

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072297.D
 Acq On : 18 Mar 2022 18:39
 Operator : VA/SY
 Sample : N1962-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-16-15-16

Quant Time: Mar 19 05:27:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

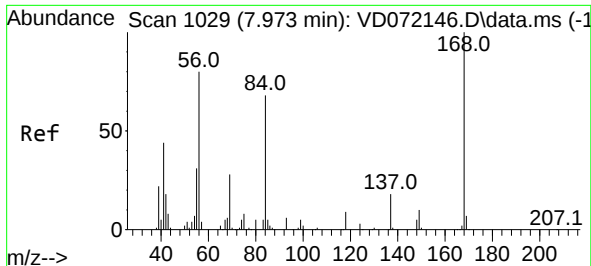
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	77632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	129960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	161779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	83055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	65805	76.061	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.120%			
35) Dibromofluoromethane	7.908	113	53584	58.591	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.180%			
50) Toluene-d8	10.338	98	163986	49.039	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.620	95	75959	58.460	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.920%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	816	2.035	ug/l	99
10) Methyl Iodide	4.303	142	140	2.395	ug/l #	30
16) Acetone	4.167	43	11703	62.301	ug/l	92
17) Carbon Disulfide	4.403	76	1709	2.497	ug/l #	74
20) Methylene Chloride	4.944	84	1593	Below Cal	#	67
25) 2-Butanone	7.203	43	1477	5.897	ug/l #	52
31) Cyclohexane	7.961	56	1844	1.364	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	7191	5.605	ug/l #	53
37) Ethyl Acetate	7.203	43	1477	2.628	ug/l #	72
38) Carbon Tetrachloride	7.973	117	8954	6.140	ug/l #	24
40) Benzene	8.338	78	3898	1.065	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	38482	42.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	38482	104.214	ug/l #	7
95) Naphthalene	15.384	128	1170067	378.761	ug/l	100

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

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Response via : Initial Calibration

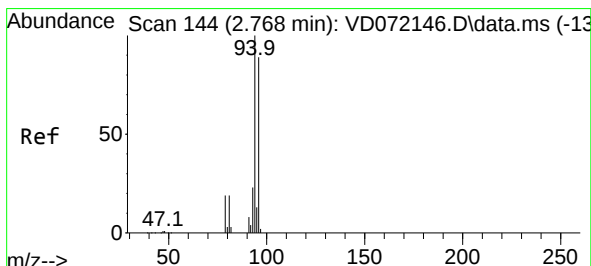
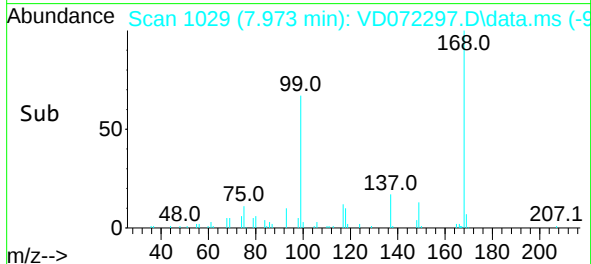
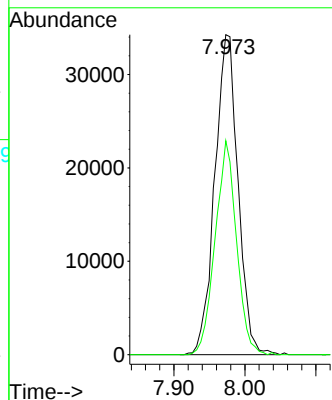
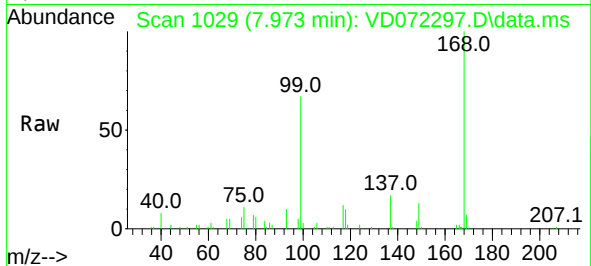




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

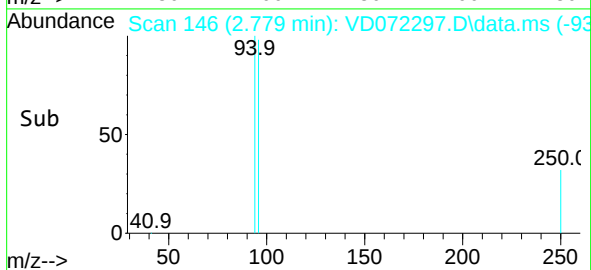
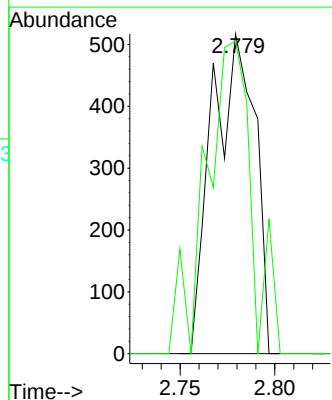
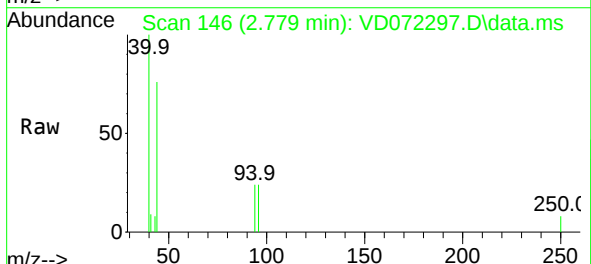
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

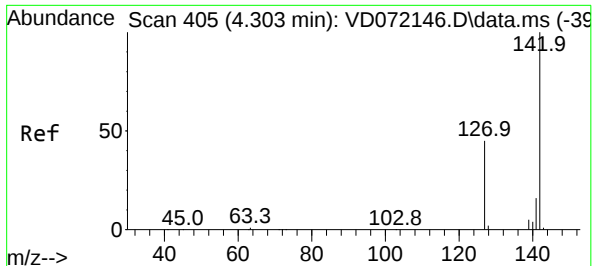
Tgt Ion:168 Resp: 77632
Ion Ratio Lower Upper
168 100
99 66.8 49.8 74.6



#5
Bromomethane
Concen: 2.035 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 94 Resp: 816
Ion Ratio Lower Upper
94 100
96 97.7 77.6 116.4

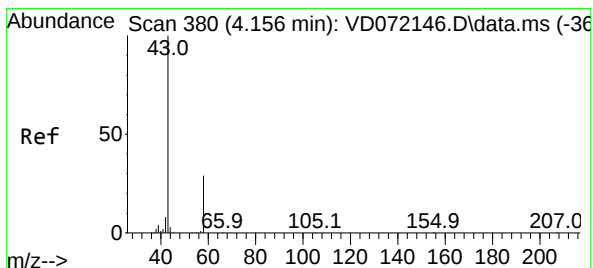
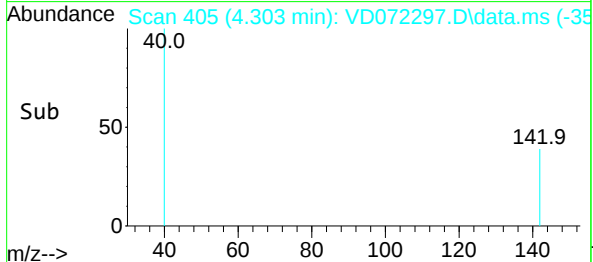
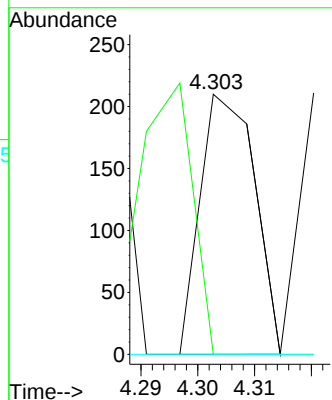
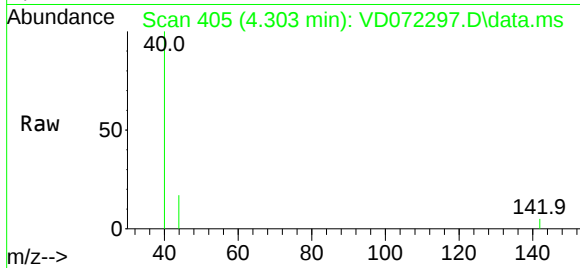




#10
Methyl Iodide
Concen: 2.395 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

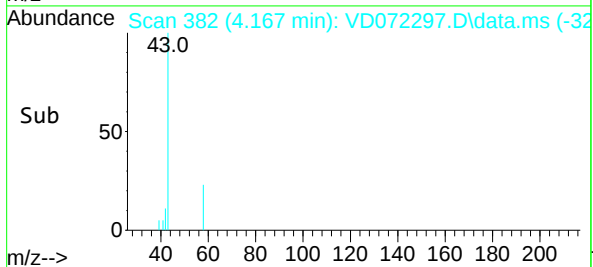
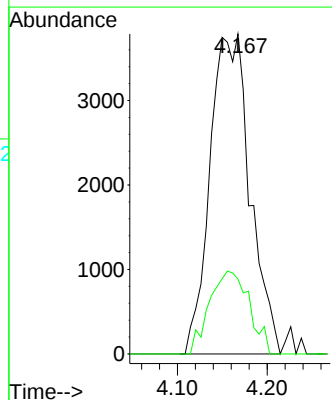
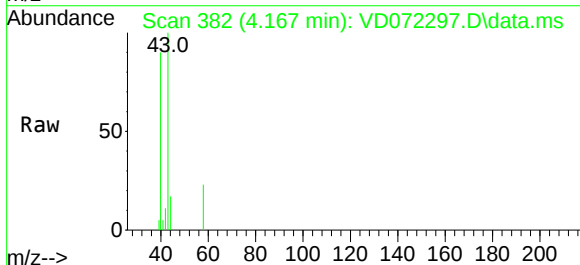
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

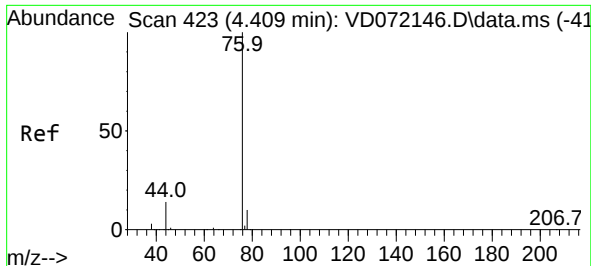
Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 100.7 37.3 55.9#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 62.301 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 43 Resp: 11703
Ion Ratio Lower Upper
43 100
58 23.4 22.1 33.1

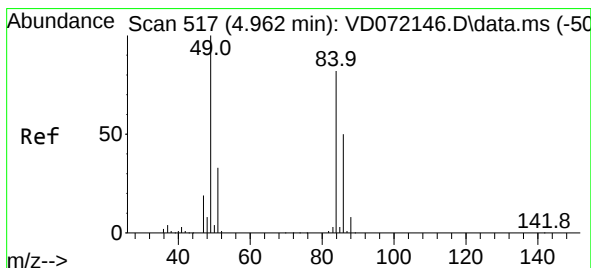
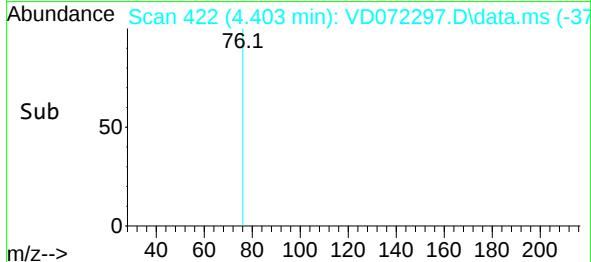
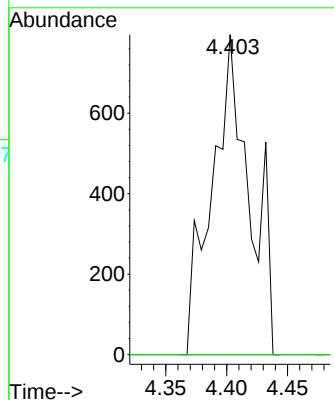
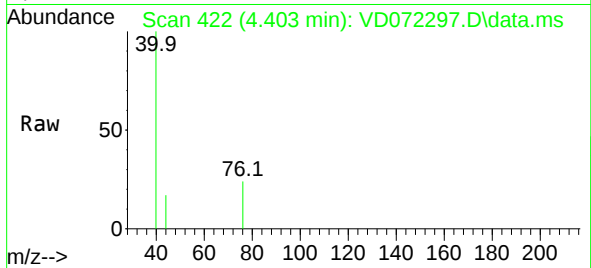




#17
Carbon Disulfide
Concen: 2.497 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

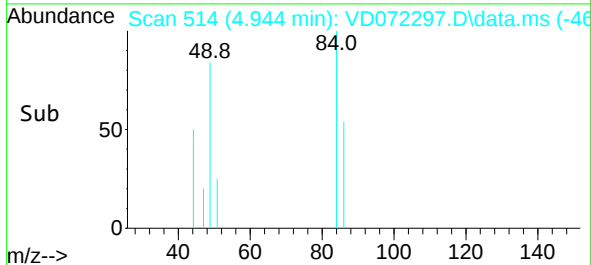
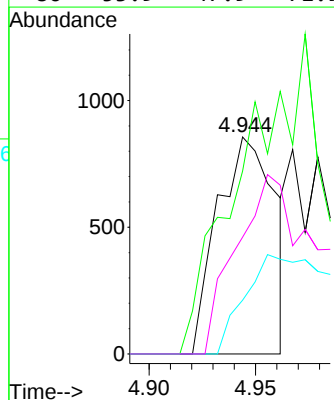
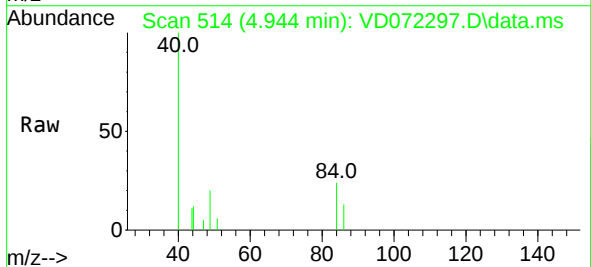
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

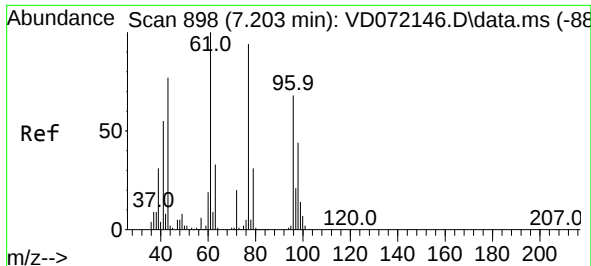
Tgt Ion: 76 Resp: 1709
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

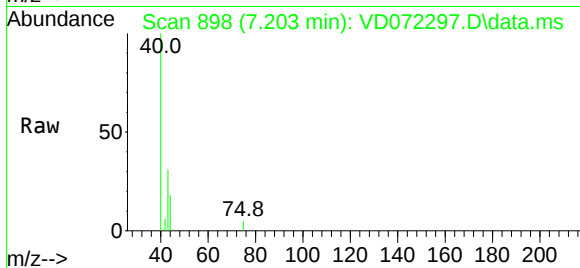
Tgt Ion: 84 Resp: 1593
Ion Ratio Lower Upper
84 100
49 84.3 112.8 169.2#
51 24.8 32.6 48.8#
86 53.9 47.9 71.9



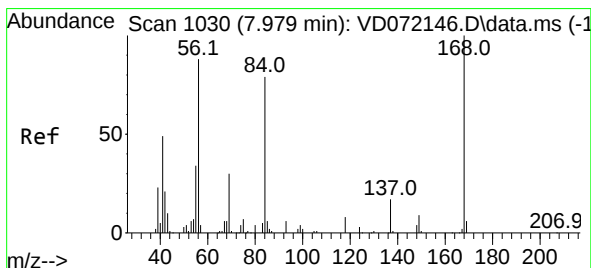
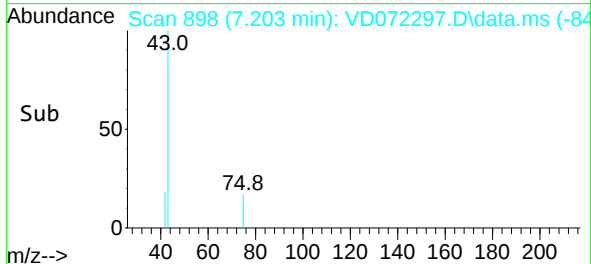
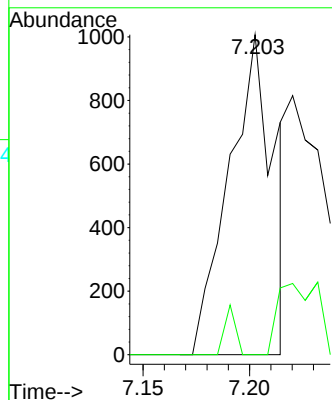


#25
2-Butanone
Concen: 5.897 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

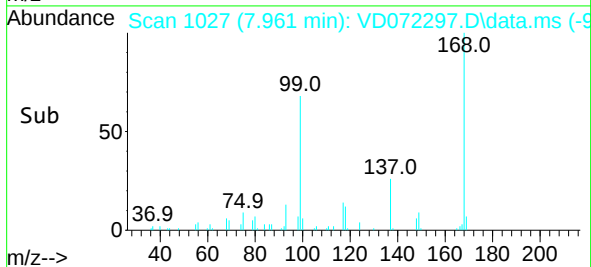
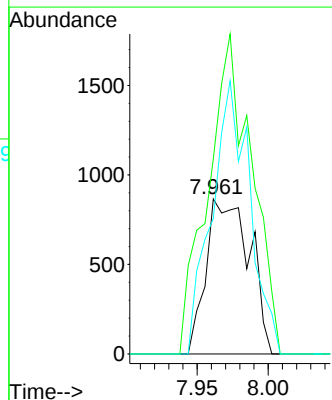
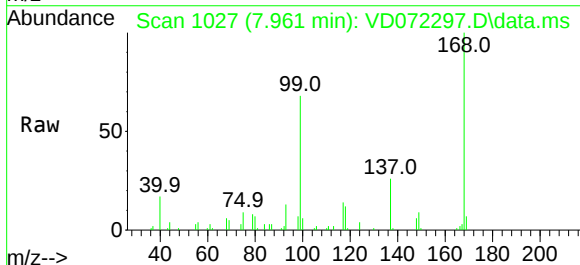


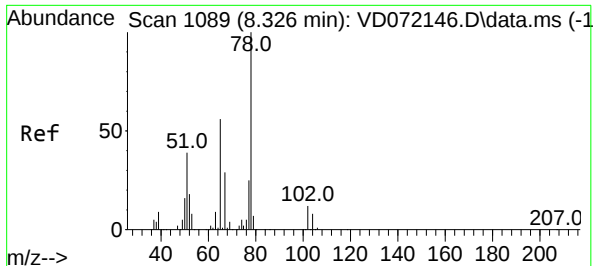
Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 56 Resp: 1844
Ion Ratio Lower Upper
56 100
69 126.0 25.4 38.2#
84 87.4 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 76.061 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072297.D

Acq: 18 Mar 2022 18:39

Instrument :

MSVOA_D

ClientSampleId :

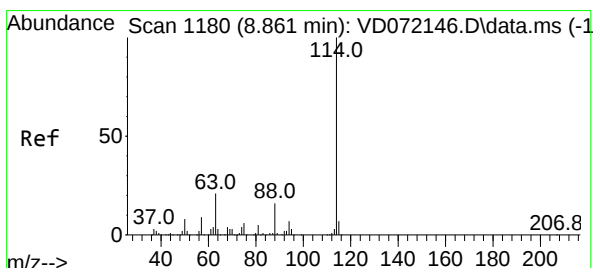
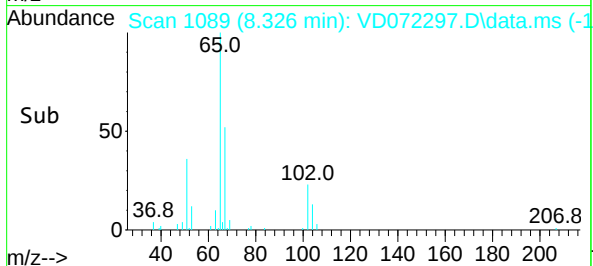
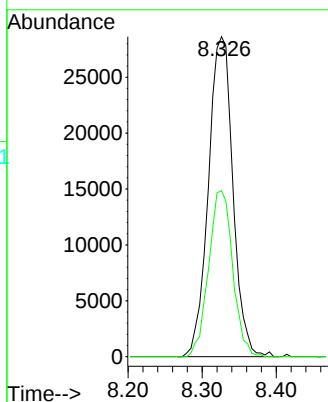
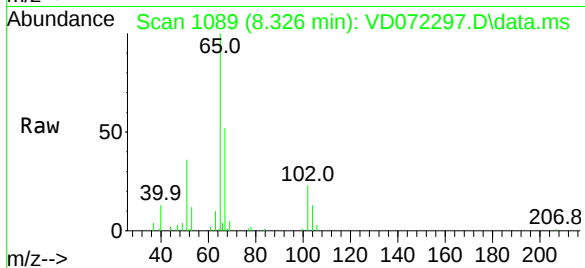
C-16-15-16

Tgt Ion: 65 Resp: 65805

Ion Ratio Lower Upper

65 100

67 50.9 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: VD072297.D

Acq: 18 Mar 2022 18:39

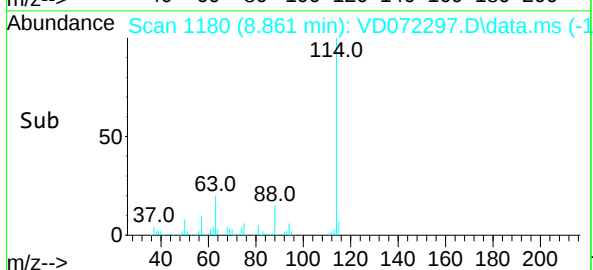
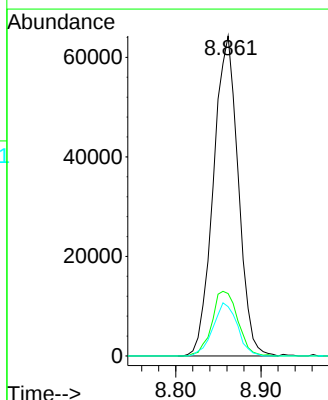
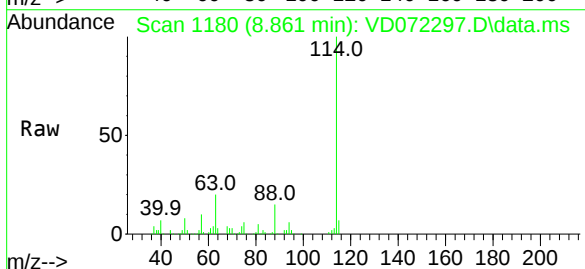
Tgt Ion: 114 Resp: 129960

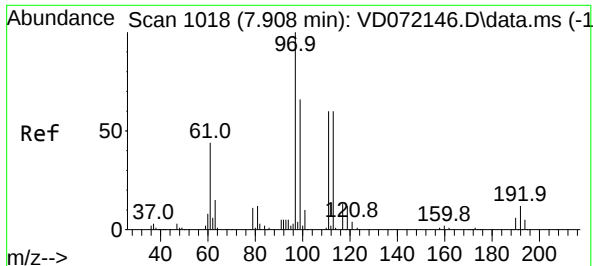
Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.4 0.0 33.2

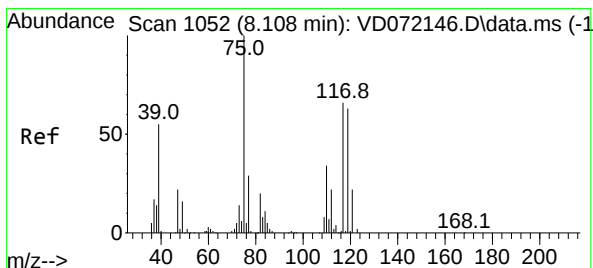
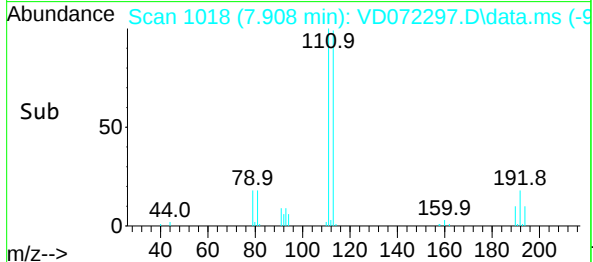
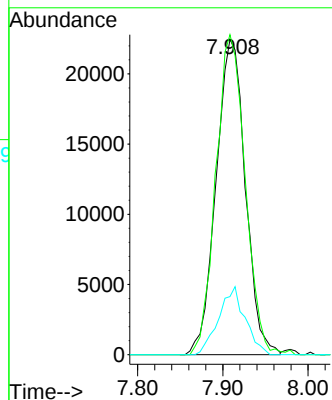
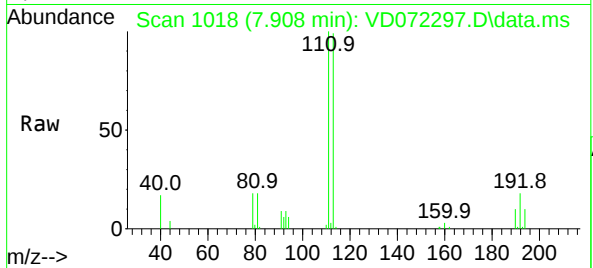




#35
Dibromofluoromethane
Concen: 58.591 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

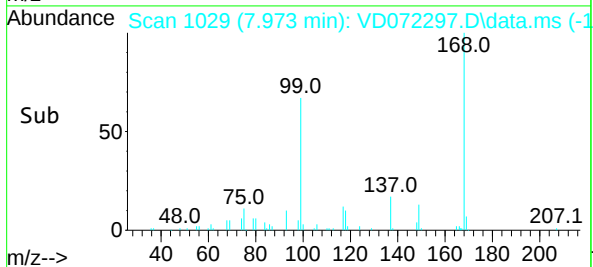
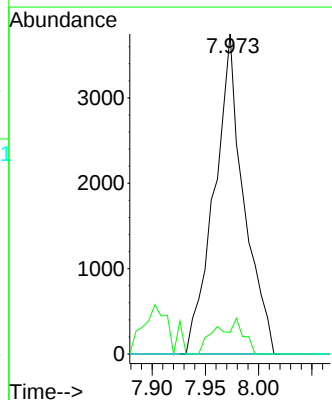
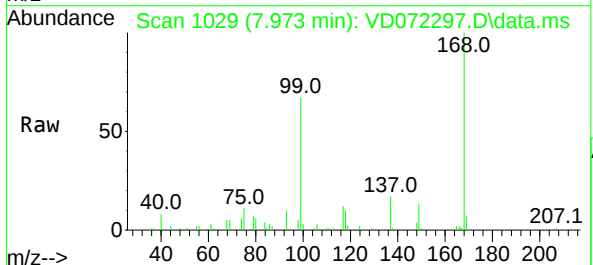
Instrument :
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C-16-15-16

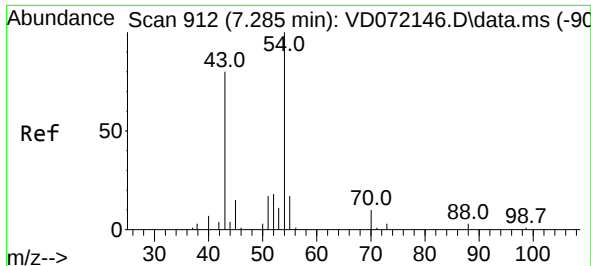
Tgt Ion:113 Resp: 53584
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.6
192 19.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.605 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 75 Resp: 7191
Ion Ratio Lower Upper
75 100
110 10.2 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.628 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.082 min

Lab File: VD072297.D

Acq: 18 Mar 2022 18:39

Instrument :

MSVOA_D

ClientSampleId :

C-16-15-16

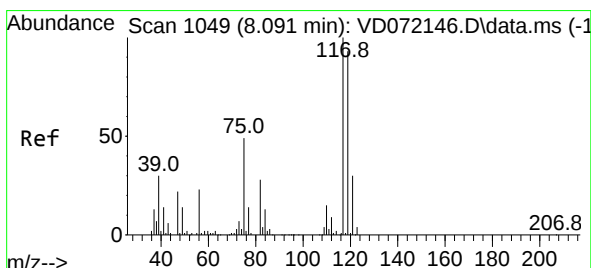
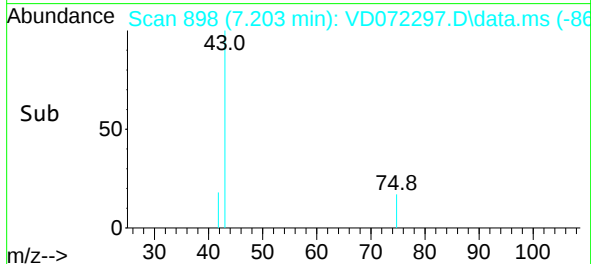
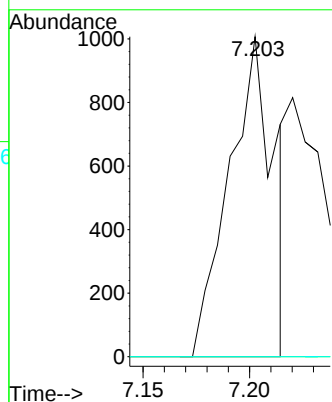
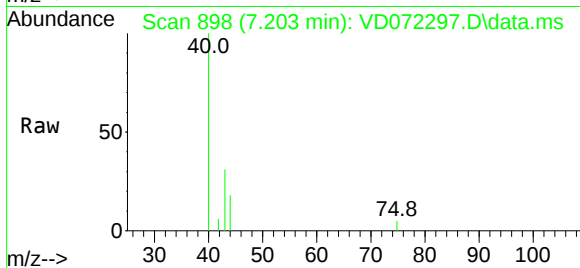
Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 6.140 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072297.D

Acq: 18 Mar 2022 18:39

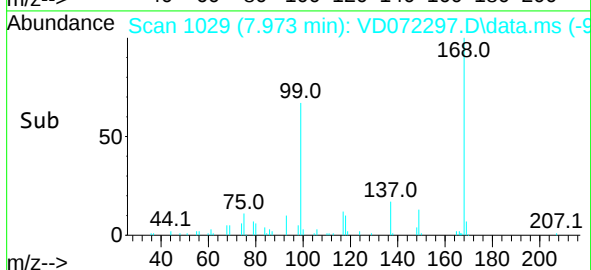
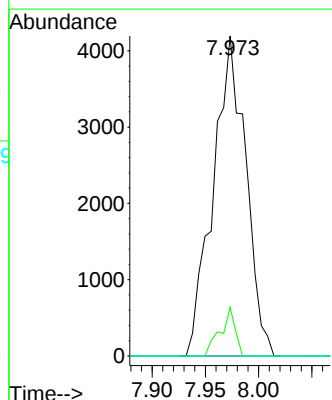
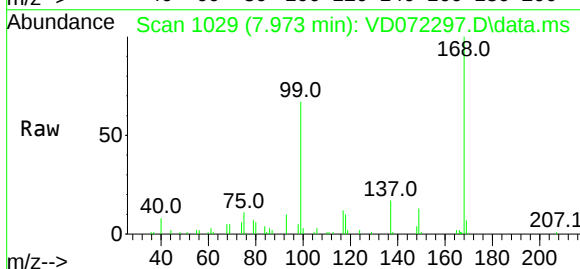
Tgt Ion: 117 Resp: 8954

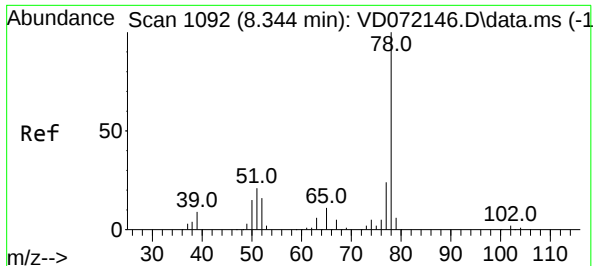
Ion Ratio Lower Upper

117 100

119 15.2 75.8 113.6#

121 0.0 24.5 36.7#

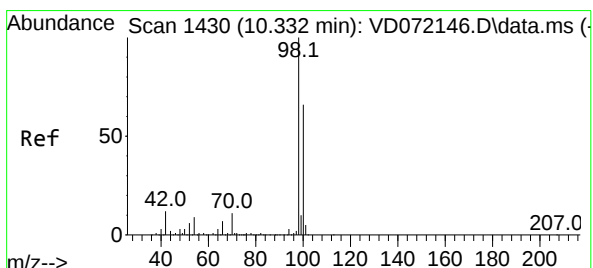
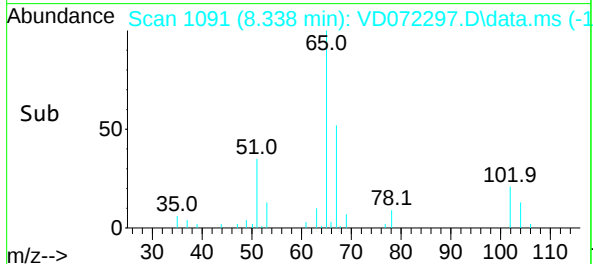
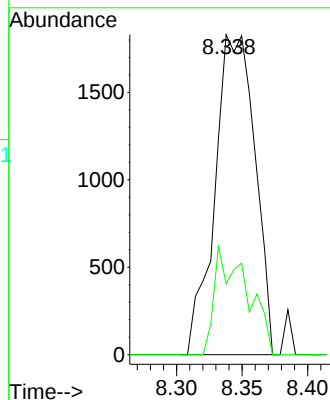
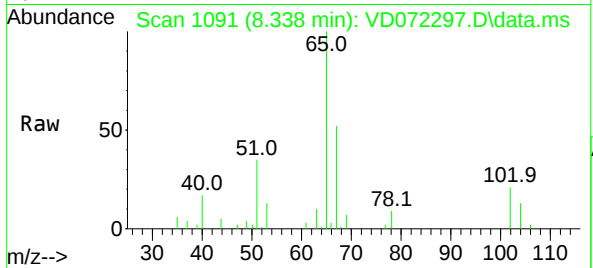




#40
Benzene
Concen: 1.065 ug/l
RT: 8.338 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

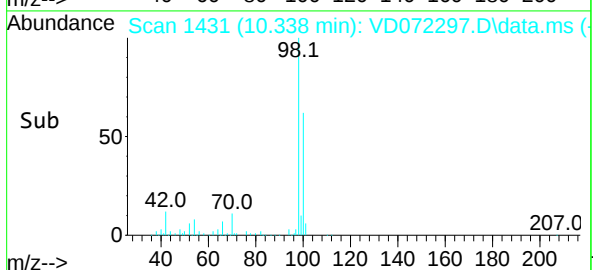
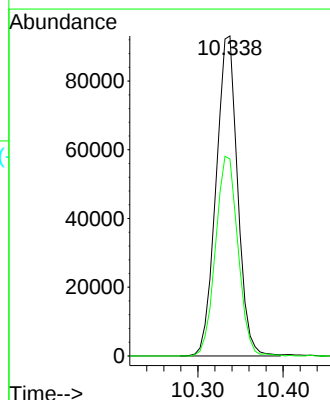
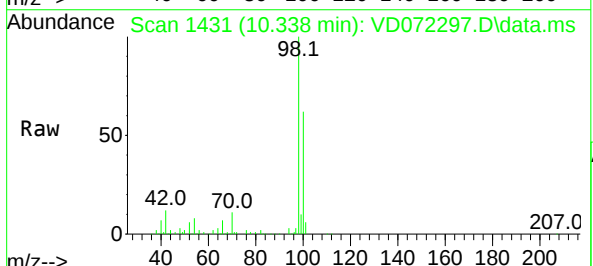
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

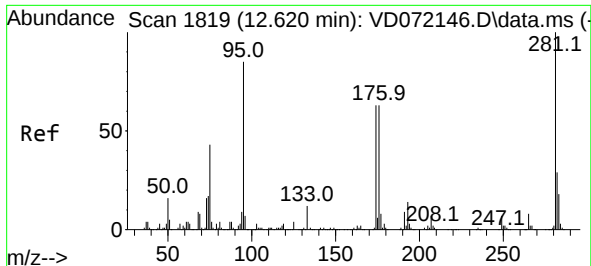
Tgt Ion: 78 Resp: 3898
Ion Ratio Lower Upper
78 100
77 22.2 19.1 28.7



#50
Toluene-d8
Concen: 49.039 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 98 Resp: 163986
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

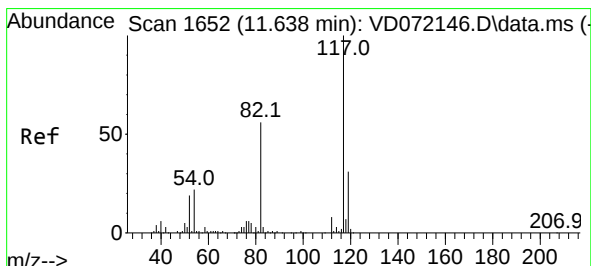
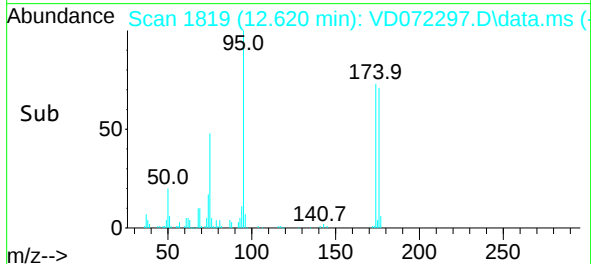
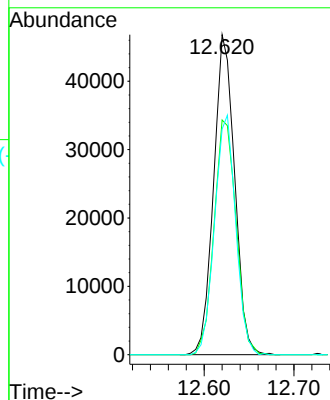
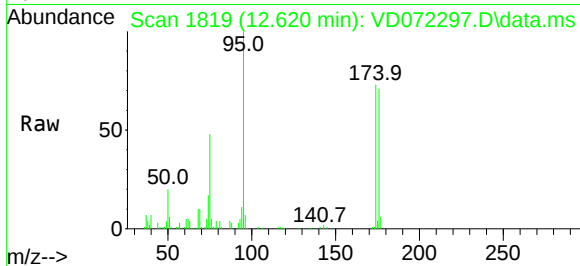




#62
4-Bromofluorobenzene
Concen: 58.460 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

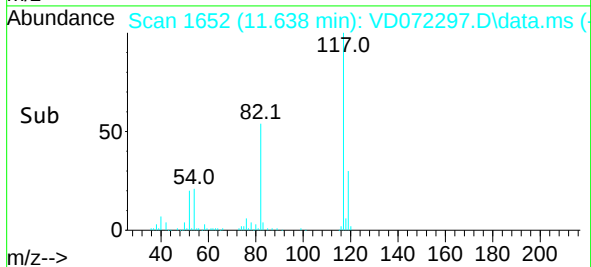
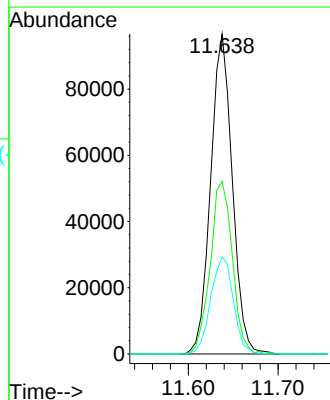
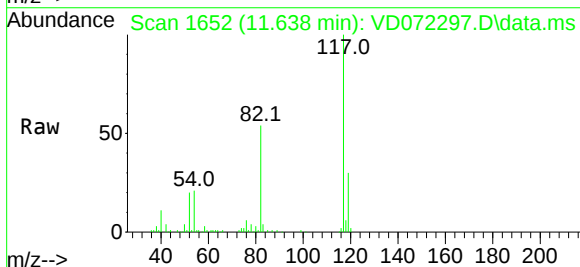
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

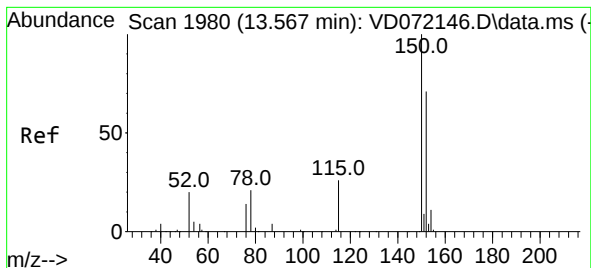
Tgt Ion:	95	Resp:	75959
Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.8
176	75.2	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion:	117	Resp:	161779
Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.3	67.9
119	30.4	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD072297.D

Acq: 18 Mar 2022 18:39

Instrument :

MSVOA_D

ClientSampleId :

C-16-15-16

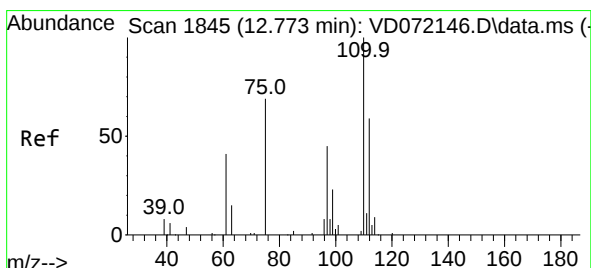
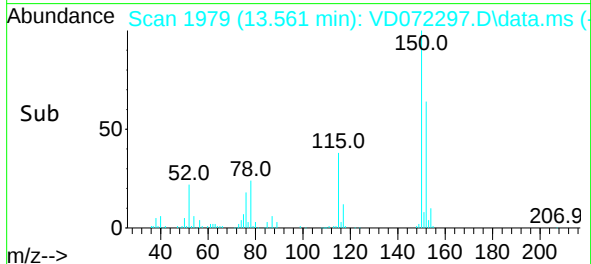
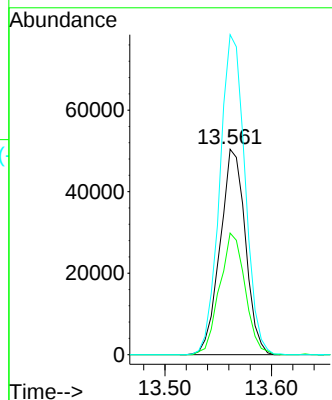
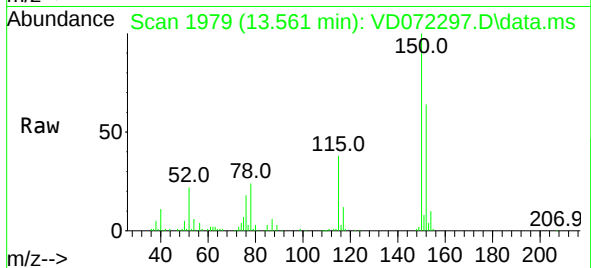
Tgt Ion:152 Resp: 83055

Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 155.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 42.003 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072297.D

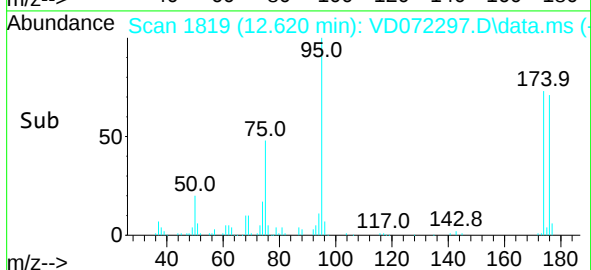
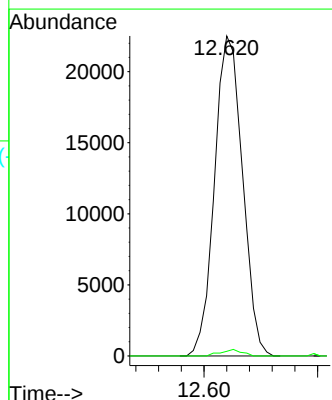
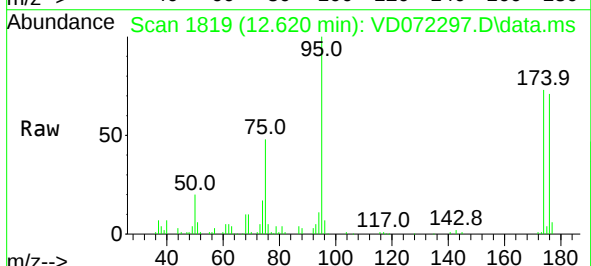
Acq: 18 Mar 2022 18:39

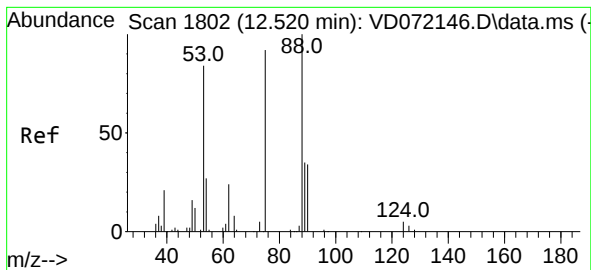
Tgt Ion: 75 Resp: 38482

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

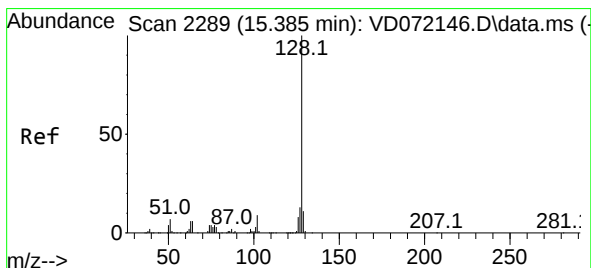
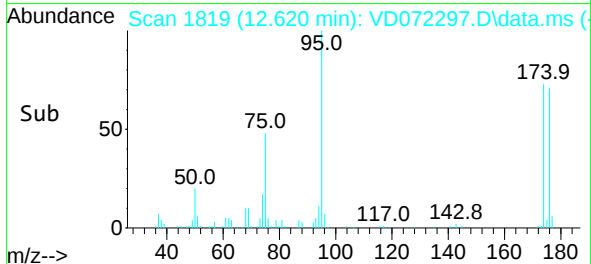
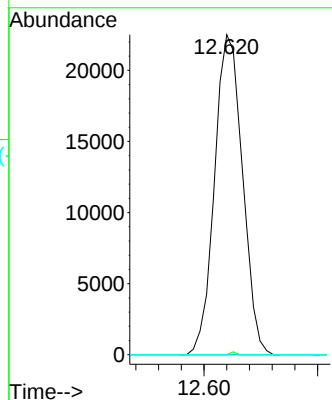
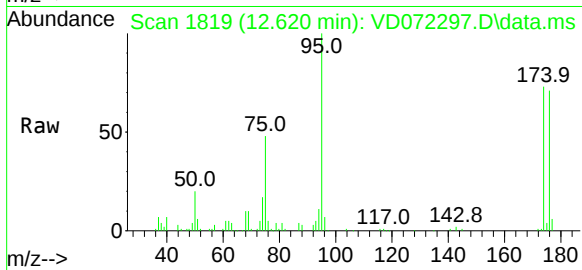




#81
trans-1,4-Dichloro-2-butene
Concen: 104.214 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16

Tgt Ion: 75 Resp: 38482
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 378.761 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072297.D
Acq: 18 Mar 2022 18:39

Tgt Ion: 128 Resp: 1170067
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.4 12.6

