

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025494.D
 Acq On : 03 Dec 2021 19:50
 Operator : JC/MD
 Sample : M4924-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20211202

Quant Time: Dec 04 06:54:01 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)

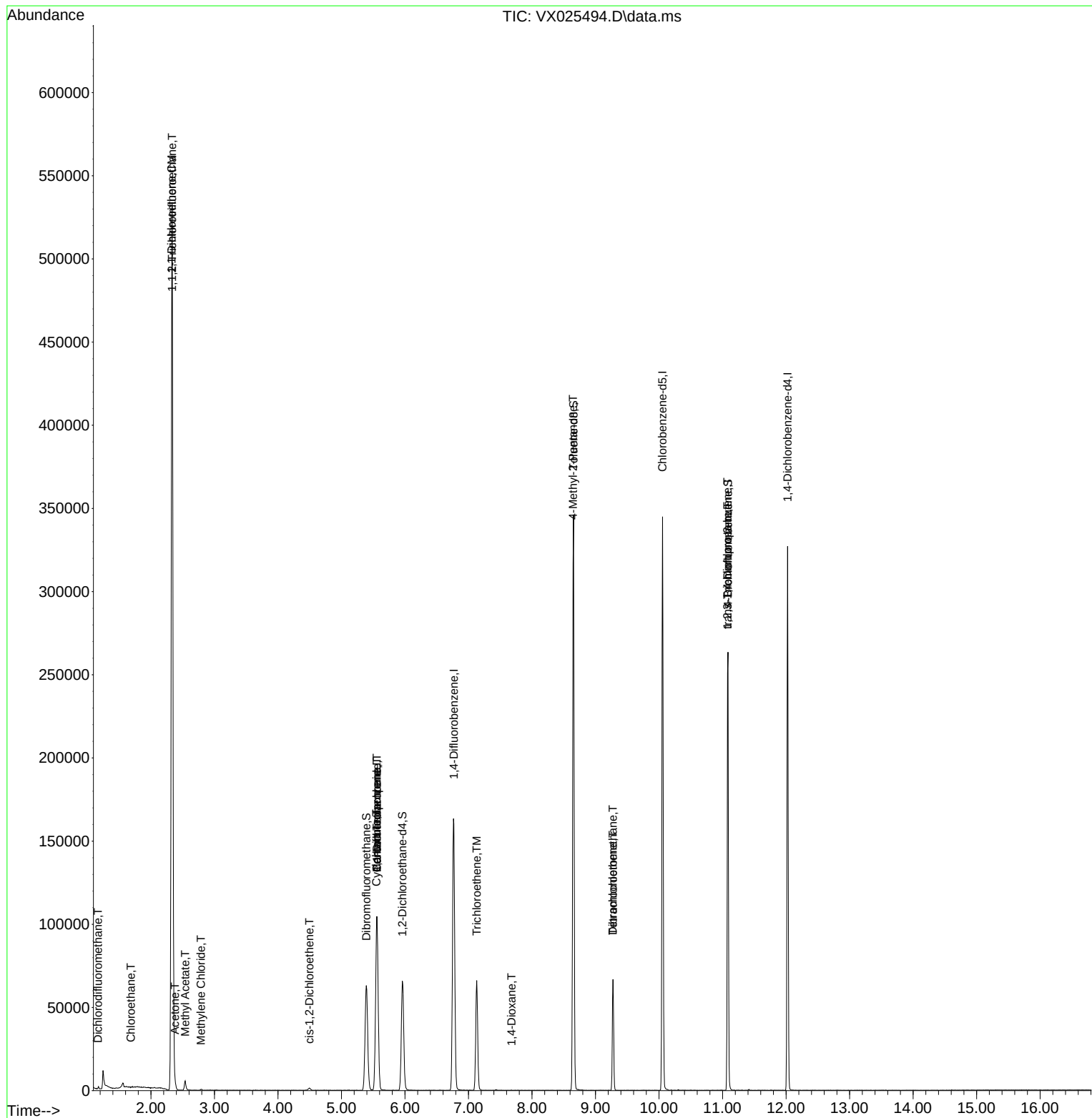
Internal Standards						
1) Pentafluorobenzene	5.556	168	103538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61497	56.349	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.700%			
35) Dibromofluoromethane	5.391	113	54600	49.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.653	98	204043	49.575	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.085	95	70483	45.267	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	207	0.231	ug/l #	43
6) Chloroethane	1.685	64	406	0.482	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	208924	216.827	ug/l	99
12) 1,1-Dichloroethene	2.325	96	1394	1.453	ug/l #	71
16) Acetone	2.380	43	2221	3.662	ug/l	96
18) Methyl Acetate	2.538	43	1599	0.825	ug/l #	52
20) Methylene Chloride	2.788	84	232	0.204	ug/l #	86
27) cis-1,2-Dichloroethene	4.495	96	928	0.756	ug/l	88
31) Cyclohexane	5.550	56	1958	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7091	4.555	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9996	5.830	ug/l #	17
44) Trichloroethene	7.129	130	26502	19.347	ug/l	95
49) 1,4-Dioxane	7.677	88	97	3.321	ug/l #	24
51) 4-Methyl-2-Pentanone	8.647	43	790	0.427	ug/l #	1
60) Dibromochloromethane	9.275	129	11662	8.281	ug/l #	11
64) Tetrachloroethene	9.275	164	12902	9.848	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	34253	24.648	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34253	62.093	ug/l #	9
95) Naphthalene	13.786	128	20	Below Cal	#	69

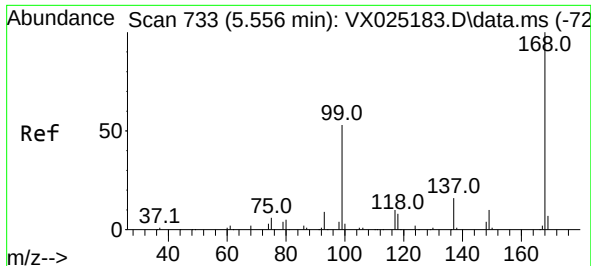
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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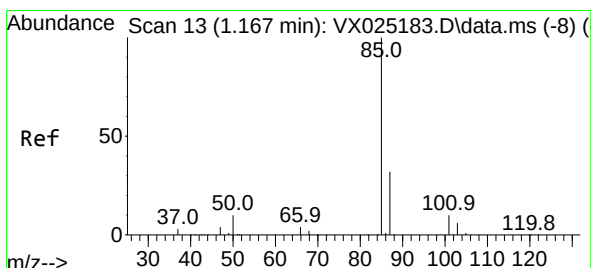
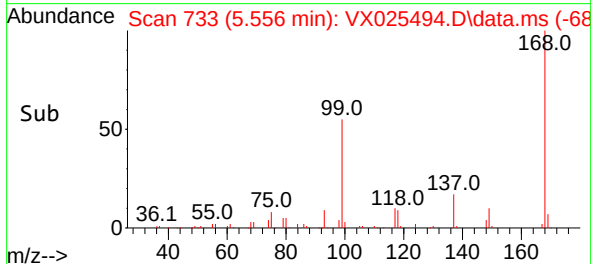
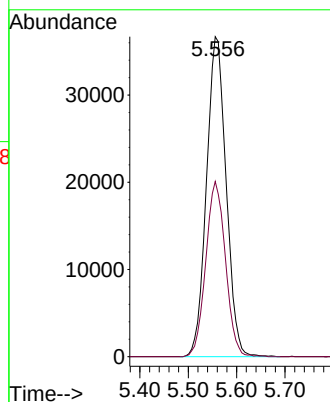
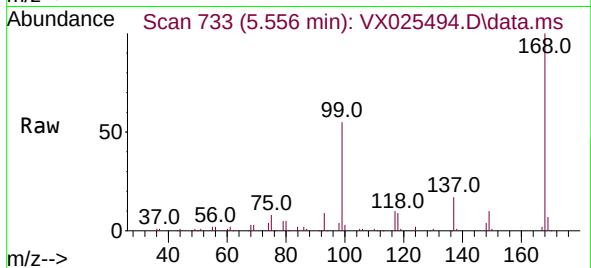




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

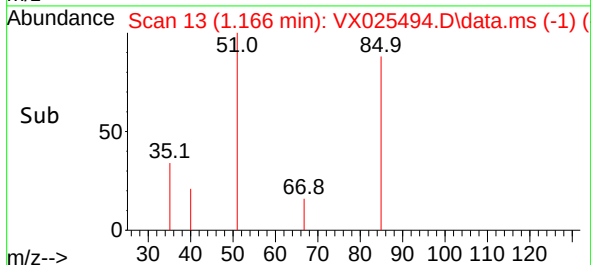
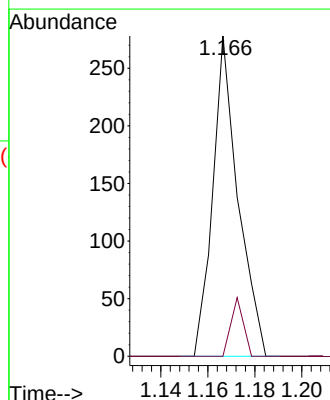
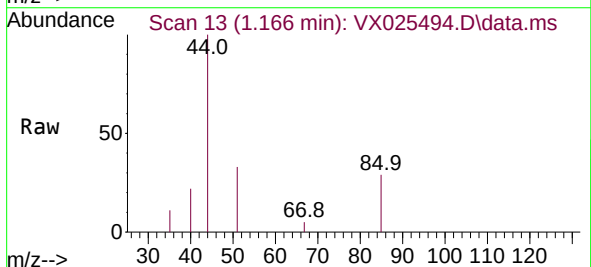
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

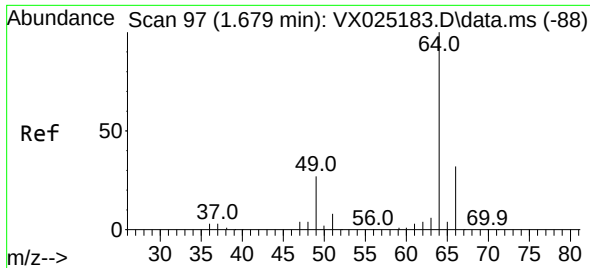
Tgt Ion:168 Resp: 103538
Ion Ratio Lower Upper
168 100
99 54.8 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 0.231 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 85 Resp: 207
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

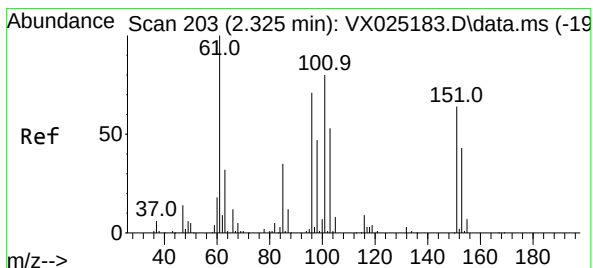
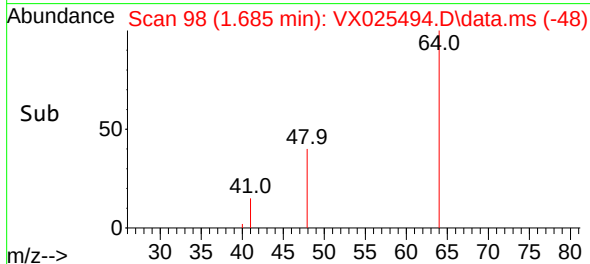
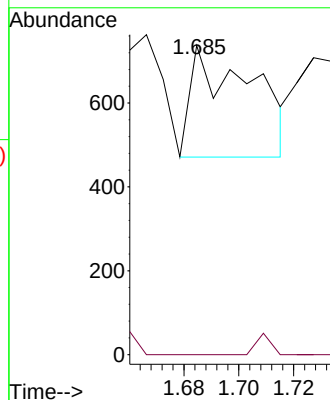
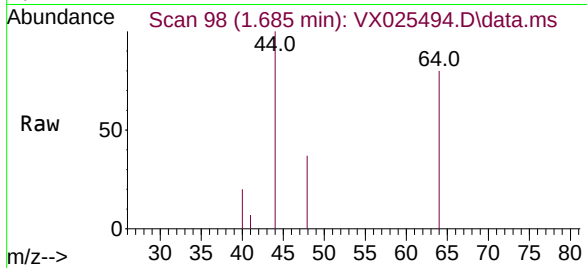




#6
Chloroethane
Concen: 0.482 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

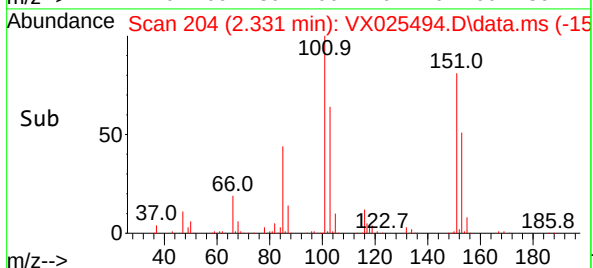
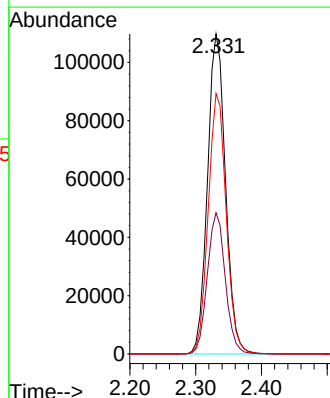
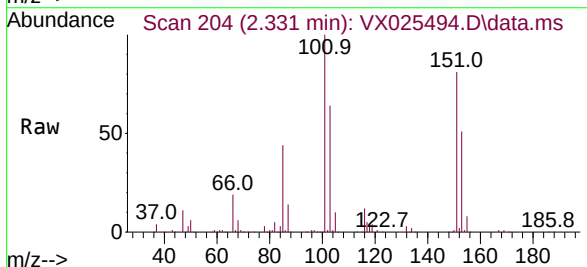
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

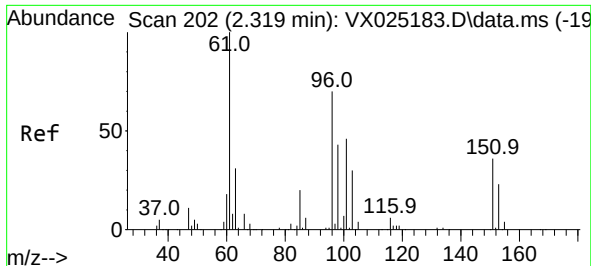
Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 216.827 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 101 Resp: 208924
Ion Ratio Lower Upper
101 100
85 44.0 35.9 53.9
151 81.5 64.4 96.6





#12

1,1-Dichloroethene

Concen: 1.453 ug/l

RT: 2.325 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202

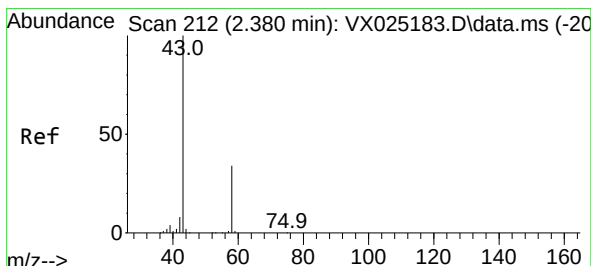
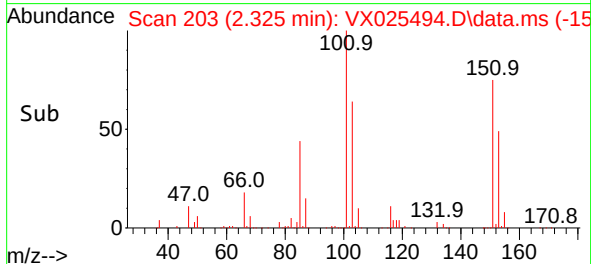
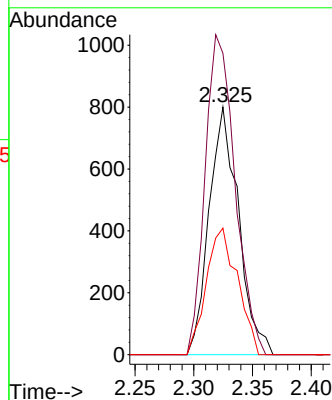
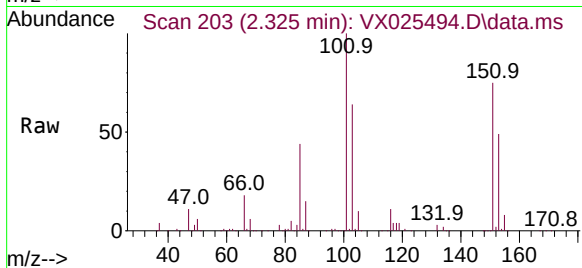
Tgt Ion: 96 Resp: 1394

Ion Ratio Lower Upper

96 100

61 121.8 134.1 201.1#

98 51.1 51.5 77.3#



#16

Acetone

Concen: 3.662 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025494.D

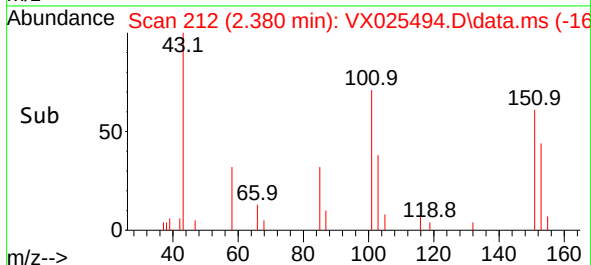
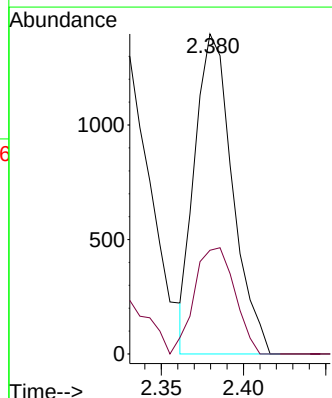
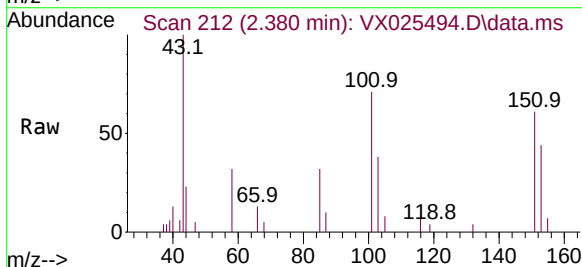
Acq: 03 Dec 2021 19:50

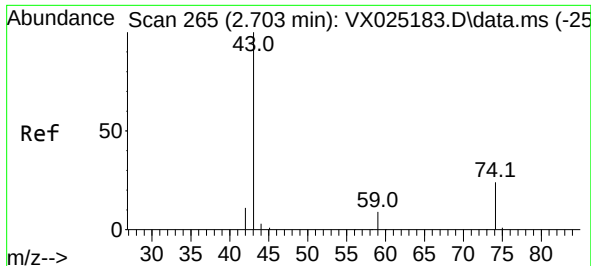
Tgt Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 32.4 24.0 36.0

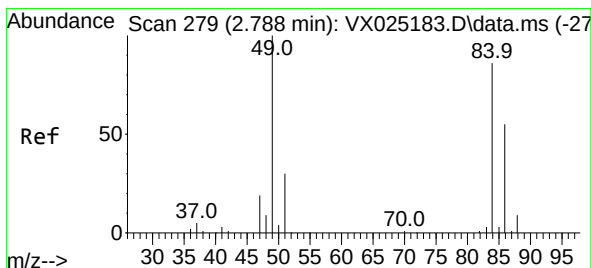
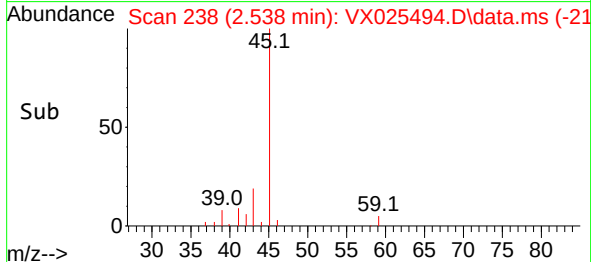
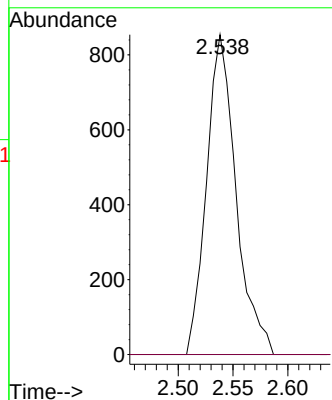
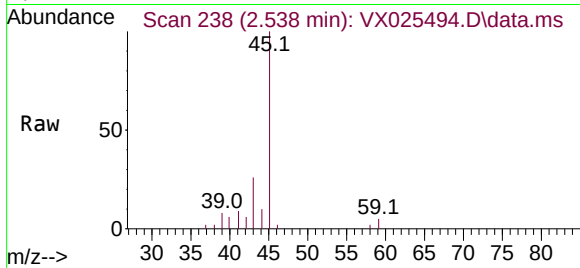




#18
Methyl Acetate
Concen: 0.825 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

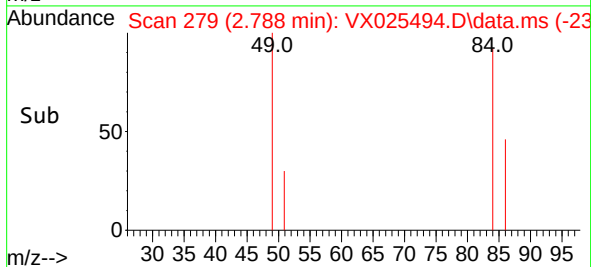
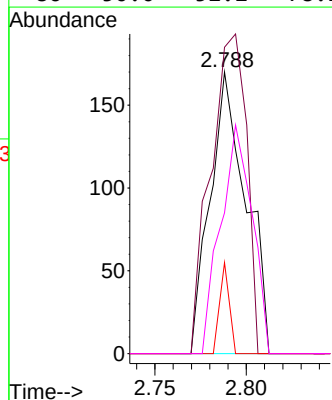
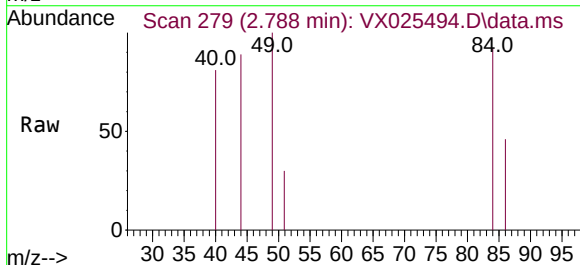
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

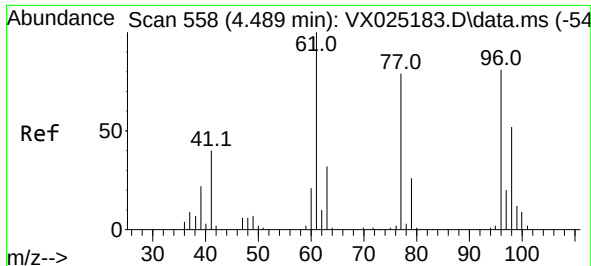
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 84 Resp: 232
Ion Ratio Lower Upper
84 100
49 108.8 98.2 147.2
51 32.4 30.2 45.4
86 50.0 52.2 78.2#





#27

cis-1,2-Dichloroethene

Concen: 0.756 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

Instrument :

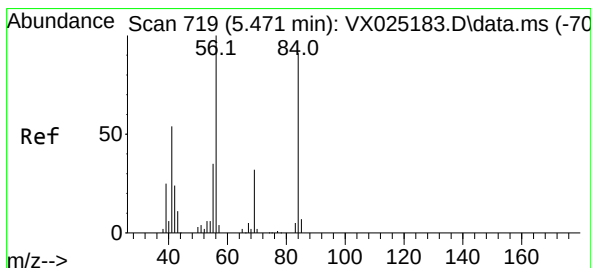
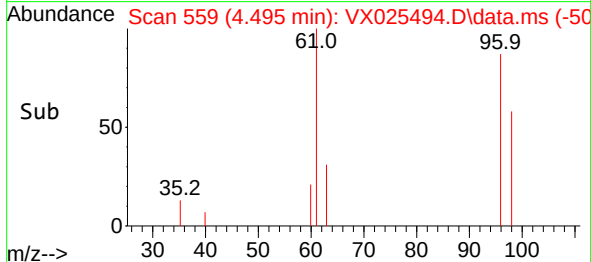
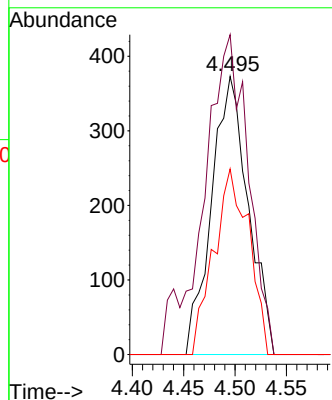
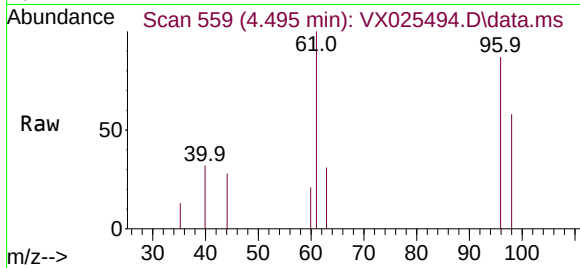
MSVOA_X

ClientSampleId :

RE134D4-20211202

Tgt Ion: 96 Resp: 928

Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	302.2
98	63.8	0.0	131.4



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.550 min Scan# 732

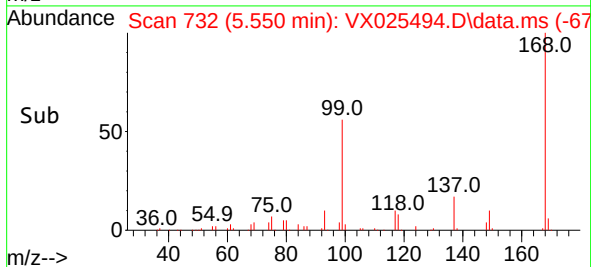
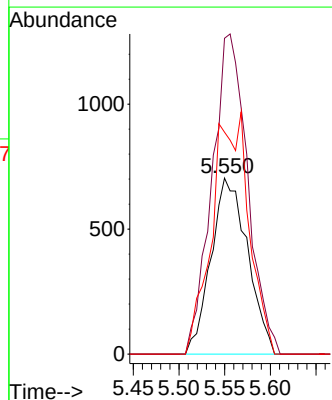
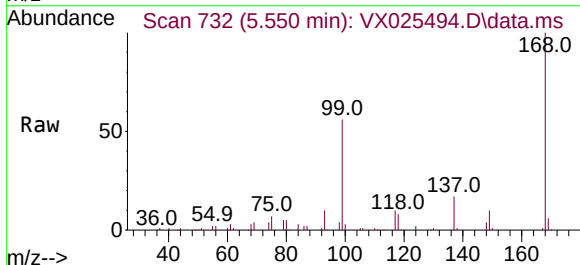
Delta R.T. 0.079 min

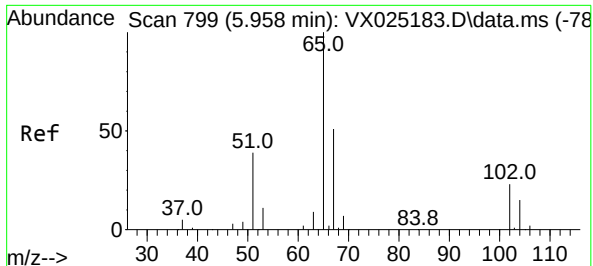
Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

Tgt Ion: 56 Resp: 1958

Ion	Ratio	Lower	Upper
56	100		
69	179.5	24.2	36.2#
84	126.1	71.5	107.3#





#33

1,2-Dichloroethane-d4

Concen: 56.349 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

Instrument :

MSVOA_X

ClientSampleId :

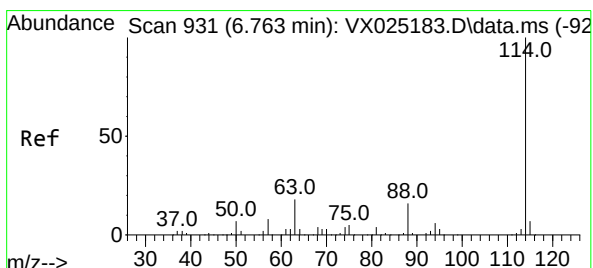
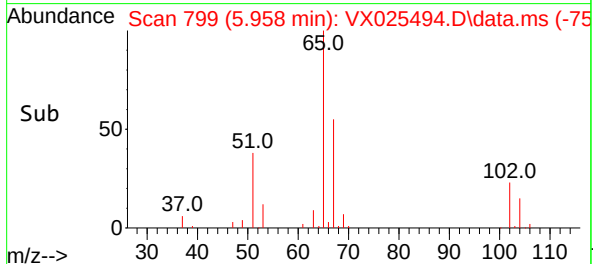
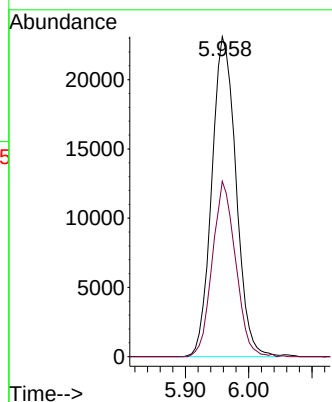
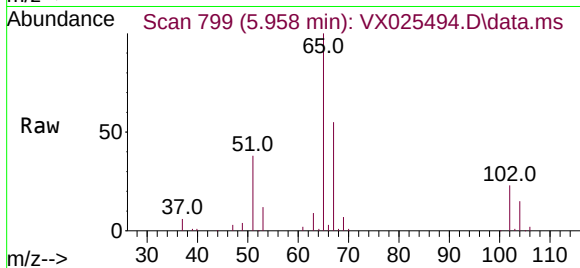
RE134D4-20211202

Tgt Ion: 65 Resp: 61497

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

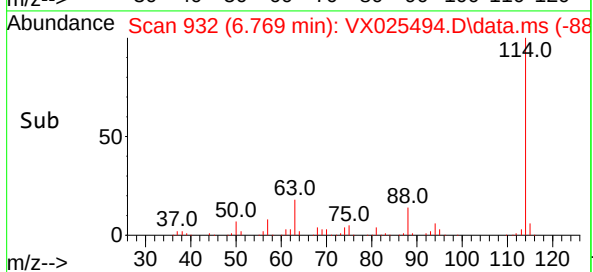
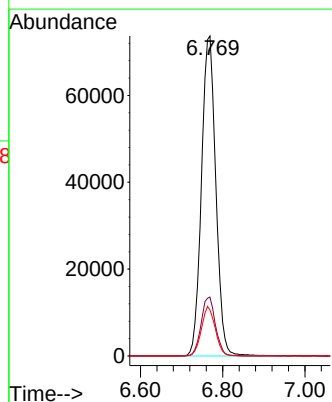
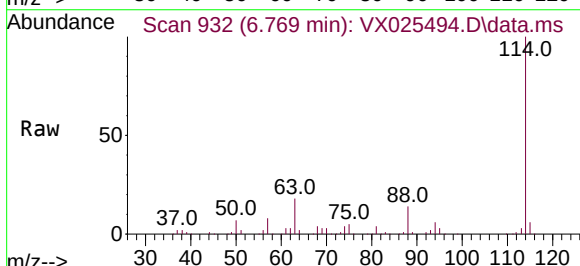
Tgt Ion: 114 Resp: 178412

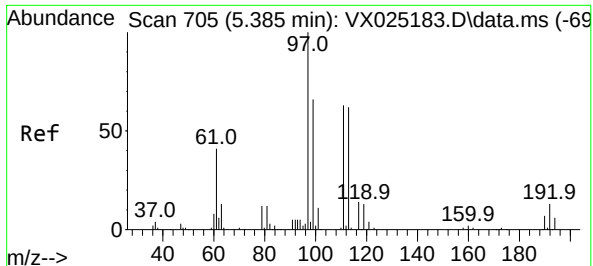
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.0

88 14.4 0.0 34.8

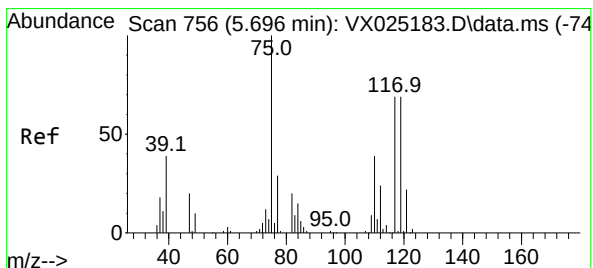
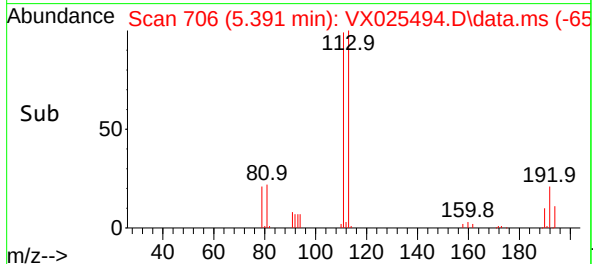
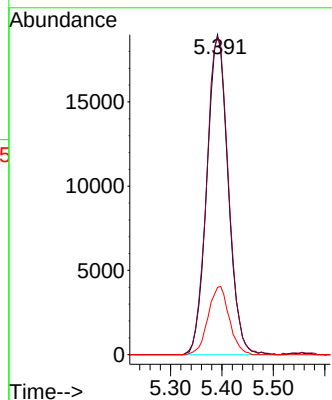
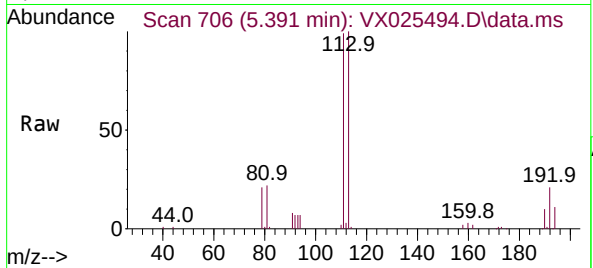




#35
Dibromofluoromethane
Concen: 49.878 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

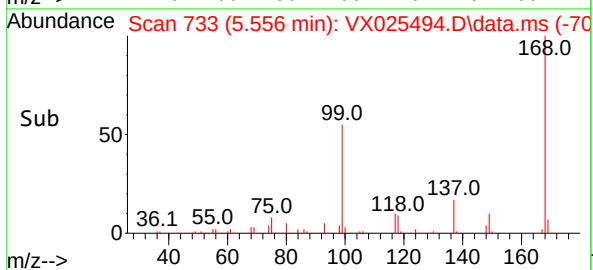
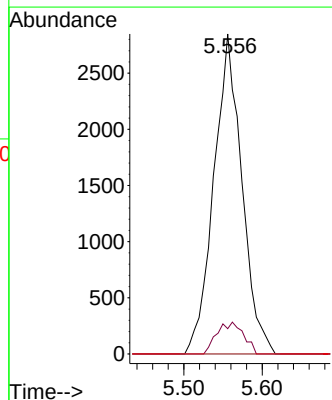
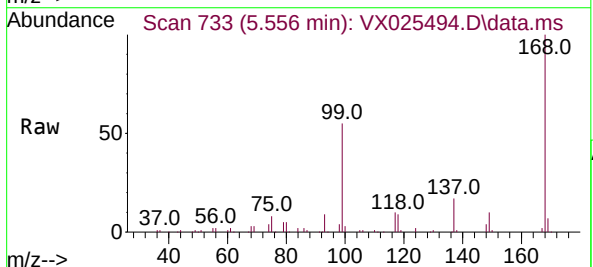
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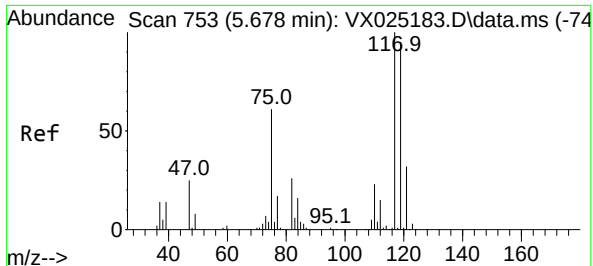
Tgt Ion:113 Resp: 54600
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

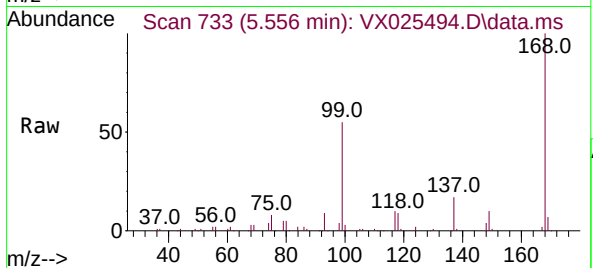
Tgt Ion: 75 Resp: 7091
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.3#
77 0.0 24.4 36.6#



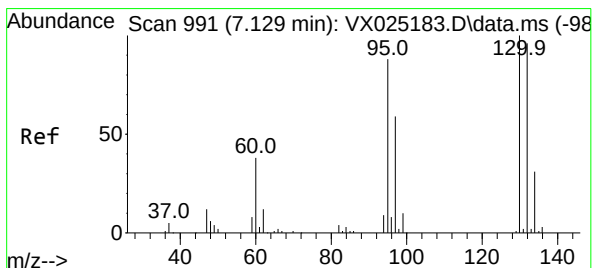
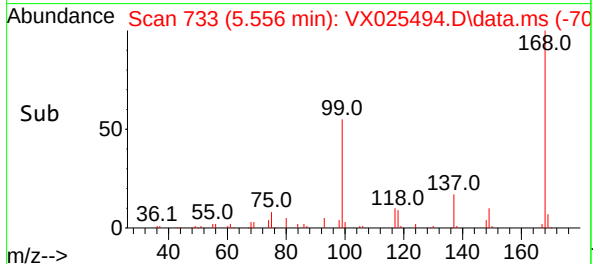
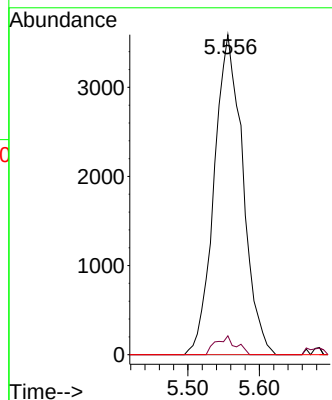


#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

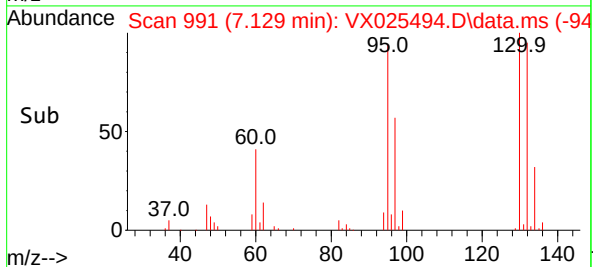
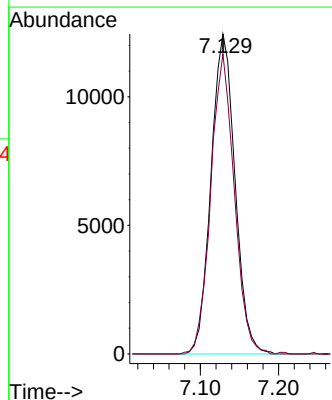
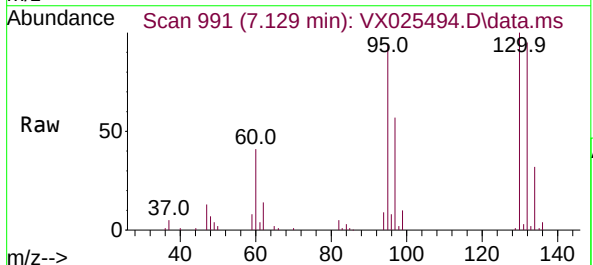


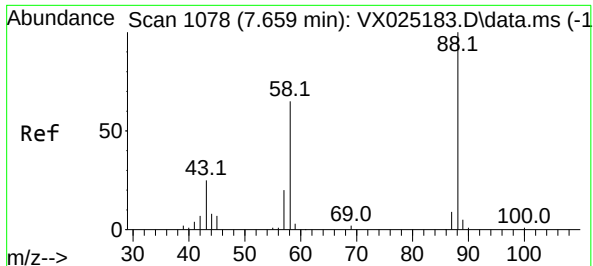
Tgt Ion:117 Resp: 9996
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 19.347 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion:130 Resp: 26502
Ion Ratio Lower Upper
130 100
95 93.8 0.0 196.8





#49

1,4-Dioxane

Concen: 3.321 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX025494.D

Acq: 03 Dec 2021 19:50

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202

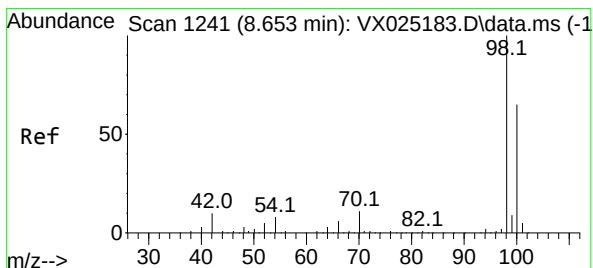
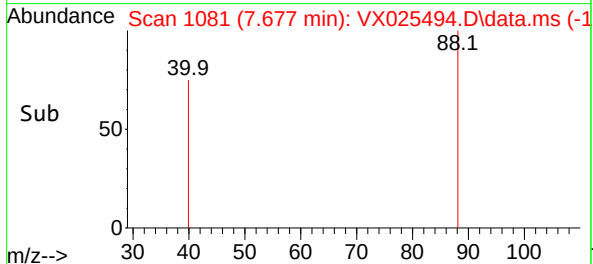
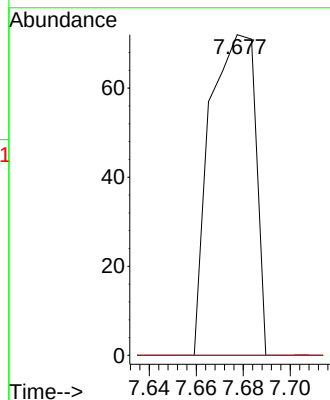
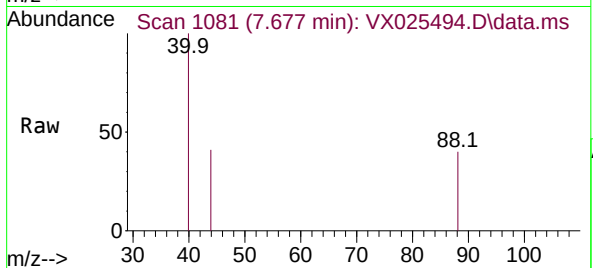
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.6#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 49.575 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025494.D

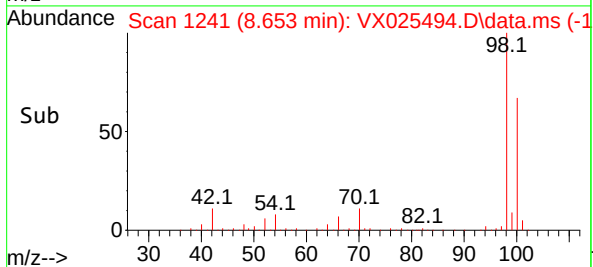
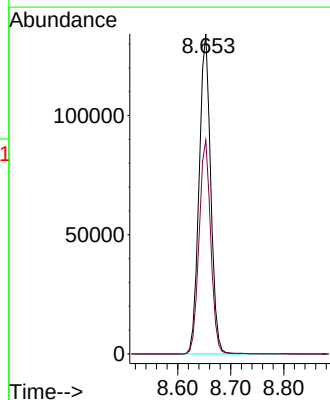
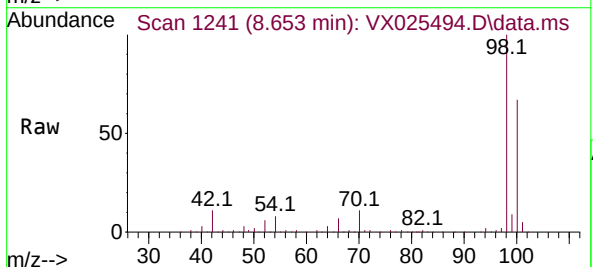
Acq: 03 Dec 2021 19:50

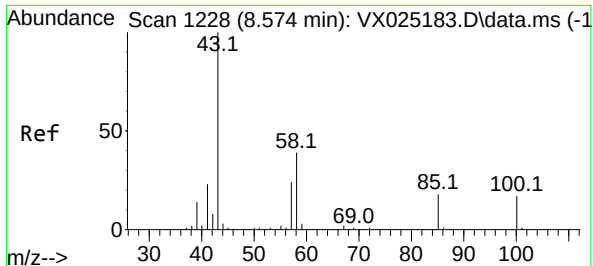
Tgt Ion: 98 Resp: 204043

Ion Ratio Lower Upper

98 100

100 66.9 51.4 77.0

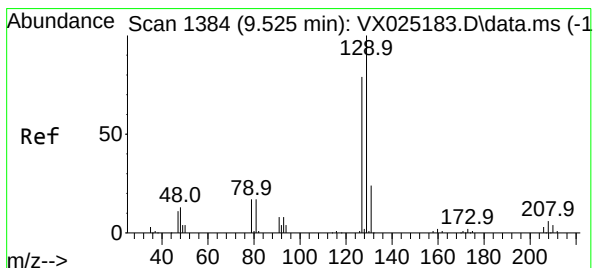
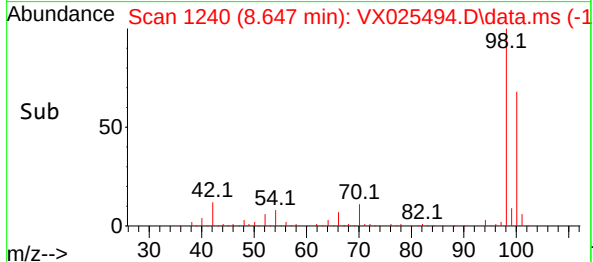
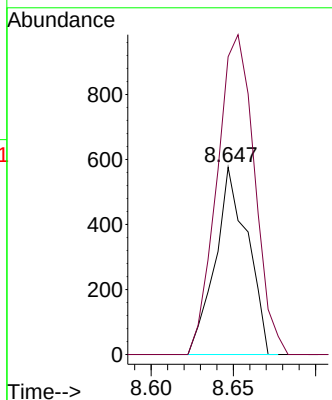
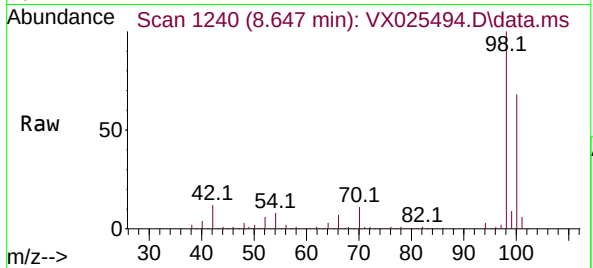




#51
4-Methyl-2-Pentanone
Concen: 0.427 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

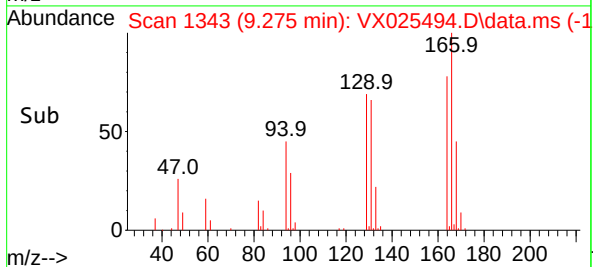
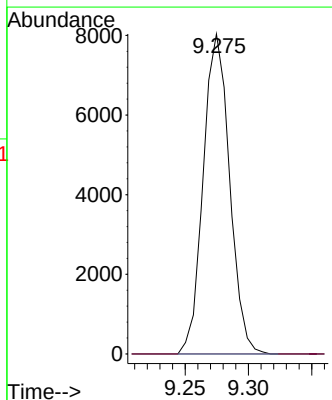
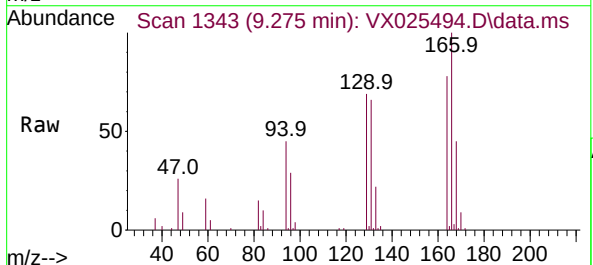
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

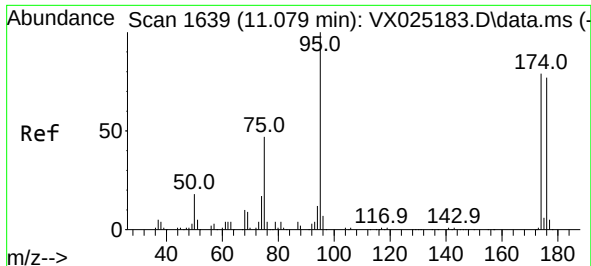
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 198.0 30.9 46.3#



#60
Dibromochloromethane
Concen: 8.281 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 129 Resp: 11662
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

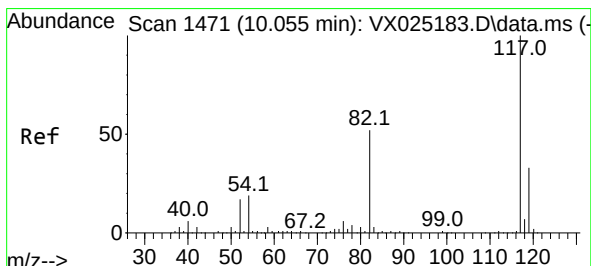
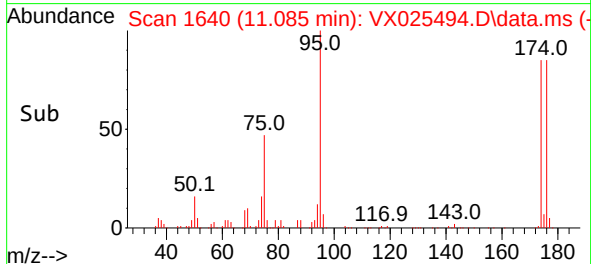
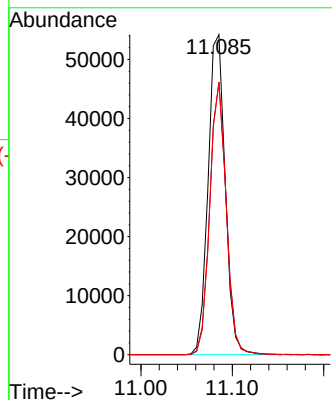
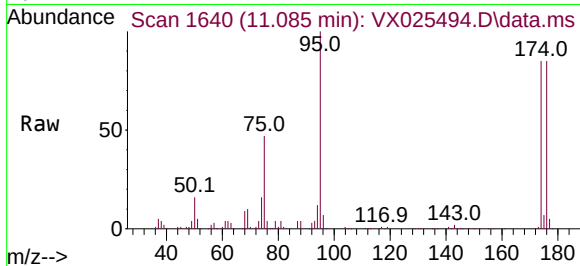




#62
4-Bromofluorobenzene
Concen: 45.267 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

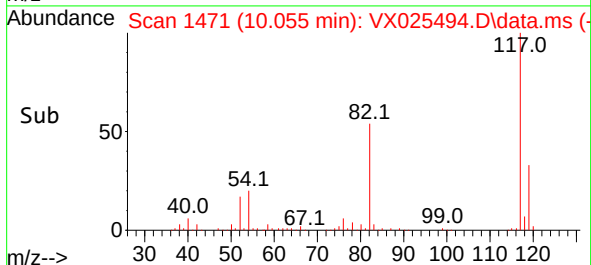
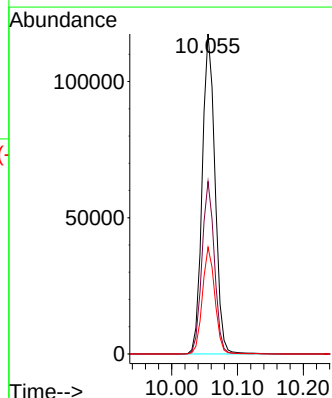
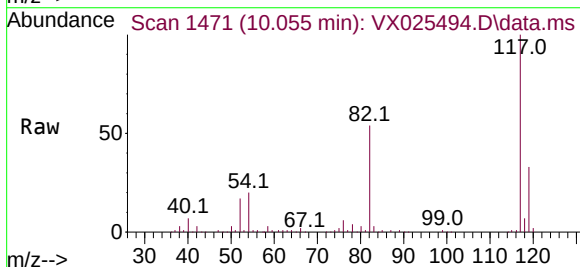
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

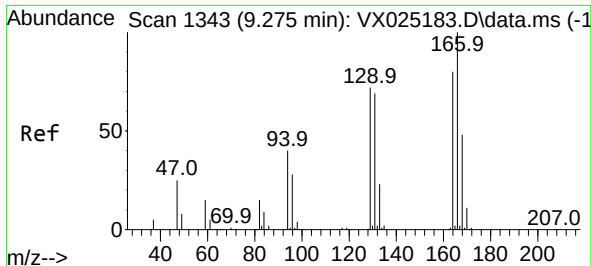
Tgt Ion: 95 Resp: 70483
Ion Ratio Lower Upper
95 100
174 82.0 0.0 158.0
176 81.1 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 117 Resp: 158874
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 33.4 24.8 37.2



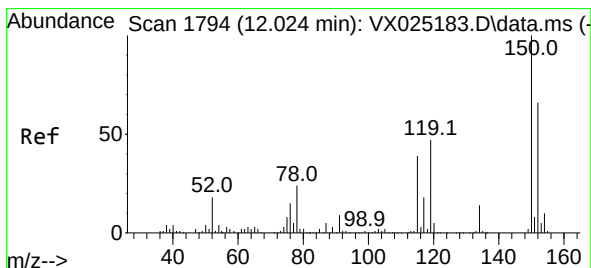
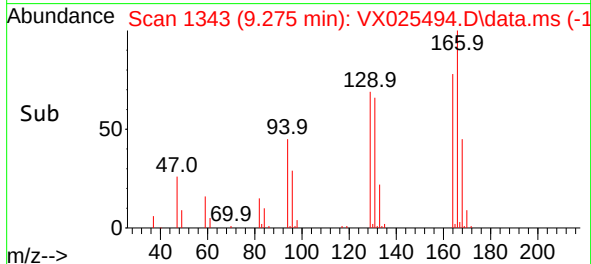
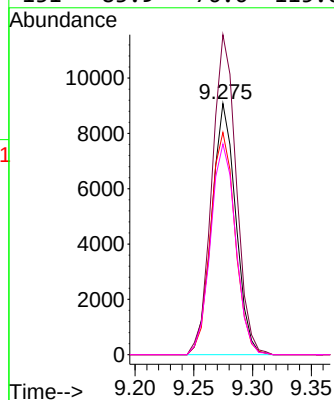
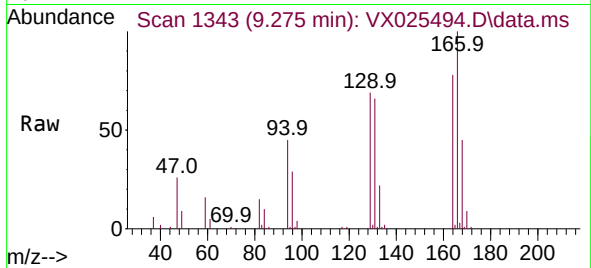


#64
Tetrachloroethene
Concen: 9.848 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

Tgt Ion:164 Resp: 12902

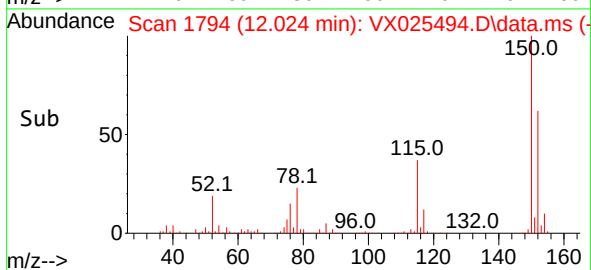
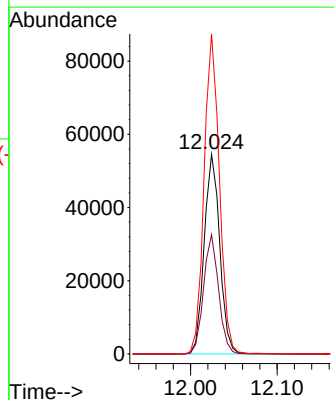
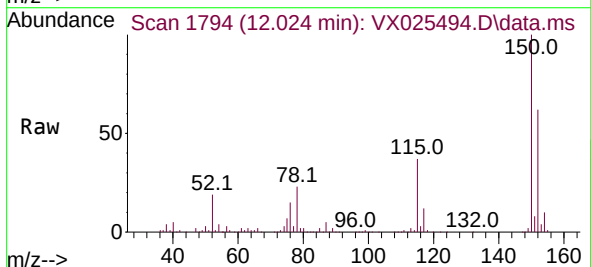
Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.2	154.8
129	88.5	81.0	121.4
131	83.9	76.6	115.0

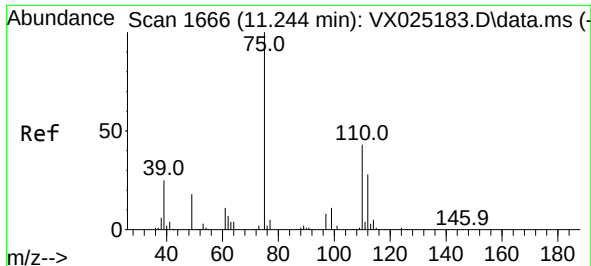


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion:152 Resp: 67862

Ion	Ratio	Lower	Upper
152	100		
115	57.8	43.3	129.8
150	158.2	0.0	351.2

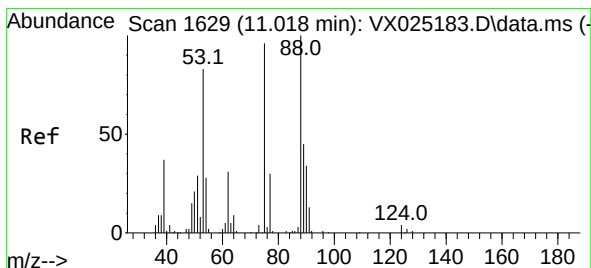
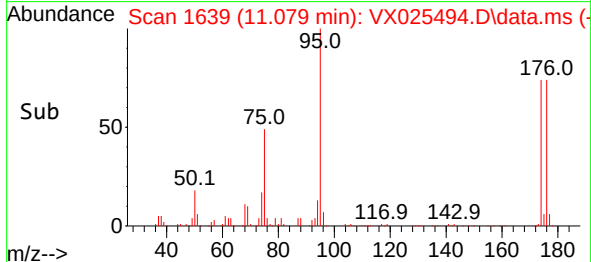
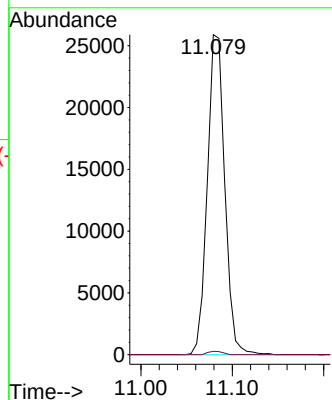
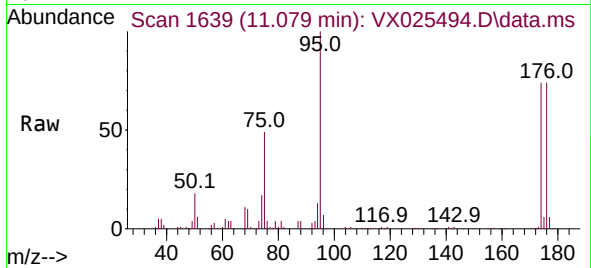




#76
1,2,3-Trichloropropane
Concen: 24.648 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

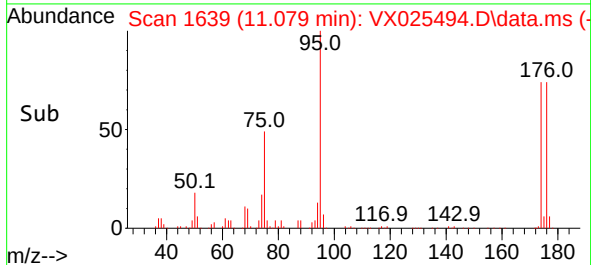
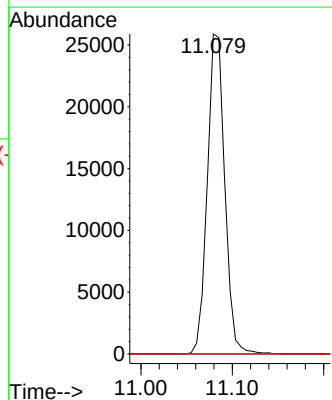
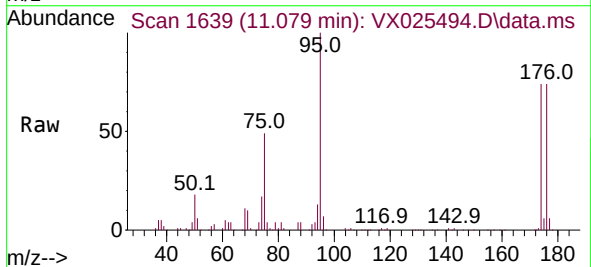
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20211202

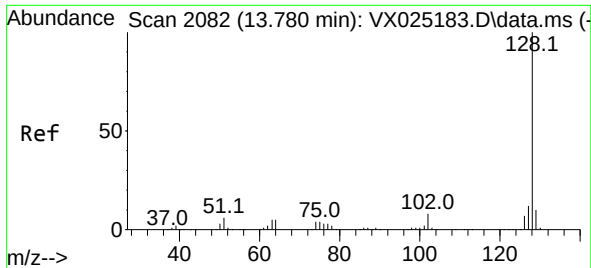
Tgt Ion: 75 Resp: 34253
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025494.D
Acq: 03 Dec 2021 19:50

Tgt Ion: 75 Resp: 34253
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: 13.786 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX025494.D

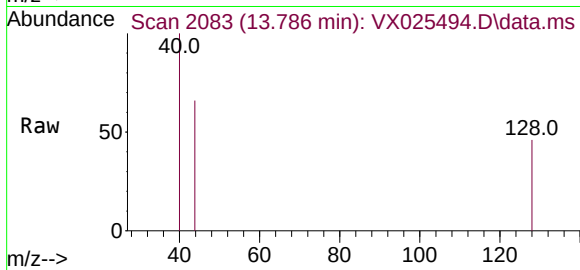
Acq: 03 Dec 2021 19:50

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202



Tgt Ion:	128	Resp:	20
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

