

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044416.D
 Acq On : 19 Dec 2024 06:04 am
 Operator : JC/MD
 Sample : P5317-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20241217

Quant Time: Dec 19 07:13:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

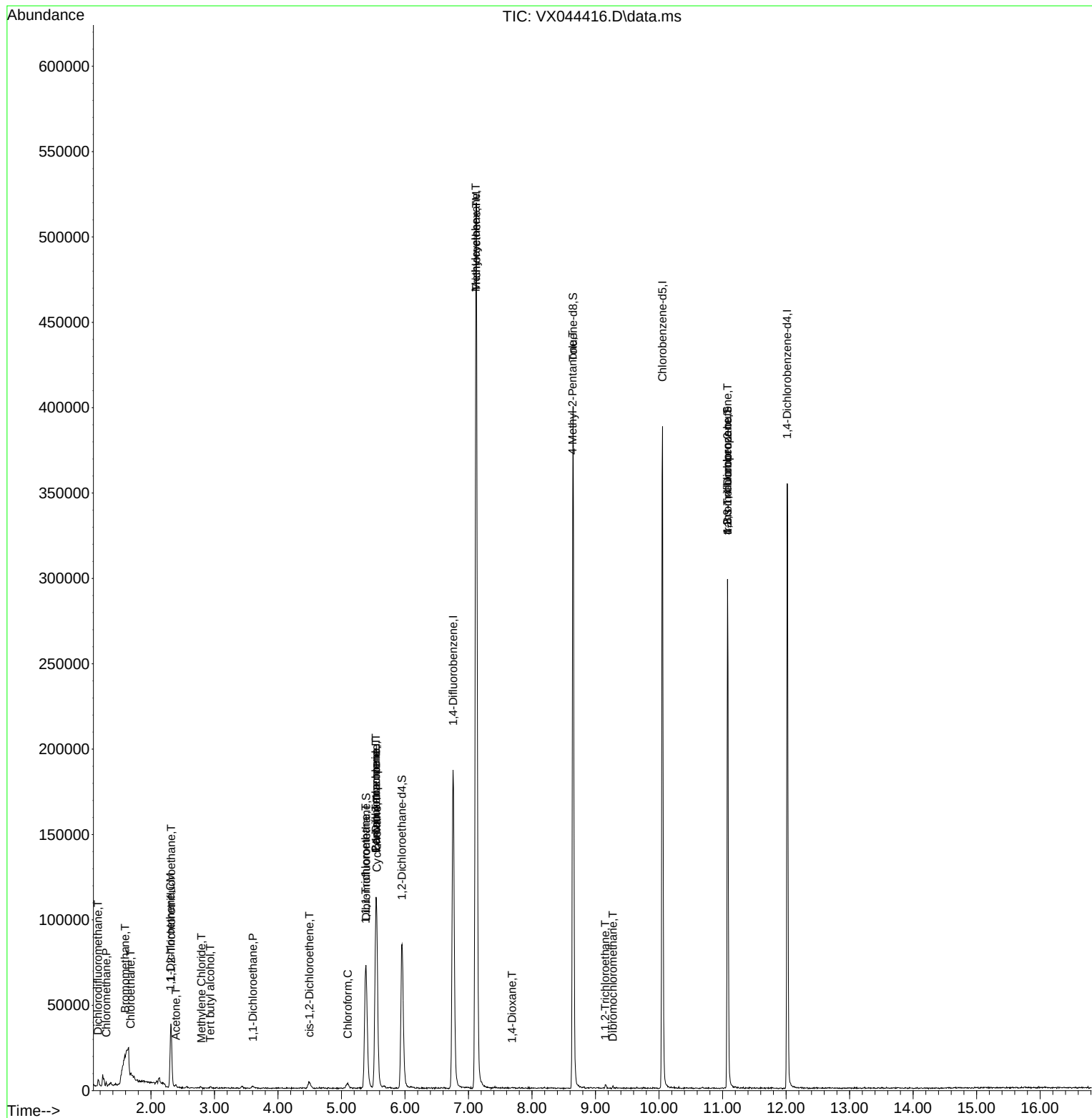
Internal Standards						
1) Pentafluorobenzene	5.544	168	104497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	189474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83114	45.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.720%
35) Dibromofluoromethane	5.385	113	63538	48.418	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	8.647	98	230583	52.083	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.160%
62) 4-Bromofluorobenzene	11.079	95	74919	48.429	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1947	1.205	ug/l	97
3) Chloromethane	1.294	50	1079	0.698	ug/l #	86
5) Bromomethane	1.593	94	594	0.520	ug/l #	42
6) Chloroethane	1.679	64	206	0.206	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	11944	9.366	ug/l	95
11) Tert butyl alcohol	2.934	59	332	1.286	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	3099	2.646	ug/l #	69
16) Acetone	2.392	43	1052	1.408	ug/l #	43
20) Methylene Chloride	2.794	84	368	0.262	ug/l #	59
24) 1,1-Dichloroethane	3.605	63	1538	0.628	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	2460	1.556	ug/l	86
30) Chloroform	5.099	83	3176	1.154	ug/l	96
31) Cyclohexane	5.556	56	2728	1.380	ug/l #	41
32) 1,1,1-Trichloroethane	5.379	97	583	0.255	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	9004	5.308	ug/l #	41
38) Carbon Tetrachloride	5.544	117	11249	6.160	ug/l #	17
39) Methylcyclohexane	7.117	83	2591	1.278	ug/l #	1
44) Trichloroethene	7.123	130	196003	152.610	ug/l	95
49) 1,4-Dioxane	7.684	88	360	13.648	ug/l #	45
51) 4-Methyl-2-Pentanone	8.641	43	1209	0.574	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	580	0.451	ug/l #	88
60) Dibromochloromethane	9.275	129	230	1.404	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	41440	25.813	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41440	71.294	ug/l #	4

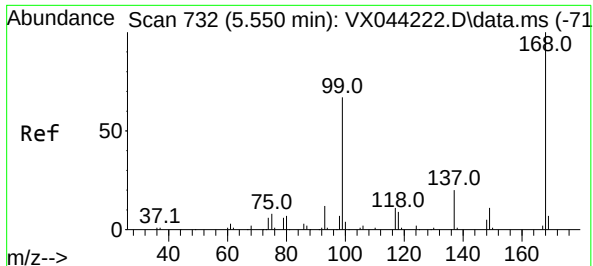
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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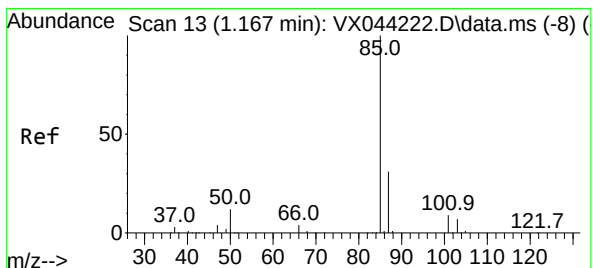
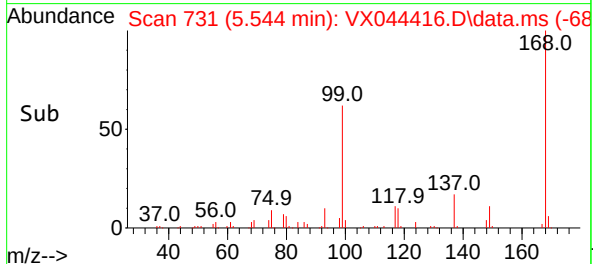
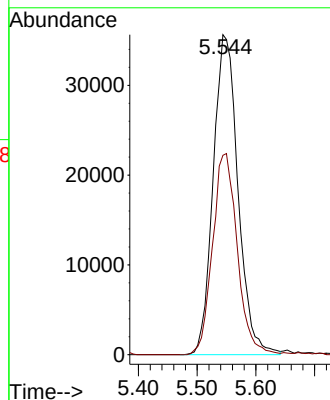
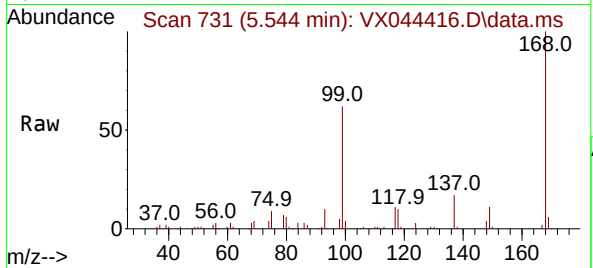




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

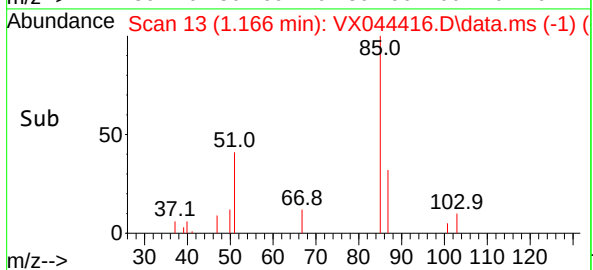
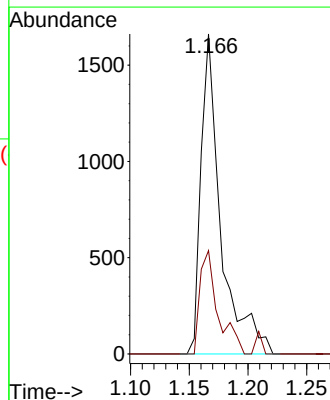
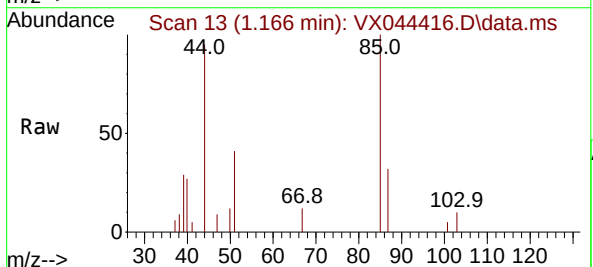
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

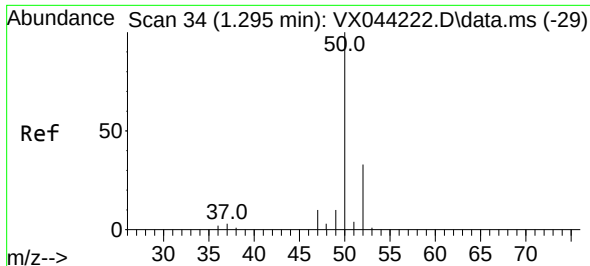
Tgt Ion:168 Resp: 104497
Ion Ratio Lower Upper
168 100
99 62.3 53.4 80.0



#2
Dichlorodifluoromethane
Concen: 1.205 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 85 Resp: 1947
Ion Ratio Lower Upper
85 100
87 32.3 15.4 46.4

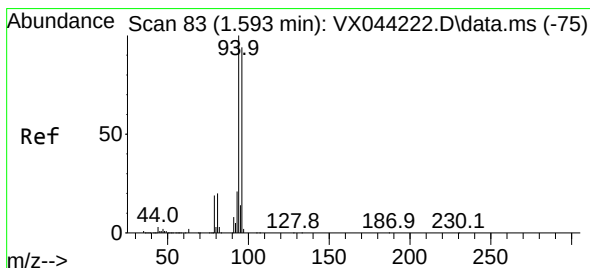
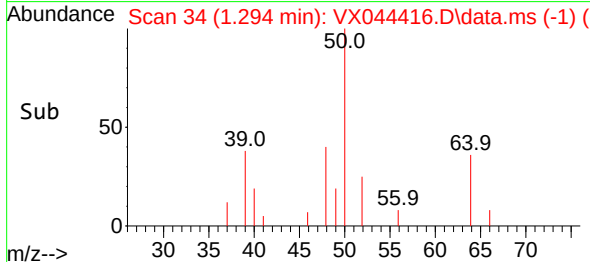
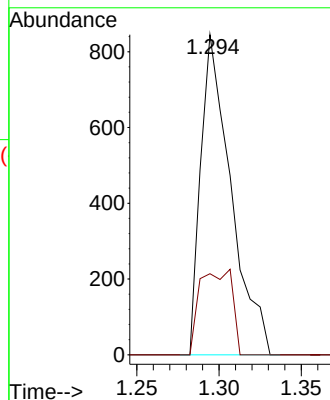
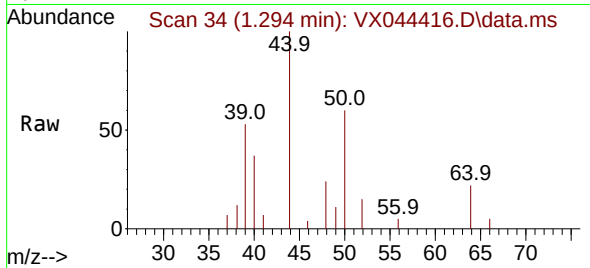




#3
Chloromethane
Concen: 0.698 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

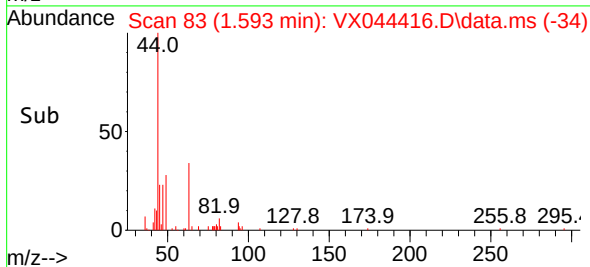
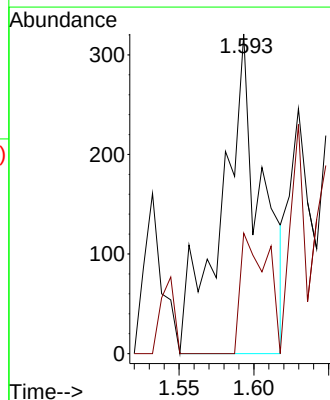
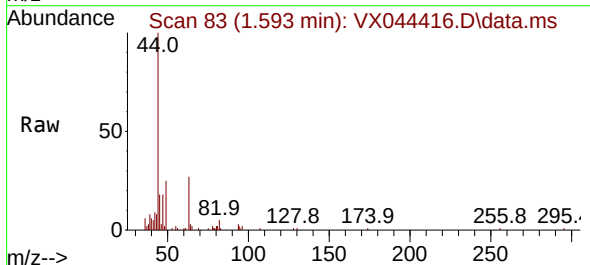
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

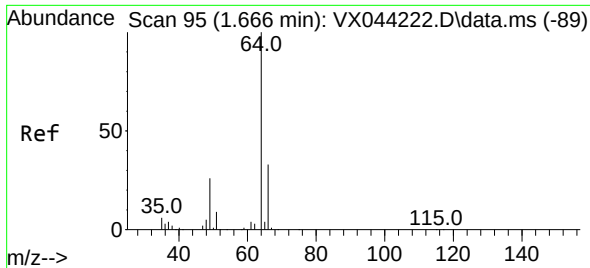
Tgt Ion: 50 Resp: 1079
Ion Ratio Lower Upper
50 100
52 25.3 26.5 39.7#



#5
Bromomethane
Concen: 0.520 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 94 Resp: 594
Ion Ratio Lower Upper
94 100
96 37.7 74.9 112.3#

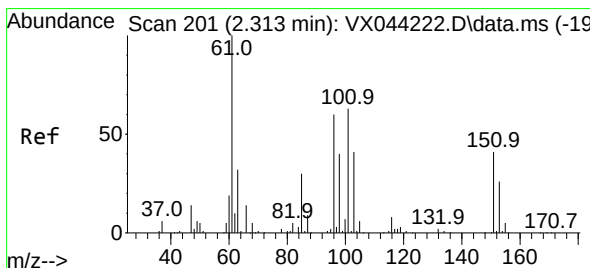
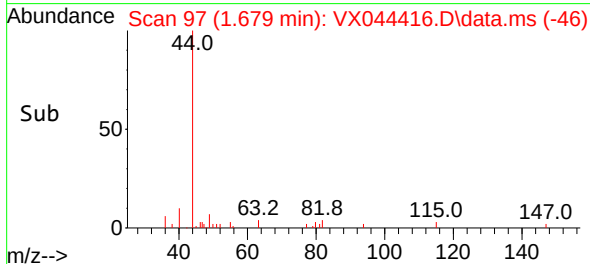
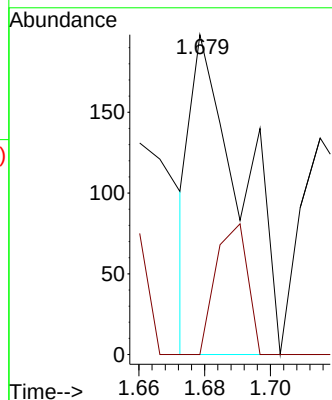
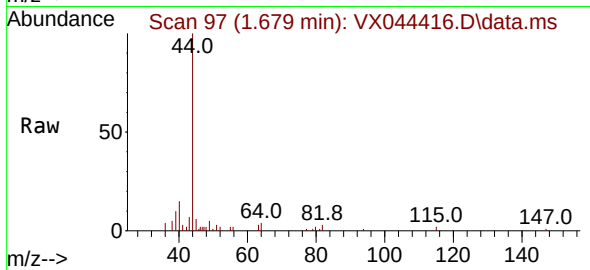




#6
Chloroethane
Concen: 0.206 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

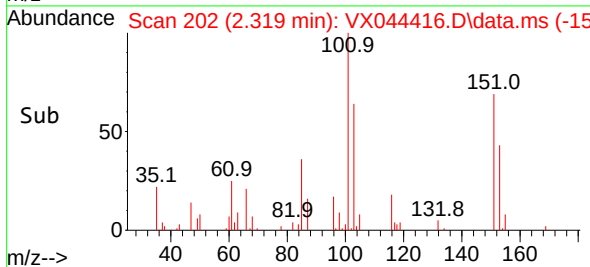
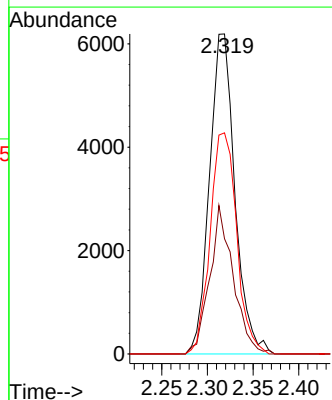
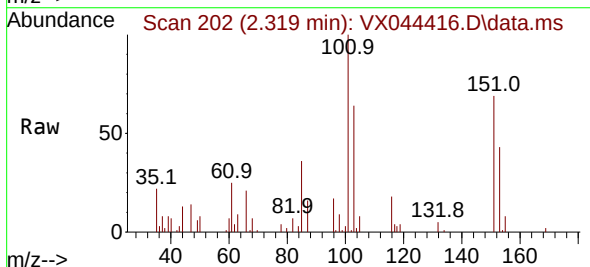
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

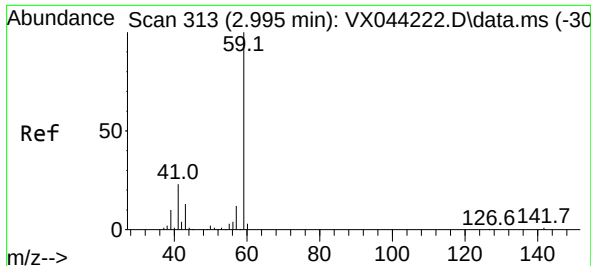
Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.366 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 101 Resp: 11944
Ion Ratio Lower Upper
101 100
85 43.2 38.5 57.7
151 72.4 55.8 83.6

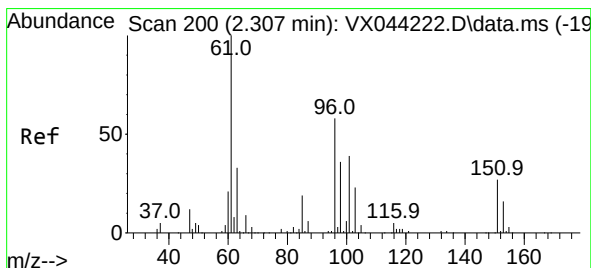
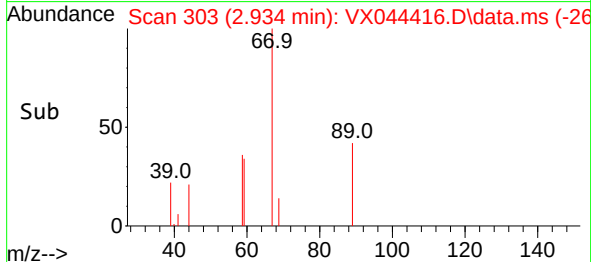
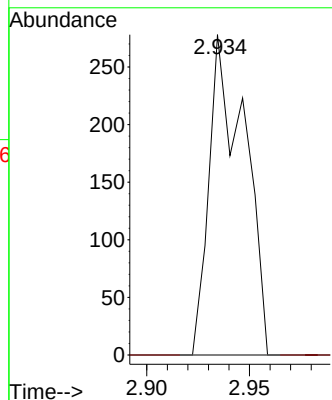
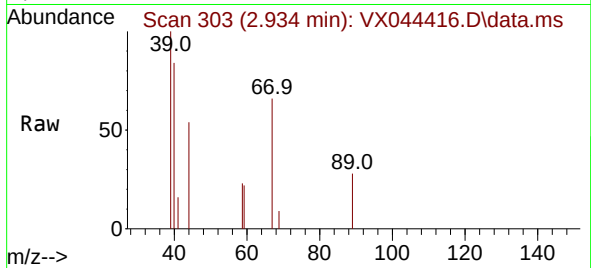




#11
Tert butyl alcohol
Concen: 1.286 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

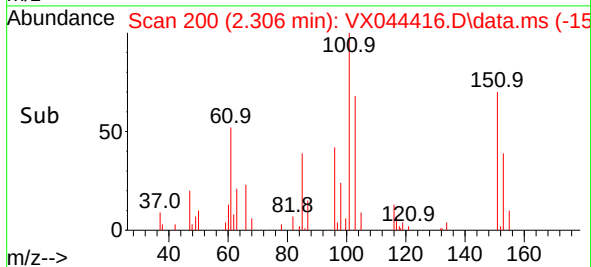
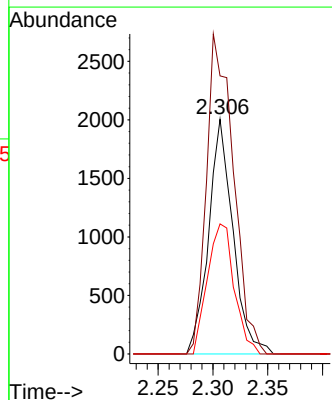
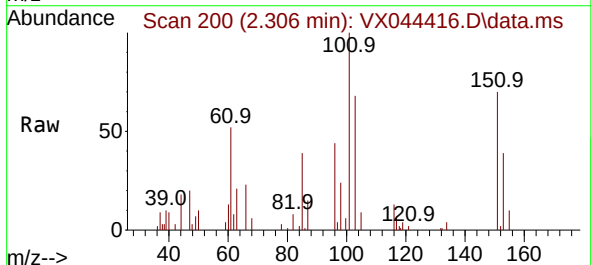
Instrument :
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ClientSampleId :
RE132D5-20241217

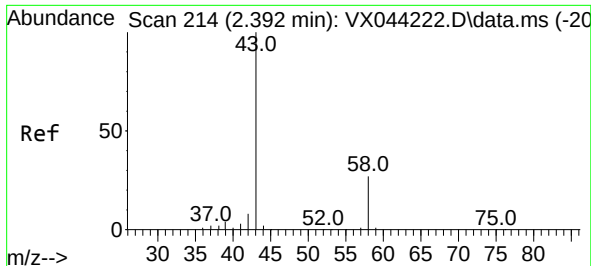
Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 2.646 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 96 Resp: 3099
Ion Ratio Lower Upper
96 100
61 118.5 138.0 207.0#
98 55.4 50.0 75.0

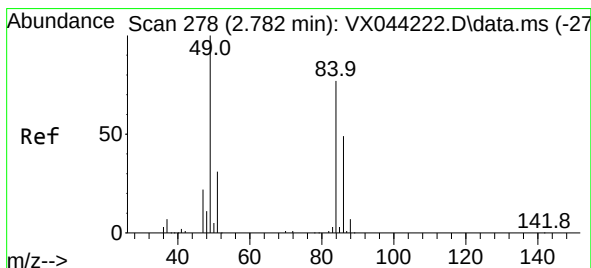
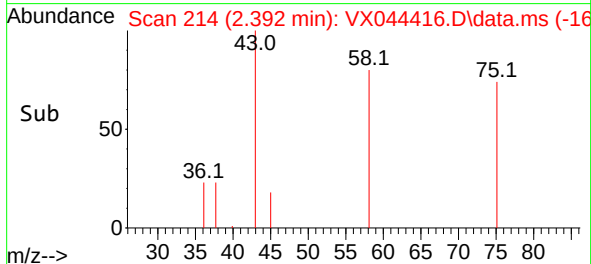
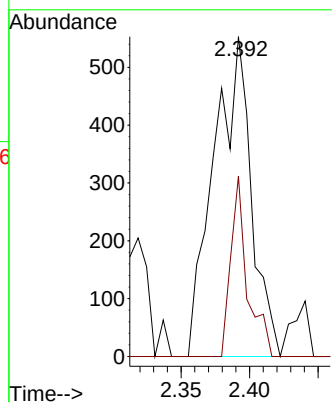
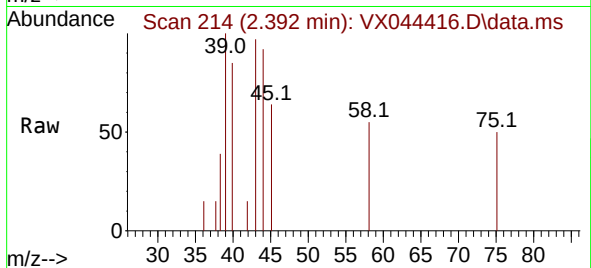




#16
Acetone
Concen: 1.408 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

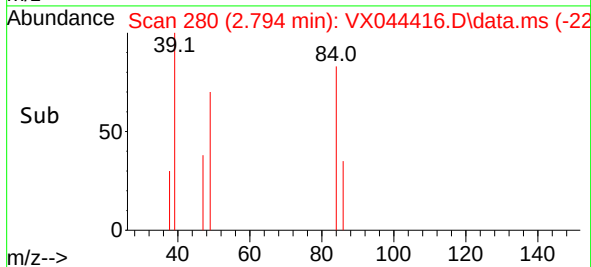
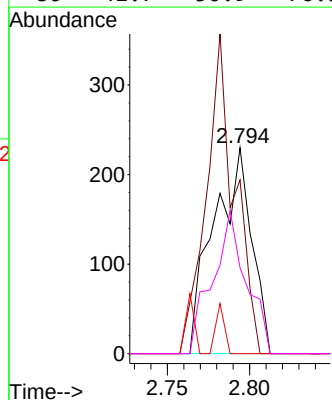
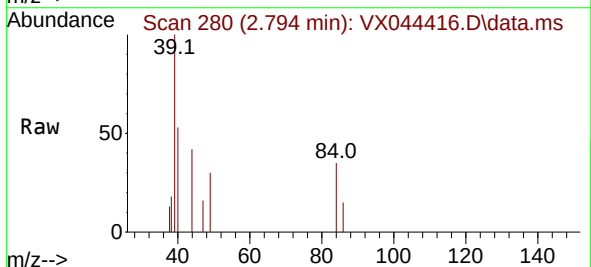
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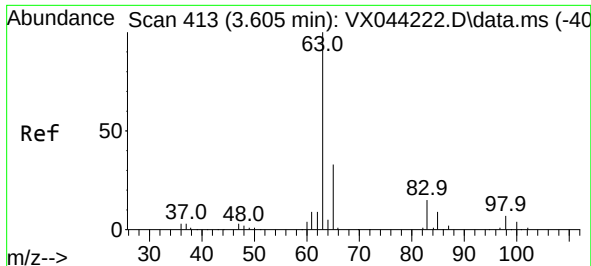
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 56.4 21.6 32.4#



#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 84 Resp: 368
Ion Ratio Lower Upper
84 100
49 84.3 104.2 156.4#
51 0.0 32.2 48.4#
86 41.7 50.9 76.3#

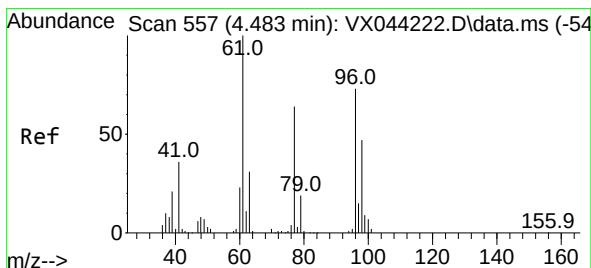
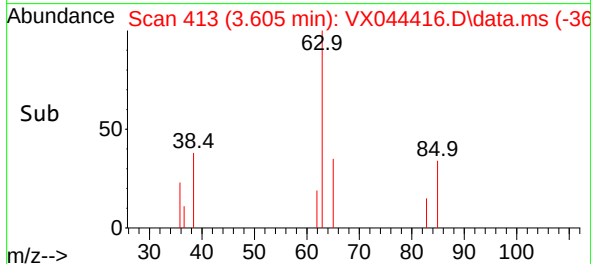
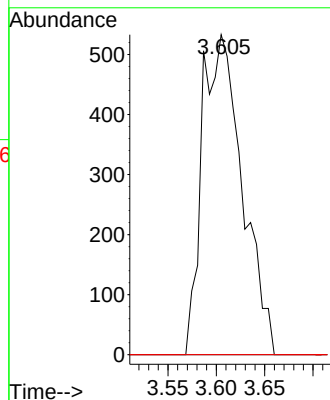
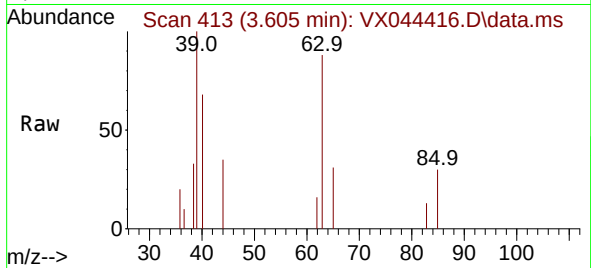




#24
1,1-Dichloroethane
Concen: 0.628 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

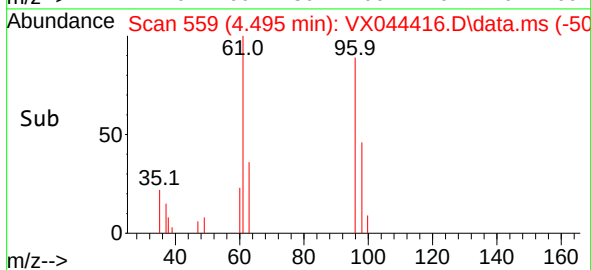
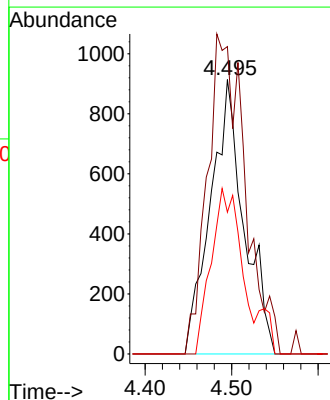
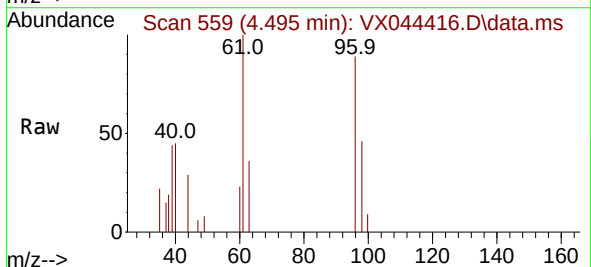
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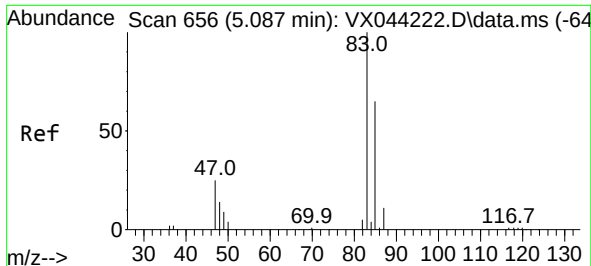
Tgt Ion: 63 Resp: 1538
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 1.556 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 96 Resp: 2460
Ion Ratio Lower Upper
96 100
61 131.2 0.0 299.0
98 53.3 0.0 129.0





#30

Chloroform

Concen: 1.154 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX044416.D

Acq: 19 Dec 2024 06:04

Instrument :

MSVOA_X

ClientSampleId :

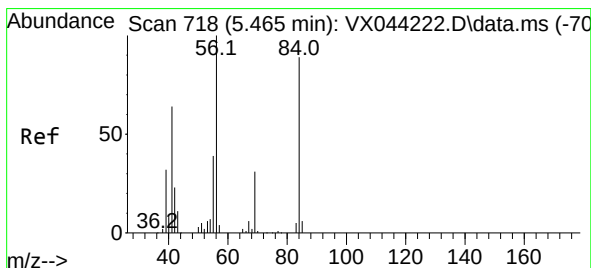
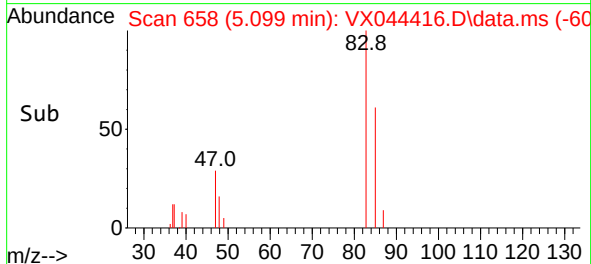
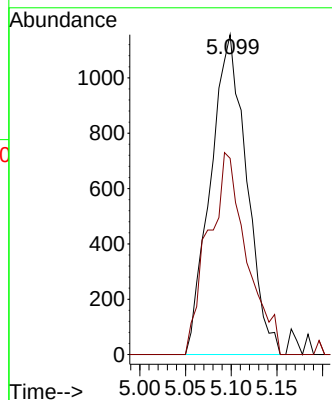
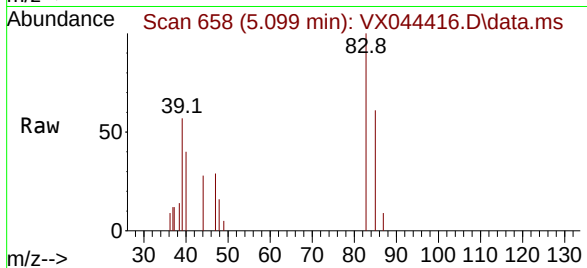
RE132D5-20241217

Tgt Ion: 83 Resp: 3176

Ion Ratio Lower Upper

83 100

85 61.3 51.6 77.4



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX044416.D

Acq: 19 Dec 2024 06:04 am

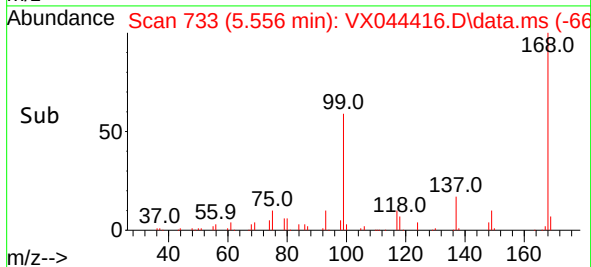
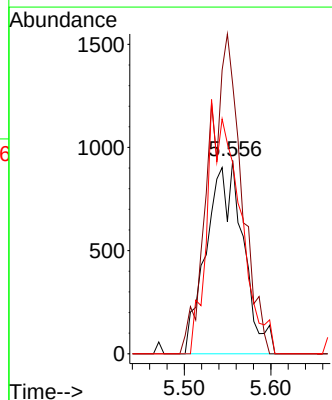
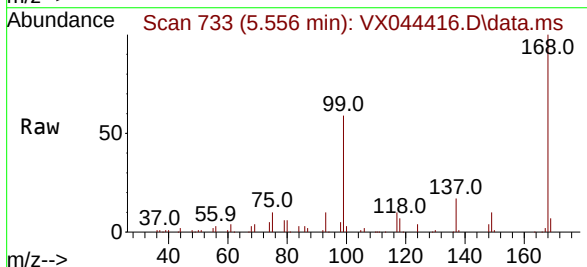
Tgt Ion: 56 Resp: 2728

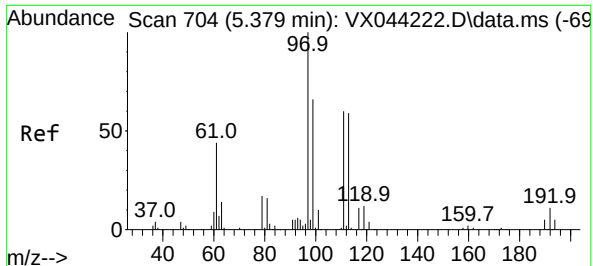
Ion Ratio Lower Upper

56 100

69 139.5 24.7 37.1#

84 98.9 71.0 106.6





#32

1,1,1-Trichloroethane

Concen: 0.255 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044416.D

Acq: 19 Dec 2024 06:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217

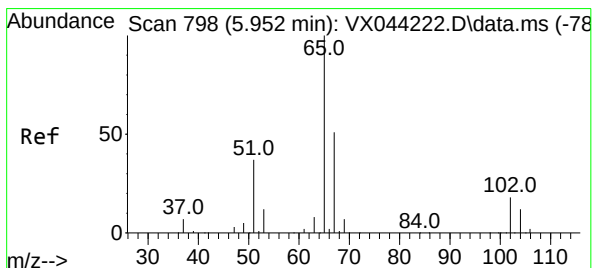
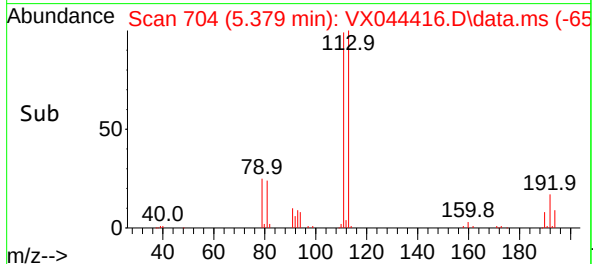
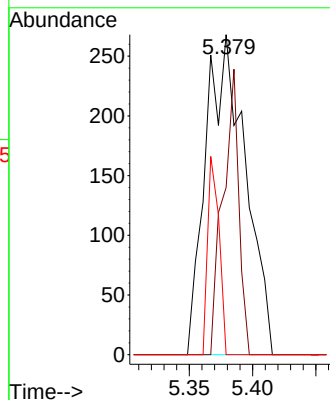
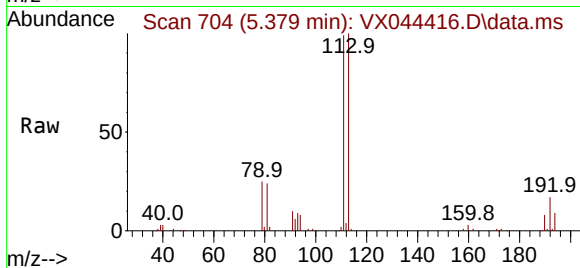
Tgt Ion: 97 Resp: 583

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

61 17.8 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 45.364 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044416.D

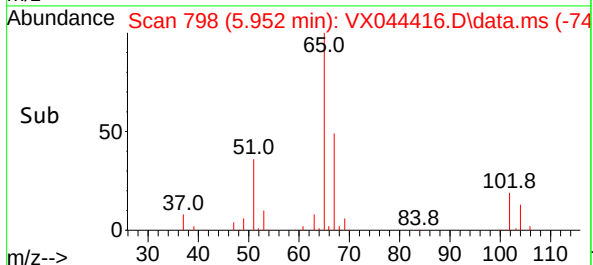
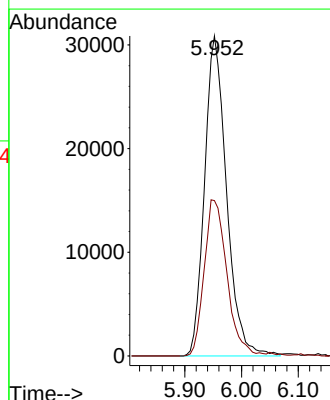
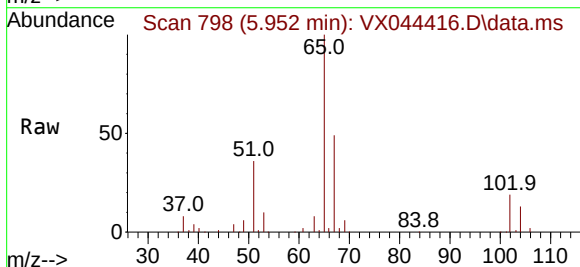
Acq: 19 Dec 2024 06:04 am

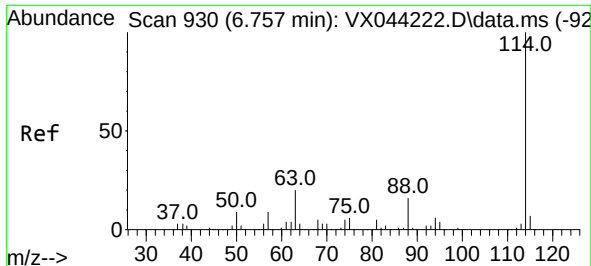
Tgt Ion: 65 Resp: 83114

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.6

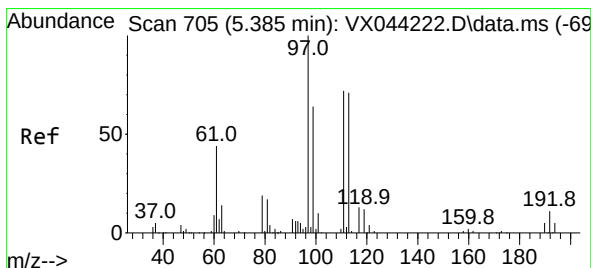
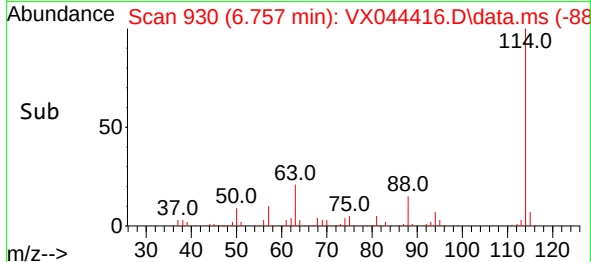
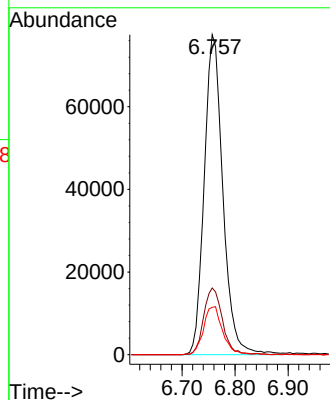
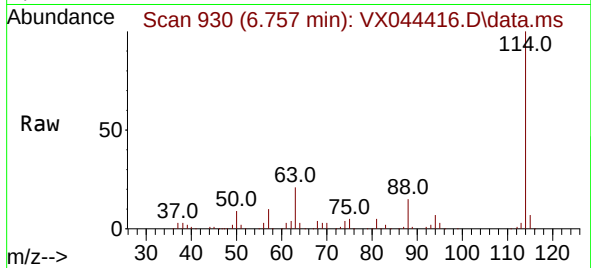




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

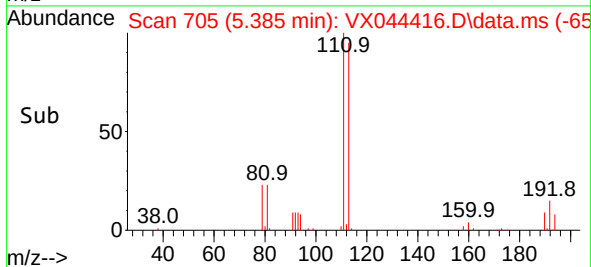
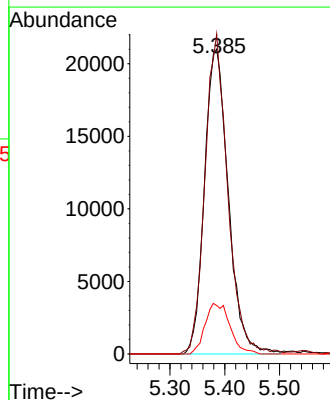
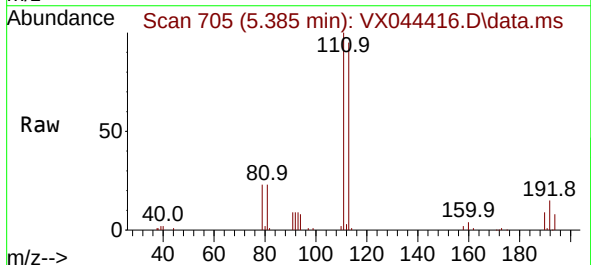
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

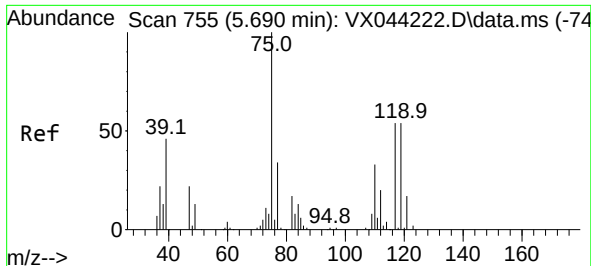
Tgt Ion:114 Resp: 189474
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.6
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.418 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion:113 Resp: 63538
Ion Ratio Lower Upper
113 100
111 99.9 80.4 120.6
192 17.2 13.3 19.9

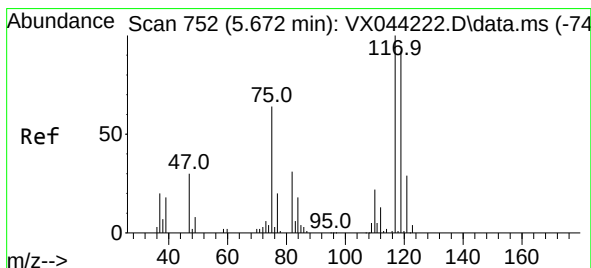
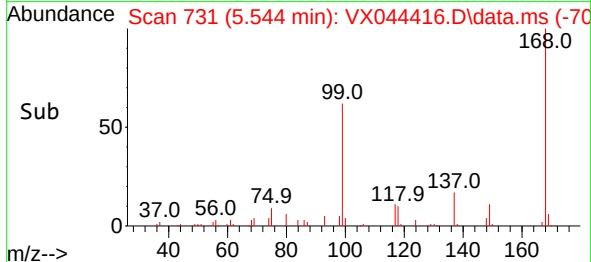
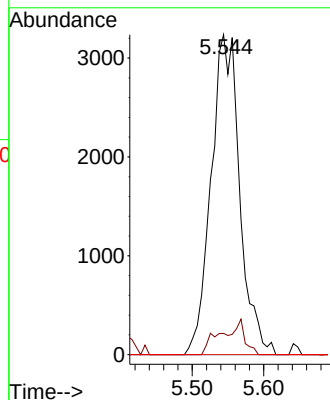
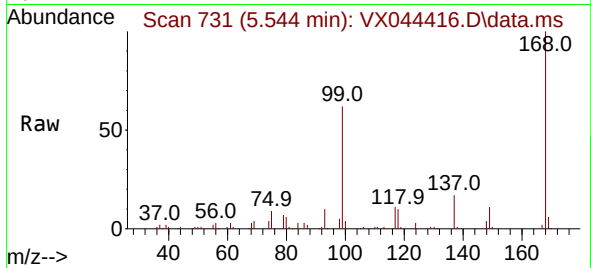




#36
1,1-Dichloropropene
Concen: 5.308 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

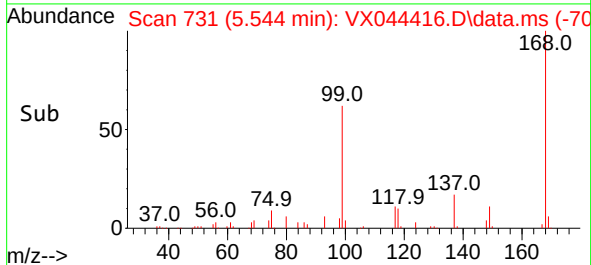
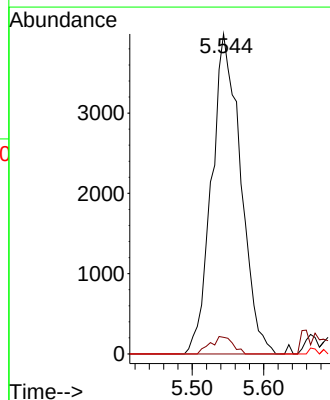
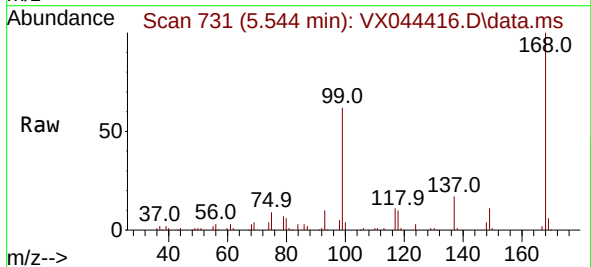
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

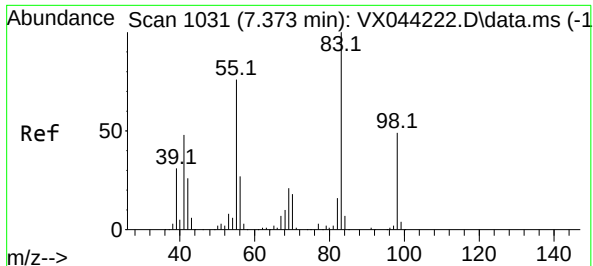
Tgt Ion: 75 Resp: 9004
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.7#
77 0.0 25.4 38.0#



#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 117 Resp: 11249
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.4#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.278 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.256 min

Lab File: VX044416.D

Acq: 19 Dec 2024 06:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217

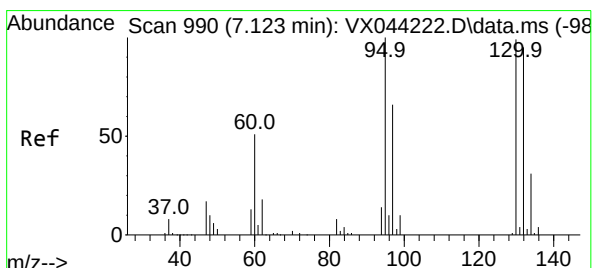
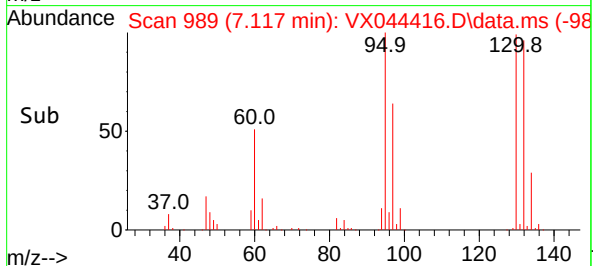
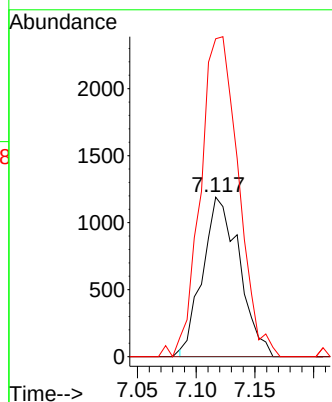
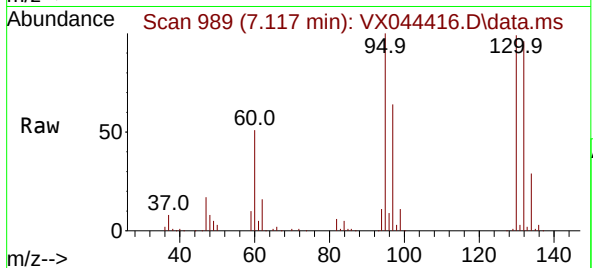
Tgt Ion: 83 Resp: 2591

Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 199.3 38.9 58.3#



#44

Trichloroethene

Concen: 152.610 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX044416.D

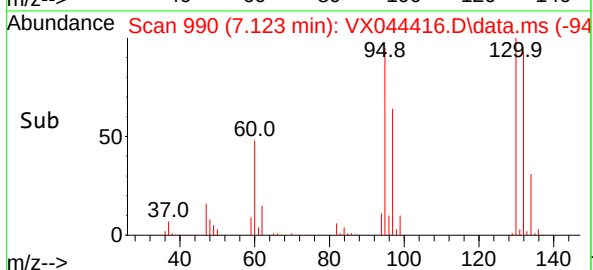
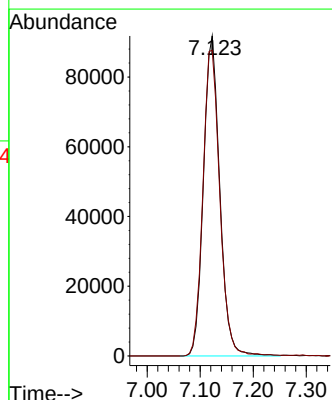
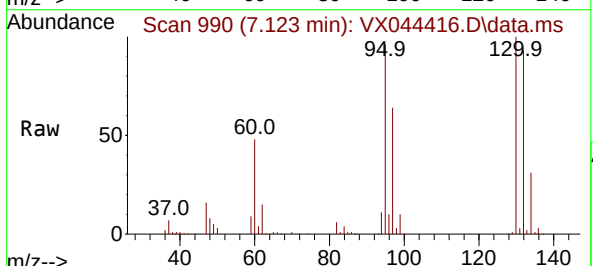
Acq: 19 Dec 2024 06:04 am

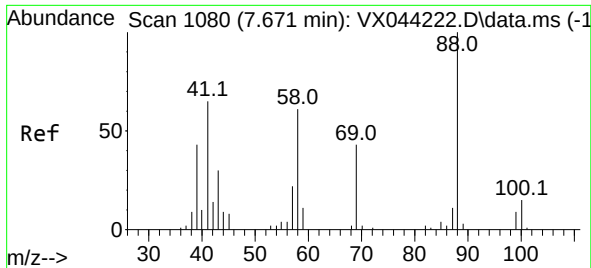
Tgt Ion:130 Resp: 196003

Ion Ratio Lower Upper

130 100

95 95.5 0.0 201.4

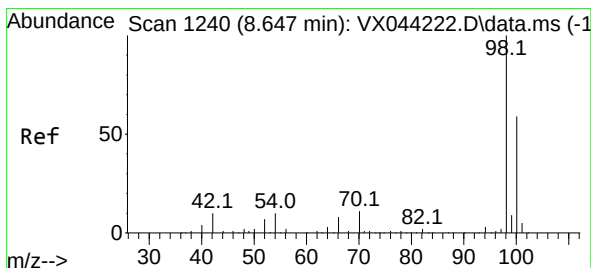
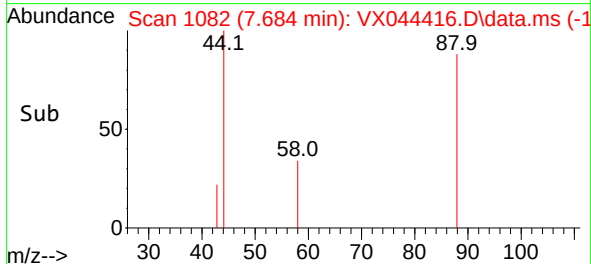
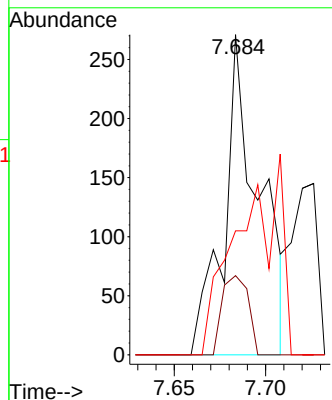
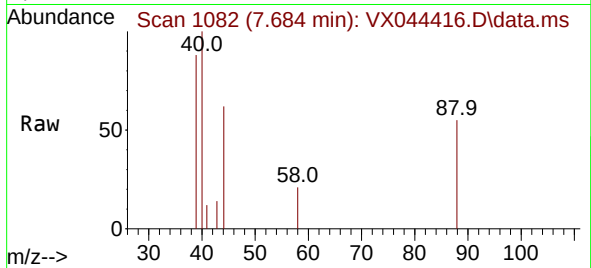




#49
1,4-Dioxane
Concen: 13.648 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

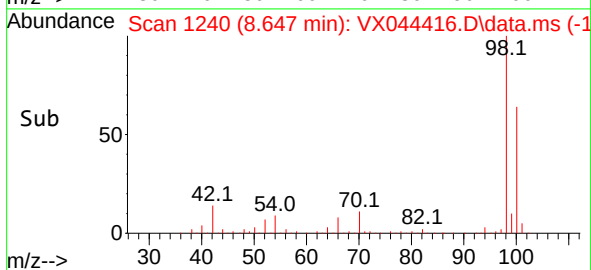
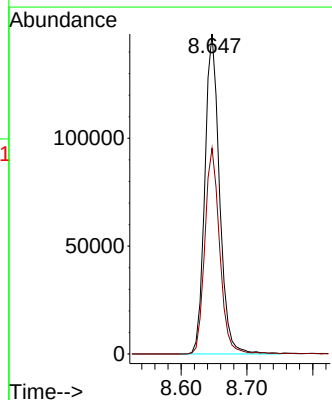
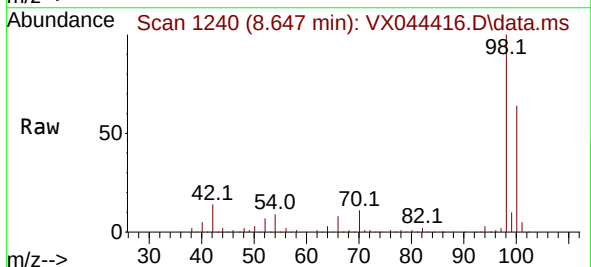
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

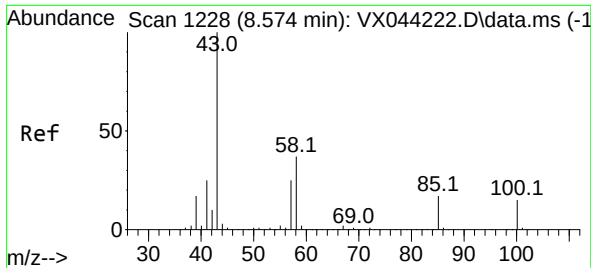
Tgt Ion: 88 Resp: 360
Ion Ratio Lower Upper
88 100
43 18.6 27.1 40.7#
58 0.0 41.0 61.4#



#50
Toluene-d8
Concen: 52.083 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 98 Resp: 230583
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3

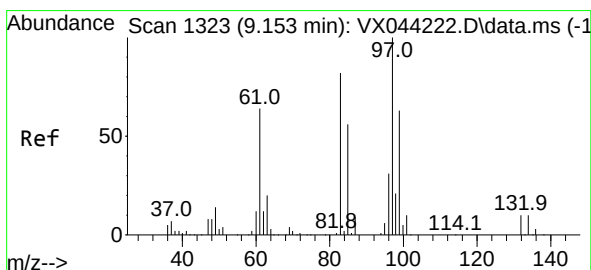
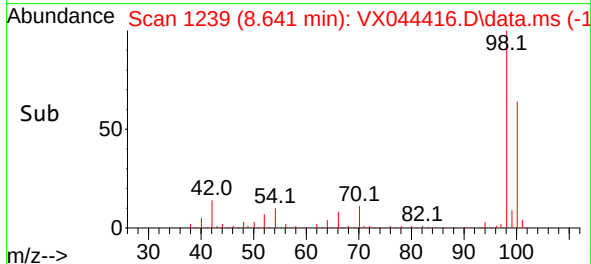
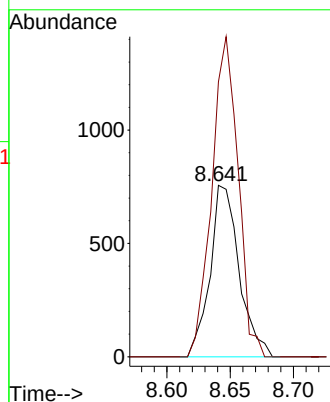
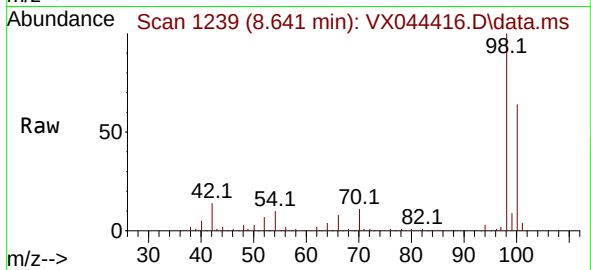




#51
4-Methyl-2-Pentanone
Concen: 0.574 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

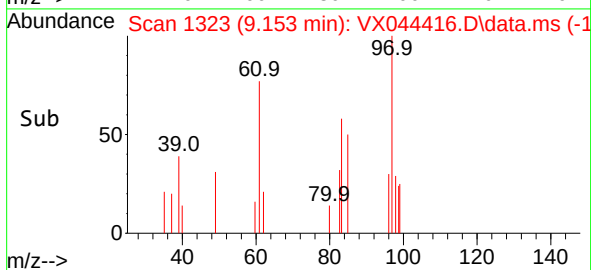
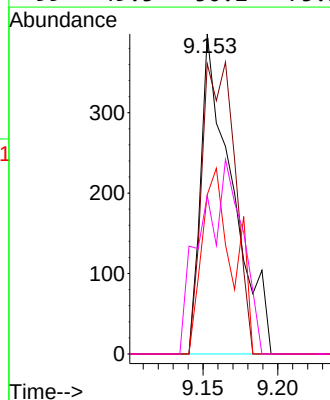
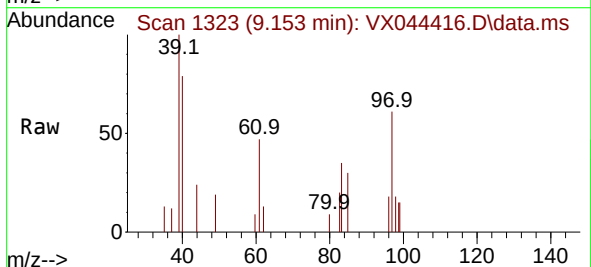
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

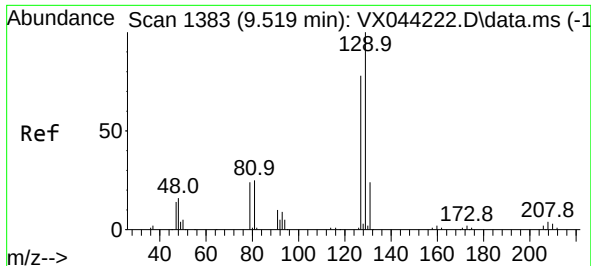
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 169.1 29.4 44.0#



#55
1,1,2-Trichloroethane
Concen: 0.451 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 97 Resp: 580
Ion Ratio Lower Upper
97 100
83 90.7 65.3 97.9
85 49.7 44.6 67.0
99 49.5 50.2 75.2#

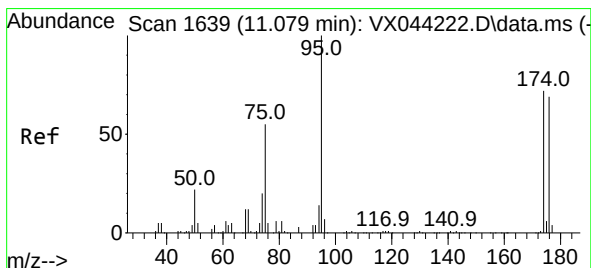
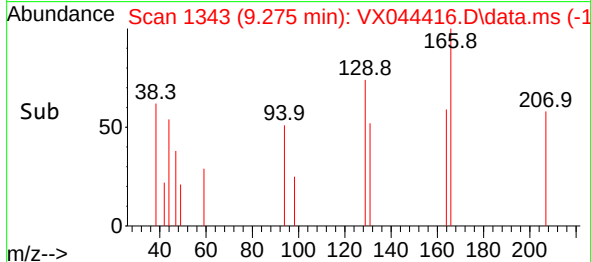
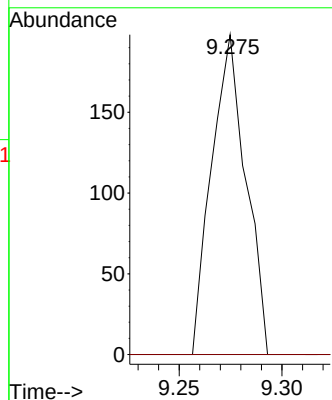
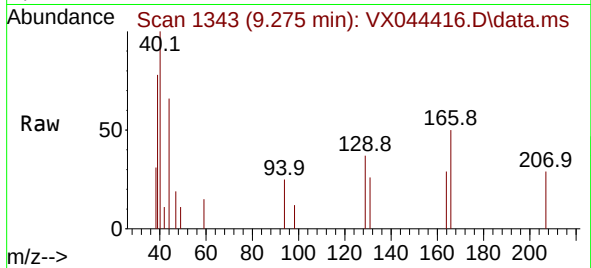




#60
Dibromochloromethane
Concen: 1.404 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

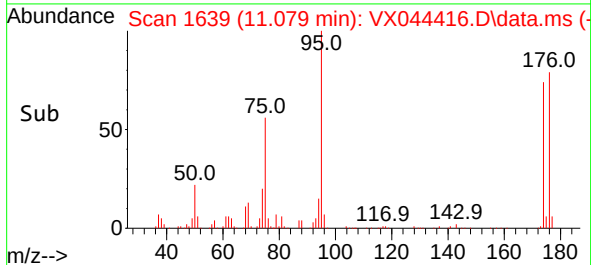
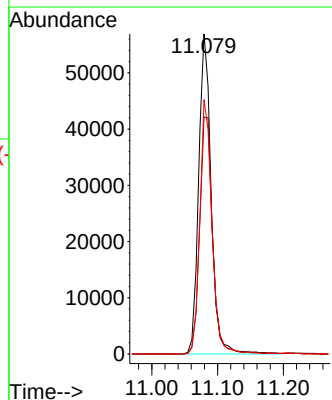
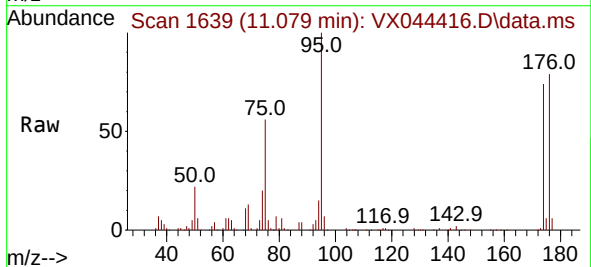
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

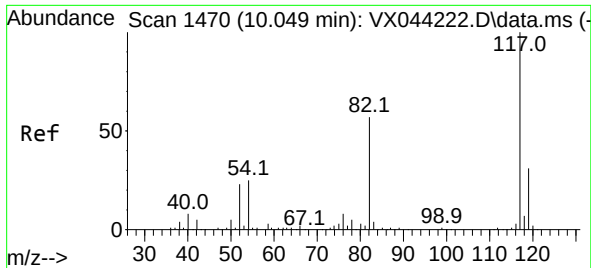
Tgt Ion:129 Resp: 230
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 48.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 95 Resp: 74919
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.8
176 77.7 0.0 137.8

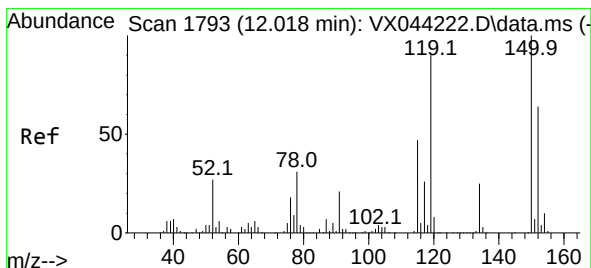
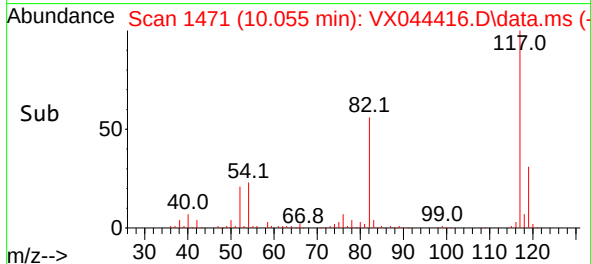
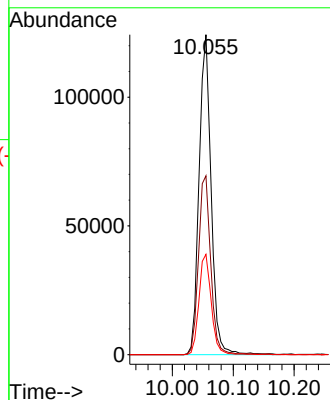
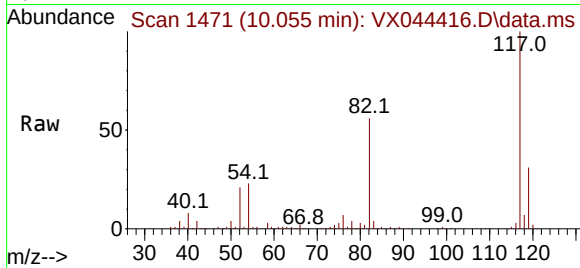




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

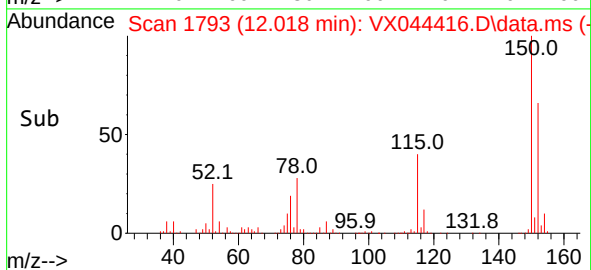
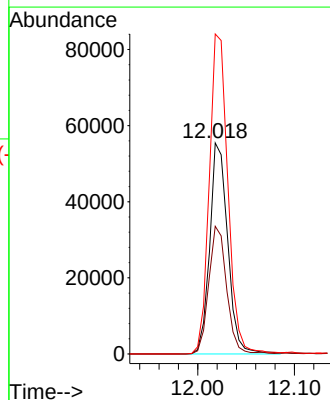
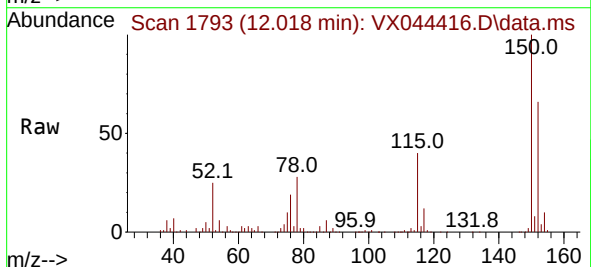
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

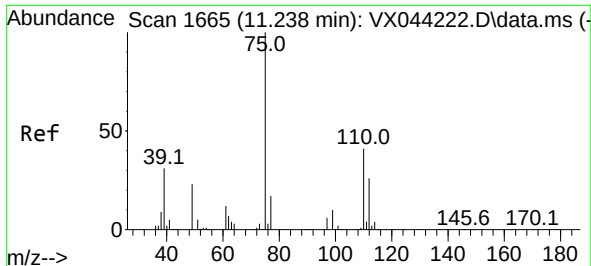
Tgt Ion:117 Resp: 170677
Ion Ratio Lower Upper
117 100
82 55.9 45.8 68.8
119 31.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion:152 Resp: 71901
Ion Ratio Lower Upper
152 100
115 60.2 44.5 133.3
150 157.2 0.0 353.8

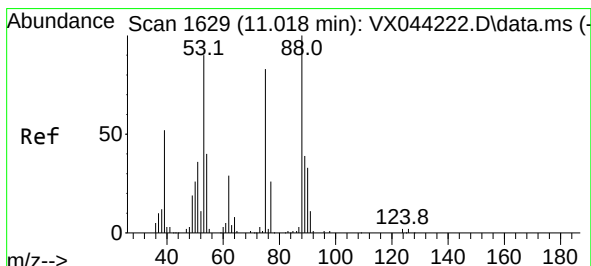
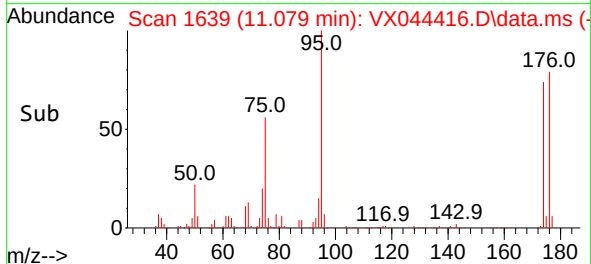
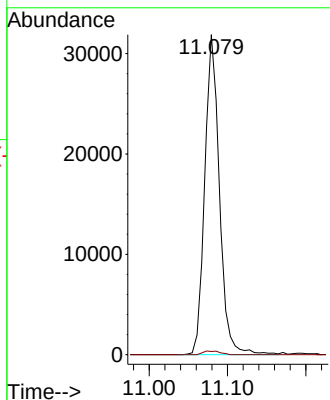
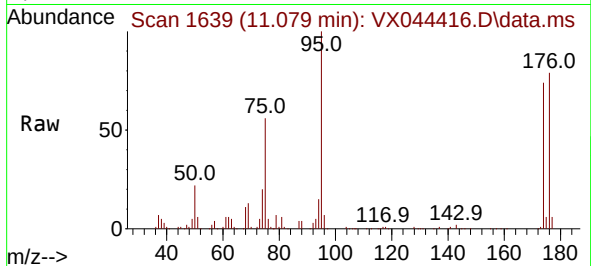




#76
1,2,3-Trichloropropane
Concen: 25.813 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217

Tgt Ion: 75 Resp: 41440
Ion Ratio Lower Upper
75 100
77 1.3 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04 am

Tgt Ion: 75 Resp: 41440
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.2 37.3 55.9#

