

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070024.D
 Acq On : 11 Aug 2021 15:35
 Operator : VA/SY
 Sample : M3333-05RE
 Misc : 3.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124019RE

Quant Time: Aug 12 05:29:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

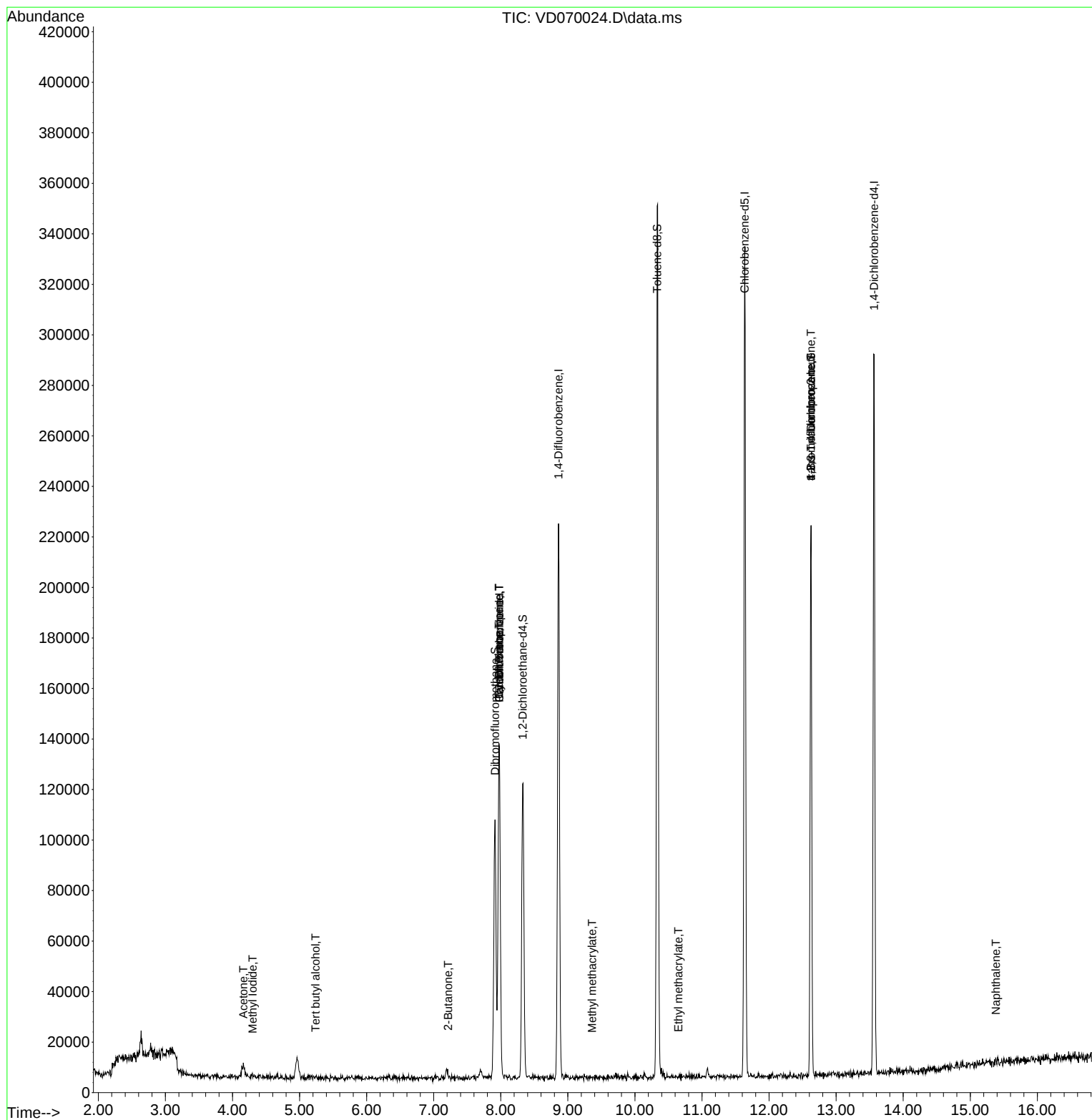
Internal Standards						
1) Pentafluorobenzene	7.979	168	96645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	189927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	196680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	79406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	93906	84.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 168.980%#	
35) Dibromofluoromethane	7.914	113	76038	63.508	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.020%	
50) Toluene-d8	10.332	98	240568	52.108	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	12.626	95	75191	48.733	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1100	4.315	ug/l #	52
11) Tert butyl alcohol	5.238	59	66	1.148	ug/l #	73
16) Acetone	4.162	43	9943	49.520	ug/l	98
20) Methylene Chloride	4.962	84	6257	Below Cal		95
25) 2-Butanone	7.214	43	354	1.300	ug/l #	46
31) Cyclohexane	7.973	56	2586	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	8413	4.105	ug/l #	50
38) Carbon Tetrachloride	7.979	117	10113	5.402	ug/l #	12
48) Methyl methacrylate	9.361	41	78	2.850	ug/l #	13
56) Ethyl methacrylate	10.649	69	242	4.063	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	38557	45.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	38557	138.588	ug/l #	16
95) Naphthalene	15.385	128	288	5.098	ug/l #	69

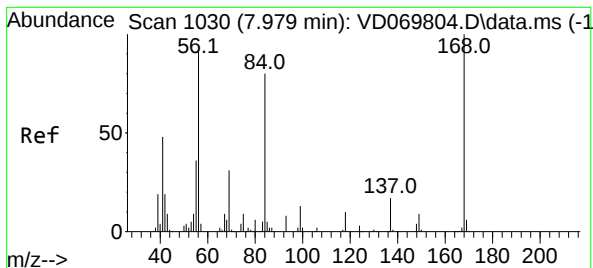
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070024.D

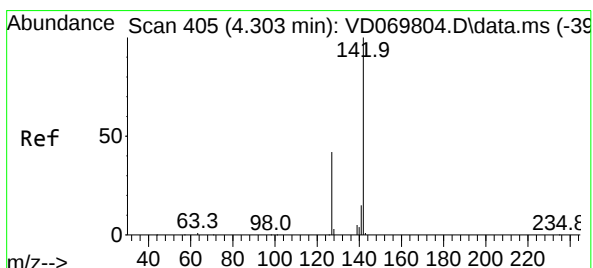
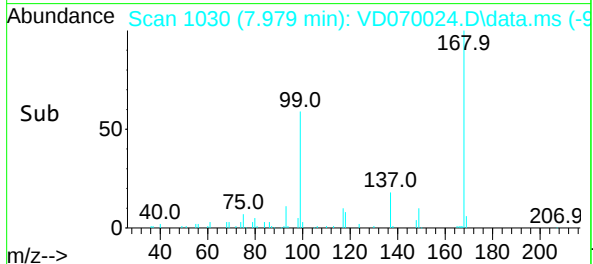
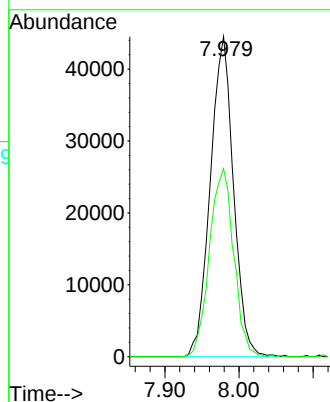
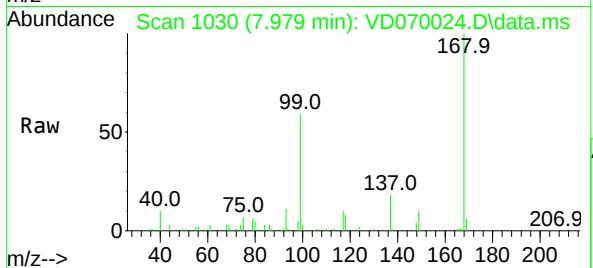
Acq: 11 Aug 2021 15:35

Tgt Ion:168 Resp: 96645

Ion Ratio Lower Upper

168 100

99 58.8 51.1 76.7



#10

Methyl Iodide

Concen: 4.315 ug/l

RT: 4.303 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD070024.D

Acq: 11 Aug 2021 15:35

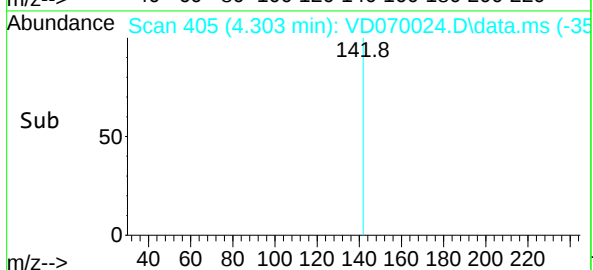
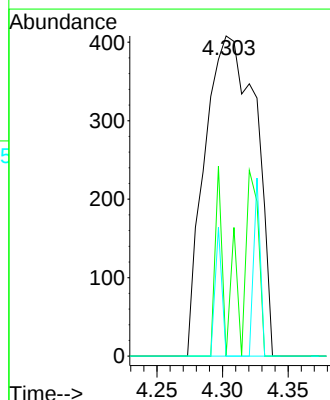
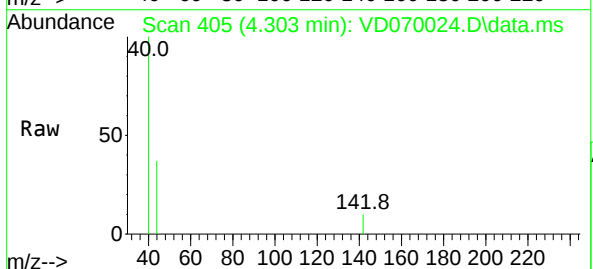
Tgt Ion:142 Resp: 1100

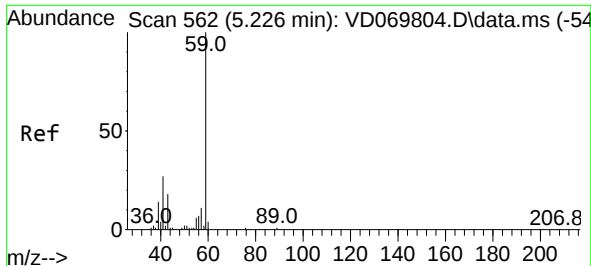
Ion Ratio Lower Upper

142 100

127 7.7 35.7 53.5#

141 5.3 12.0 18.0#



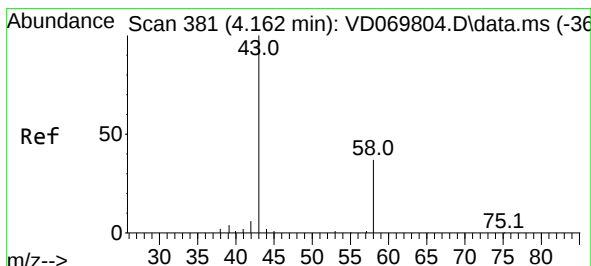
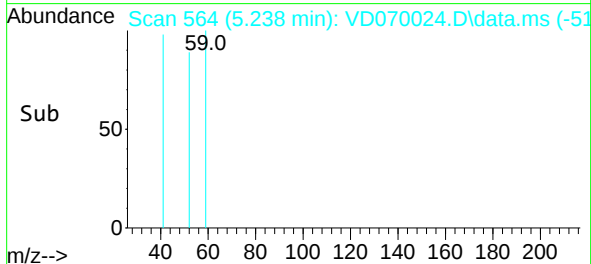
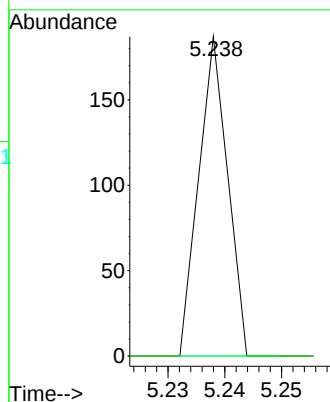
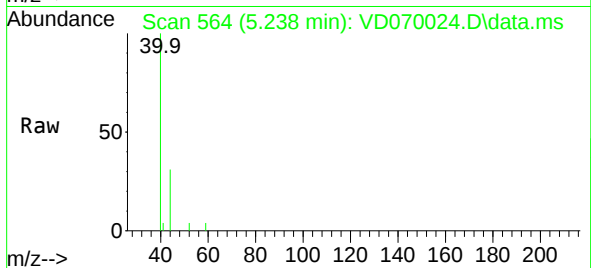


#11

Tert butyl alcohol
Concen: 1.148 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Instrument :
MSVOA_D
ClientSampleId :
124019RE

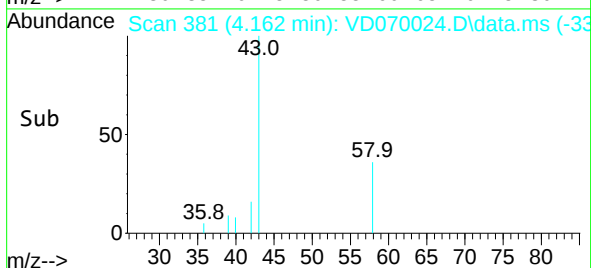
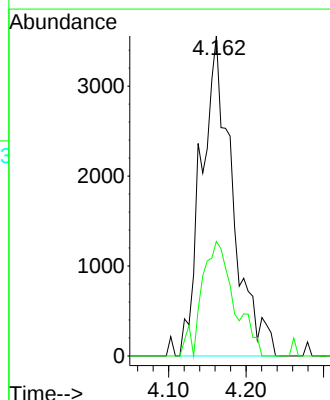
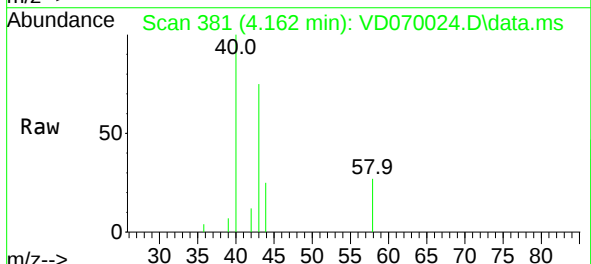
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

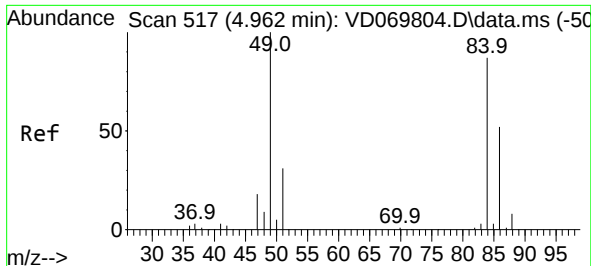


#16

Acetone
Concen: 49.520 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion: 43 Resp: 9943
Ion Ratio Lower Upper
43 100
58 35.8 29.4 44.0

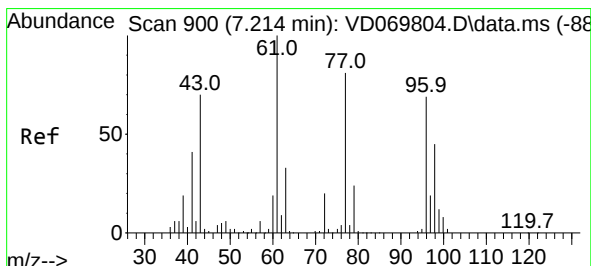
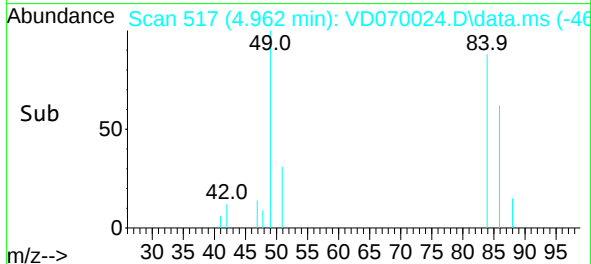
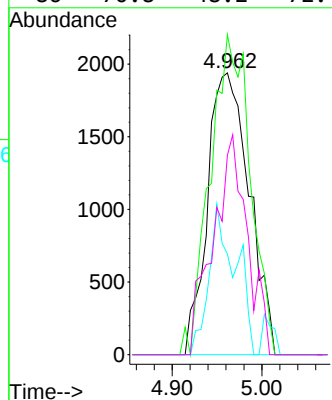
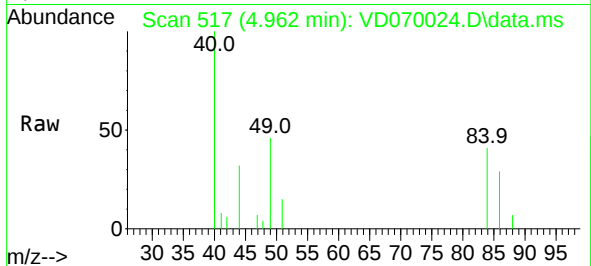




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

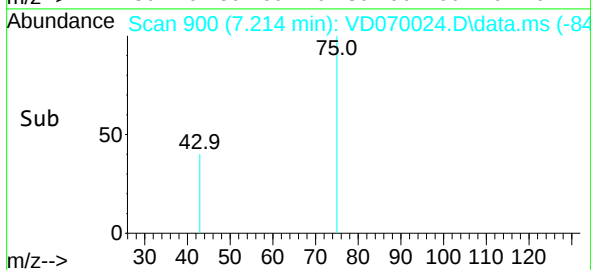
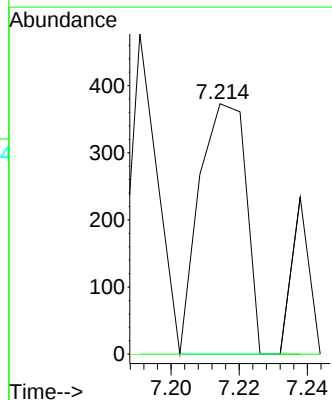
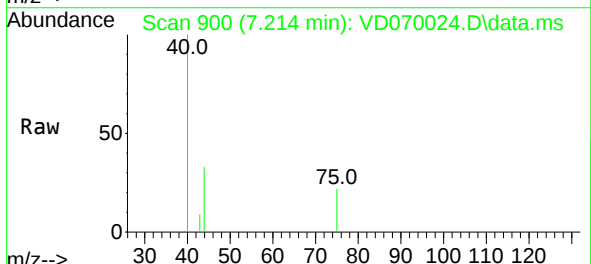
Instrument :
MSVOA_D
ClientSampleId :
124019RE

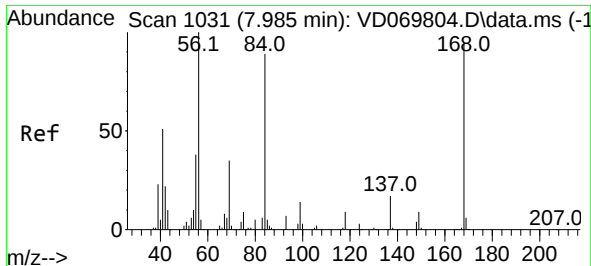
Tgt Ion:	84	Resp:	6257
Ion	Ratio	Lower	Upper
84	100		
49	113.6	92.4	138.6
51	35.7	28.5	42.7
86	70.8	48.2	72.4



#25
2-Butanone
Concen: 1.300 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion:	43	Resp:	354
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

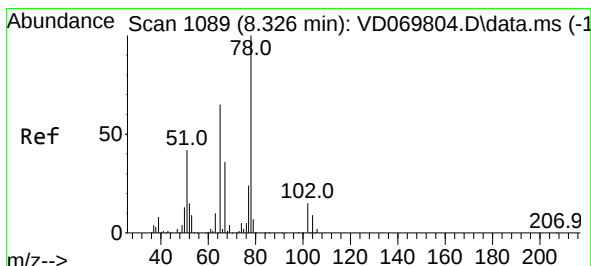
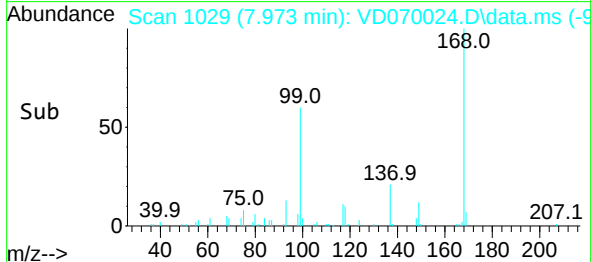
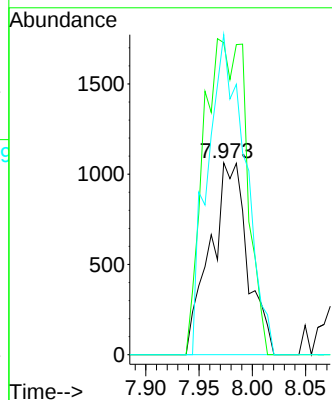
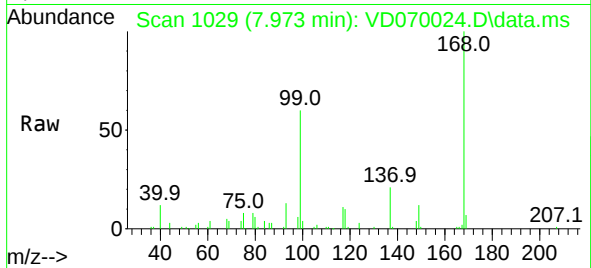




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

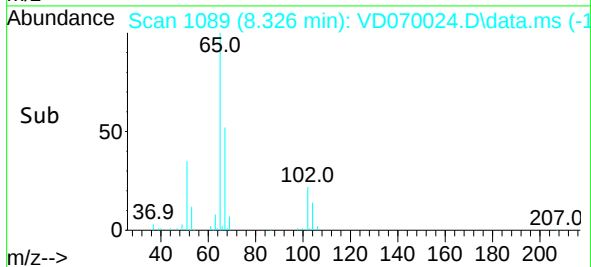
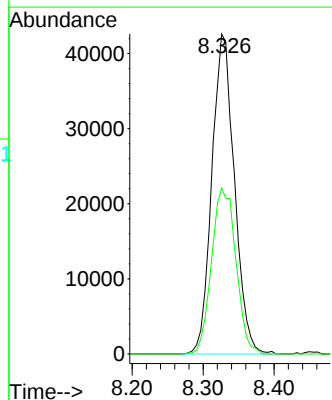
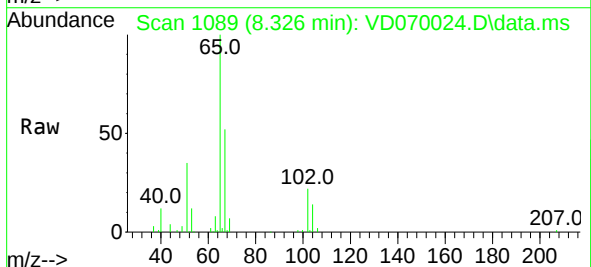
Instrument :
MSVOA_D
ClientSampleId :
124019RE

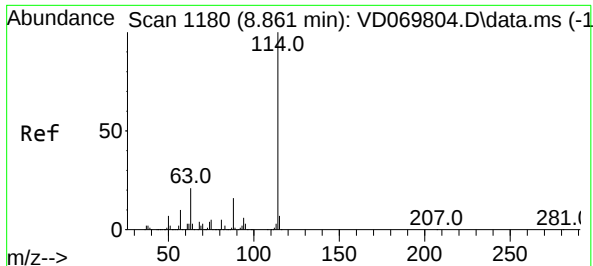
Tgt Ion: 56 Resp: 2586
Ion Ratio Lower Upper
56 100
69 162.7 27.9 41.9#
84 166.8 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 84.485 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion: 65 Resp: 93906
Ion Ratio Lower Upper
65 100
67 55.9 0.0 111.2



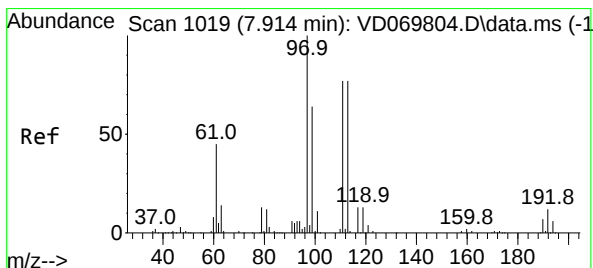
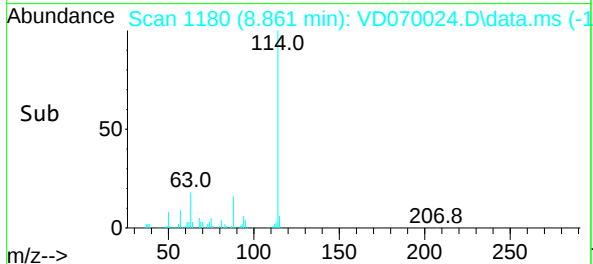
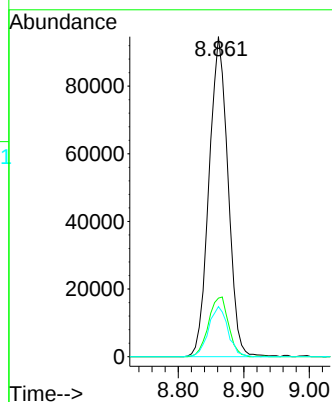
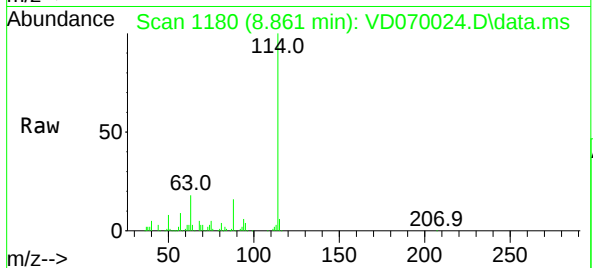


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Instrument :
MSVOA_D
ClientSampleId :
124019RE

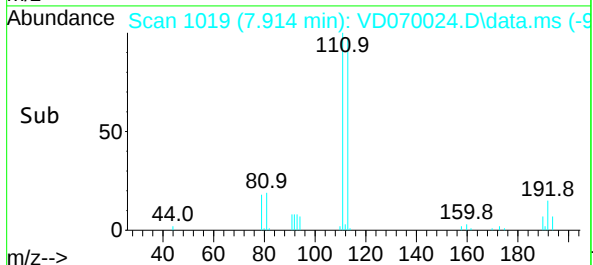
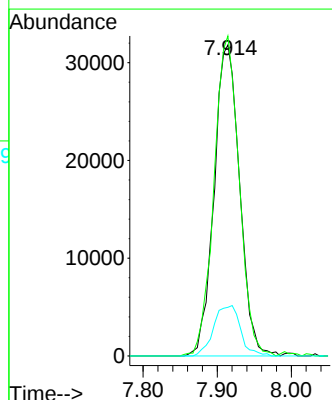
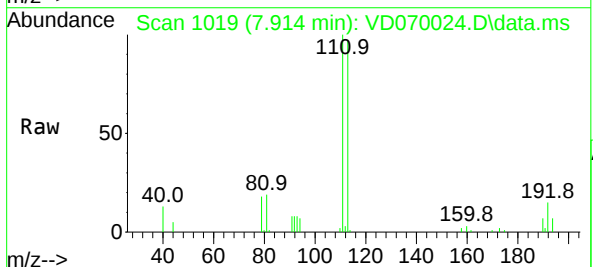
Tgt Ion:114 Resp: 189927
Ion Ratio Lower Upper
114 100
63 18.3 0.0 41.6
88 15.6 0.0 31.4

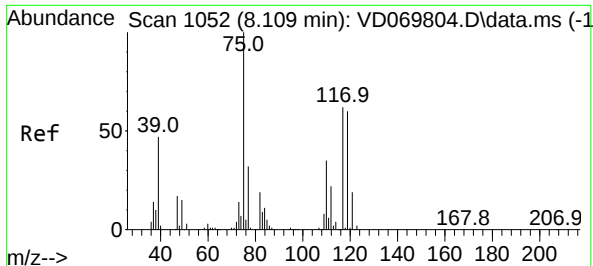


#35

Dibromofluoromethane
Concen: 63.508 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion:113 Resp: 76038
Ion Ratio Lower Upper
113 100
111 101.5 80.5 120.7
192 17.0 12.6 19.0

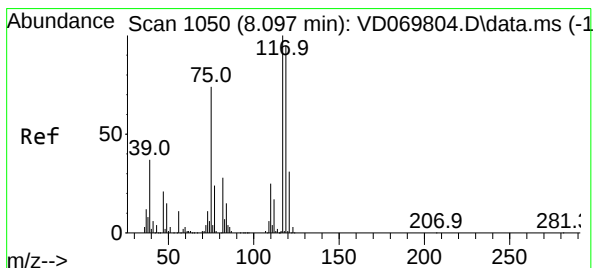
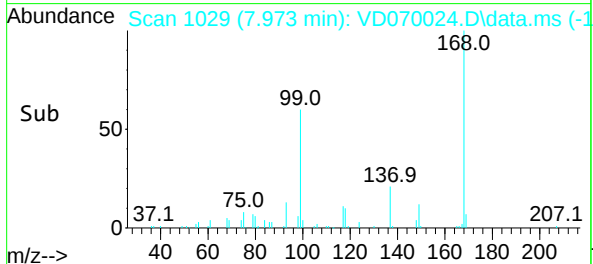
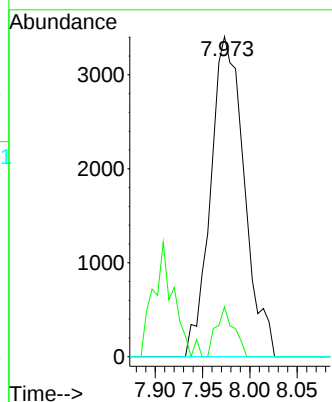
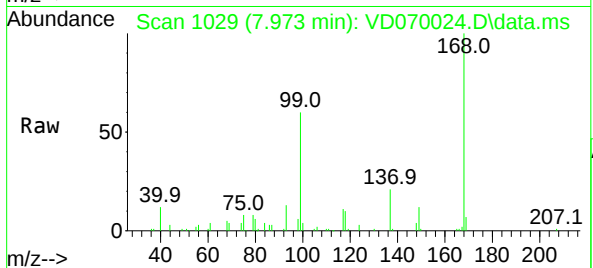




#36
1,1-Dichloropropene
Concen: 4.105 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

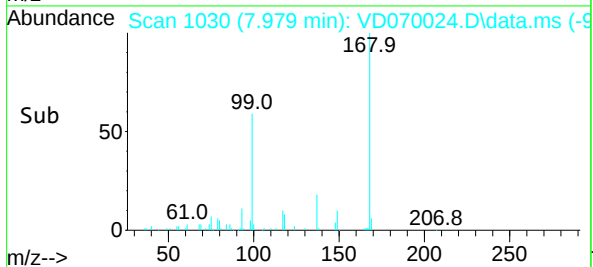
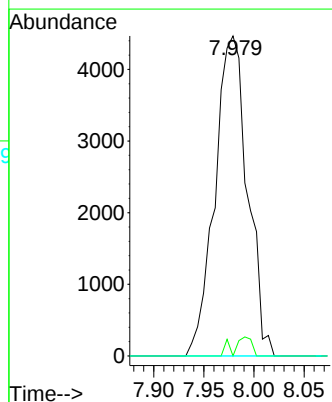
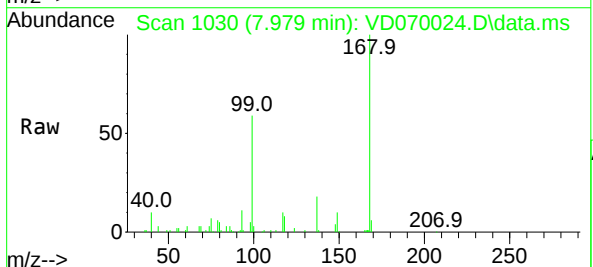
Instrument :
MSVOA_D
ClientSampled :
124019RE

Tgt Ion: 75 Resp: 8413
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion: 117 Resp: 10113
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.850 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. -0.089 min

Lab File: VD070024.D

Acq: 11 Aug 2021 15:35

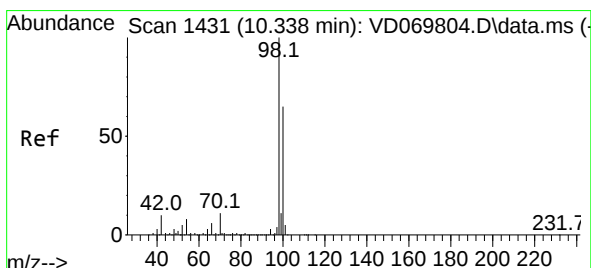
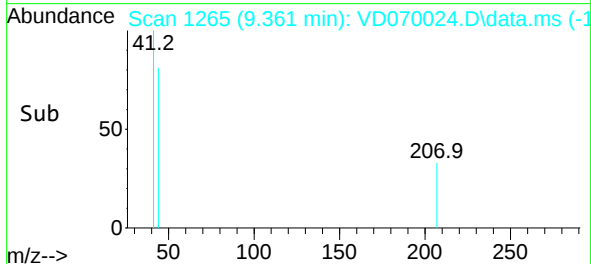
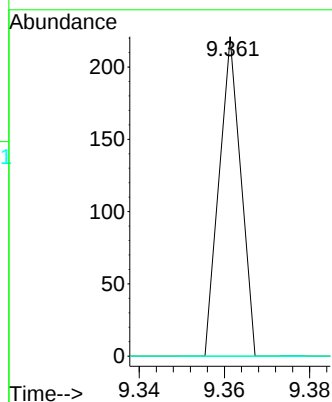
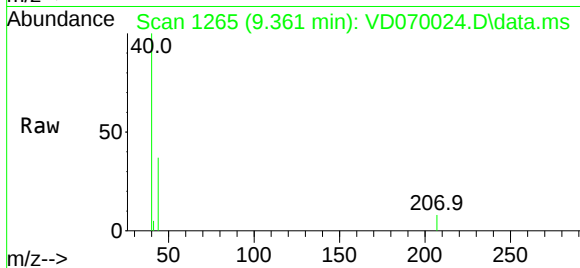
Instrument :

MSVOA_D

ClientSampleId :

124019RE

Tgt Ion:	41	Resp:	78
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	0.0	36.6	55.0#



#50

Toluene-d8

Concen: 52.108 ug/l

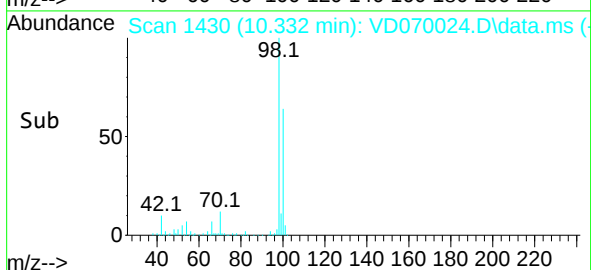
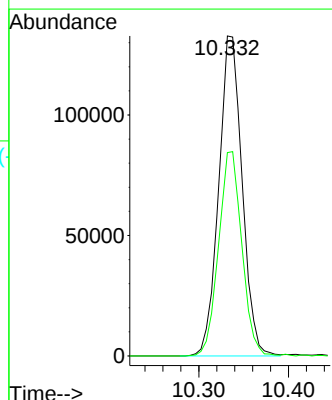
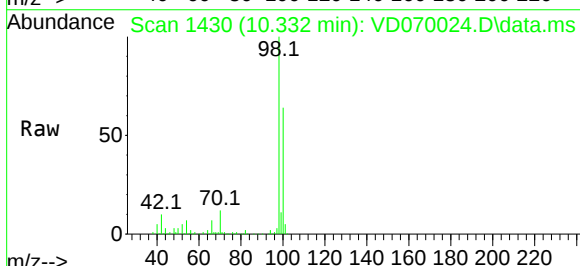
RT: 10.332 min Scan# 1430

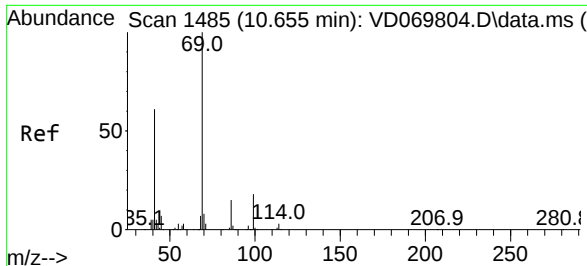
Delta R.T. -0.006 min

Lab File: VD070024.D

Acq: 11 Aug 2021 15:35

Tgt Ion:	98	Resp:	240568
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.9	77.9

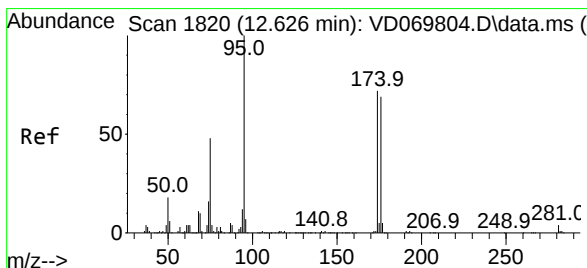
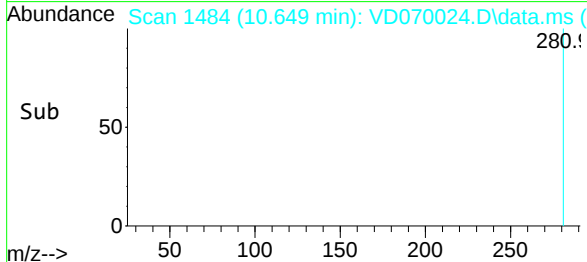
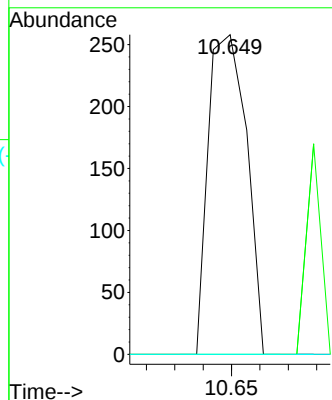
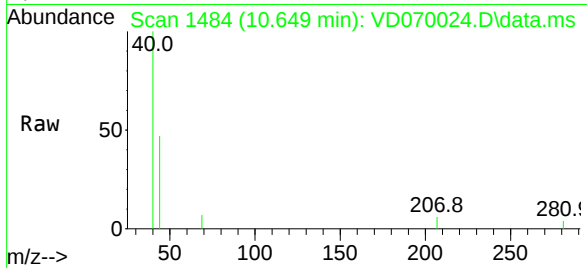




#56
Ethyl methacrylate
Concen: 4.063 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

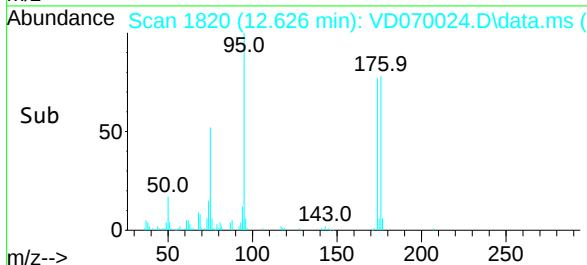
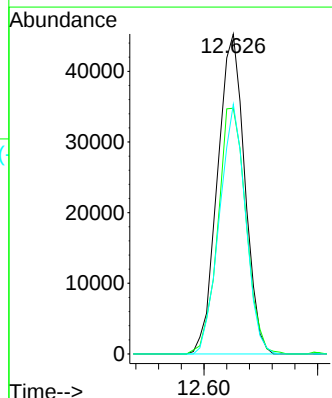
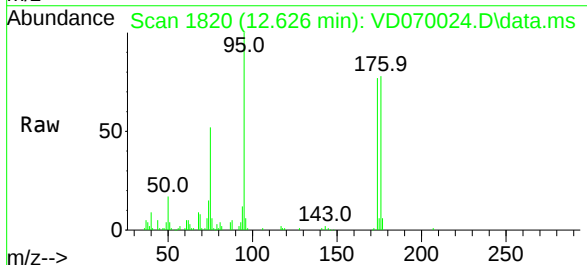
Instrument :
MSVOA_D
ClientSampleId :
124019RE

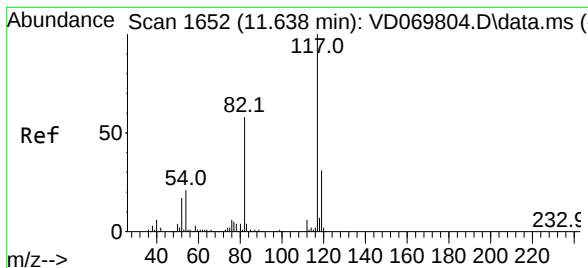
Tgt Ion: 69 Resp: 242
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 48.733 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion: 95 Resp: 75191
Ion Ratio Lower Upper
95 100
174 79.1 0.0 142.6
176 74.8 0.0 134.2

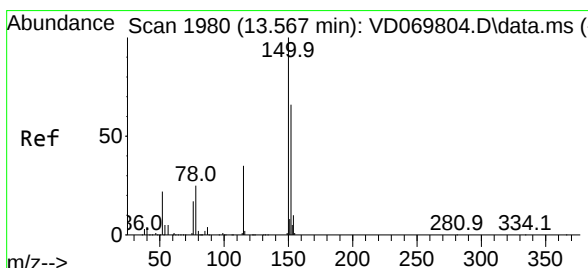
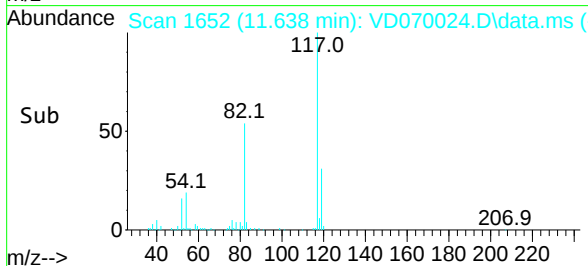
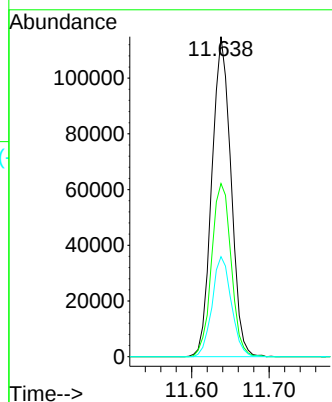
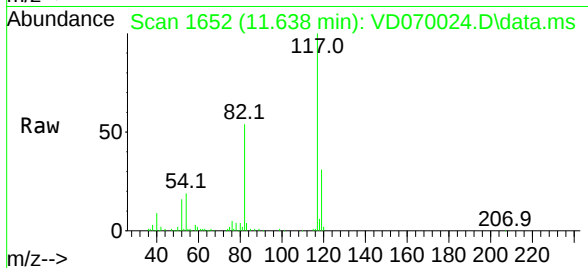




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

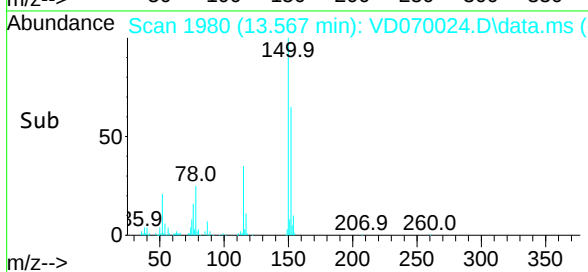
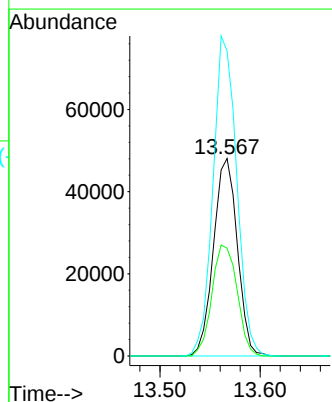
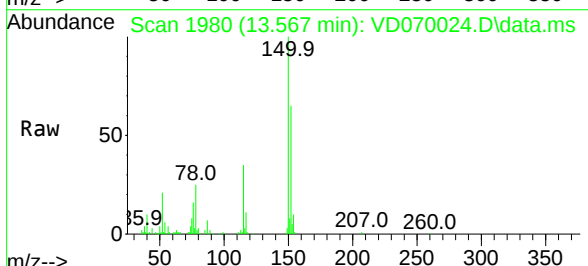
Instrument :
MSVOA_D
ClientSampleId :
124019RE

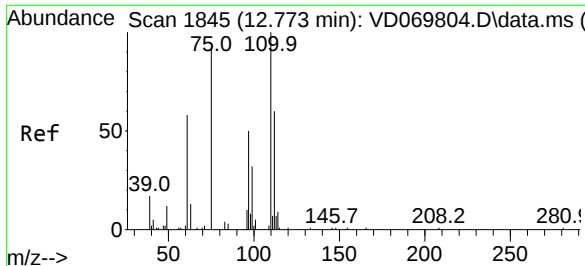
Tgt Ion:117 Resp: 196680
Ion Ratio Lower Upper
117 100
82 54.1 46.3 69.5
119 31.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion:152 Resp: 79406
Ion Ratio Lower Upper
152 100
115 59.3 31.1 93.3
150 160.8 0.0 343.0

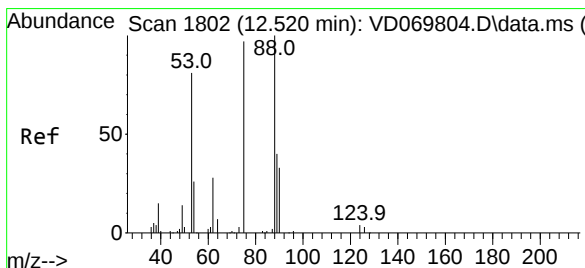
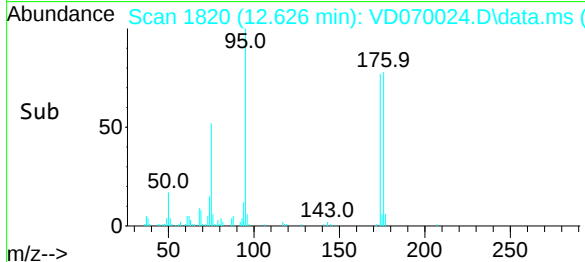
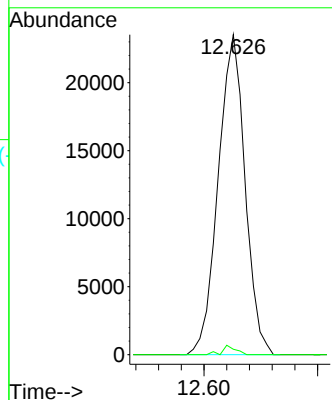
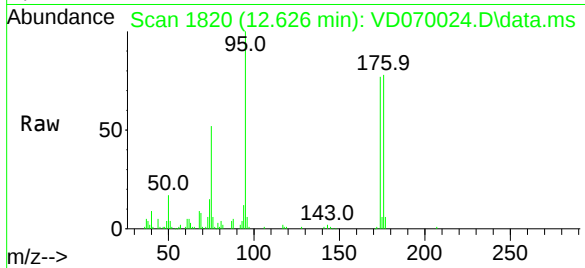




#76
1,2,3-Trichloropropane
Concen: 45.682 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

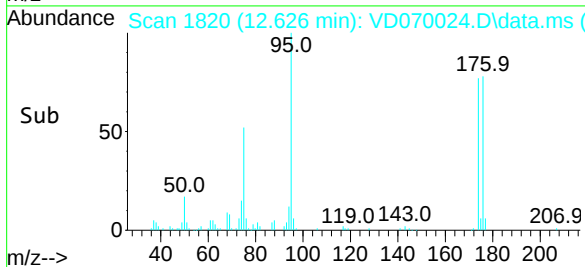
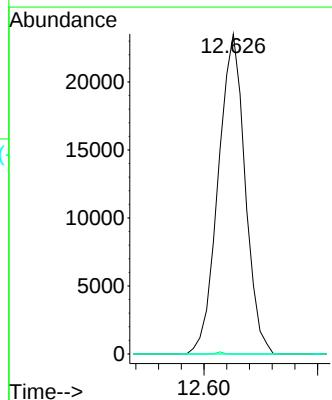
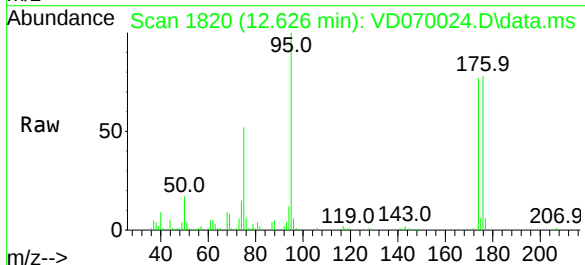
Instrument :
MSVOA_D
ClientSampleId :
124019RE

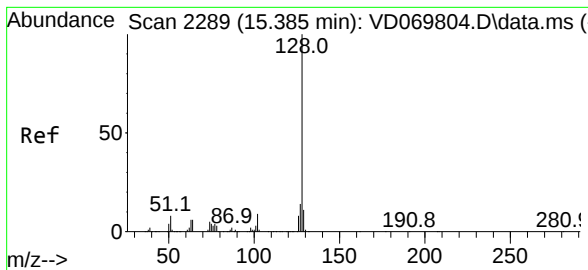
Tgt Ion: 75 Resp: 38557
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.588 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Tgt Ion: 75 Resp: 38557
Ion Ratio Lower Upper
75 100
53 0.1 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.098 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070024.D
Acq: 11 Aug 2021 15:35

Instrument :
MSVOA_D
ClientSampleId :
124019RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

