

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031065.D
 Acq On : 02 Sep 2022 14:28
 Operator : JC/MD
 Sample : N4298-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 03 00:49:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

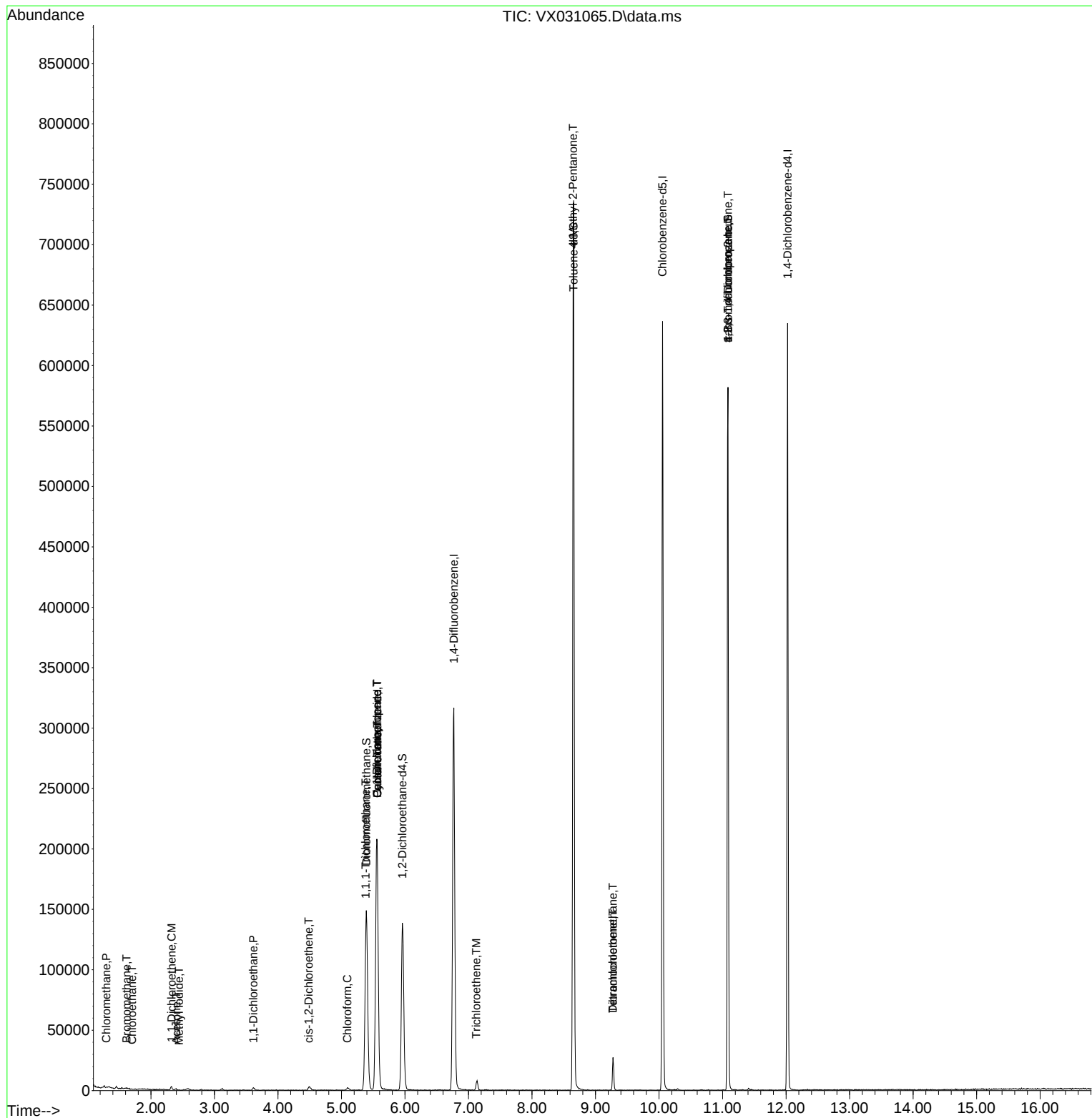
Internal Standards						
1) Pentafluorobenzene	5.562	168	217353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	352465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134590	48.125	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.260%
35) Dibromofluoromethane	5.391	113	133434	51.876	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.760%
50) Toluene-d8	8.653	98	473931	50.064	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.085	95	159425	47.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	131	0.761	ug/l #	42
5) Bromomethane	1.618	94	244	0.234	ug/l	97
6) Chloroethane	1.703	64	192	1.848	ug/l #	41
10) Methyl Iodide	2.441	142	28	2.919	ug/l #	45
11) Tert butyl alcohol	2.977	59	33	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	1110	0.440	ug/l #	75
16) Acetone	2.398	43	971	0.899	ug/l #	50
20) Methylene Chloride	2.788	84	244	Below Cal	#	67
24) 1,1-Dichloroethane	3.611	63	2387	0.524	ug/l #	90
27) cis-1,2-Dichloroethene	4.483	96	2234	0.709	ug/l	79
30) Chloroform	5.093	83	2357	0.472	ug/l #	81
31) Cyclohexane	5.562	56	3074	0.805	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	1387	0.324	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	14617	4.057	ug/l #	43
38) Carbon Tetrachloride	5.562	117	19672	5.260	ug/l #	19
44) Trichloroethene	7.123	130	3042	0.929	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	1478	0.470	ug/l #	1
60) Dibromochloromethane	9.275	129	5021	1.696	ug/l #	11
64) Tetrachloroethene	9.275	164	5486	1.742	ug/l #	88
76) 1,2,3-Trichloropropane	11.085	75	73449	21.832	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	73449	68.612	ug/l #	13

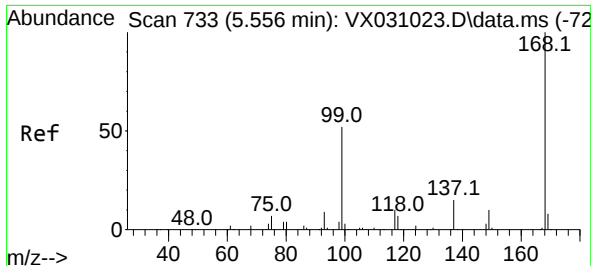
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 03 00:49:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

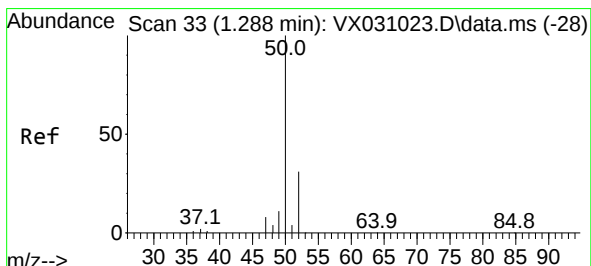
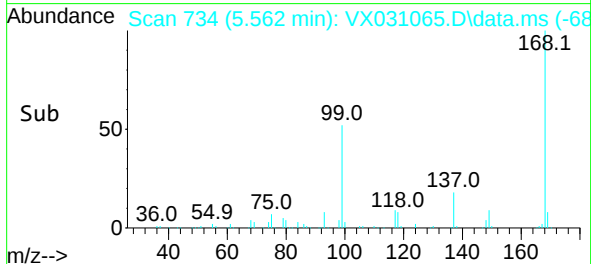
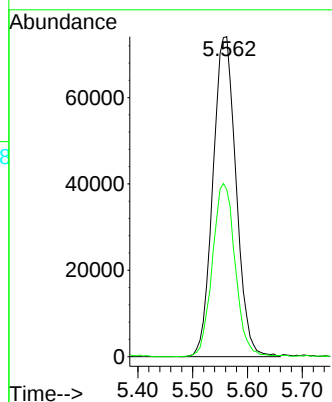
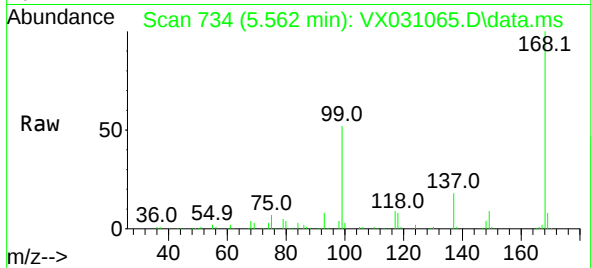




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

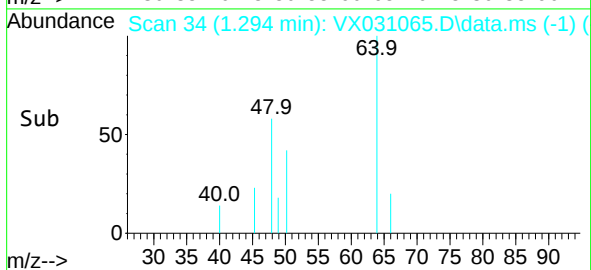
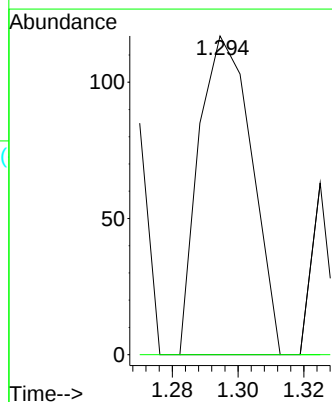
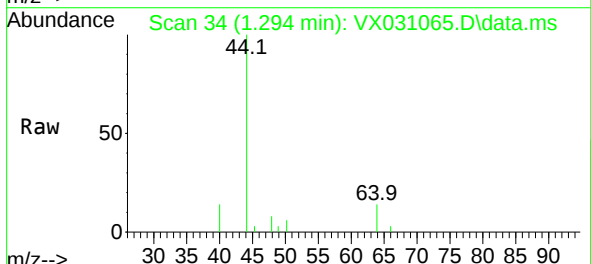
Instrument :
MSVOA_X
ClientSampleId :

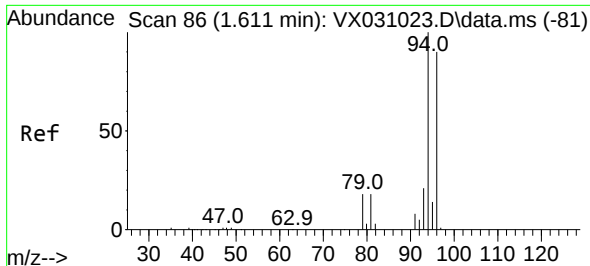
Tgt Ion:168 Resp: 217353
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#3
Chloromethane
Concen: 0.761 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion: 50 Resp: 131
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

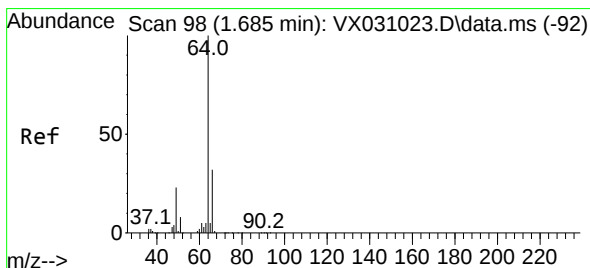
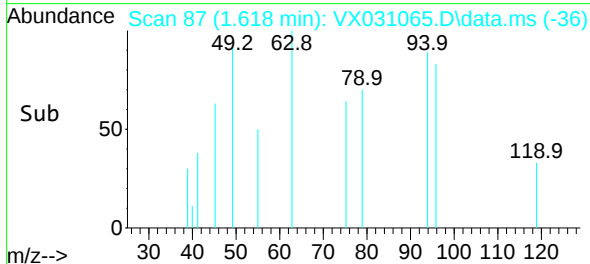
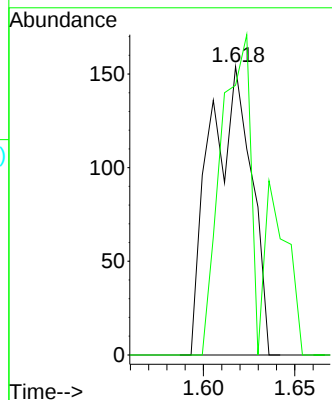
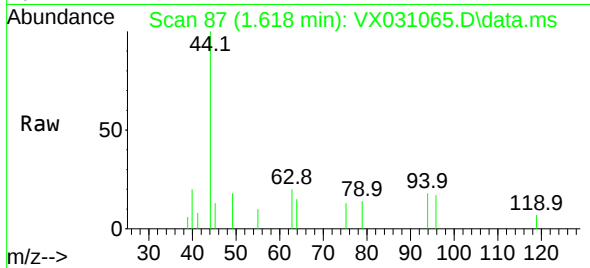




#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

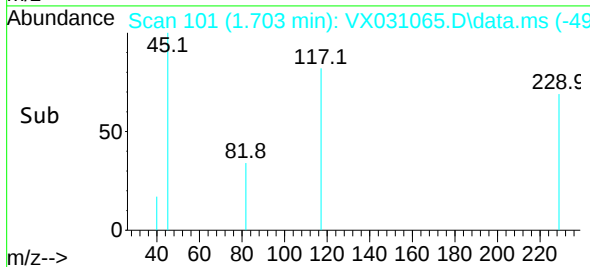
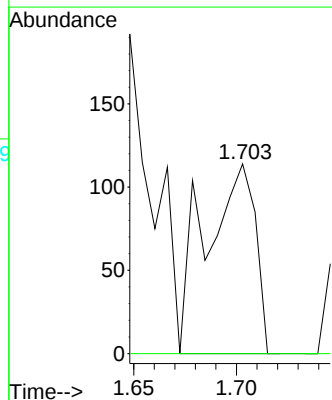
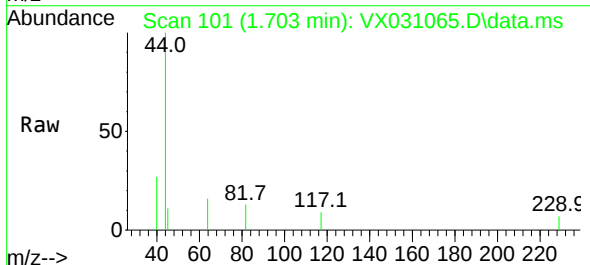
Instrument :
MSVOA_X
ClientSampleId :

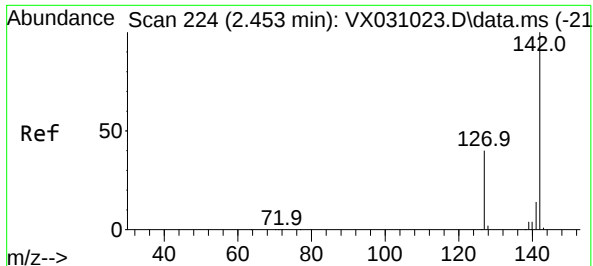
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 93.5 76.9 115.3



#6
Chloroethane
Concen: 1.848 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

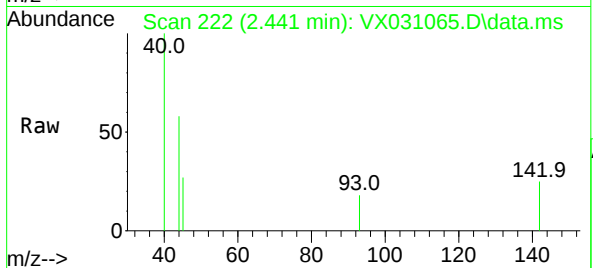
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



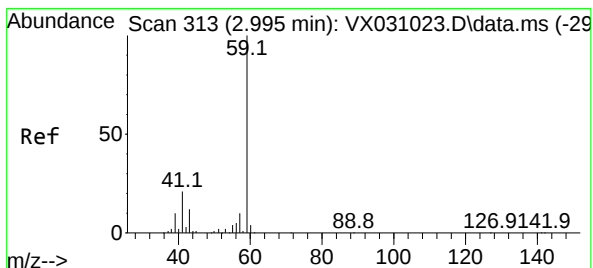
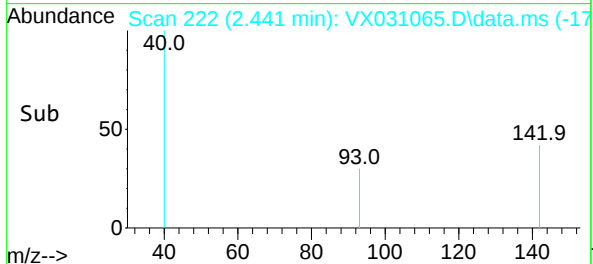
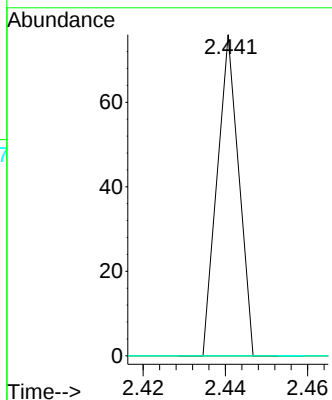


#10
Methyl Iodide
Concen: 2.919 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Instrument :
MSVOA_X
ClientSampleId :

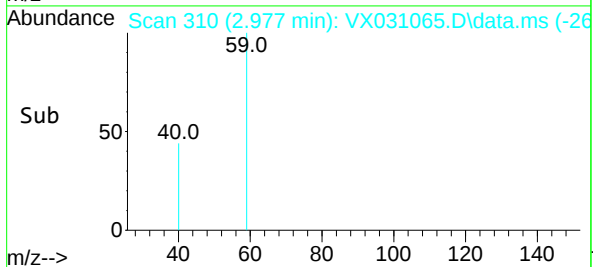
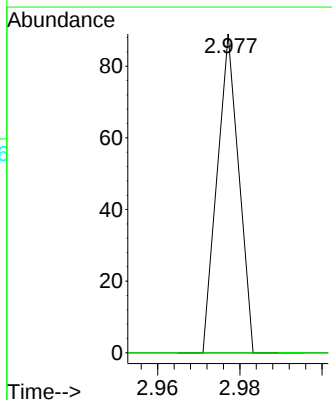
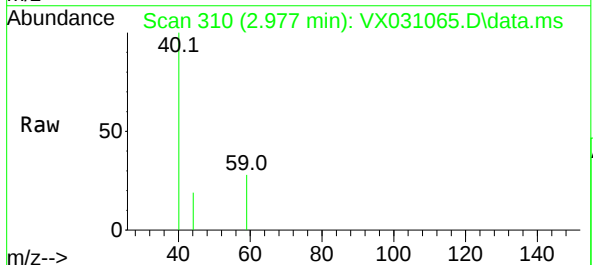


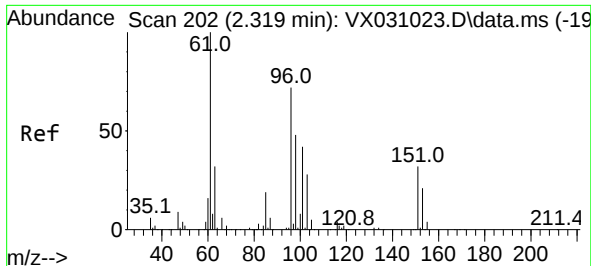
Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

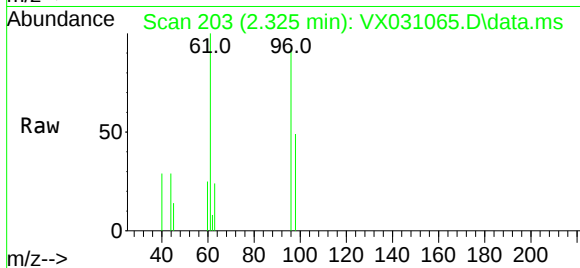
Tgt Ion: 59 Resp: 33
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



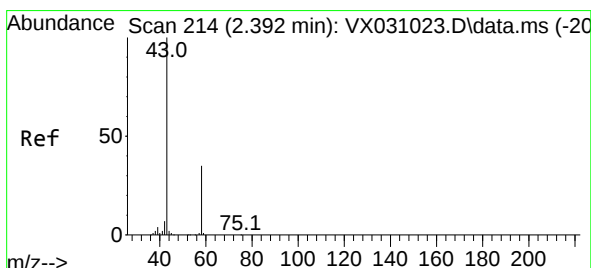
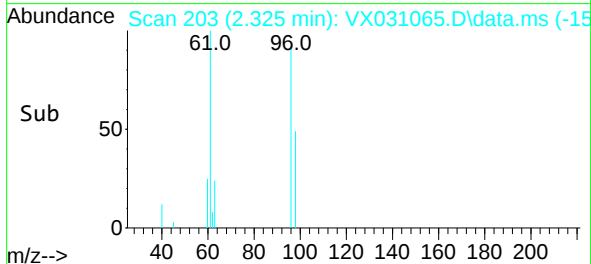
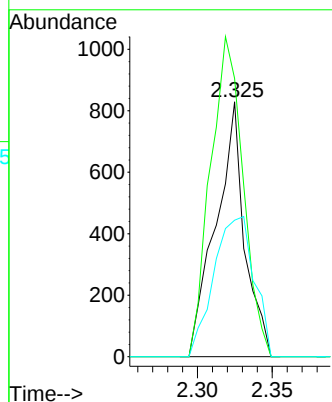


#12
1,1-Dichloroethene
Concen: 0.440 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Instrument :
MSVOA_X
ClientSampleId :

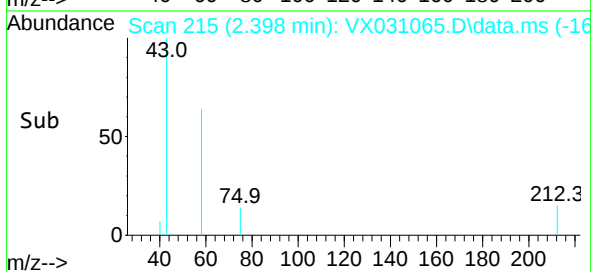
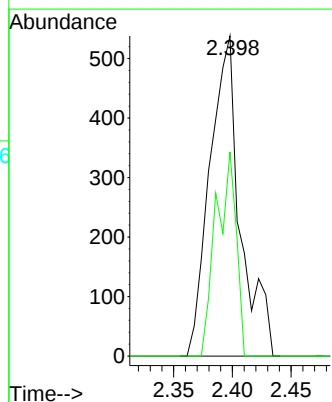
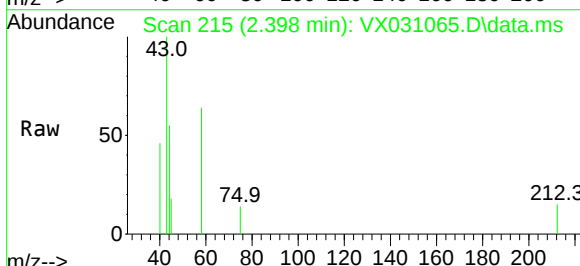


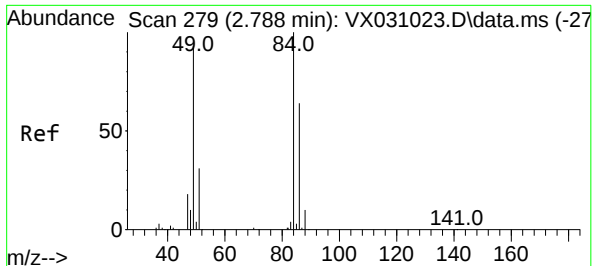
Tgt Ion: 96 Resp: 1110
Ion Ratio Lower Upper
96 100
61 109.2 117.4 176.0#
98 53.6 52.2 78.4



#16
Acetone
Concen: 0.899 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
58 63.8 27.7 41.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

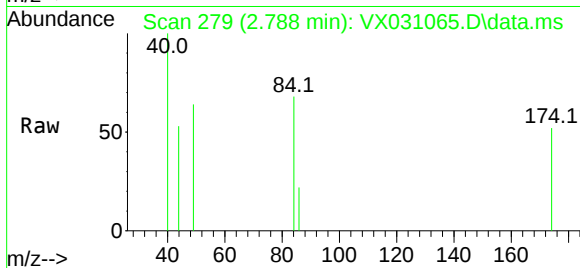
Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 244

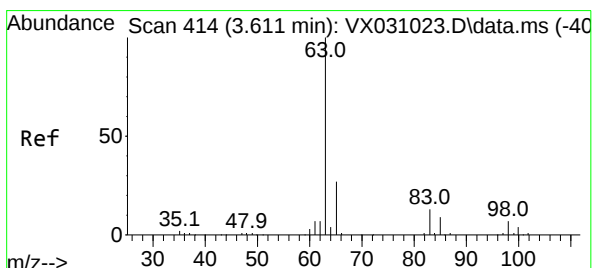
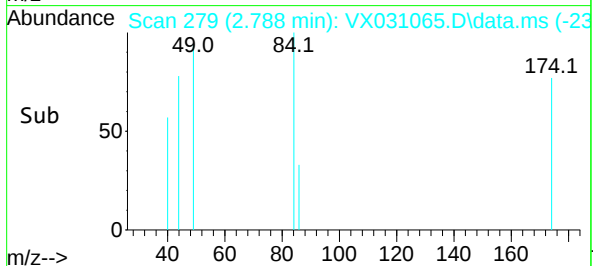
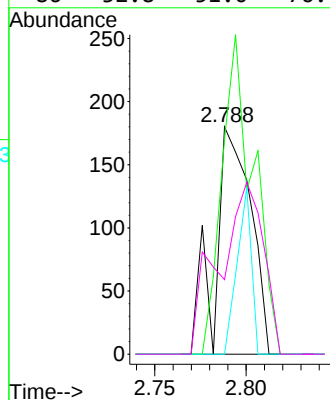
Ion Ratio Lower Upper

84 100

49 94.4 93.8 140.6

51 0.0 29.4 44.0#

86 32.8 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.524 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

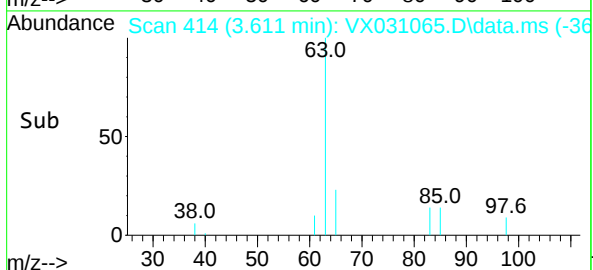
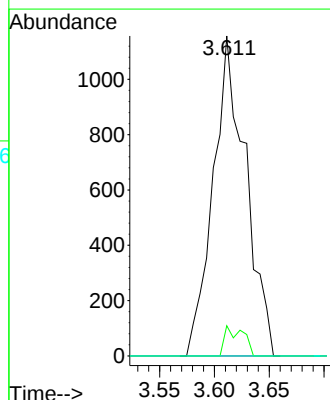
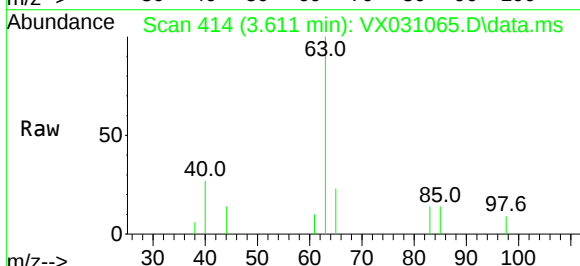
Tgt Ion: 63 Resp: 2387

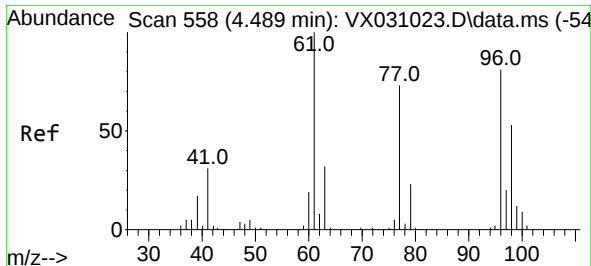
Ion Ratio Lower Upper

63 100

98 9.4 3.5 10.5

100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 0.709 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

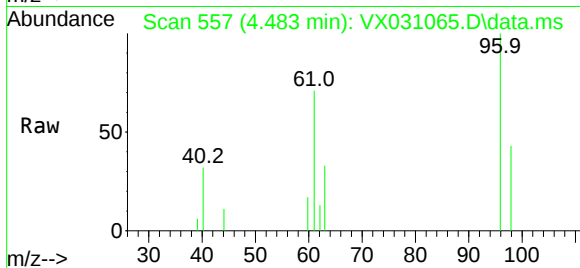
Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

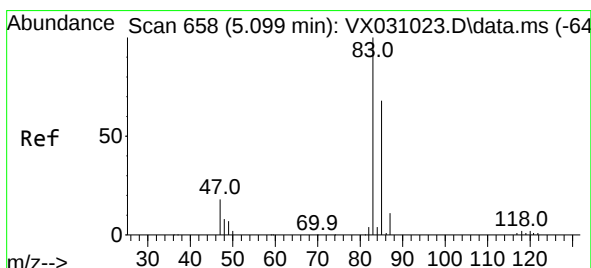
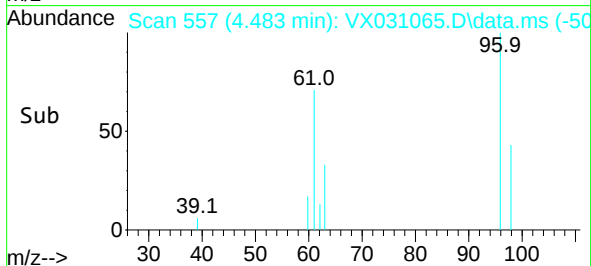
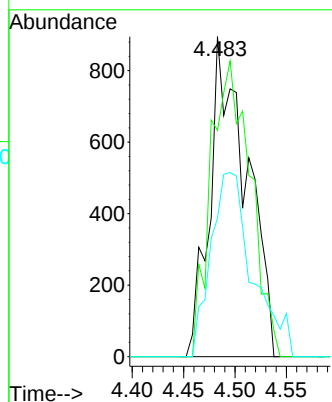
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	96	Resp:	2234
Ion	Ratio	Lower	Upper
96	100		
61	99.4	0.0	270.0
98	65.0	0.0	127.8



#30

Chloroform

Concen: 0.472 ug/l

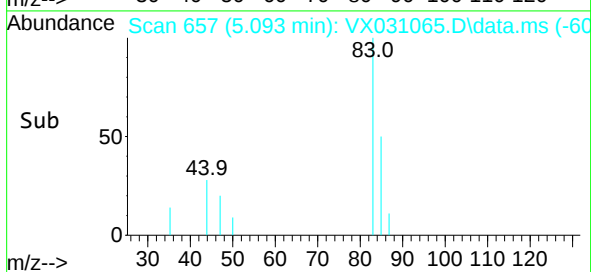
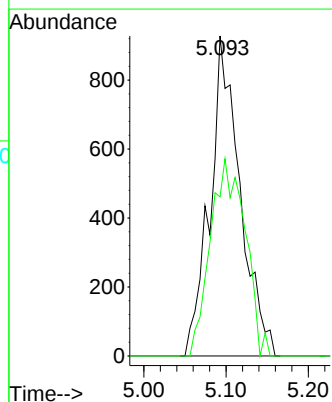
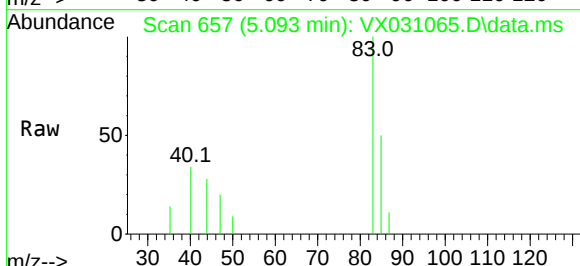
RT: 5.093 min Scan# 657

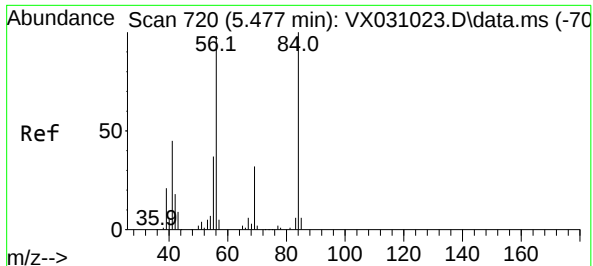
Delta R.T. -0.006 min

Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

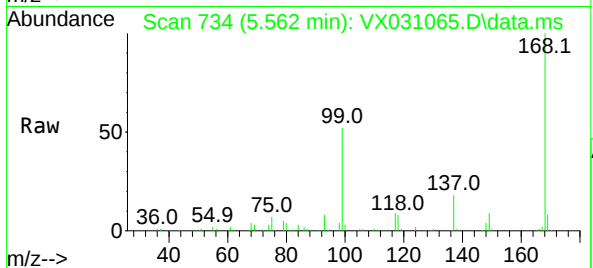
Tgt Ion:	83	Resp:	2357
Ion	Ratio	Lower	Upper
83	100		
85	49.7	51.5	77.3#



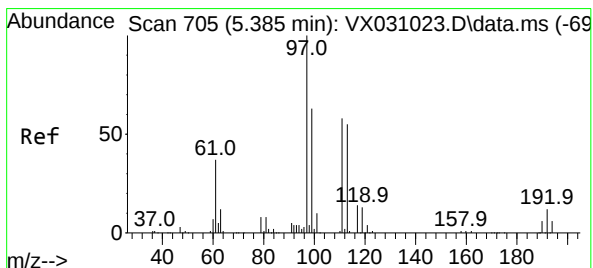
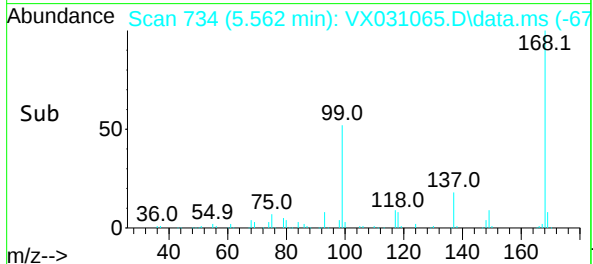
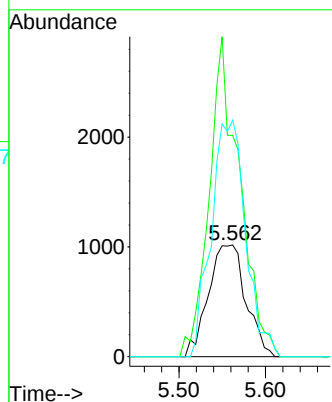


#31
Cyclohexane
Concen: 0.805 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Instrument :
MSVOA_X
ClientSampleId :

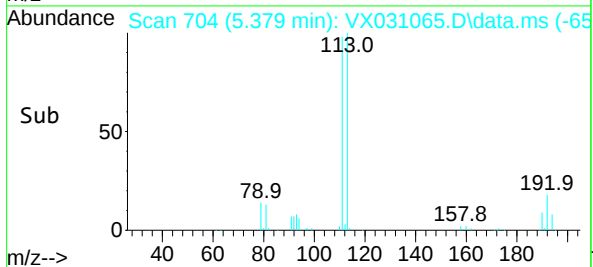
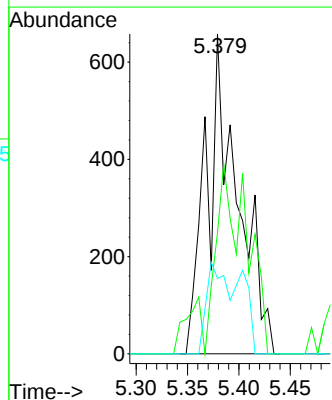
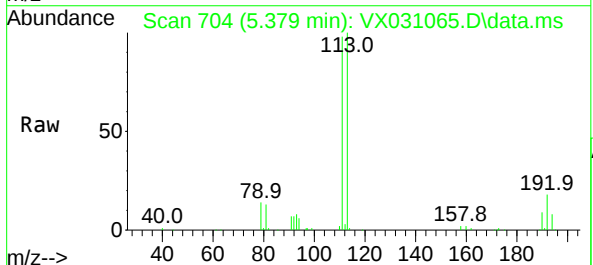


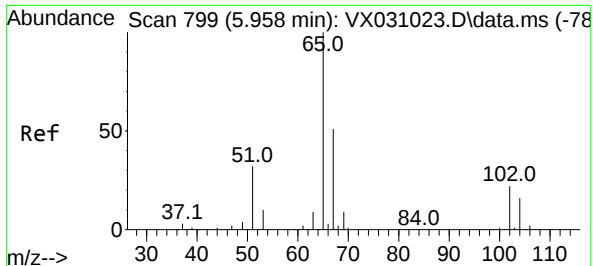
Tgt Ion: 56 Resp: 3074
Ion Ratio Lower Upper
56 100
69 198.2 25.4 38.0#
84 212.0 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 0.324 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion: 97 Resp: 1387
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 18.7 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 48.125 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

Instrument :

MSVOA_X

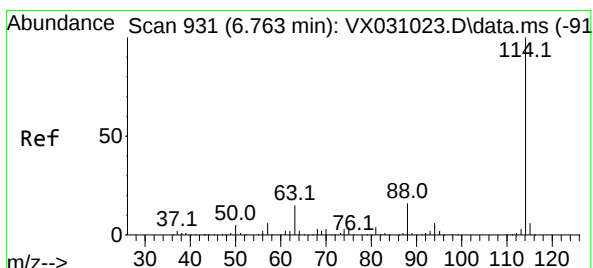
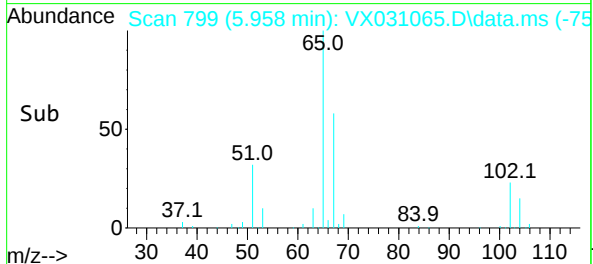
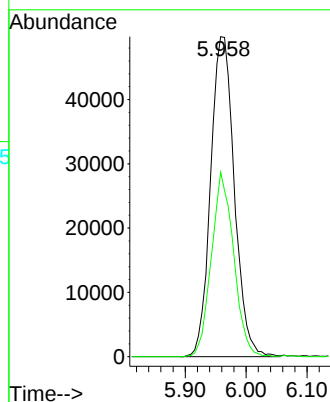
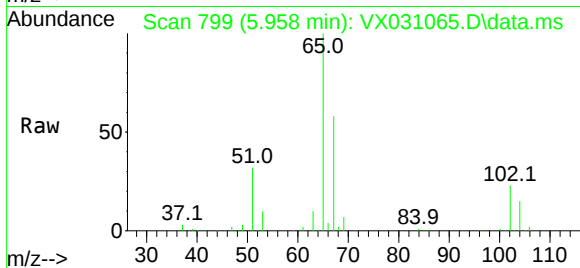
ClientSampleId :

Tgt Ion: 65 Resp: 134590

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

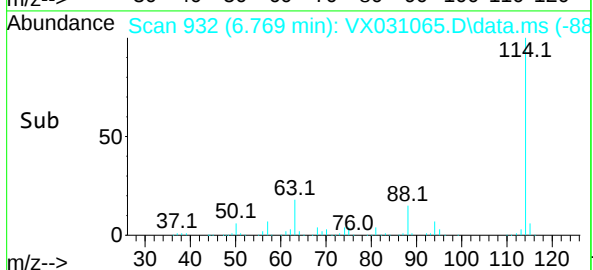
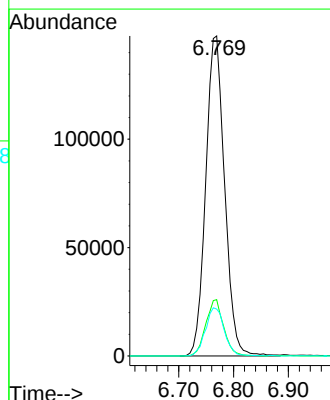
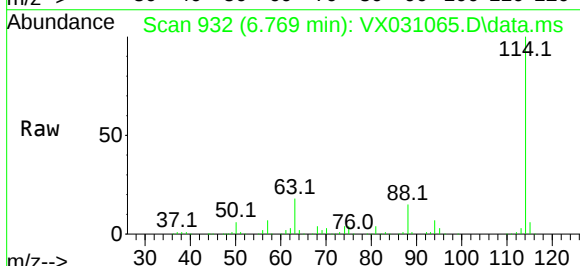
Tgt Ion: 114 Resp: 352465

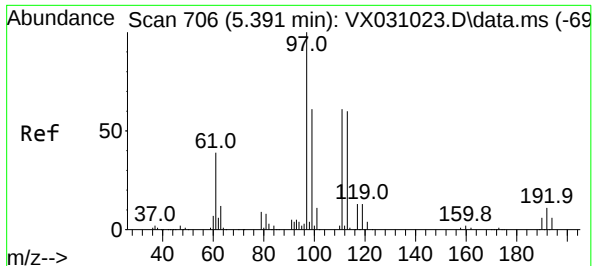
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.876 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

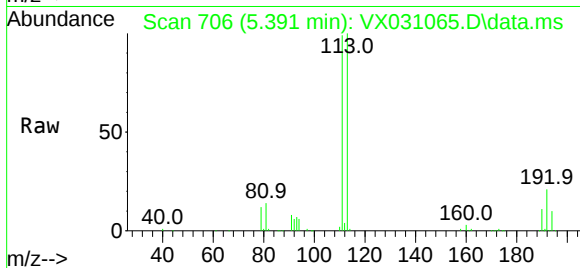
Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

Instrument :

MSVOA_X

ClientSampleId :



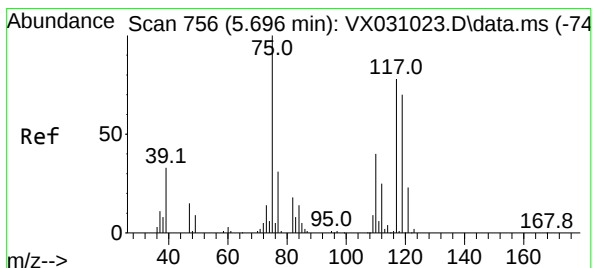
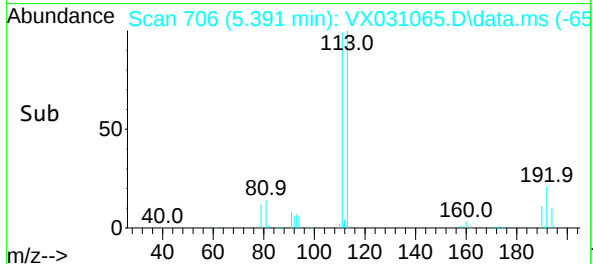
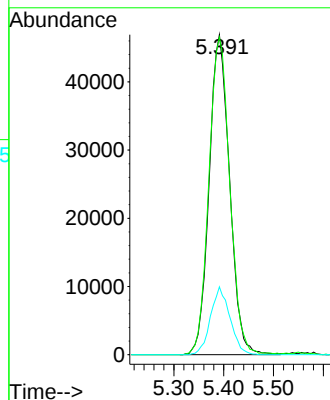
Tgt Ion:113 Resp: 133434

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

192 20.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.057 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

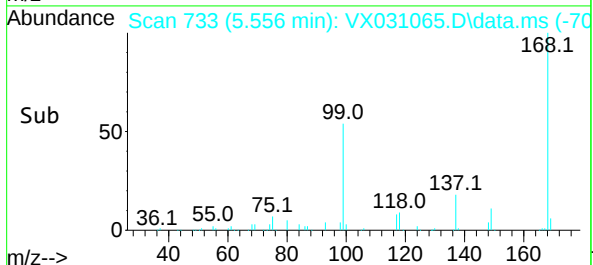
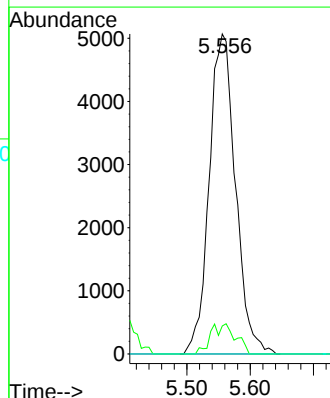
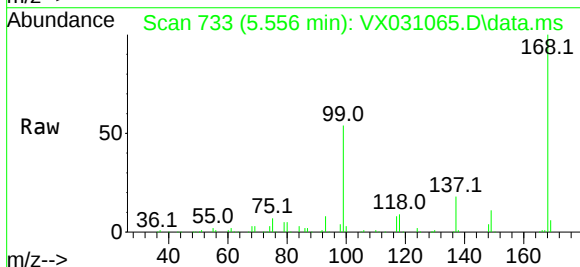
Tgt Ion: 75 Resp: 14617

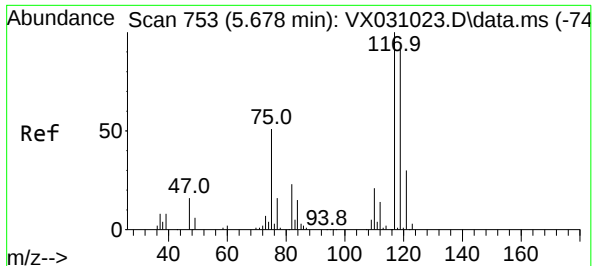
Ion Ratio Lower Upper

75 100

110 3.5 19.3 57.9#

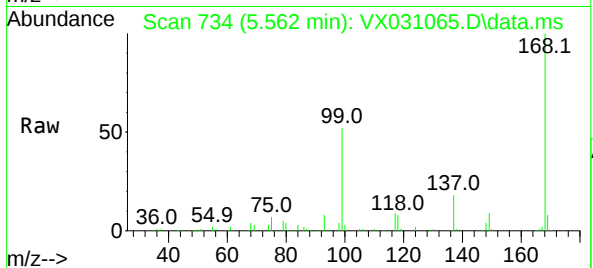
77 0.0 24.4 36.6#



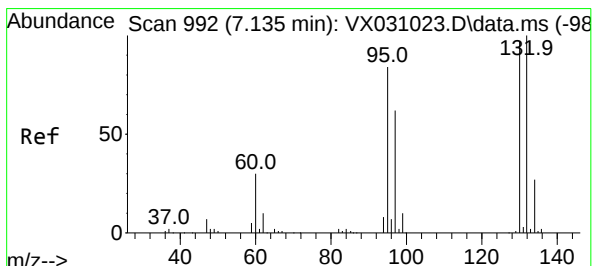
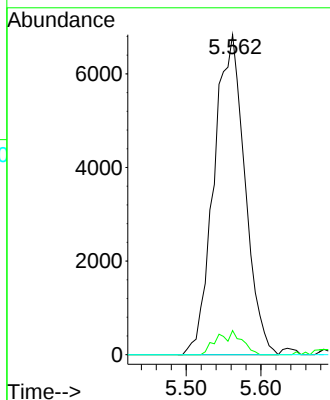
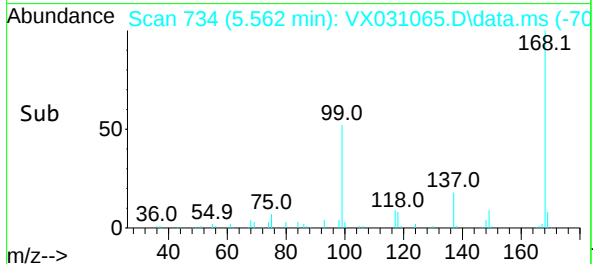


#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Instrument :
MSVOA_X
ClientSampleId :

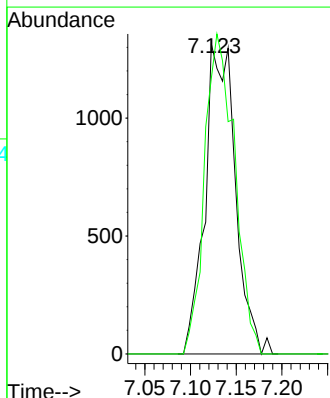
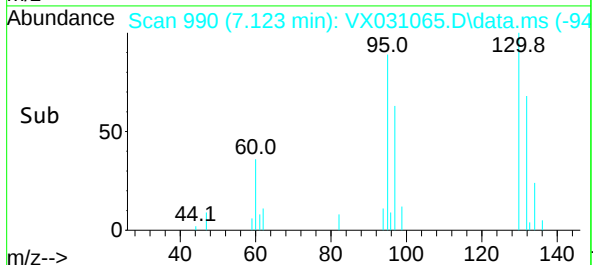
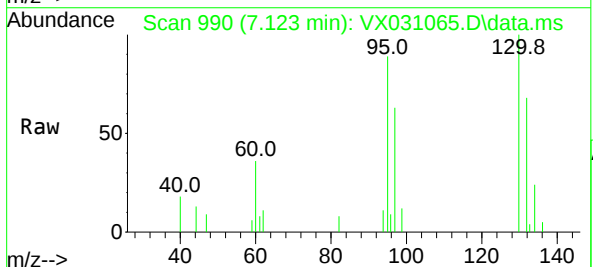


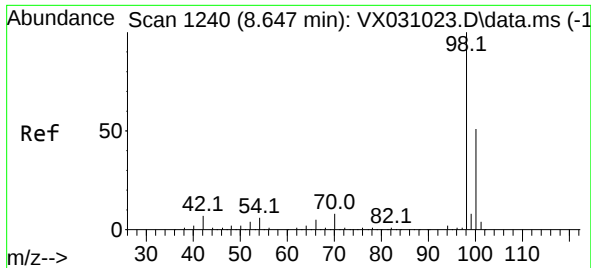
Tgt Ion:117 Resp: 19672
Ion Ratio Lower Upper
117 100
119 7.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.929 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion:130 Resp: 3042
Ion Ratio Lower Upper
130 100
95 88.9 0.0 194.8

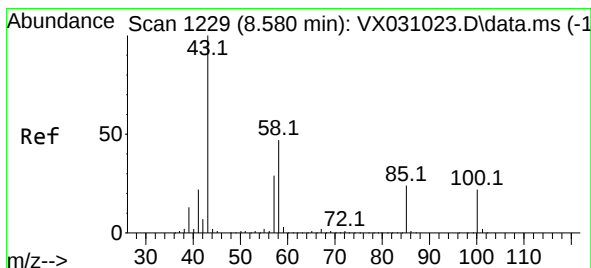
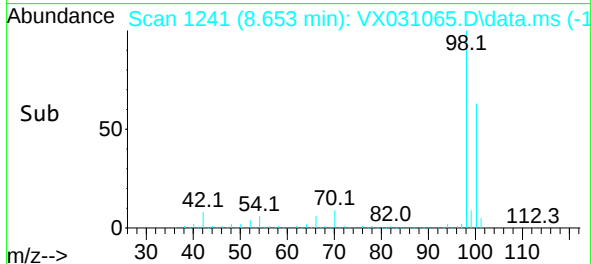
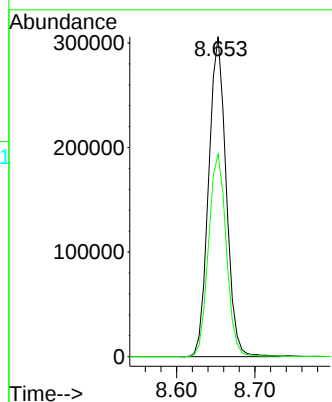
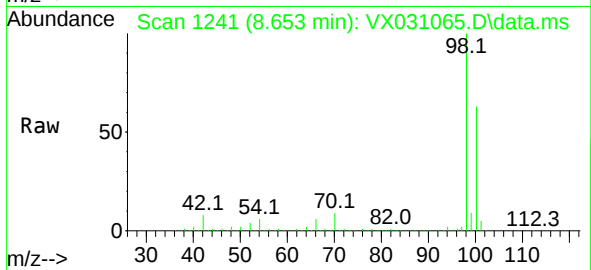




#50
Toluene-d8
Concen: 50.064 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

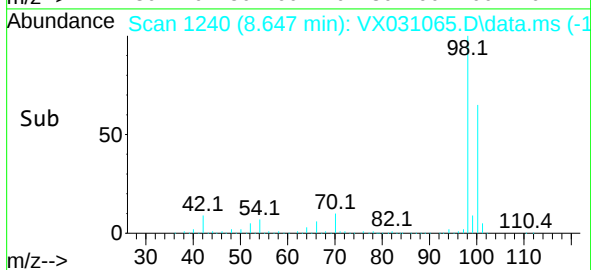
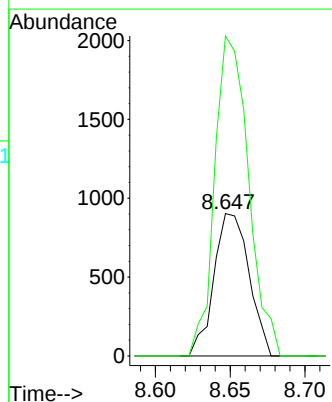
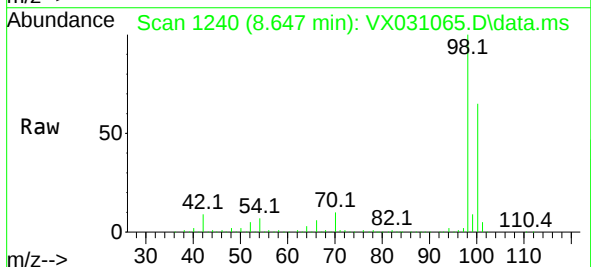
Instrument :
MSVOA_X
ClientSampleId :

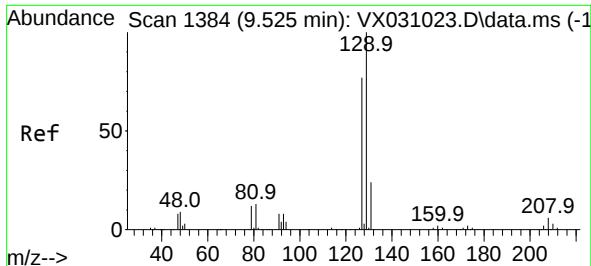
Tgt Ion: 98 Resp: 473931
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 216.4 31.4 47.2#

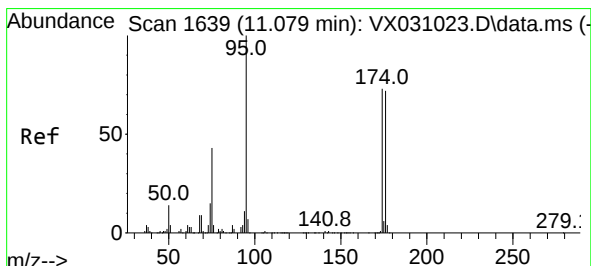
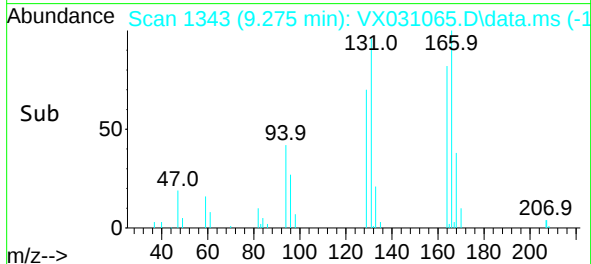
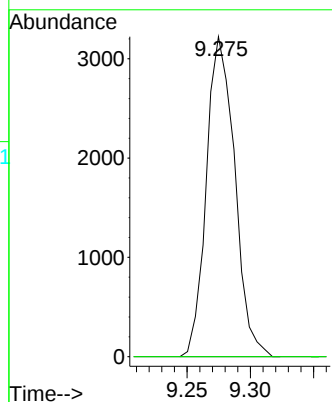
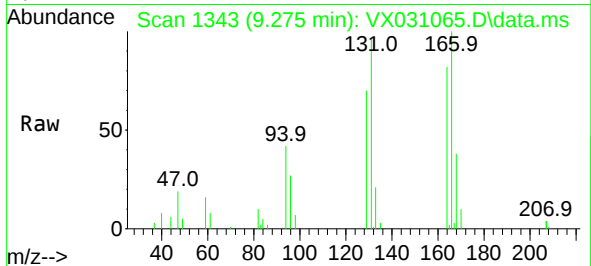




#60
Dibromochloromethane
Concen: 1.696 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

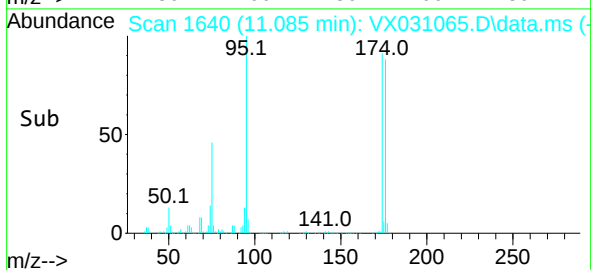
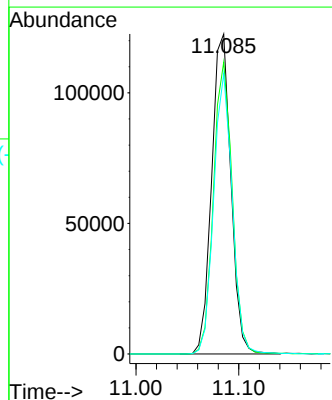
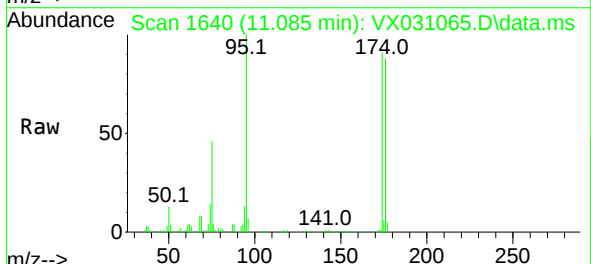
Instrument :
MSVOA_X
ClientSampleId :

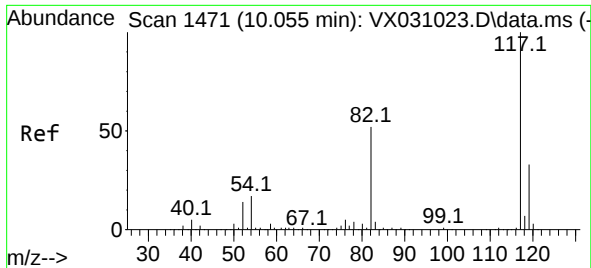
Tgt Ion:129 Resp: 5021
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.681 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion: 95 Resp: 159425
Ion Ratio Lower Upper
95 100
174 88.6 0.0 149.0
176 84.7 0.0 146.0

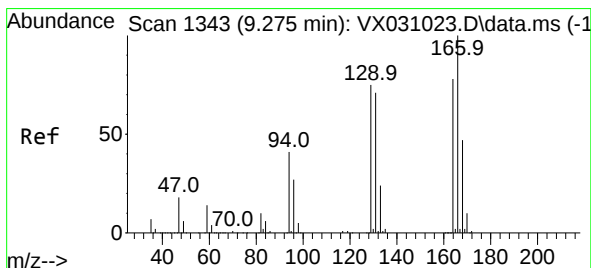
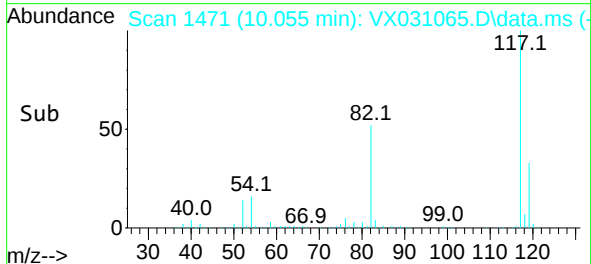
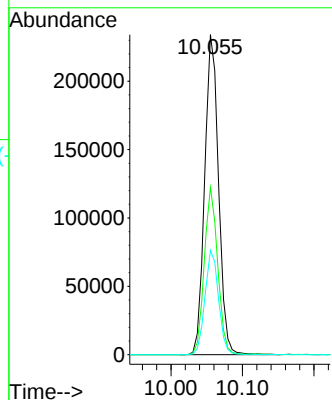
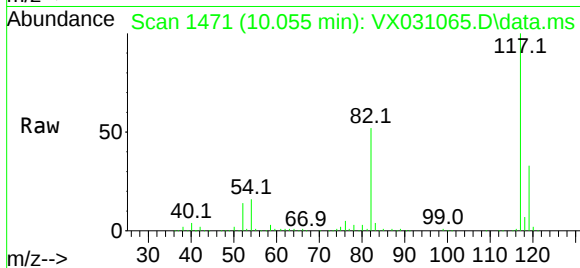




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

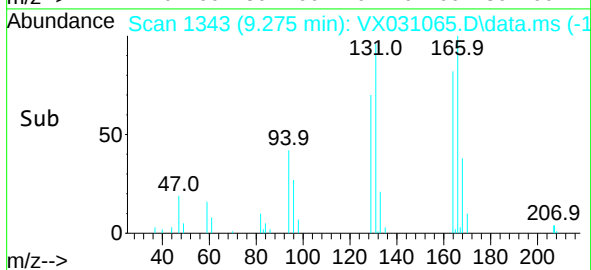
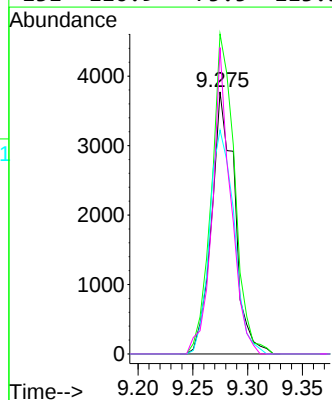
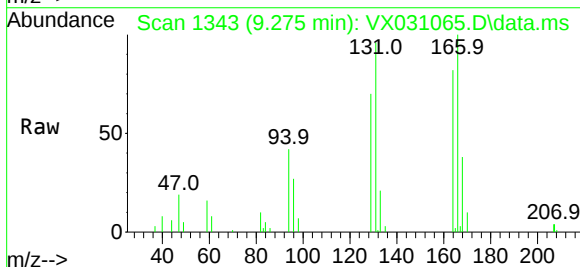
Instrument :
MSVOA_X
ClientSampleId :

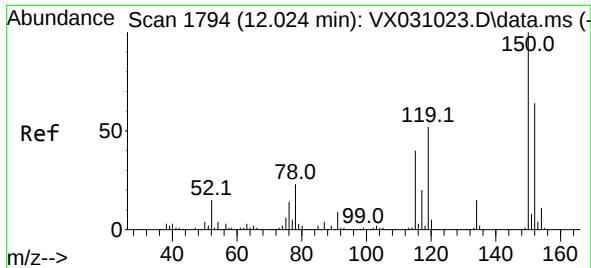
Tgt Ion:117 Resp: 315451
Ion Ratio Lower Upper
117 100
82 52.3 42.7 64.1
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 1.742 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031065.D
Acq: 02 Sep 2022 14:28

Tgt Ion:164 Resp: 5486
Ion Ratio Lower Upper
164 100
166 122.1 98.2 147.4
129 85.4 80.8 121.2
131 116.9 75.5 113.3#

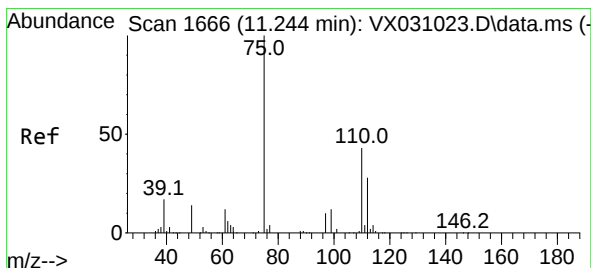
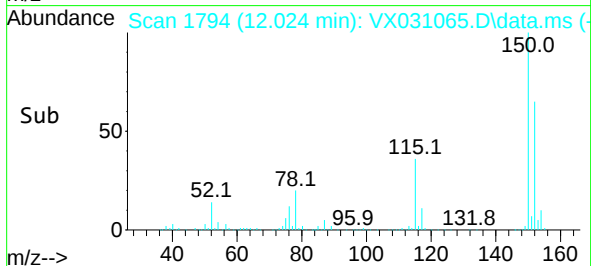
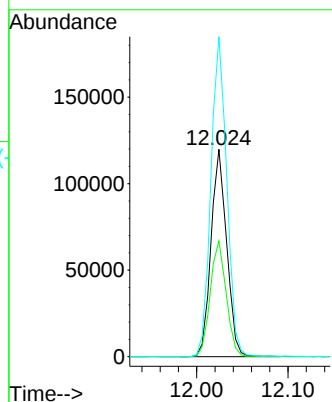
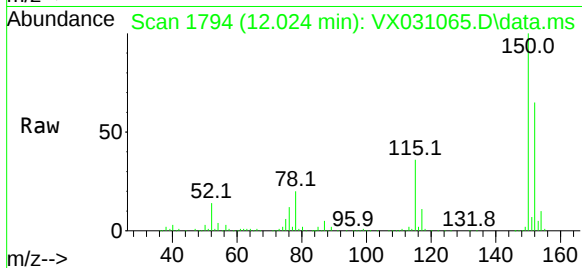




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031065.D
 Acq: 02 Sep 2022 14:28

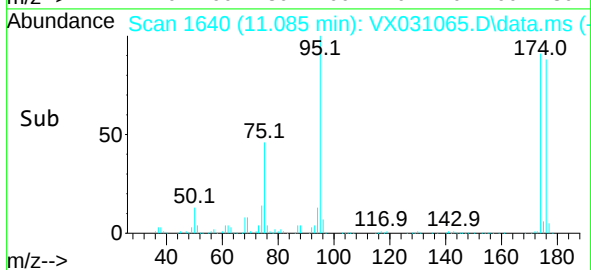
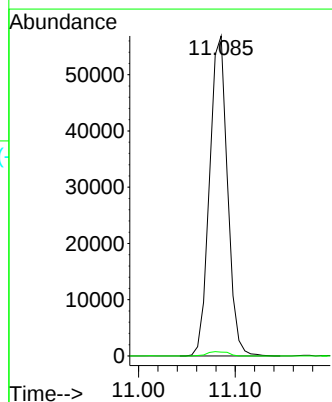
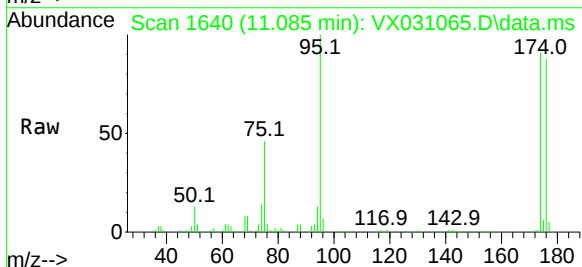
Instrument :
 MSVOA_X
 ClientSampleId :

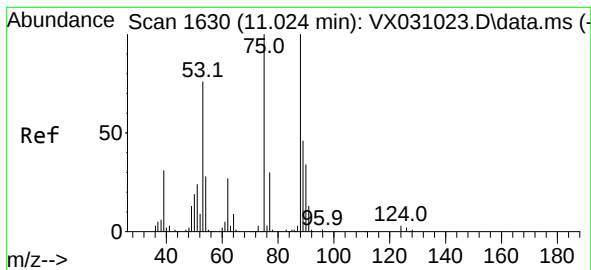
Tgt Ion:152 Resp: 142319
 Ion Ratio Lower Upper
 152 100
 115 56.8 40.5 121.5
 150 156.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.832 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX031065.D
 Acq: 02 Sep 2022 14:28

Tgt Ion: 75 Resp: 73449
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.612 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.061 min

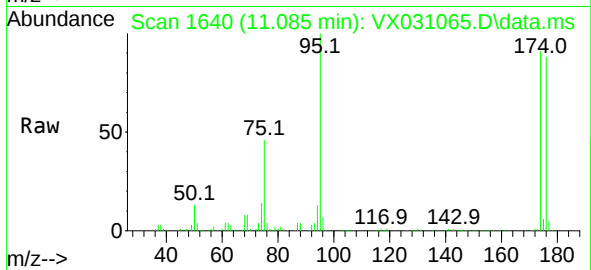
Lab File: VX031065.D

Acq: 02 Sep 2022 14:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 73449

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

