

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025883.D
 Acq On : 17 Dec 2021 14:18
 Operator : JC/MD
 Sample : M5137-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:28:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

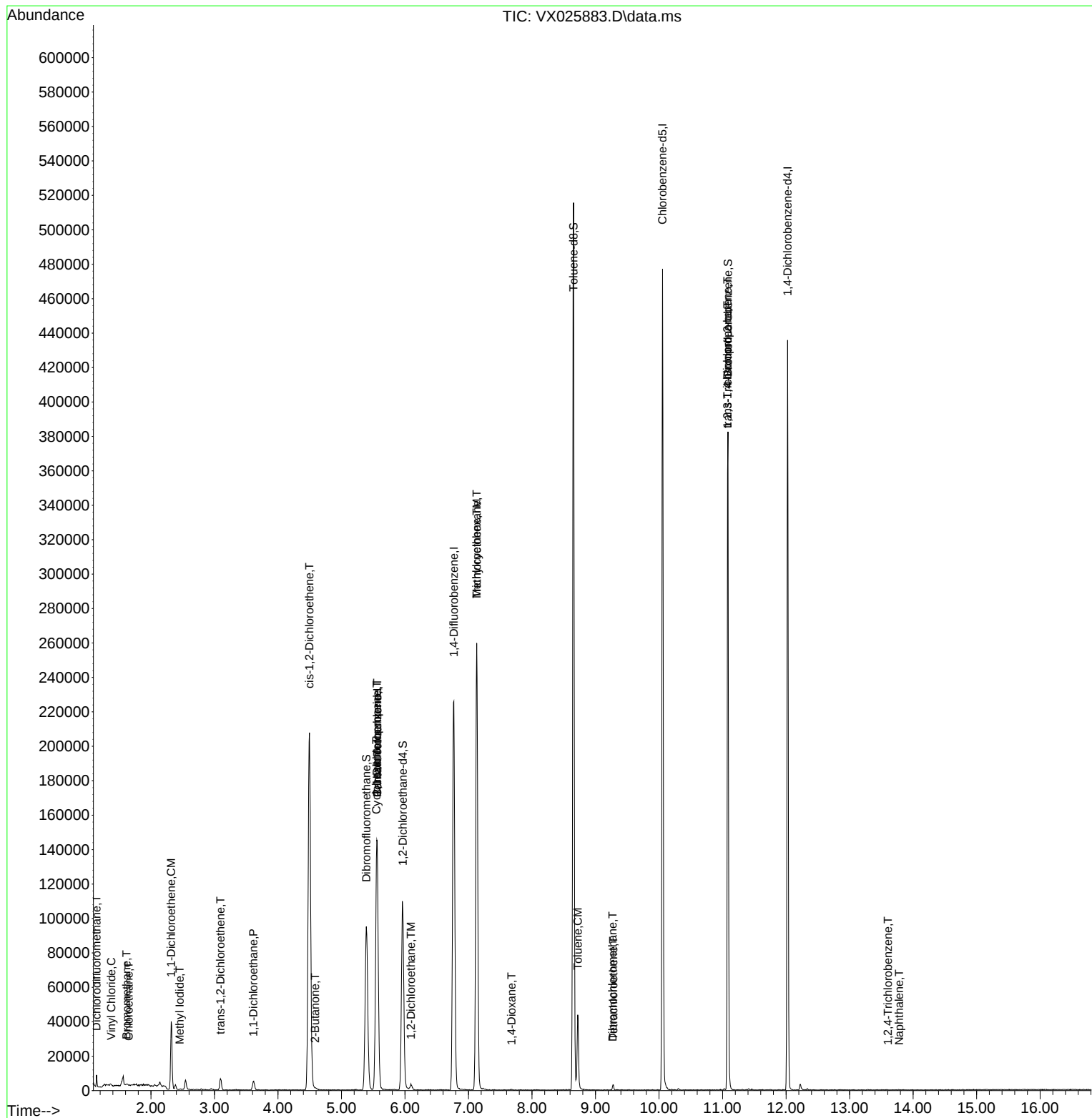
Internal Standards						
1) Pentafluorobenzene	5.562	168	133597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236179	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100951	52.518	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.040%	
35) Dibromofluoromethane	5.391	113	81587	49.533	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.060%	
50) Toluene-d8	8.653	98	299565	49.916	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	11.085	95	102950	45.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	509	0.426	ug/l	96
4) Vinyl Chloride	1.374	62	477	0.288	ug/l	96
5) Bromomethane	1.618	94	390	0.330	ug/l #	80
6) Chloroethane	1.648	64	256	0.214	ug/l #	42
10) Methyl Iodide	2.453	142	487	0.269	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	12417	8.780	ug/l	94
16) Acetone	2.386	43	2735	Below Cal		93
20) Methylene Chloride	2.794	84	181	Below Cal	#	80
21) trans-1,2-Dichloroethene	3.093	96	2460	1.559	ug/l	87
24) 1,1-Dichloroethane	3.611	63	5413	1.893	ug/l	97
25) 2-Butanone	4.586	43	399	0.309	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	131782	70.414	ug/l	91
31) Cyclohexane	5.550	56	3242	1.387	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	11077	4.959	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14524	5.588	ug/l #	17
39) Methylcyclohexane	7.129	83	1357	0.543	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	3016	1.191	ug/l	90
44) Trichloroethene	7.129	130	98567	53.135	ug/l	92
49) 1,4-Dioxane	7.677	88	285	6.934	ug/l #	42
52) Toluene	8.720	92	15640	3.684	ug/l	94
60) Dibromochloromethane	9.269	129	535	0.259	ug/l #	11
64) Tetrachloroethene	9.281	164	594	0.349	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	52811	26.275	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52811	81.460	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.603	180	19	3.380	ug/l #	1
95) Naphthalene	13.780	128	244	2.450	ug/l #	69

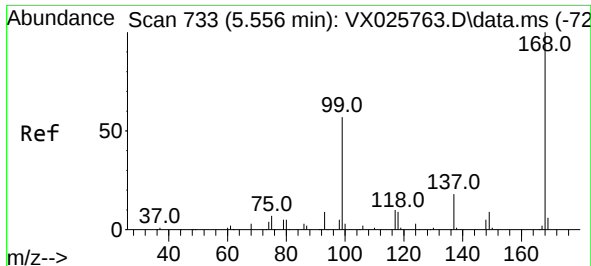
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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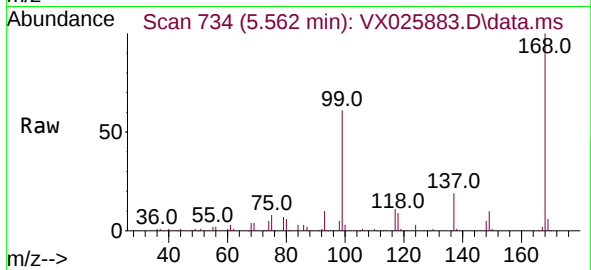
Quant Time: Dec 19 02:28:29 2021
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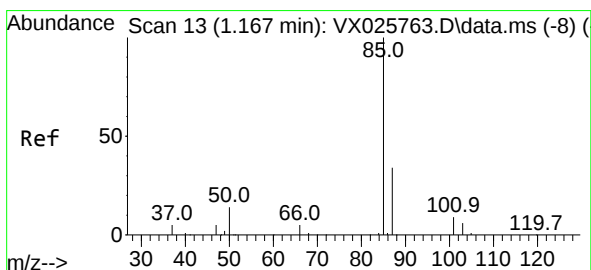
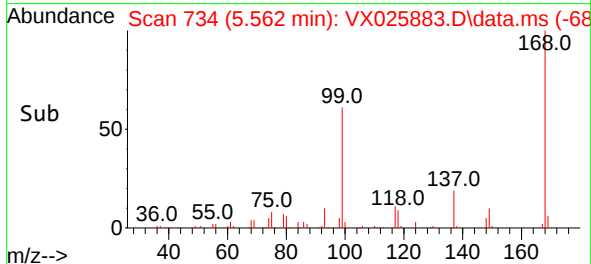
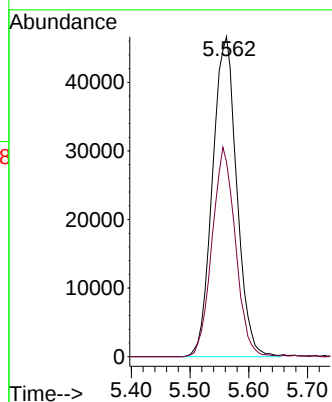


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :

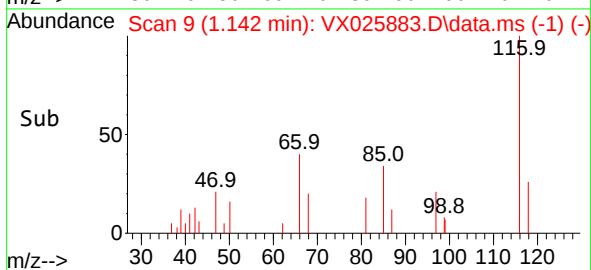
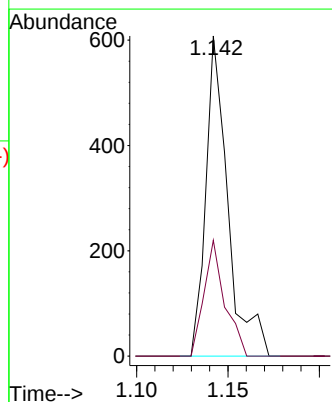
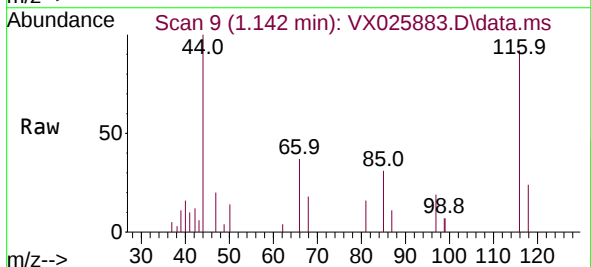


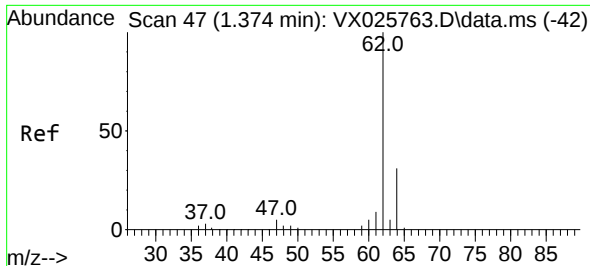
Tgt Ion:168 Resp: 133597
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.426 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.025 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 85 Resp: 509
Ion Ratio Lower Upper
85 100
87 36.2 17.0 50.9

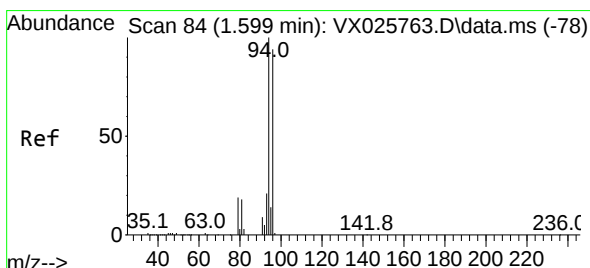
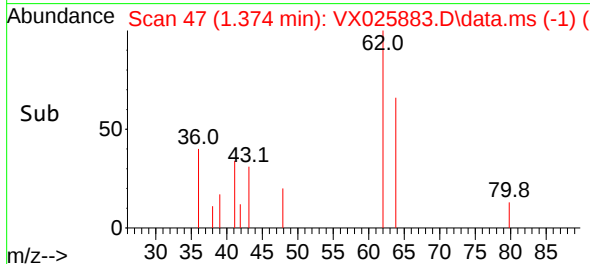
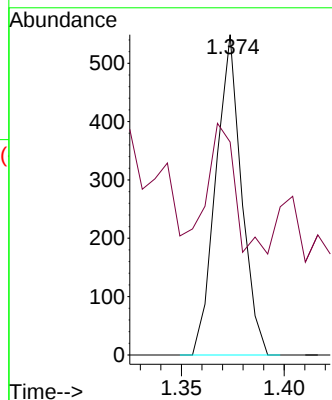
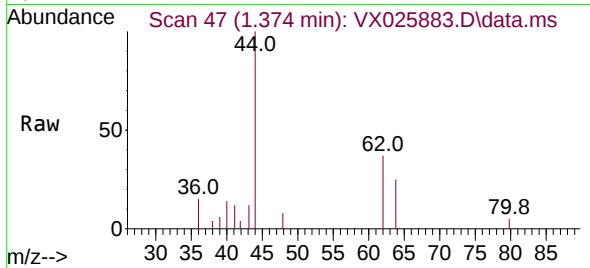




#4
 Vinyl Chloride
 Concen: 0.288 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX025883.D
 Acq: 17 Dec 2021 14:18

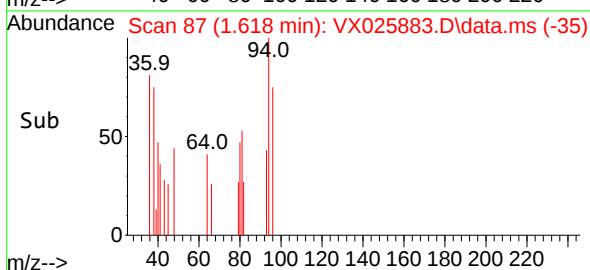
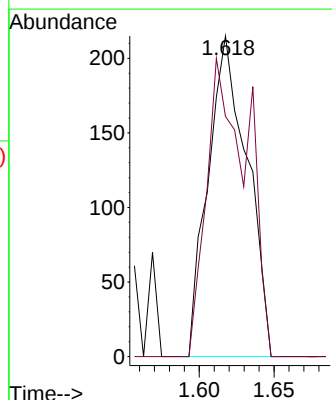
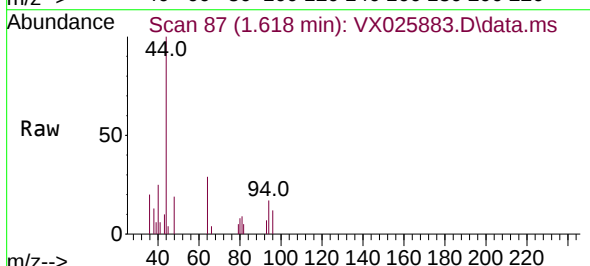
Instrument :
 MSVOA_X
 ClientSampleId :

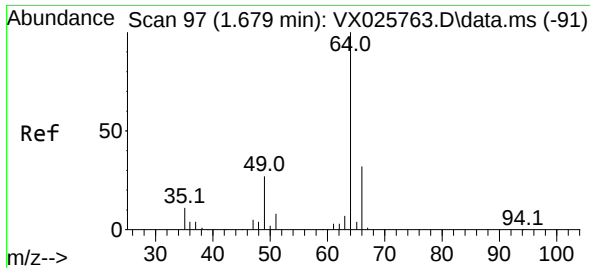
Tgt Ion: 62 Resp: 477
 Ion Ratio Lower Upper
 62 100
 64 29.3 25.4 38.2



#5
 Bromomethane
 Concen: 0.330 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX025883.D
 Acq: 17 Dec 2021 14:18

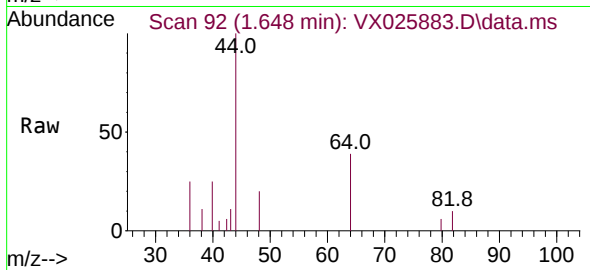
Tgt Ion: 94 Resp: 390
 Ion Ratio Lower Upper
 94 100
 96 74.9 75.0 112.4#



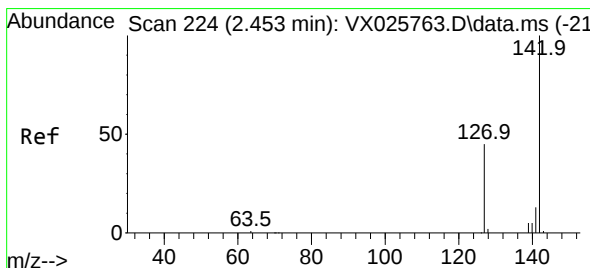
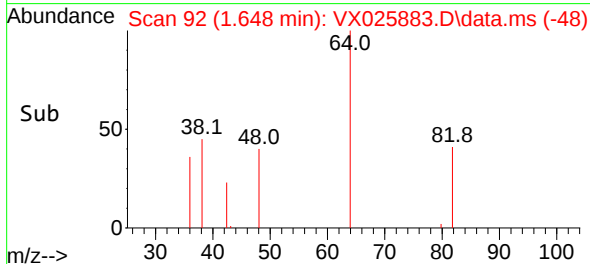
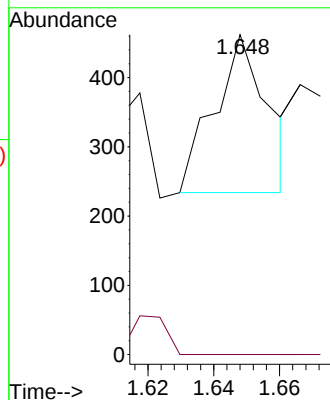


#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.031 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :

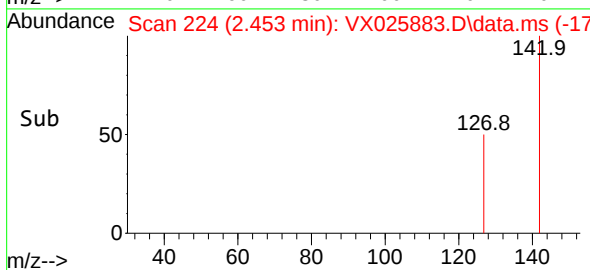
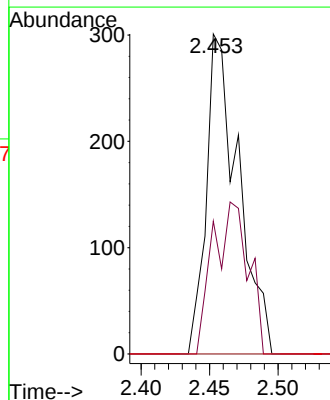
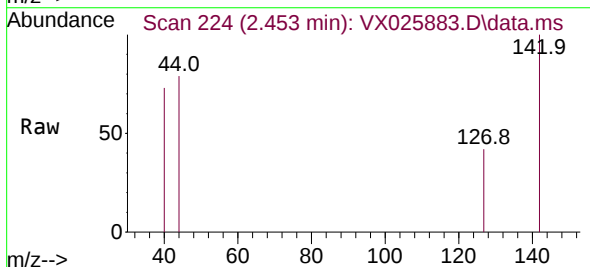


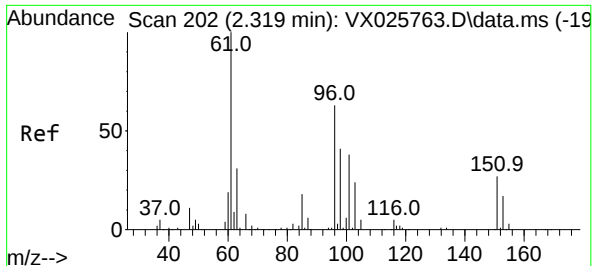
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 0.269 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 142 Resp: 487
Ion Ratio Lower Upper
142 100
127 52.8 37.5 56.3
141 0.0 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 8.780 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

Instrument :

MSVOA_X

ClientSampleId :

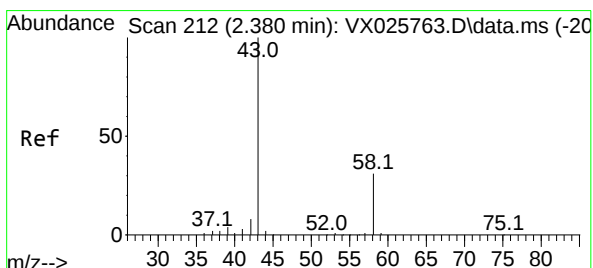
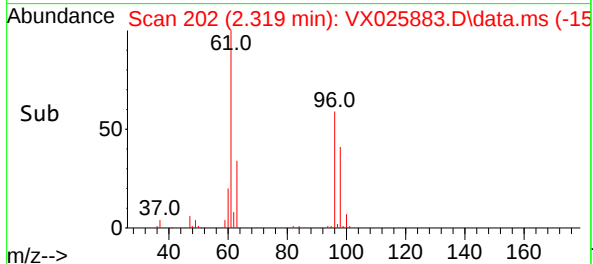
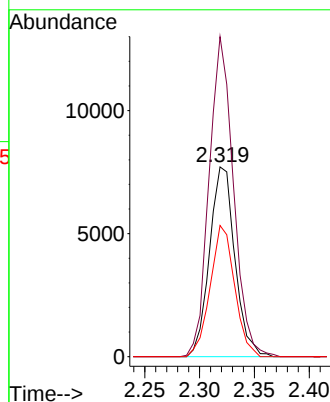
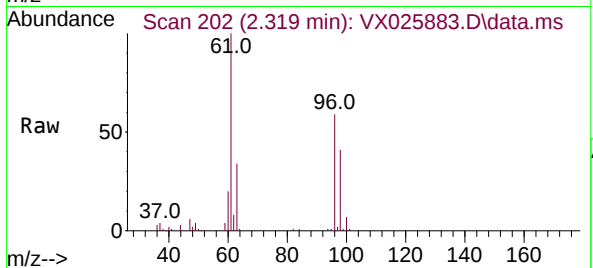
Tgt Ion: 96 Resp: 12417

Ion Ratio Lower Upper

96 100

61 168.6 127.5 191.3

98 69.1 52.0 78.0



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025883.D

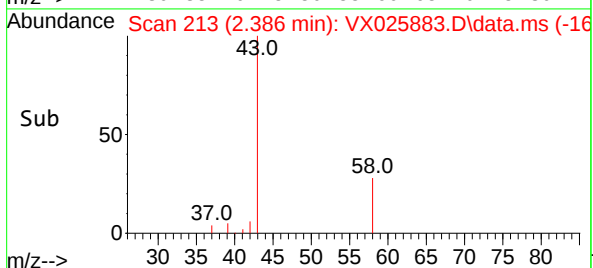
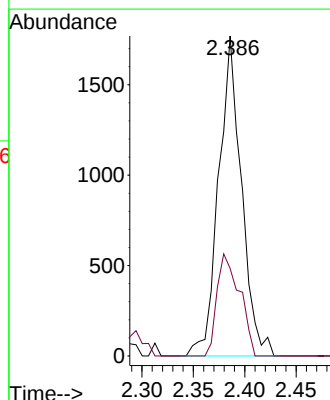
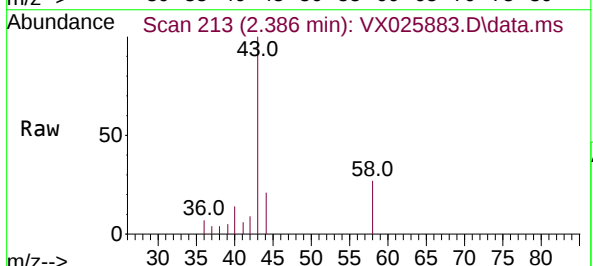
Acq: 17 Dec 2021 14:18

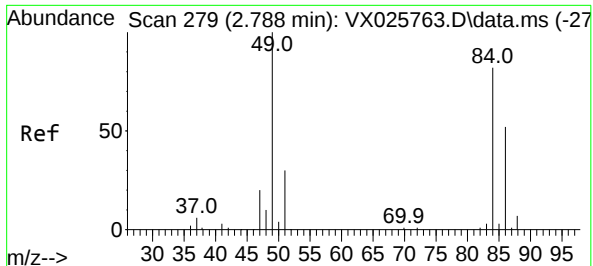
Tgt Ion: 43 Resp: 2735

Ion Ratio Lower Upper

43 100

58 27.3 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 181

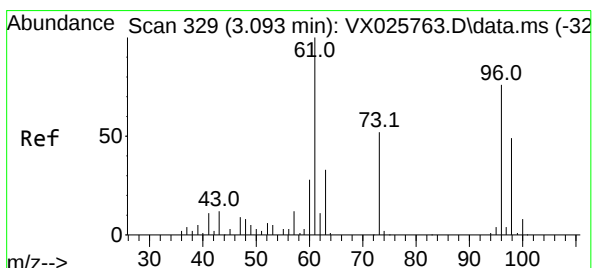
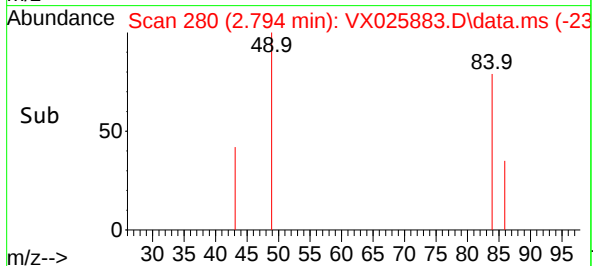
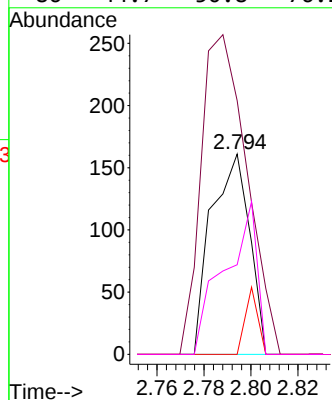
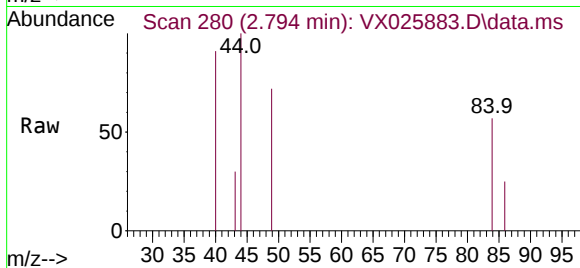
Ion Ratio Lower Upper

84 100

49 126.7 97.1 145.7

51 0.0 29.3 43.9#

86 44.7 50.8 76.2#



#21

trans-1,2-Dichloroethene

Concen: 1.559 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

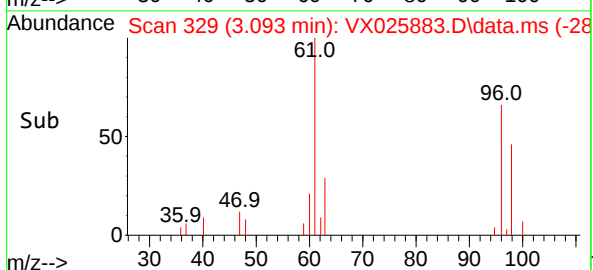
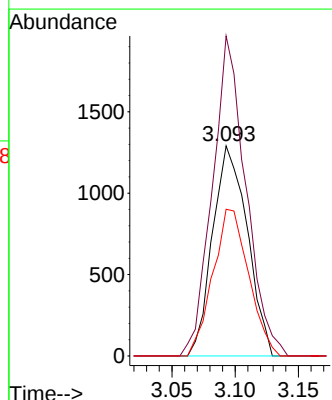
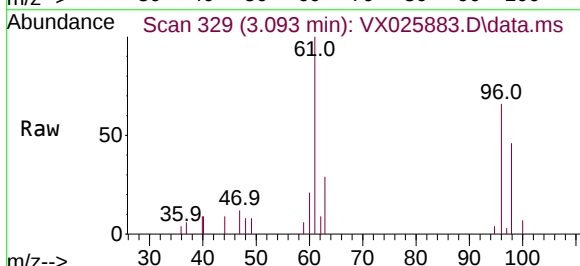
Tgt Ion: 96 Resp: 2460

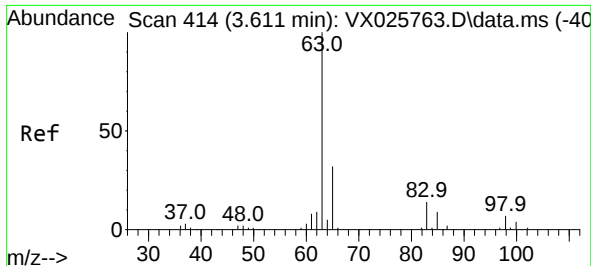
Ion Ratio Lower Upper

96 100

61 152.3 105.7 158.5

98 69.8 52.1 78.1

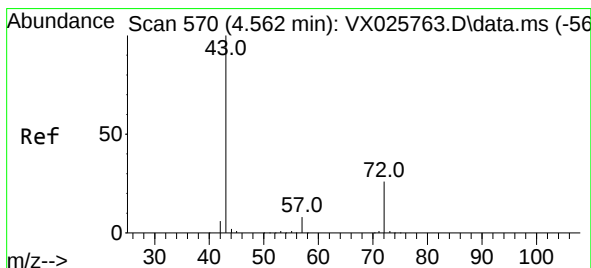
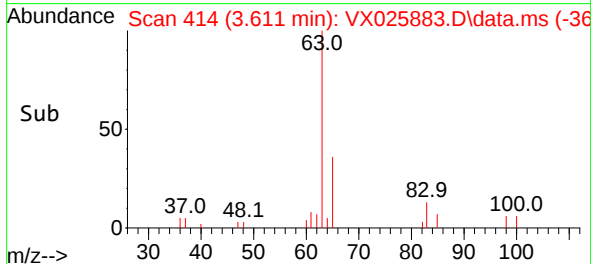
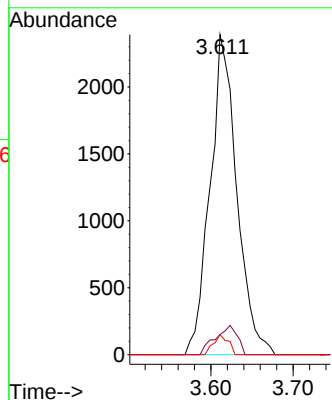
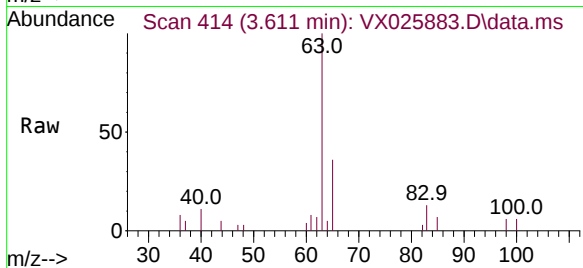




#24
1,1-Dichloroethane
Concen: 1.893 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

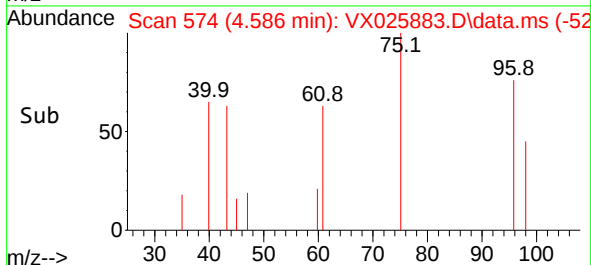
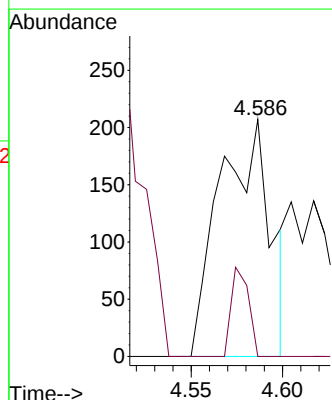
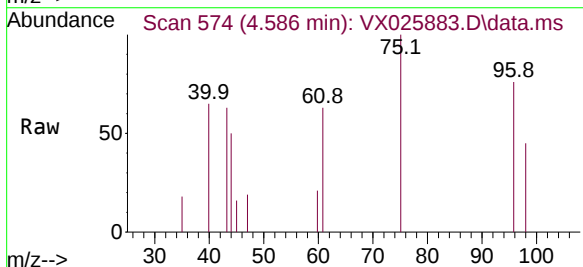
Instrument :
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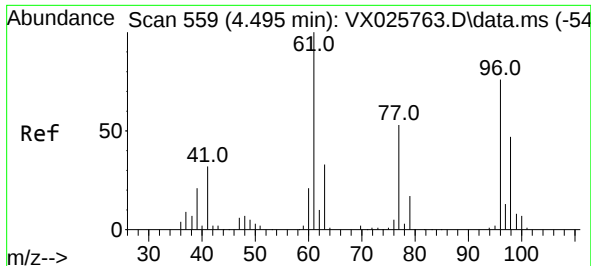
Tgt Ion: 63 Resp: 5413
Ion Ratio Lower Upper
63 100
98 6.3 3.3 9.9
100 6.3 2.2 6.6



#25
2-Butanone
Concen: 0.309 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#27

cis-1,2-Dichloroethene

Concen: 70.414 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

Instrument :

MSVOA_X

ClientSampleId :

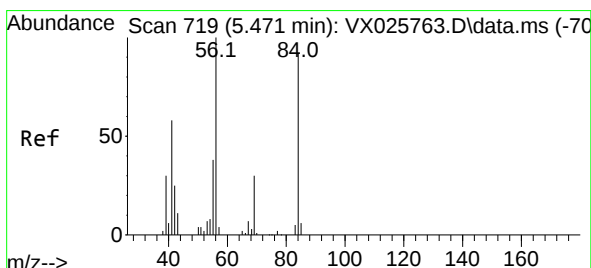
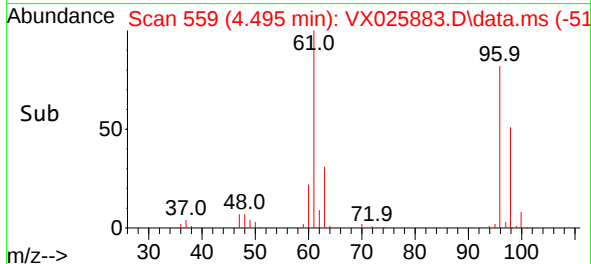
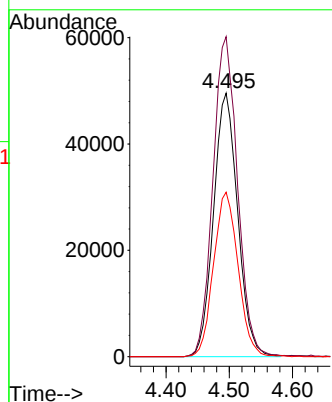
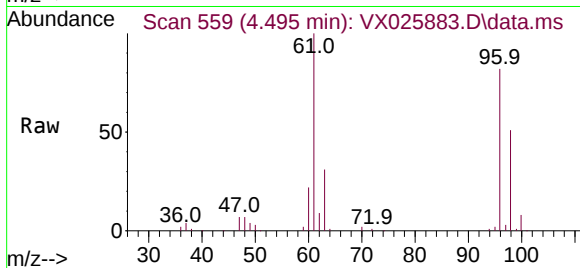
Tgt Ion: 96 Resp: 131782

Ion Ratio Lower Upper

96 100

61 123.4 0.0 276.8

98 63.3 0.0 130.6



#31

Cyclohexane

Concen: 1.387 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

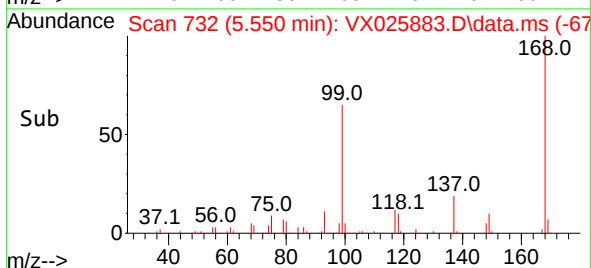
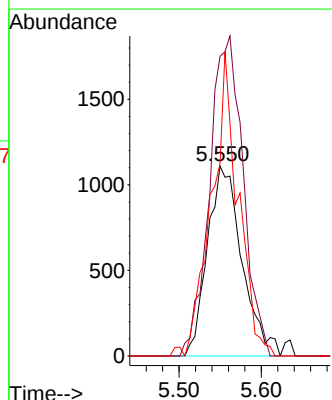
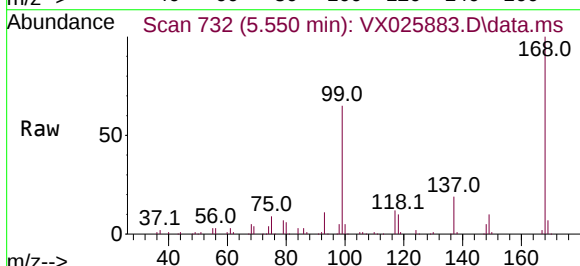
Tgt Ion: 56 Resp: 3242

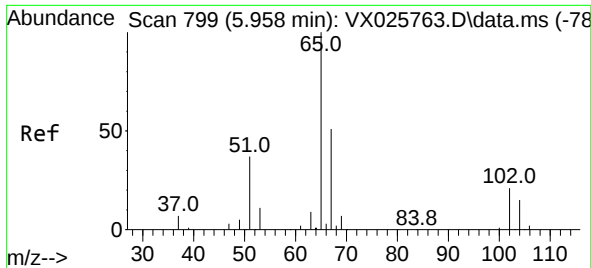
Ion Ratio Lower Upper

56 100

69 157.7 23.9 35.9#

84 101.3 73.2 109.8

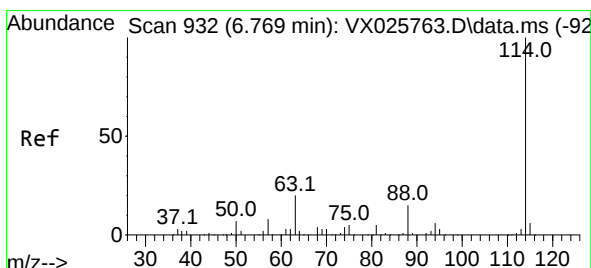
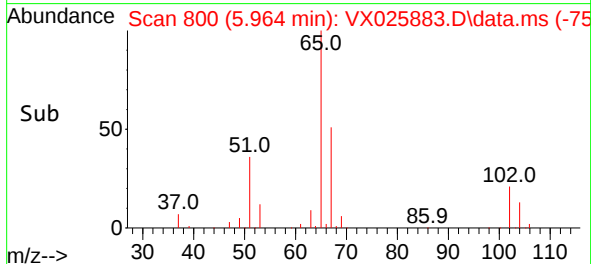
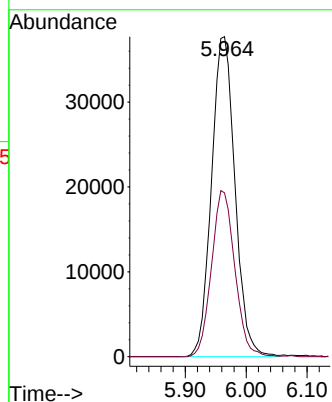
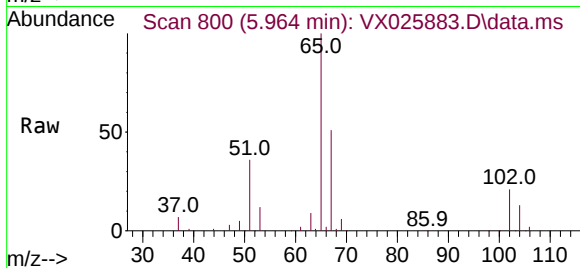




#33
 1,2-Dichloroethane-d4
 Concen: 52.518 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX025883.D
 Acq: 17 Dec 2021 14:18

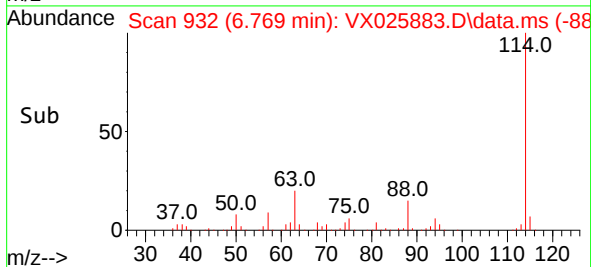
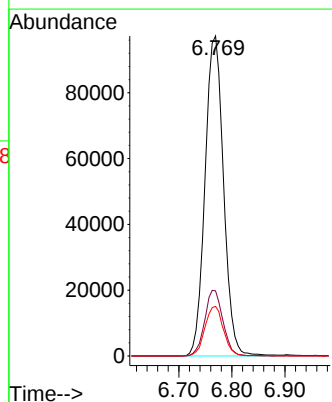
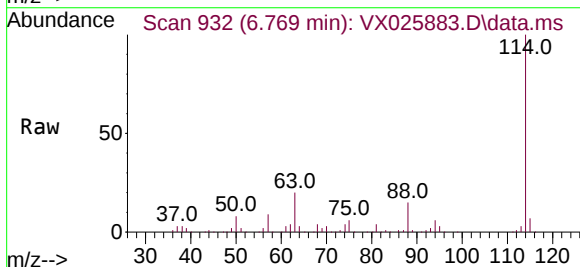
Instrument :
 MSVOA_X
 ClientSampleId :

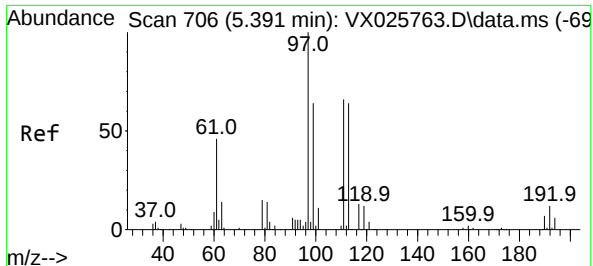
Tgt Ion: 65 Resp: 100951
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX025883.D
 Acq: 17 Dec 2021 14:18

Tgt Ion: 114 Resp: 236179
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.533 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

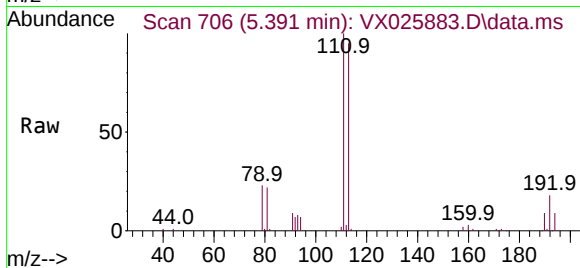
Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

Instrument :

MSVOA_X

ClientSampleId :



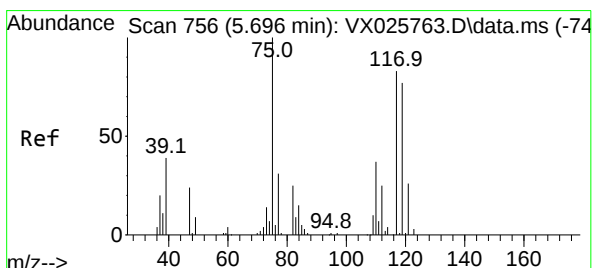
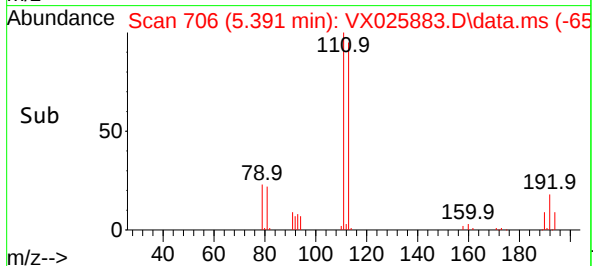
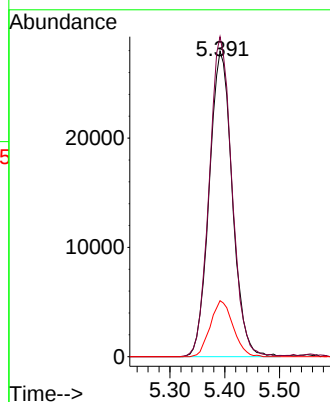
Tgt Ion:113 Resp: 81587

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

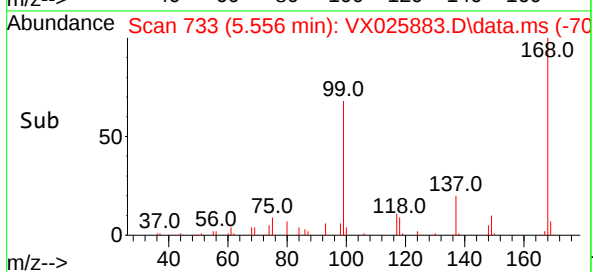
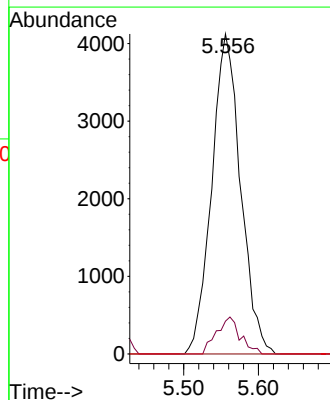
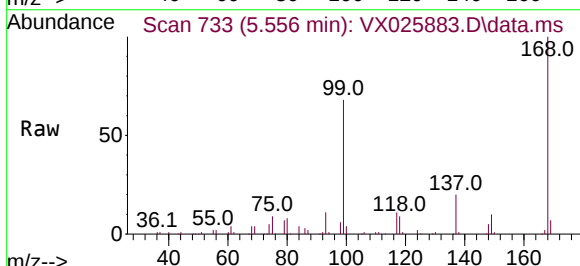
Tgt Ion: 75 Resp: 11077

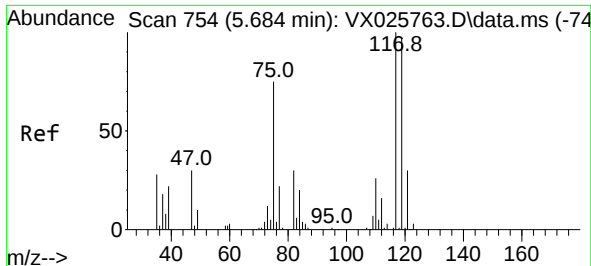
Ion Ratio Lower Upper

75 100

110 9.5 18.2 54.6#

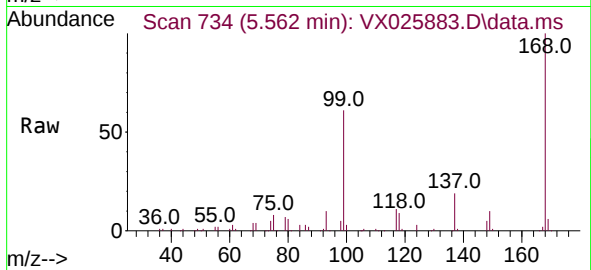
77 0.0 24.7 37.1#



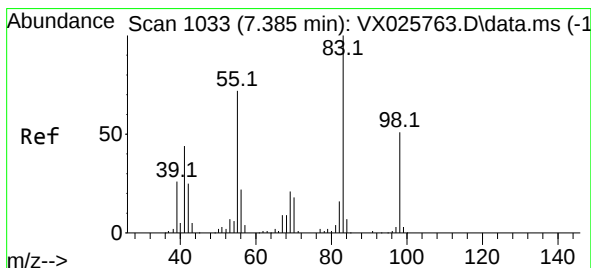
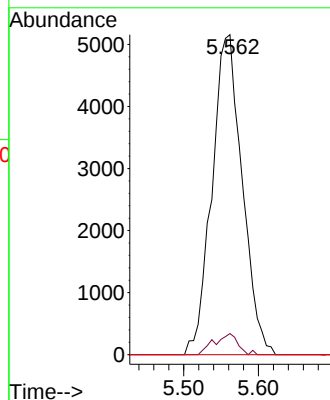
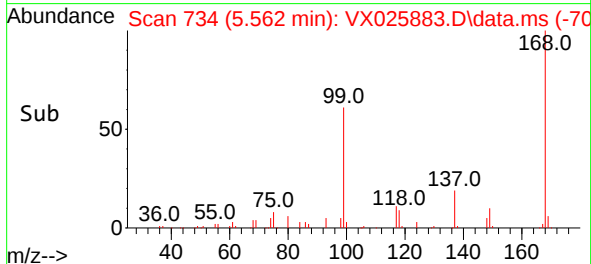


#38
Carbon Tetrachloride
Concen: 5.588 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :

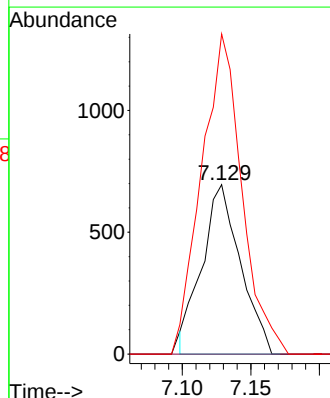
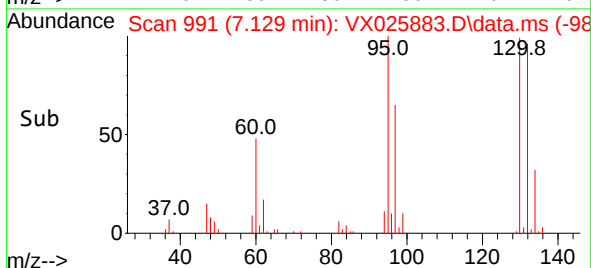
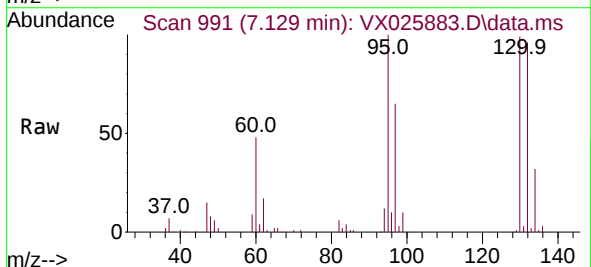


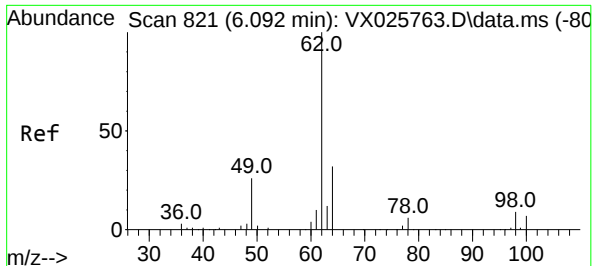
Tgt Ion:117 Resp: 14524
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.543 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 83 Resp: 1357
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 181.3 40.5 60.7#





#42

1,2-Dichloroethane

Concen: 1.191 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.000 min

Lab File: VX025883.D

Acq: 17 Dec 2021 14:18

Instrument :

MSVOA_X

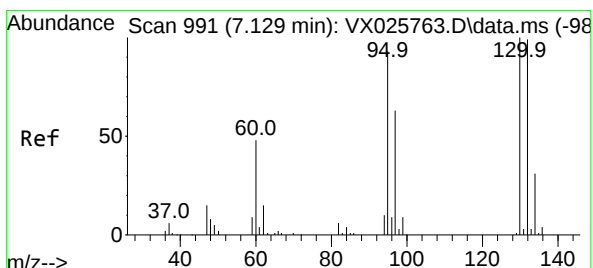
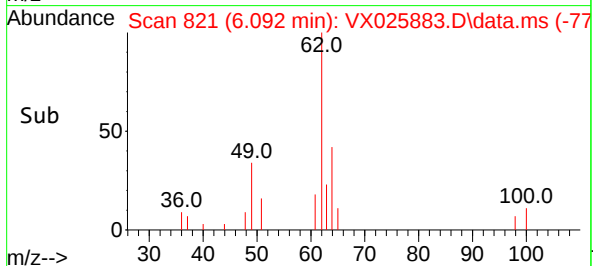
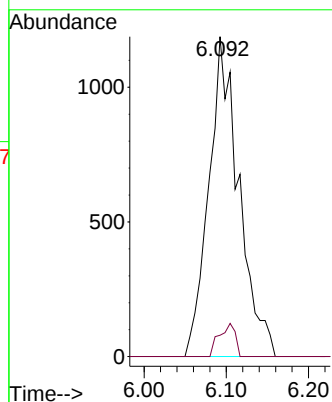
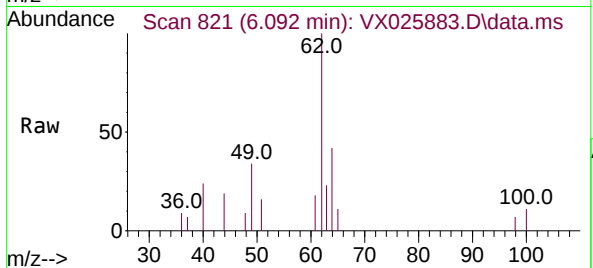
ClientSampleId :

Tgt Ion: 62 Resp: 3016

Ion Ratio Lower Upper

62 100

98 5.6 0.0 18.8



#44

Trichloroethene

Concen: 53.135 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025883.D

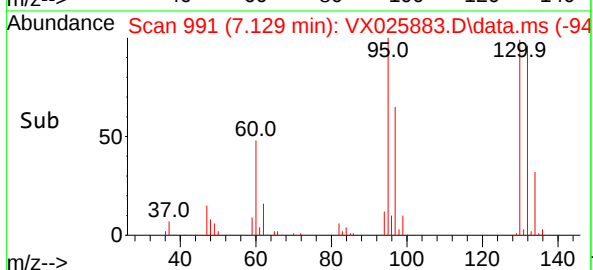
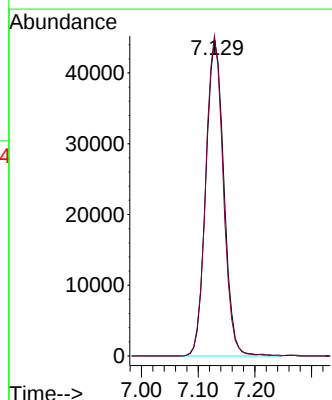
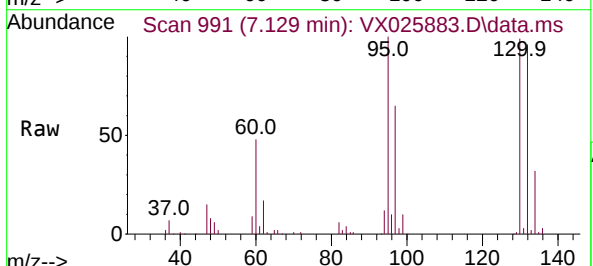
Acq: 17 Dec 2021 14:18

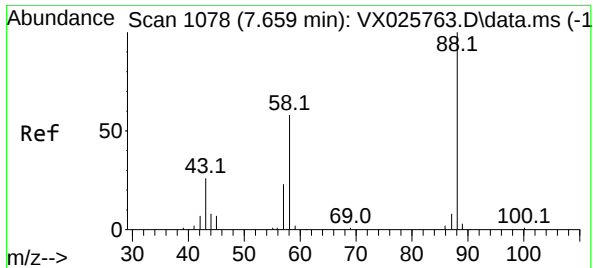
Tgt Ion:130 Resp: 98567

Ion Ratio Lower Upper

130 100

95 101.1 0.0 186.4

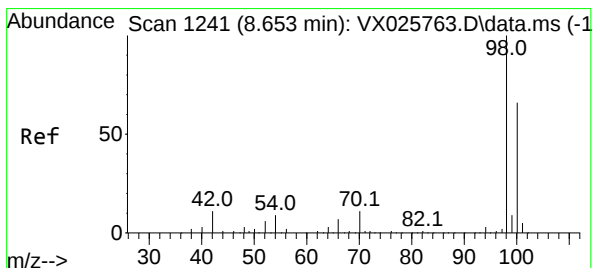
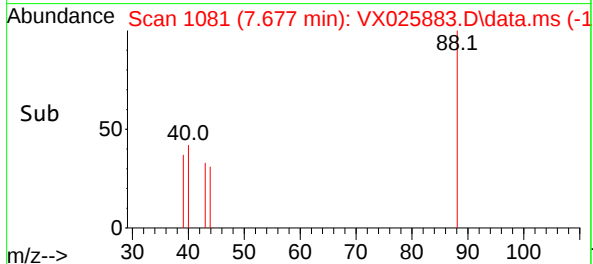
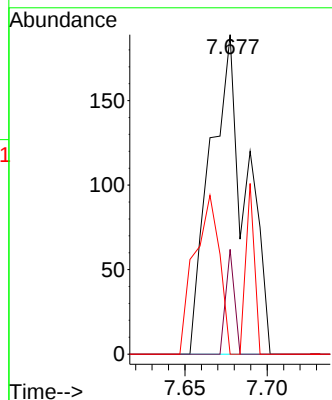
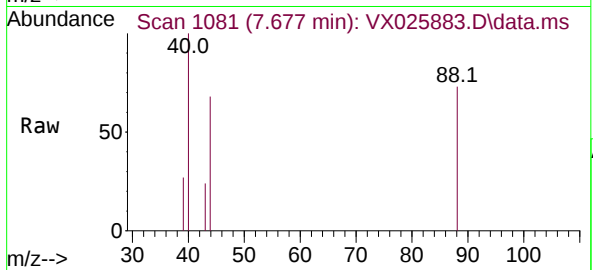




#49
1,4-Dioxane
Concen: 6.934 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

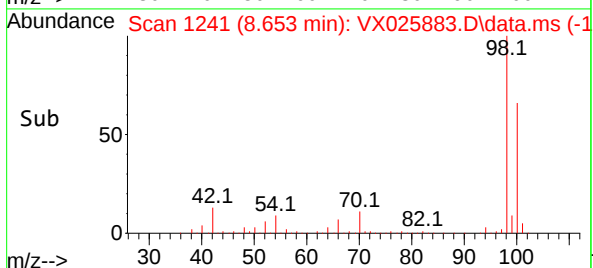
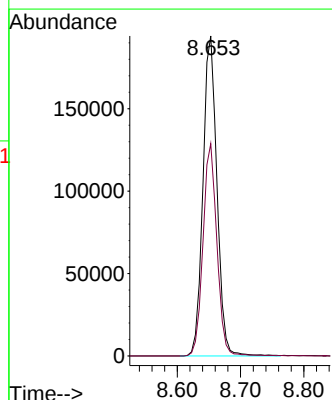
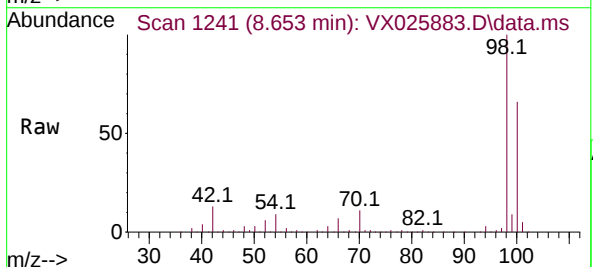
Instrument :
MSVOA_X
ClientSampleId :

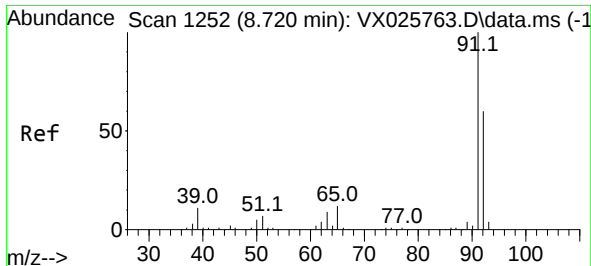
Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 8.1 25.3 37.9#
58 13.0 51.8 77.6#



#50
Toluene-d8
Concen: 49.916 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 98 Resp: 299565
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

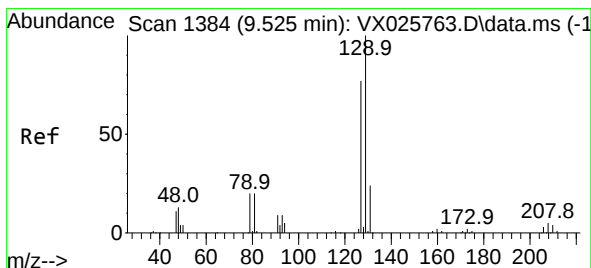
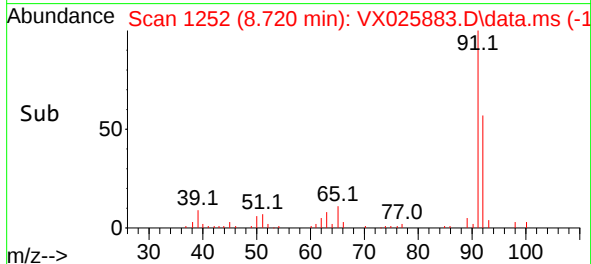
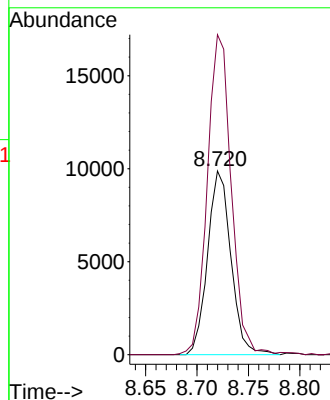
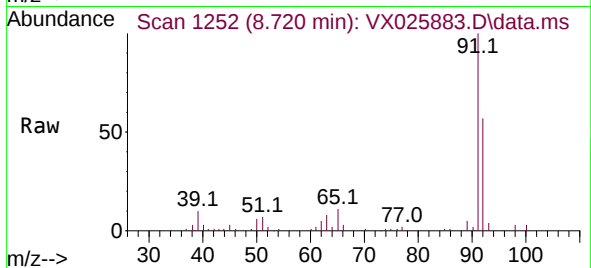




#52
Toluene
Concen: 3.684 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

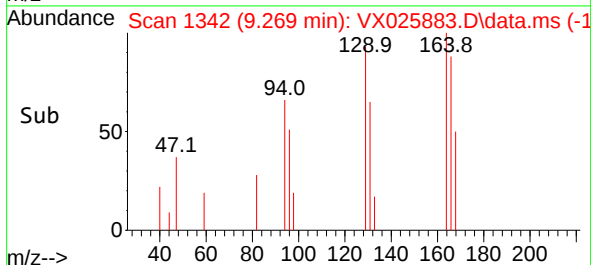
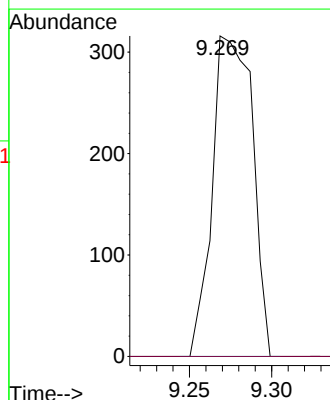
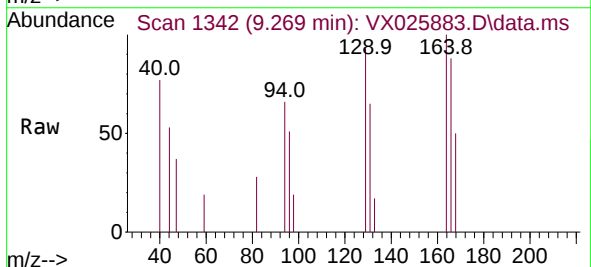
Instrument :
MSVOA_X
ClientSampleId :

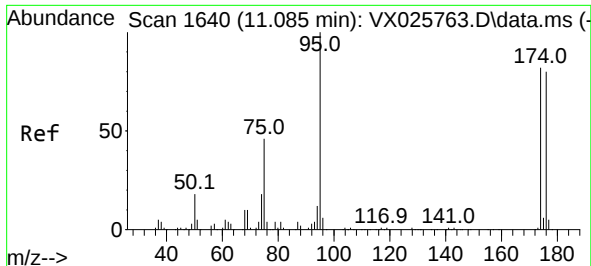
Tgt Ion: 92 Resp: 15640
Ion Ratio Lower Upper
92 100
91 178.5 136.0 204.0



#60
Dibromochloromethane
Concen: 0.259 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion:129 Resp: 535
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

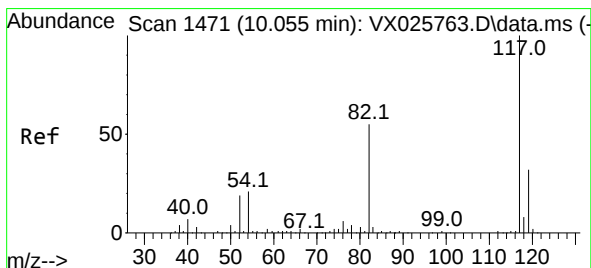
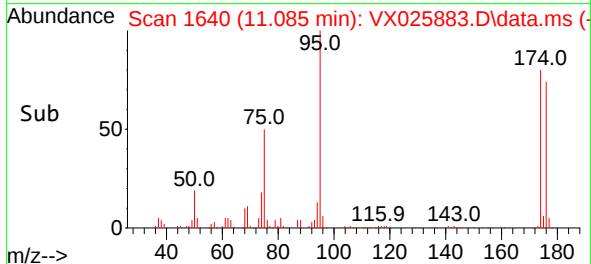
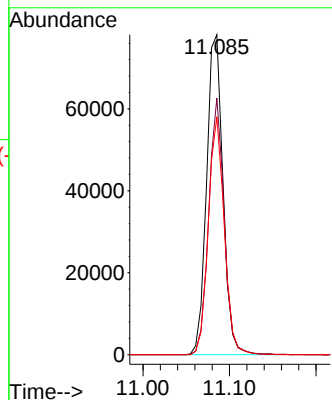
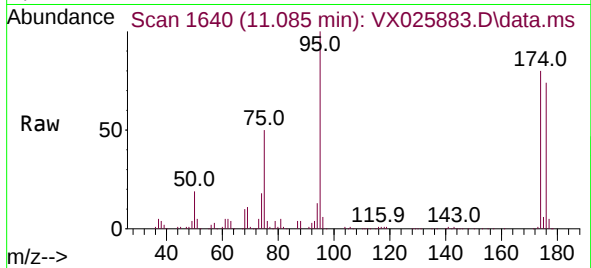




#62
4-Bromofluorobenzene
Concen: 45.159 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

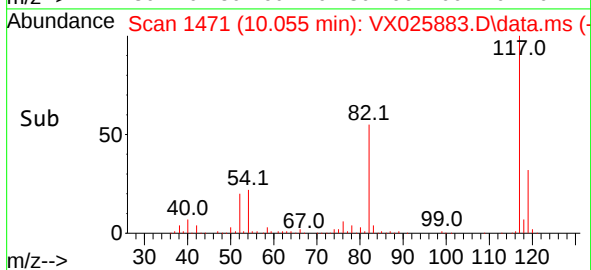
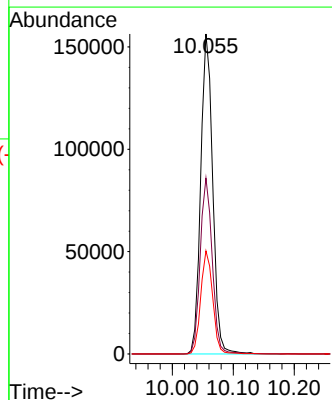
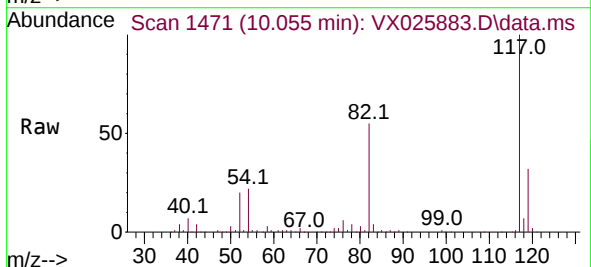
Instrument :
MSVOA_X
ClientSampleId :

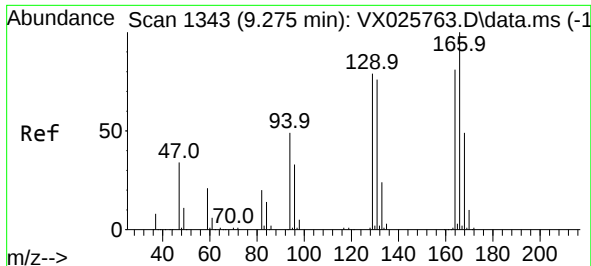
Tgt Ion: 95 Resp: 102950
Ion Ratio Lower Upper
95 100
174 75.3 0.0 157.4
176 72.1 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

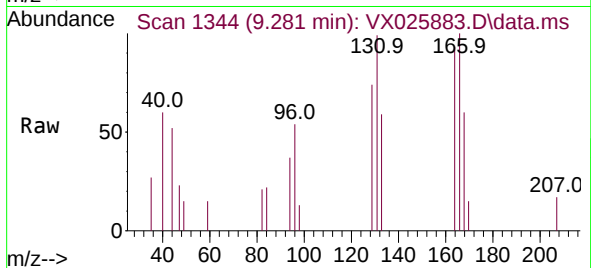
Tgt Ion: 117 Resp: 213440
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.6
119 32.2 25.2 37.8



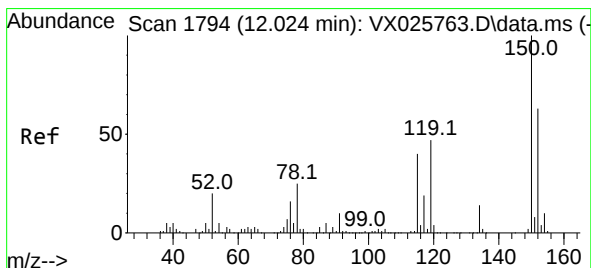
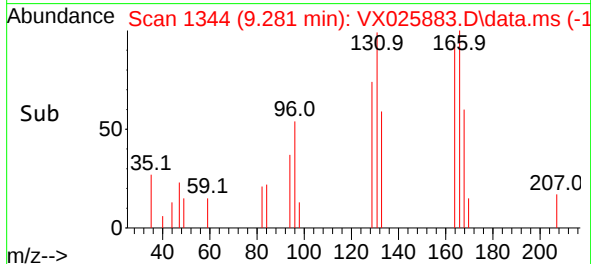
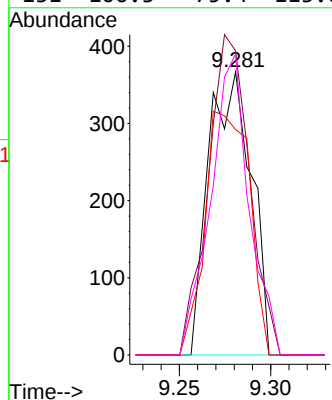


#64
Tetrachloroethene
Concen: 0.349 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :

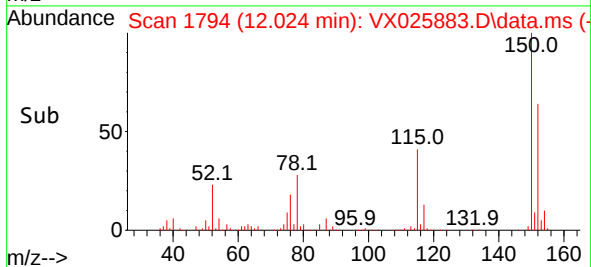
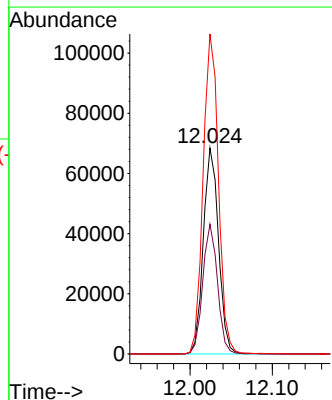
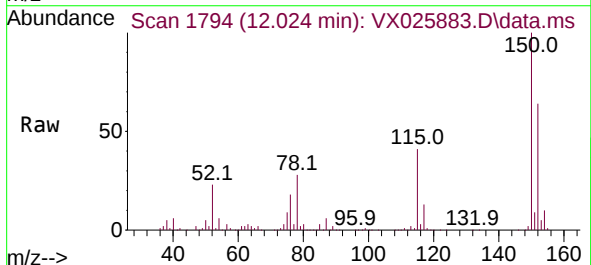


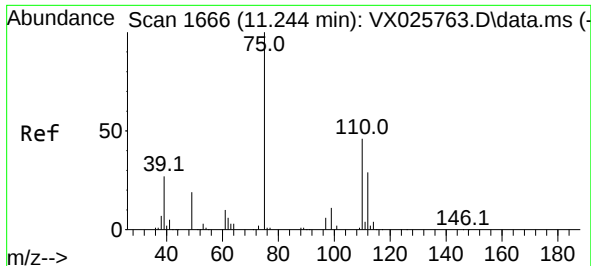
Tgt Ion:	164	Resp:	594
Ion	Ratio	Lower	Upper
164	100		
166	107.4	99.4	149.0
129	79.6	78.6	118.0
131	106.3	75.4	113.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion:	152	Resp:	87725
Ion	Ratio	Lower	Upper
152	100		
115	61.3	41.3	123.9
150	156.9	0.0	351.8

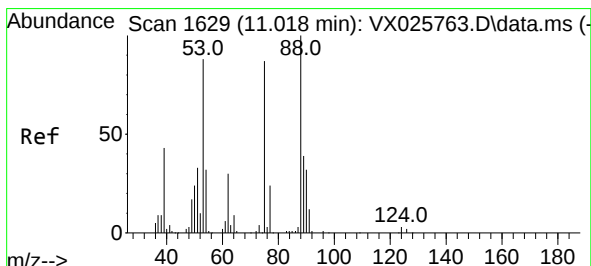
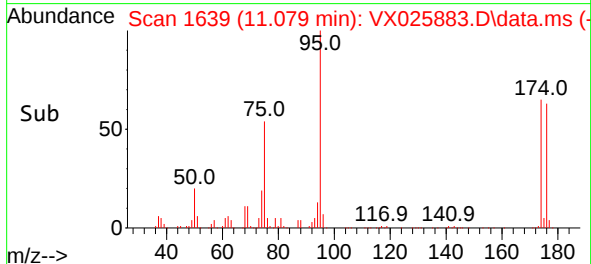
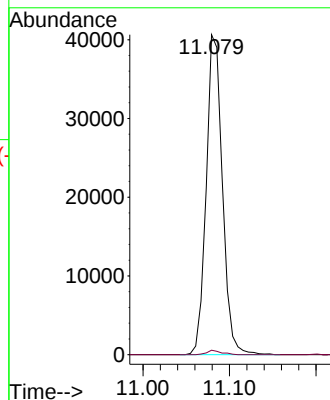
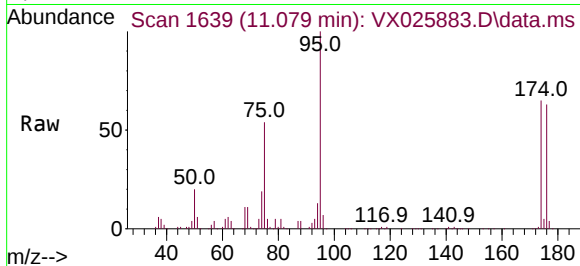




#76
1,2,3-Trichloropropane
Concen: 26.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

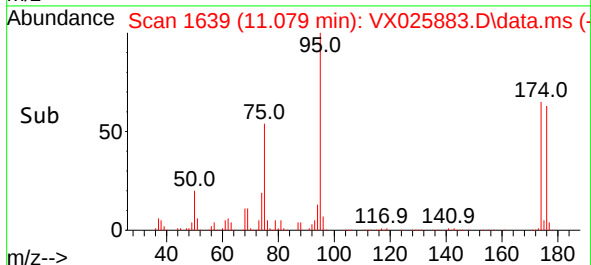
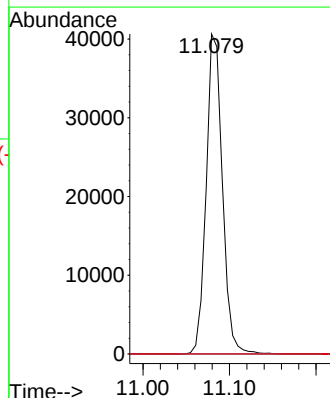
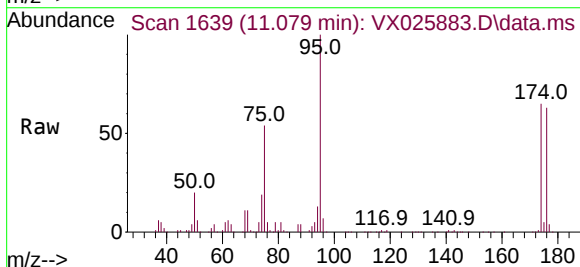
Instrument :
MSVOA_X
ClientSampleId :

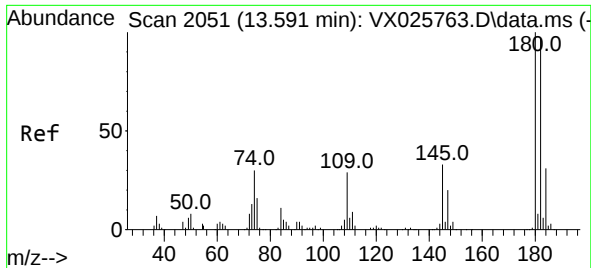
Tgt Ion: 75 Resp: 52811
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.460 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion: 75 Resp: 52811
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

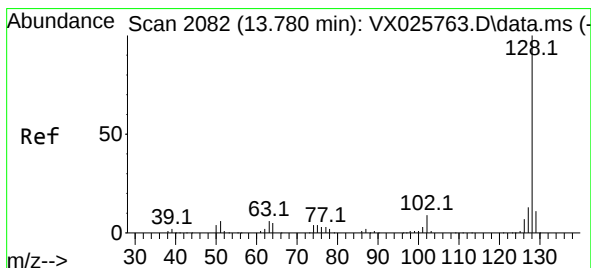
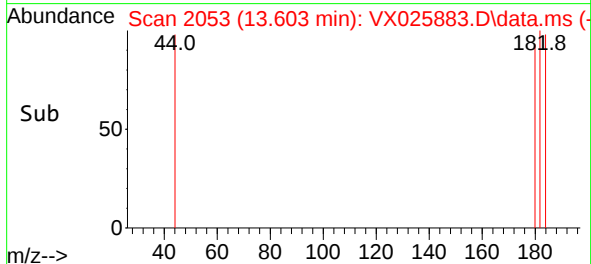
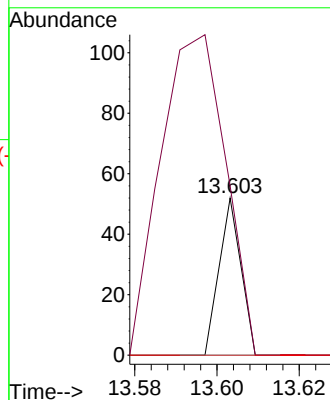
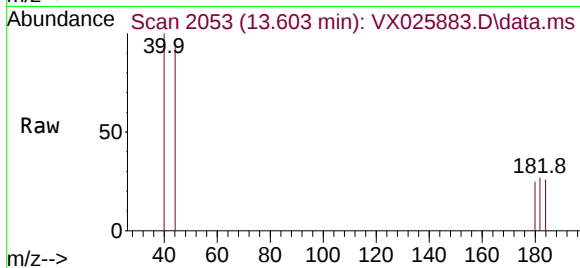




#93
1,2,4-Trichlorobenzene
Concen: 3.380 ug/l
RT: 13.603 min Scan# 2053
Delta R.T. 0.012 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 19
Ion Ratio Lower Upper
180 100
182 610.5 47.2 141.6#
145 0.0 16.3 48.9#



#95
Naphthalene
Concen: 2.450 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025883.D
Acq: 17 Dec 2021 14:18

Tgt Ion:128 Resp: 244
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

