

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
 Data File : VX044331.D
 Acq On : 16 Dec 2024 18:03
 Operator : JC/MD
 Sample : P5261-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 00:54:19 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)

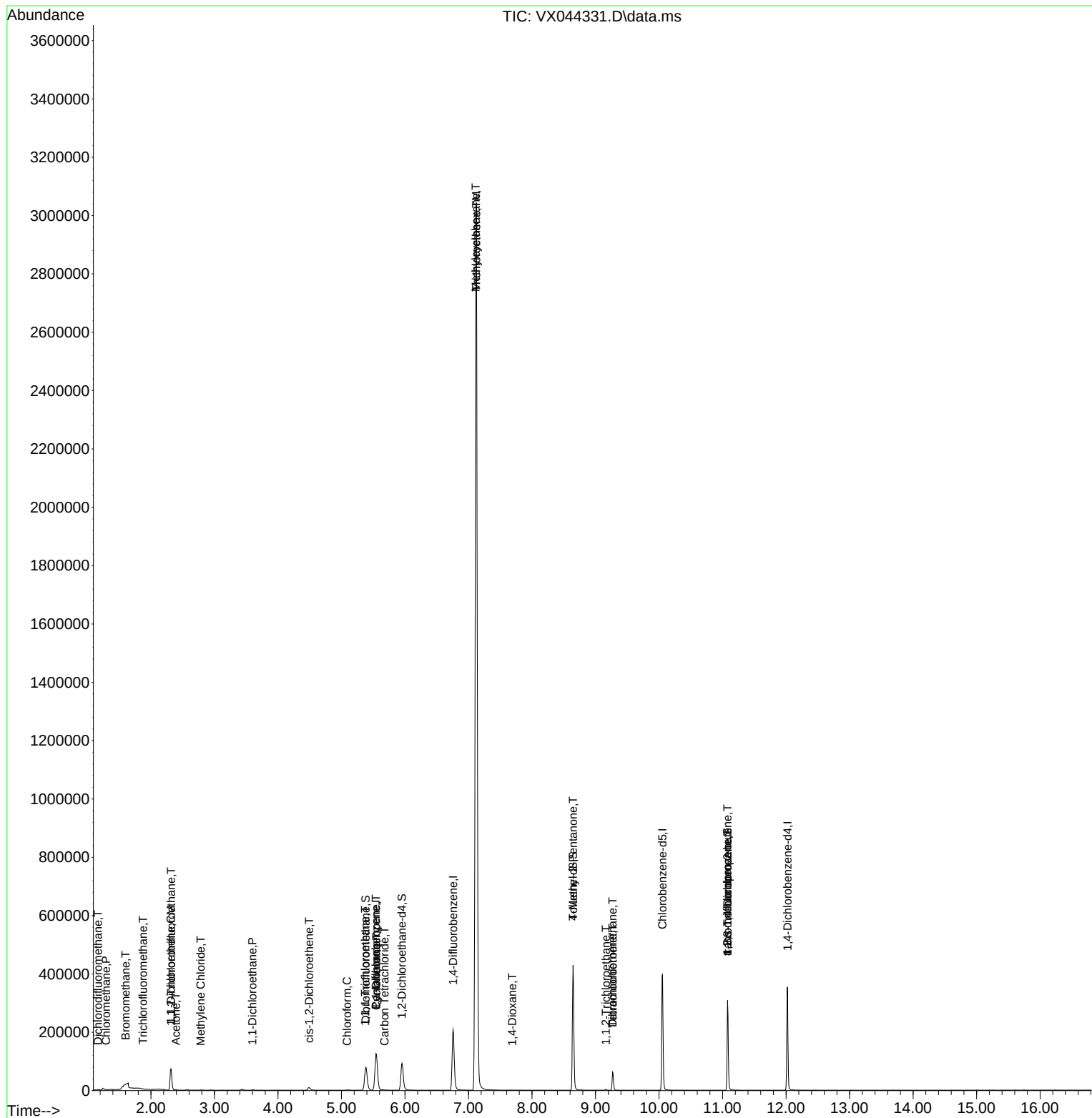
Internal Standards						
1) Pentafluorobenzene	5.544	168	111398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206459	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90506	46.338	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.680%
35) Dibromofluoromethane	5.379	113	67419	47.149	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.300%
50) Toluene-d8	8.647	98	247511	51.307	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	79560	47.198	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	420	0.244	ug/l	88
3) Chloromethane	1.294	50	412	0.250	ug/l #	42
5) Bromomethane	1.599	94	283	0.232	ug/l #	3
7) Trichlorofluoromethane	1.874	101	762	0.227	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	20522	15.096	ug/l	98
12) 1,1-Dichloroethene	2.313	96	8649	6.927	ug/l	83
16) Acetone	2.392	43	971	1.219	ug/l #	48
20) Methylene Chloride	2.782	84	375	0.251	ug/l #	79
24) 1,1-Dichloroethane	3.599	63	2339	0.896	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	6260	3.714	ug/l	83
30) Chloroform	5.086	83	807	0.275	ug/l #	75
31) Cyclohexane	5.550	56	3097	1.469	ug/l #	49
32) 1,1,1-Trichloroethane	5.373	97	781	0.321	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	9991	5.405	ug/l #	51
38) Carbon Tetrachloride	5.678	117	713	0.358	ug/l #	68
39) Methylcyclohexane	7.117	83	14465	6.546	ug/l #	1
44) Trichloroethene	7.123	130	1117893	798.799	ug/l	96
49) 1,4-Dioxane	7.690	88	382	13.291	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	1186	0.517	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	844	0.603	ug/l #	68
60) Dibromochloromethane	9.269	129	11137	8.840	ug/l #	11
64) Tetrachloroethene	9.269	164	10756	9.092	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	43296	27.630	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43296	75.919	ug/l #	4

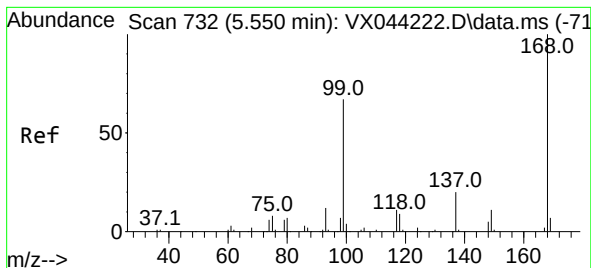
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 00:54:19 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

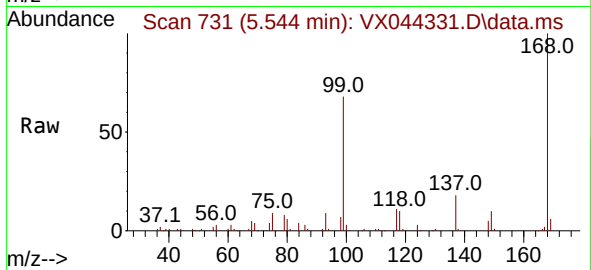
Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

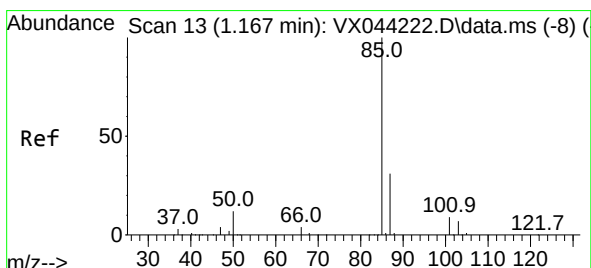
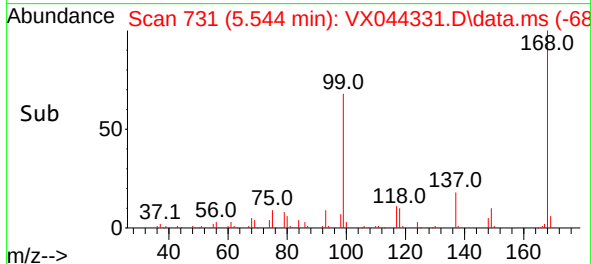
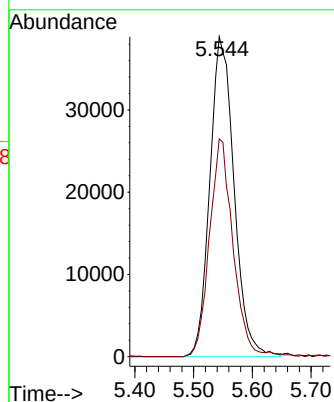


Tgt Ion:168 Resp: 111398

Ion Ratio Lower Upper

168 100

99 68.0 53.4 80.0



#2

Dichlorodifluoromethane

Concen: 0.244 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044331.D

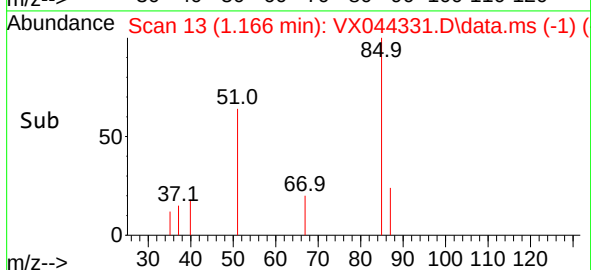
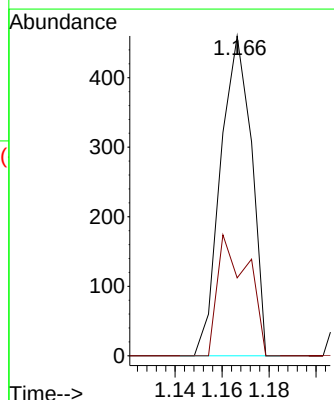
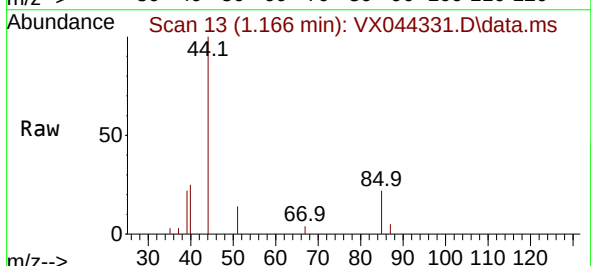
Acq: 16 Dec 2024 18:03

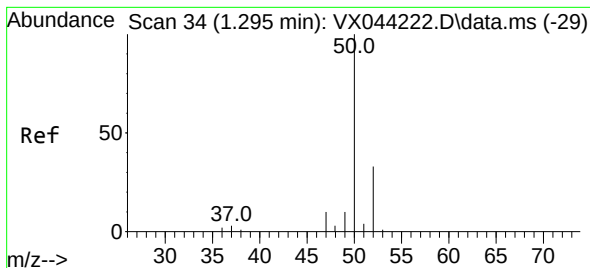
Tgt Ion: 85 Resp: 420

Ion Ratio Lower Upper

85 100

87 24.3 15.4 46.4





#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

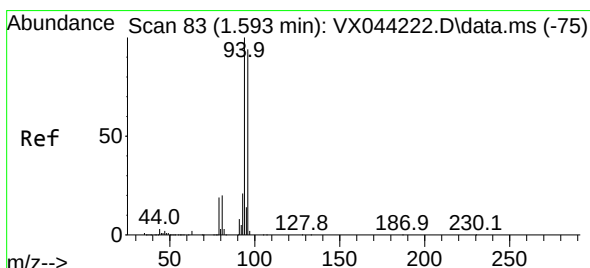
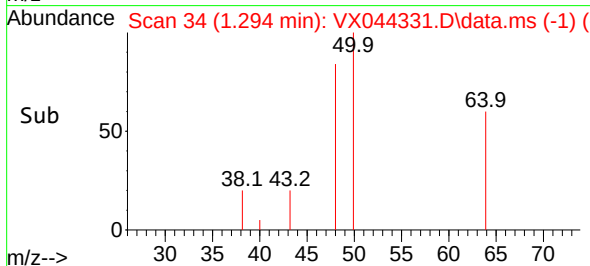
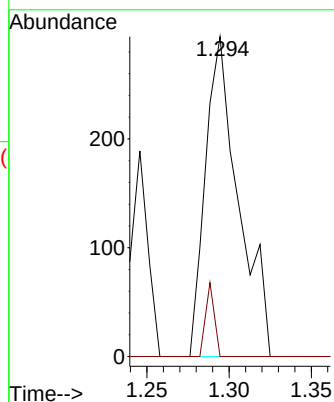
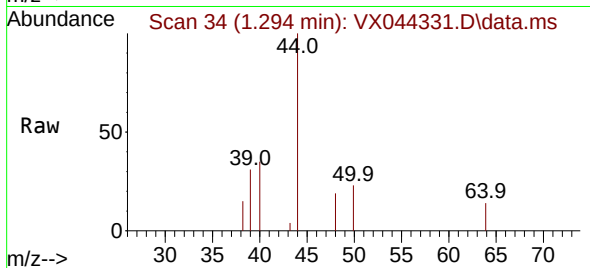
ClientSampleId :

Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX044331.D

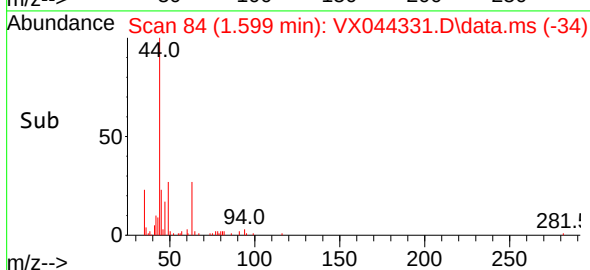
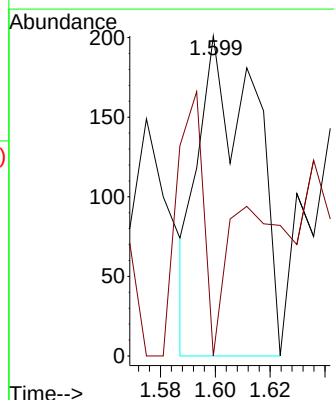
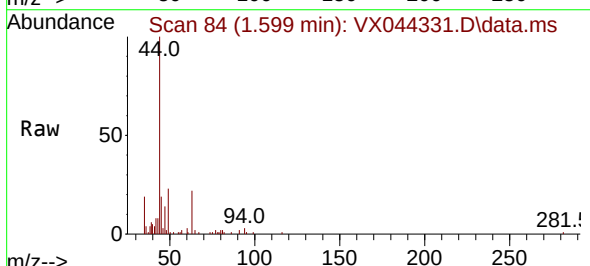
Acq: 16 Dec 2024 18:03

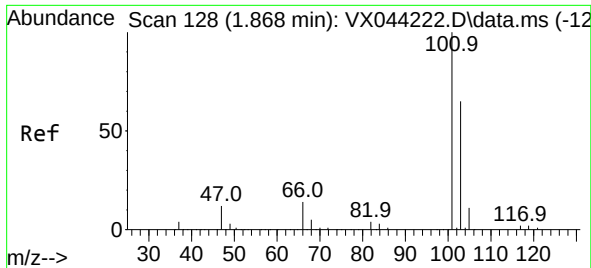
Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#

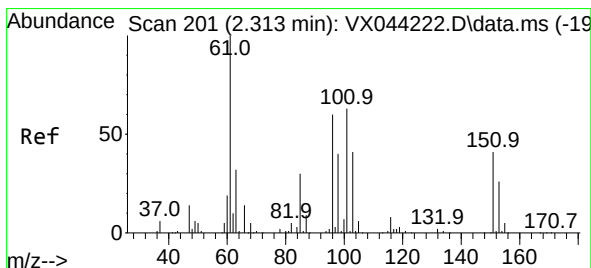
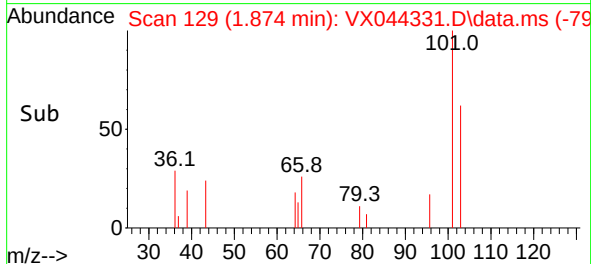
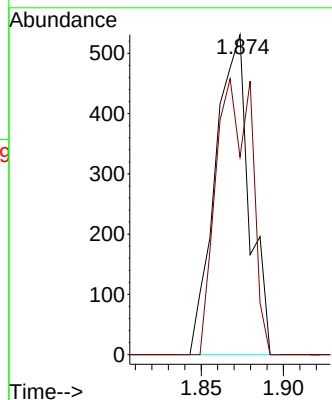
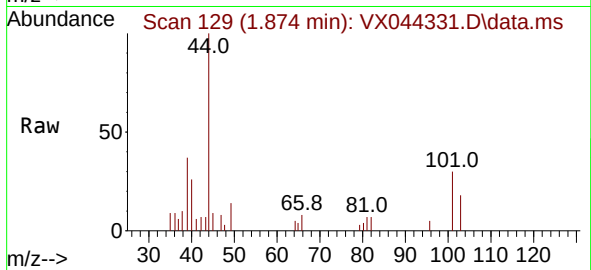




#7
Trichlorofluoromethane
Concen: 0.227 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

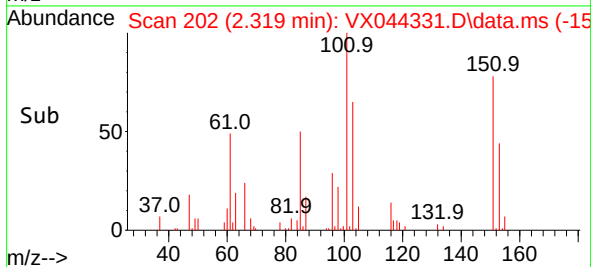
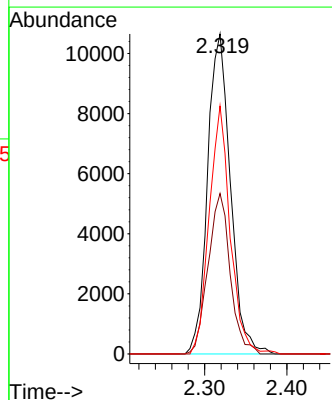
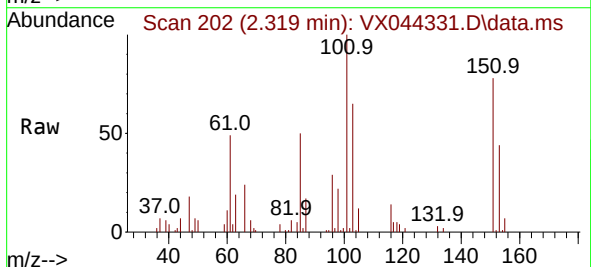
Instrument :
MSVOA_X
ClientSampleId :

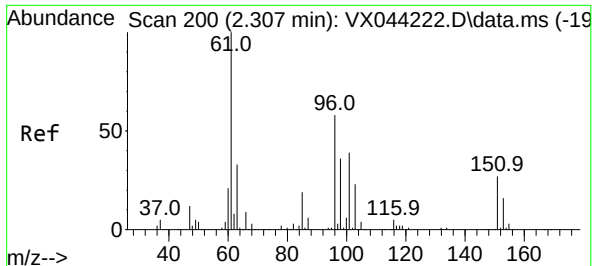
Tgt Ion:101 Resp: 762
Ion Ratio Lower Upper
101 100
103 61.8 51.8 77.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.096 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion:101 Resp: 20522
Ion Ratio Lower Upper
101 100
85 48.6 38.5 57.7
151 71.6 55.8 83.6





#12

1,1-Dichloroethene

Concen: 6.927 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

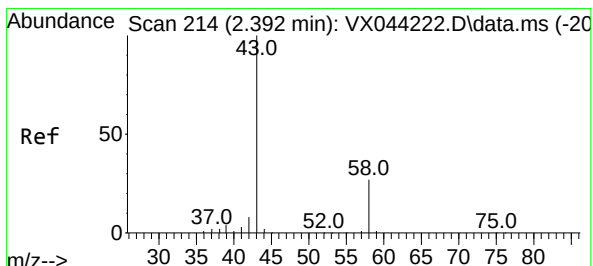
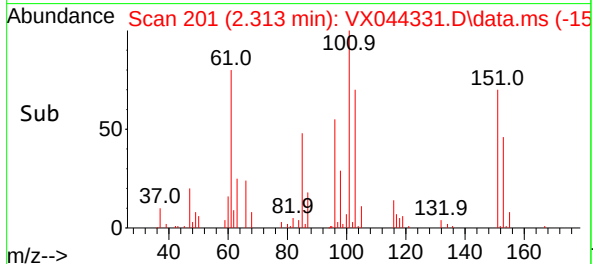
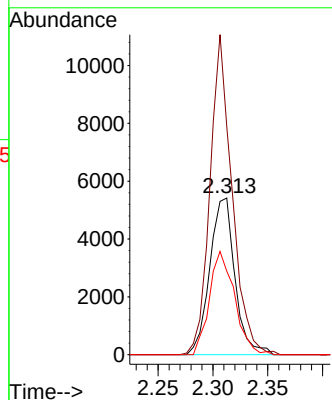
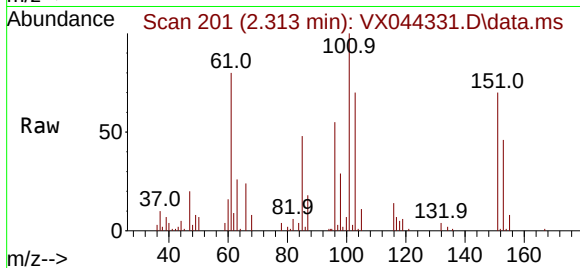
Tgt Ion: 96 Resp: 8649

Ion Ratio Lower Upper

96 100

61 145.7 138.0 207.0

98 53.3 50.0 75.0



#16

Acetone

Concen: 1.219 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX044331.D

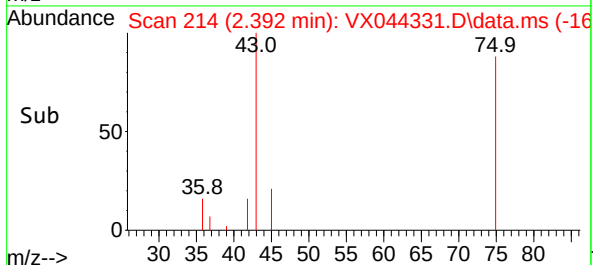
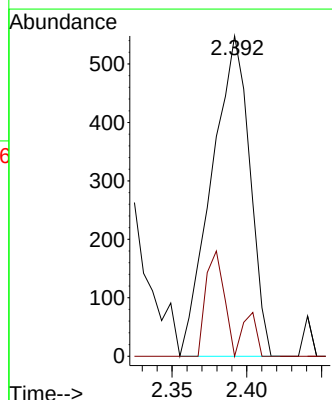
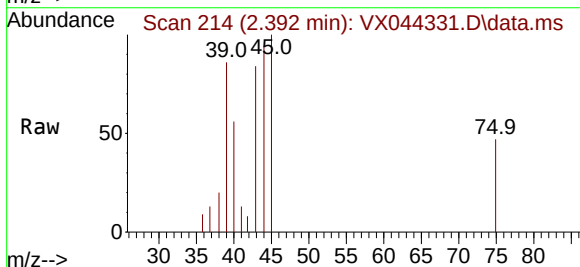
Acq: 16 Dec 2024 18:03

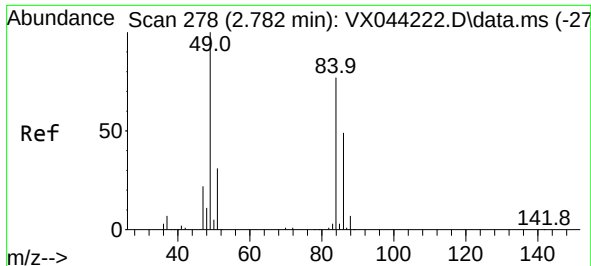
Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

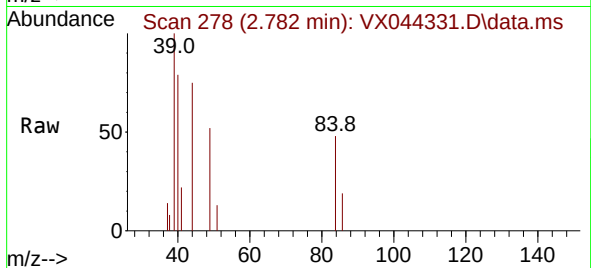
58 0.0 21.6 32.4#



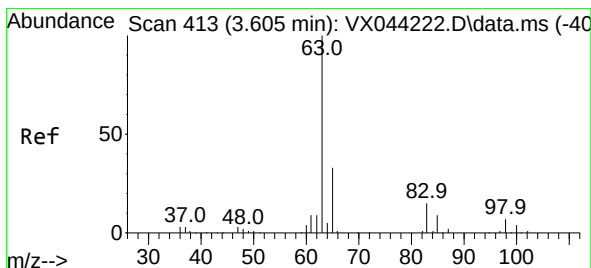
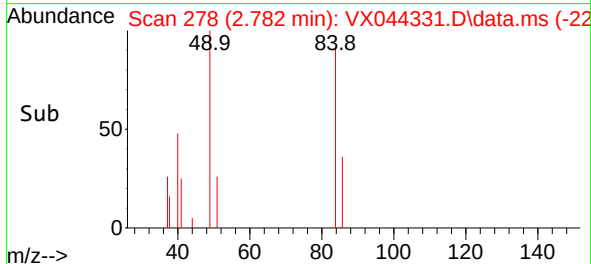
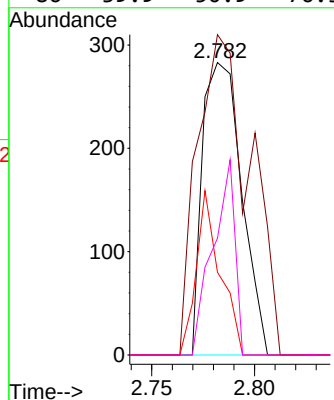


#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :

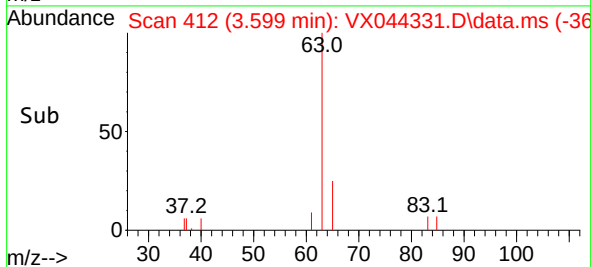
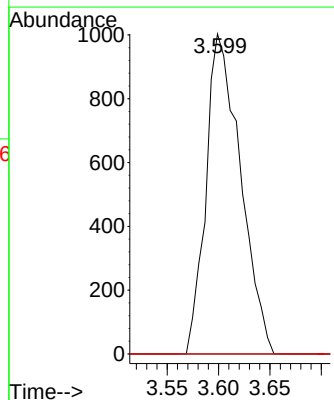
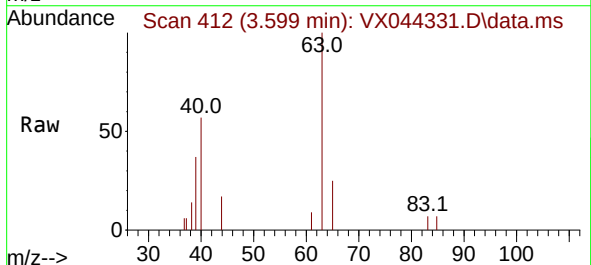


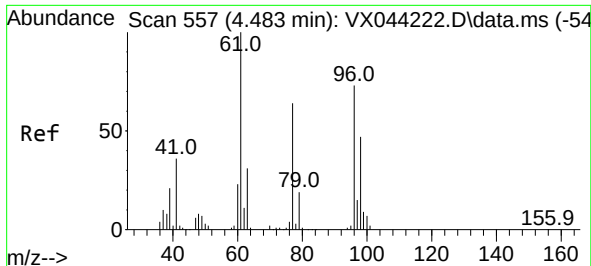
Tgt Ion:	84	Resp:	375
Ion	Ratio	Lower	Upper
84	100		
49	109.5	104.2	156.4
51	28.3	32.2	48.4#
86	39.9	50.9	76.3#



#24
1,1-Dichloroethane
Concen: 0.896 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion:	63	Resp:	2339
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: 3.714 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

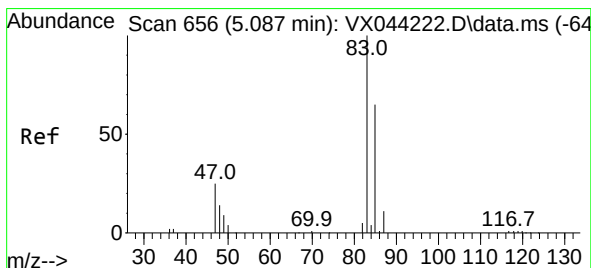
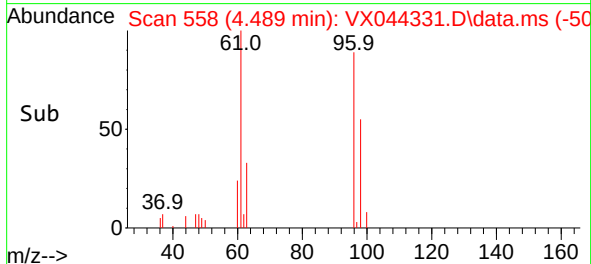
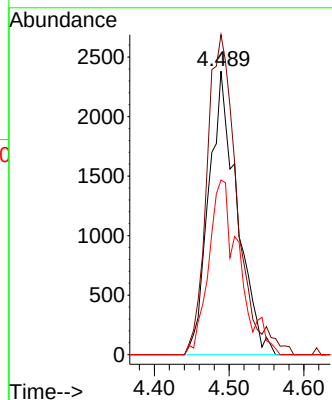
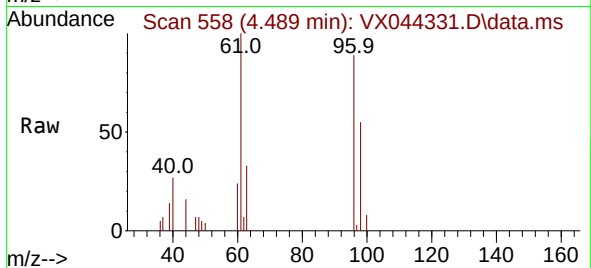
Tgt Ion: 96 Resp: 6260

Ion Ratio Lower Upper

96 100

61 120.4 0.0 299.0

98 67.0 0.0 129.0



#30

Chloroform

Concen: 0.275 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX044331.D

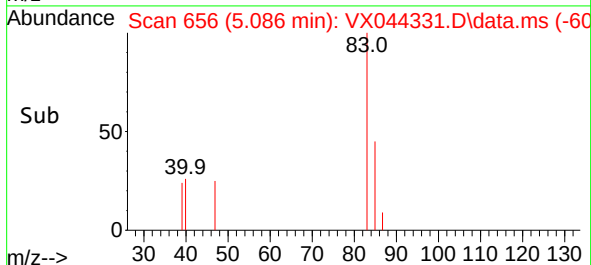
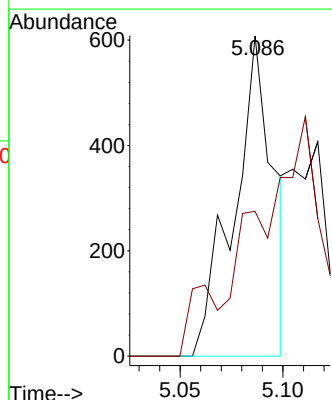
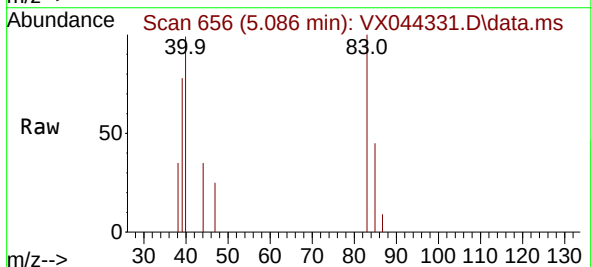
Acq: 16 Dec 2024 18:03

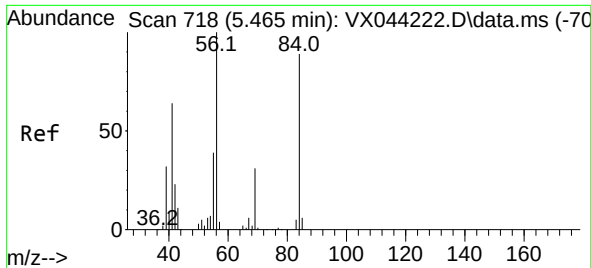
Tgt Ion: 83 Resp: 807

Ion Ratio Lower Upper

83 100

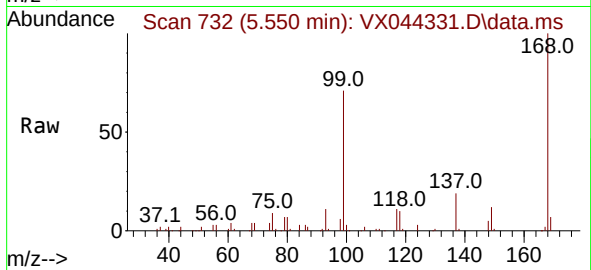
85 45.2 51.6 77.4#



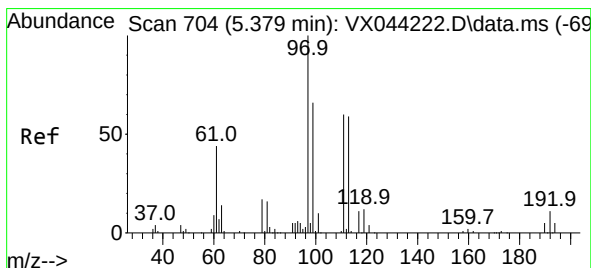
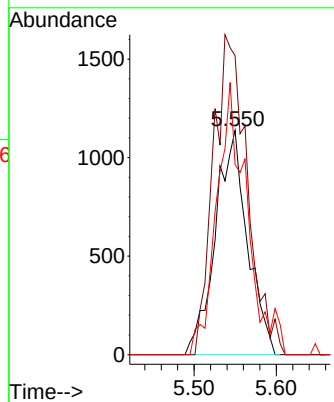
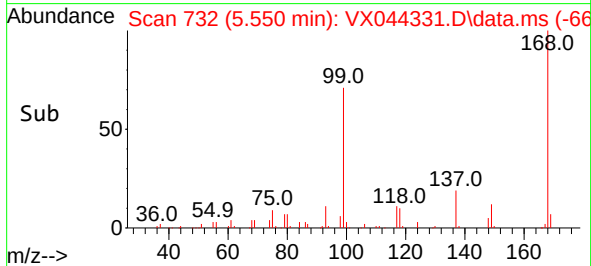


#31
Cyclohexane
Concen: 1.469 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :

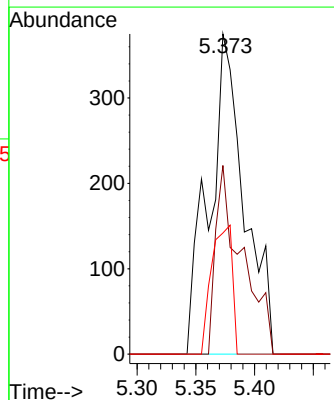
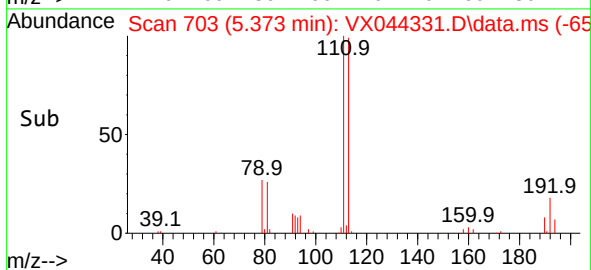
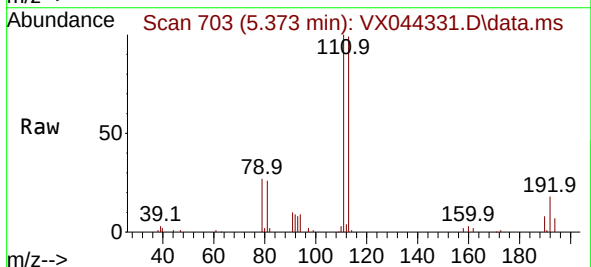


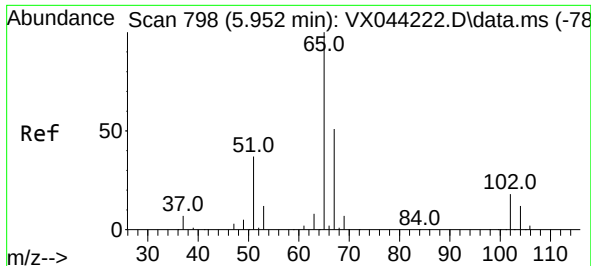
Tgt Ion: 56 Resp: 3097
Ion Ratio Lower Upper
56 100
69 133.3 24.7 37.1#
84 84.8 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 0.321 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion: 97 Resp: 781
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 23.7 35.2 52.8#





#33

1,2-Dichloroethane-d4

Concen: 46.338 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

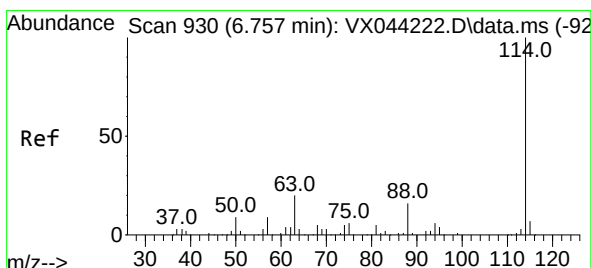
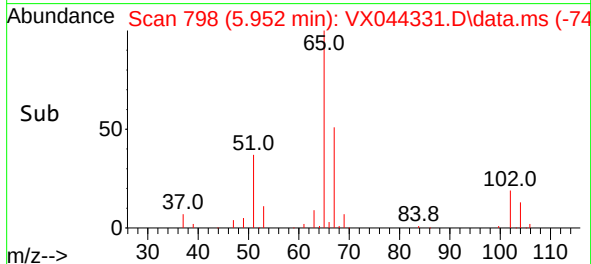
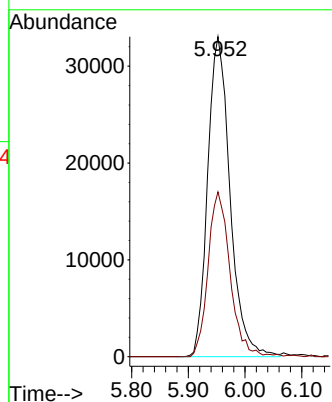
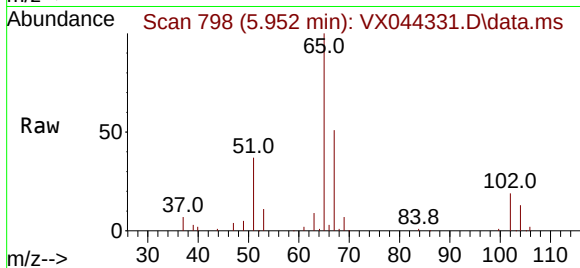
ClientSampleId :

Tgt Ion: 65 Resp: 90506

Ion Ratio Lower Upper

65 100

67 50.8 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: VX044331.D

Acq: 16 Dec 2024 18:03

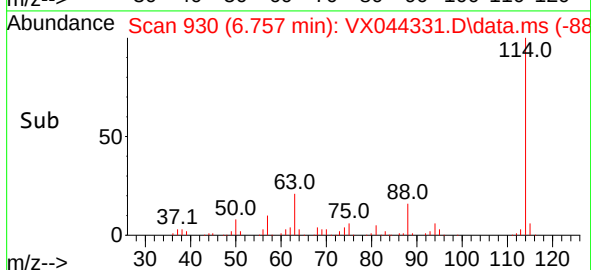
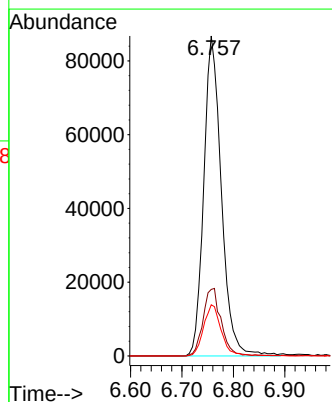
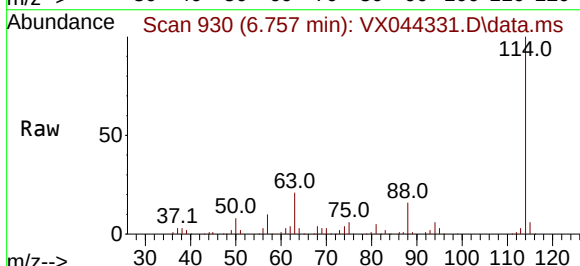
Tgt Ion: 114 Resp: 206459

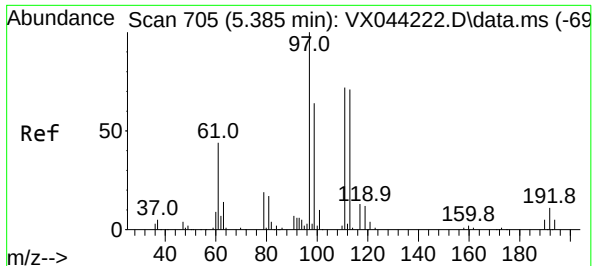
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.149 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

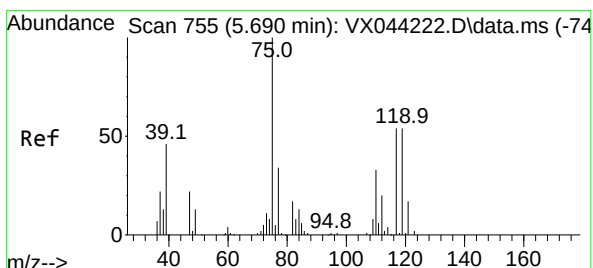
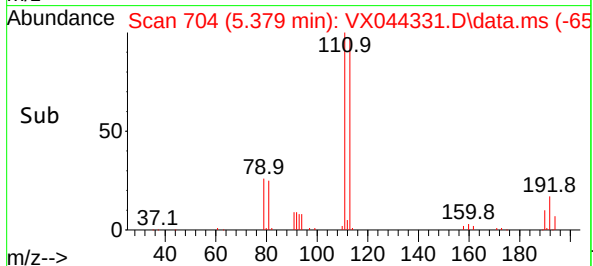
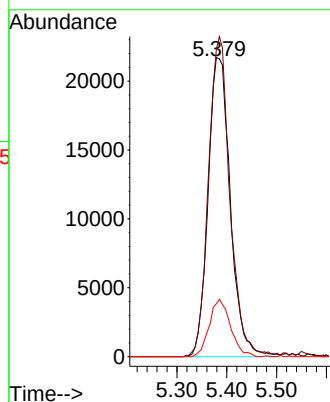
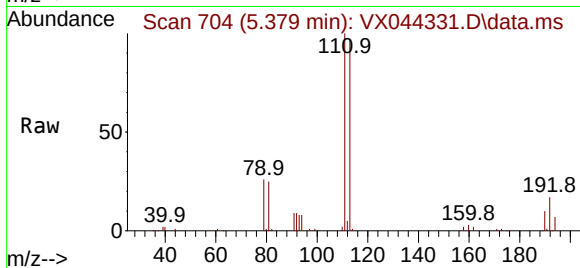
Tgt Ion:113 Resp: 67419

Ion Ratio Lower Upper

113 100

111 102.4 80.4 120.6

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.405 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

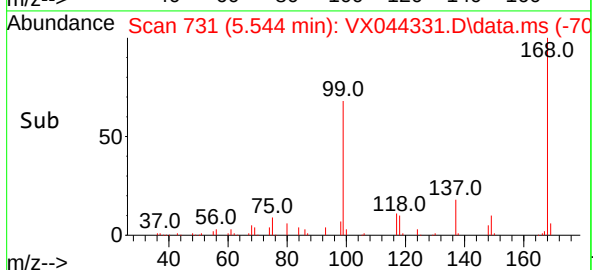
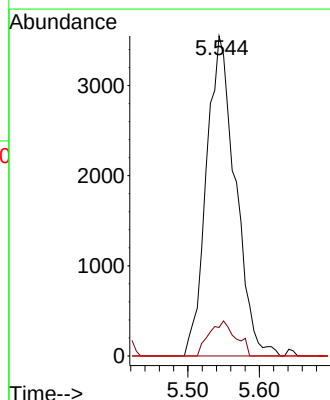
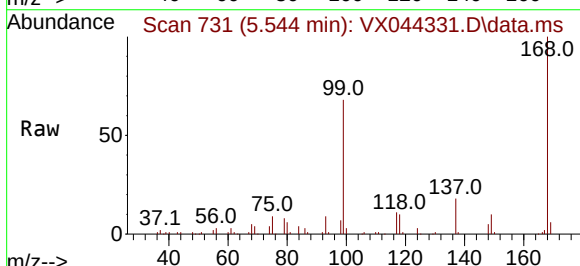
Tgt Ion: 75 Resp: 9991

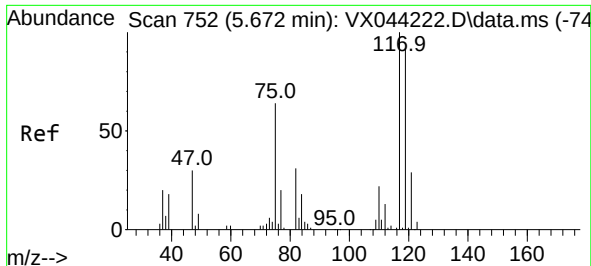
Ion Ratio Lower Upper

75 100

110 10.0 17.3 51.7#

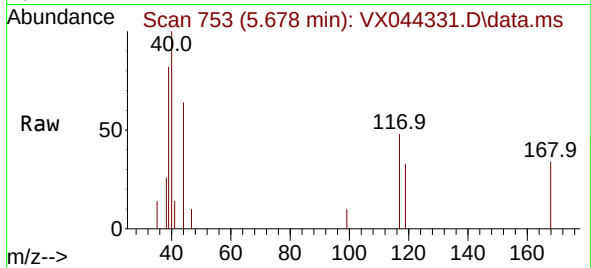
77 0.0 25.4 38.0#



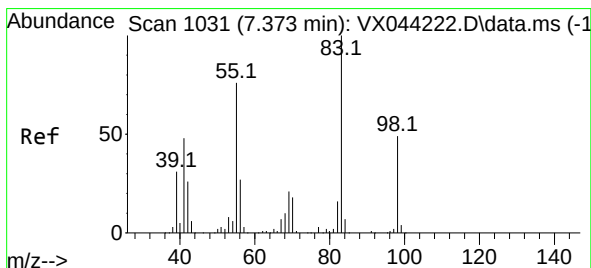
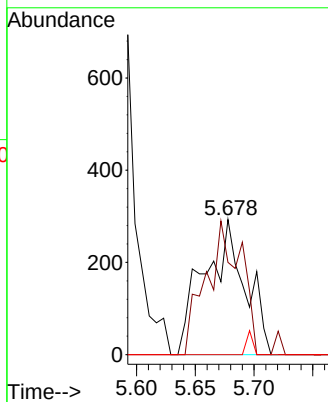
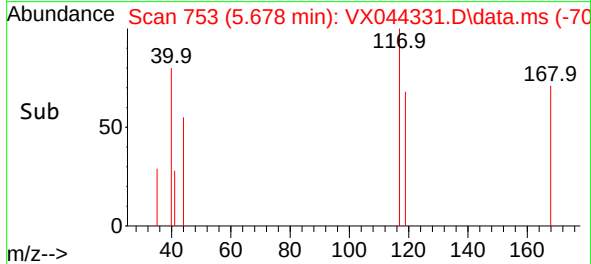


#38
Carbon Tetrachloride
Concen: 0.358 ug/l
RT: 5.678 min Scan# 713
Delta R.T. 0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :

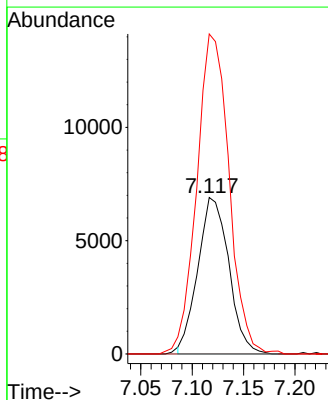
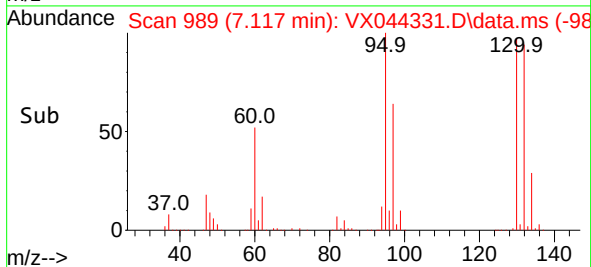
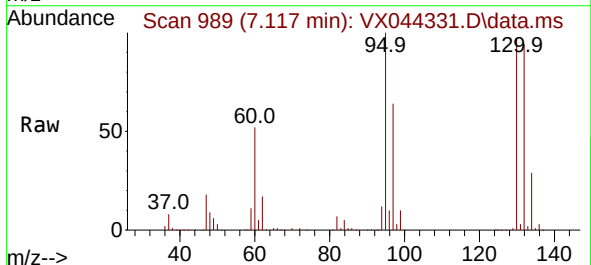


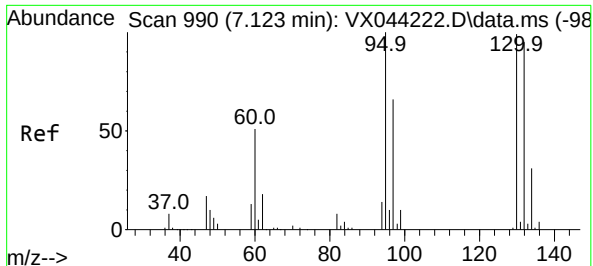
Tgt Ion:117 Resp: 713
Ion Ratio Lower Upper
117 100
119 68.3 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 6.546 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion: 83 Resp: 14465
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 206.2 38.9 58.3#

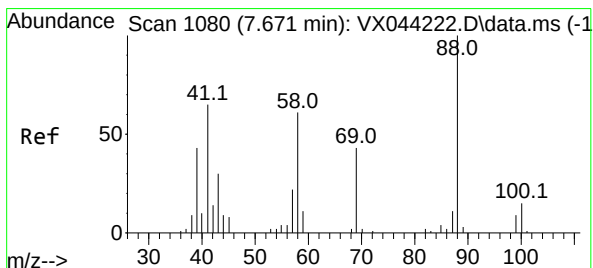
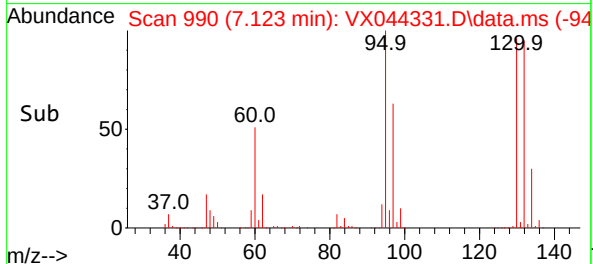
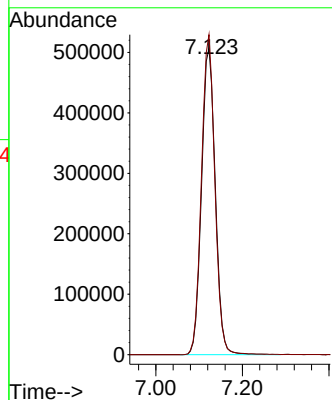
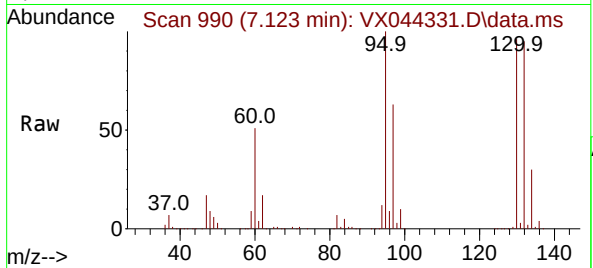




#44
Trichloroethene
Concen: 798.799 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

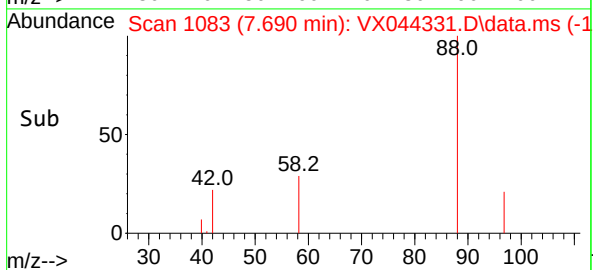
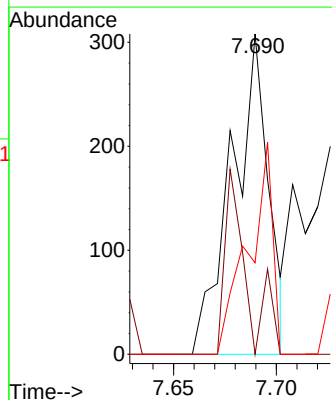
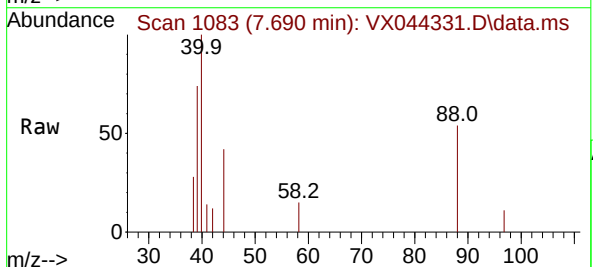
Instrument :
MSVOA_X
ClientSampleId :

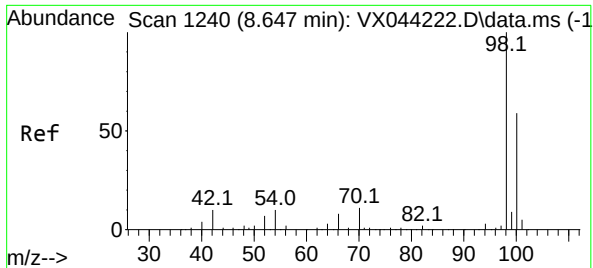
Tgt Ion:130 Resp: 1117893
Ion Ratio Lower Upper
130 100
95 104.6 0.0 201.4



#49
1,4-Dioxane
Concen: 13.291 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.018 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion: 88 Resp: 382
Ion Ratio Lower Upper
88 100
43 34.3 27.1 40.7
58 43.5 41.0 61.4

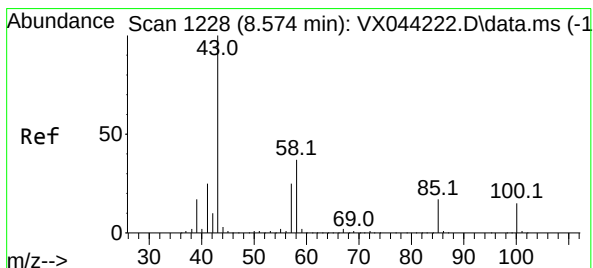
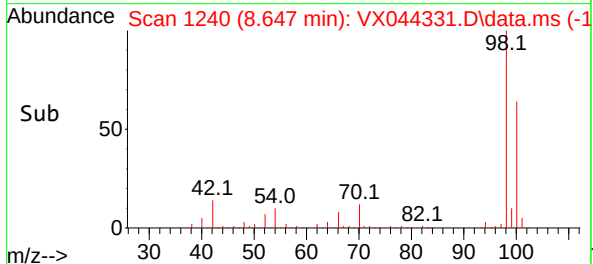
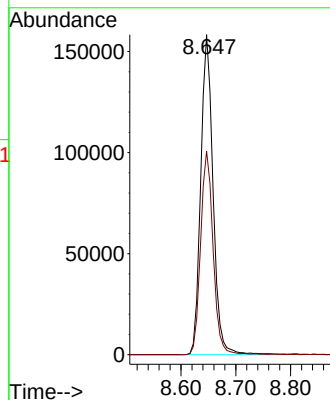
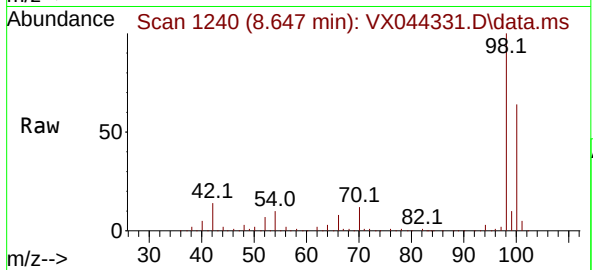




#50
Toluene-d8
Concen: 51.307 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

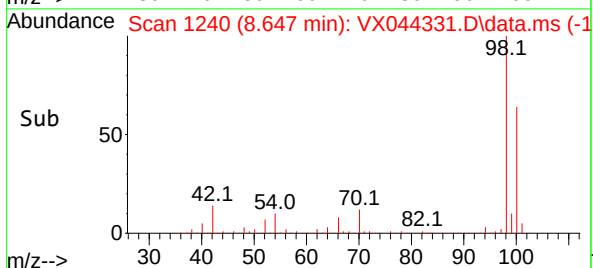
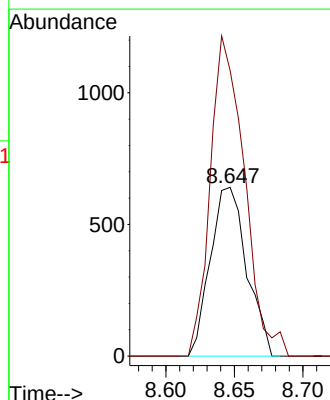
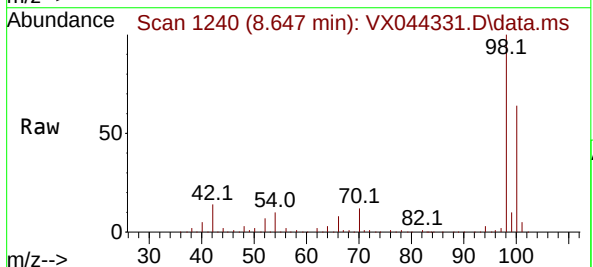
Instrument :
MSVOA_X
ClientSampleId :

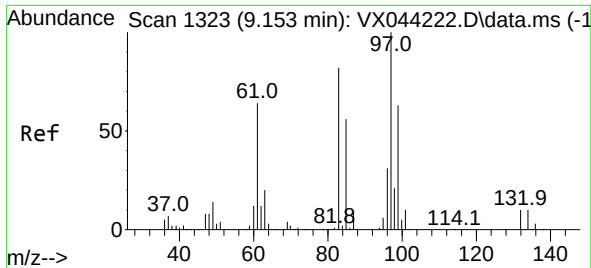
Tgt Ion: 98 Resp: 247511
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 177.4 29.4 44.0#

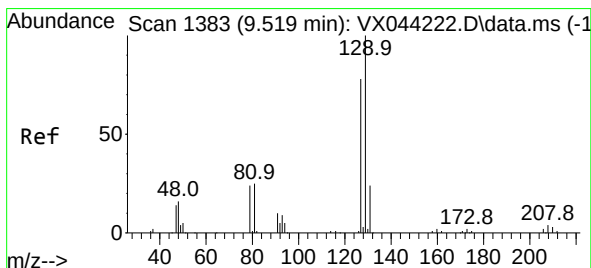
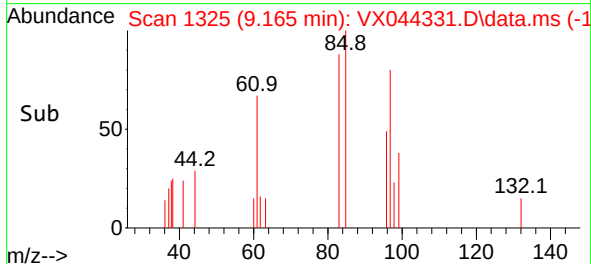
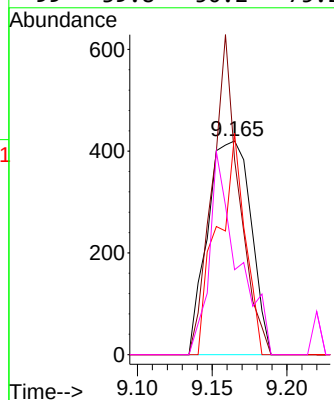
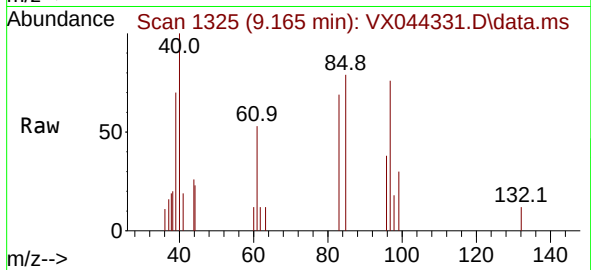




#55
 1,1,2-Trichloroethane
 Concen: 0.603 ug/l
 RT: 9.165 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX044331.D
 Acq: 16 Dec 2024 18:03

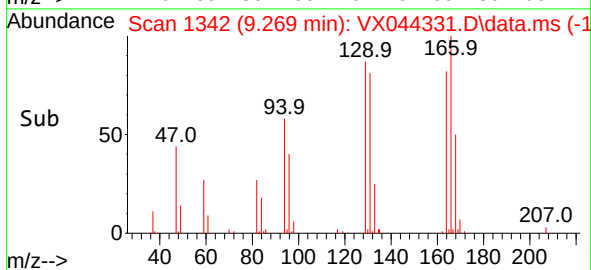
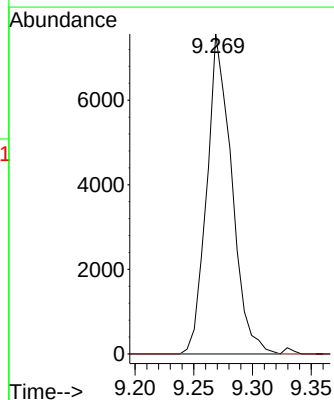
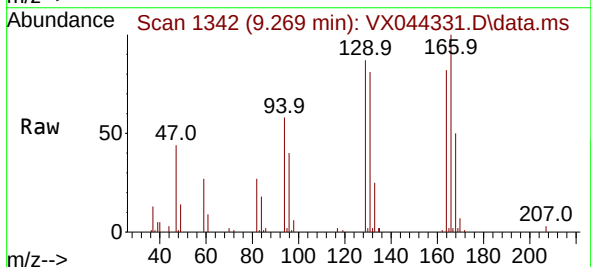
Instrument :
 MSVOA_X
 ClientSampleId :

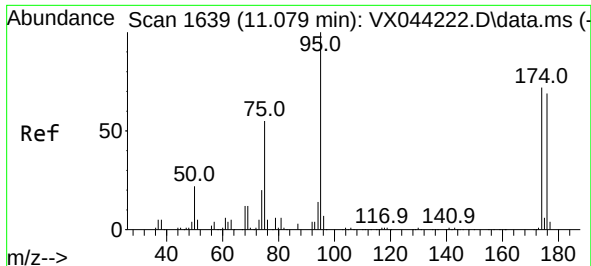
Tgt Ion: 97	Resp:	844
Ion	Ratio	Lower Upper
97	100	
83	91.2	65.3 97.9
85	103.6	44.6 67.0#
99	39.8	50.2 75.2#



#60
 Dibromochloromethane
 Concen: 8.840 ug/l
 RT: 9.269 min Scan# 1342
 Delta R.T. -0.250 min
 Lab File: VX044331.D
 Acq: 16 Dec 2024 18:03

Tgt Ion: 129	Resp:	11137
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 47.198 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

Instrument :

MSVOA_X

ClientSampleId :

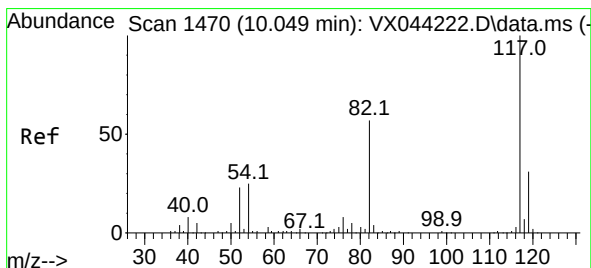
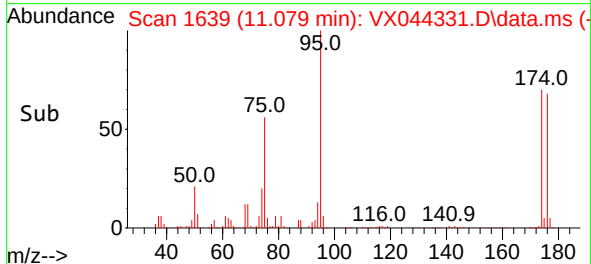
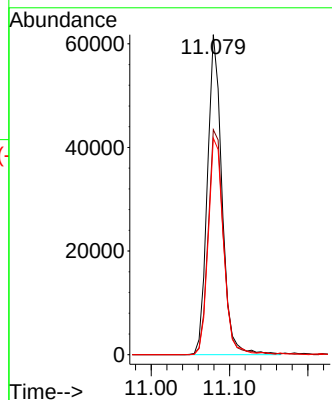
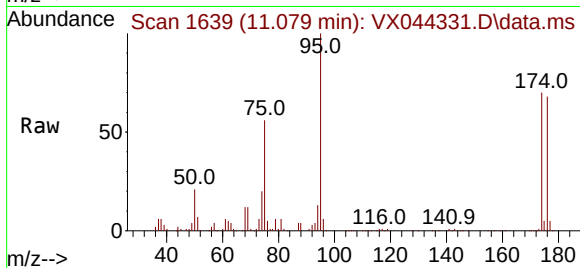
Tgt Ion: 95 Resp: 79560

Ion Ratio Lower Upper

95 100

174 74.6 0.0 145.8

176 70.9 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044331.D

Acq: 16 Dec 2024 18:03

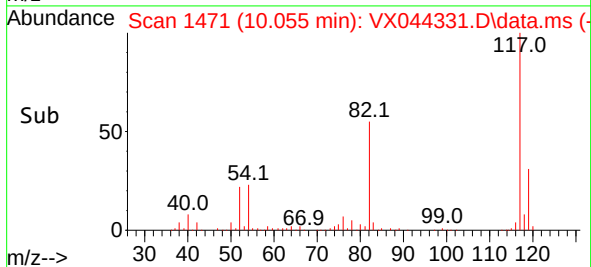
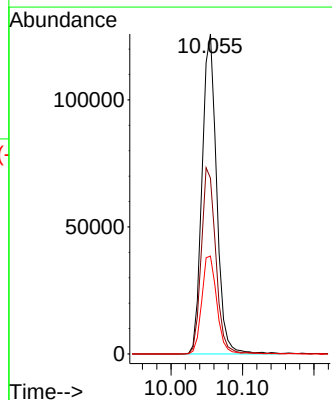
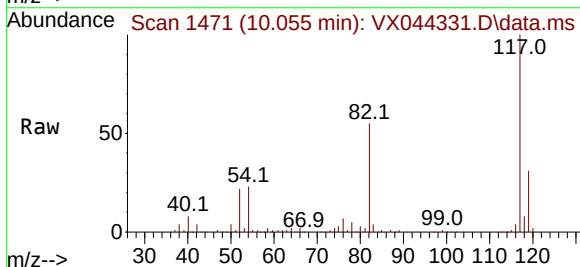
Tgt Ion: 117 Resp: 178249

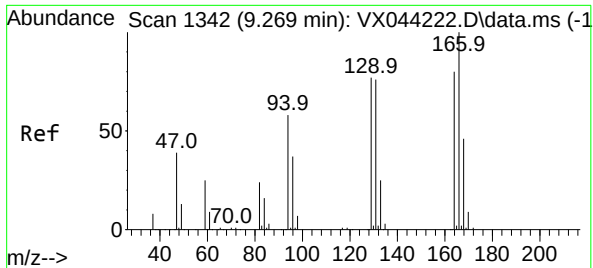
Ion Ratio Lower Upper

117 100

82 55.0 45.8 68.8

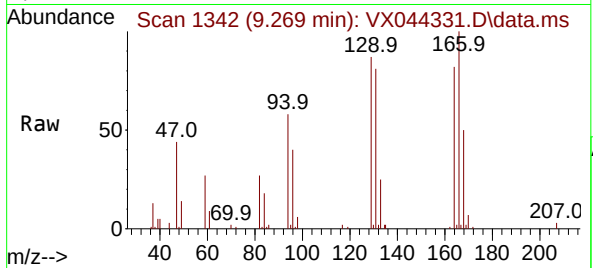
119 30.6 25.0 37.4





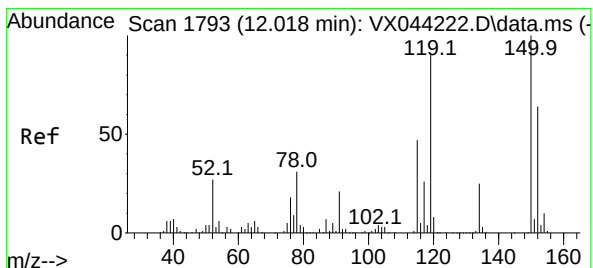
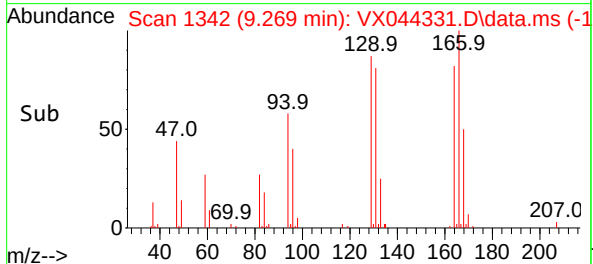
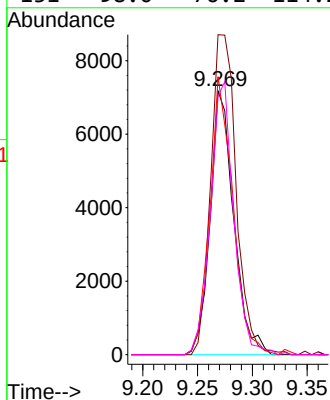
#64
Tetrachloroethene
Concen: 9.092 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 10756

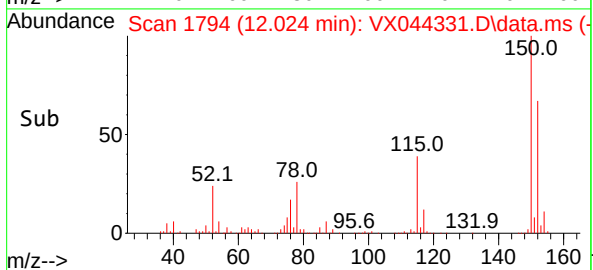
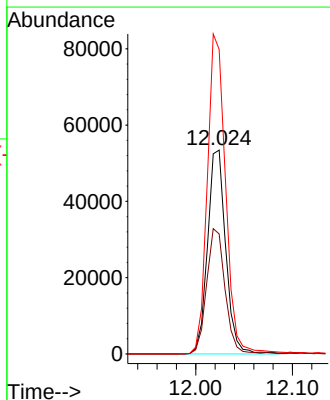
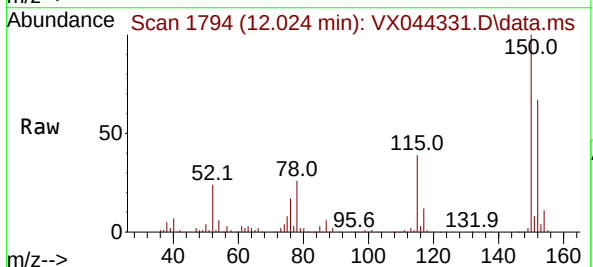
Ion	Ratio	Lower	Upper
164	100		
166	121.3	100.4	150.6
129	105.4	77.2	115.8
131	98.0	76.2	114.2

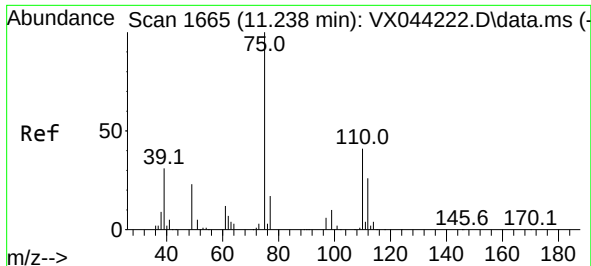


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion:152 Resp: 70182

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.5	133.3
150	158.1	0.0	353.8

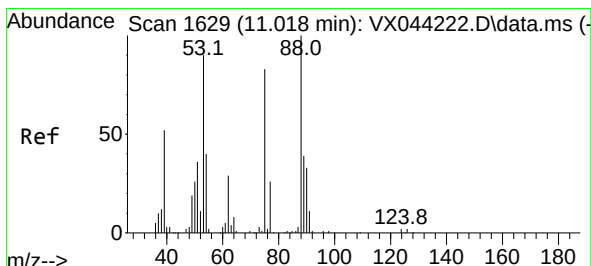
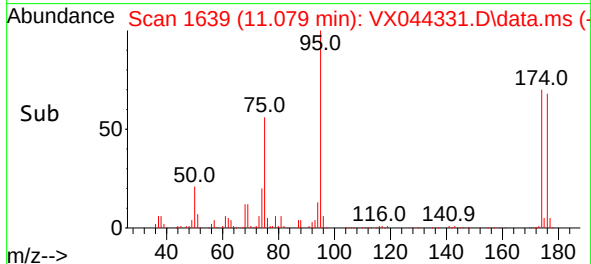
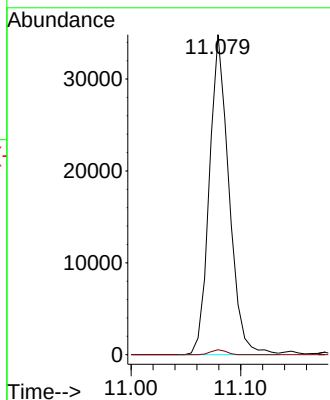
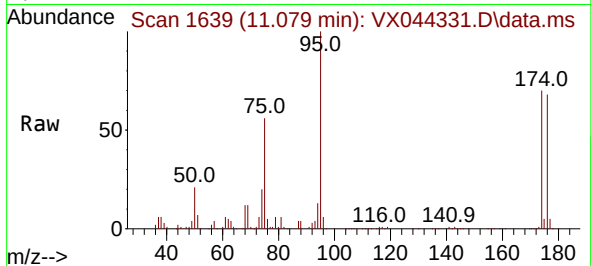




#76
1,2,3-Trichloropropane
Concen: 27.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43296
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044331.D
Acq: 16 Dec 2024 18:03

Tgt Ion: 75 Resp: 43296
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

