

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073016.D
 Acq On : 14 May 2022 04:50
 Operator : VA/SY
 Sample : N2823-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-2

Quant Time: May 16 05:20:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

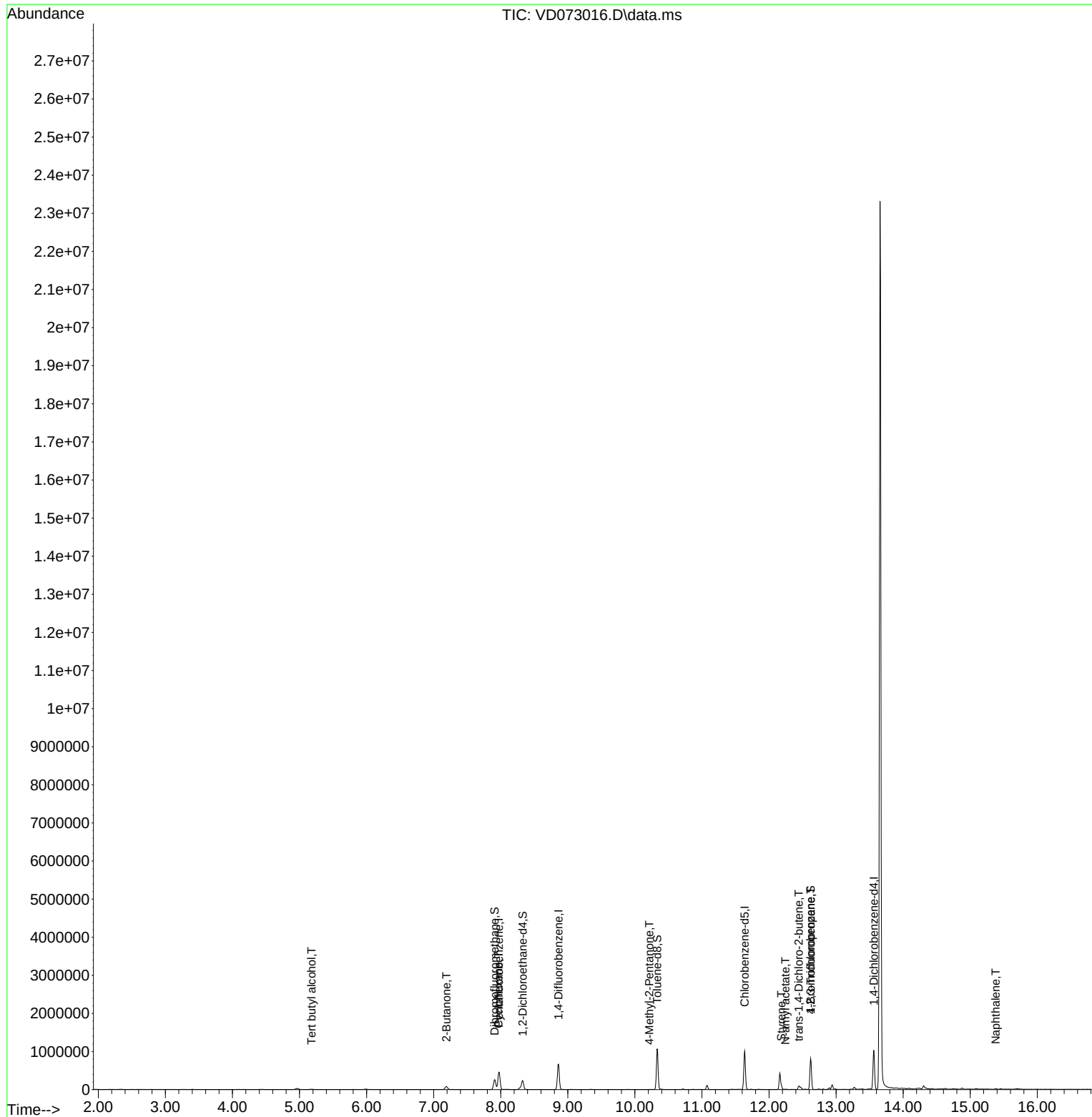
Internal Standards						
1) Pentafluorobenzene	7.973	168	334107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	581273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	183277	42.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.520%
35) Dibromofluoromethane	7.909	113	192749	47.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.440%
50) Toluene-d8	10.332	98	704829	48.132	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.620	95	273256	50.044	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.080%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	1405	Below Cal	#	71
11) Tert butyl alcohol	5.179	59	7143	19.036	ug/l #	74
16) Acetone	4.162	43	5252	Below Cal		97
18) Methyl Acetate	4.679	43	70	Below Cal	#	55
20) Methylene Chloride	4.967	84	19766	Below Cal		90
25) 2-Butanone	7.191	43	5987	4.738	ug/l #	79
31) Cyclohexane	7.967	56	9854	1.300	ug/l #	14
51) 4-Methyl-2-Pentanone	10.214	43	3325	1.136	ug/l	99
70) Styrene	12.185	104	32392	2.261	ug/l	91
74) N-amyl acetate	12.244	43	5873	1.108	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	138026	45.253	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.444	75	5205	3.924	ug/l #	29
95) Naphthalene	15.379	128	10242	1.060	ug/l #	94

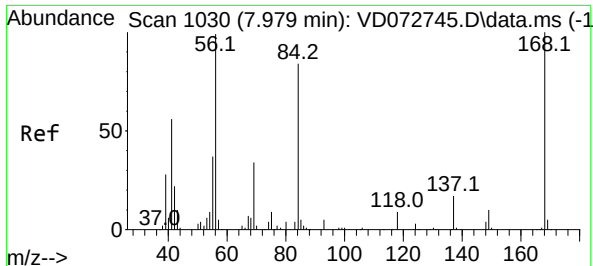
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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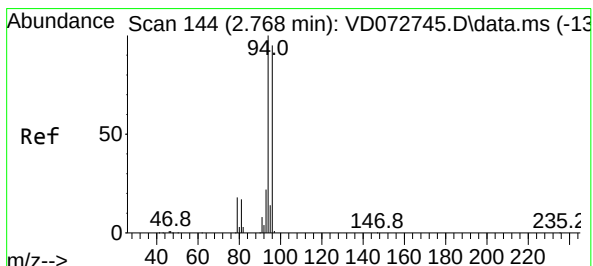
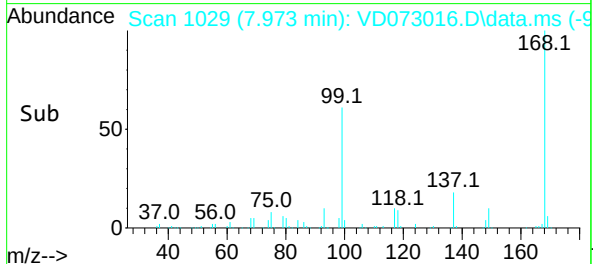
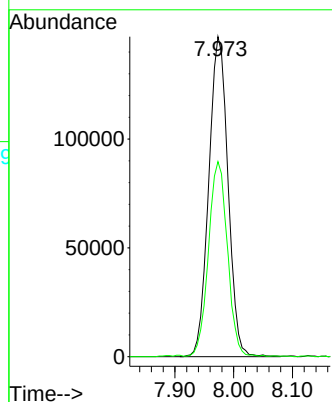
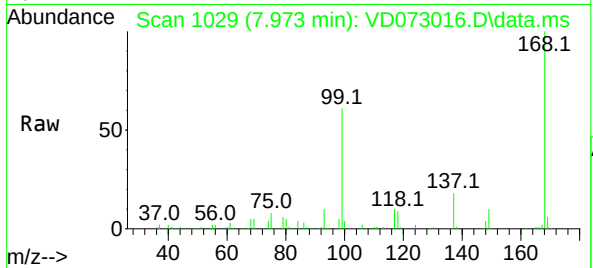




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

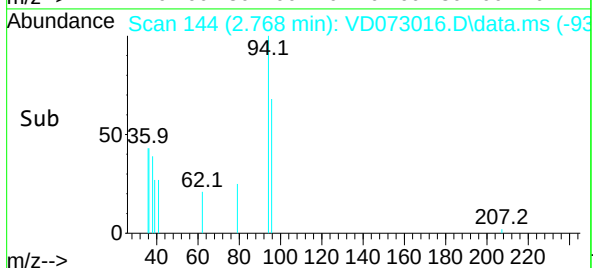
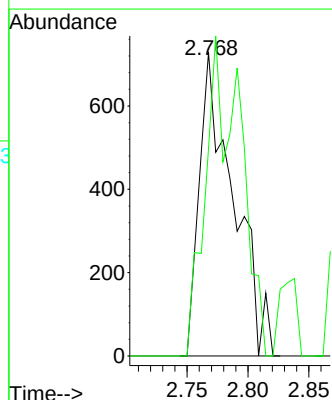
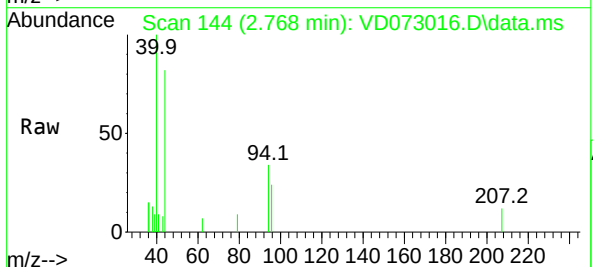
Instrument :
MSVOA_D
ClientSampleId :
SC-2

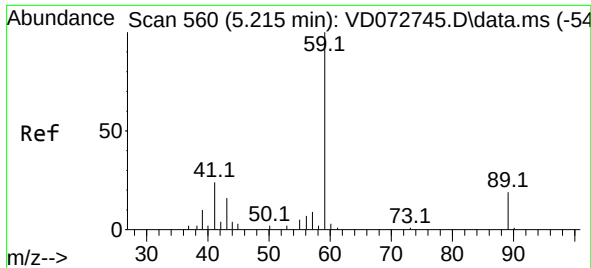
Tgt Ion:168 Resp: 334107
Ion Ratio Lower Upper
168 100
99 60.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 94 Resp: 1405
Ion Ratio Lower Upper
94 100
96 68.3 77.6 116.4#

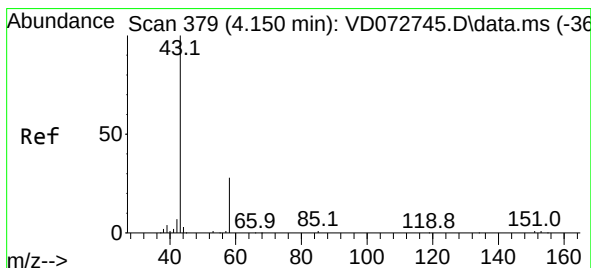
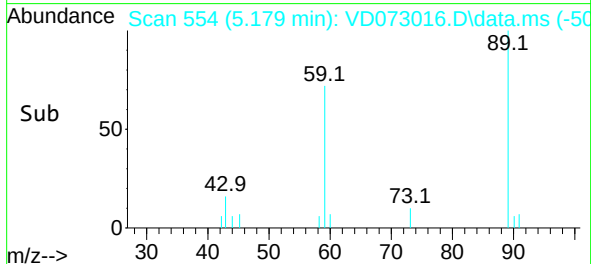
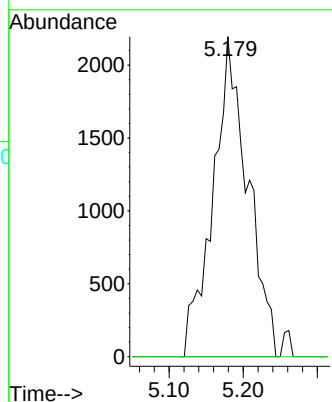
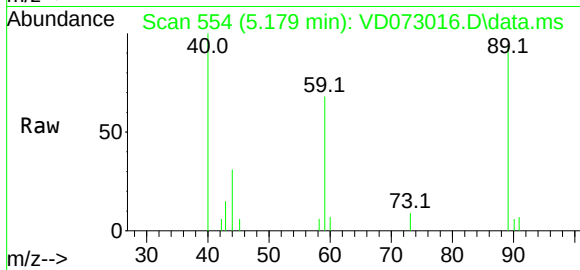




#11
Tert butyl alcohol
Concen: 19.036 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

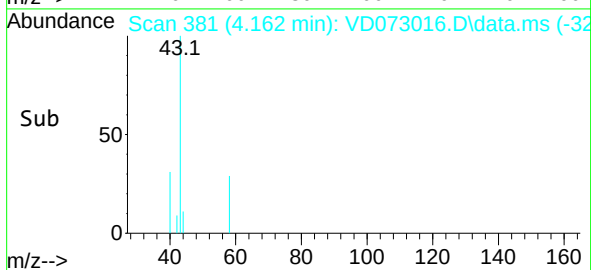
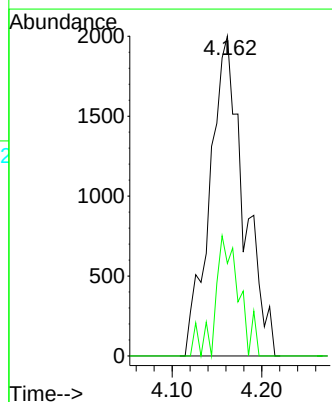
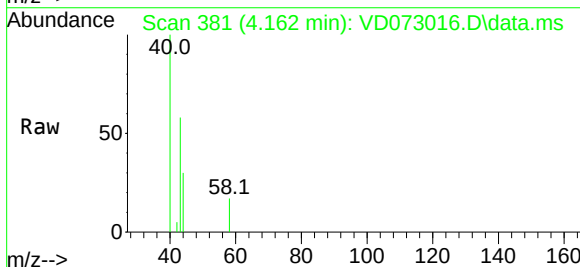
Instrument :
MSVOA_D
ClientSampleId :
SC-2

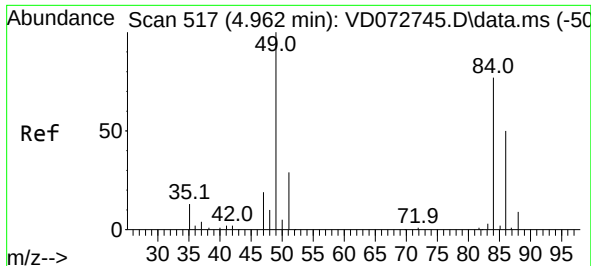
Tgt Ion: 59 Resp: 7143
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 43 Resp: 5252
Ion Ratio Lower Upper
43 100
58 28.9 22.1 33.1



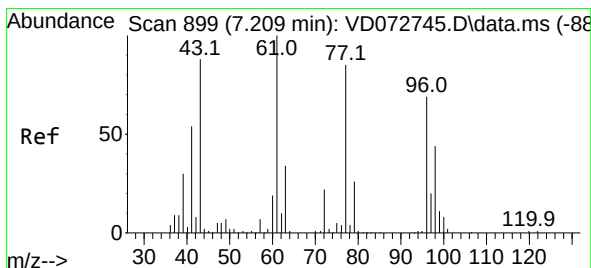
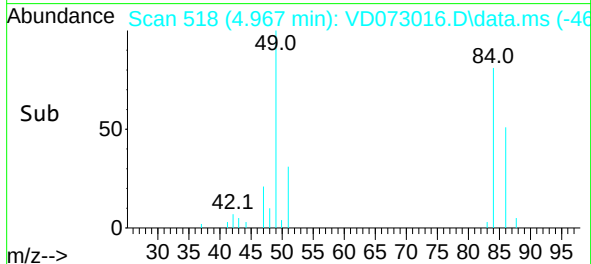
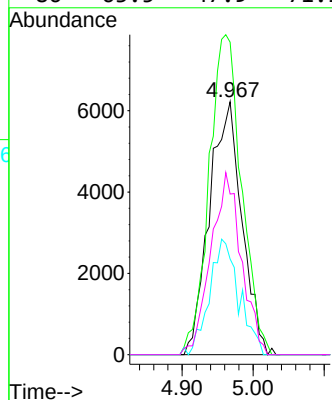
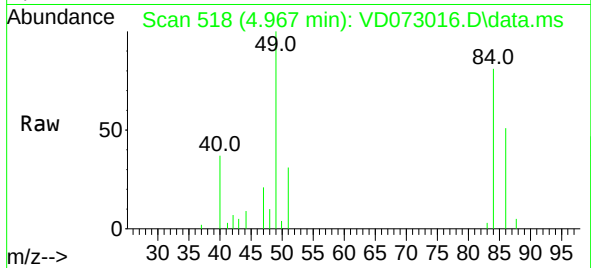


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Instrument :
MSVOA_D
ClientSampleId :
SC-2

Tgt Ion: 84 Resp: 19766

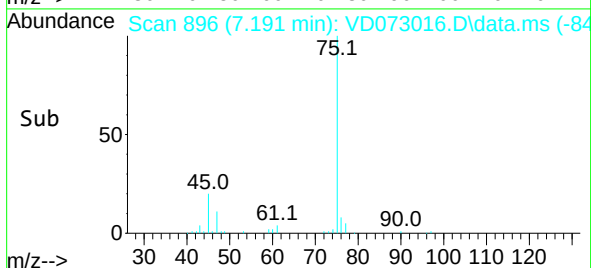
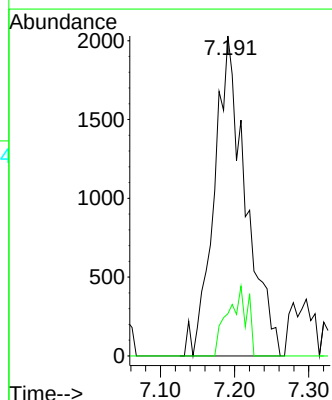
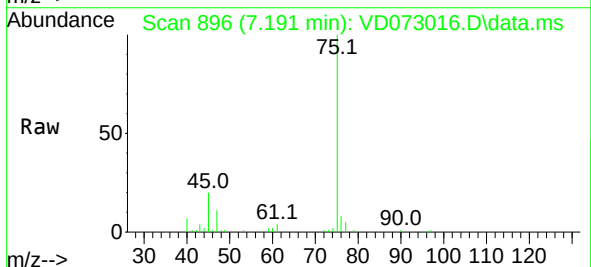
Ion	Ratio	Lower	Upper
84	100		
49	123.6	112.8	169.2
51	37.8	32.6	48.8
86	63.5	47.9	71.9

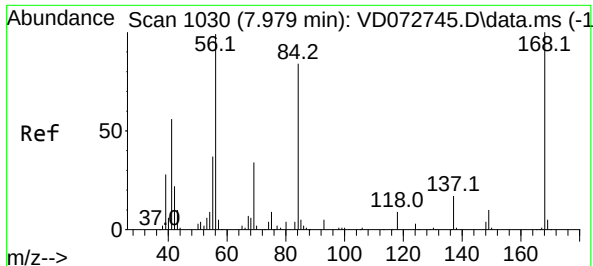


#25
2-Butanone
Concen: 4.738 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 43 Resp: 5987

Ion	Ratio	Lower	Upper
43	100		
72	13.2	18.6	27.8#





#31

Cyclohexane

Concen: 1.300 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073016.D

Acq: 14 May 2022 04:50

Instrument :

MSVOA_D

ClientSampleId :

SC-2

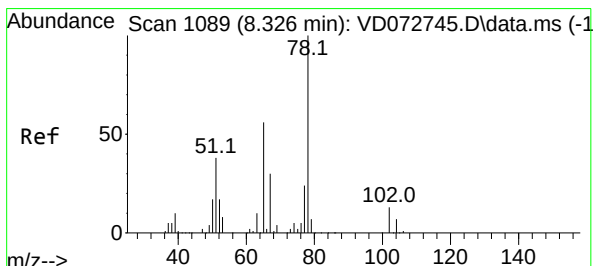
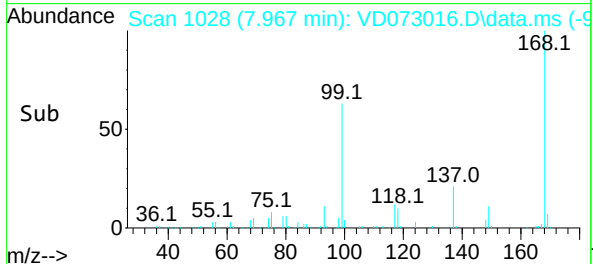
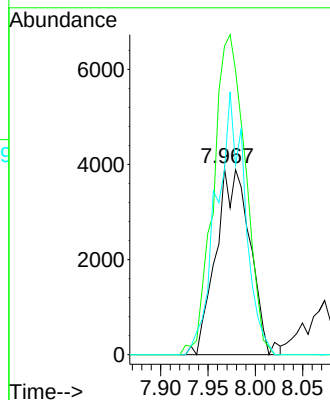
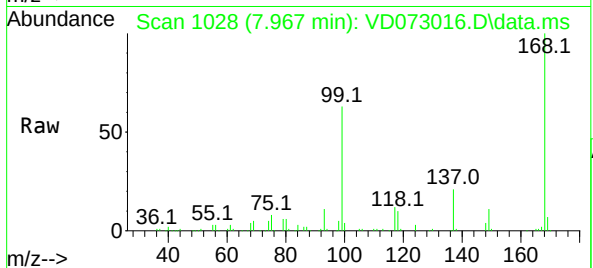
Tgt Ion: 56 Resp: 9854

Ion Ratio Lower Upper

56 100

69 165.4 25.4 38.2#

84 99.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 42.259 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073016.D

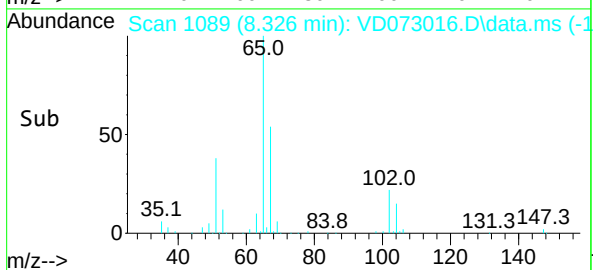
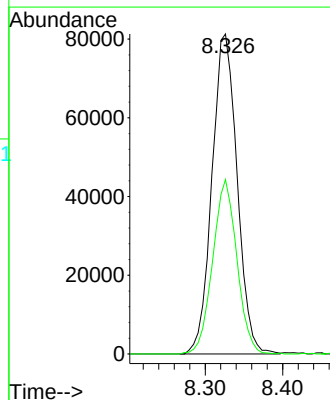
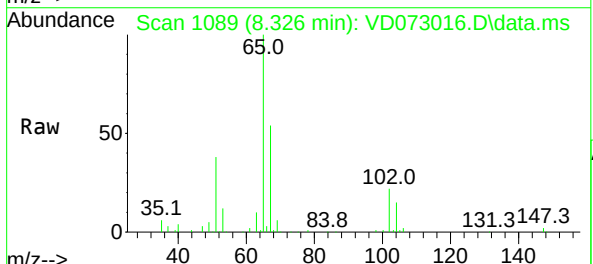
Acq: 14 May 2022 04:50

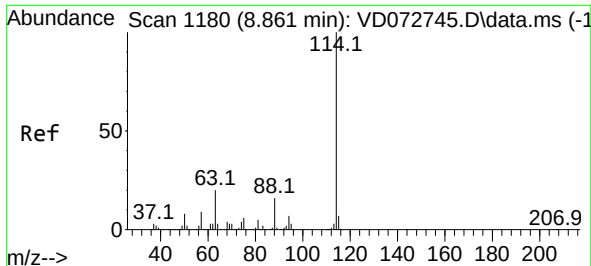
Tgt Ion: 65 Resp: 183277

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4

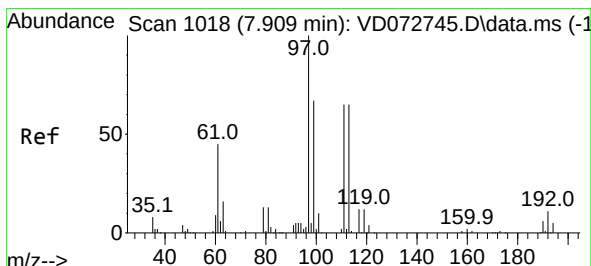
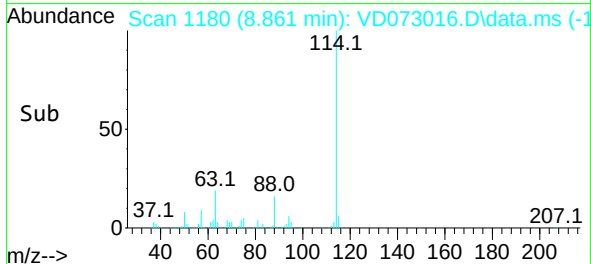
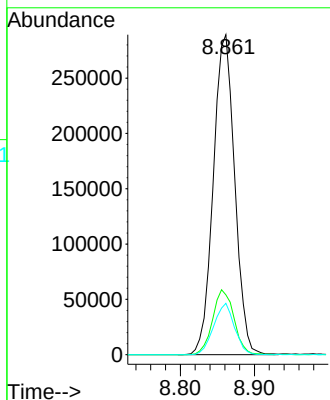
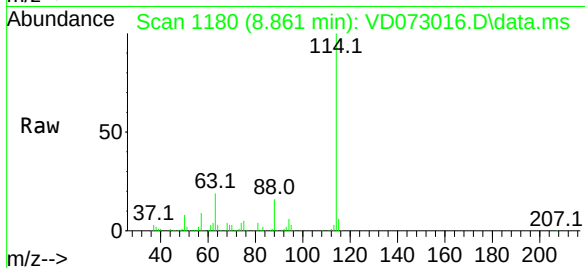




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

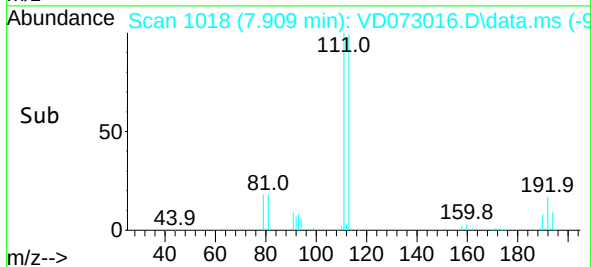
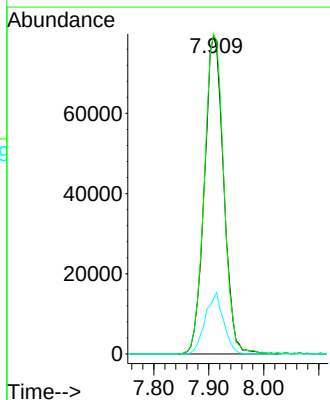
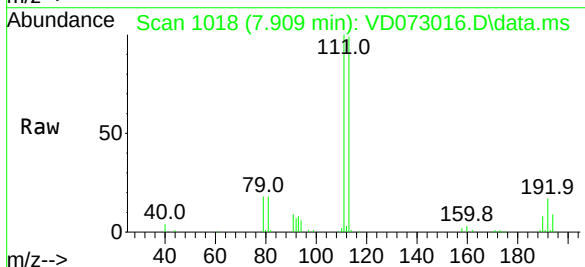
Instrument :
MSVOA_D
ClientSampleId :
SC-2

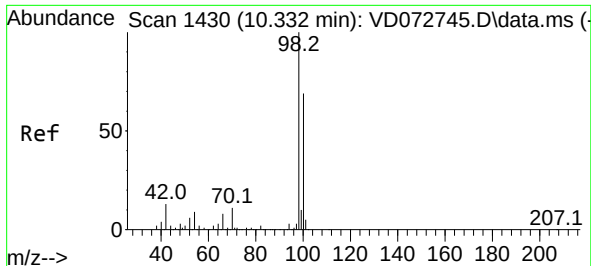
Tgt Ion:114 Resp: 581273
Ion Ratio Lower Upper
114 100
63 18.7 0.0 46.6
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.215 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion:113 Resp: 192749
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.4 14.6 21.8

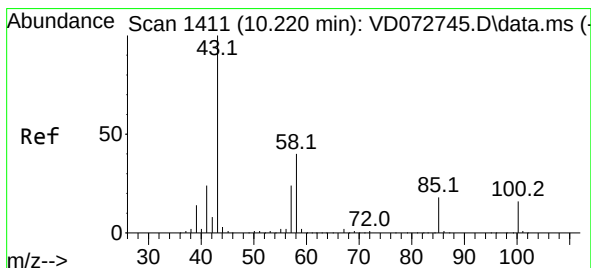
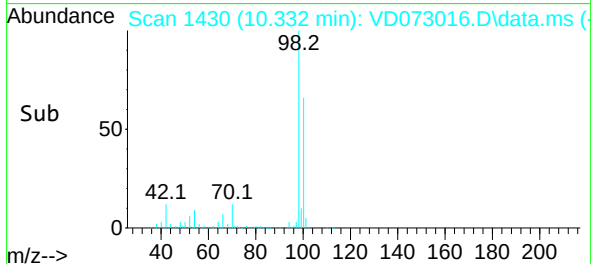
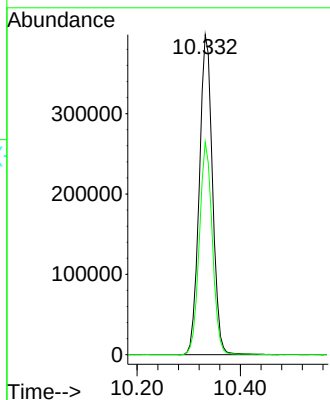
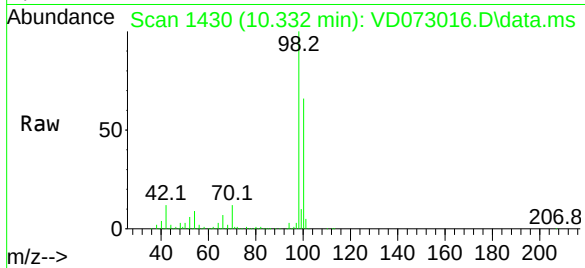




#50
Toluene-d8
Concen: 48.132 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

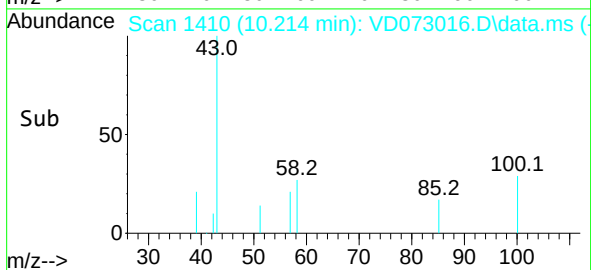
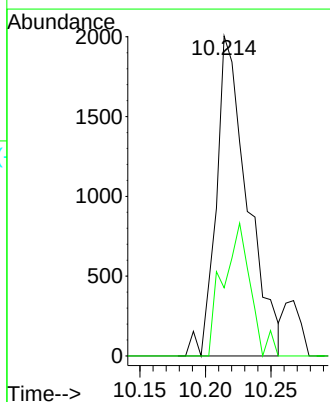
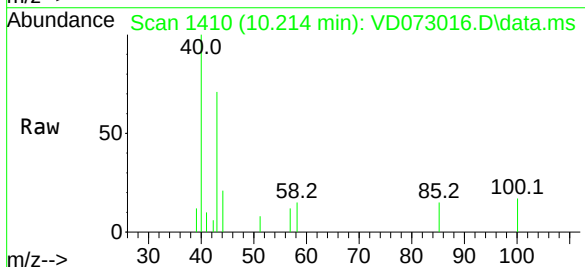
Instrument :
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ClientSampleId :
SC-2

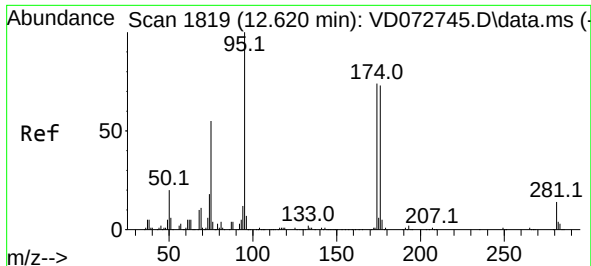
Tgt Ion: 98 Resp: 704829
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.136 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0

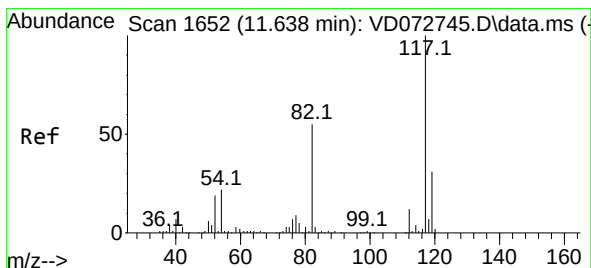
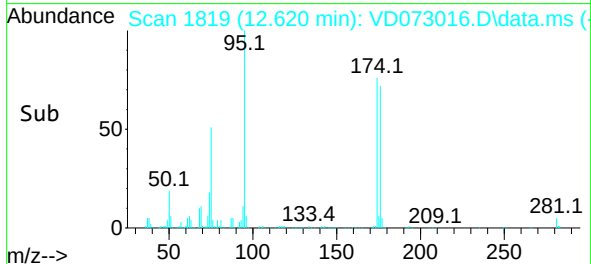
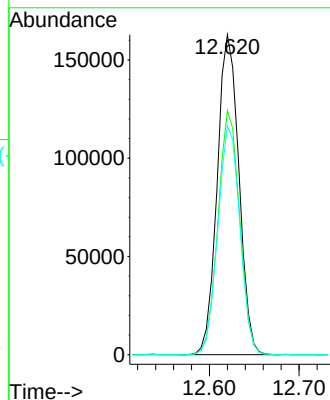
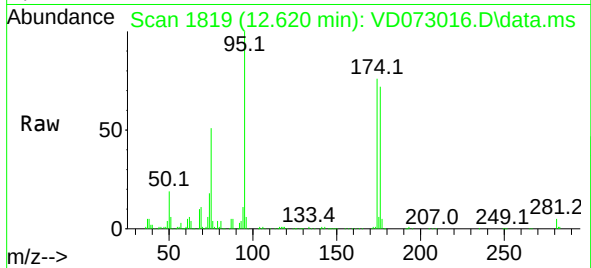




#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

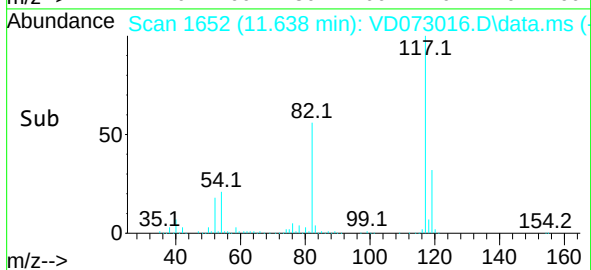
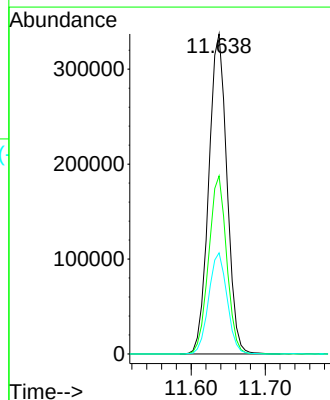
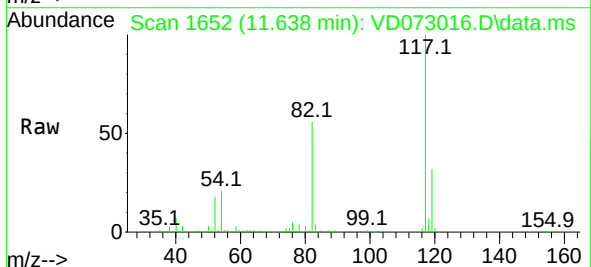
Instrument :
MSVOA_D
ClientSampleId :
SC-2

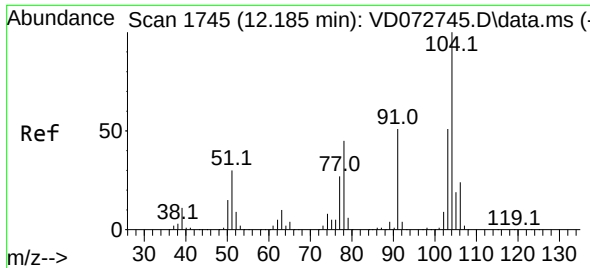
Tgt Ion: 95 Resp: 273256
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 117 Resp: 574306
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.6 26.6 40.0

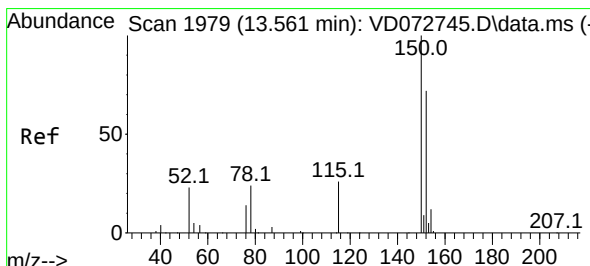
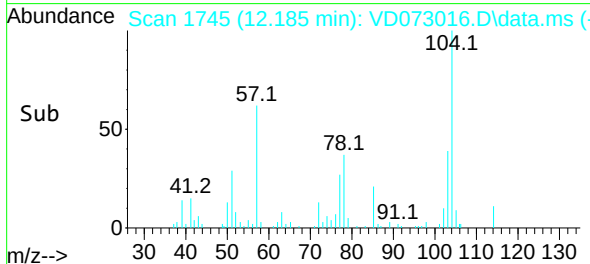
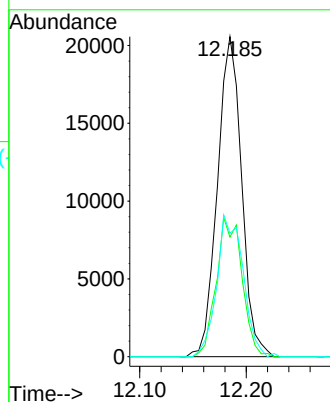
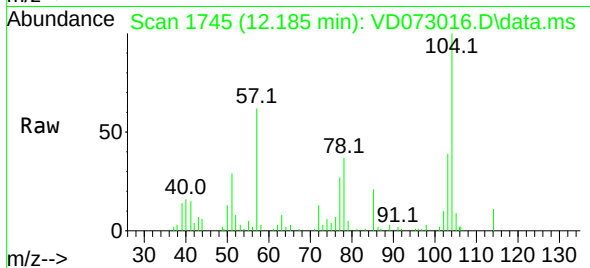




#70
Styrene
Concen: 2.261 ug/l
RT: 12.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

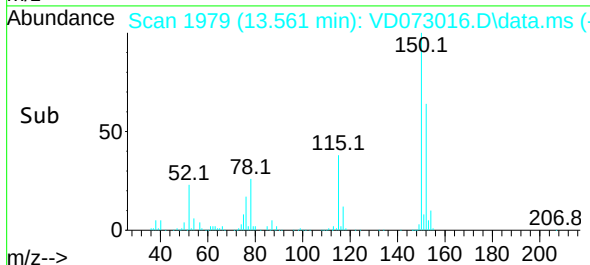
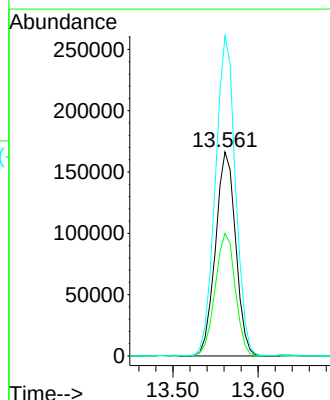
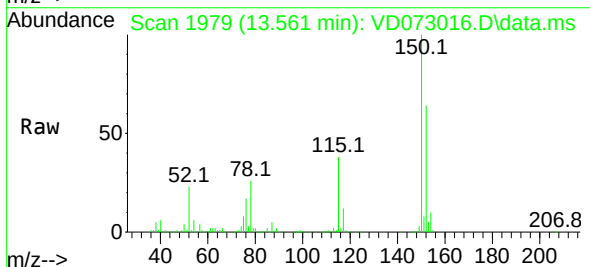
Instrument :
MSVOA_D
ClientSampleId :
SC-2

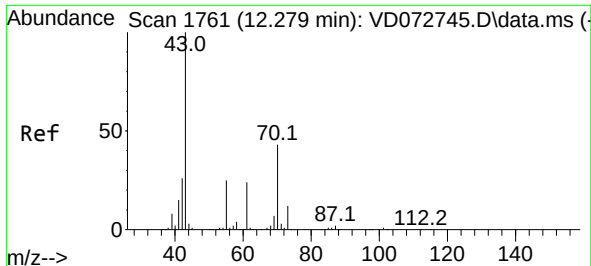
Tgt Ion:104 Resp: 32392
Ion Ratio Lower Upper
104 100
78 46.1 41.8 62.8
103 48.2 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion:152 Resp: 273536
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 156.3 0.0 348.6

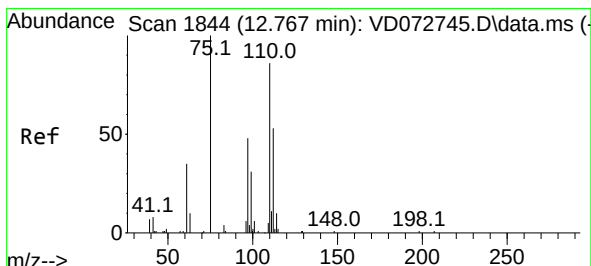
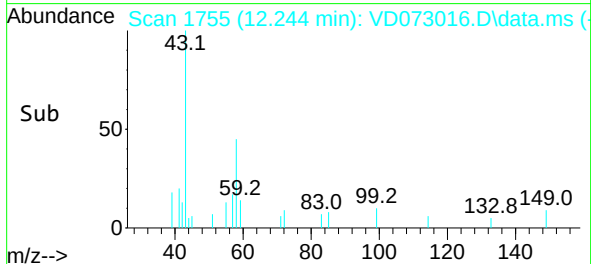
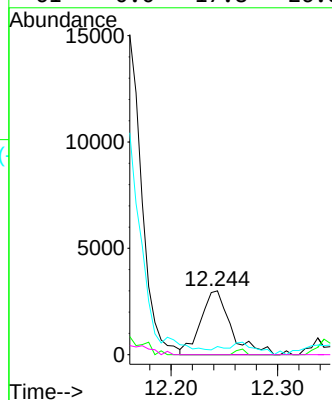
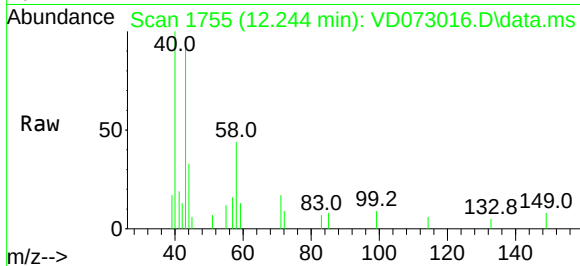




#74
N-amy1 acetate
Concen: 1.108 ug/l
RT: 12.244 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

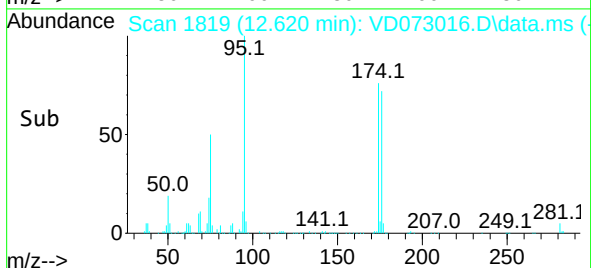
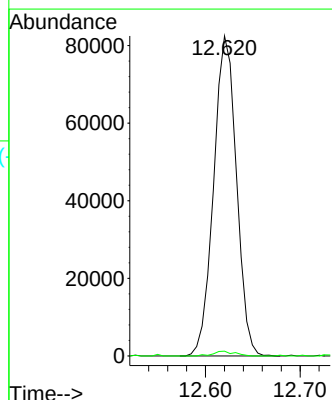
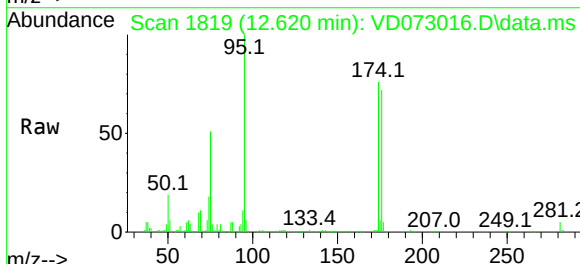
Instrument :
MSVOA_D
ClientSampleId :
SC-2

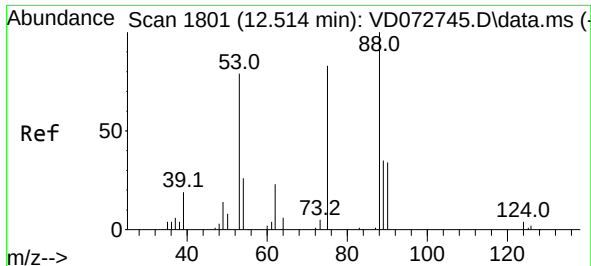
Tgt Ion: 43	Resp: 5873
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 45.253 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 75	Resp: 138026
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

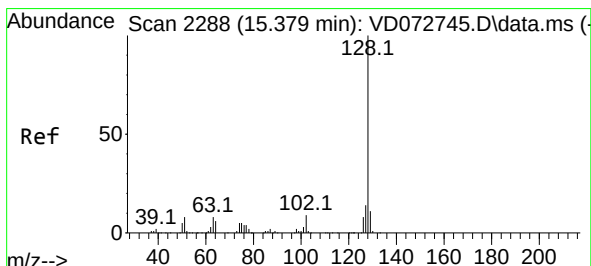
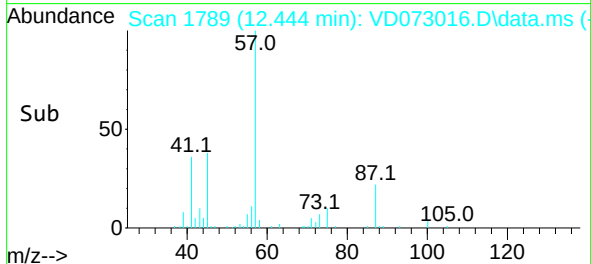
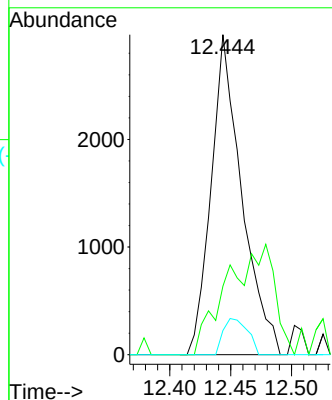
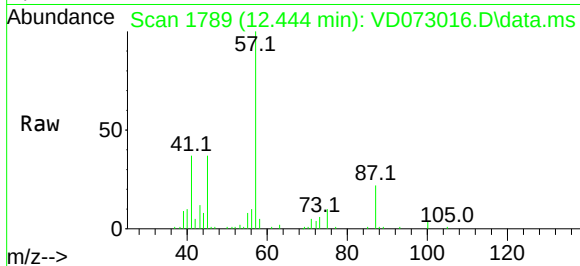




#81
trans-1,4-Dichloro-2-butene
Concen: 3.924 ug/l
RT: 12.444 min Scan# 1789
Delta R.T. -0.070 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Instrument :
MSVOA_D
ClientSampleId :
SC-2

Tgt Ion: 75 Resp: 5205
Ion Ratio Lower Upper
75 100
53 26.0 86.5 129.7#
89 9.0 33.9 50.9#



#95
Naphthalene
Concen: 1.060 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073016.D
Acq: 14 May 2022 04:50

Tgt Ion: 128 Resp: 10242
Ion Ratio Lower Upper
128 100
127 16.1 10.3 15.5#
129 11.8 8.4 12.6

