

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025543.D
 Acq On : 06 Dec 2021 12:57
 Operator : JC/MD
 Sample : M4923-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20211130DL

Quant Time: Dec 07 05:58:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

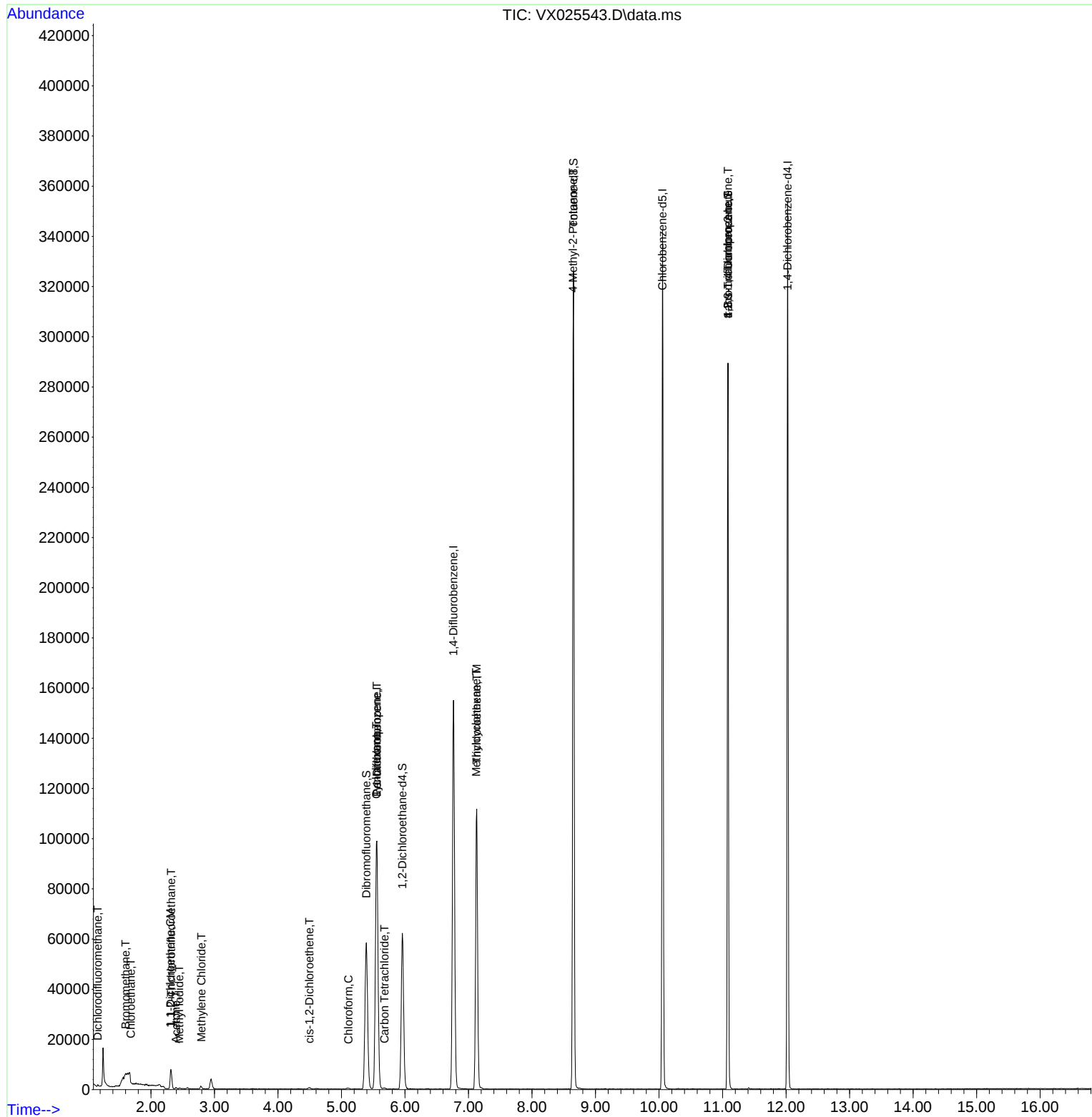
Internal Standards						
1) Pentafluorobenzene	5.556	168	100353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58271	55.088	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.180%
35) Dibromofluoromethane	5.391	113	50951	49.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.520%
50) Toluene-d8	8.653	98	193598	50.282	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.560%
62) 4-Bromofluorobenzene	11.085	95	73346	50.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	218	0.251	ug/l	100
5) Bromomethane	1.599	94	300	0.590	ug/l	96
6) Chloroethane	1.684	64	303	0.371	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	2247	2.406	ug/l	98
10) Methyl Iodide	2.447	142	417	0.357	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	959	1.031	ug/l	96
16) Acetone	2.392	43	493	0.839	ug/l #	85
20) Methylene Chloride	2.794	84	583	0.528	ug/l #	68
27) cis-1,2-Dichloroethene	4.495	96	415	0.349	ug/l	83
30) Chloroform	5.111	83	630	0.346	ug/l #	67
31) Cyclohexane	5.550	56	1743	1.066	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7183	4.933	ug/l #	48
38) Carbon Tetrachloride	5.678	117	467	0.291	ug/l #	81
39) Methylcyclohexane	7.123	83	494	0.264	ug/l #	1
44) Trichloroethene	7.129	130	45118	35.210	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	915	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	35735	24.093	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	35735	60.693	ug/l #	9
95) Naphthalene	13.774	128	143	Below Cal	#	69

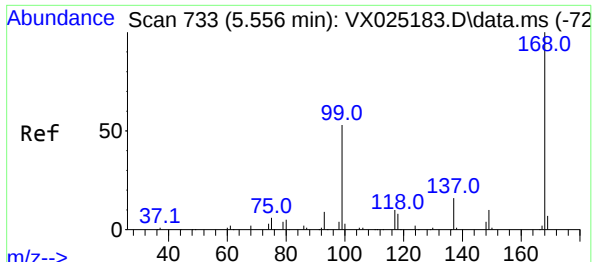
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

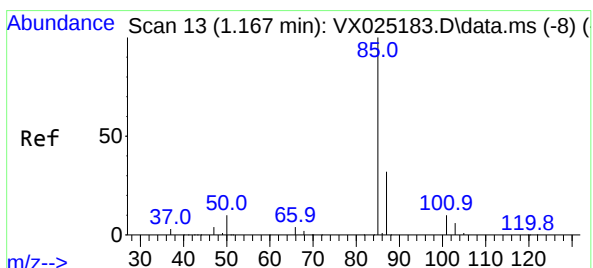
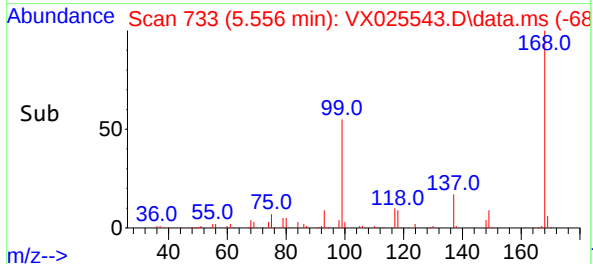
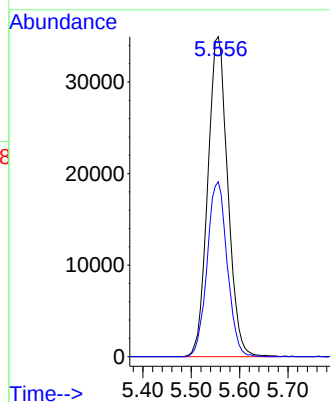
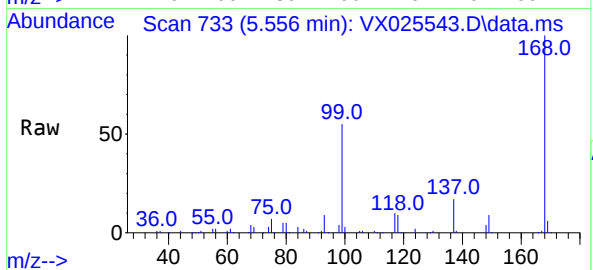




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

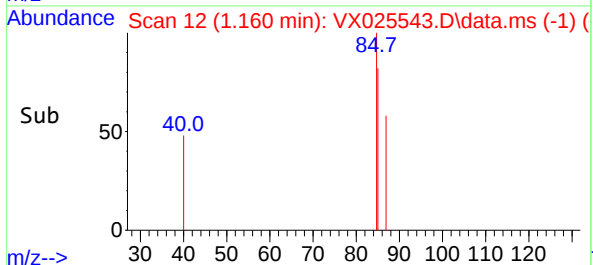
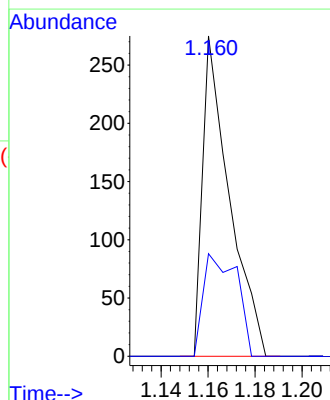
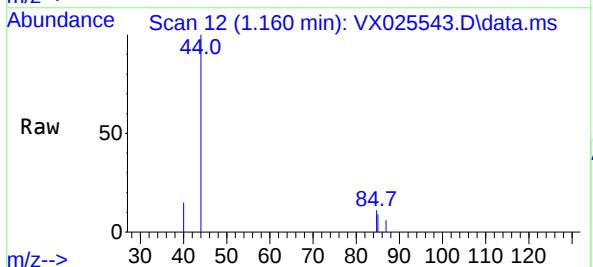
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

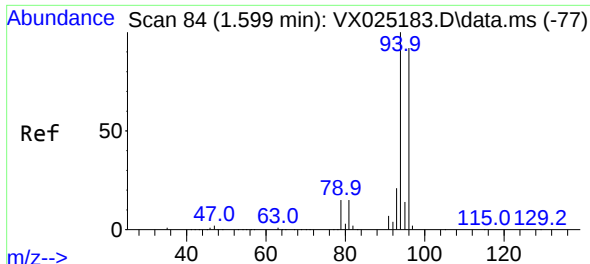
Tgt Ion:168 Resp: 100353
Ion Ratio Lower Upper
168 100
99 54.7 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 0.251 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.007 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 85 Resp: 218
Ion Ratio Lower Upper
85 100
87 32.0 16.0 47.9

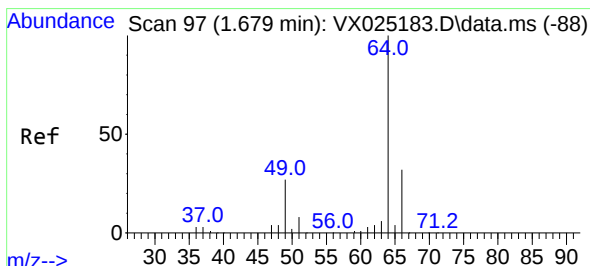
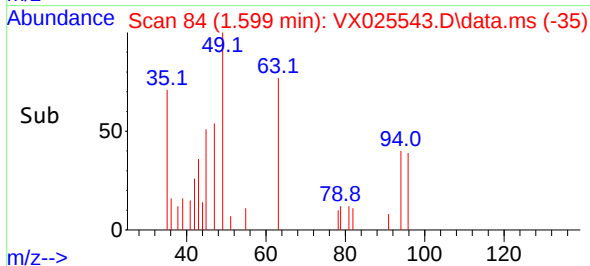
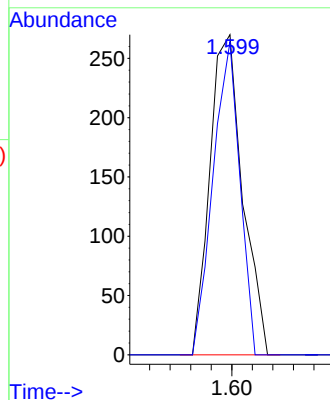
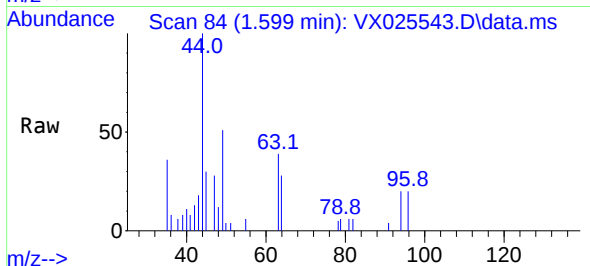




#5
Bromomethane
Concen: 0.590 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

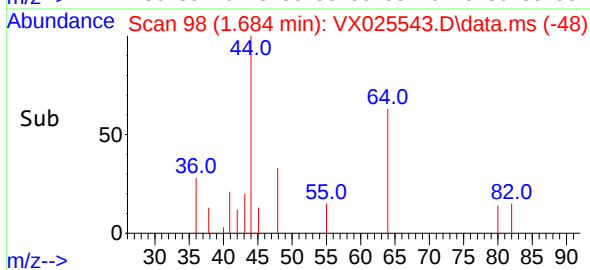
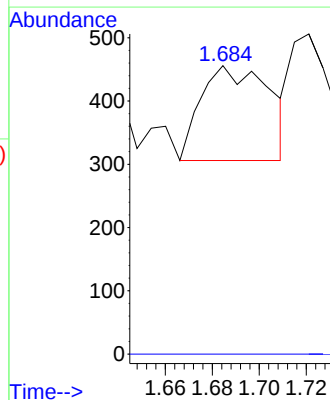
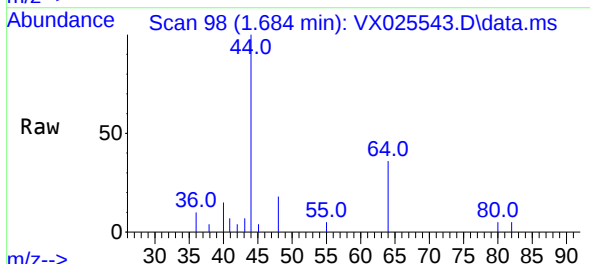
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

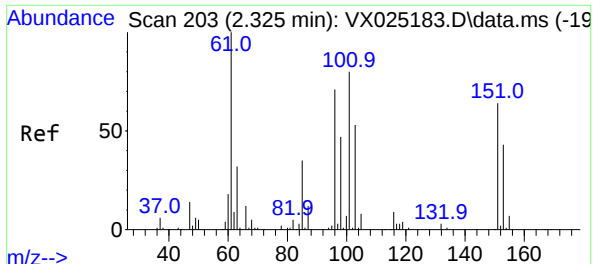
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 97.8 74.8 112.2



#6
Chloroethane
Concen: 0.371 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 64 Resp: 303
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

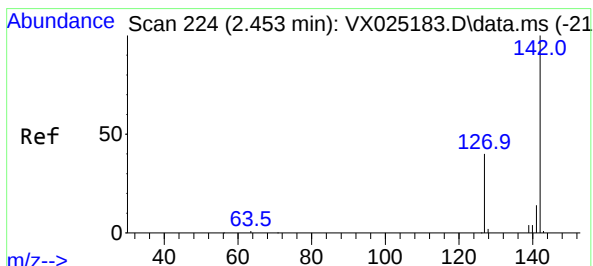
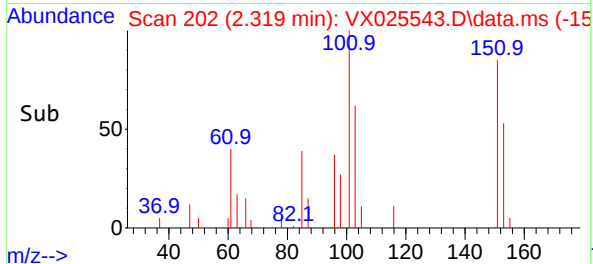
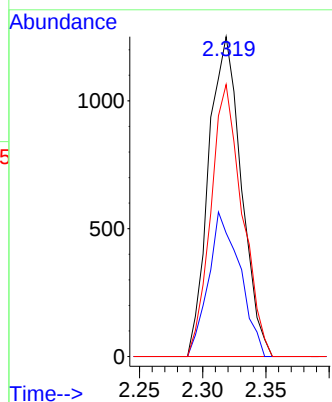
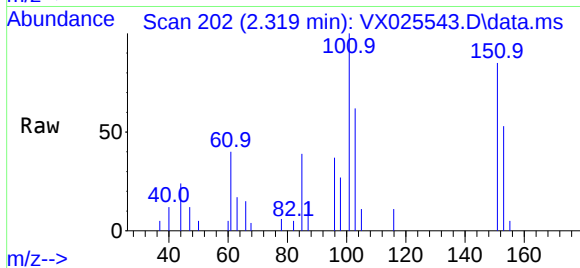




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.406 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

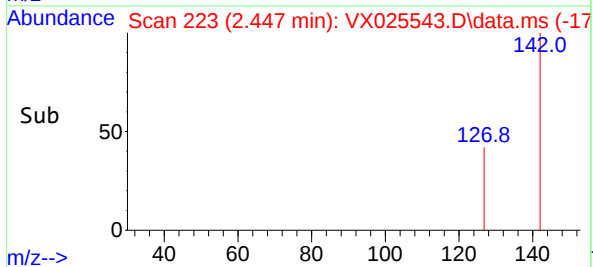
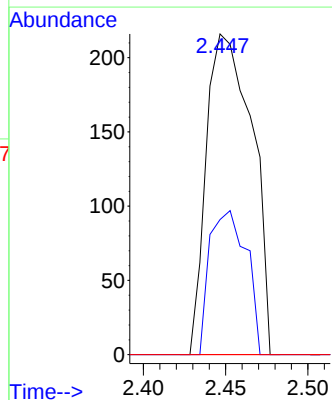
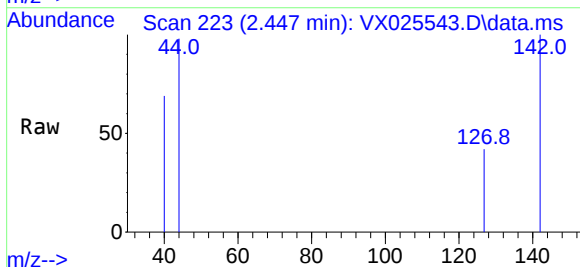
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

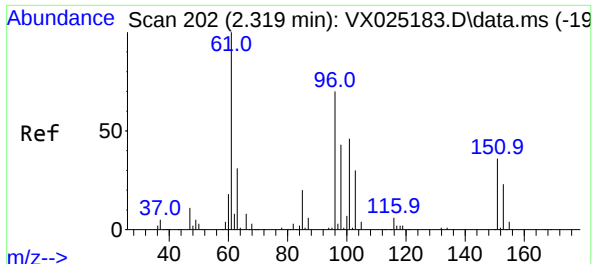
Tgt Ion:101	Resp:	2247
Ion	Ratio	Lower Upper
101	100	
85	43.5	35.9 53.9
151	82.1	64.4 96.6



#10
Methyl Iodide
Concen: 0.357 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion:142	Resp:	417
Ion	Ratio	Lower Upper
142	100	
127	36.2	38.9 58.3#
141	0.0	11.7 17.5#

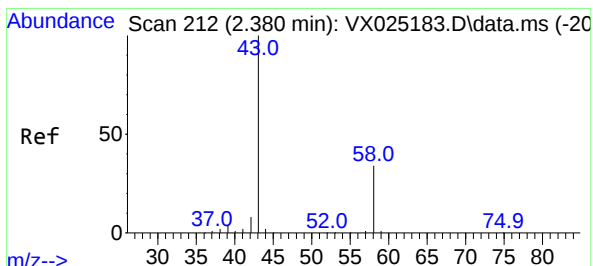
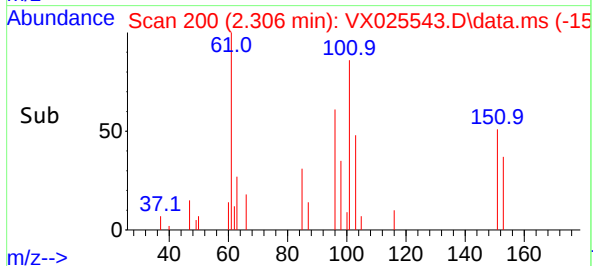
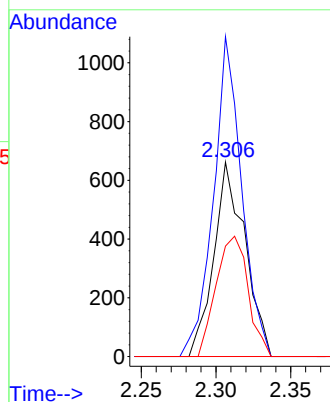
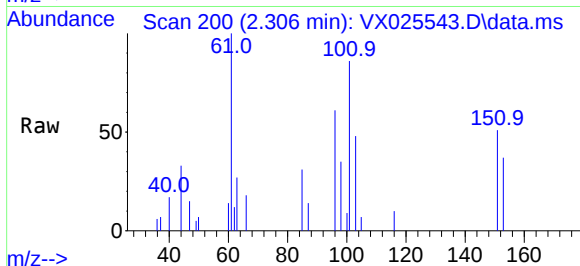




#12
1,1-Dichloroethene
Concen: 1.031 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.013 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

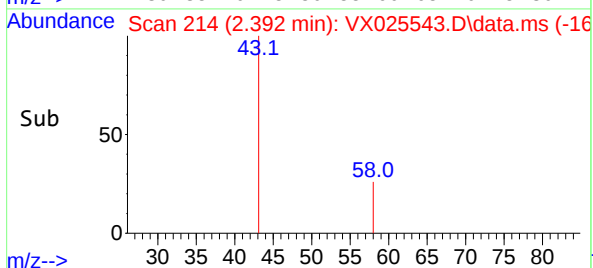
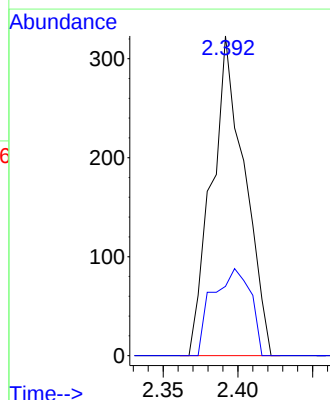
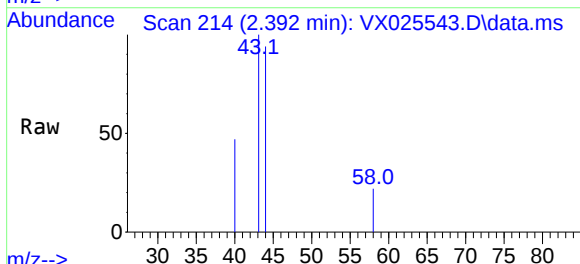
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

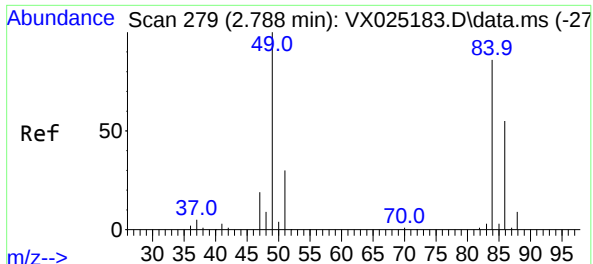
Tgt Ion:	96	Resp:	959
Ion	Ratio	Lower	Upper
96	100		
61	164.5	134.1	201.1
98	56.8	51.5	77.3



#16
Acetone
Concen: 0.839 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion:	43	Resp:	493
Ion	Ratio	Lower	Upper
43	100		
58	21.7	24.0	36.0



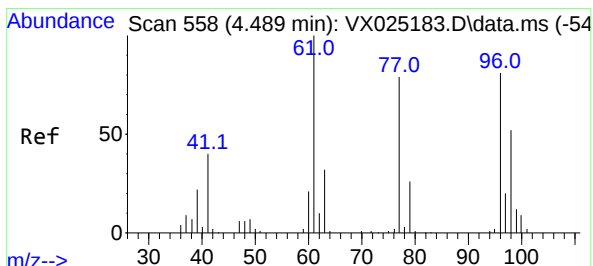
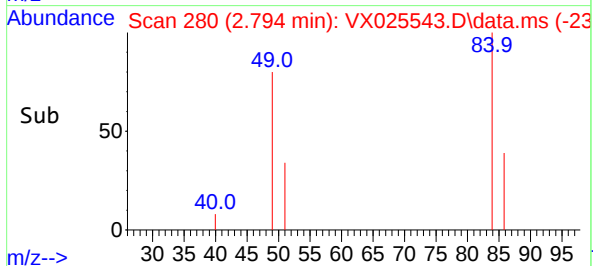
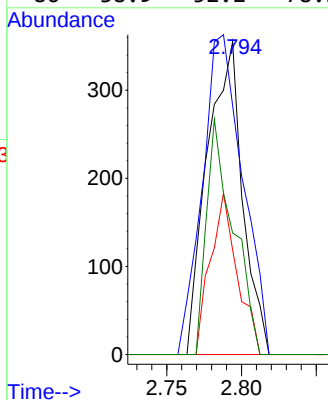
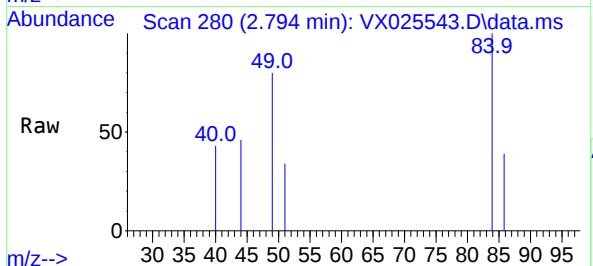


#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

Tgt Ion: 84 Resp: 583

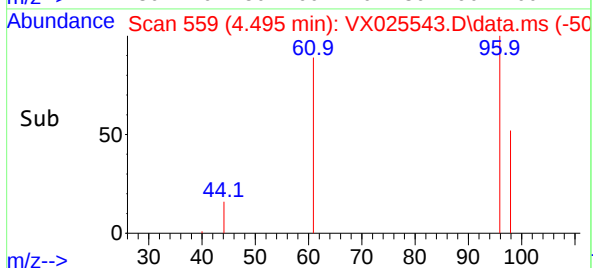
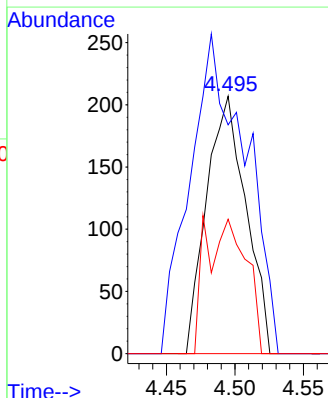
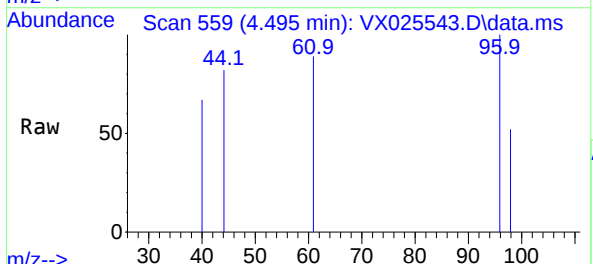
Ion	Ratio	Lower	Upper
84	100		
49	79.7	98.2	147.2#
51	33.5	30.2	45.4
86	38.9	52.2	78.2#

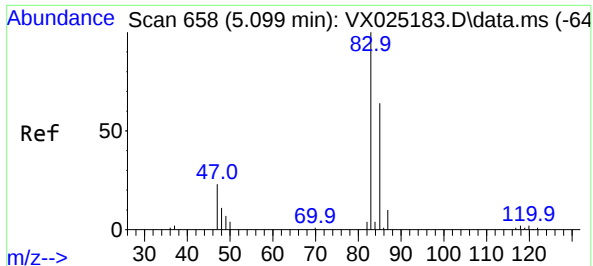


#27
cis-1,2-Dichloroethene
Concen: 0.349 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 96 Resp: 415

Ion	Ratio	Lower	Upper
96	100		
61	174.0	0.0	302.2
98	53.7	0.0	131.4





#30

Chloroform

Concen: 0.346 ug/l

RT: 5.111 min Scan# 6

Delta R.T. 0.012 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

Instrument :

MSVOA_X

ClientSampleId :

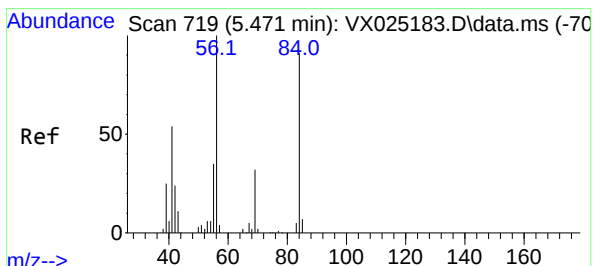
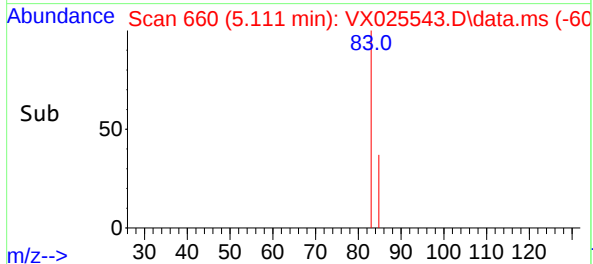
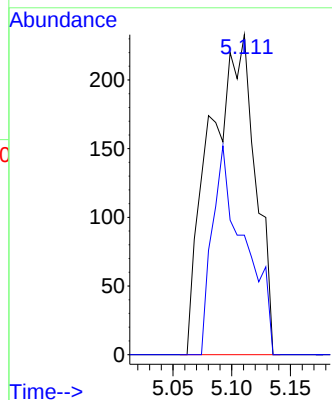
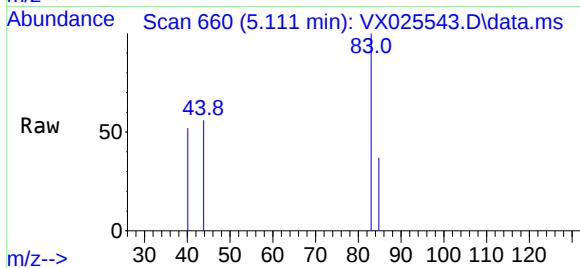
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Tgt Ion: 83 Resp: 630

Ion Ratio Lower Upper

83 100

85 37.3 50.2 75.2#



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

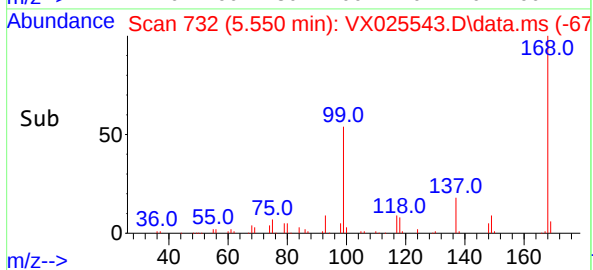
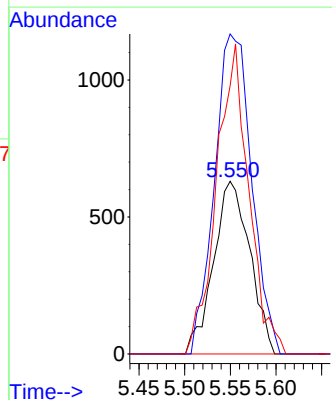
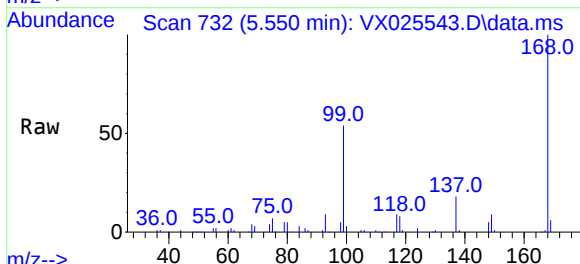
Tgt Ion: 56 Resp: 1743

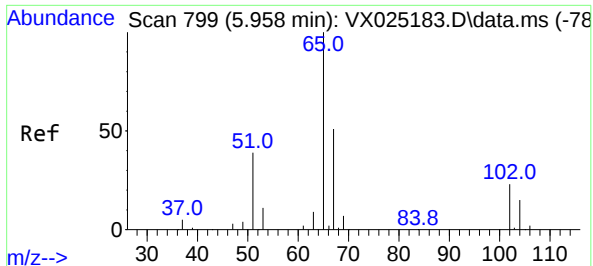
Ion Ratio Lower Upper

56 100

69 185.4 24.2 36.2#

84 155.4 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 55.088 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

Instrument :

MSVOA_X

ClientSampleId :

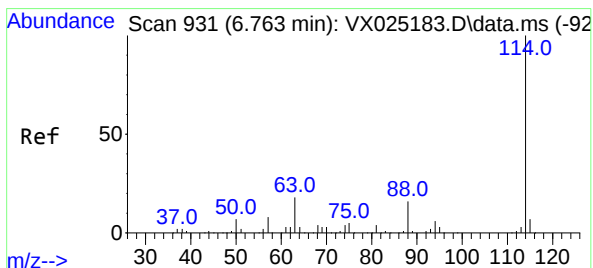
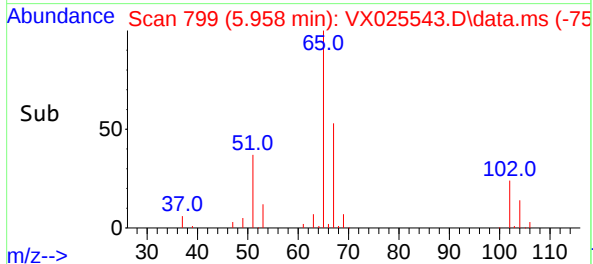
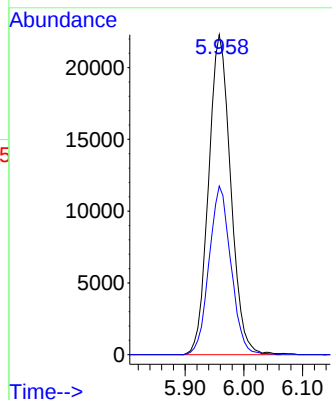
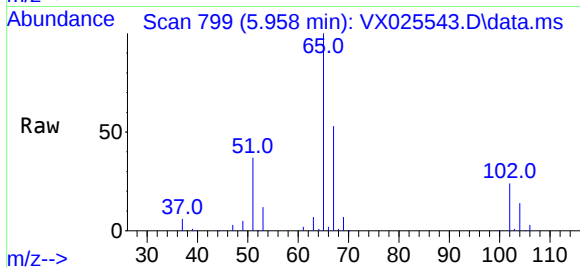
RE115D1-20211130DL

Tgt Ion: 65 Resp: 58271

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

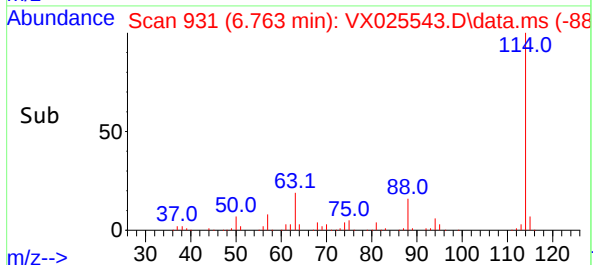
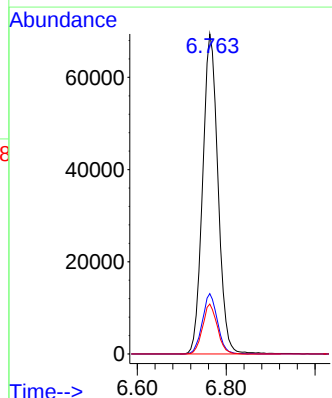
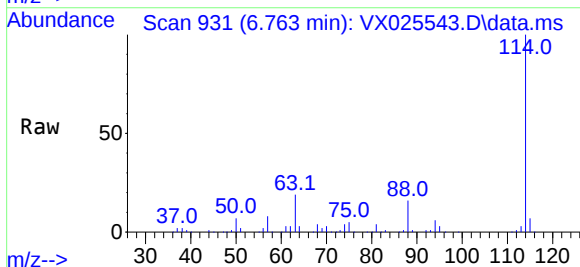
Tgt Ion: 114 Resp: 166898

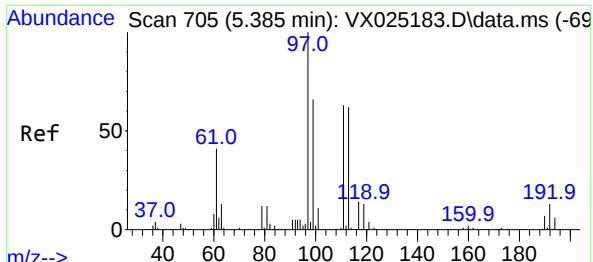
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.0

88 15.6 0.0 34.8

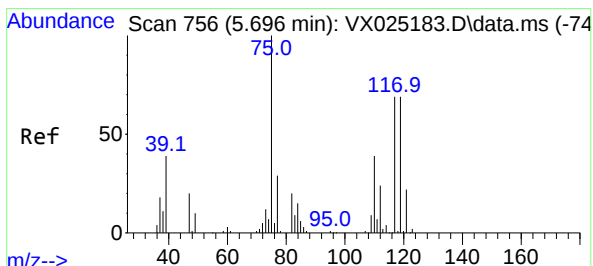
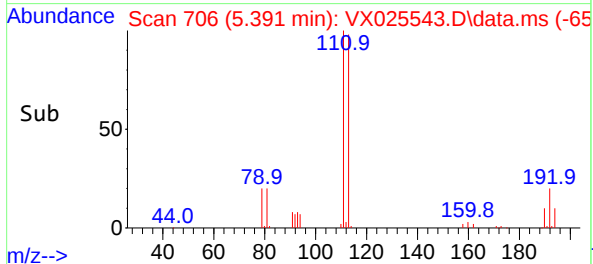
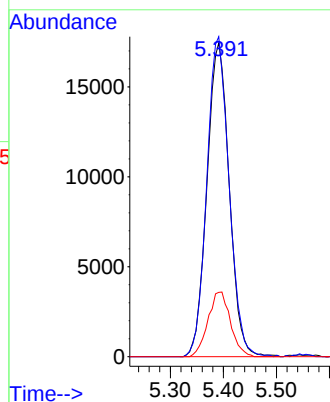
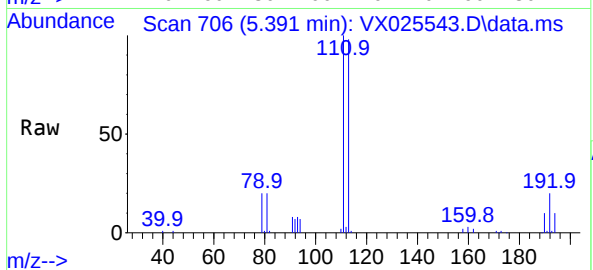




#35
Dibromofluoromethane
Concen: 49.755 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

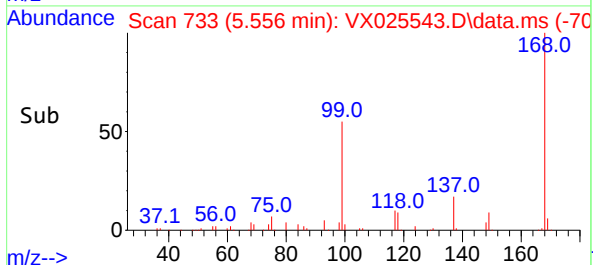
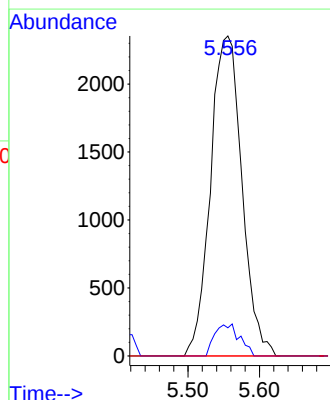
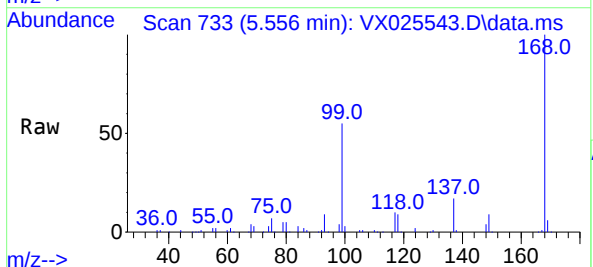
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

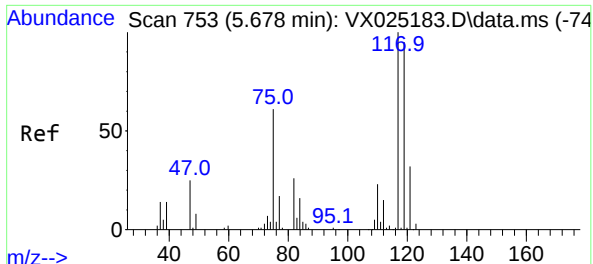
Tgt Ion:113 Resp: 50951
Ion Ratio Lower Upper
113 100
111 101.6 82.1 123.1
192 20.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 75 Resp: 7183
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.3#
77 0.0 24.4 36.6#

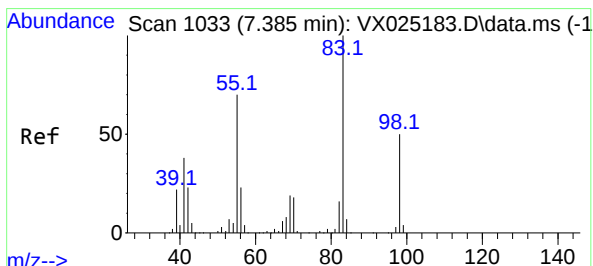
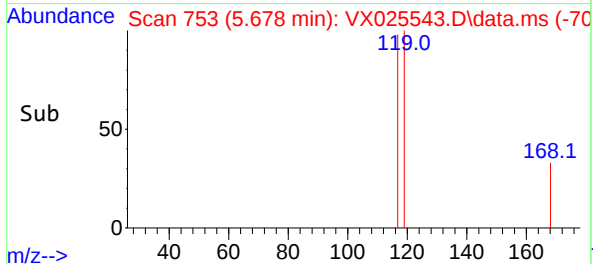
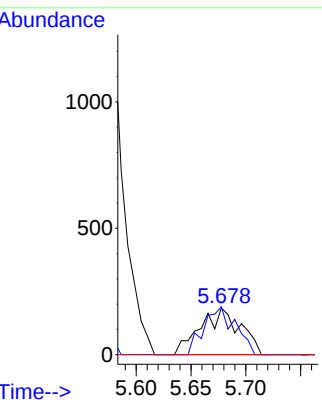
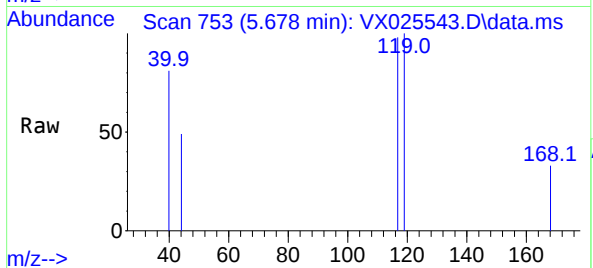




#38
Carbon Tetrachloride
Concen: 0.291 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

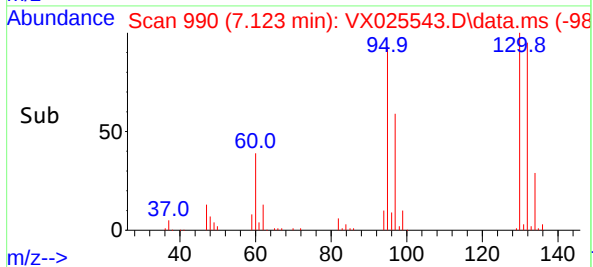
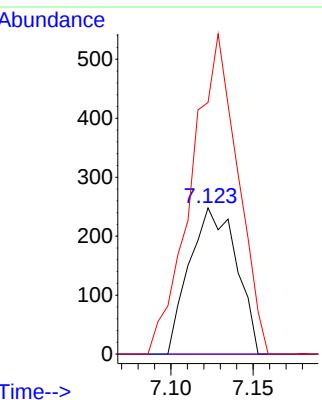
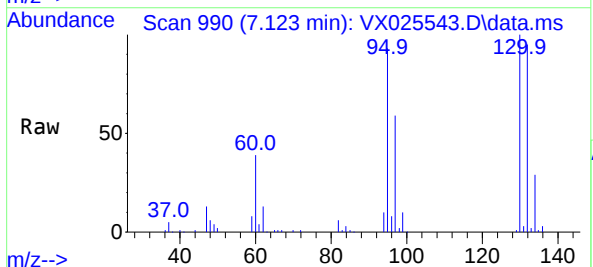
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

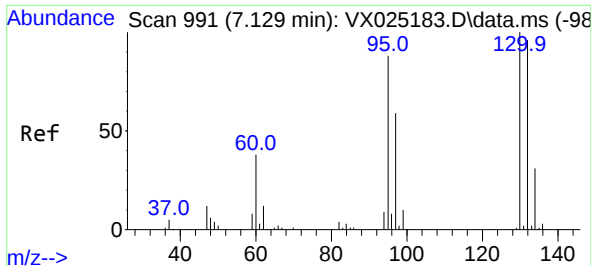
Tgt Ion:117 Resp: 467
Ion Ratio Lower Upper
117 100
119 102.2 75.6 113.4
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.264 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 83 Resp: 494
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 172.2 37.0 55.4#

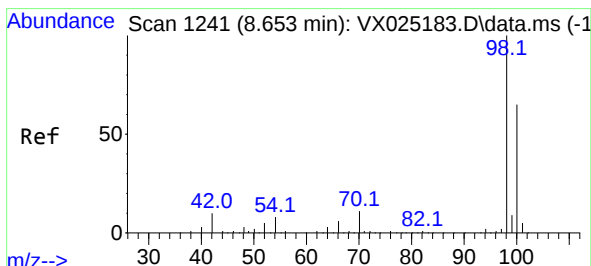
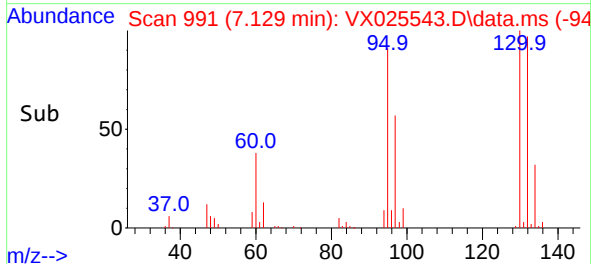
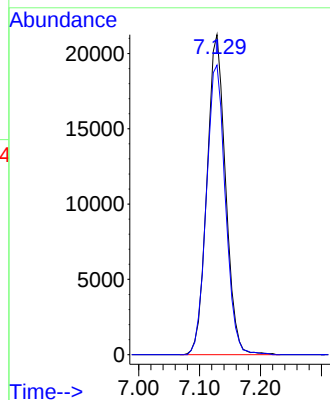
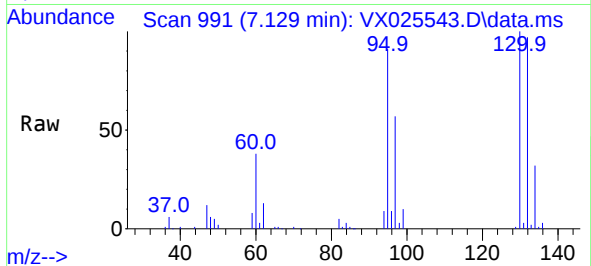




#44
Trichloroethene
Concen: 35.210 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

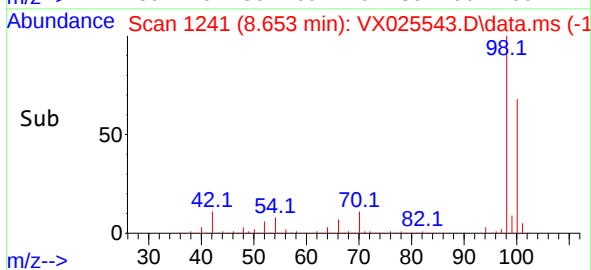
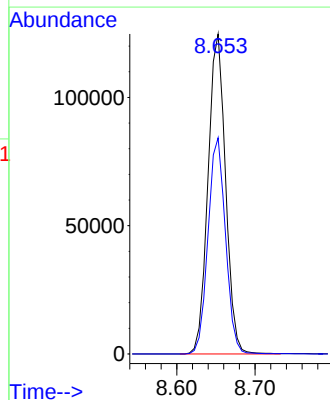
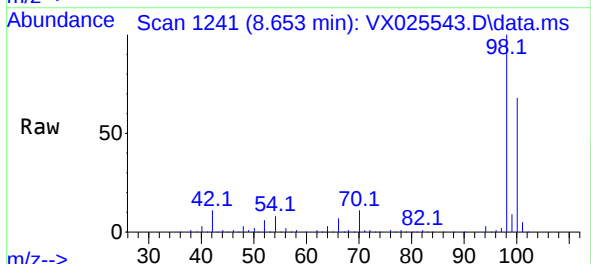
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

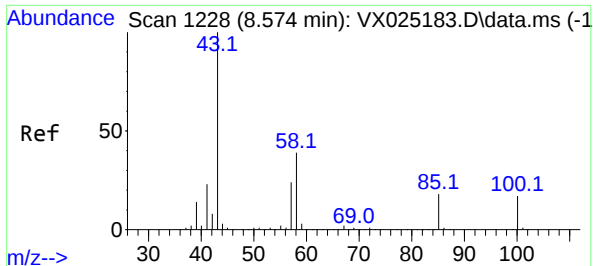
Tgt Ion:130 Resp: 45118
Ion Ratio Lower Upper
130 100
95 90.5 0.0 196.8



#50
Toluene-d8
Concen: 50.282 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion: 98 Resp: 193598
Ion Ratio Lower Upper
98 100
100 67.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

Instrument :

MSVOA_X

ClientSampleId :

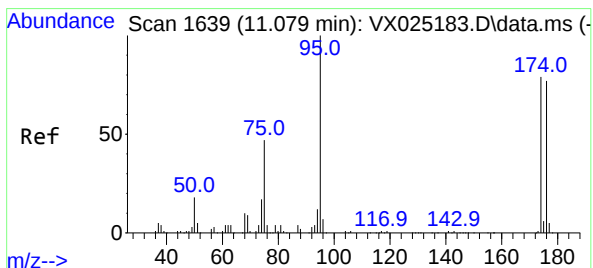
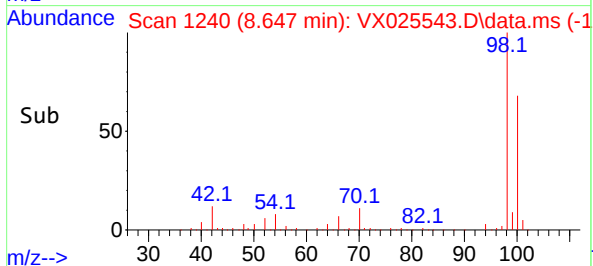
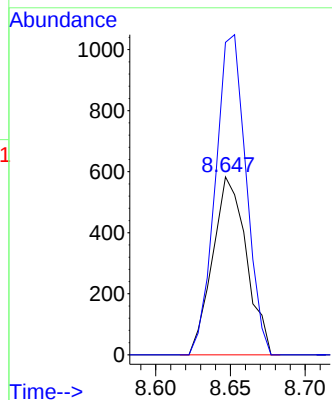
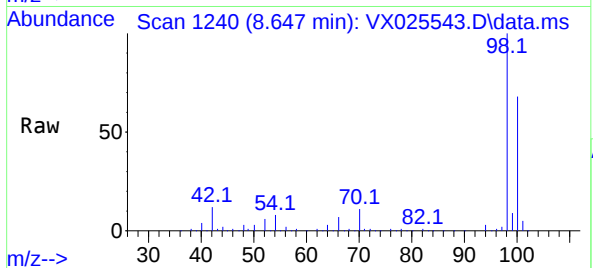
RE115D1-20211130DL

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 163.8 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 50.355 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025543.D

Acq: 06 Dec 2021 12:57

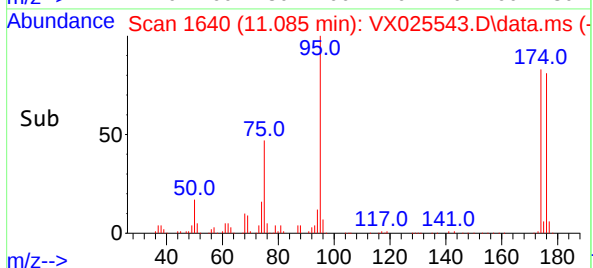
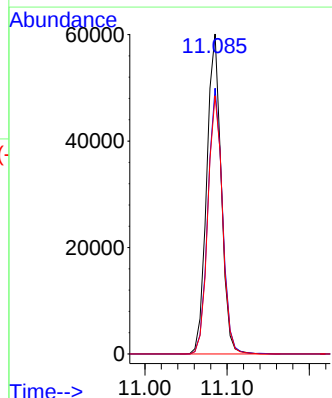
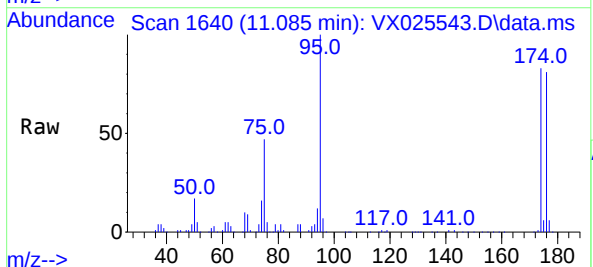
Tgt Ion: 95 Resp: 73346

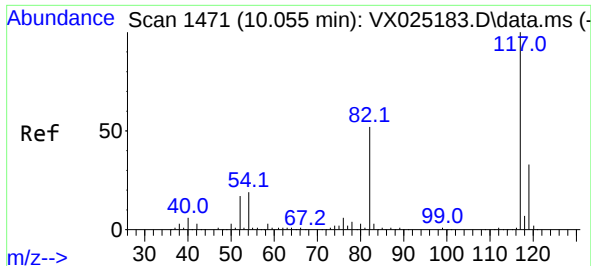
Ion Ratio Lower Upper

95 100

174 83.5 0.0 158.0

176 81.4 0.0 153.6

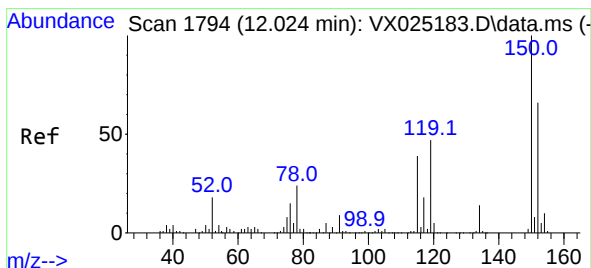
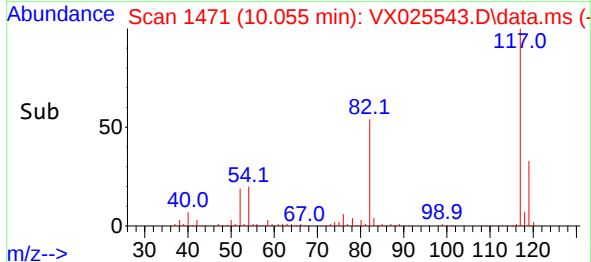
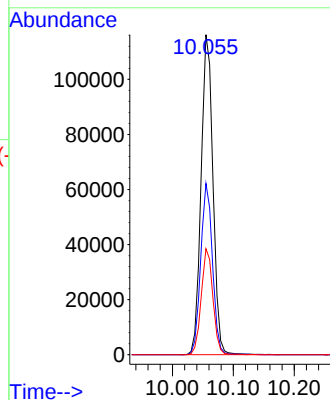
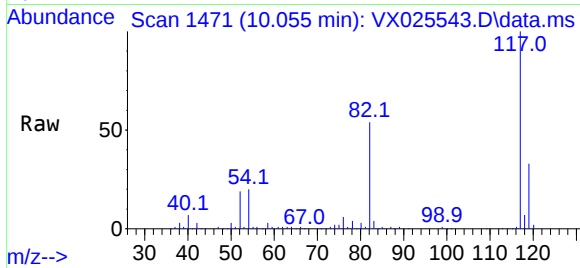




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

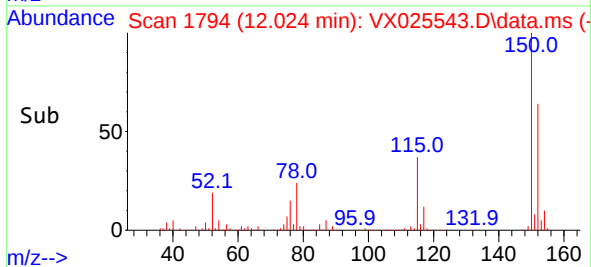
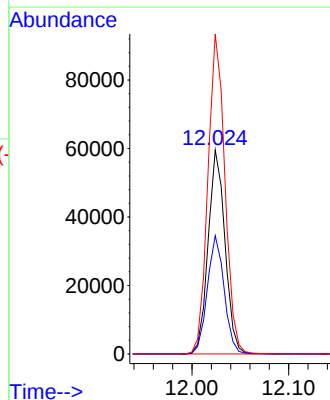
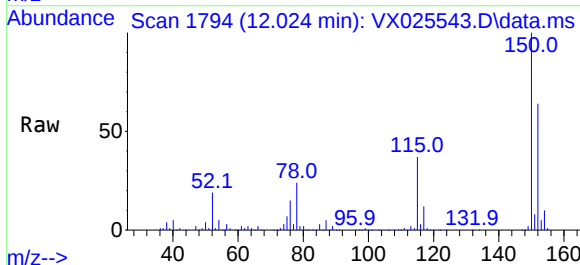
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

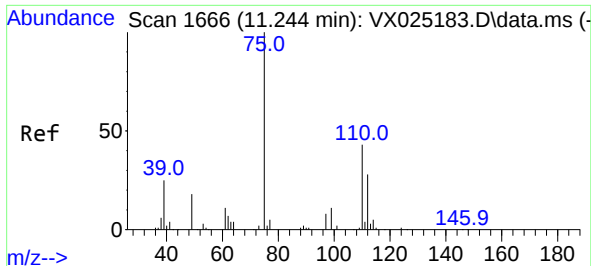
Tgt Ion:117 Resp: 157749
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 33.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Tgt Ion:152 Resp: 72431
Ion Ratio Lower Upper
152 100
115 57.9 43.3 129.8
150 158.1 0.0 351.2

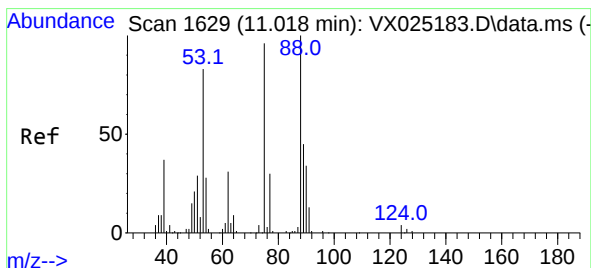
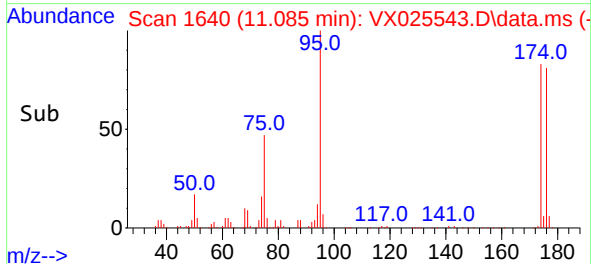
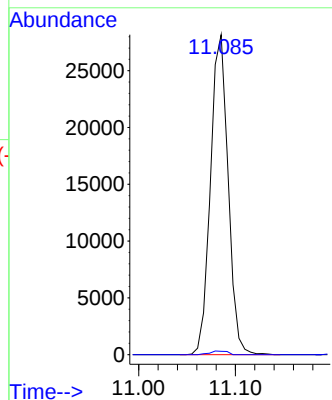
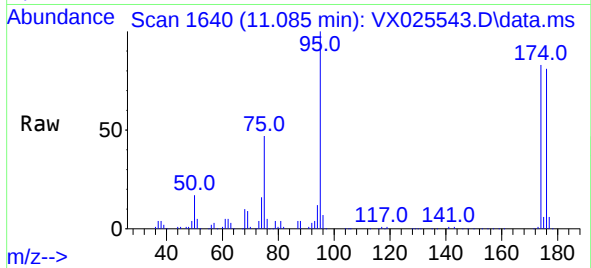




#76
1,2,3-Trichloropropane
Concen: 24.093 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

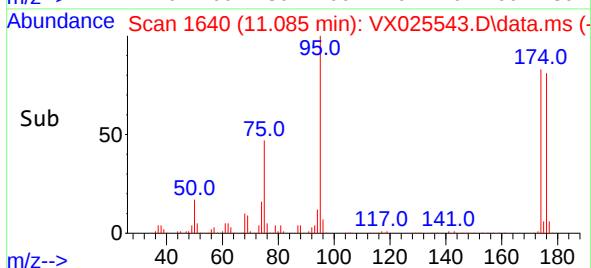
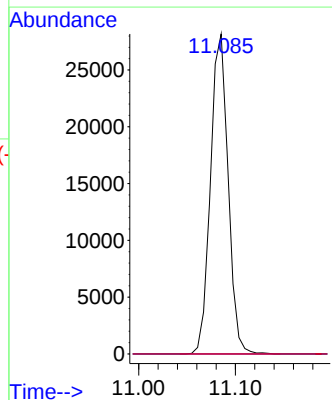
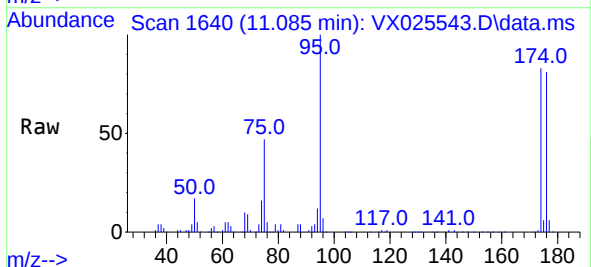
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL

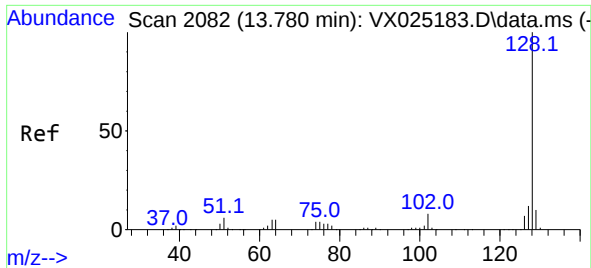
Tgt Ion: 75 Resp: 35735
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.693 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

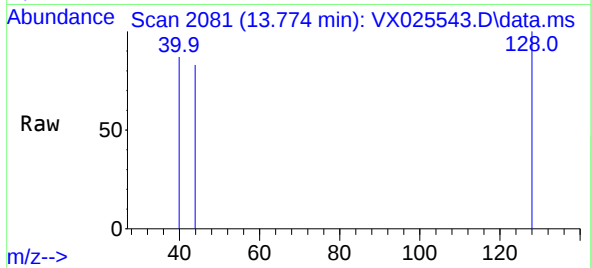
Tgt Ion: 75 Resp: 35735
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.774 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX025543.D
Acq: 06 Dec 2021 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20211130DL



Tgt Ion:128 Resp: 143
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

