

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025818.D
 Acq On : 15 Dec 2021 16:39
 Operator : JC/MD
 Sample : M4988-14DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20211207

Quant Time: Dec 16 07:30:14 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)

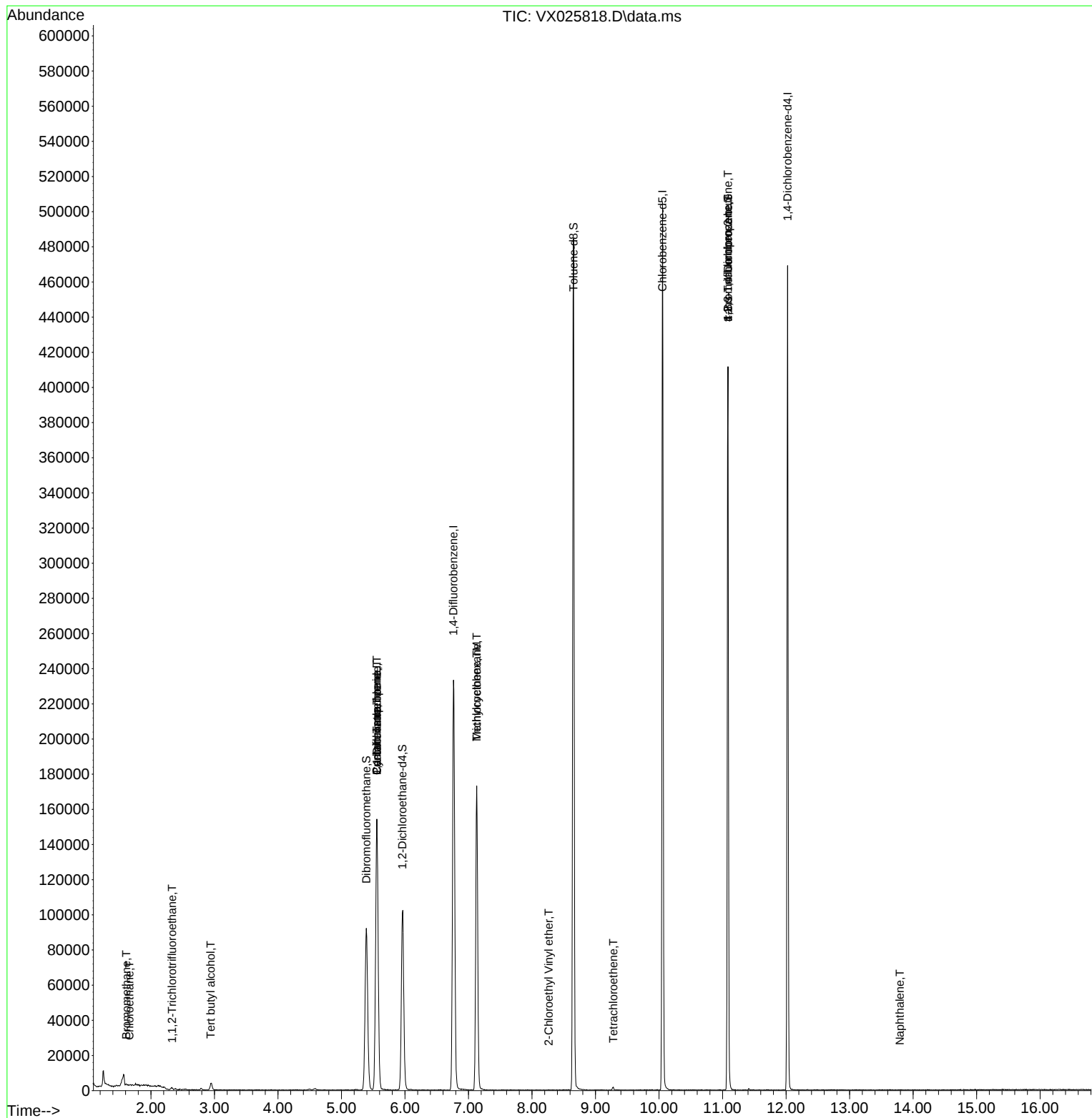
Internal Standards						
1) Pentafluorobenzene	5.556	168	140333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95422	47.259	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.520%
35) Dibromofluoromethane	5.391	113	78464	46.169	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.340%
50) Toluene-d8	8.653	98	289803	46.801	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.600%
62) 4-Bromofluorobenzene	11.085	95	109730	46.650	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	260	0.209	ug/l	83
6) Chloroethane	1.660	64	334	0.265	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	535	0.358	ug/l #	72
11) Tert butyl alcohol	2.940	59	2363	5.834	ug/l #	73
16) Acetone	2.386	43	725	Below Cal	#	88
20) Methylene Chloride	2.788	84	383	Below Cal		96
31) Cyclohexane	5.556	56	3203	1.304	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	11470	4.977	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14748	5.500	ug/l #	15
39) Methylcyclohexane	7.129	83	876	0.340	ug/l #	15
44) Trichloroethene	7.129	130	66272	34.625	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.263	63	25	15.654	ug/l #	44
64) Tetrachloroethene	9.281	164	369	0.209	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	57560	27.082	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57560	83.960	ug/l #	10
95) Naphthalene	13.792	128	18	2.414	ug/l #	69

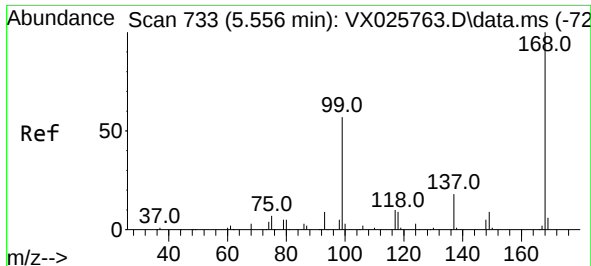
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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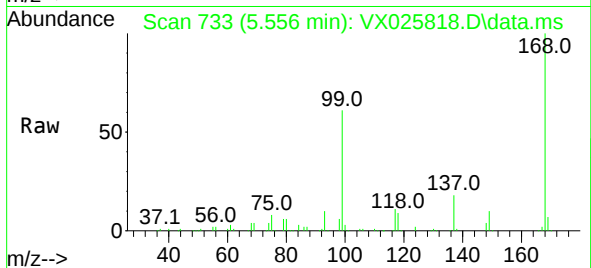
Quant Time: Dec 16 07:30:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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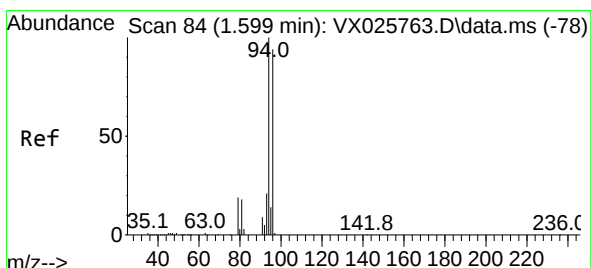
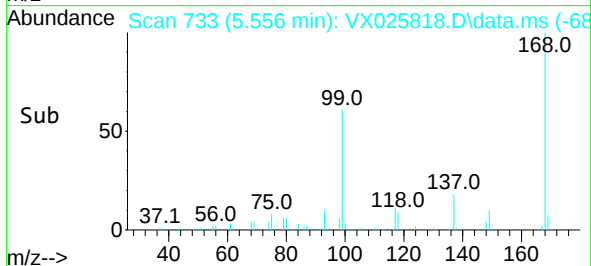
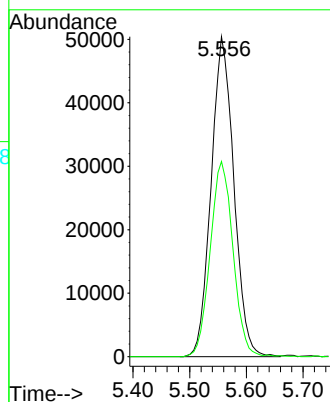


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

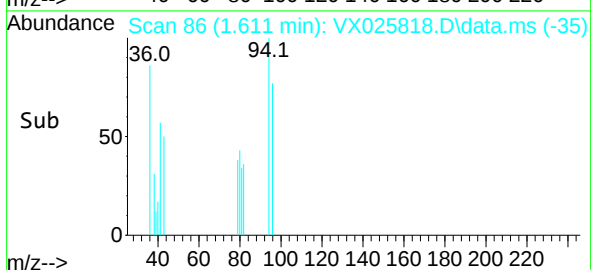
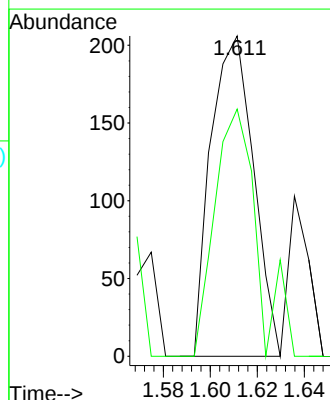
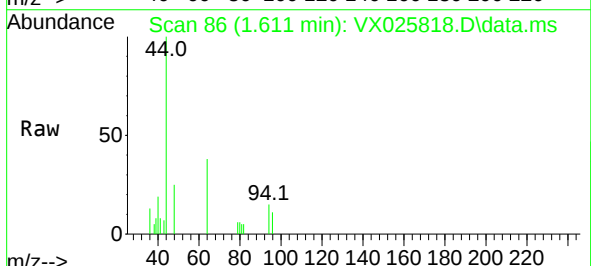


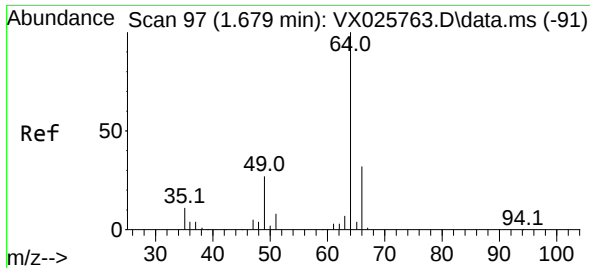
Tgt Ion:168 Resp: 140333
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.8



#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 77.2 75.0 112.4

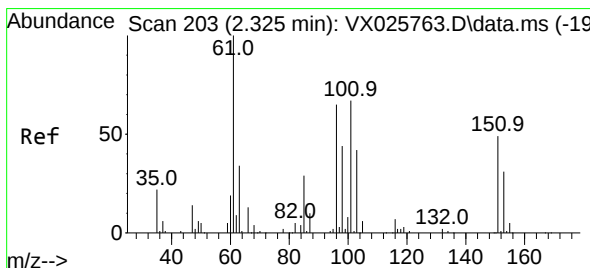
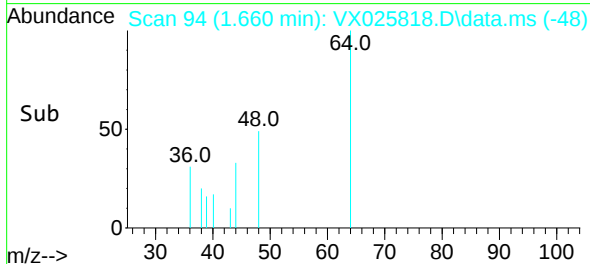
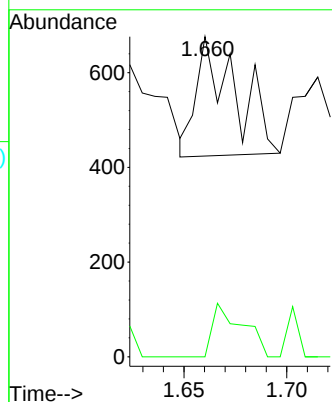
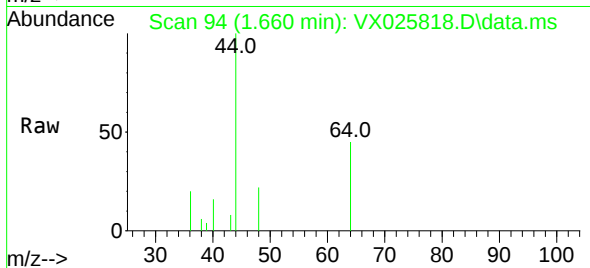




#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

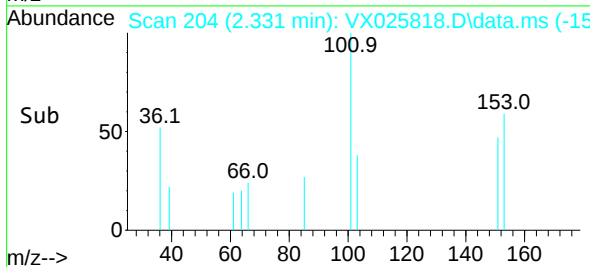
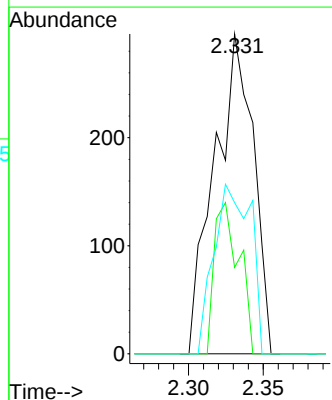
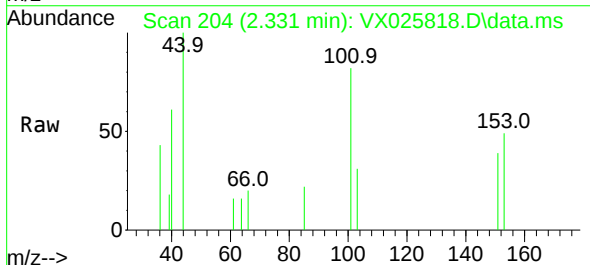
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

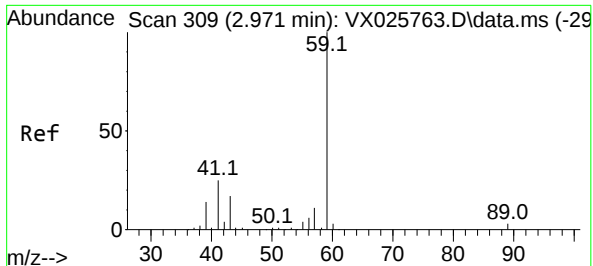
Tgt Ion: 64 Resp: 334
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.358 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 101 Resp: 535
Ion Ratio Lower Upper
101 100
85 30.1 36.5 54.7#
151 50.1 60.6 90.8#





#11

Tert butyl alcohol

Concen: 5.834 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.031 min

Lab File: VX025818.D

Acq: 15 Dec 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

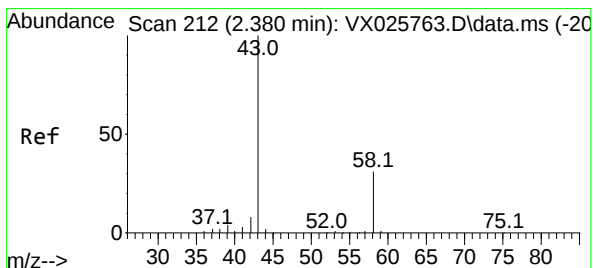
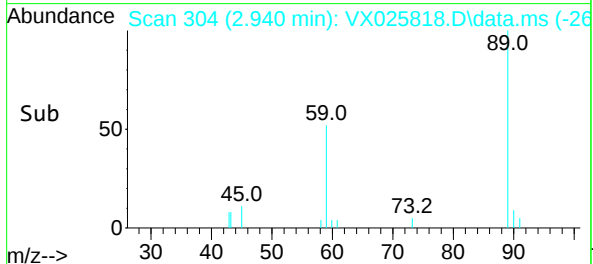
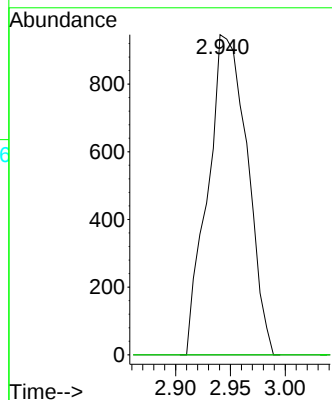
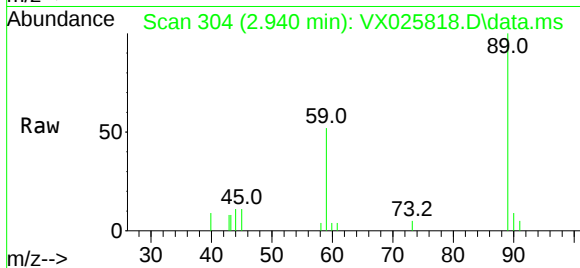
DUP03-20211207

Tgt Ion: 59 Resp: 2363

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025818.D

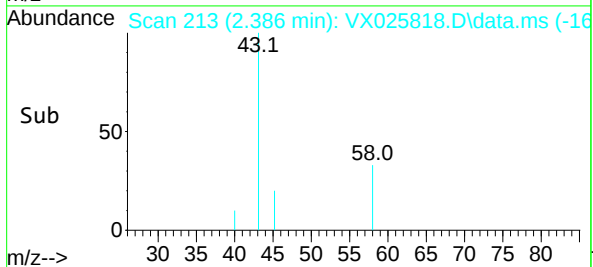
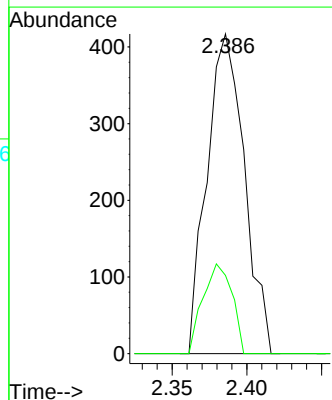
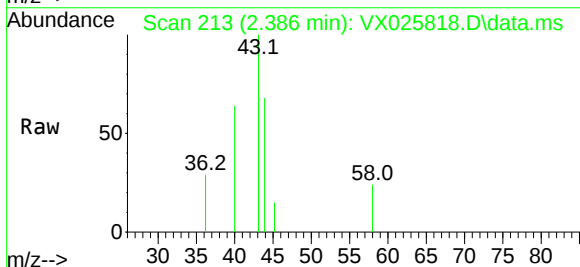
Acq: 15 Dec 2021 16:39

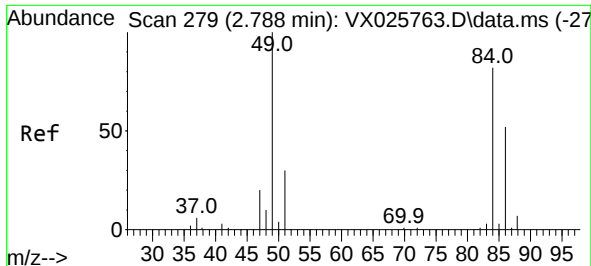
Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

58 24.5 24.8 37.2#



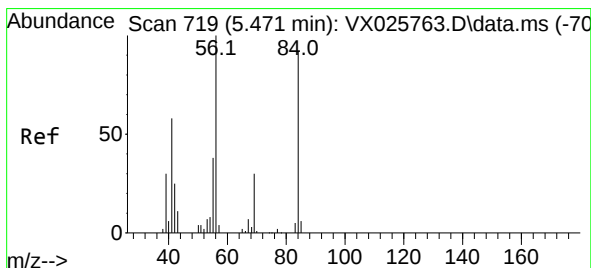
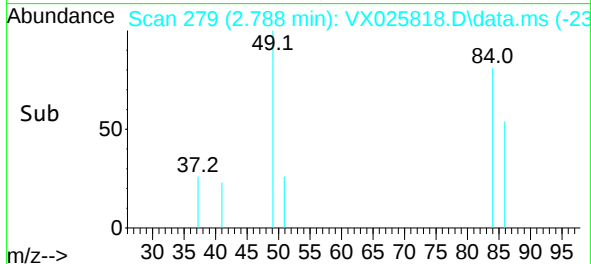
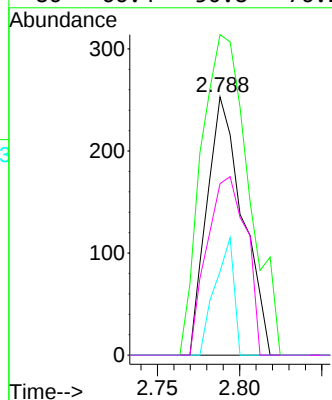
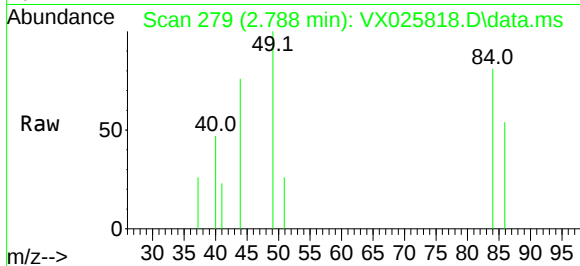


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

Tgt Ion: 84 Resp: 383

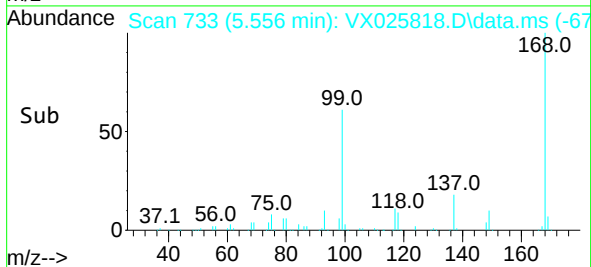
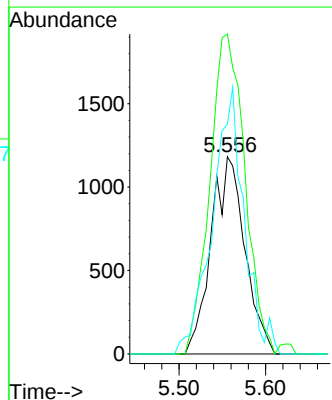
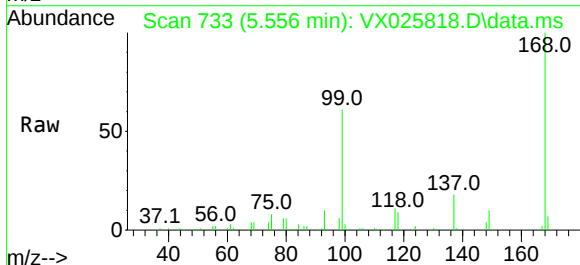
Ion	Ratio	Lower	Upper
84	100		
49	124.1	97.1	145.7
51	32.4	29.3	43.9
86	66.4	50.8	76.2

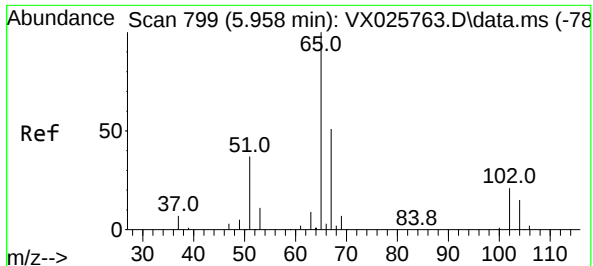


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 56 Resp: 3203

Ion	Ratio	Lower	Upper
56	100		
69	162.3	23.9	35.9#
84	116.4	73.2	109.8#





#33

1,2-Dichloroethane-d4

Concen: 47.259 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025818.D

Acq: 15 Dec 2021 16:39

Instrument :

MSVOA_X

ClientSampleId :

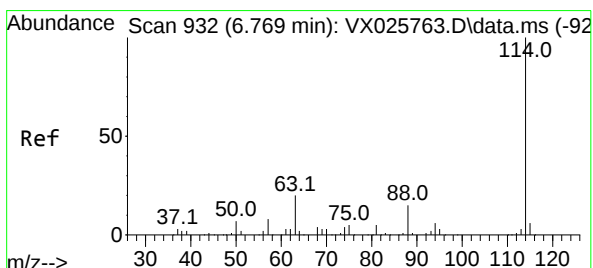
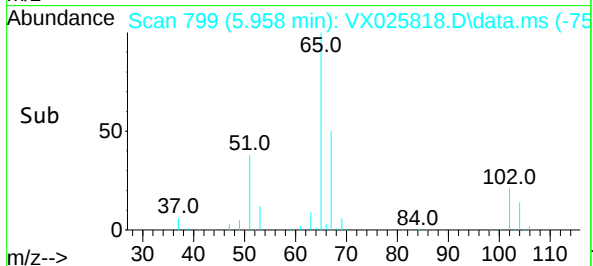
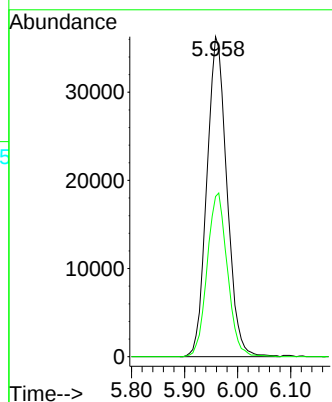
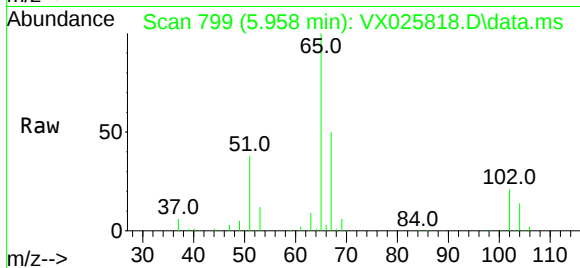
DUP03-20211207

Tgt Ion: 65 Resp: 95422

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX025818.D

Acq: 15 Dec 2021 16:39

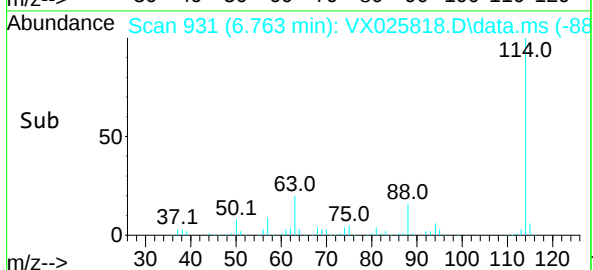
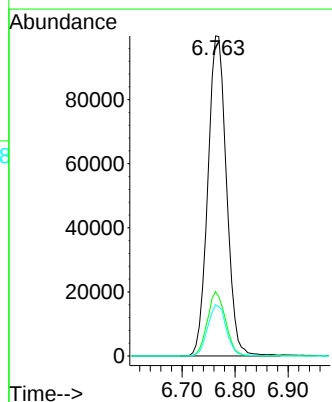
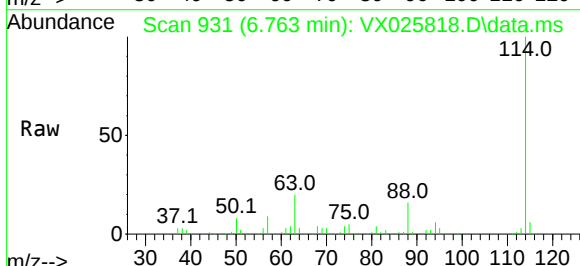
Tgt Ion: 114 Resp: 243688

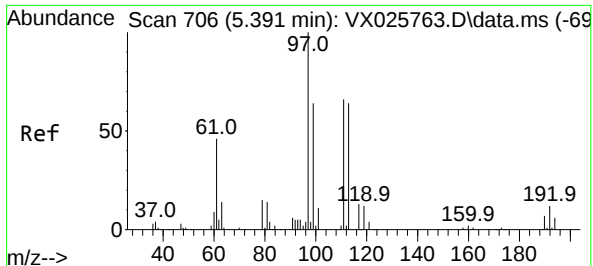
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.169 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025818.D

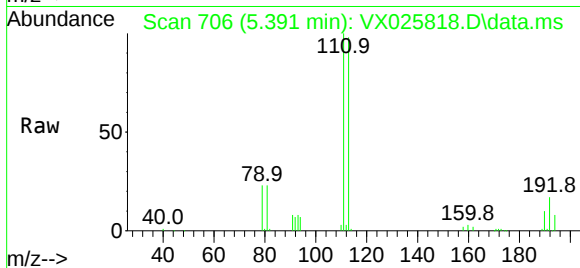
Acq: 15 Dec 2021 16:39

Instrument :

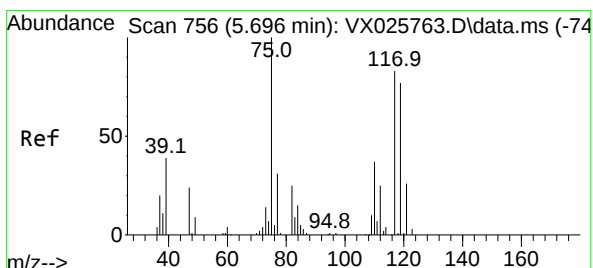
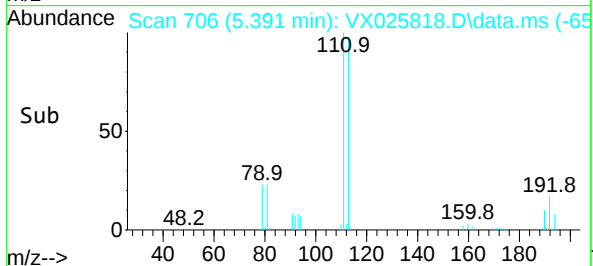
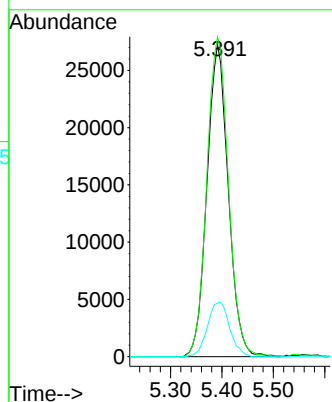
MSVOA_X

ClientSampleId :

DUP03-20211207



Tgt Ion:	113	Resp:	78464
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.8
192	18.2	15.0	22.4



#36

1,1-Dichloropropene

Concen: 4.977 ug/l

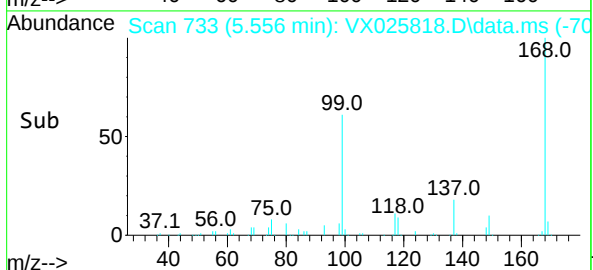
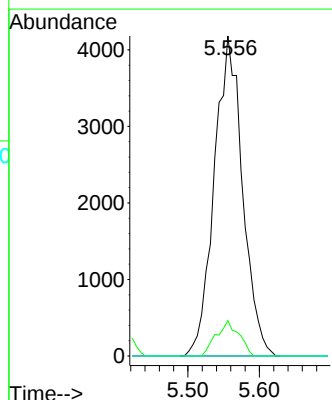
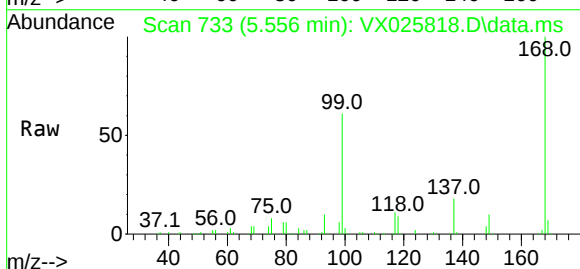
RT: 5.556 min Scan# 733

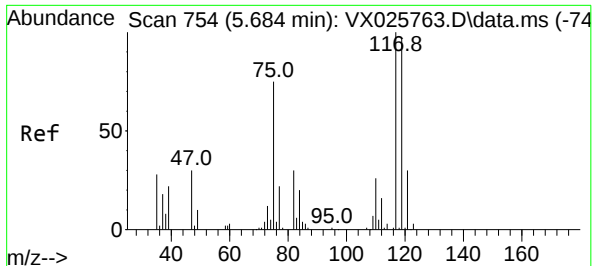
Delta R.T. -0.140 min

Lab File: VX025818.D

Acq: 15 Dec 2021 16:39

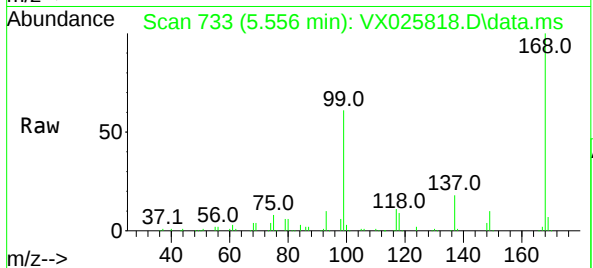
Tgt Ion:	75	Resp:	11470
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.2	54.6#
77	0.0	24.7	37.1#



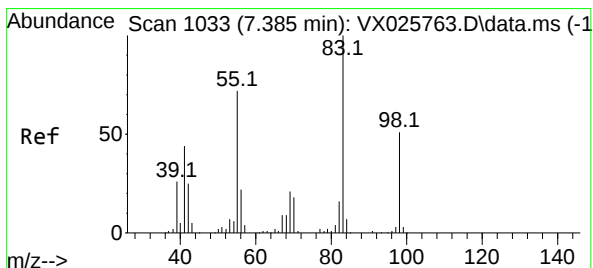
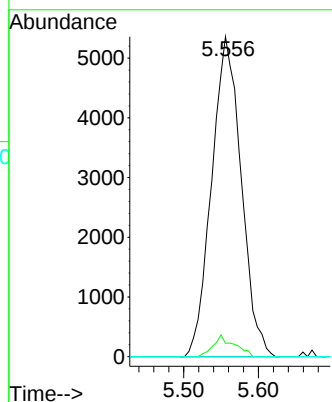
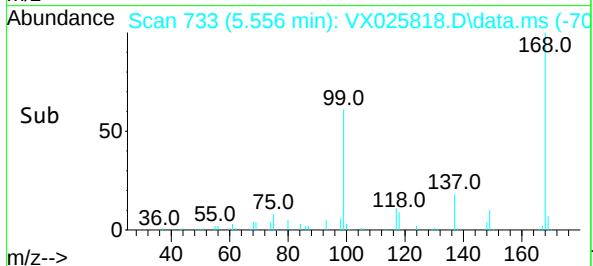


#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

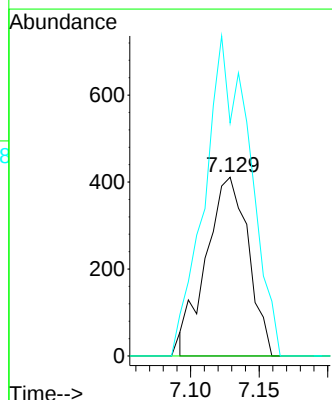
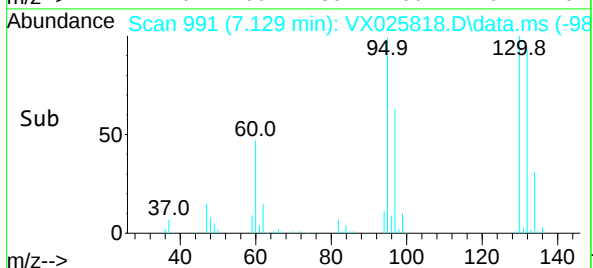
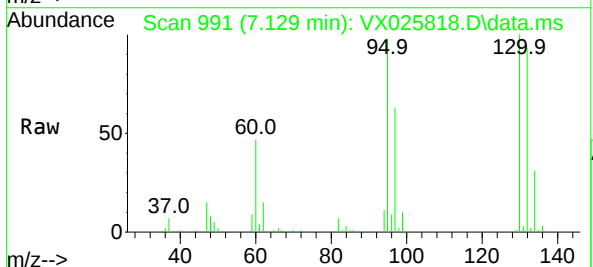


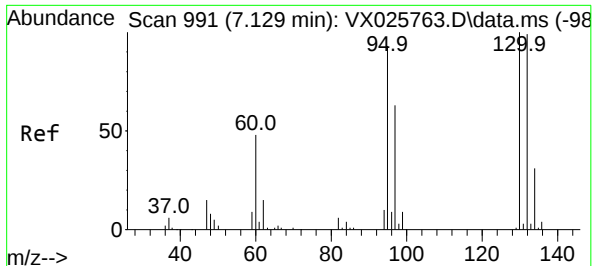
Tgt Ion:117 Resp: 14748
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.340 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 83 Resp: 876
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 107.3 40.5 60.7#

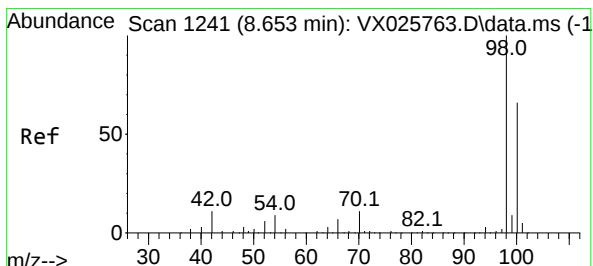
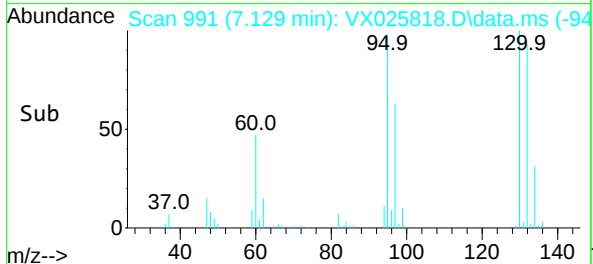
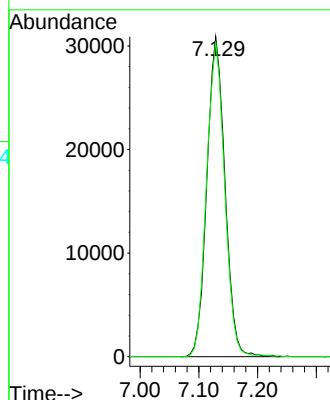
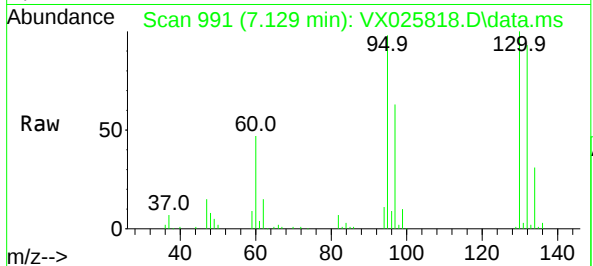




#44
Trichloroethene
Concen: 34.625 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

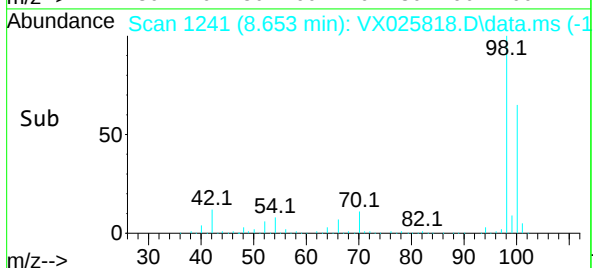
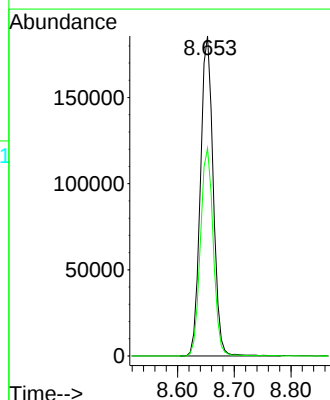
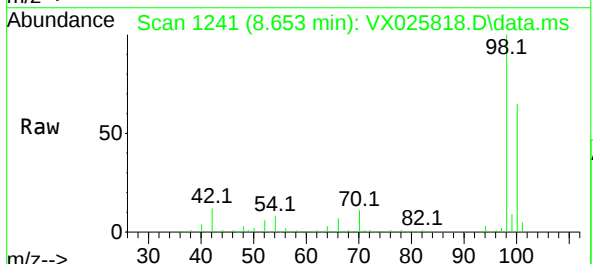
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

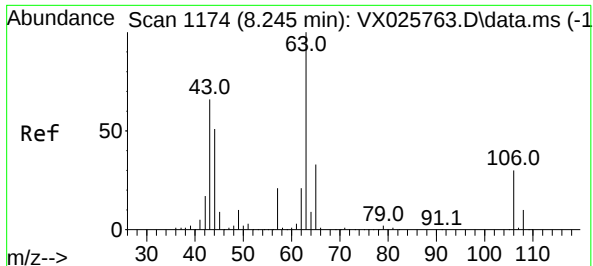
Tgt Ion:130 Resp: 66272
Ion Ratio Lower Upper
130 100
95 98.5 0.0 186.4



#50
Toluene-d8
Concen: 46.801 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 98 Resp: 289803
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

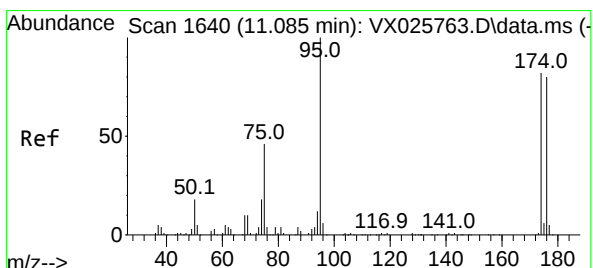
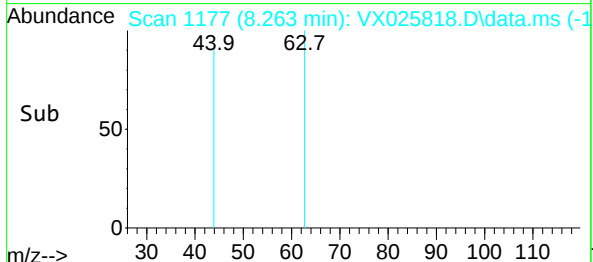
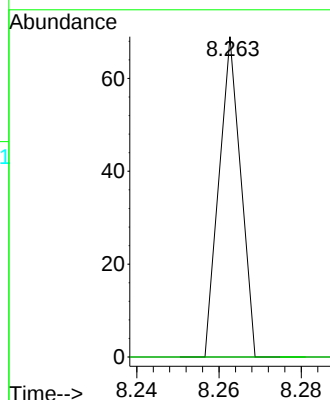
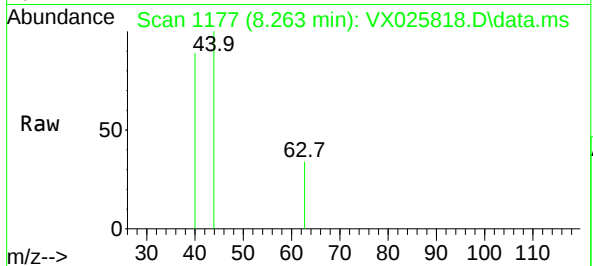




#58
2-Chloroethyl Vinyl ether
Concen: 15.654 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

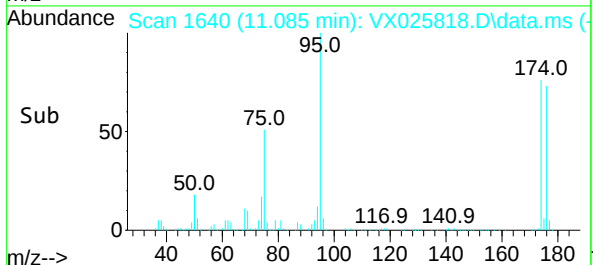
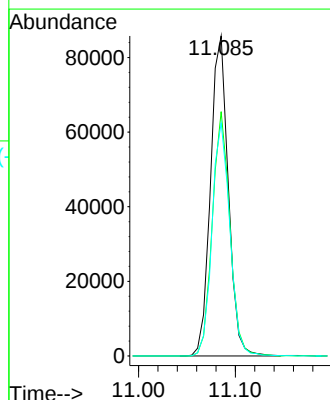
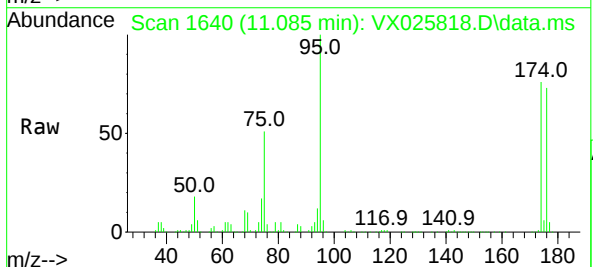
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

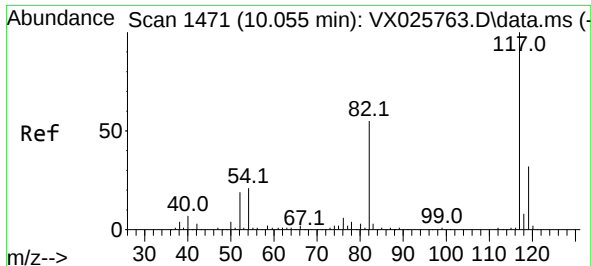
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#



#62
4-Bromofluorobenzene
Concen: 46.650 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 95 Resp: 109730
Ion Ratio Lower Upper
95 100
174 75.1 0.0 157.4
176 73.2 0.0 154.6

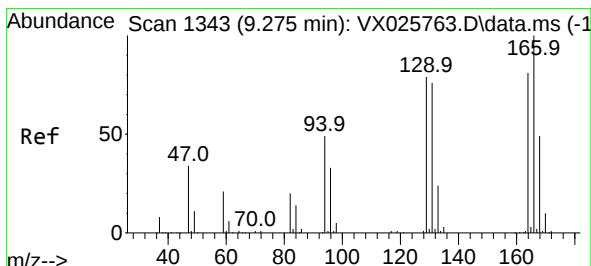
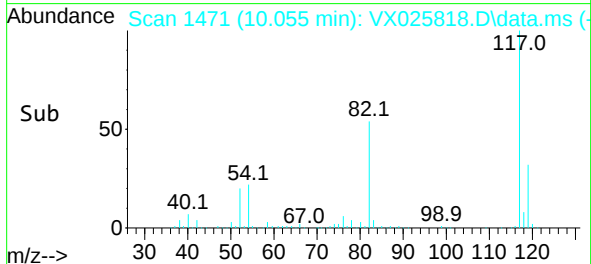
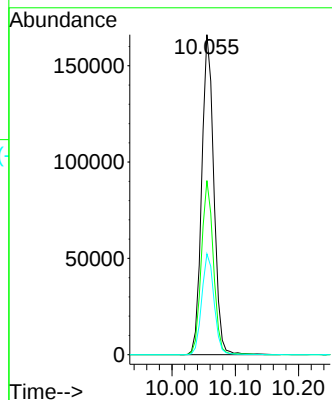
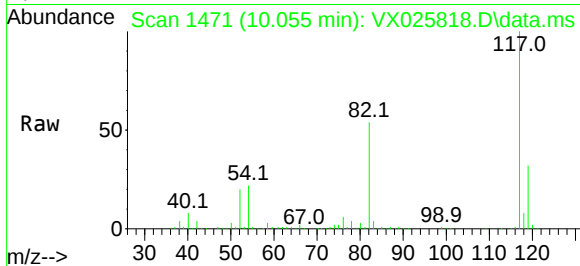




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

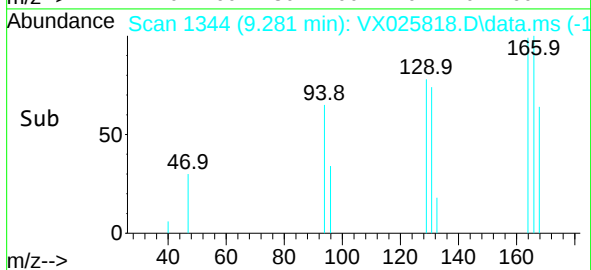
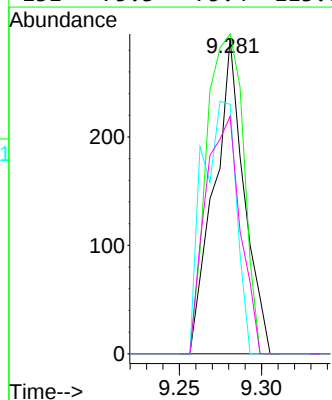
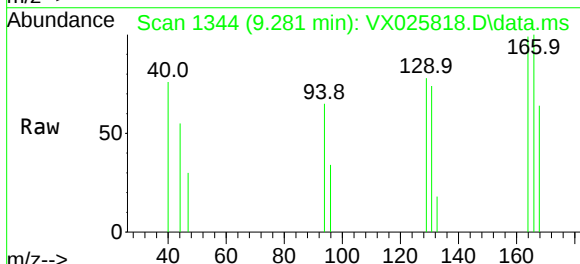
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

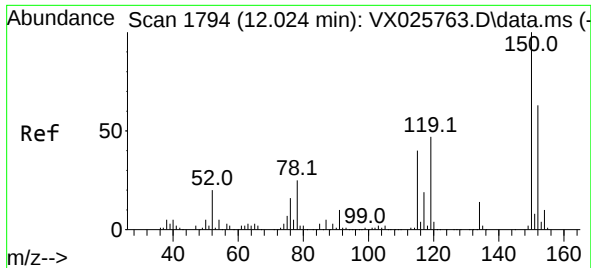
Tgt Ion:117 Resp: 221497
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.6
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 0.209 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion:164 Resp: 369
Ion Ratio Lower Upper
164 100
166 101.4 99.4 149.0
129 79.0 78.6 118.0
131 75.3 75.4 113.0#

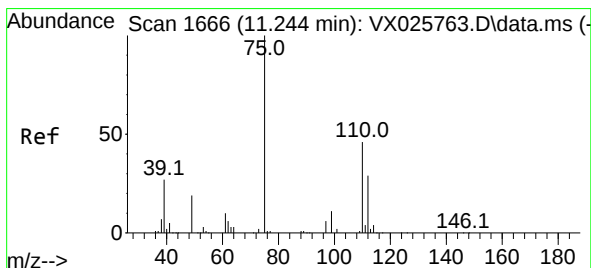
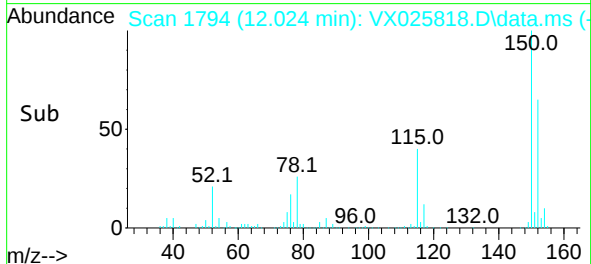
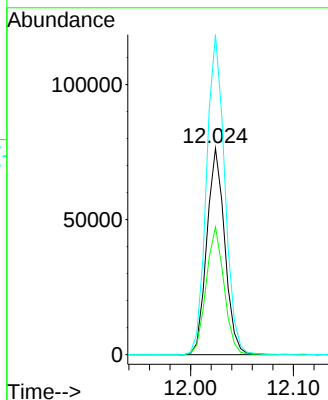
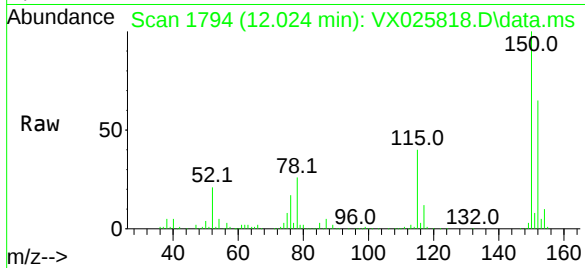




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025818.D
 Acq: 15 Dec 2021 16:39

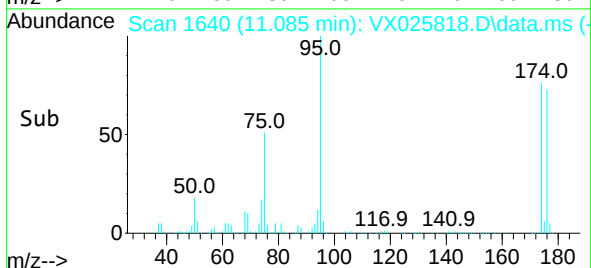
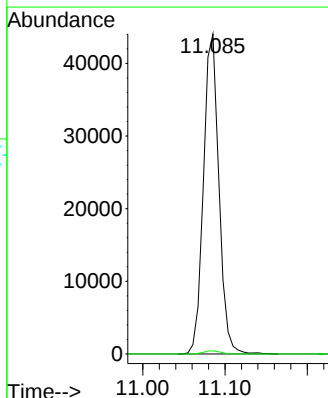
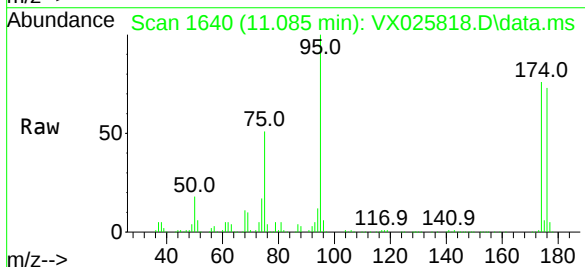
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20211207

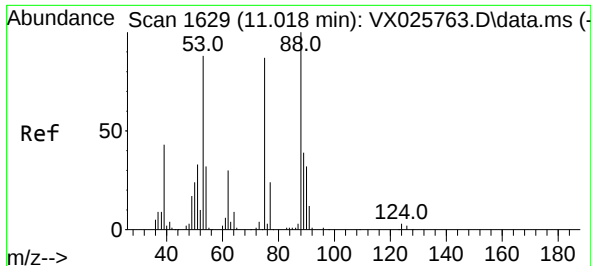
Tgt Ion:152 Resp: 92766
 Ion Ratio Lower Upper
 152 100
 115 61.8 41.3 123.9
 150 158.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 27.082 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025818.D
 Acq: 15 Dec 2021 16:39

Tgt Ion: 75 Resp: 57560
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.0 57.0#

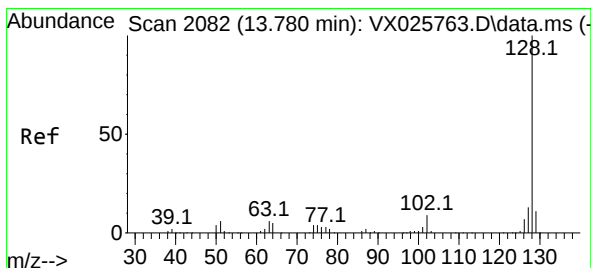
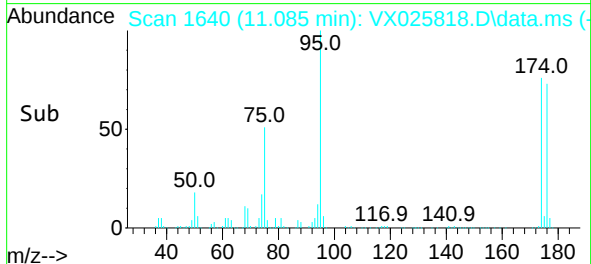
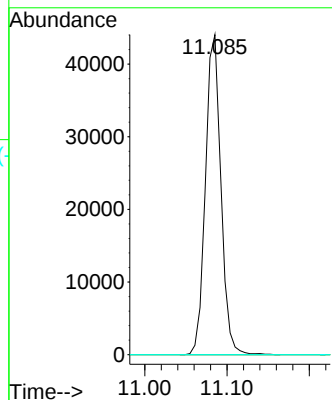
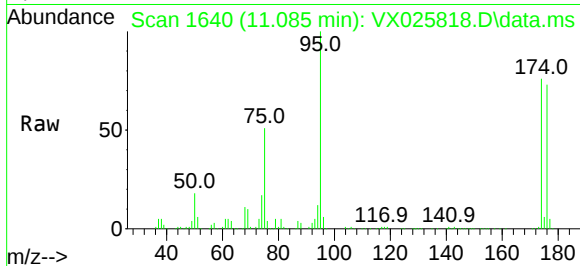




#81
trans-1,4-Dichloro-2-butene
Concen: 83.960 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20211207

Tgt Ion: 75 Resp: 57560
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.414 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX025818.D
Acq: 15 Dec 2021 16:39

Tgt Ion: 128 Resp: 18
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

