

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071365.D
 Acq On : 16 Dec 2021 14:13
 Operator : VA/SY
 Sample : M5083-16RE
 Misc : 6.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:48:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

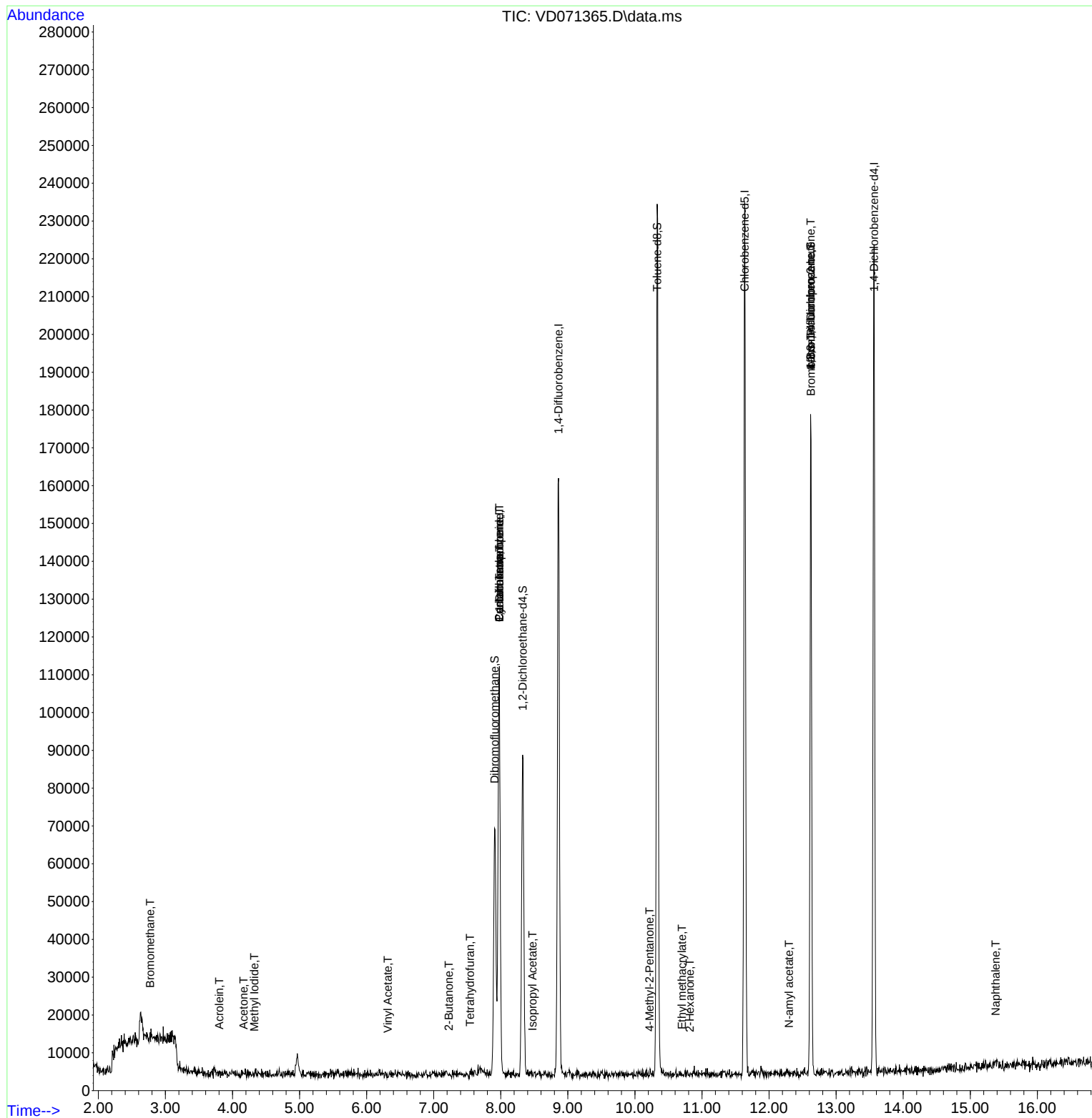
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	72865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	126258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	122384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	54510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	70161	82.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.120%#	
35) Dibromofluoromethane	7.908	113	46559	57.909	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.820%	
50) Toluene-d8	10.332	98	154936	50.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	12.620	95	54038	50.951	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.900%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	779	1.178	ug/l	91
10) Methyl Iodide	4.326	142	54	4.618	ug/l #	40
11) Tert butyl alcohol	5.226	59	144	Below Cal	#	71
13) Acrolein	3.803	56	127	2.174	ug/l #	72
16) Acetone	4.167	43	834	34.017	ug/l #	40
20) Methylene Chloride	4.973	84	3036	Below Cal	#	78
23) Vinyl Acetate	6.314	43	135	27.305	ug/l #	72
25) 2-Butanone	7.226	43	258	29.231	ug/l #	45
29) Tetrahydrofuran	7.544	42	138	1.016	ug/l #	60
31) Cyclohexane	7.979	56	2510	1.726	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	7563	6.409	ug/l #	49
38) Carbon Tetrachloride	7.979	117	7915	6.804	ug/l #	12
41) Methacrylonitrile	7.508	41	57	Below Cal	#	1
43) Isopropyl Acetate	8.473	43	55	5.267	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	360	31.201	ug/l #	61
56) Ethyl methacrylate	10.702	69	55	6.029	ug/l #	28
59) 2-Hexanone	10.820	43	145	34.862	ug/l	74
71) Bromoform	12.626	173	997	2.321	ug/l #	1
74) N-amyl acetate	12.296	43	65	5.754	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	30737	59.184	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	30737	128.216	ug/l #	19
95) Naphthalene	15.379	128	1670	1.049	ug/l #	74

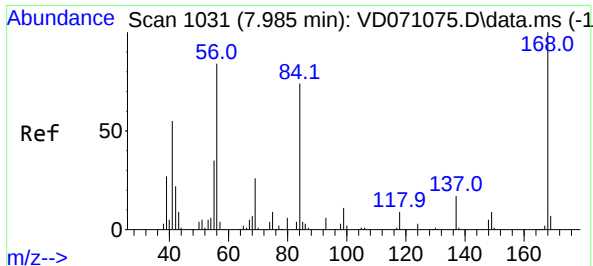
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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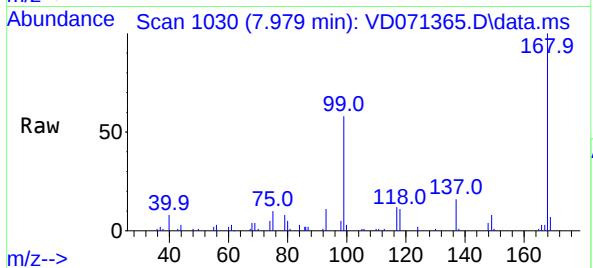
Quant Time: Dec 16 23:48:42 2021
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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



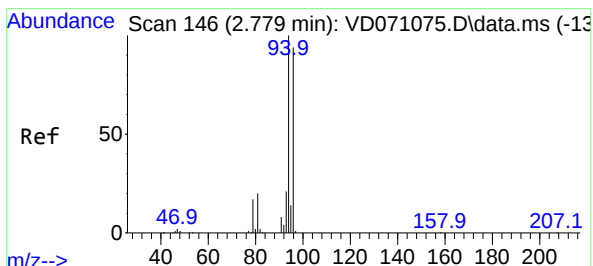
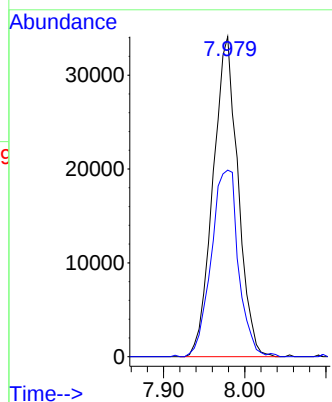
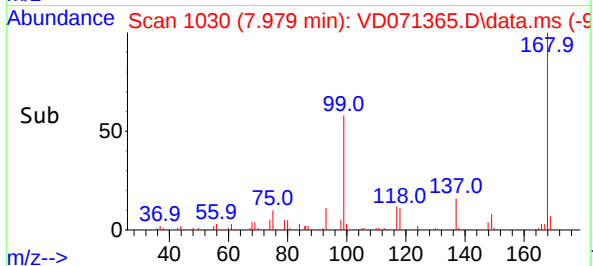


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :

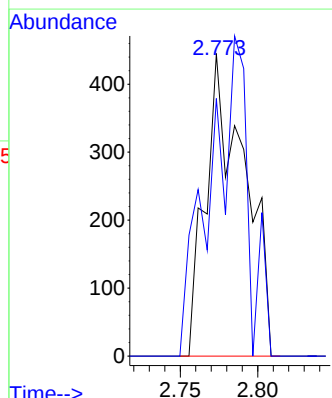
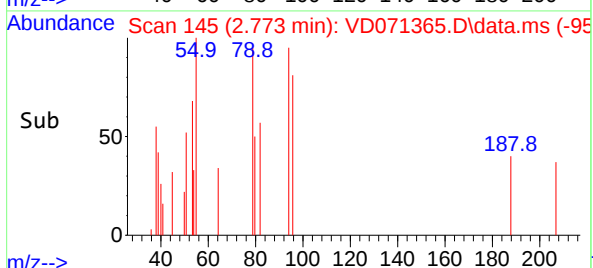
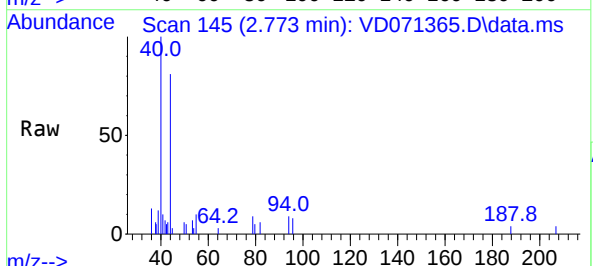


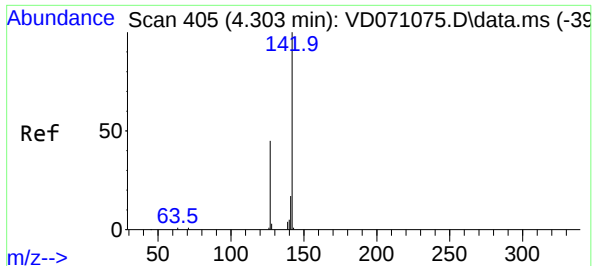
Tgt Ion:168 Resp: 72865
Ion Ratio Lower Upper
168 100
99 58.3 46.6 69.8



#5
Bromomethane
Concen: 1.178 ug/l
RT: 2.773 min Scan# 145
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion: 94 Resp: 779
Ion Ratio Lower Upper
94 100
96 85.2 74.8 112.2





#10

Methyl Iodide

Concen: 4.618 ug/l

RT: 4.326 min Scan# 40

Delta R.T. 0.023 min

Lab File: VD071365.D

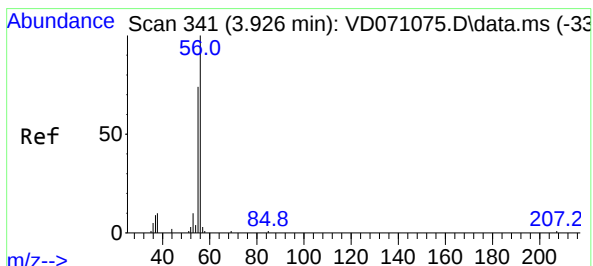
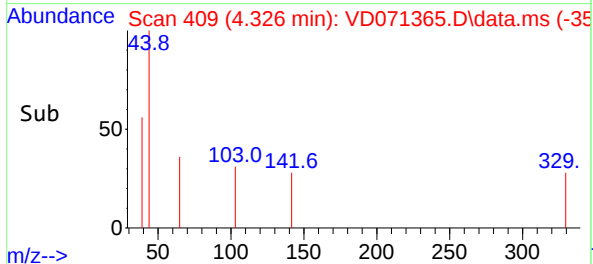
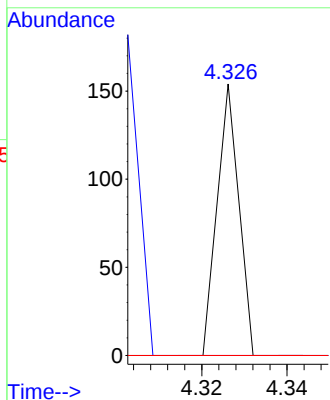
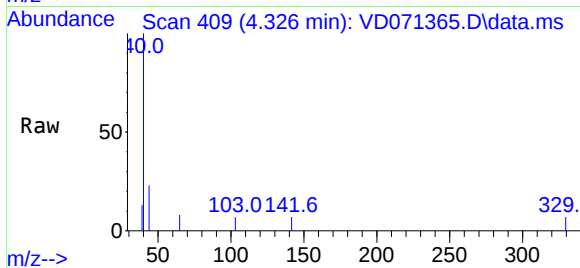
Acq: 16 Dec 2021 14:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	142	Resp:	54
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.0	52.4#
141	0.0	12.0	18.0#



#13

Acrolein

Concen: 2.174 ug/l

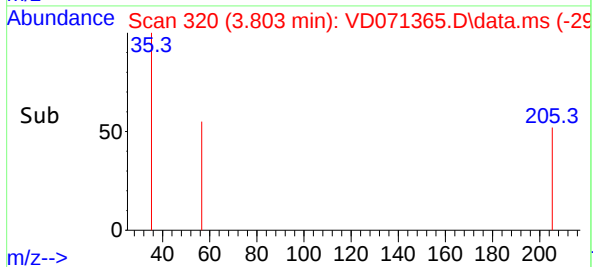
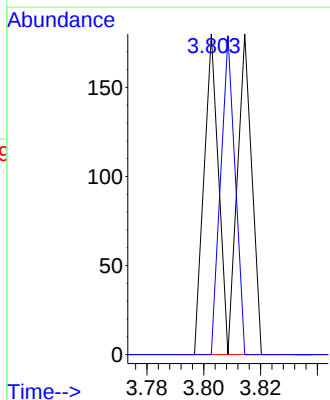
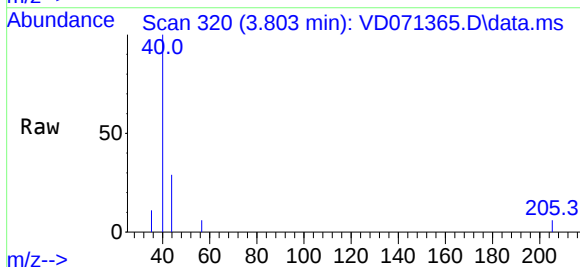
RT: 3.803 min Scan# 320

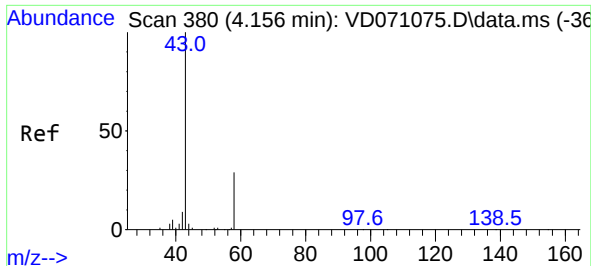
Delta R.T. -0.123 min

Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

Tgt Ion:	56	Resp:	127
Ion	Ratio	Lower	Upper
56	100		
55	49.6	58.6	87.8#

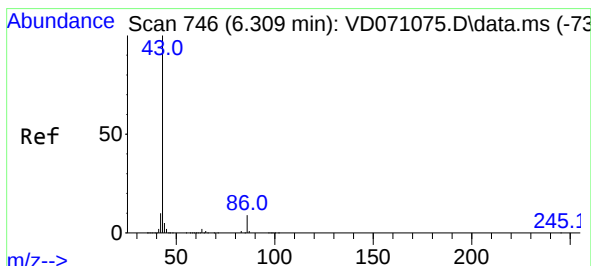
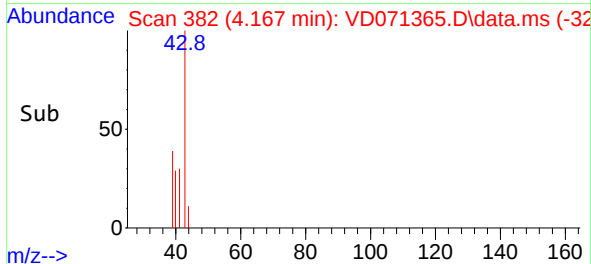
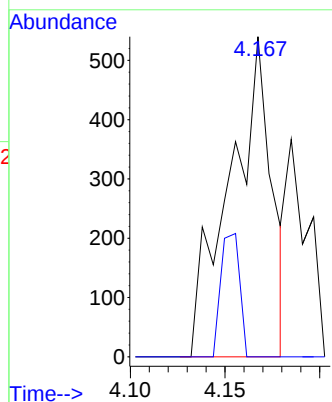
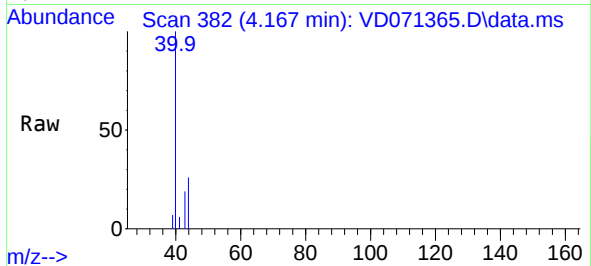




#16
Acetone
Concen: 34.017 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

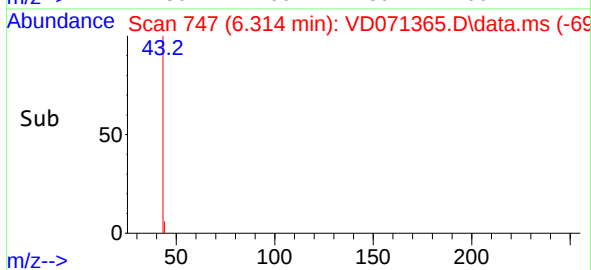
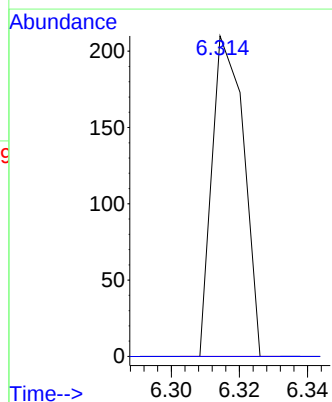
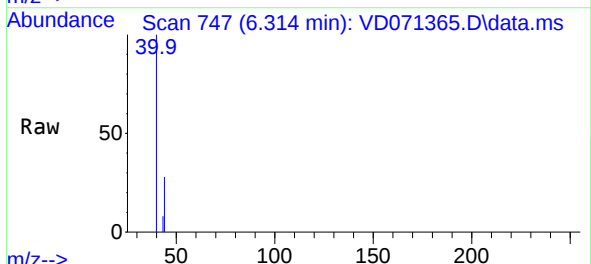
Instrument :
MSVOA_D
ClientSampleId :

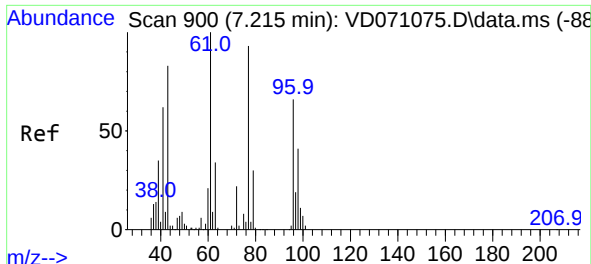
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.305 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

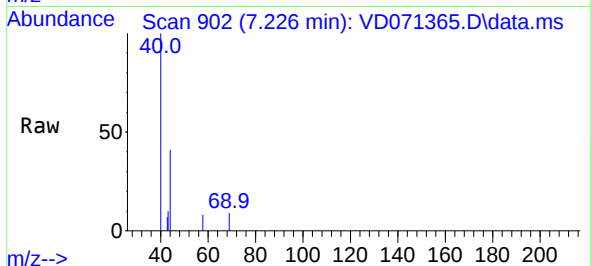
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



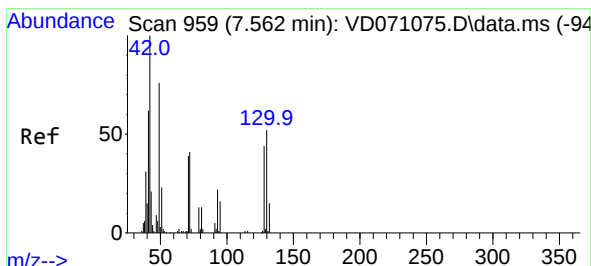
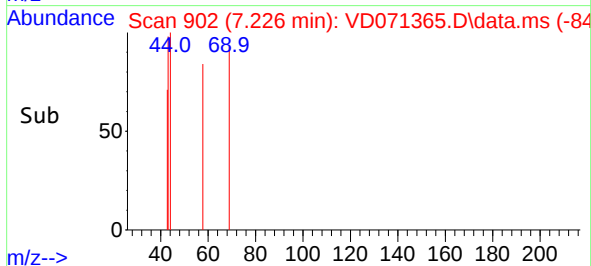
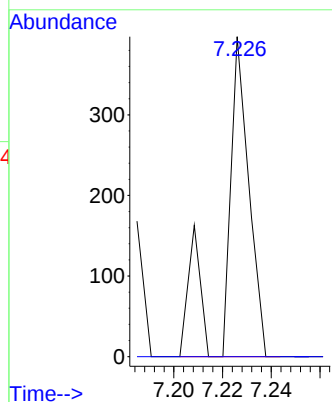


#25
2-Butanone
Concen: 29.231 ug/l
RT: 7.226 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :

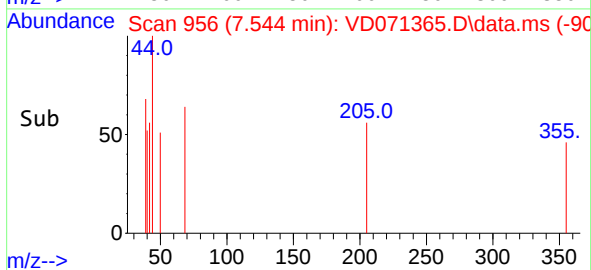
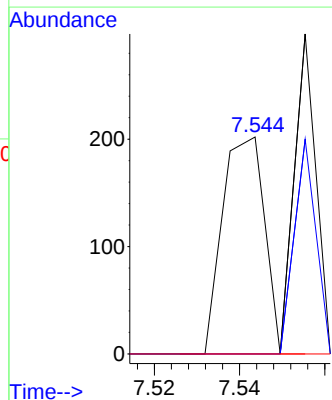
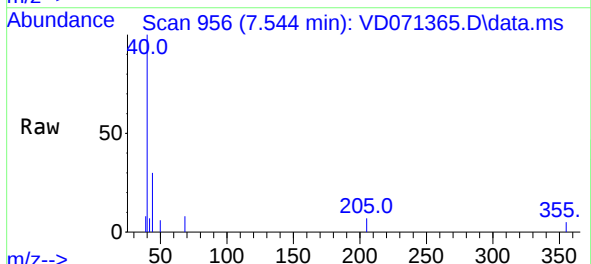


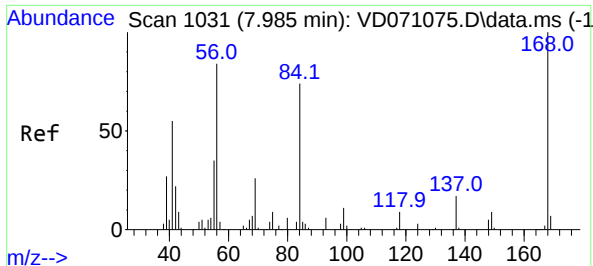
Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.016 ug/l
RT: 7.544 min Scan# 956
Delta R.T. -0.018 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion: 42 Resp: 138
Ion Ratio Lower Upper
42 100
72 51.4 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.726 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

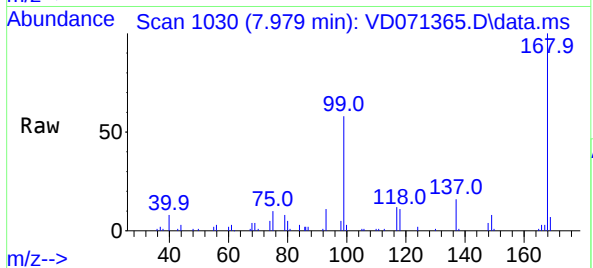
Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

Instrument :

MSVOA_D

ClientSampleId :



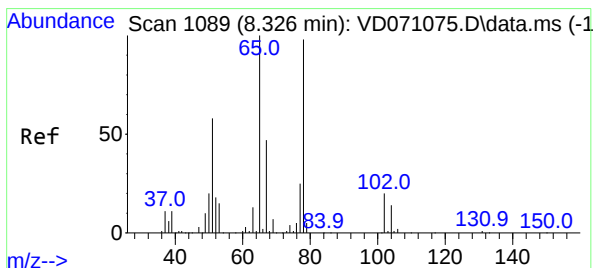
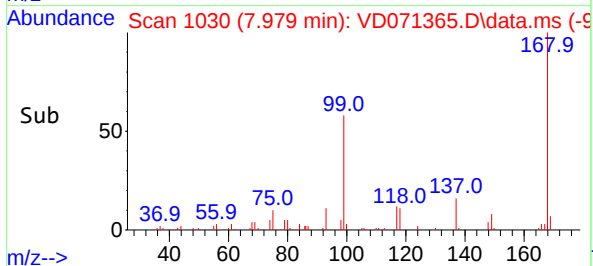
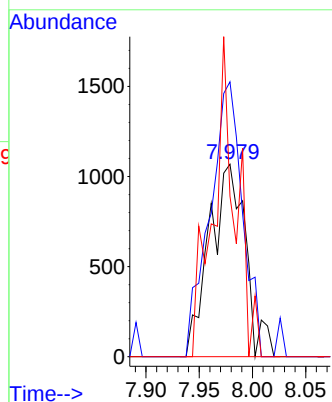
Tgt Ion: 56 Resp: 2510

Ion Ratio Lower Upper

56 100

69 142.9 25.9 38.9#

84 83.5 64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 82.061 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071365.D

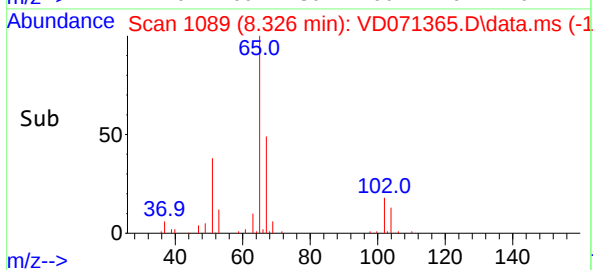
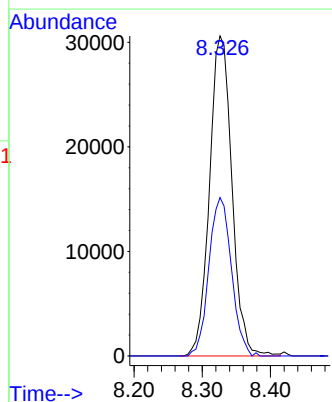
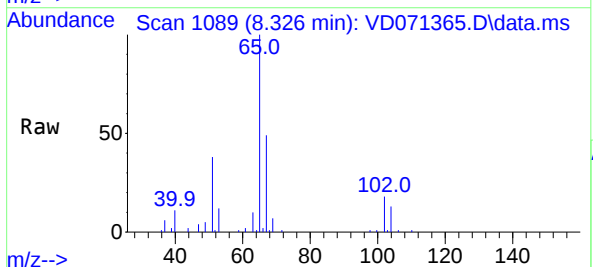
Acq: 16 Dec 2021 14:13

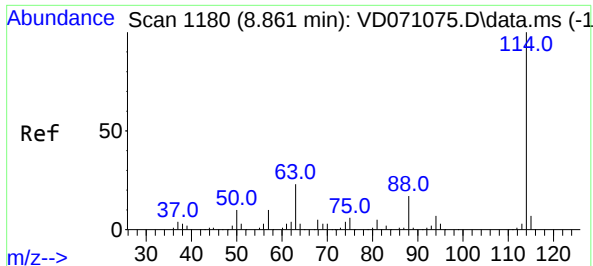
Tgt Ion: 65 Resp: 70161

Ion Ratio Lower Upper

65 100

67 49.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

Instrument :

MSVOA_D

ClientSampleId :

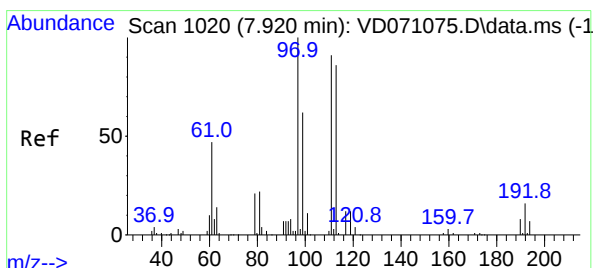
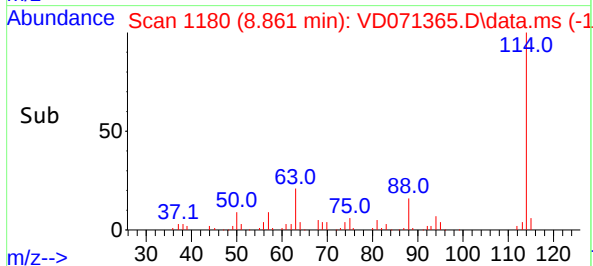
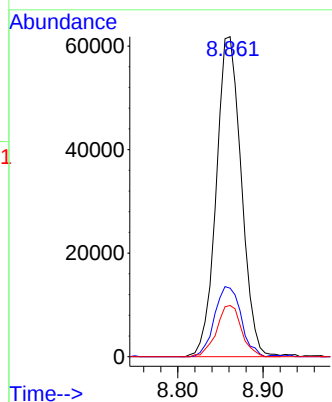
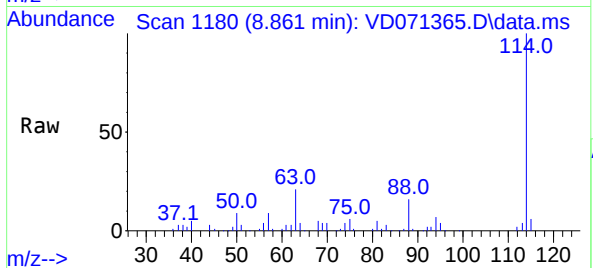
Tgt Ion:114 Resp: 126258

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 57.909 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

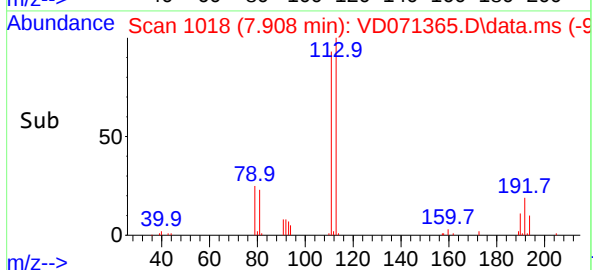
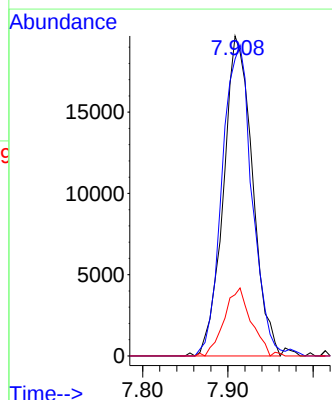
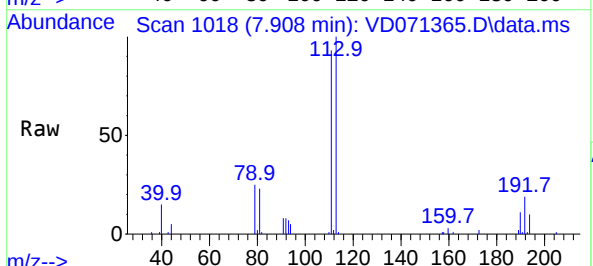
Tgt Ion:113 Resp: 46559

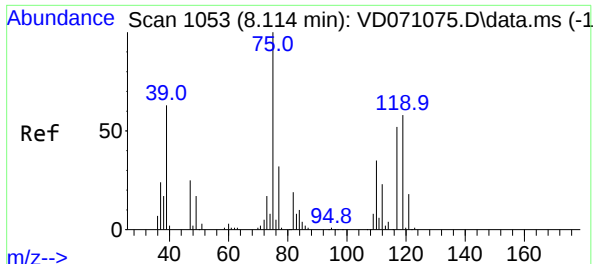
Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

192 19.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.409 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

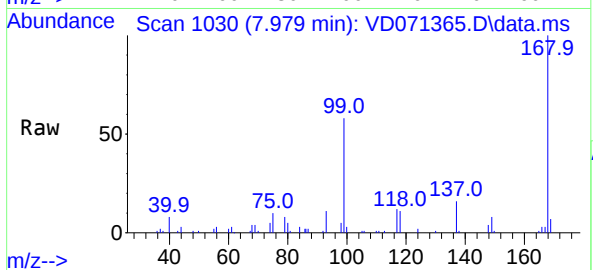
Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

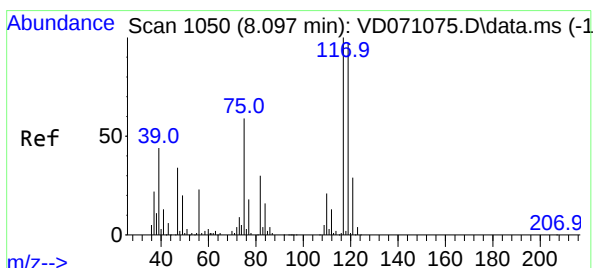
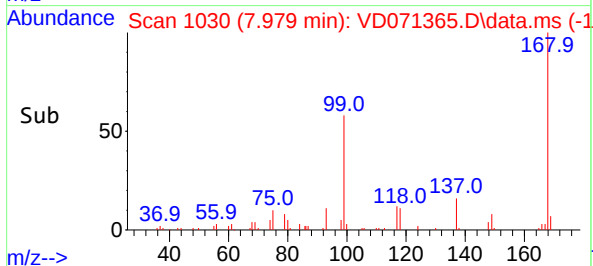
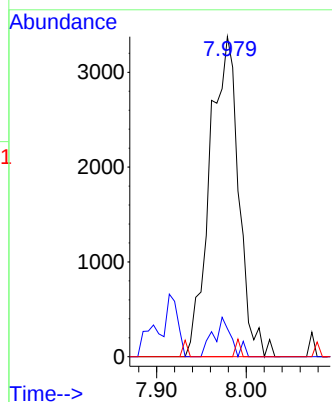
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 7563
Ion Ratio	Lower Upper
75 100	
110 7.7	17.8 53.4#
77 0.9	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.804 ug/l

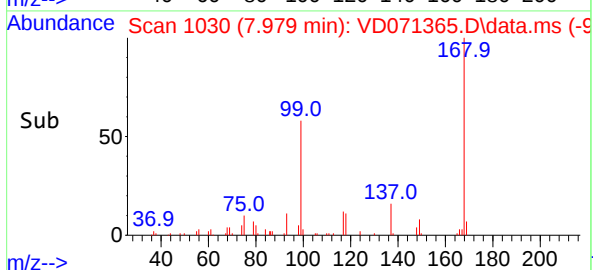
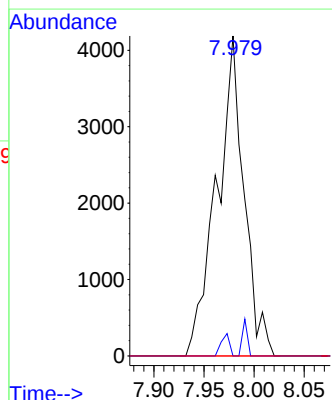
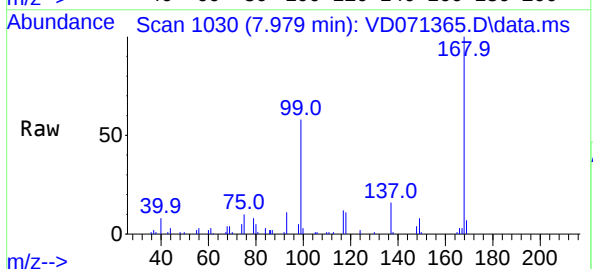
RT: 7.979 min Scan# 1030

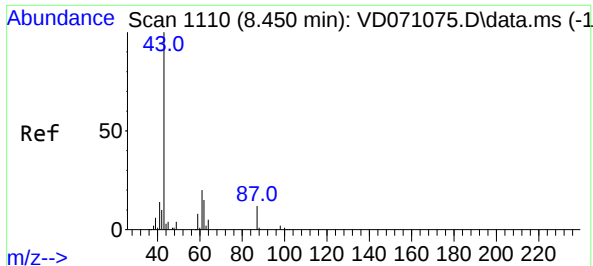
Delta R.T. -0.118 min

Lab File: VD071365.D

Acq: 16 Dec 2021 14:13

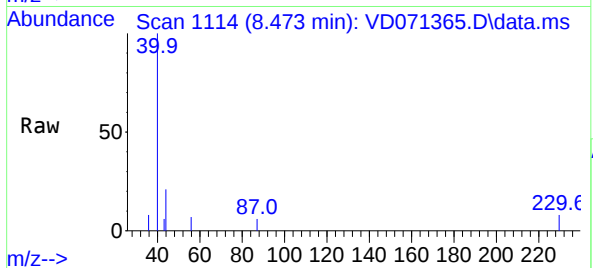
Tgt Ion: 117	Resp: 7915
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	23.6 35.4#



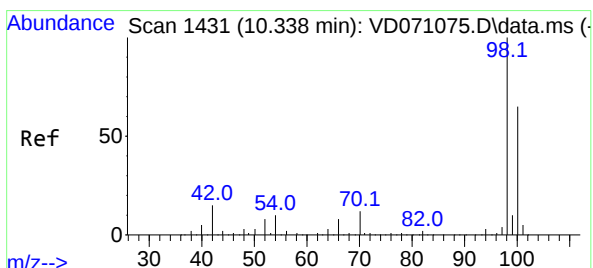
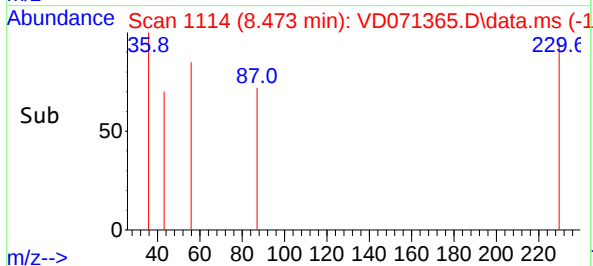
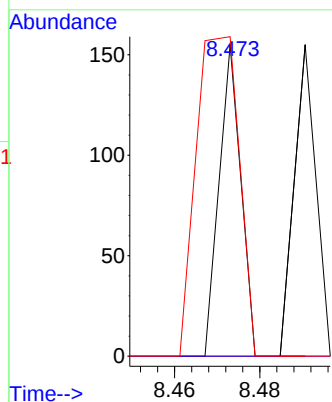


#43
Isopropyl Acetate
Concen: 5.267 ug/l
RT: 8.473 min Scan# 1114
Delta R.T. 0.023 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :

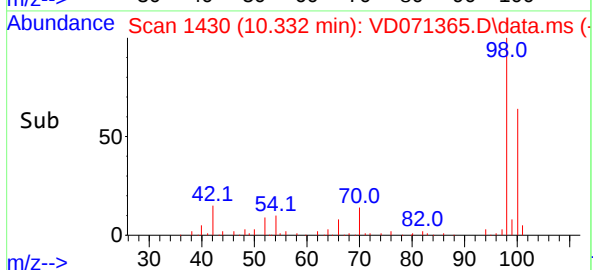
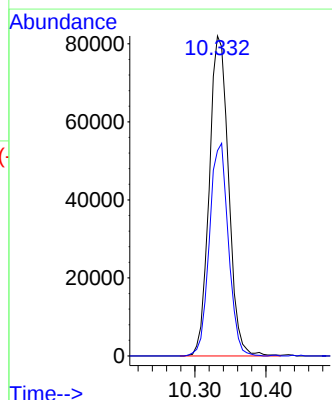
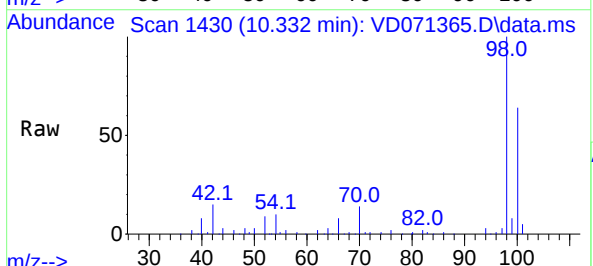


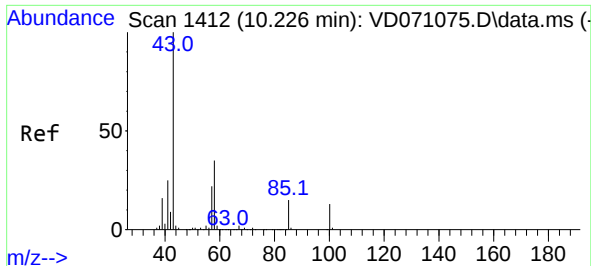
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 203.6 10.7 16.1#



#50
Toluene-d8
Concen: 50.639 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion: 98 Resp: 154936
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

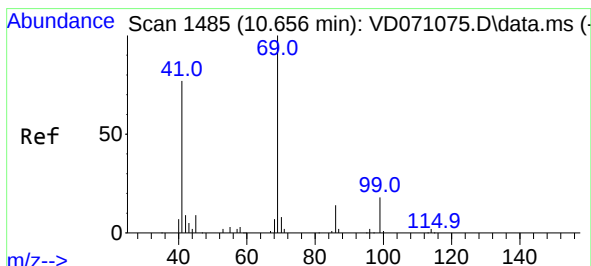
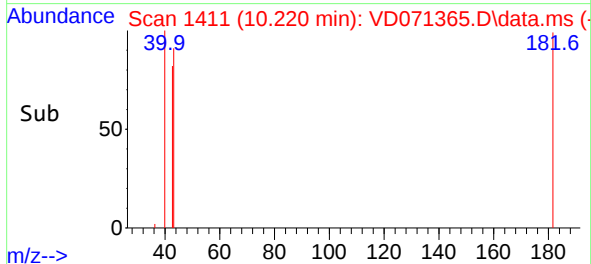
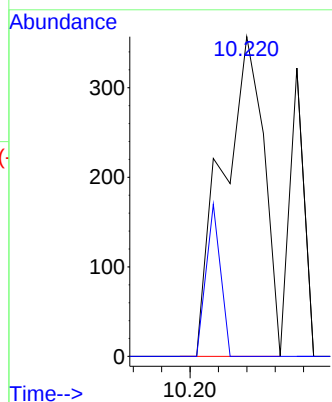
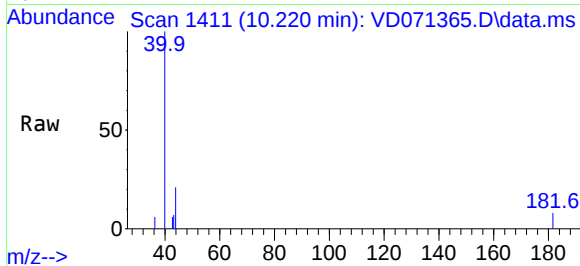




#51
4-Methyl-2-Pentanone
Concen: 31.201 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

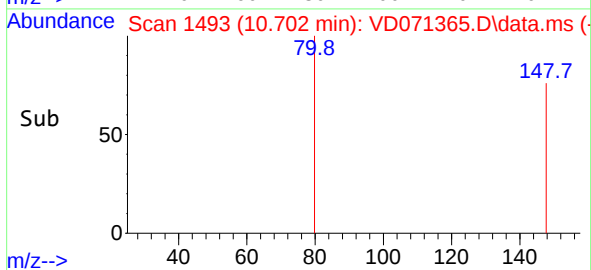
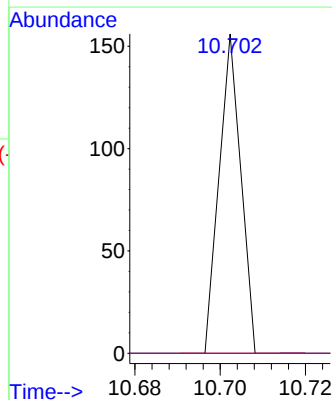
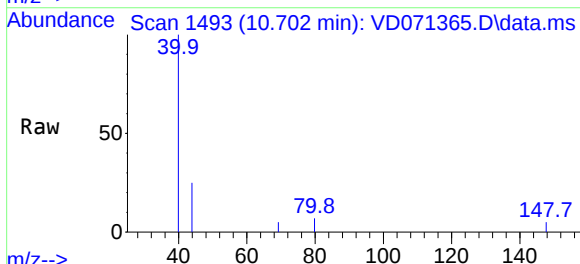
Instrument :
MSVOA_D
ClientSampleId :

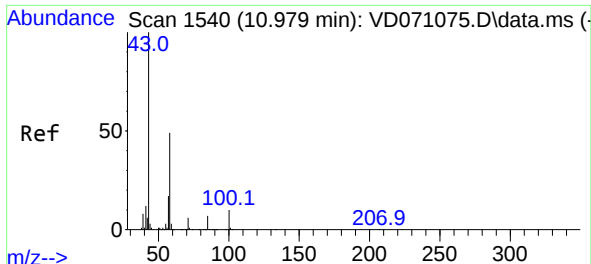
Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
58 16.7 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.029 ug/l
RT: 10.702 min Scan# 1493
Delta R.T. 0.046 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

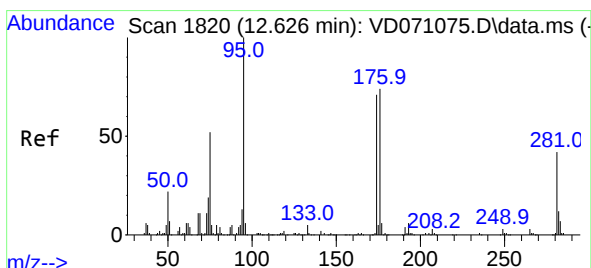
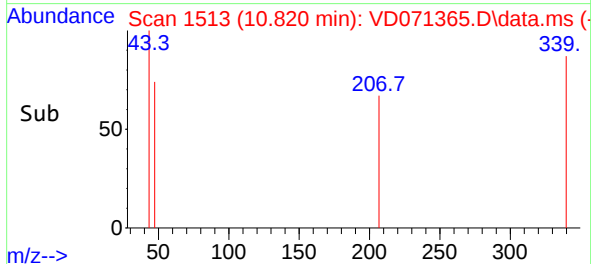
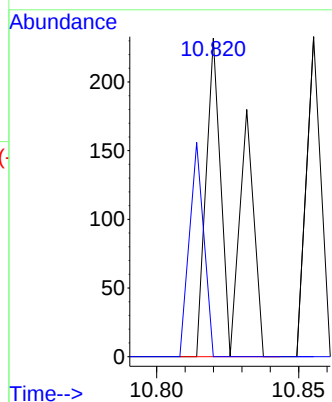
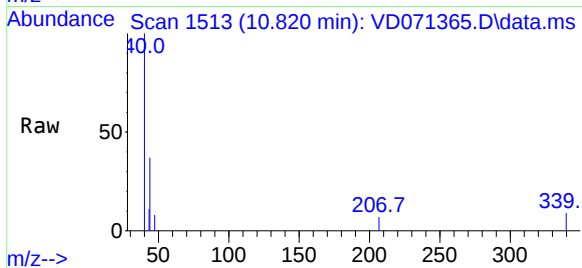




#59
2-Hexanone
Concen: 34.862 ug/l
RT: 10.820 min Scan# 11
Delta R.T. -0.159 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

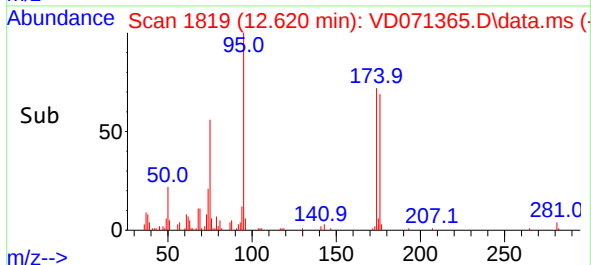
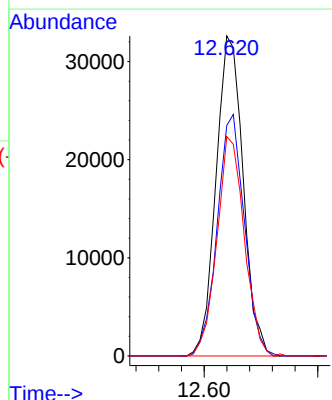
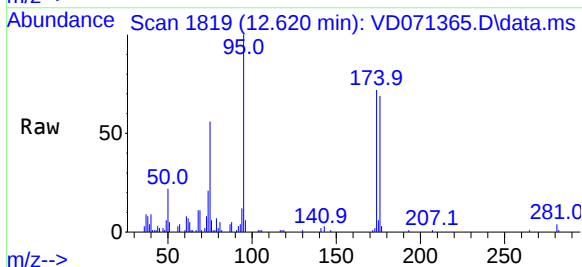
Instrument :
MSVOA_D
ClientSampleId :

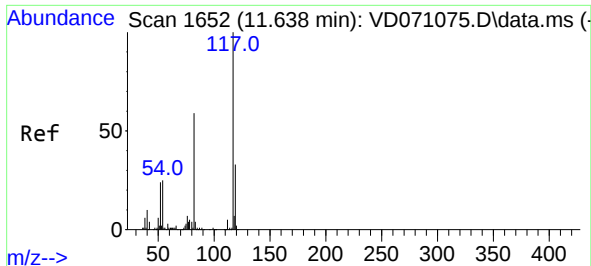
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
58 37.9 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 50.951 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

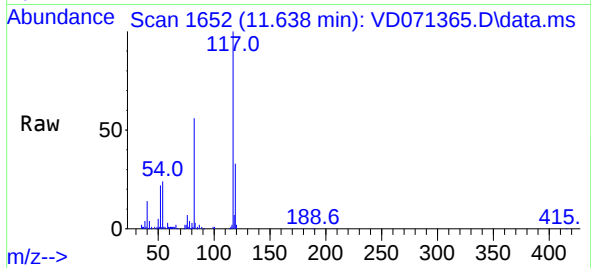
Tgt Ion: 95 Resp: 54038
Ion Ratio Lower Upper
95 100
174 75.8 0.0 159.4
176 69.4 0.0 154.0



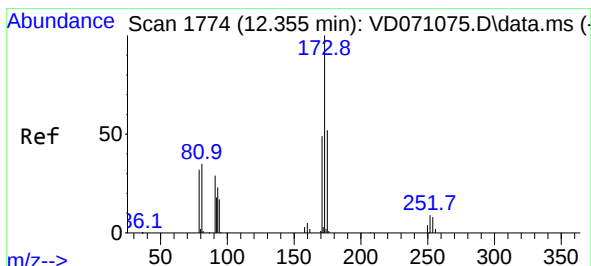
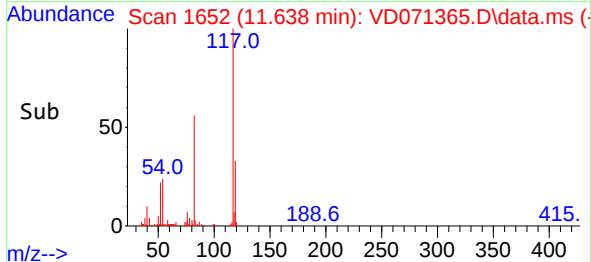
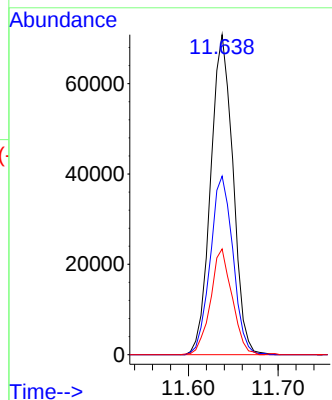


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :

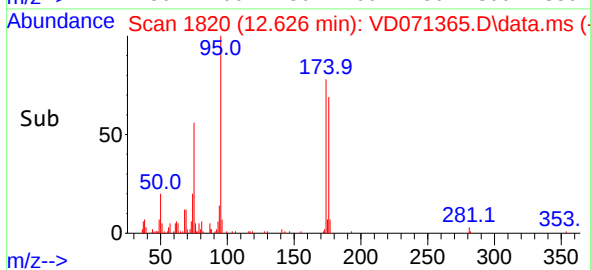
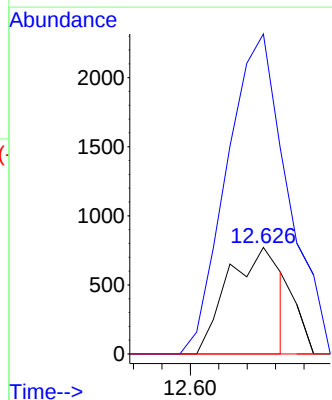
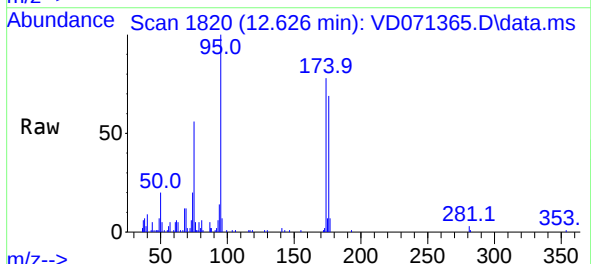


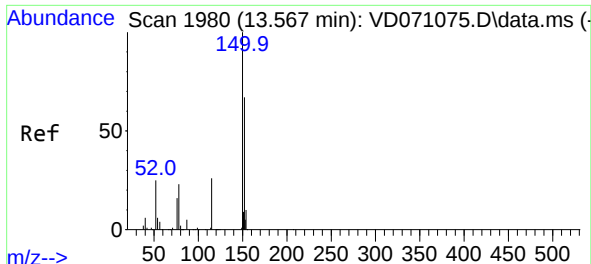
Tgt Ion:117 Resp: 122384
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 33.1 26.2 39.4



#71
Bromoform
Concen: 2.321 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion:173 Resp: 997
Ion Ratio Lower Upper
173 100
175 295.2 24.1 72.2#
254 0.0 0.1 0.1#

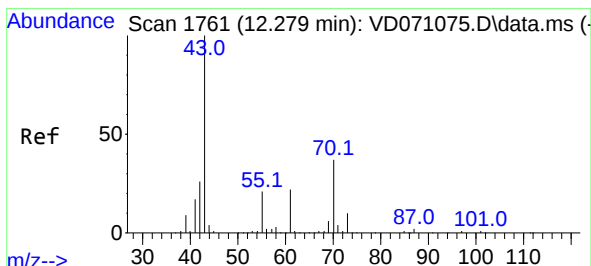
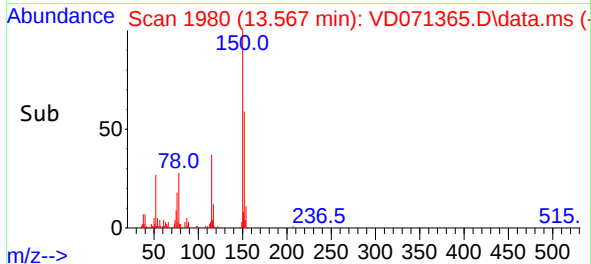
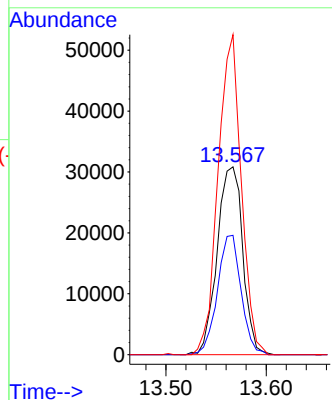
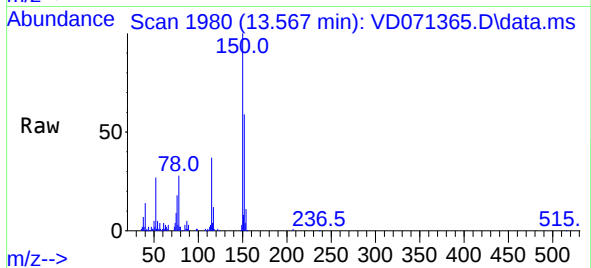




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

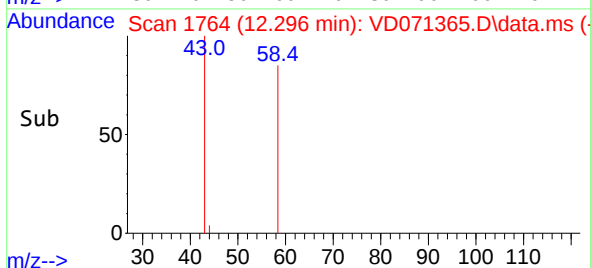
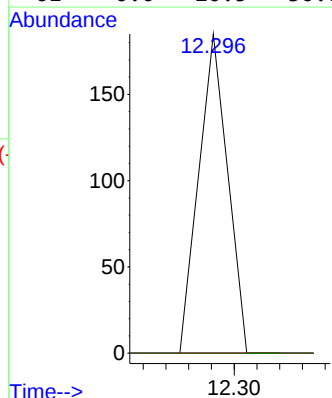
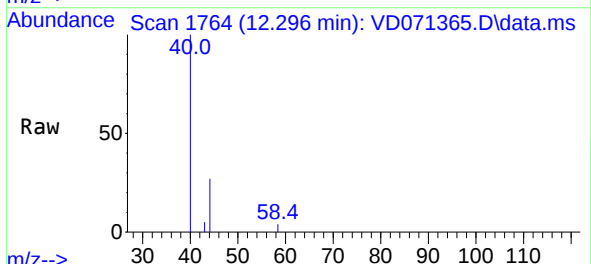
Instrument :
MSVOA_D
ClientSampleId :

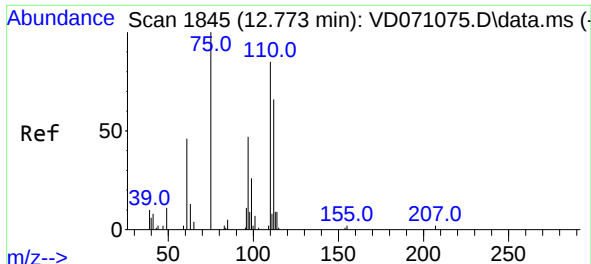
Tgt Ion:152 Resp: 54510
Ion Ratio Lower Upper
152 100
115 58.9 29.8 89.3
150 154.7 0.0 349.2



#74
N-ethyl acetate
Concen: 5.754 ug/l
RT: 12.296 min Scan# 1764
Delta R.T. 0.017 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

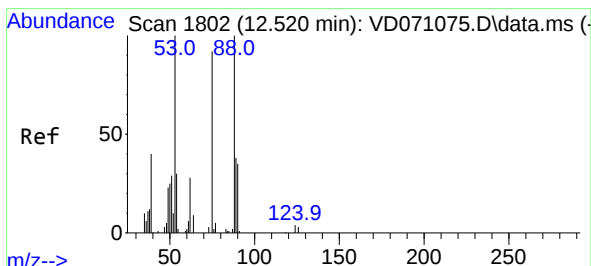
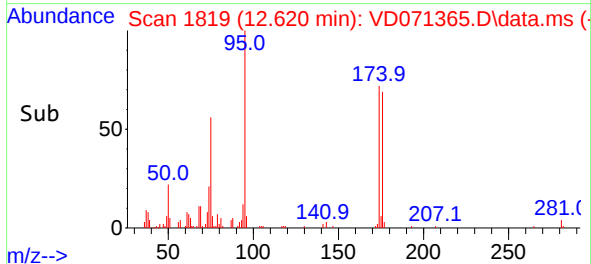
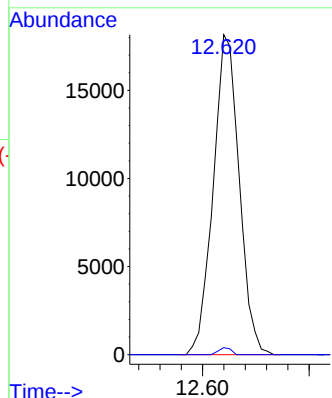
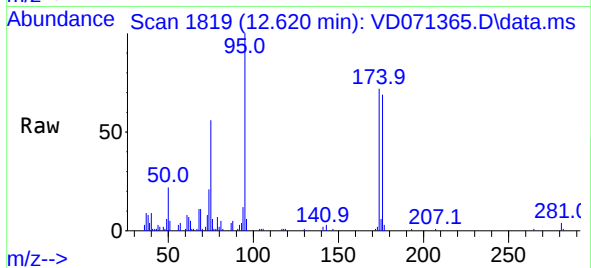




#76
1,2,3-Trichloropropane
Concen: 59.184 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

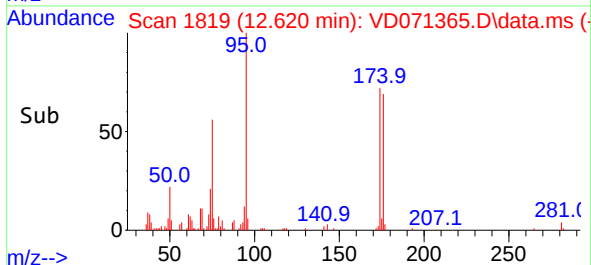
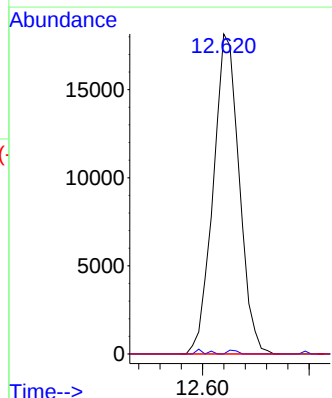
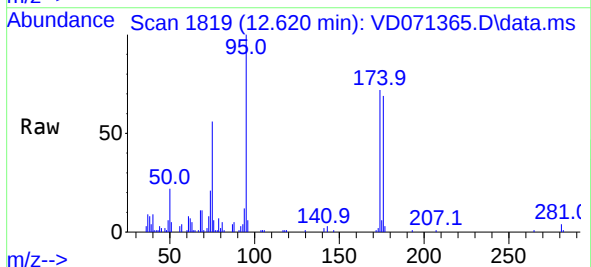
Instrument :
MSVOA_D
ClientSampleId :

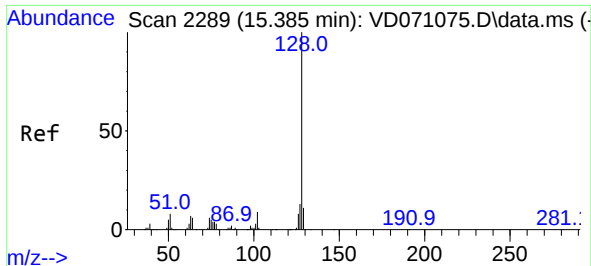
Tgt Ion: 75 Resp: 30737
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.216 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

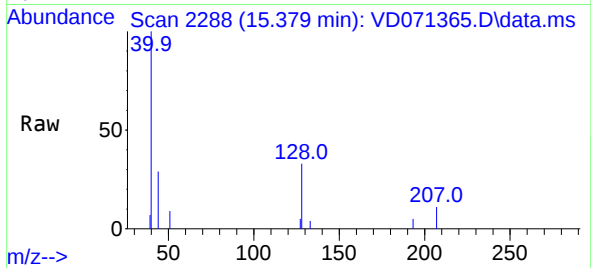
Tgt Ion: 75 Resp: 30737
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 1.049 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071365.D
Acq: 16 Dec 2021 14:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1670
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.7	16.1#
129	0.0	8.7	13.1#

