

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027595.D
 Acq On : 21 Mar 2022 18:47
 Operator : JC/MD
 Sample : N2000-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:49:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

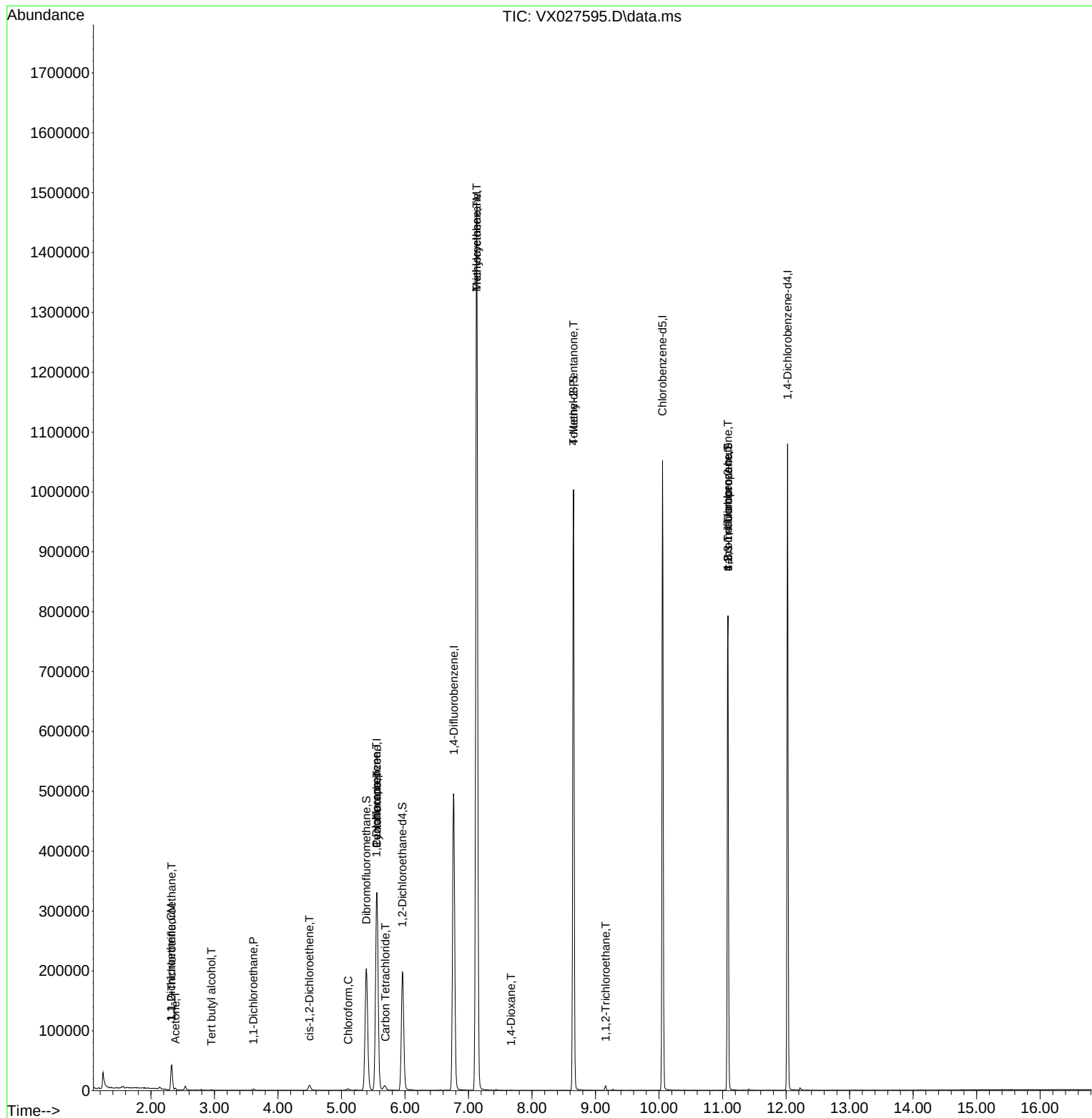
Internal Standards						
1) Pentafluorobenzene	5.556	168	332878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	553296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	231374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193870	47.277	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.560%		
35) Dibromofluoromethane	5.391	113	181006	50.847	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.700%		
50) Toluene-d8	8.653	98	637599	47.332	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.660%		
62) 4-Bromofluorobenzene	11.085	95	221305	44.697	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.400%		
Target Compounds						
5) Bromomethane	1.611	94	502	Below Cal	#	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	8915	2.767	ug/l	94
11) Tert butyl alcohol	2.953	59	358	0.458	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	8559	2.769	ug/l	92
16) Acetone	2.386	43	3317	1.984	ug/l	89
24) 1,1-Dichloroethane	3.611	63	2274	0.396	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	5687	1.487	ug/l	90
30) Chloroform	5.105	83	2747	0.433	ug/l	99
31) Cyclohexane	5.556	56	5497	1.080	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	22930	4.714	ug/l #	49
38) Carbon Tetrachloride	5.690	117	7306	1.313	ug/l	94
39) Methylcyclohexane	7.129	83	5910	0.966	ug/l #	1
44) Trichloroethene	7.129	130	615563	145.293	ug/l	98
49) 1,4-Dioxane	7.671	88	273	2.753	ug/l #	35
51) 4-Methyl-2-Pentanone	8.653	43	2188	0.439	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	2145	0.563	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	99860	20.634	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	99860	62.666	ug/l #	15

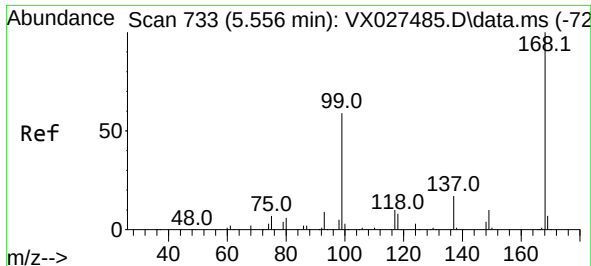
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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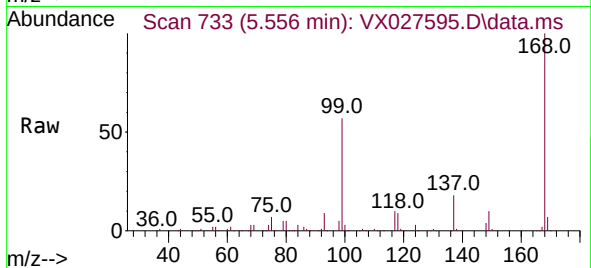
Quant Time: Mar 22 05:49:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration



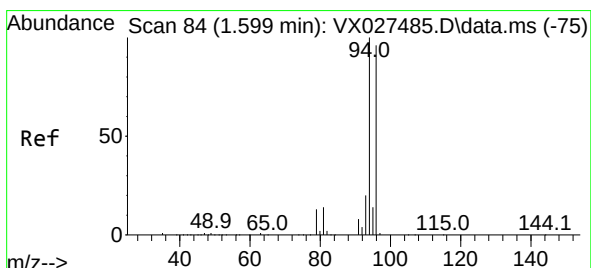
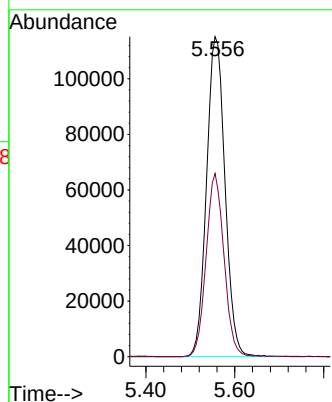
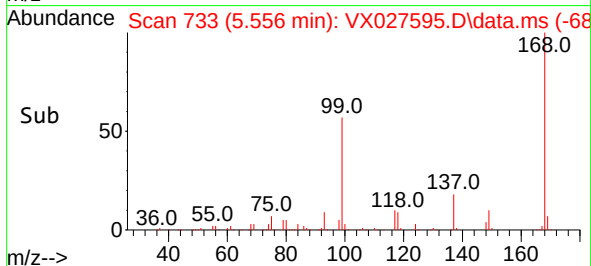


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :

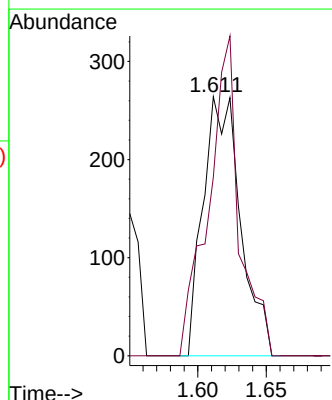
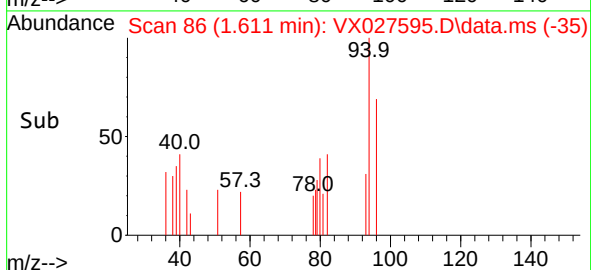
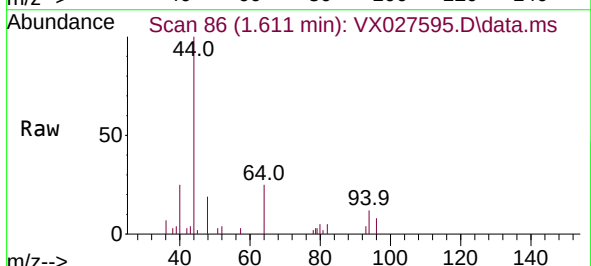


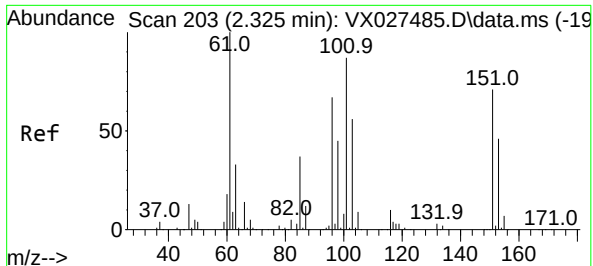
Tgt Ion:168 Resp: 332878
Ion Ratio Lower Upper
168 100
99 57.2 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 68.9 75.3 112.9#

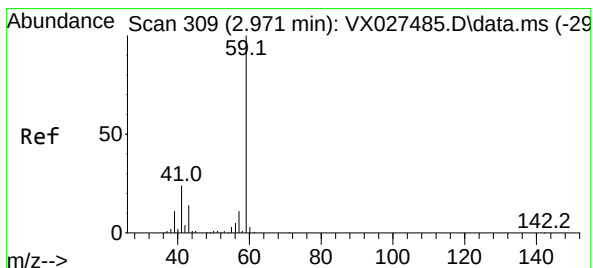
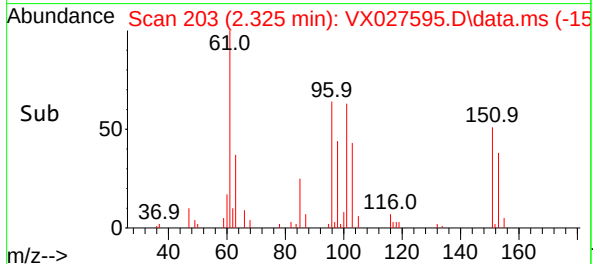
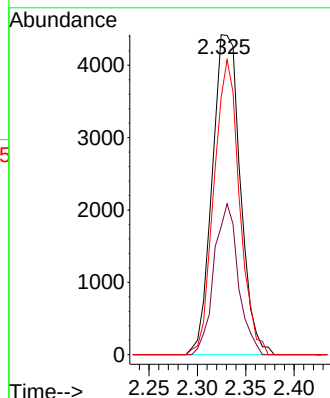
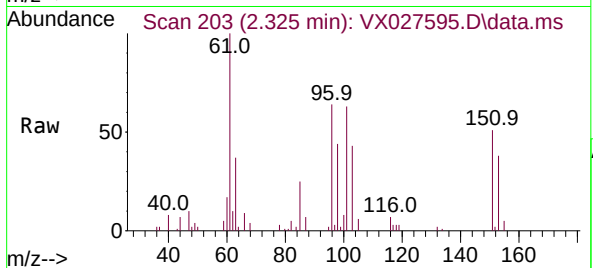




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.767 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

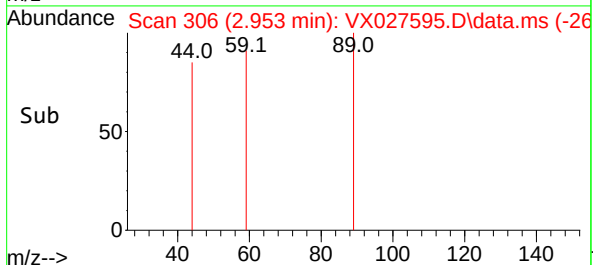
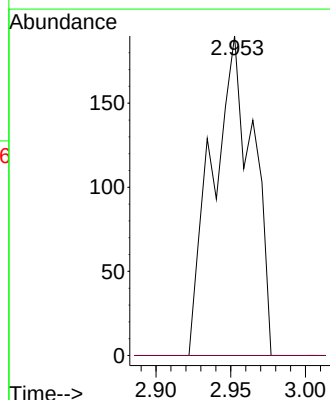
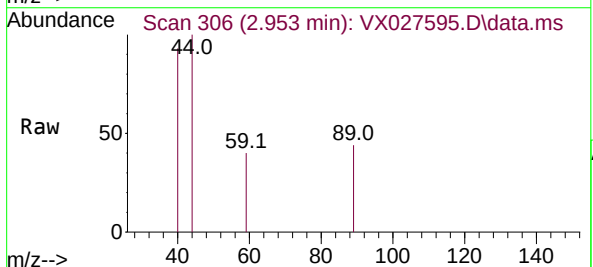
Instrument :
MSVOA_X
ClientSampleId :

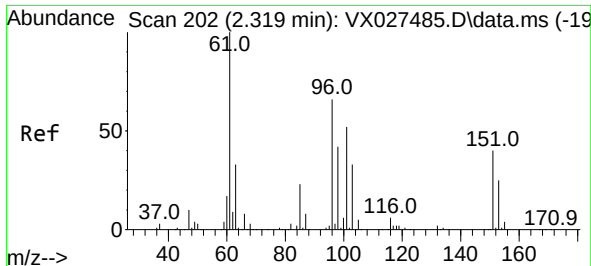
Tgt Ion:101 Resp: 8915
Ion Ratio Lower Upper
101 100
85 40.8 33.5 50.3
151 83.8 61.8 92.6



#11
Tert butyl alcohol
Concen: 0.458 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.769 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

Instrument :

MSVOA_X

ClientSampleId :

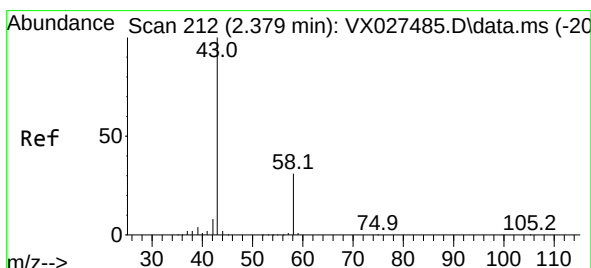
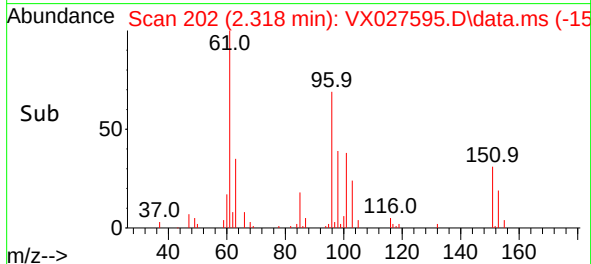
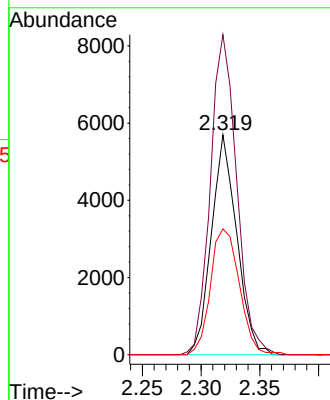
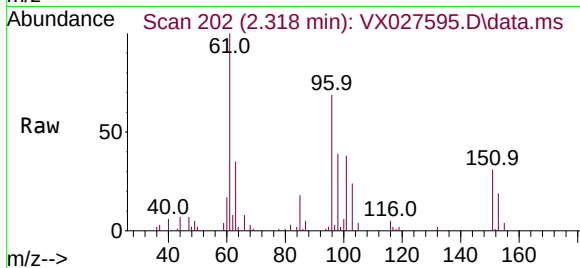
Tgt Ion: 96 Resp: 8559

Ion Ratio Lower Upper

96 100

61 145.5 124.6 187.0

98 57.2 51.0 76.4



#16

Acetone

Concen: 1.984 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027595.D

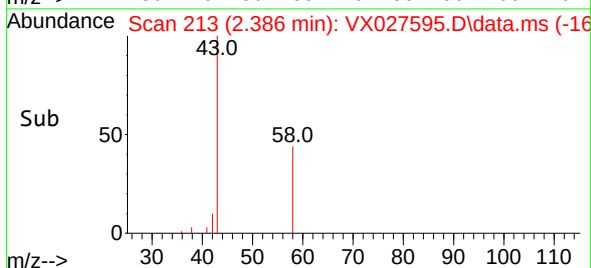
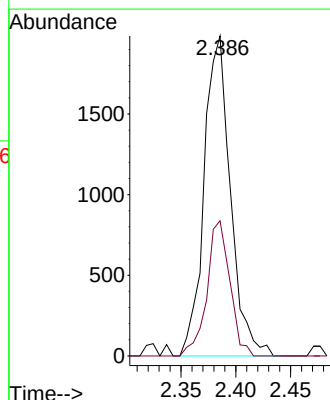
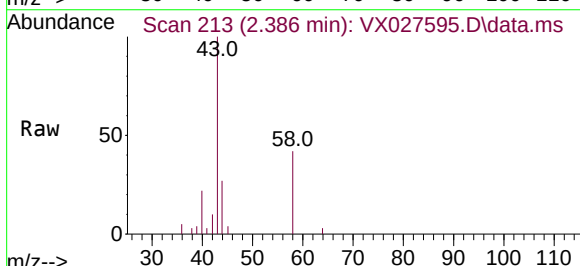
Acq: 21 Mar 2022 18:47

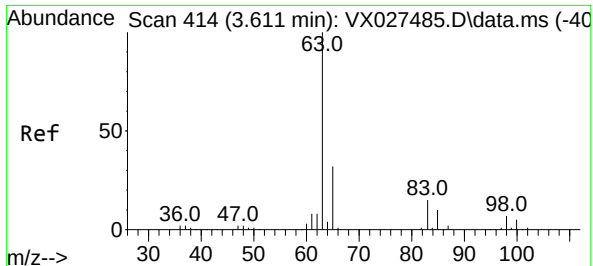
Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

43 100

58 42.2 28.8 43.2

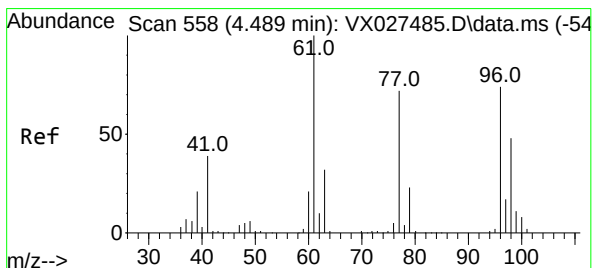
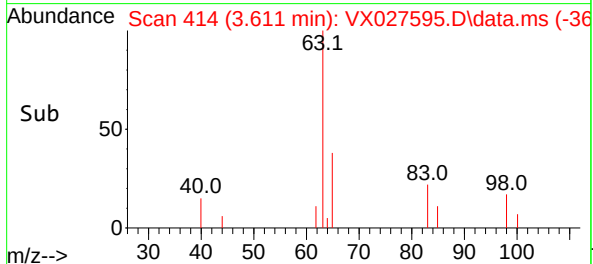
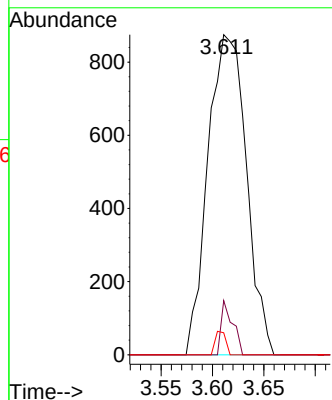
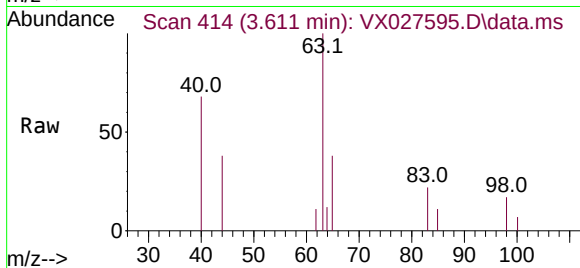




#24
 1,1-Dichloroethane
 Concen: 0.396 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. -0.000 min
 Lab File: VX027595.D
 Acq: 21 Mar 2022 18:47

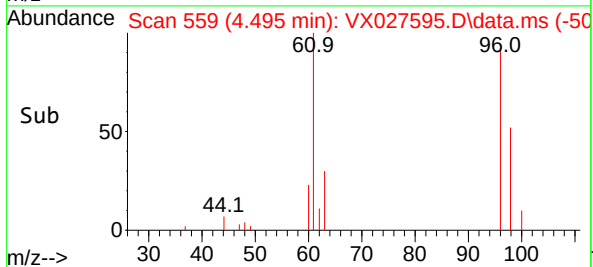
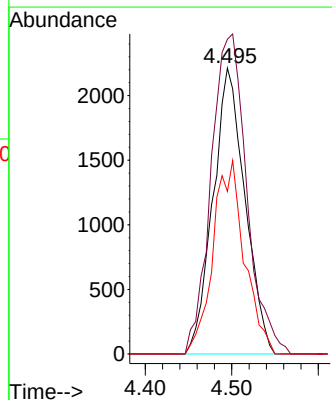
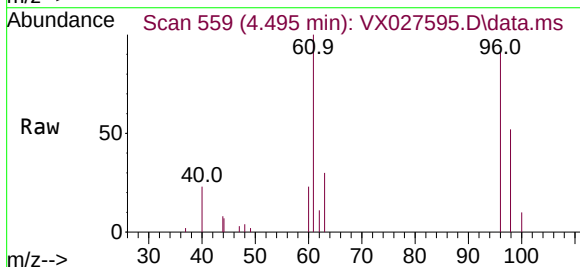
Instrument :
 MSVOA_X
 ClientSampleId :

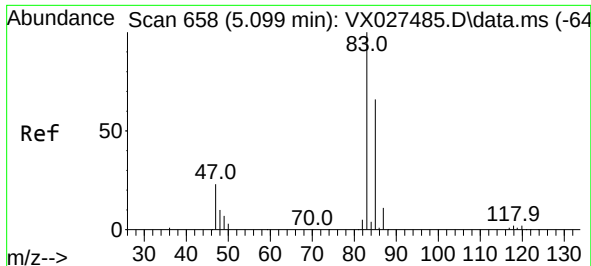
Tgt Ion: 63 Resp: 2274
 Ion Ratio Lower Upper
 63 100
 98 16.9 3.9 11.7#
 100 6.9 2.4 7.2



#27
 cis-1,2-Dichloroethene
 Concen: 1.487 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX027595.D
 Acq: 21 Mar 2022 18:47

Tgt Ion: 96 Resp: 5687
 Ion Ratio Lower Upper
 96 100
 61 124.6 0.0 283.8
 98 66.2 0.0 129.8





#30

Chloroform

Concen: 0.433 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

Instrument :

MSVOA_X

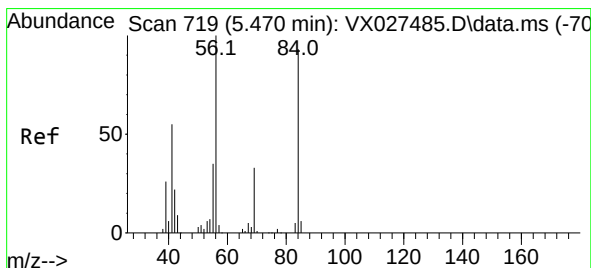
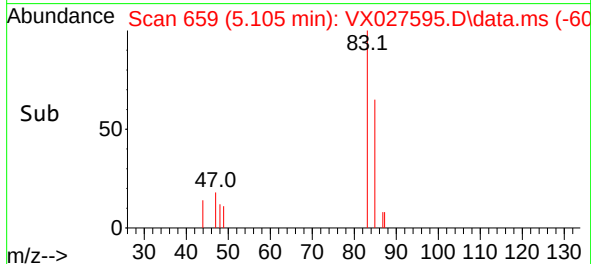
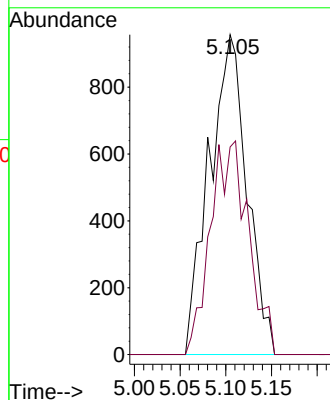
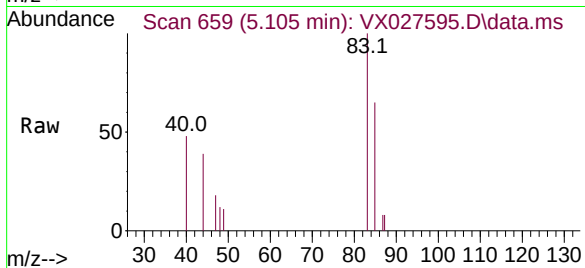
ClientSampleId :

Tgt Ion: 83 Resp: 2747

Ion Ratio Lower Upper

83 100

85 64.9 52.7 79.1



#31

Cyclohexane

Concen: 1.080 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

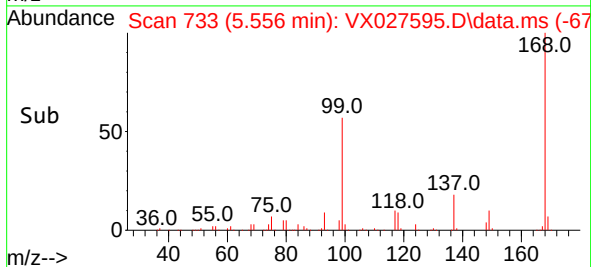
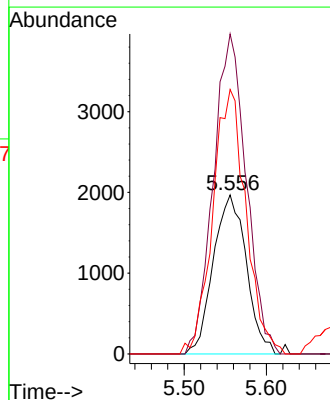
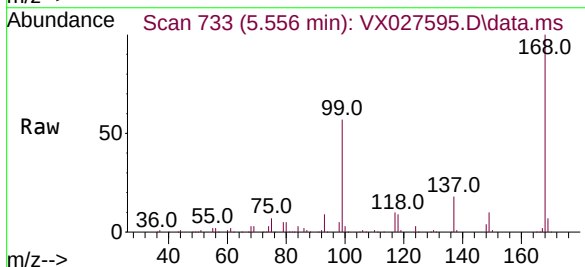
Tgt Ion: 56 Resp: 5497

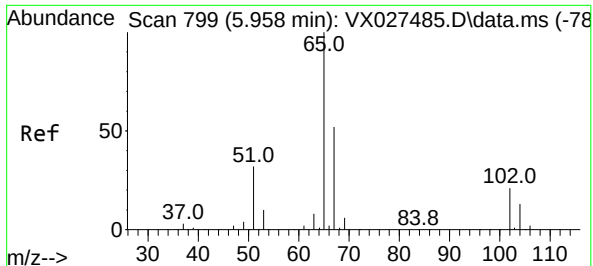
Ion Ratio Lower Upper

56 100

69 201.1 26.7 40.1#

84 166.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.277 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

Instrument :

MSVOA_X

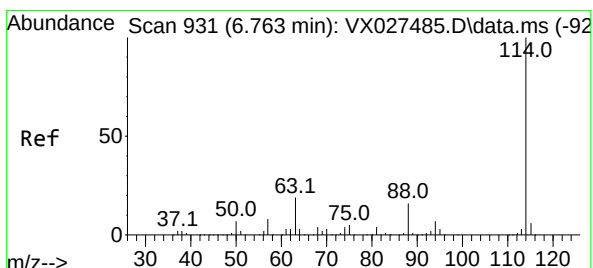
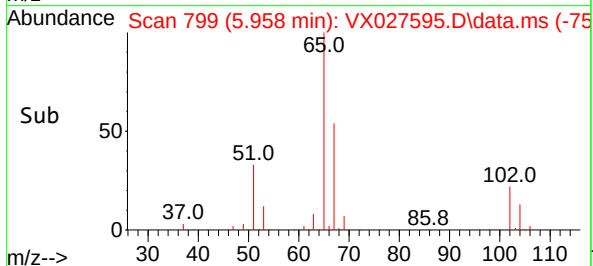
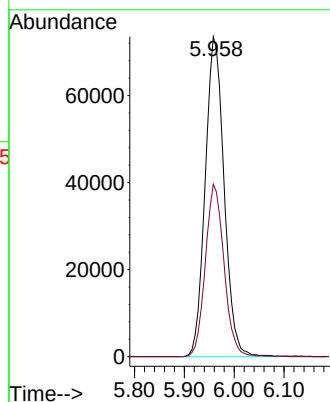
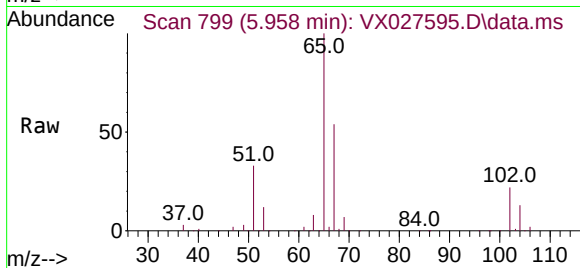
ClientSampleId :

Tgt Ion: 65 Resp: 193870

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

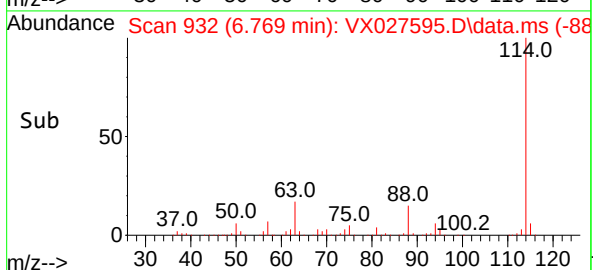
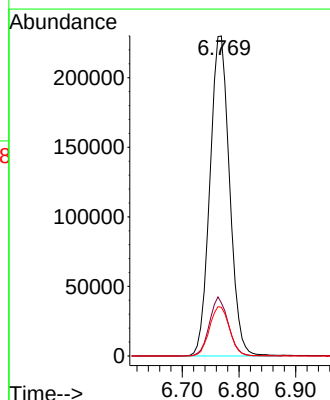
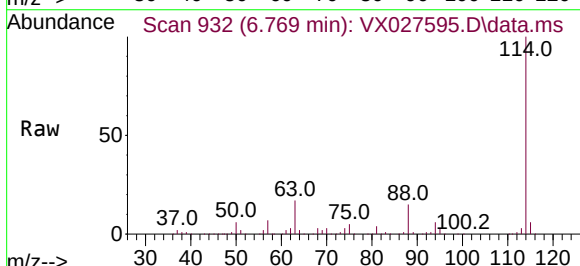
Tgt Ion: 114 Resp: 553296

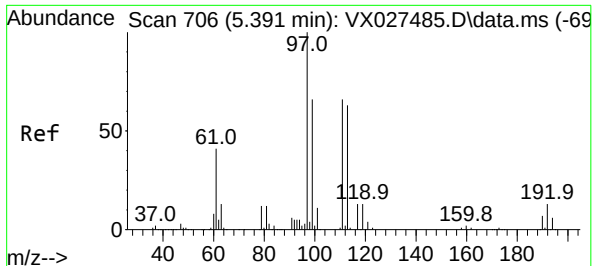
Ion Ratio Lower Upper

114 100

63 16.6 0.0 36.8

88 15.2 0.0 32.4

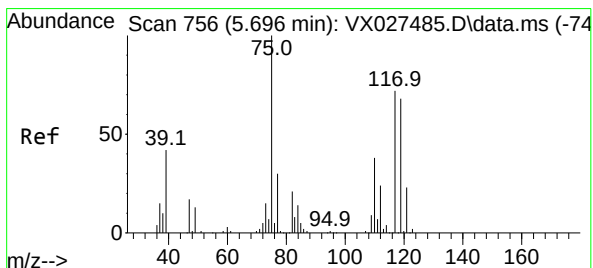
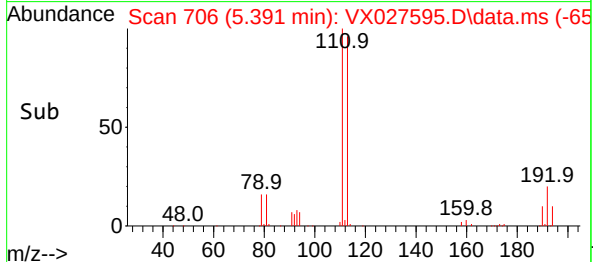
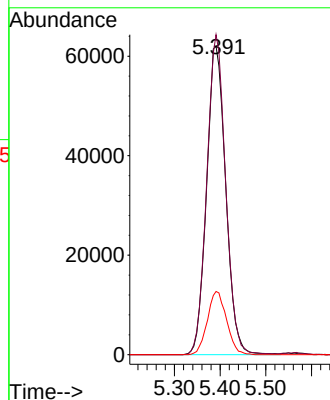
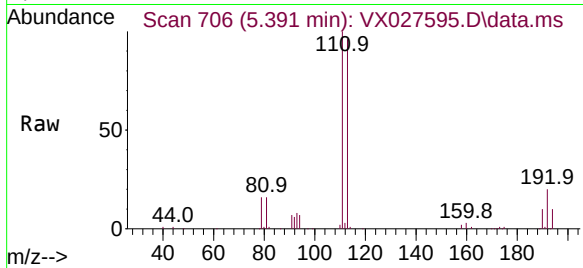




#35
Dibromofluoromethane
Concen: 50.847 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

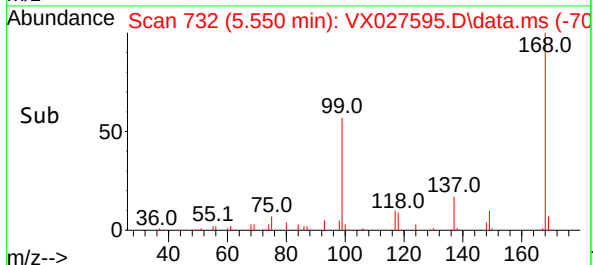
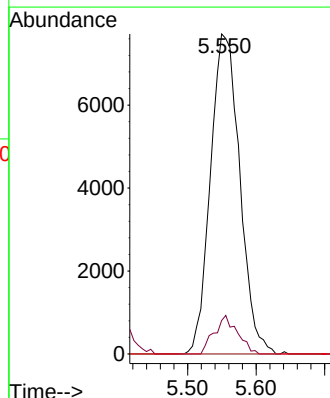
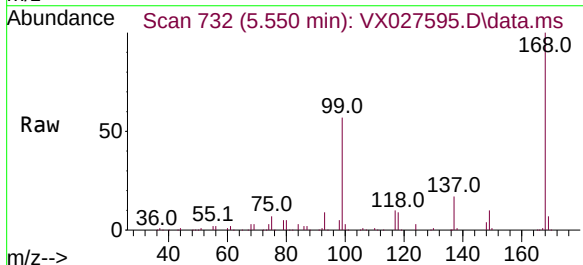
Instrument :
MSVOA_X
ClientSampleId :

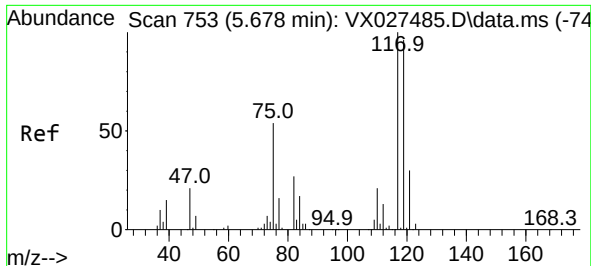
Tgt Ion:113 Resp: 181006
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

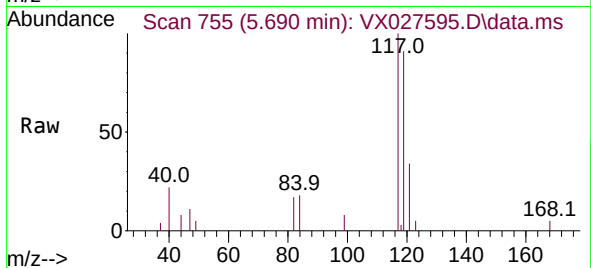
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Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#



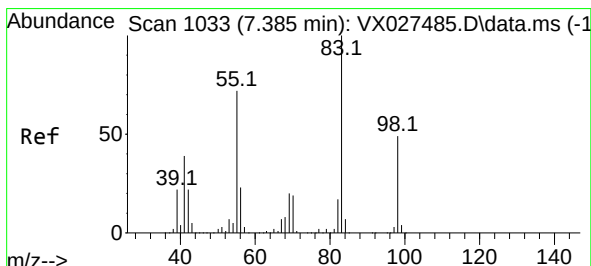
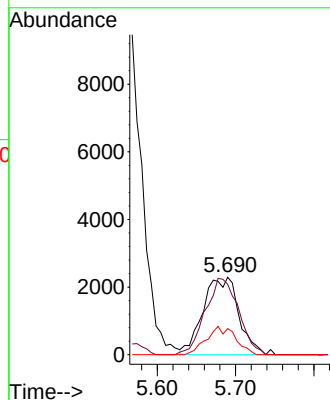
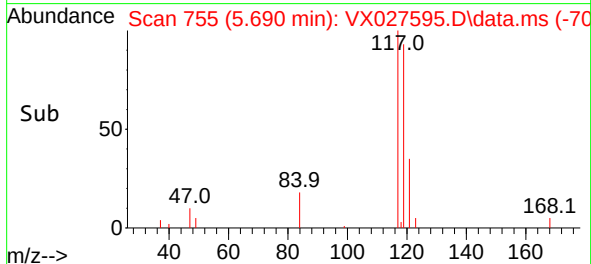


#38
Carbon Tetrachloride
Concen: 1.313 ug/l
RT: 5.690 min Scan# 711
Delta R.T. 0.012 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :

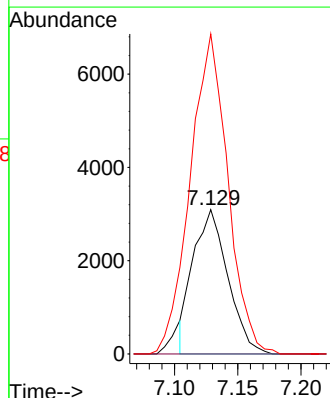
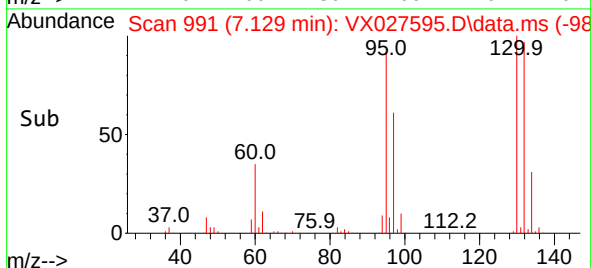
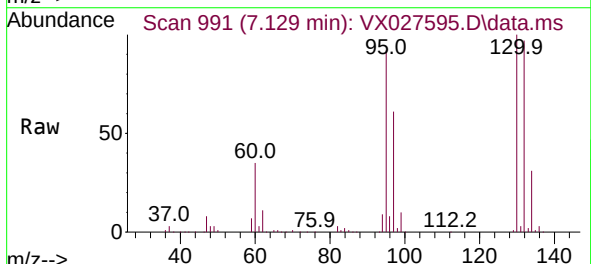


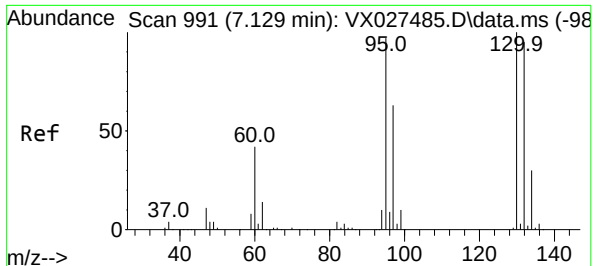
Tgt Ion:117 Resp: 7306
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9
121 33.8 24.2 36.2



#39
Methylcyclohexane
Concen: 0.966 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 83 Resp: 5910
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 221.6 37.4 56.2#

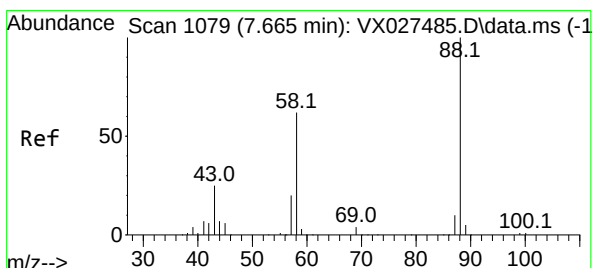
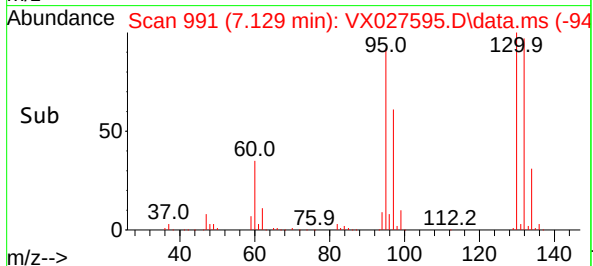
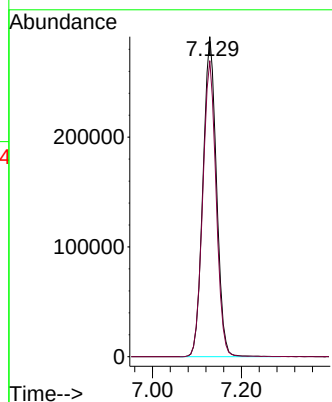
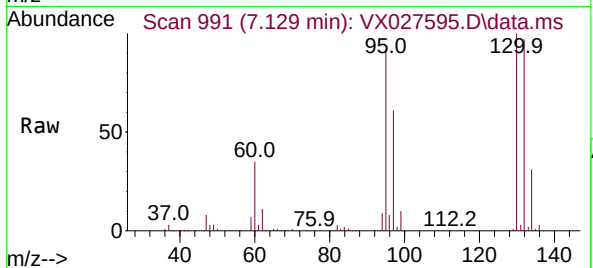




#44
Trichloroethene
Concen: 145.293 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

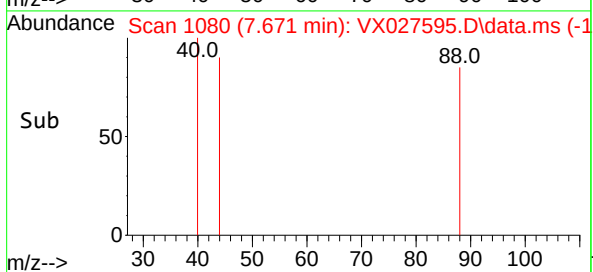
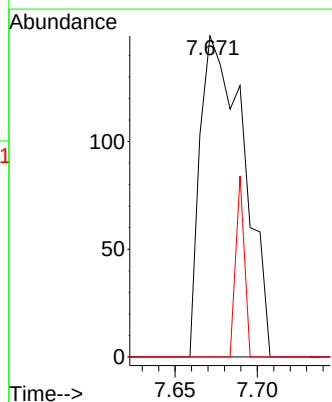
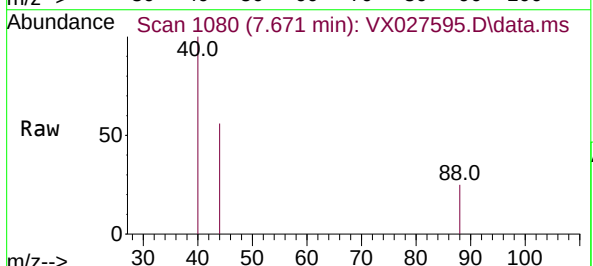
Instrument :
MSVOA_X
ClientSampleId :

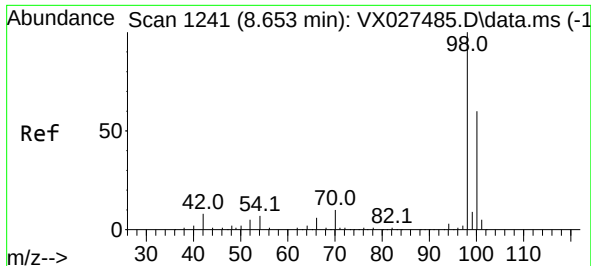
Tgt Ion:130 Resp: 615563
Ion Ratio Lower Upper
130 100
95 92.5 0.0 188.8



#49
1,4-Dioxane
Concen: 2.753 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 11.4 53.7 80.5#

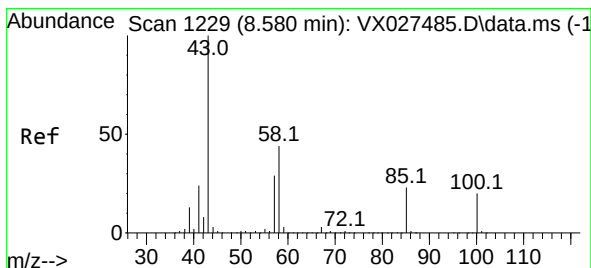
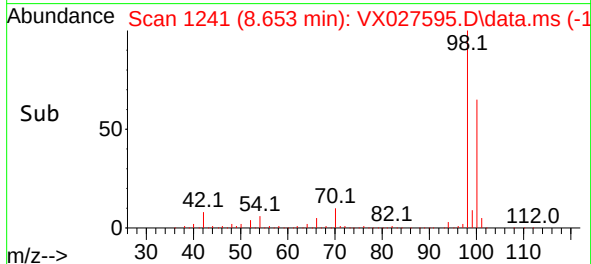
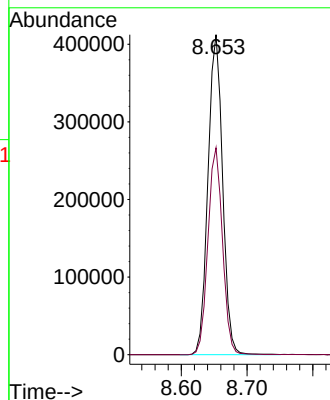
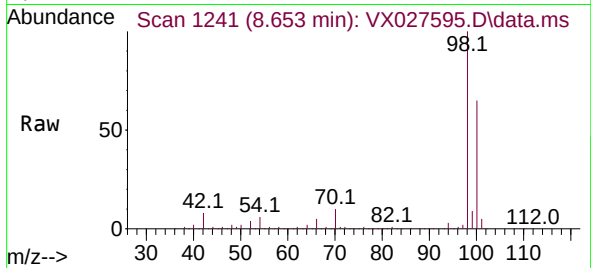




#50
Toluene-d8
Concen: 47.332 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

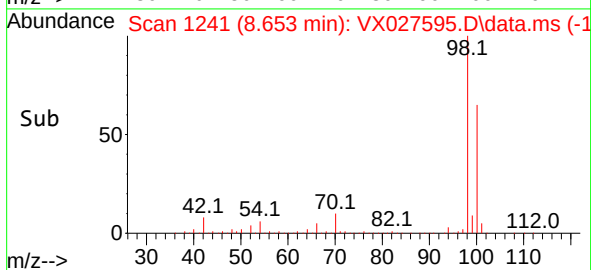
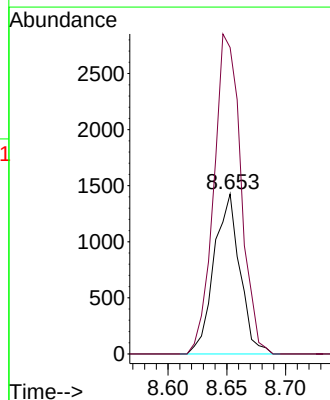
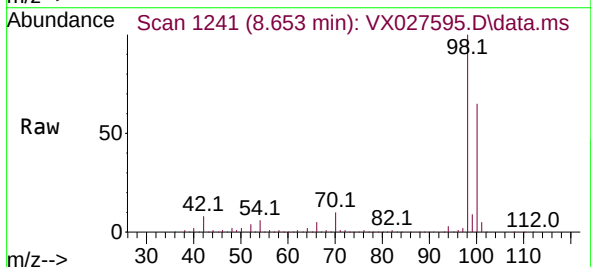
Instrument :
MSVOA_X
ClientSampleId :

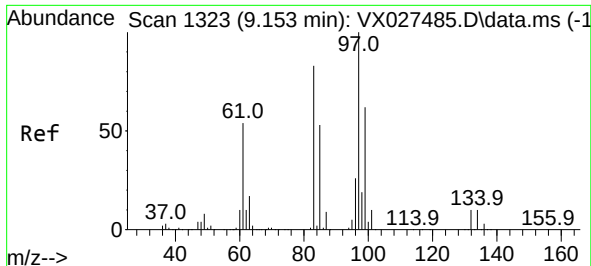
Tgt Ion: 98 Resp: 637599
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 43 Resp: 2188
Ion Ratio Lower Upper
43 100
58 209.2 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.563 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 2145

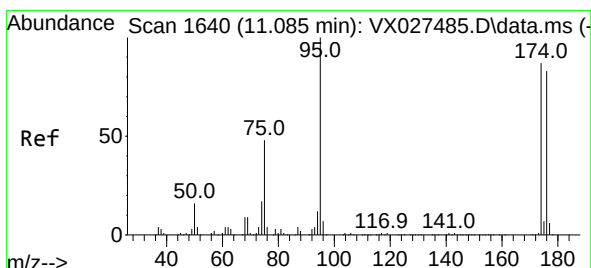
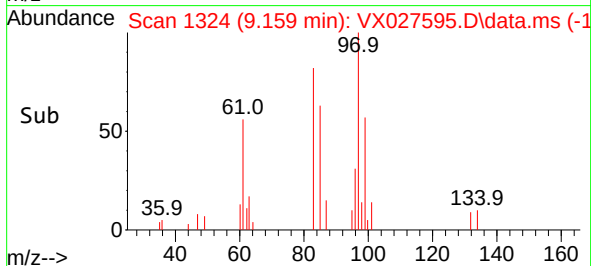
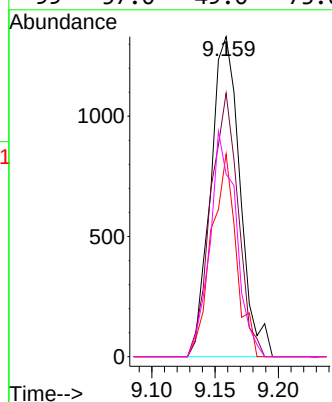
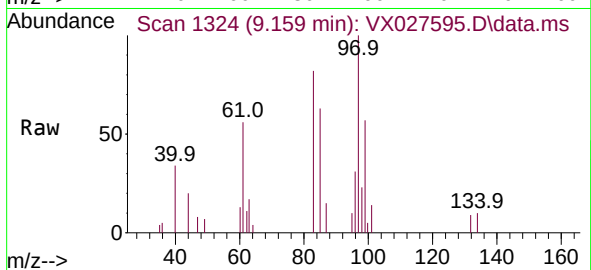
Ion Ratio Lower Upper

97 100

83 82.3 66.2 99.4

85 63.3 42.9 64.3

99 57.0 49.0 73.6



#62

4-Bromofluorobenzene

Concen: 44.697 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX027595.D

Acq: 21 Mar 2022 18:47

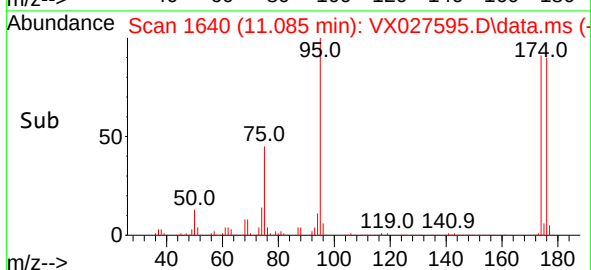
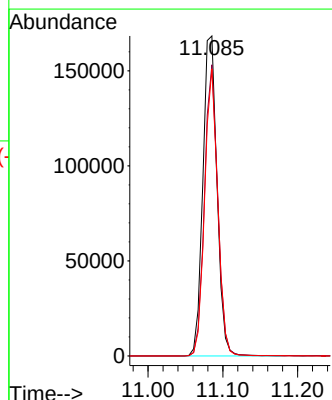
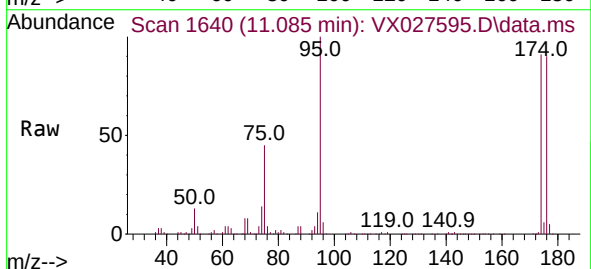
Tgt Ion: 95 Resp: 221305

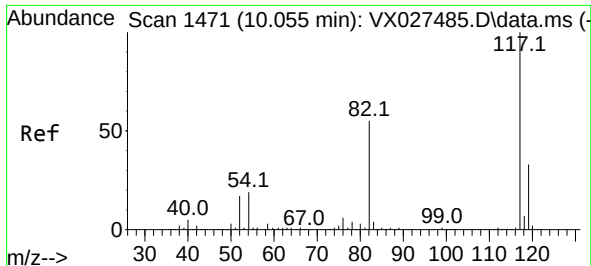
Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.0

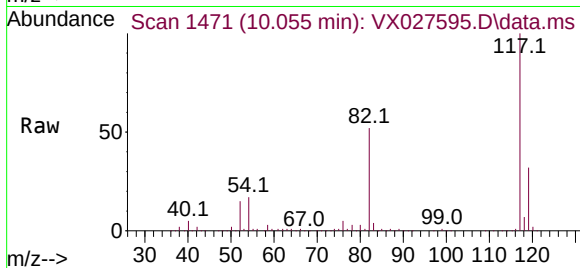
176 83.3 0.0 155.0



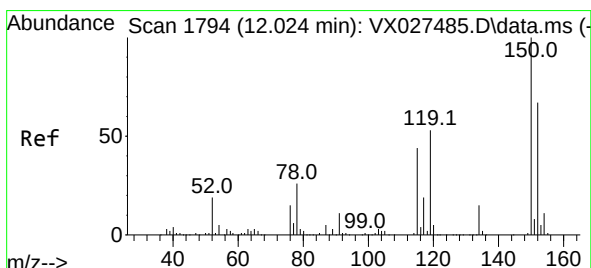
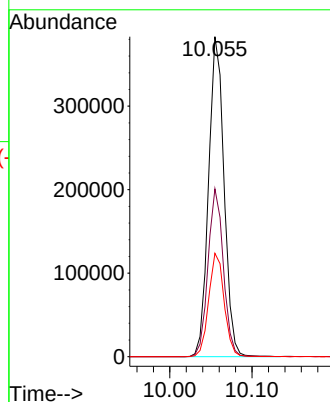
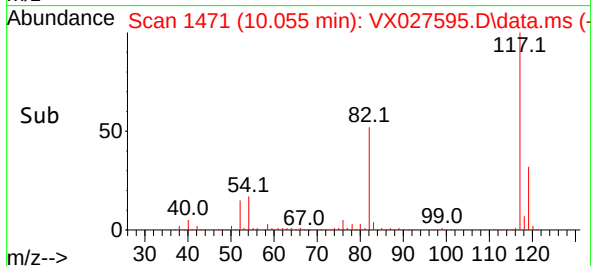


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

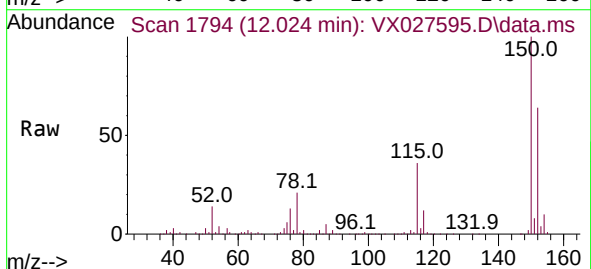
Instrument :
MSVOA_X
ClientSampleId :



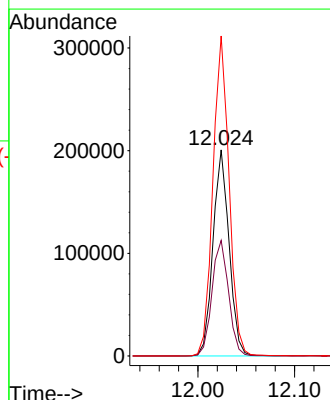
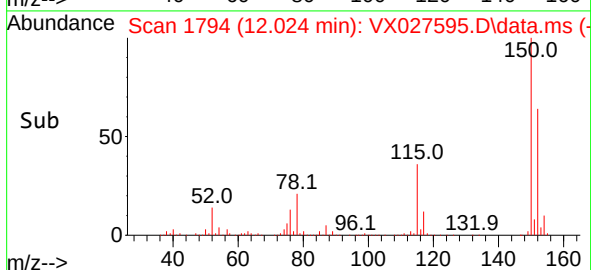
Tgt Ion:117 Resp: 501346
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.3 24.8 37.2

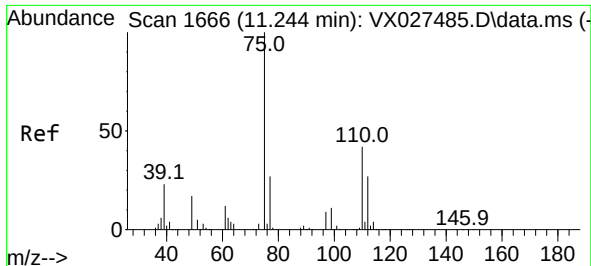


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47



Tgt Ion:152 Resp: 231374
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 156.2 0.0 338.2

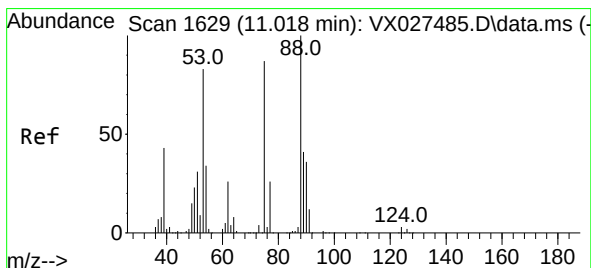
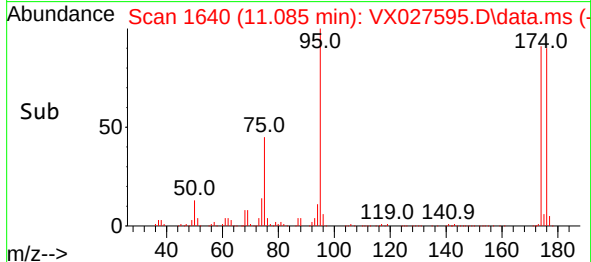
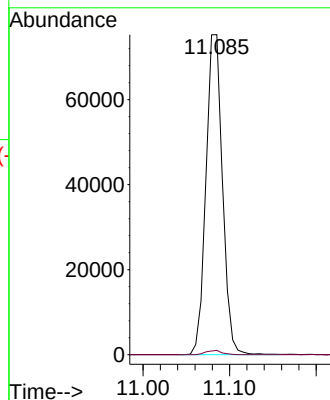
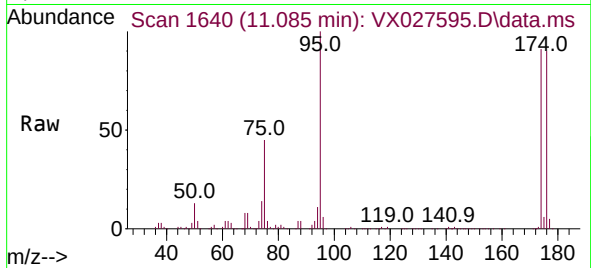




#76
1,2,3-Trichloropropane
Concen: 20.634 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 99860
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.666 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027595.D
Acq: 21 Mar 2022 18:47

Tgt Ion: 75 Resp: 99860
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

