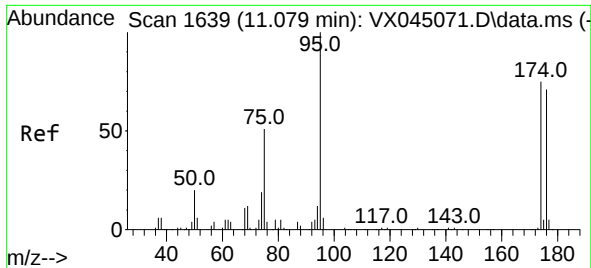
Tgt Ion: 129 Resp: 215

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

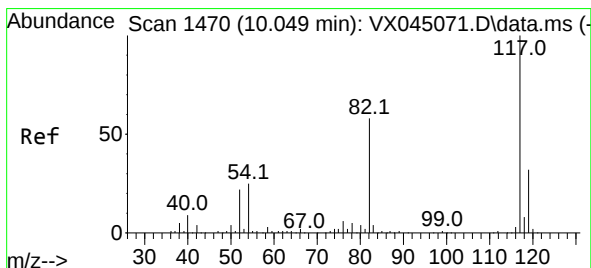
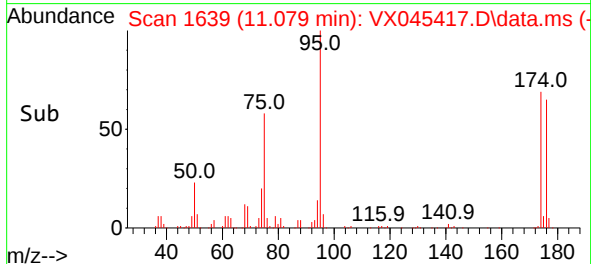
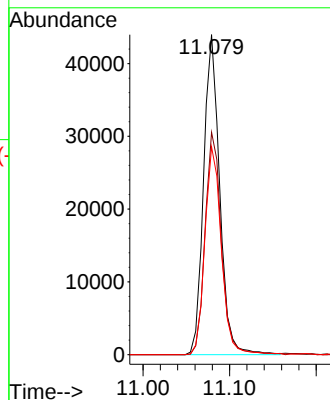
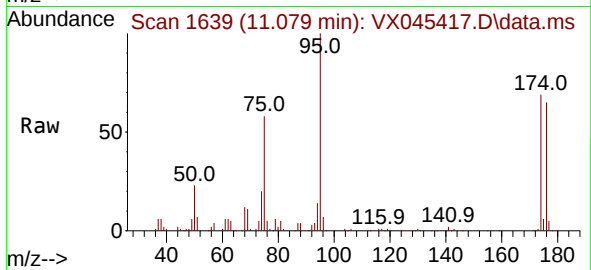




#62
4-Bromofluorobenzene
Concen: 55.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

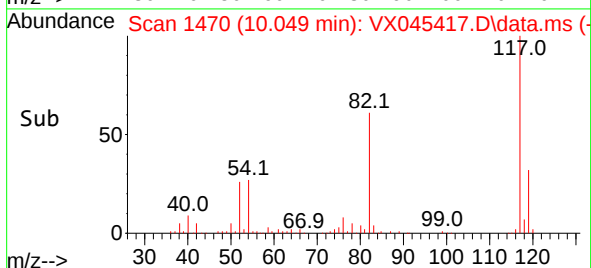
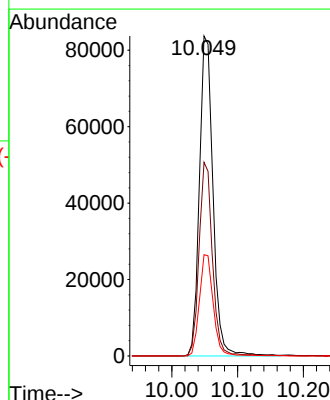
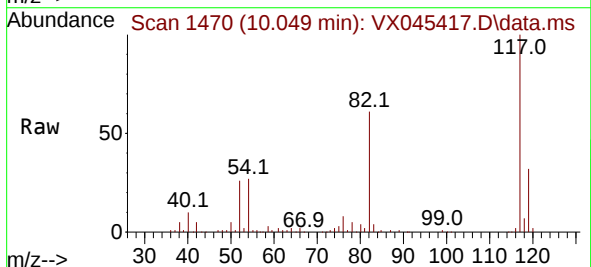
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

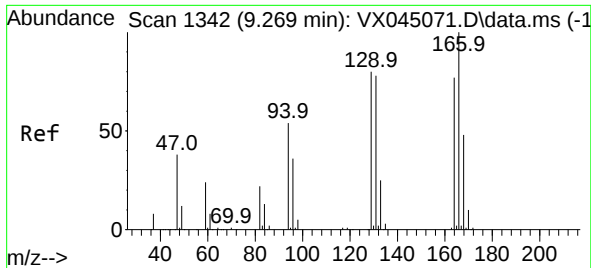
Tgt Ion: 95 Resp: 56895
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 66.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 117 Resp: 120307
Ion Ratio Lower Upper
117 100
82 60.5 46.3 69.5
119 31.6 25.7 38.5

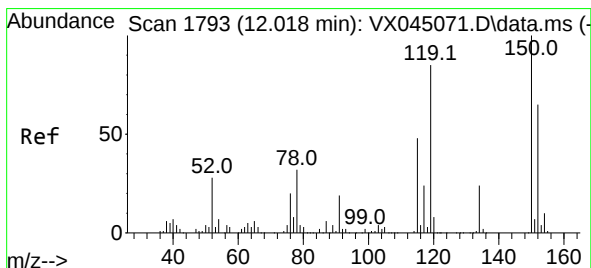
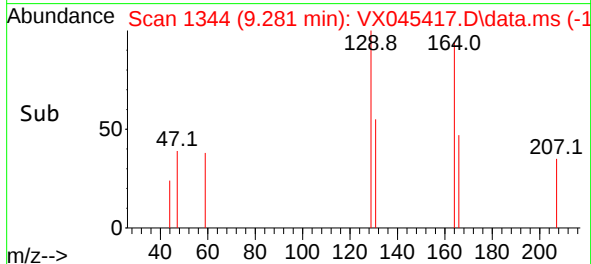
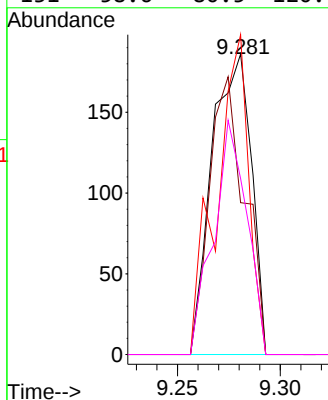
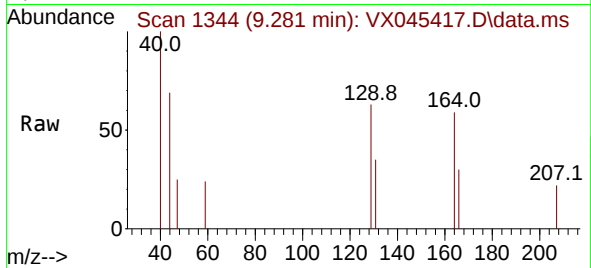




#64
Tetrachloroethene
Concen: 0.321 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

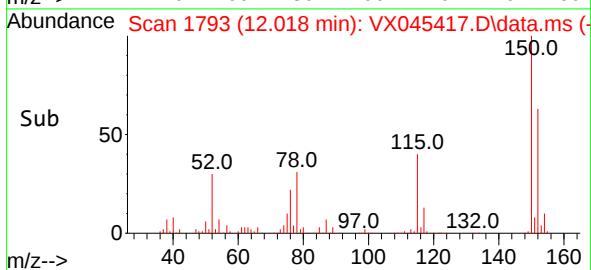
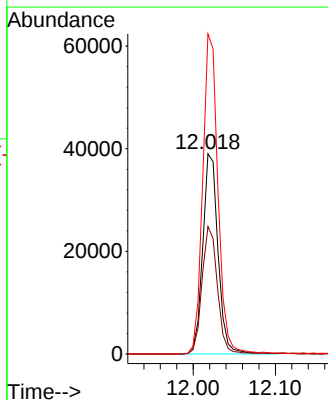
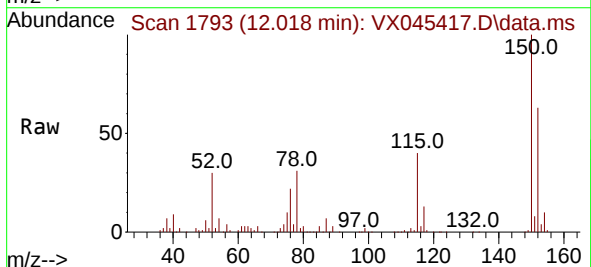
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

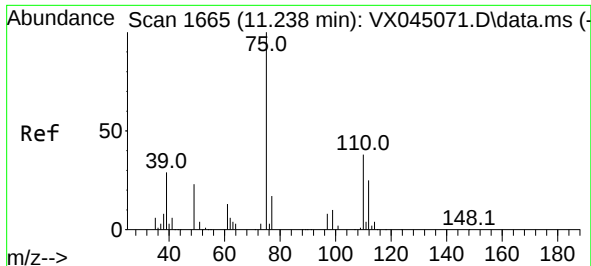
Tgt Ion:164 Resp: 247
Ion Ratio Lower Upper
164 100
166 50.5 103.6 155.4#
129 106.5 82.7 124.1
131 58.6 80.5 120.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion:152 Resp: 50372
Ion Ratio Lower Upper
152 100
115 64.6 44.2 132.6
150 160.1 0.0 349.0

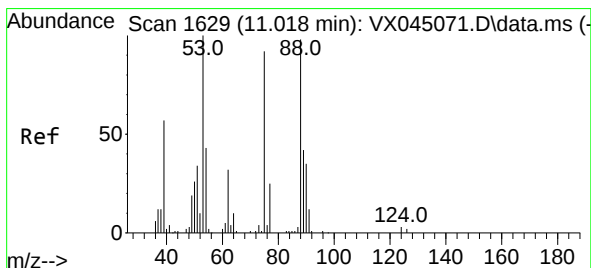
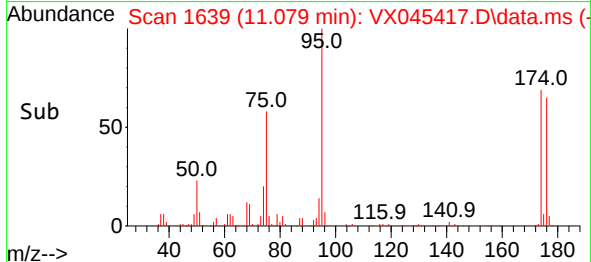
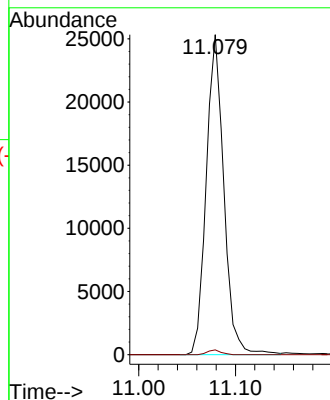
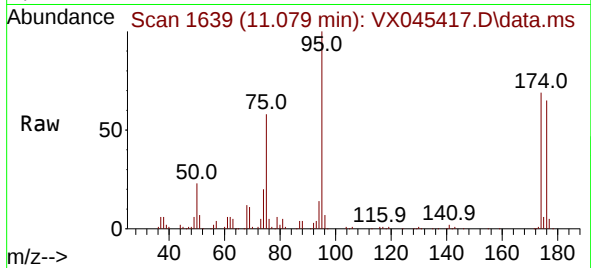




#76
1,2,3-Trichloropropane
Concen: 27.372 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion: 75 Resp: 32091
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 75 Resp: 32091
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

