

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025774.D
 Acq On : 14 Dec 2021 14:12
 Operator : JC/MD
 Sample : M4988-12DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20211207DL

Quant Time: Dec 15 07:03:17 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)

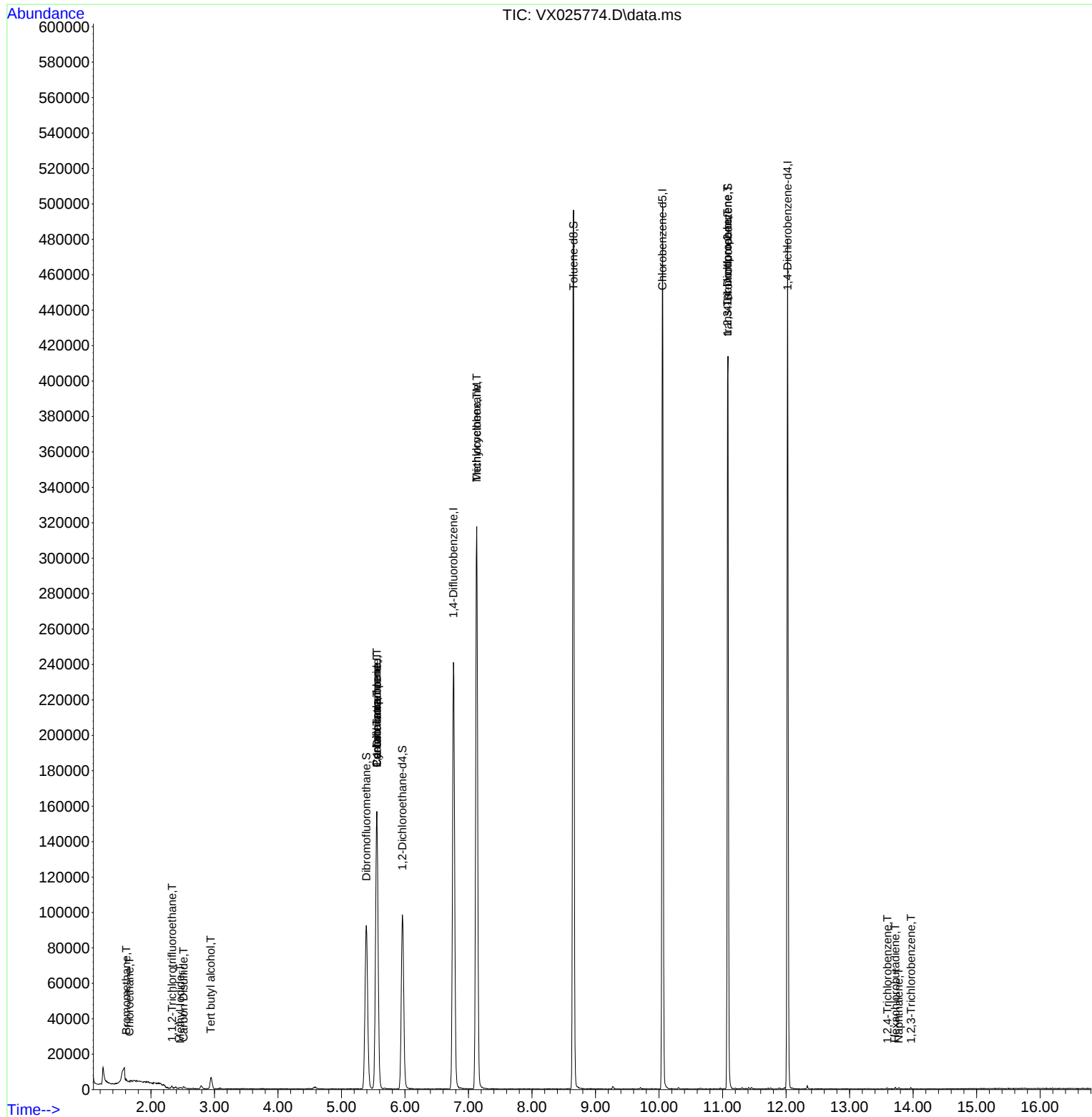
Internal Standards						
1) Pentafluorobenzene	5.556	168	147906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251761	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93703	44.031	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.060%
35) Dibromofluoromethane	5.391	113	80872	46.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.120%
50) Toluene-d8	8.653	98	292938	45.791	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.580%#
62) 4-Bromofluorobenzene	11.085	95	112713	46.382	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.760%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	338	0.258	ug/l #	56
6) Chloroethane	1.660	64	384	0.289	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	415	0.264	ug/l #	85
10) Methyl Iodide	2.459	142	699	0.348	ug/l #	84
11) Tert butyl alcohol	2.940	59	3671	8.599	ug/l #	78
16) Acetone	2.386	43	975	Below Cal	#	84
17) Carbon Disulfide	2.514	76	1178	0.263	ug/l #	90
20) Methylene Chloride	2.794	84	717	Below Cal		97
31) Cyclohexane	5.556	56	3573	1.381	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	11072	4.650	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14805	5.344	ug/l #	15
39) Methylcyclohexane	7.129	83	1533	0.575	ug/l #	1
44) Trichloroethene	7.129	130	124667	63.045	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	56959	26.185	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56959	81.182	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.597	180	245	3.491	ug/l #	70
94) Hexachlorobutadiene	13.719	225	225	0.336	ug/l	89
95) Naphthalene	13.774	128	577	2.496	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.969	180	227	3.107	ug/l	91

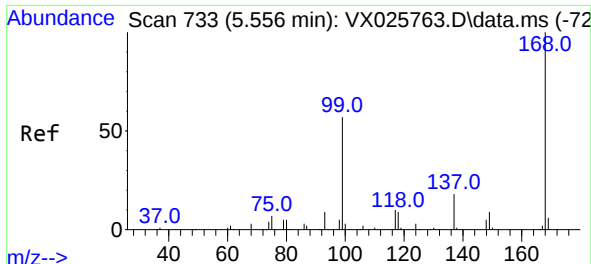
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
RE122D2-20211207DL

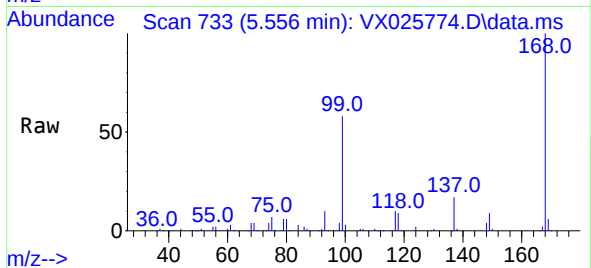
Quant Time: Dec 15 07:03:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



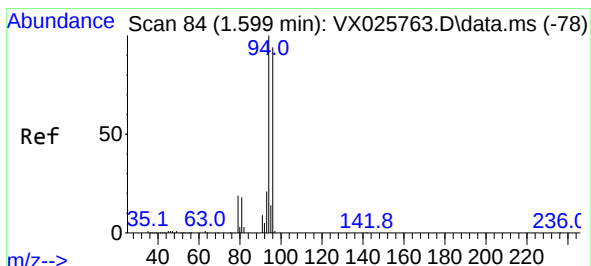
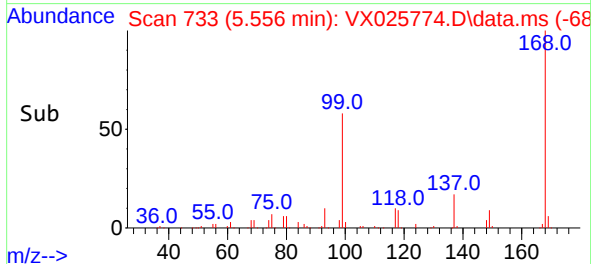
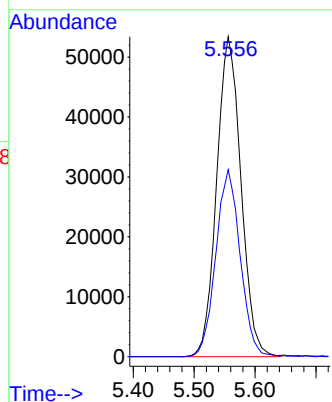


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

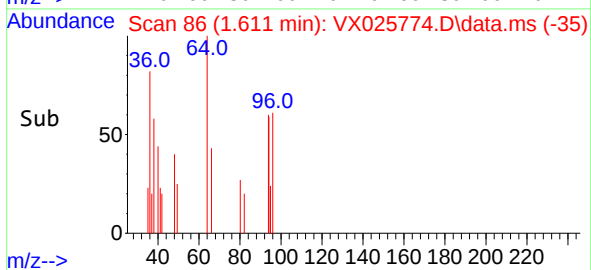
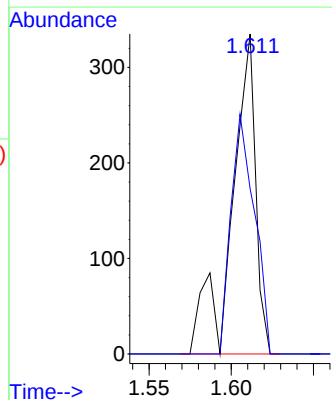
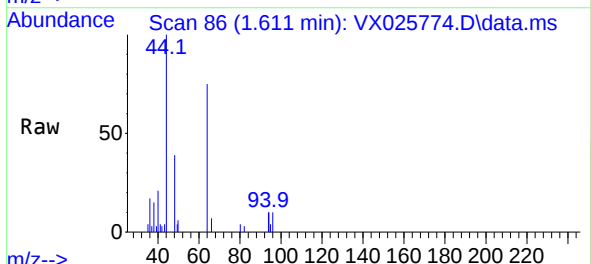


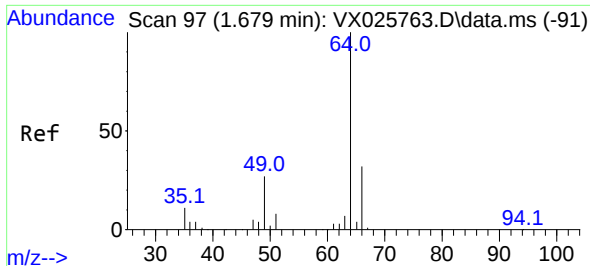
Tgt Ion:168 Resp: 147906
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.8



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 51.6 75.0 112.4#

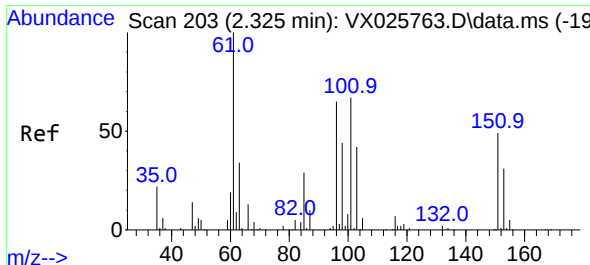
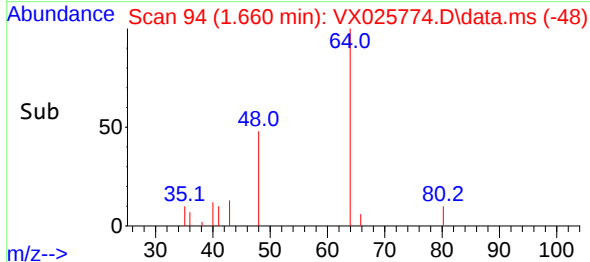
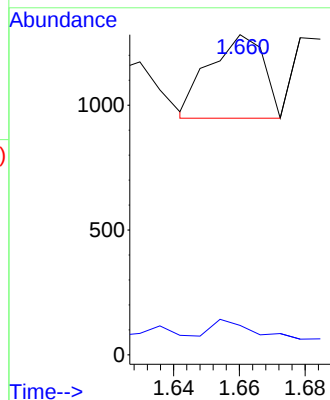
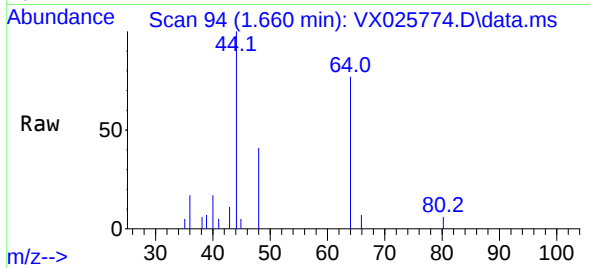




#6
Chloroethane
Concen: 0.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

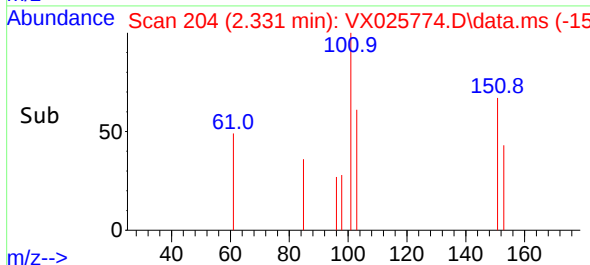
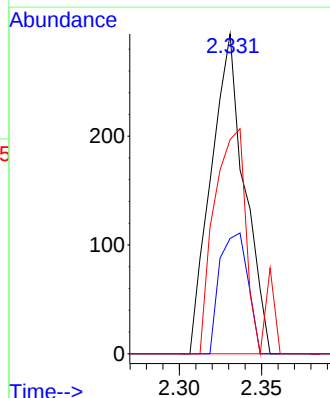
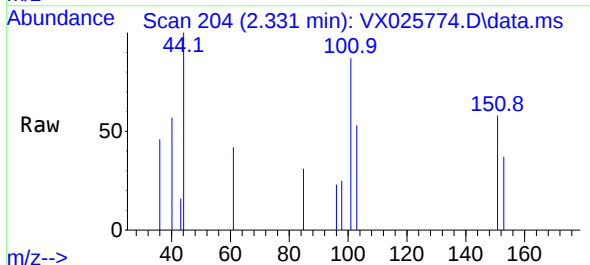
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

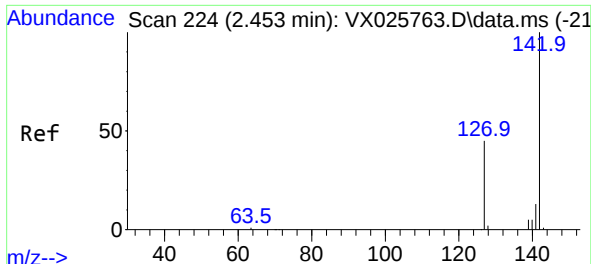
Tgt Ion: 64 Resp: 384
Ion Ratio Lower Upper
64 100
66 11.9 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.264 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

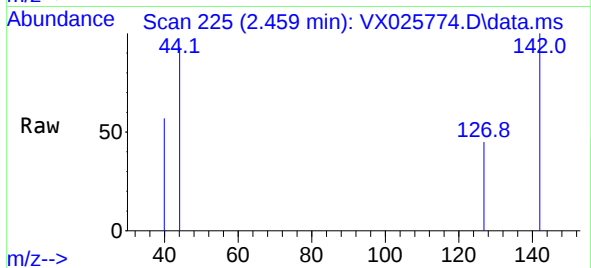
Tgt Ion: 101 Resp: 415
Ion Ratio Lower Upper
101 100
85 31.8 36.5 54.7#
151 65.5 60.6 90.8



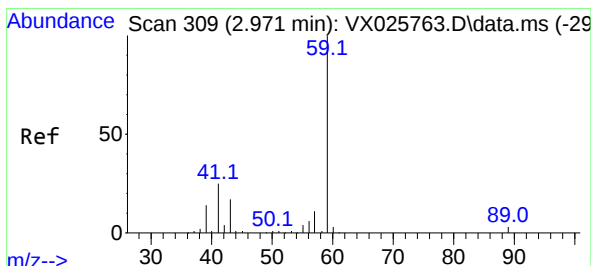
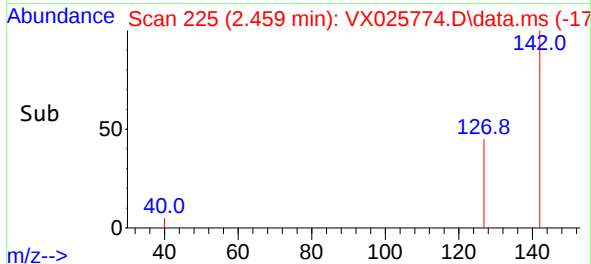
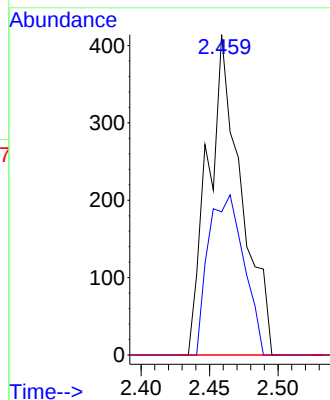


#10
Methyl Iodide
Concen: 0.348 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

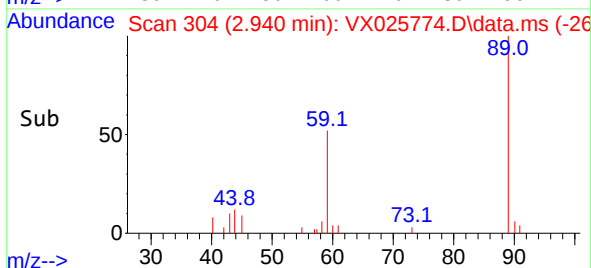
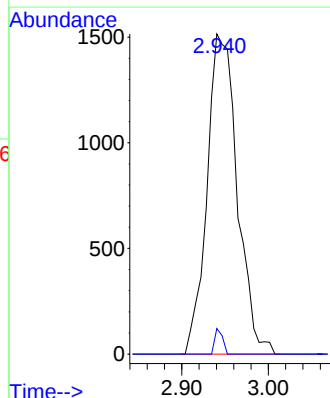
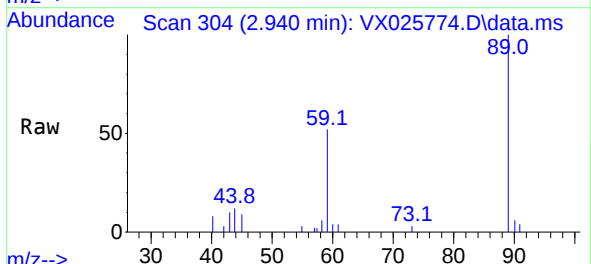


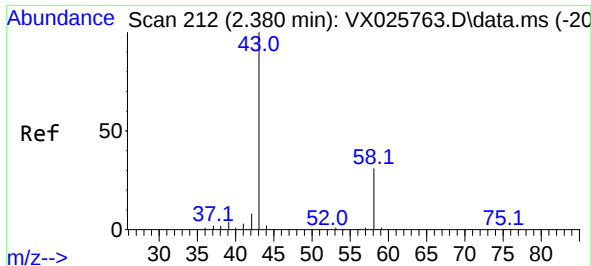
Tgt Ion:142 Resp: 699
Ion Ratio Lower Upper
142 100
127 53.4 37.5 56.3
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 8.599 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 59 Resp: 3671
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#

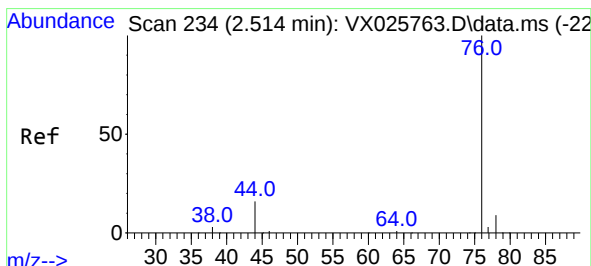
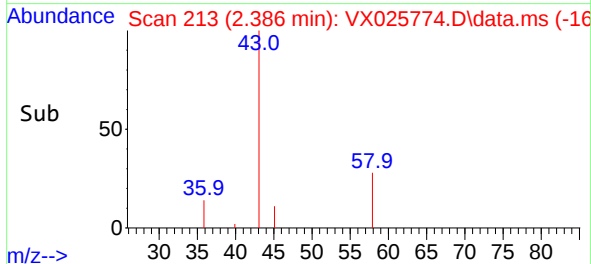
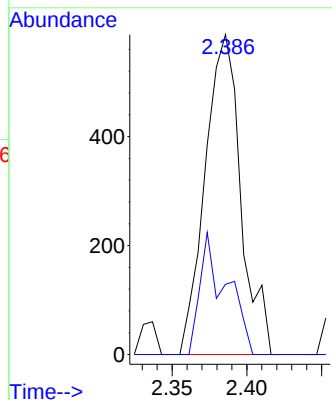
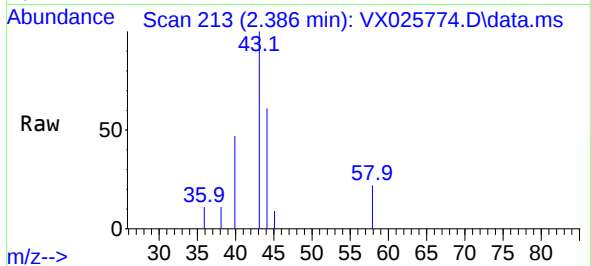




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

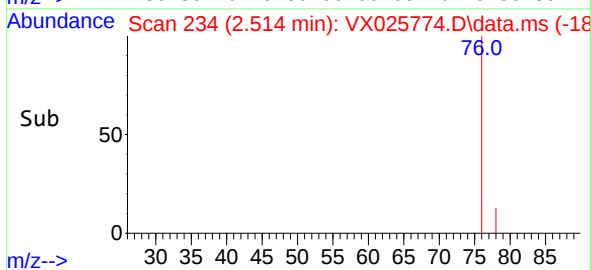
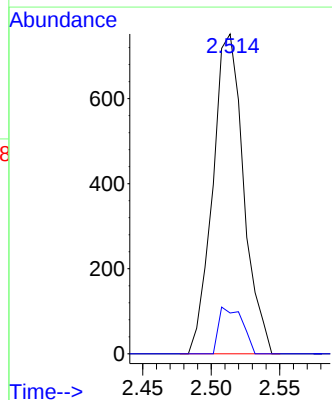
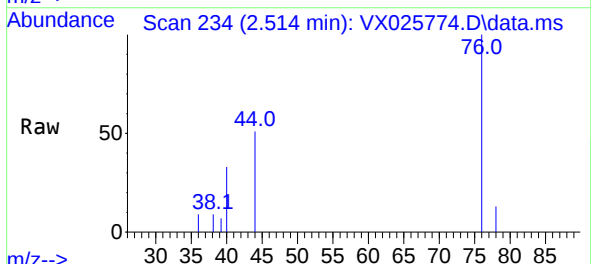
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

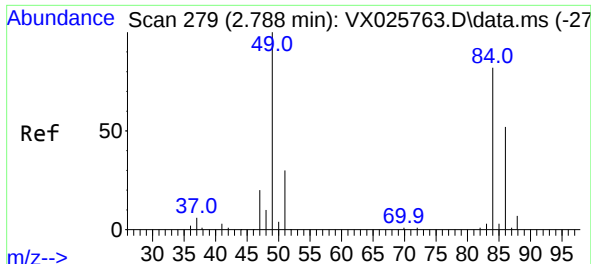
Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 22.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 76 Resp: 1178
Ion Ratio Lower Upper
76 100
78 12.8 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025774.D

Acq: 14 Dec 2021 14:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20211207DL

Tgt Ion: 84 Resp: 717

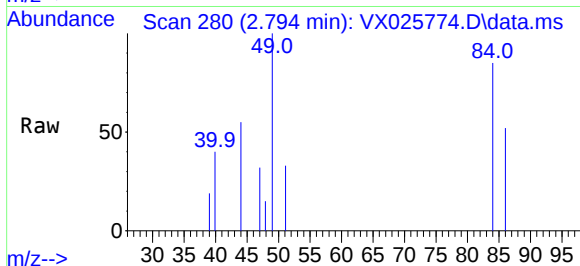
Ion Ratio Lower Upper

84 100

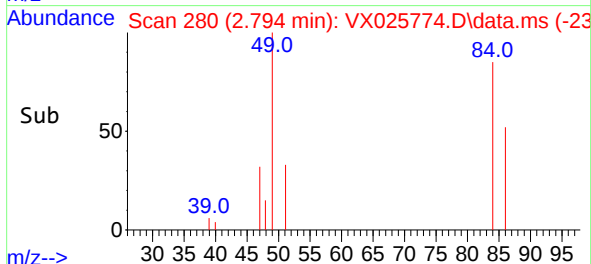
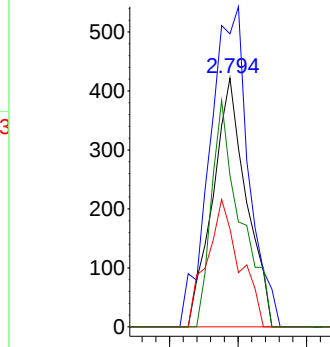
49 117.8 97.1 145.7

51 39.3 29.3 43.9

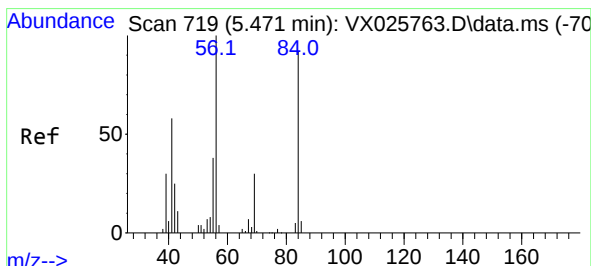
86 60.9 50.8 76.2



Abundance



Time-->



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025774.D

Acq: 14 Dec 2021 14:12

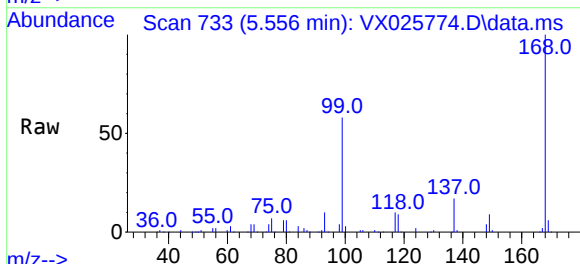
Tgt Ion: 56 Resp: 3573

Ion Ratio Lower Upper

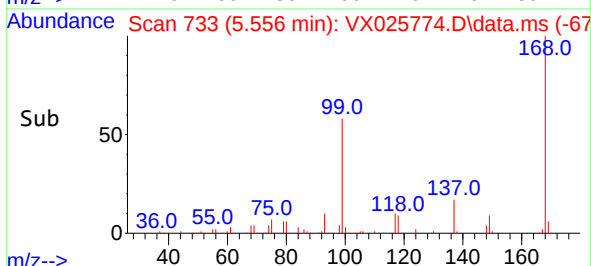
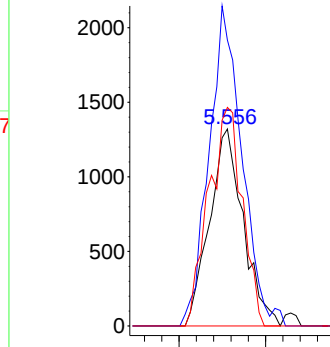
56 100

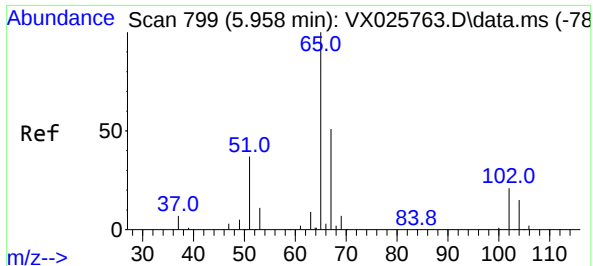
69 145.1 23.9 35.9#

84 111.0 73.2 109.8#



Abundance

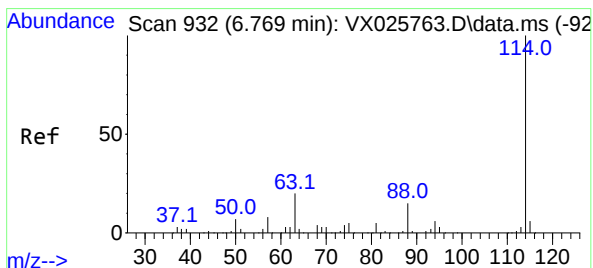
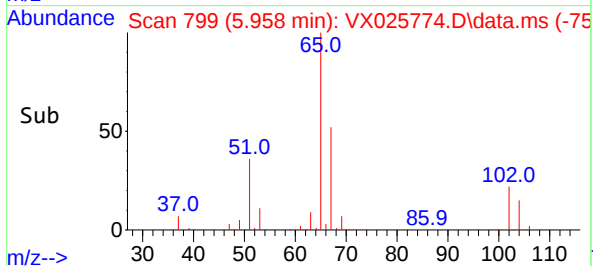
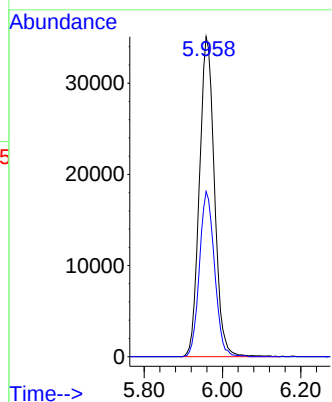
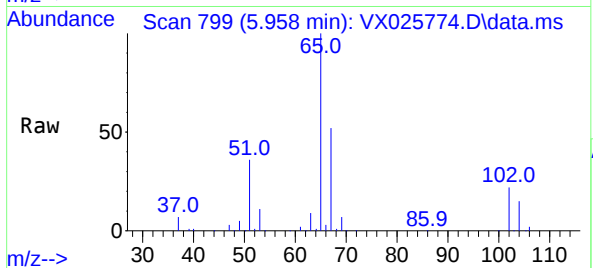




#33
 1,2-Dichloroethane-d4
 Concen: 44.031 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX025774.D
 Acq: 14 Dec 2021 14:12

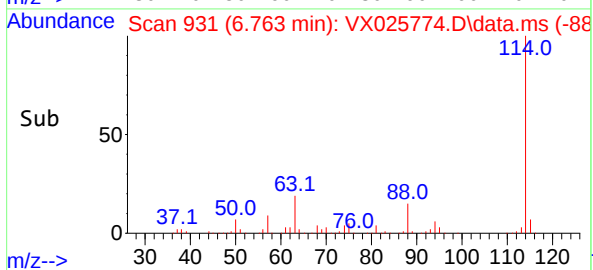
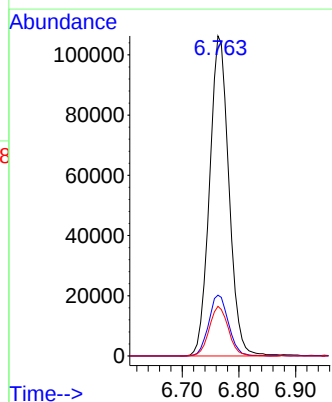
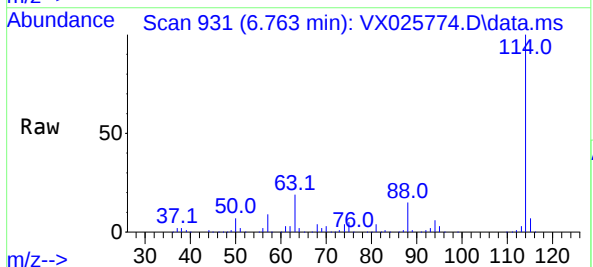
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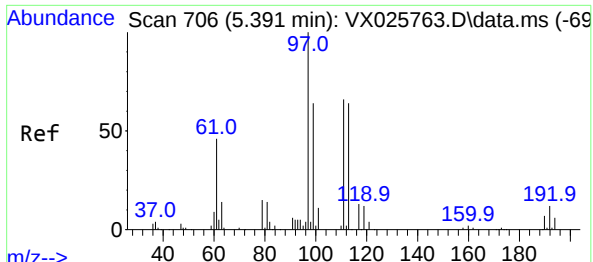
Tgt Ion: 65 Resp: 93703
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX025774.D
 Acq: 14 Dec 2021 14:12

Tgt Ion: 114 Resp: 251761
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.060 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025774.D

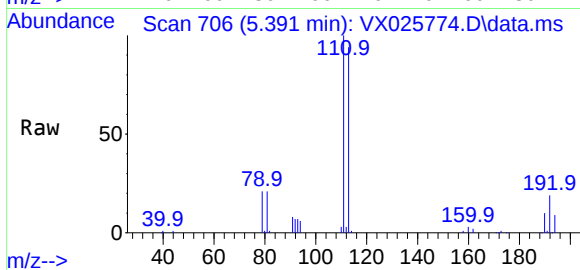
Acq: 14 Dec 2021 14:12

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20211207DL



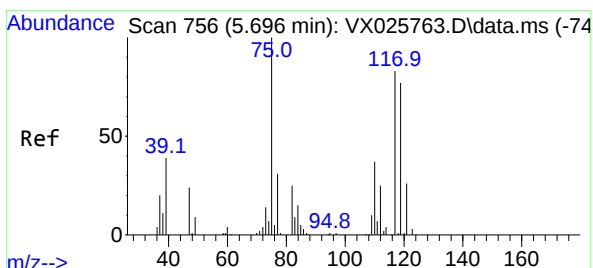
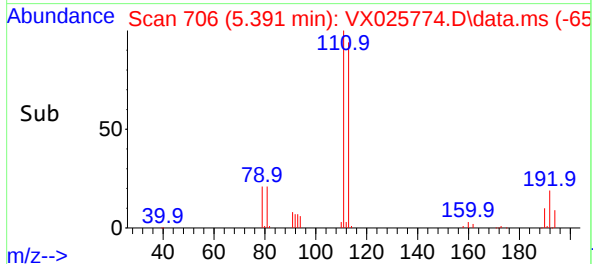
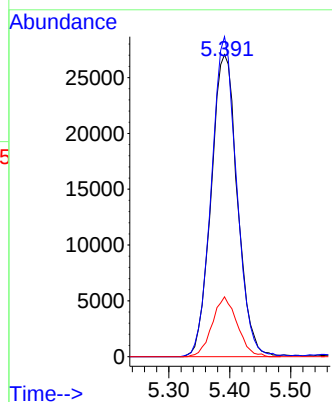
Tgt Ion:113 Resp: 80872

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 18.9 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025774.D

Acq: 14 Dec 2021 14:12

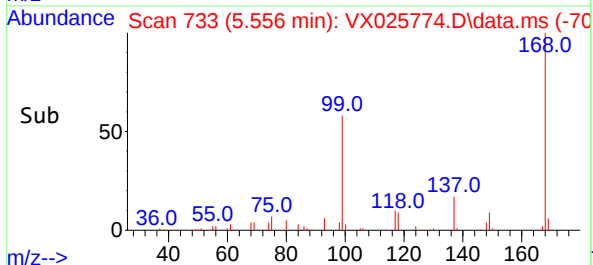
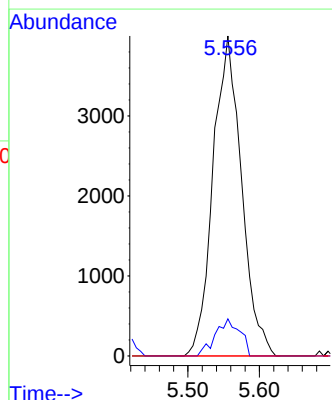
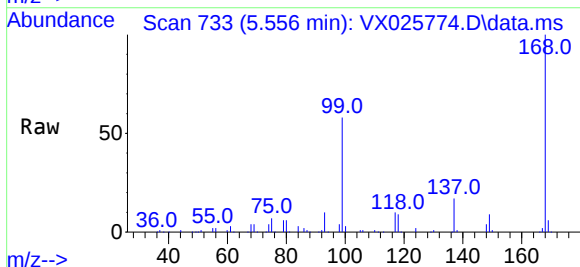
Tgt Ion: 75 Resp: 11072

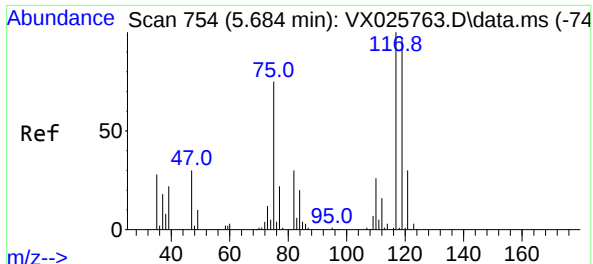
Ion Ratio Lower Upper

75 100

110 10.0 18.2 54.6#

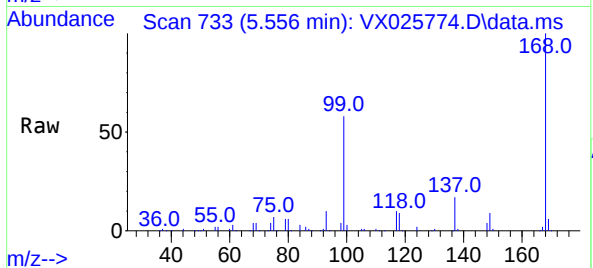
77 0.0 24.7 37.1#



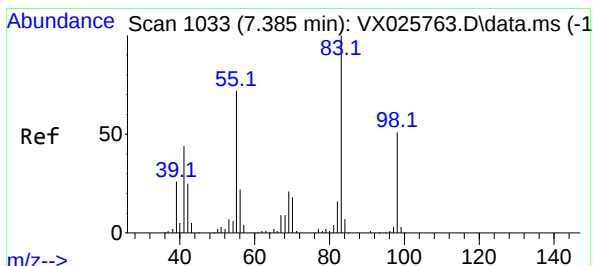
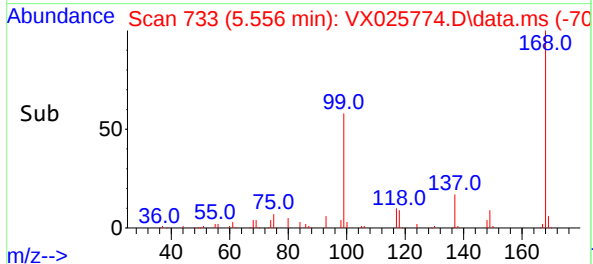
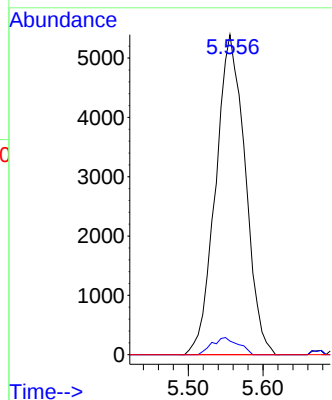


#38
Carbon Tetrachloride
Concen: 5.344 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

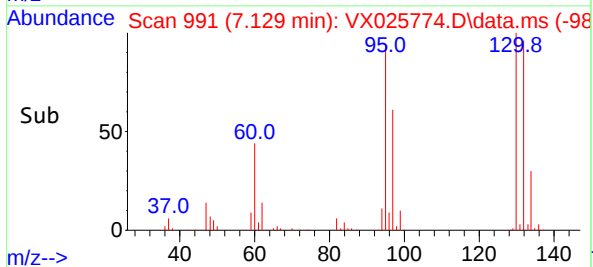
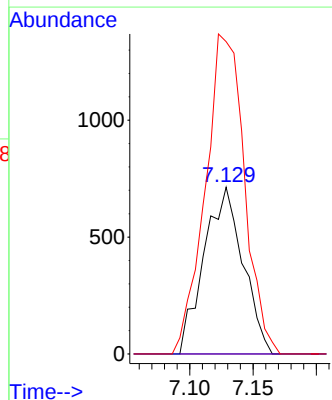
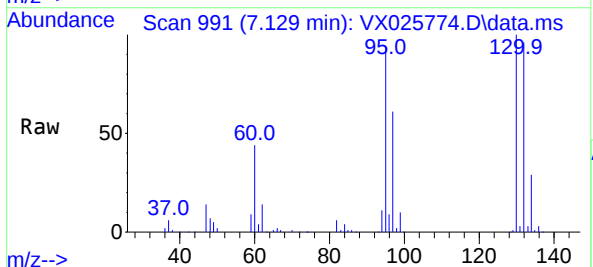


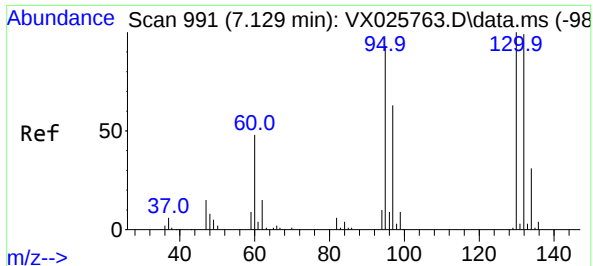
Tgt Ion:117 Resp: 14805
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.575 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 83 Resp: 1533
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 187.4 40.5 60.7#

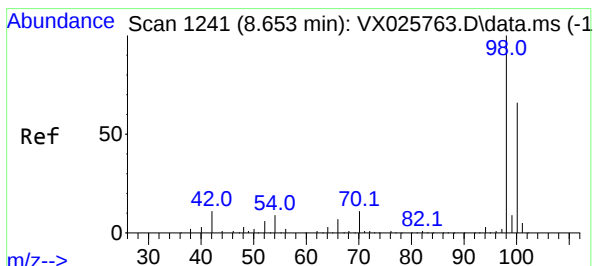
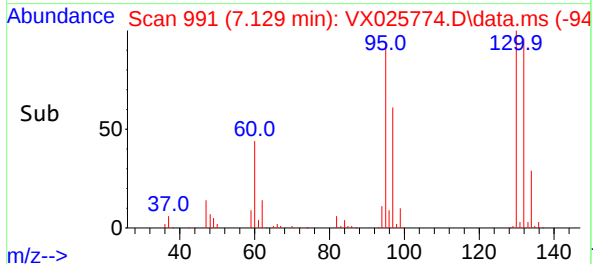
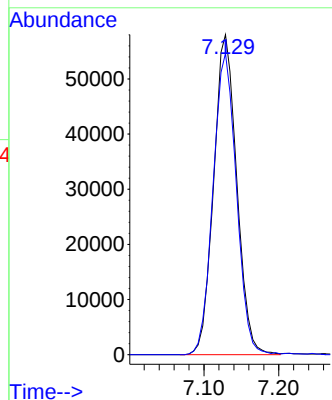
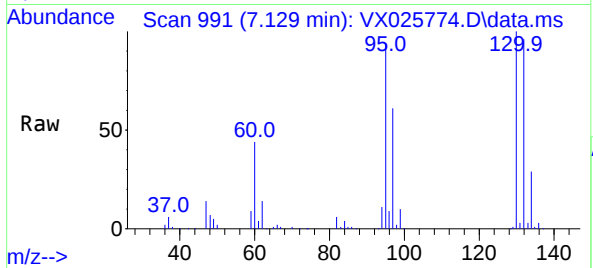




#44
Trichloroethene
Concen: 63.045 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

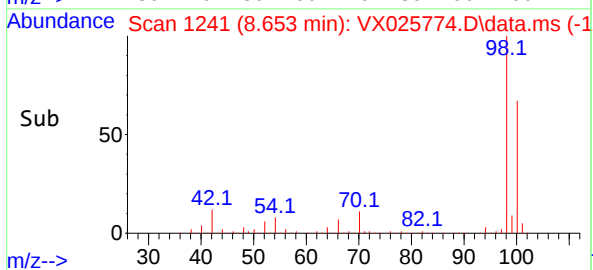
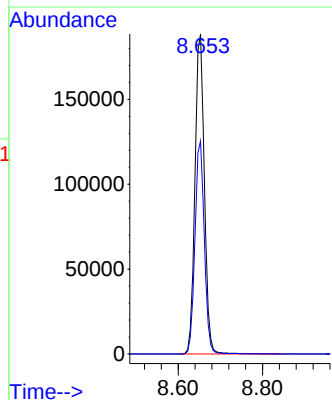
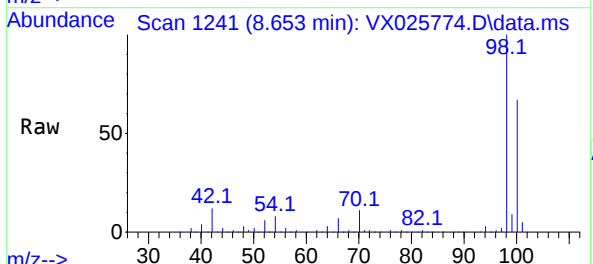
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

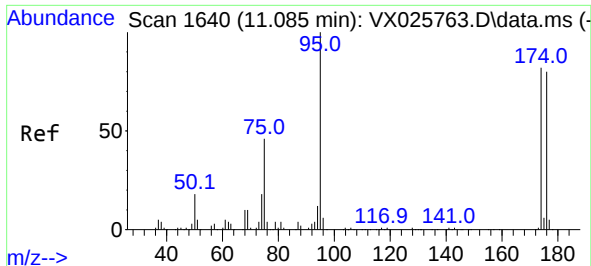
Tgt Ion:130 Resp: 124667
Ion Ratio Lower Upper
130 100
95 94.2 0.0 186.4



#50
Toluene-d8
Concen: 45.791 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 98 Resp: 292938
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

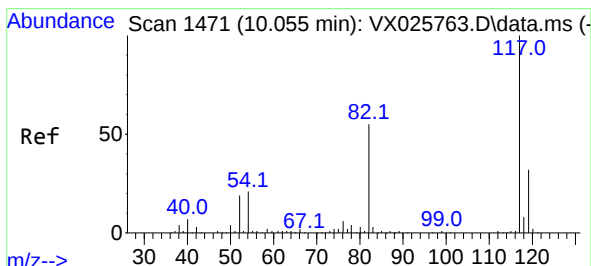
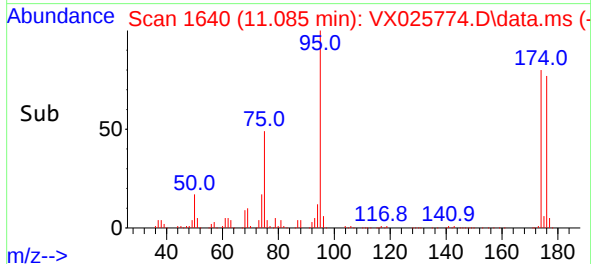
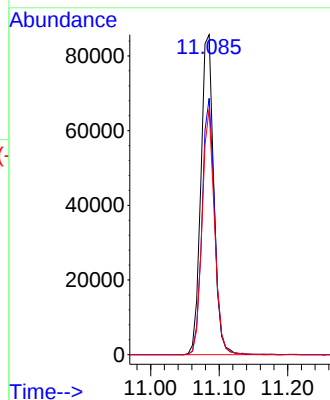
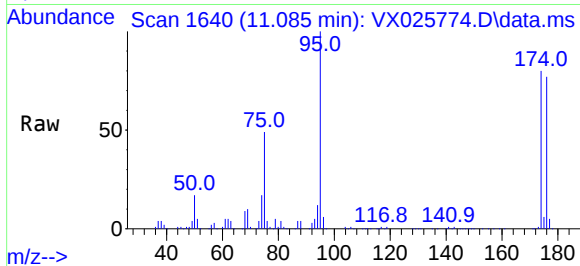




#62
4-Bromofluorobenzene
Concen: 46.382 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

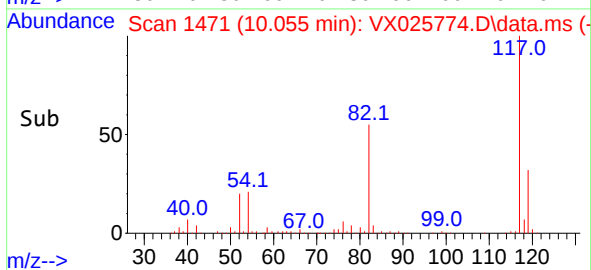
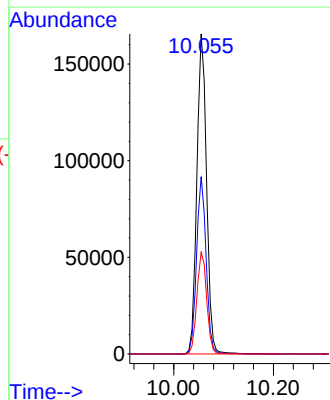
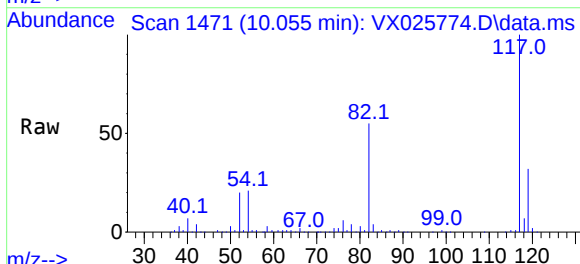
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

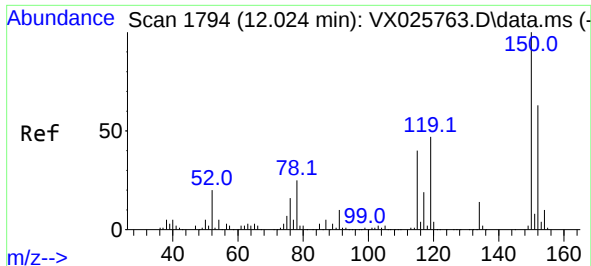
Tgt Ion: 95 Resp: 112713
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.4
176 73.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 117 Resp: 223515
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.6
119 31.7 25.2 37.8

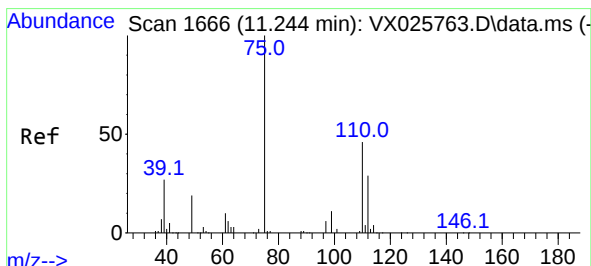
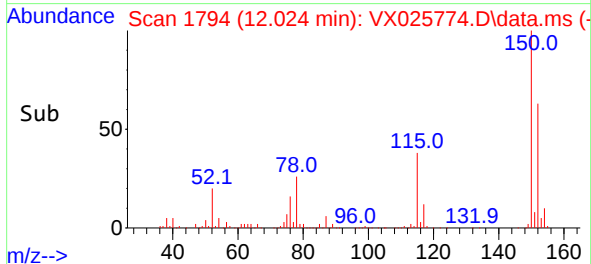
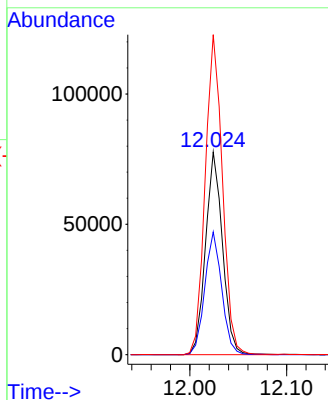
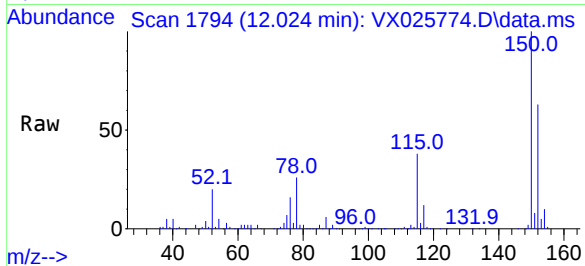




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

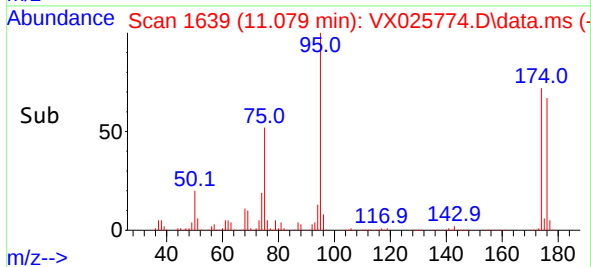
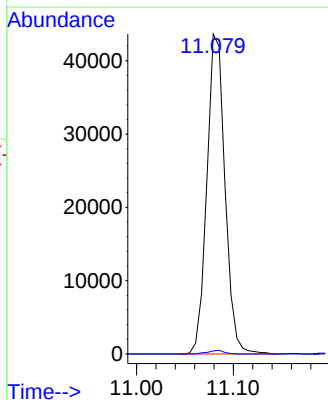
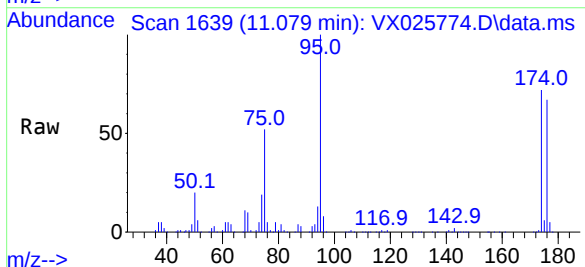
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

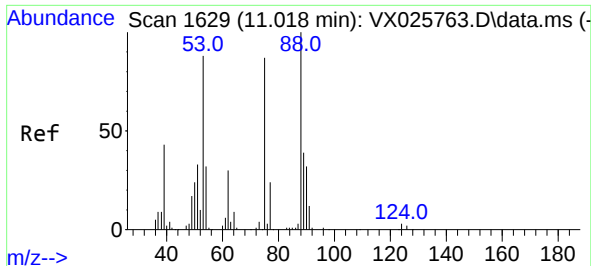
Tgt Ion:152 Resp: 94939
Ion Ratio Lower Upper
152 100
115 60.5 41.3 123.9
150 160.5 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 26.185 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 75 Resp: 56959
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#

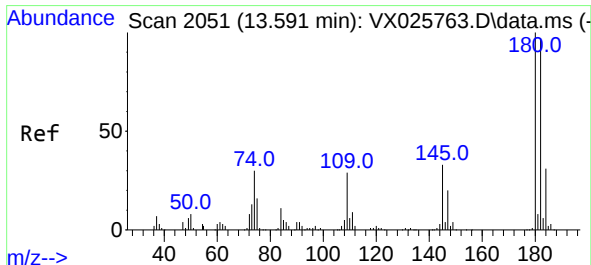
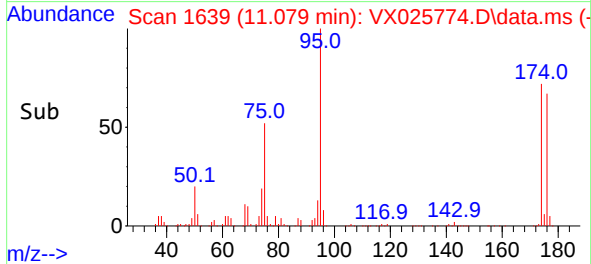
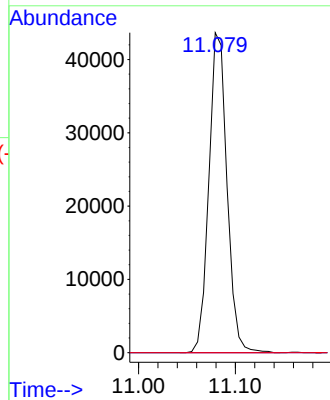
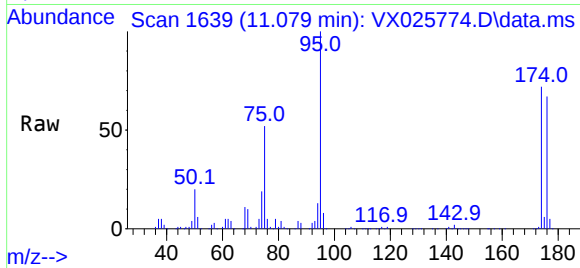




#81
trans-1,4-Dichloro-2-butene
Concen: 81.182 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

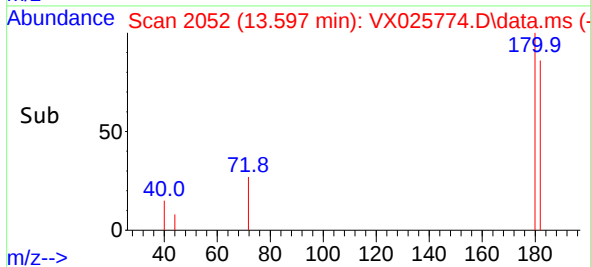
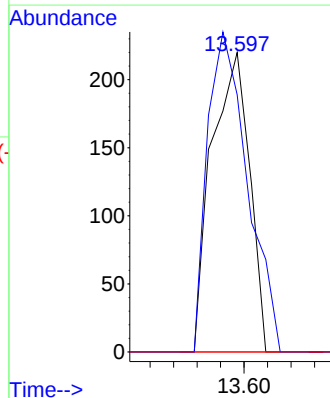
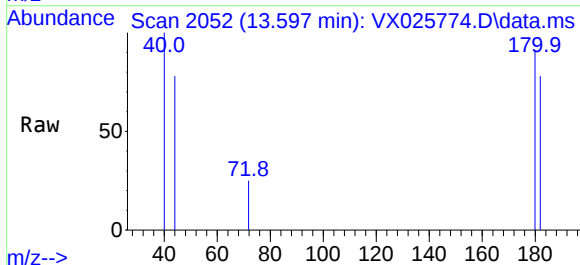
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL

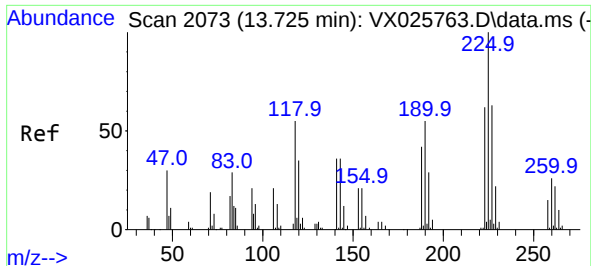
Tgt Ion: 75 Resp: 56959
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 3.491 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

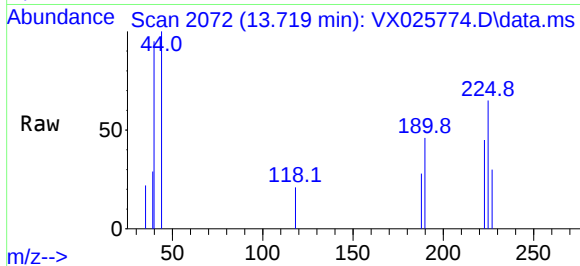
Tgt Ion:180 Resp: 245
Ion Ratio Lower Upper
180 100
182 113.5 47.2 141.6
145 0.0 16.3 48.9#





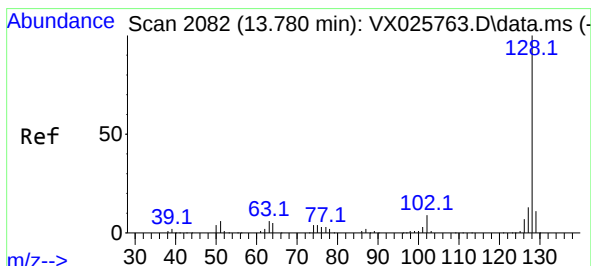
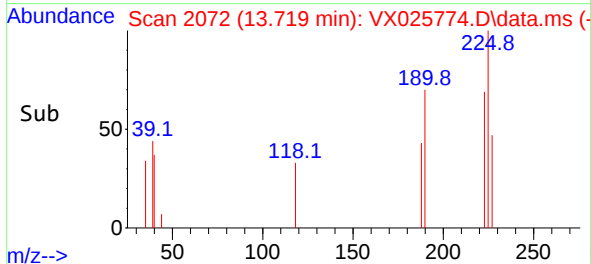
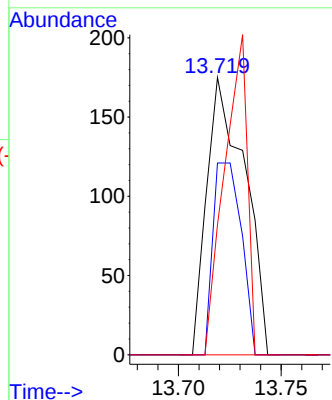
#94
Hexachlorobutadiene
Concen: 0.336 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20211207DL



Tgt Ion: 225 Resp: 225

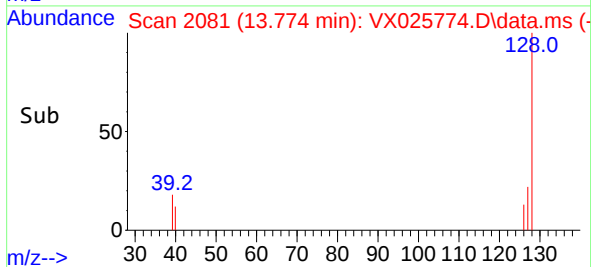
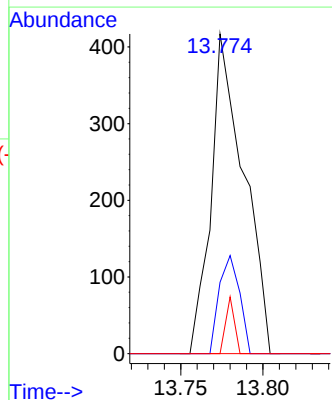
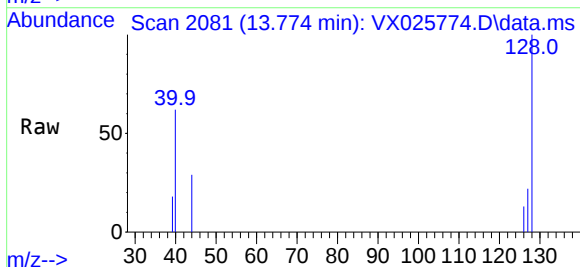
Ion	Ratio	Lower	Upper
225	100		
223	51.6	31.6	95.0
227	69.8	32.5	97.5

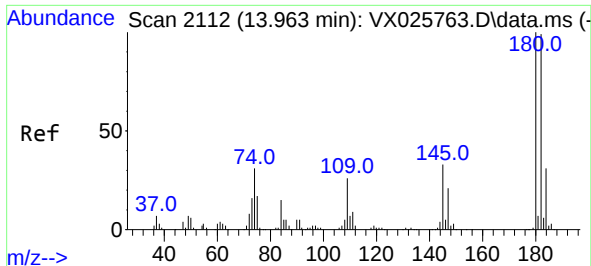


#95
Naphthalene
Concen: 2.496 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX025774.D
Acq: 14 Dec 2021 14:12

Tgt Ion: 128 Resp: 577

Ion	Ratio	Lower	Upper
128	100		
127	19.1	10.3	15.5#
129	4.7	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.107 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX025774.D
 Acq: 14 Dec 2021 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20211207DL

Tgt Ion:180 Resp: 227
 Ion Ratio Lower Upper
 180 100
 182 101.3 47.5 142.6
 145 24.2 16.7 50.1

