

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044473.D
 Acq On : 23 Dec 2024 12:35
 Operator : JC/MD
 Sample : P5317-21 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20241217

Quant Time: Dec 23 21:54:44 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)

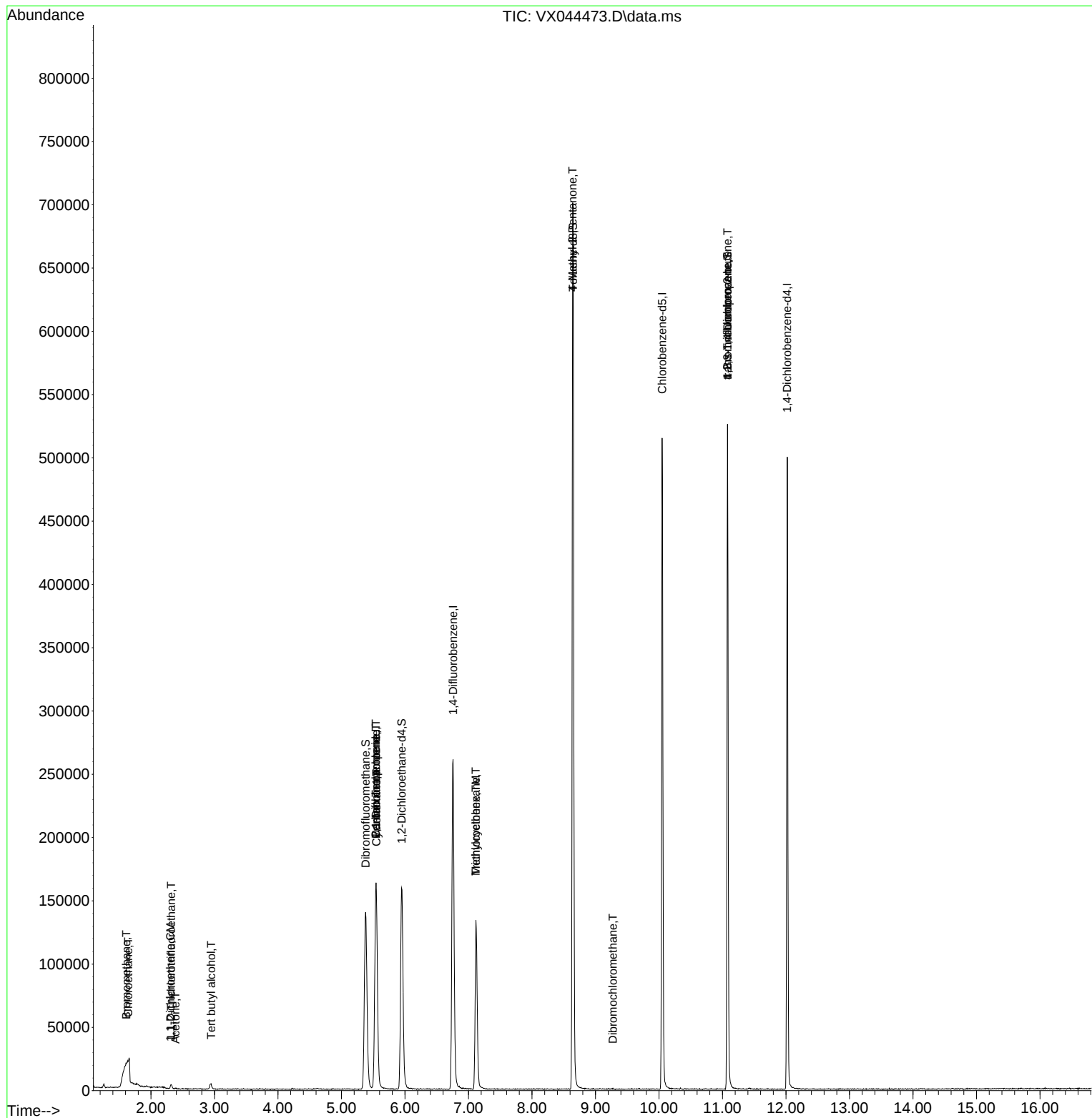
Internal Standards						
1) Pentafluorobenzene	5.544	168	158039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	228761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155293	56.043	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.080%		
35) Dibromofluoromethane	5.379	113	119456	63.713	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 127.420%#		
50) Toluene-d8	8.647	98	432440	68.365	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 136.740%#		
62) 4-Bromofluorobenzene	11.079	95	134055	60.651	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 121.300%#		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	390	0.226	ug/l #	58
6) Chloroethane	1.642	64	385	0.254	ug/l #	72
9) 1,1,2-Trichlorotrifluo...	2.319	101	1032	0.535	ug/l	86
11) Tert butyl alcohol	2.947	59	2234	5.721	ug/l #	71
12) 1,1-Dichloroethene	2.307	96	360	0.203	ug/l #	50
16) Acetone	2.386	43	406	0.359	ug/l #	48
31) Cyclohexane	5.550	56	3647	1.219	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	12869	5.310	ug/l #	50
38) Carbon Tetrachloride	5.544	117	16797	6.438	ug/l #	16
39) Methylcyclohexane	7.117	83	585	0.202	ug/l #	1
44) Trichloroethene	7.117	130	52049	28.365	ug/l	97
51) 4-Methyl-2-Pentanone	8.641	43	2023	0.672	ug/l #	1
60) Dibromochloromethane	9.275	129	124	1.296	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	72961	33.006	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72961	89.606	ug/l #	4

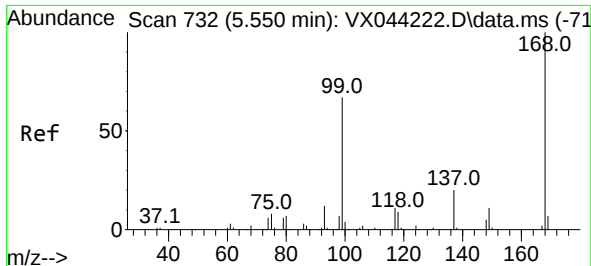
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

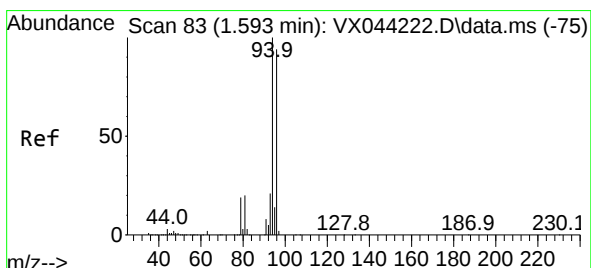
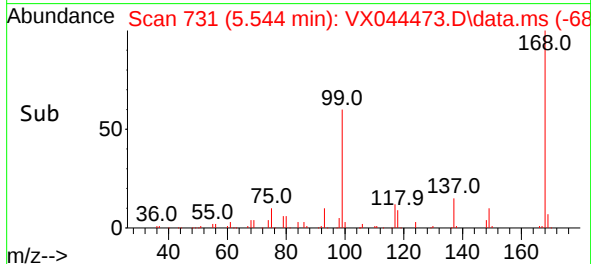
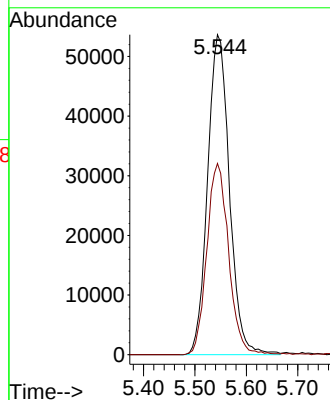
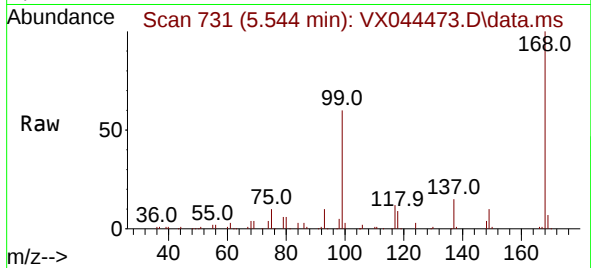




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

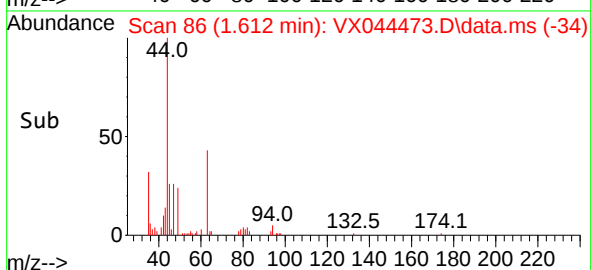
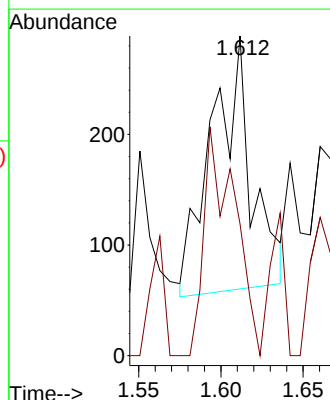
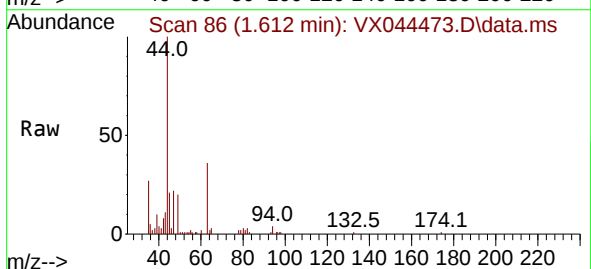
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

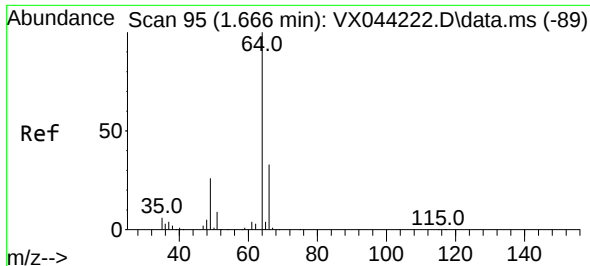
Tgt Ion:168 Resp: 158039
Ion Ratio Lower Upper
168 100
99 59.7 53.4 80.0



#5
Bromomethane
Concen: 0.226 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

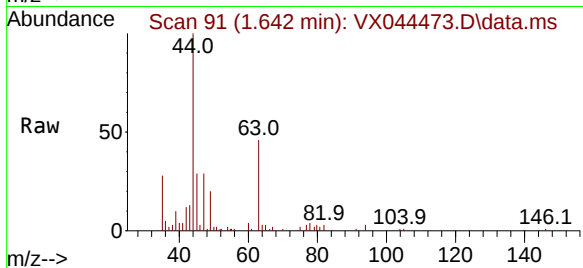
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 53.1 74.9 112.3#



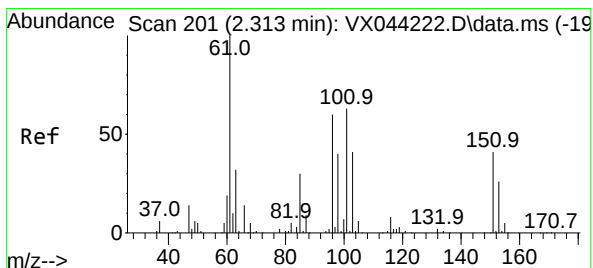
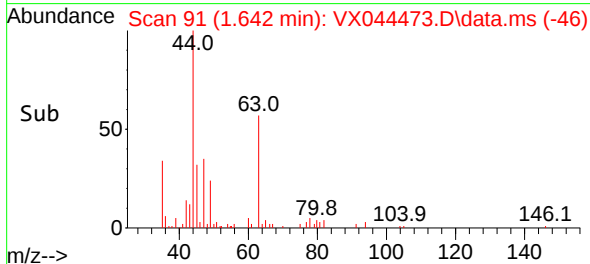
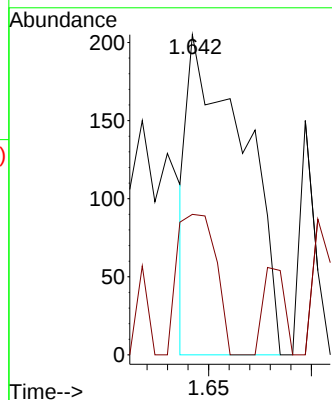


#6
Chloroethane
Concen: 0.254 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

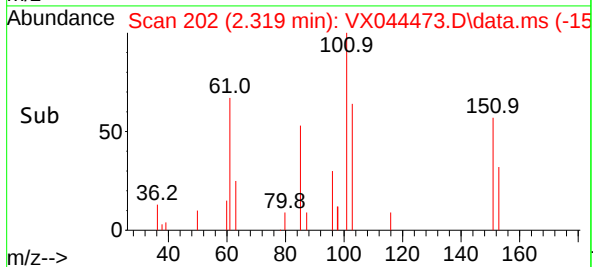
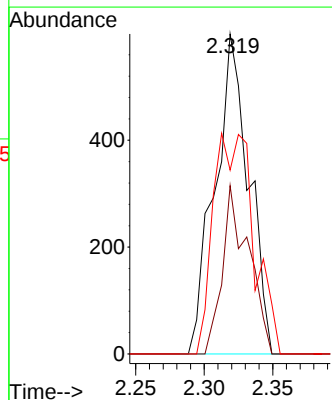
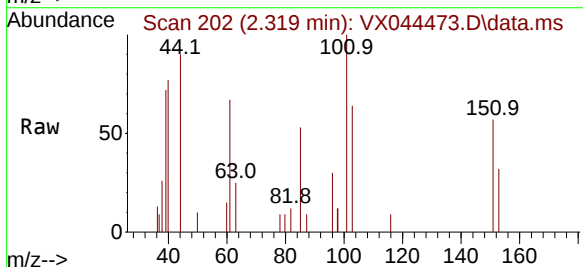


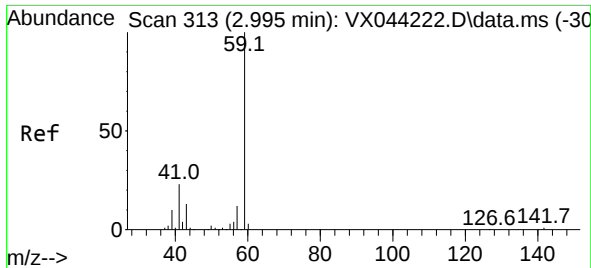
Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 17.6 26.6 39.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.535 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 101 Resp: 1032
Ion Ratio Lower Upper
101 100
85 40.8 38.5 57.7
151 82.7 55.8 83.6

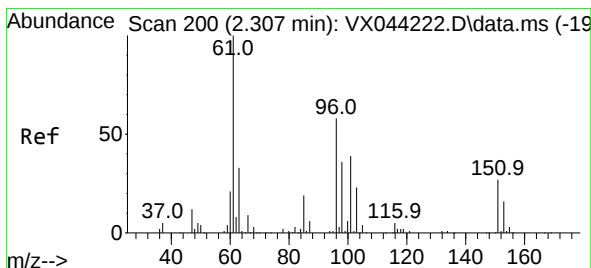
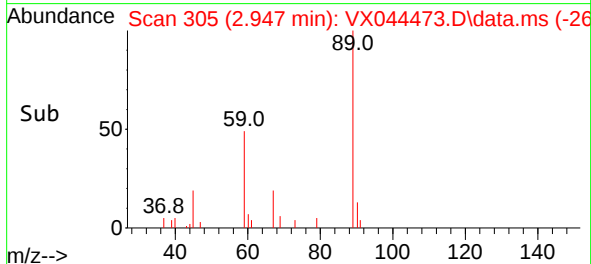
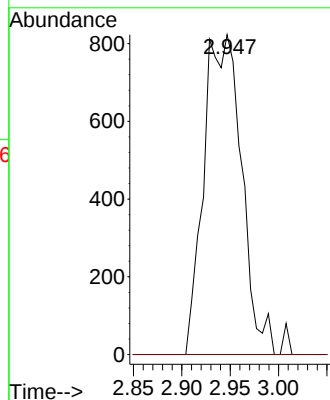
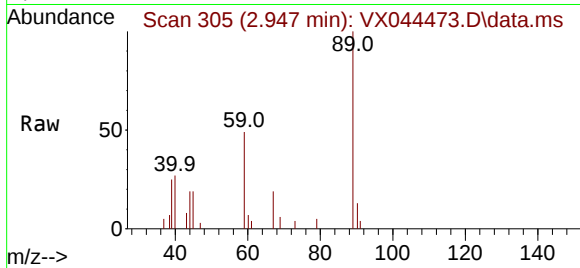




#11
Tert butyl alcohol
Concen: 5.721 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

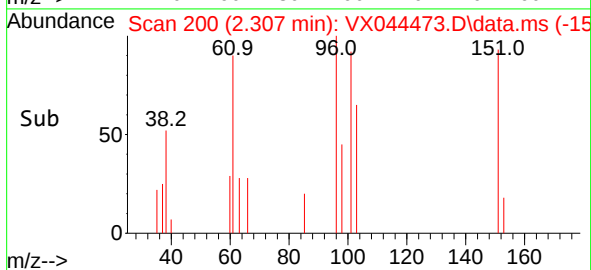
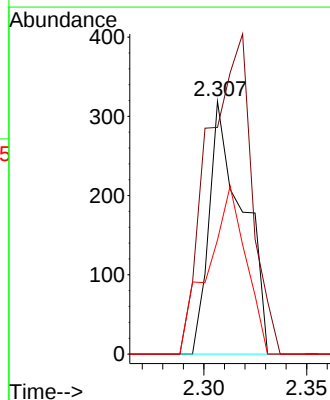
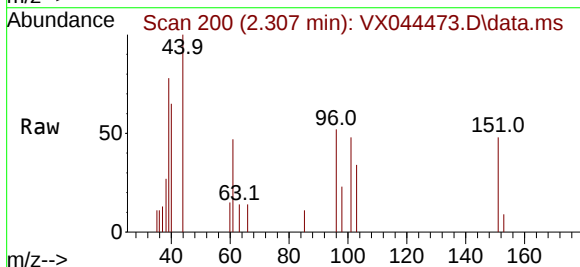
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

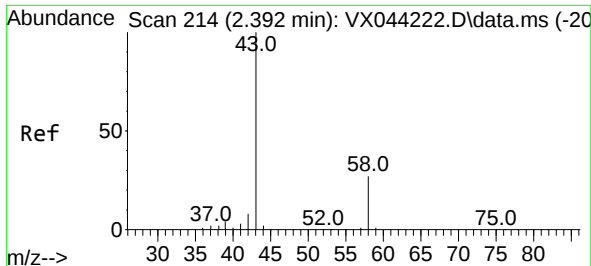
Tgt Ion: 59 Resp: 2234
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.203 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 96 Resp: 360
Ion Ratio Lower Upper
96 100
61 89.7 138.0 207.0#
98 45.1 50.0 75.0#

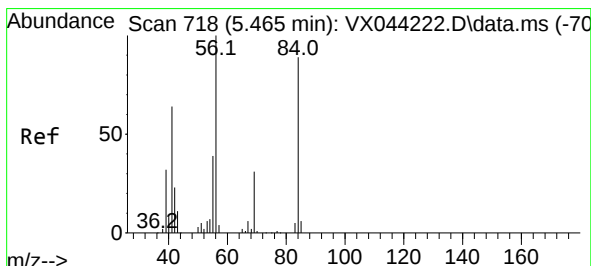
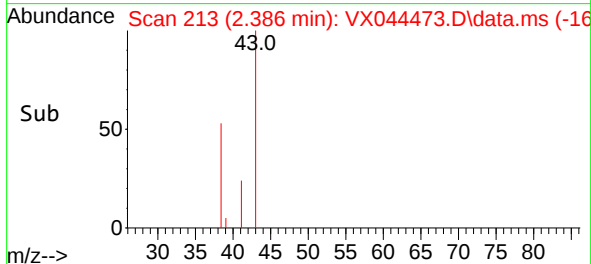
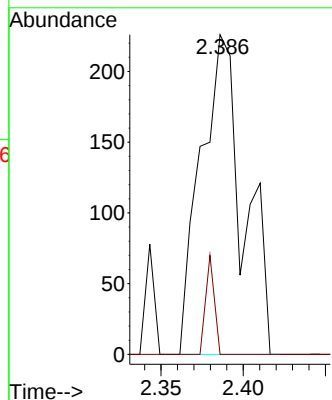
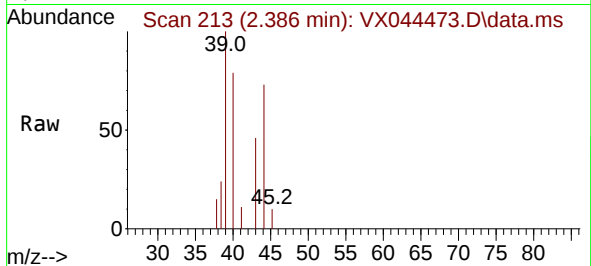




#16
Acetone
Concen: 0.359 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

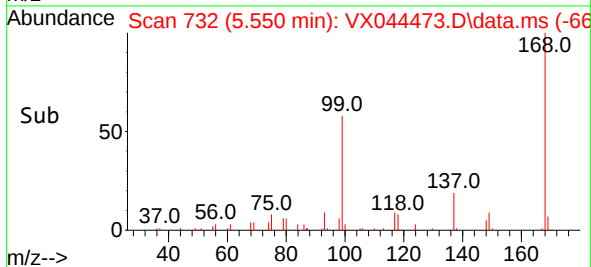
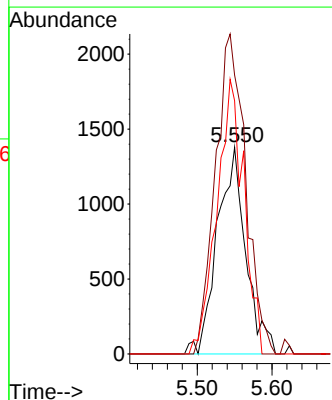
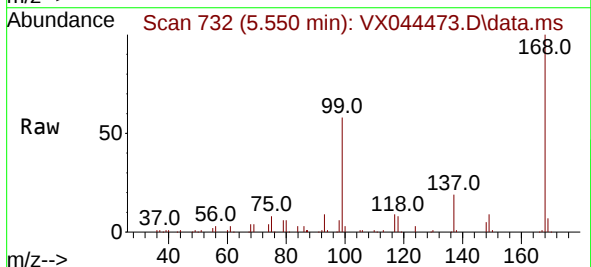
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

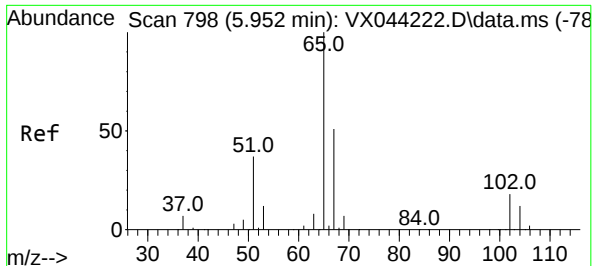
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 56 Resp: 3647
Ion Ratio Lower Upper
56 100
69 135.0 24.7 37.1#
84 122.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 56.043 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044473.D

Acq: 23 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

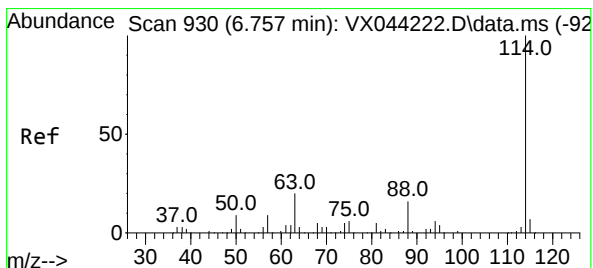
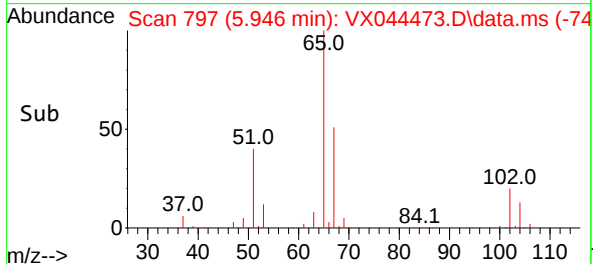
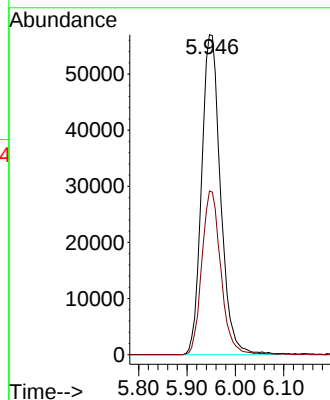
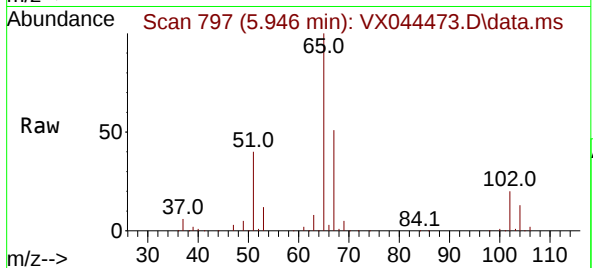
RE132D6-20241217

Tgt Ion: 65 Resp: 155293

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044473.D

Acq: 23 Dec 2024 12:35

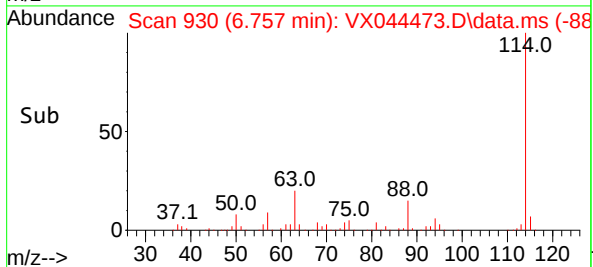
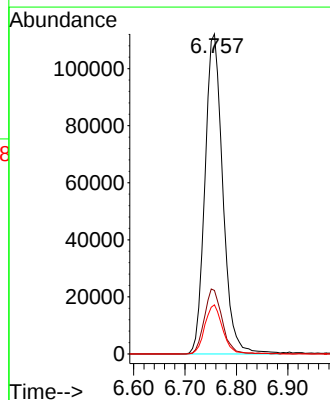
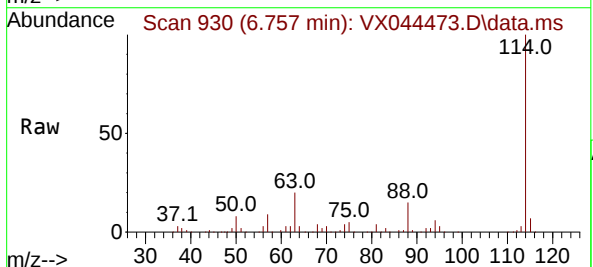
Tgt Ion: 114 Resp: 270710

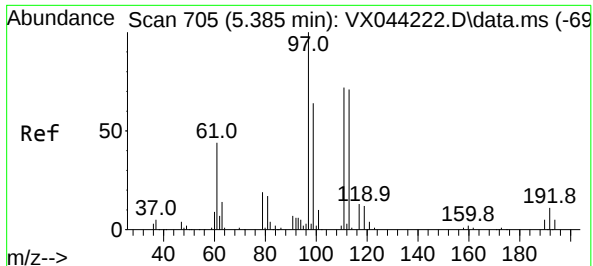
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

88 15.4 0.0 31.8

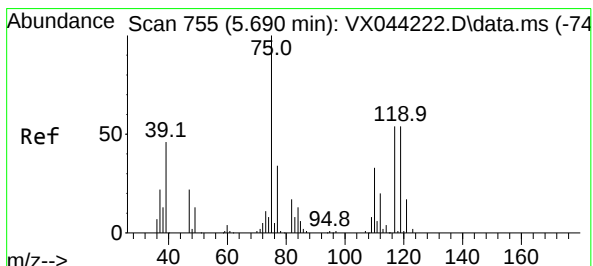
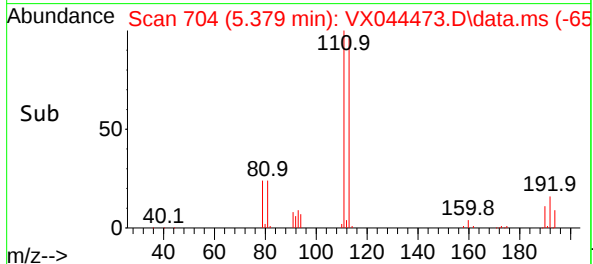
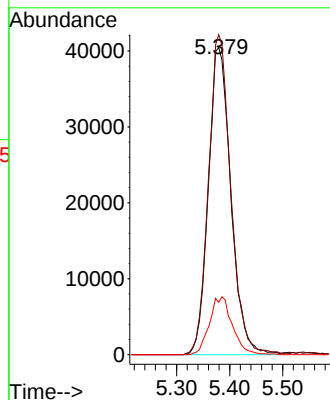
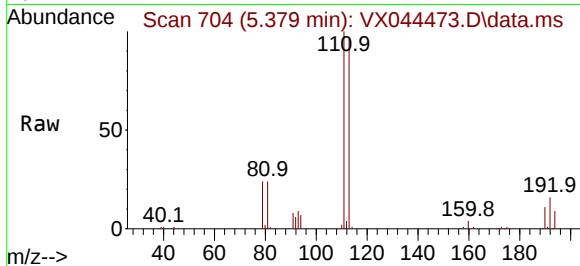




#35
Dibromofluoromethane
Concen: 63.713 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

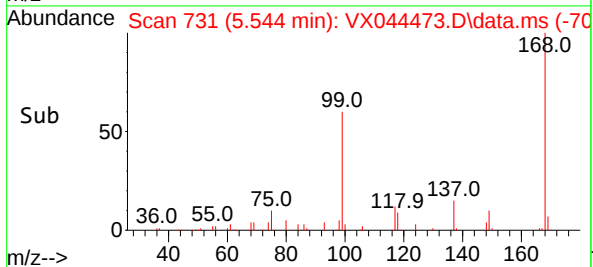
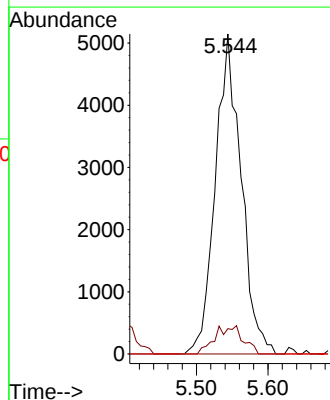
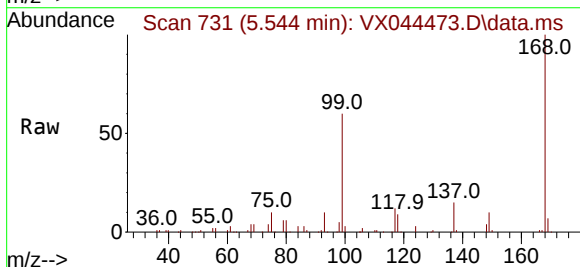
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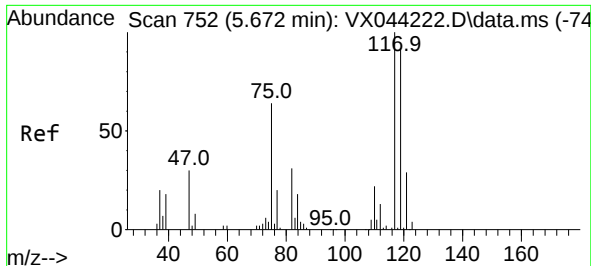
Tgt Ion:113 Resp: 119456
Ion Ratio Lower Upper
113 100
111 103.1 80.4 120.6
192 19.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.310 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

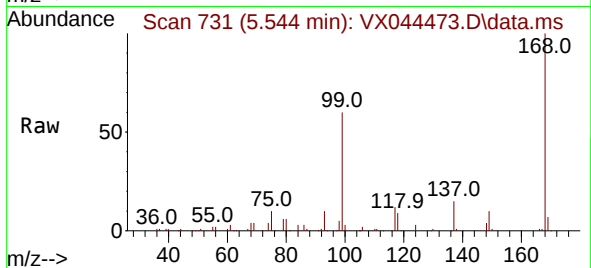
Tgt Ion: 75 Resp: 12869
Ion Ratio Lower Upper
75 100
110 9.5 17.3 51.7#
77 0.0 25.4 38.0#



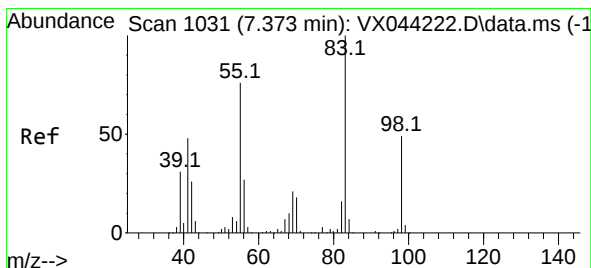
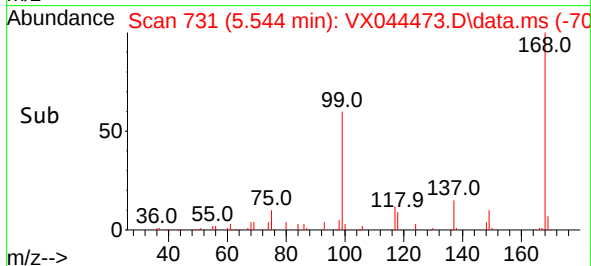
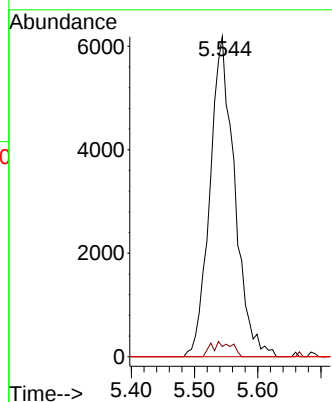


#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

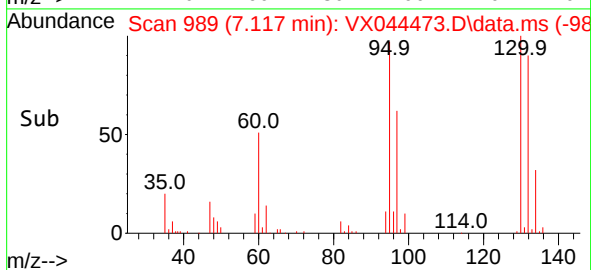
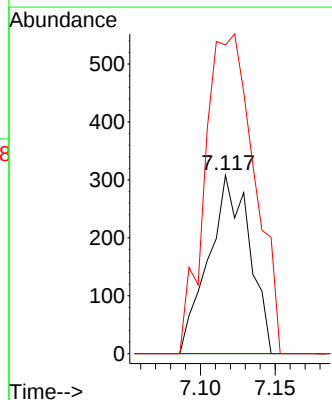
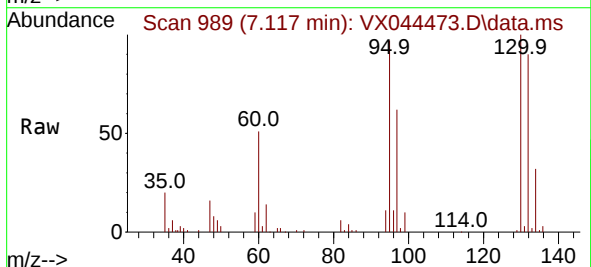


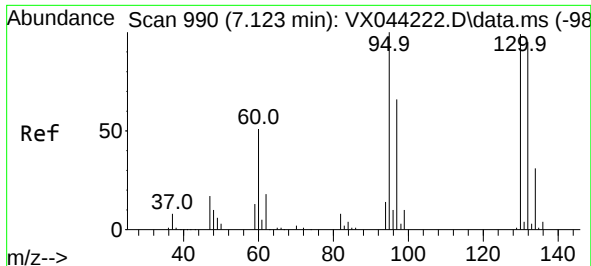
Tgt Ion:117 Resp: 16797
Ion Ratio Lower Upper
117 100
119 3.2 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.202 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 83 Resp: 585
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 173.1 38.9 58.3#

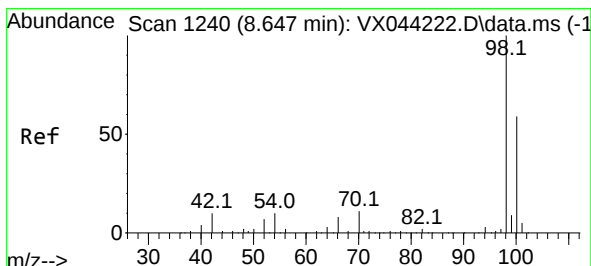
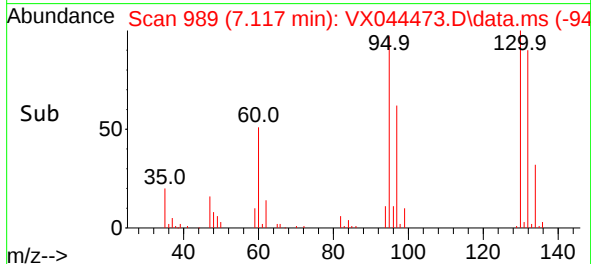
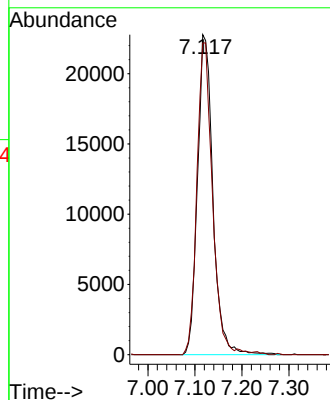
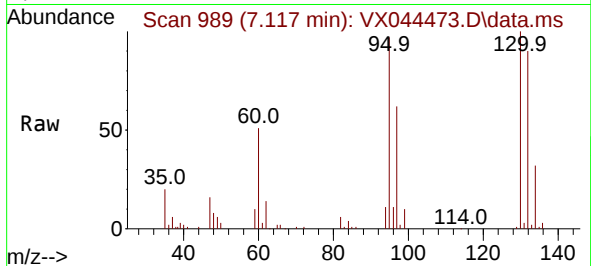




#44
Trichloroethene
Concen: 28.365 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

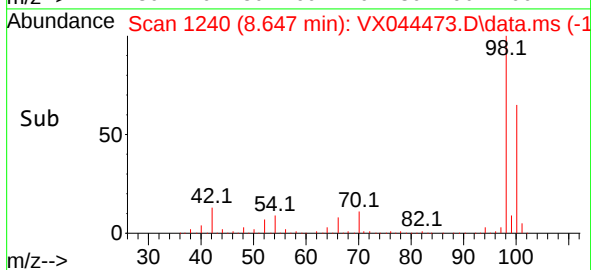
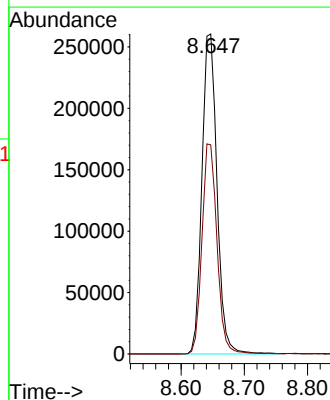
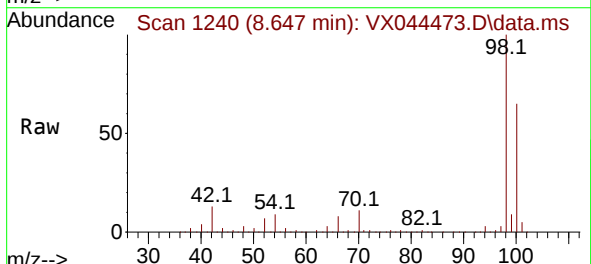
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

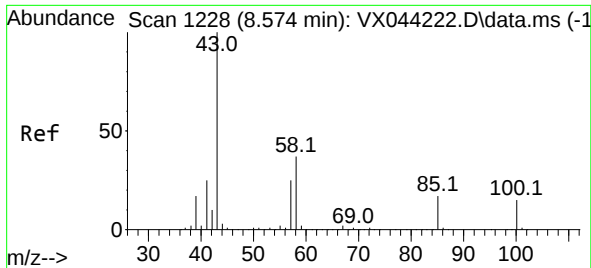
Tgt Ion:130 Resp: 52049
Ion Ratio Lower Upper
130 100
95 97.4 0.0 201.4



#50
Toluene-d8
Concen: 68.365 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 98 Resp: 432440
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3

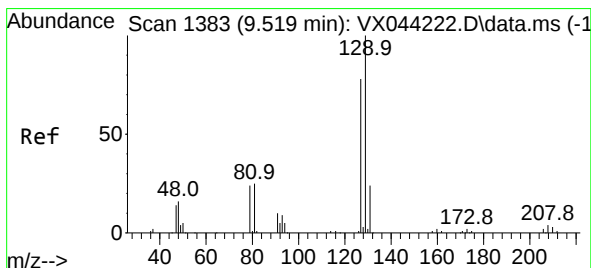
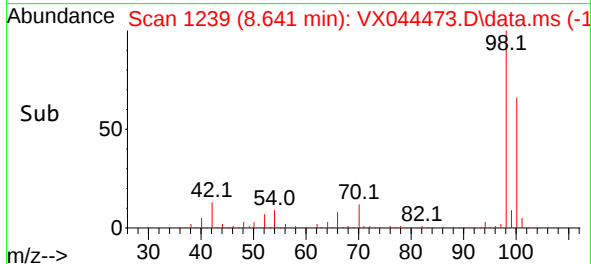
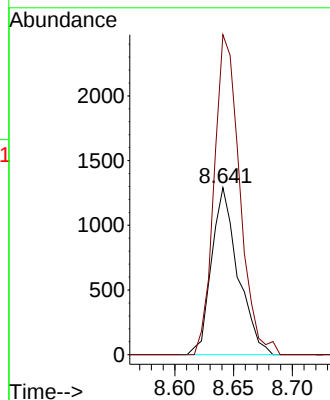
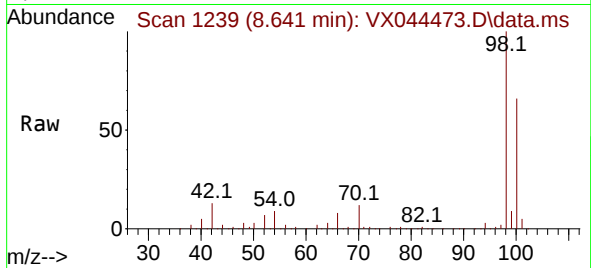




#51
4-Methyl-2-Pentanone
Concen: 0.672 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

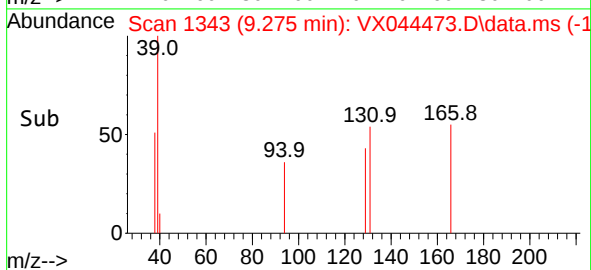
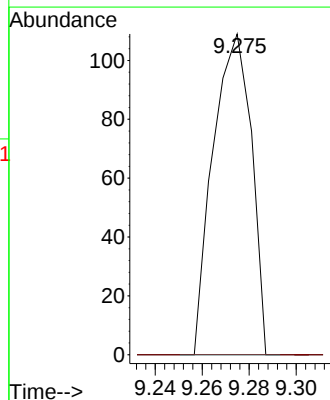
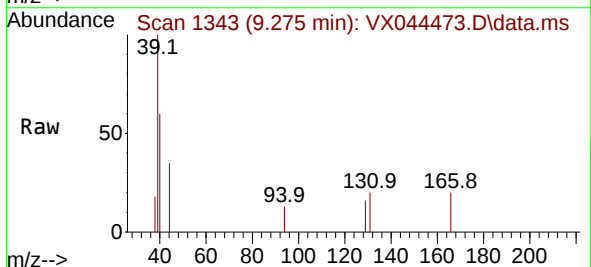
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20241217

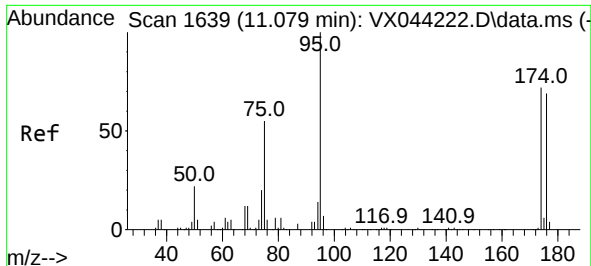
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
58 185.4 29.4 44.0#



#60
Dibromochloromethane
Concen: 1.296 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX044473.D
Acq: 23 Dec 2024 12:35

Tgt Ion: 129 Resp: 124
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 60.651 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044473.D

Acq: 23 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20241217

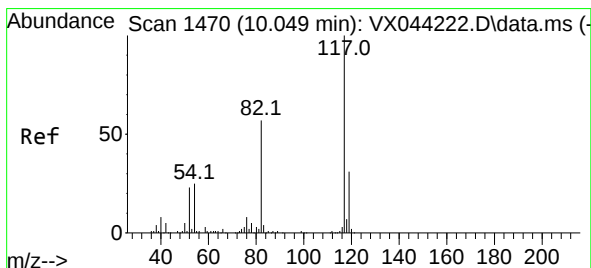
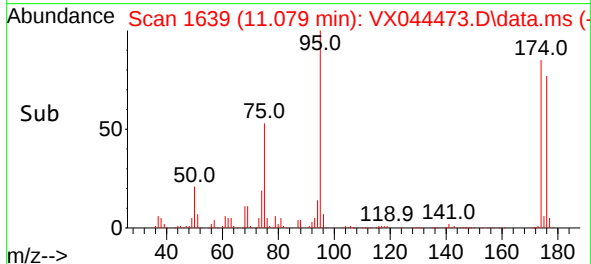
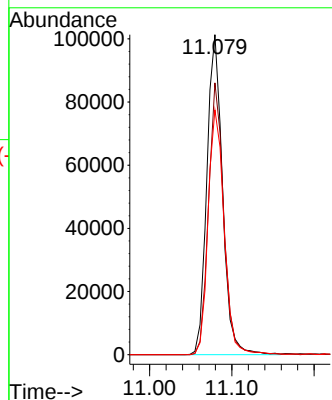
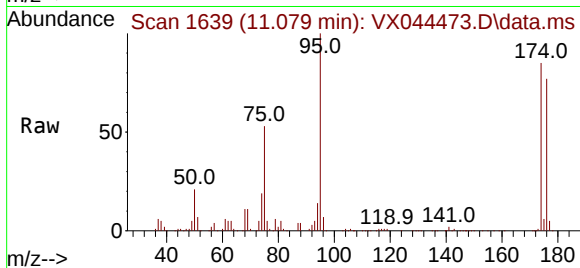
Tgt Ion: 95 Resp: 134055

Ion Ratio Lower Upper

95 100

174 83.0 0.0 145.8

176 78.2 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044473.D

Acq: 23 Dec 2024 12:35

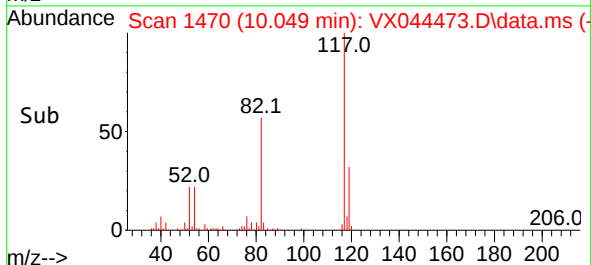
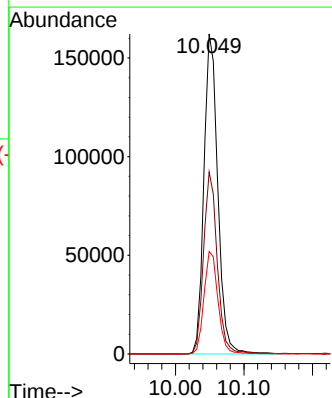
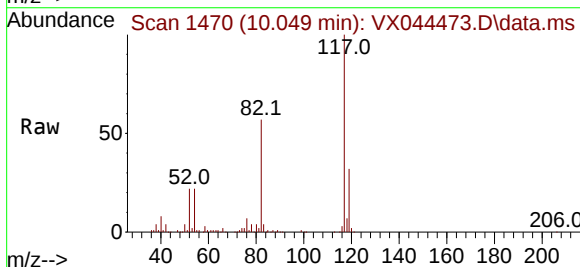
Tgt Ion: 117 Resp: 228761

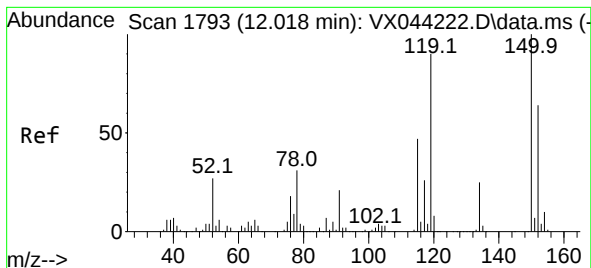
Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

119 32.0 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044473.D

Acq: 23 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20241217

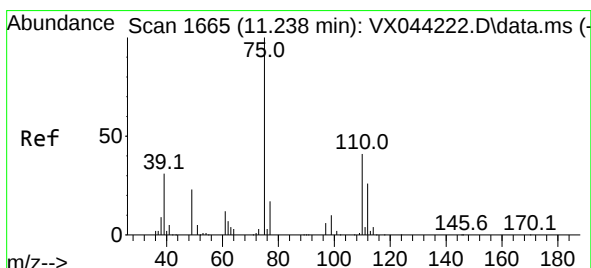
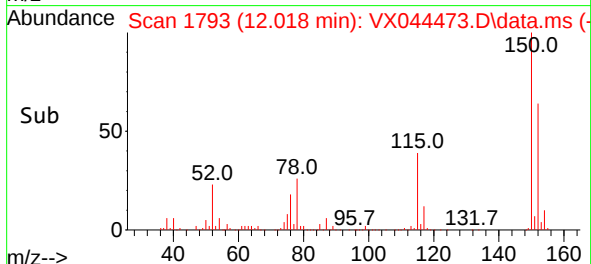
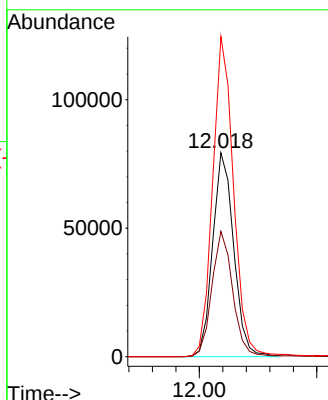
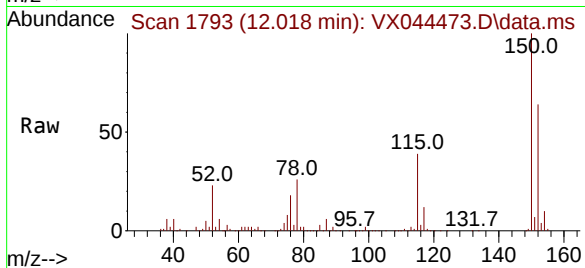
Tgt Ion:152 Resp: 99004

Ion Ratio Lower Upper

152 100

115 61.5 44.5 133.3

150 156.2 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 33.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044473.D

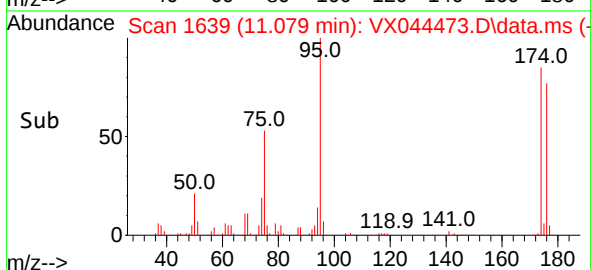
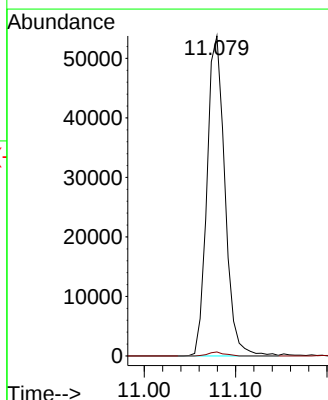
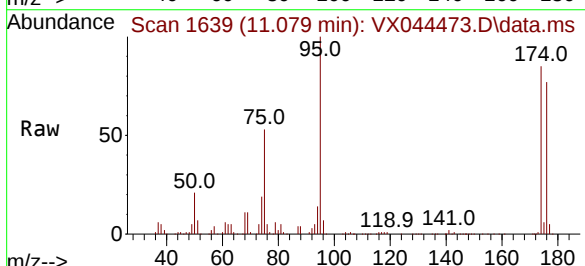
Acq: 23 Dec 2024 12:35

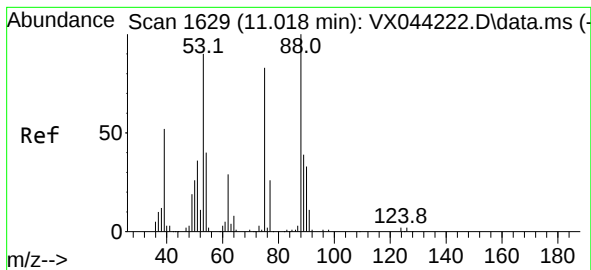
Tgt Ion: 75 Resp: 72961

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.606 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX044473.D
 Acq: 23 Dec 2024 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20241217

Tgt Ion: 75 Resp: 72961
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

