

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071203.D
 Acq On : 08 Dec 2021 14:08
 Operator : VA/SY
 Sample : M4959-04RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1DRE

Quant Time: Dec 09 10:15:45 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

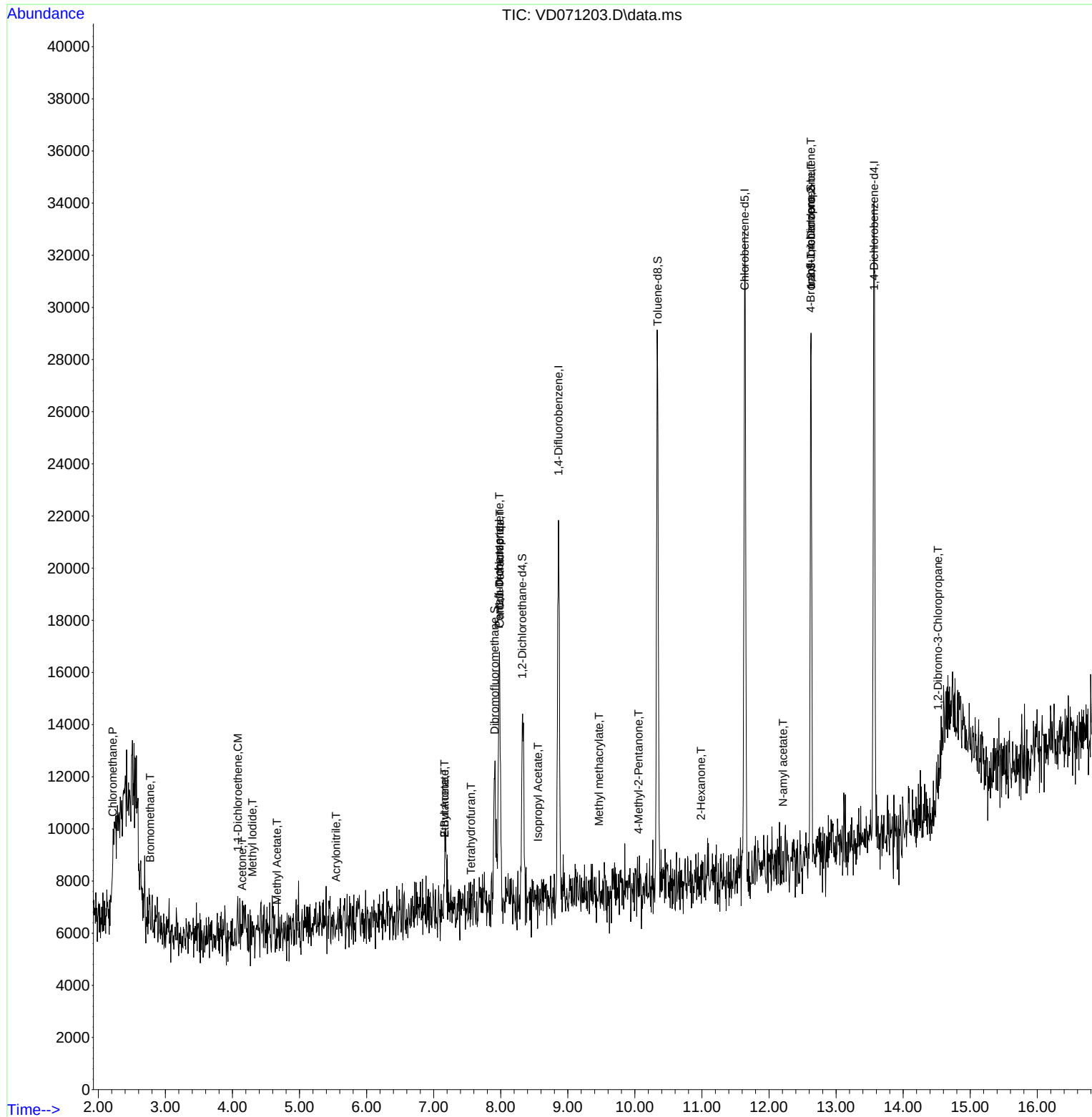
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	6749	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	12407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	12938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	5906	74.579	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.160%	
35) Dibromofluoromethane	7.909	113	4244	53.717	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.440%	
50) Toluene-d8	10.338	98	14916	49.611	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	12.620	95	5983	57.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.820%	
Target Compounds						Qvalue
3) Chloromethane	2.215	50	209	2.745	ug/l #	1
5) Bromomethane	2.774	94	225	3.674	ug/l #	3
10) Methyl Iodide	4.297	142	101	5.724	ug/l #	40
12) 1,1-Dichloroethene	4.079	96	66	1.053	ug/l #	1
15) Acrylonitrile	5.544	53	53	3.493	ug/l #	19
16) Acetone	4.144	43	504	51.811	ug/l #	40
18) Methyl Acetate	4.662	43	67	1.147	ug/l #	51
20) Methylene Chloride	4.968	84	211	Below Cal	#	13
25) 2-Butanone	7.162	43	197	35.550	ug/l #	45
29) Tetrahydrofuran	7.556	42	54	4.294	ug/l #	34
36) 1,1-Dichloropropene	7.979	75	520	4.484	ug/l #	41
37) Ethyl Acetate	7.162	43	197	3.933	ug/l #	66
38) Carbon Tetrachloride	7.985	117	461	4.033	ug/l #	12
41) Methacrylonitrile	7.526	41	70	Below Cal	#	3
43) Isopropyl Acetate	8.556	43	73	5.816	ug/l #	47
48) Methyl methacrylate	9.467	41	169	3.447	ug/l #	36
51) 4-Methyl-2-Pentanone	10.056	43	188	33.572	ug/l #	34
59) 2-Hexanone	10.985	43	146	37.530	ug/l #	22
74) N-amyl acetate	12.208	43	107	6.475	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	3339	56.690	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3339	123.056	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.520	75	66	5.498	ug/l #	4

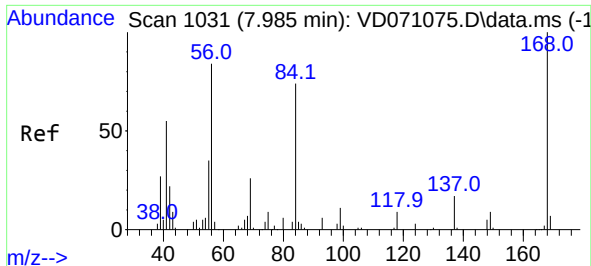
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

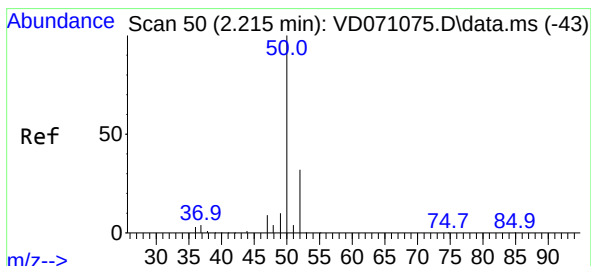
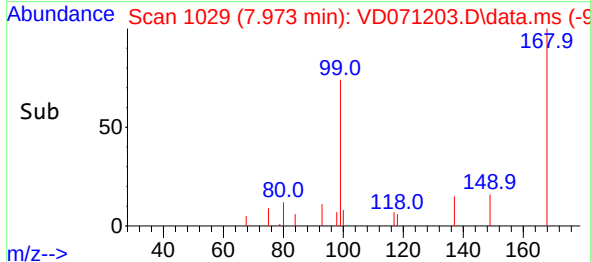
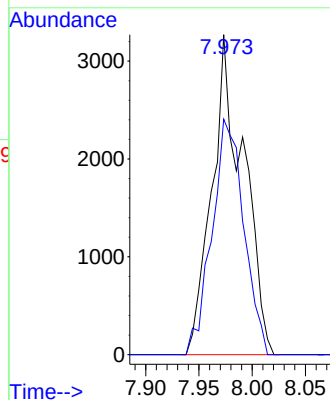
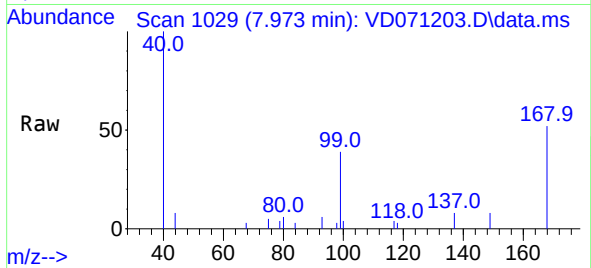




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

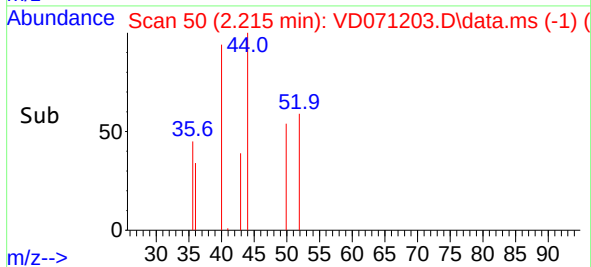
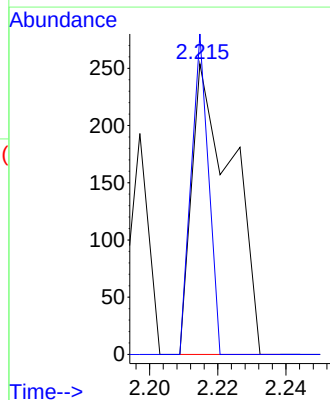
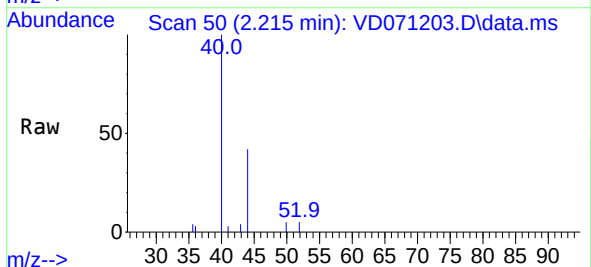
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

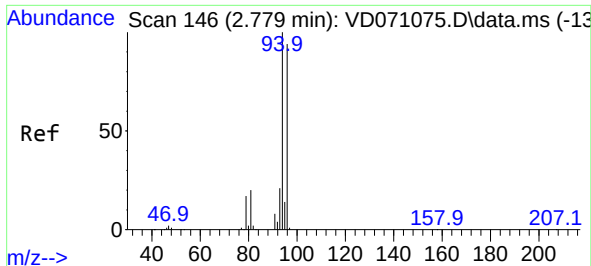
Tgt Ion:168 Resp: 6749
Ion Ratio Lower Upper
168 100
99 73.6 46.6 69.8#



#3
Chloromethane
Concen: 2.745 ug/l
RT: 2.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 50 Resp: 209
Ion Ratio Lower Upper
50 100
52 110.2 25.8 38.8#

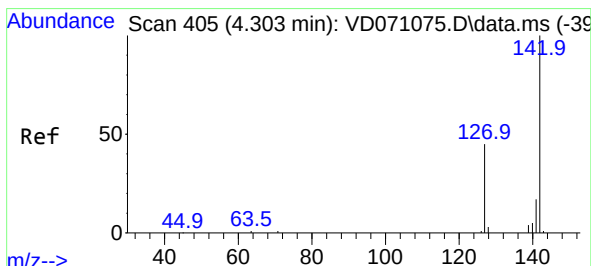
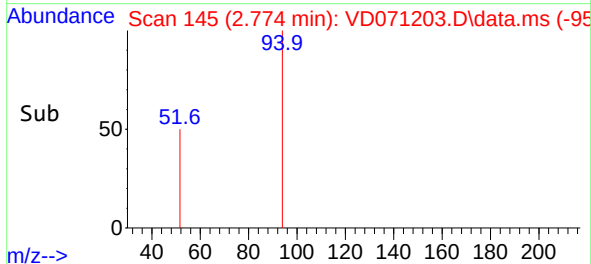
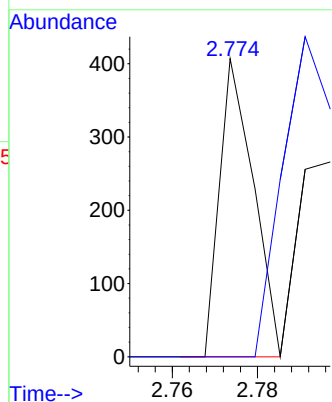
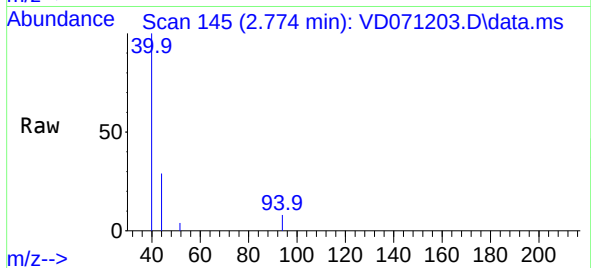




#5
Bromomethane
Concen: 3.674 ug/l
RT: 2.774 min Scan# 146
Delta R.T. -0.005 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

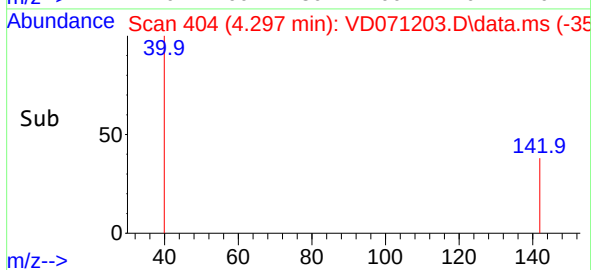
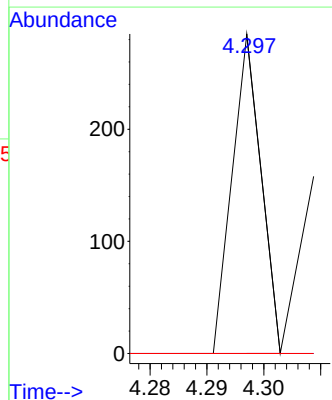
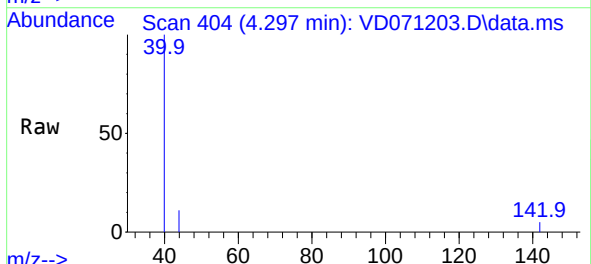
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

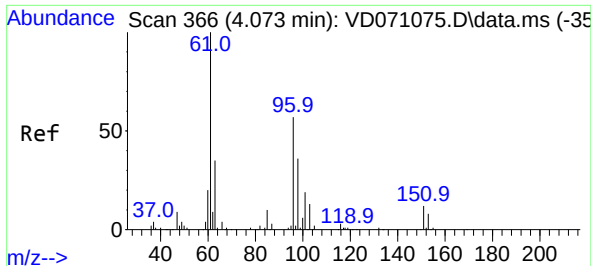
Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#10
Methyl Iodide
Concen: 5.724 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 142 Resp: 101
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#12

1,1-Dichloroethene

Concen: 1.053 ug/l

RT: 4.079 min Scan# 3

Delta R.T. 0.006 min

Lab File: VD071203.D

Acq: 08 Dec 2021 14:08

Instrument :

MSVOA_D

ClientSampleId :

TP-1DRE

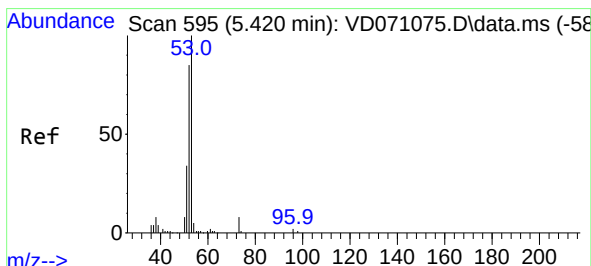
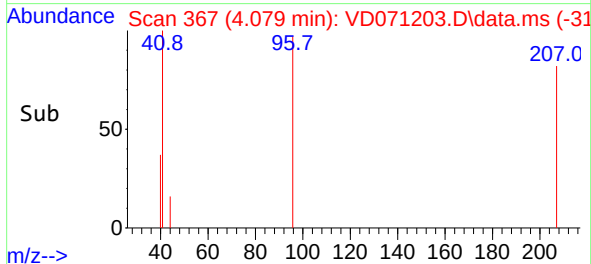
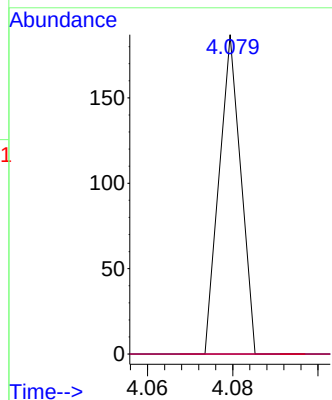
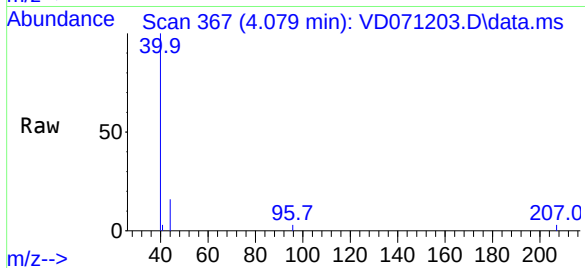
Tgt Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 120.3 180.5#

98 0.0 54.4 81.6#



#15

Acrylonitrile

Concen: 3.493 ug/l

RT: 5.544 min Scan# 616

Delta R.T. 0.124 min

Lab File: VD071203.D

Acq: 08 Dec 2021 14:08

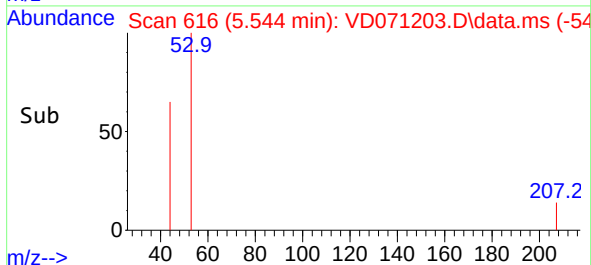
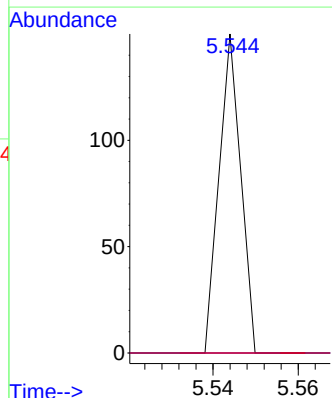
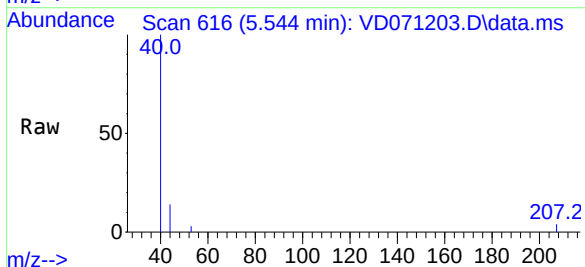
Tgt Ion: 53 Resp: 53

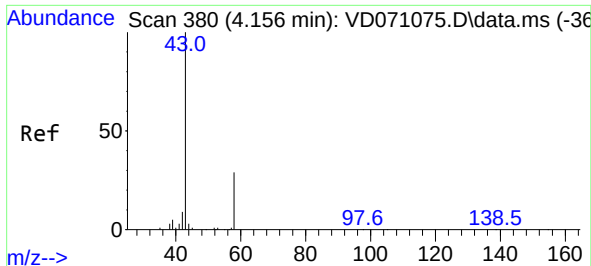
Ion Ratio Lower Upper

53 100

52 0.0 63.8 95.8#

51 0.0 28.5 42.7#

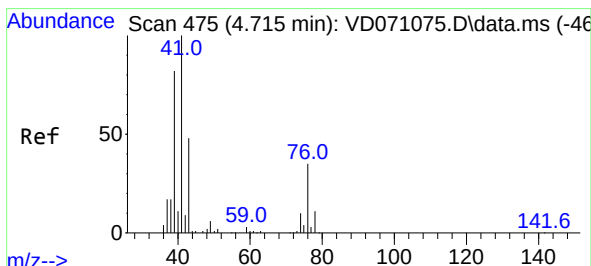
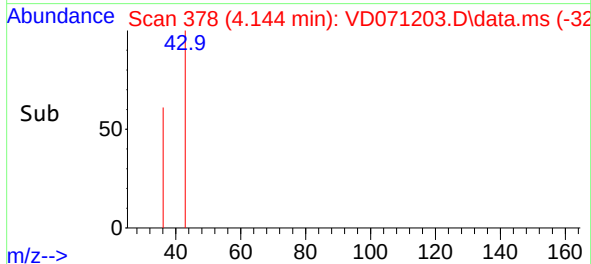
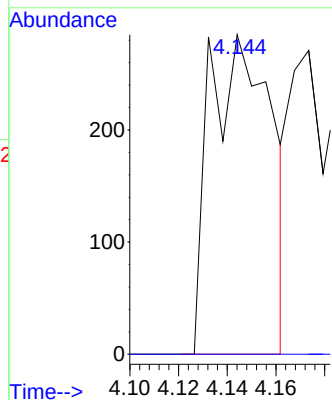
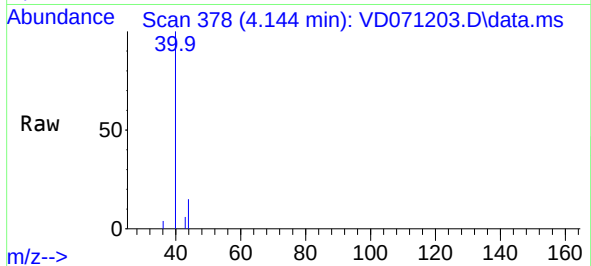




#16
Acetone
Concen: 51.811 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

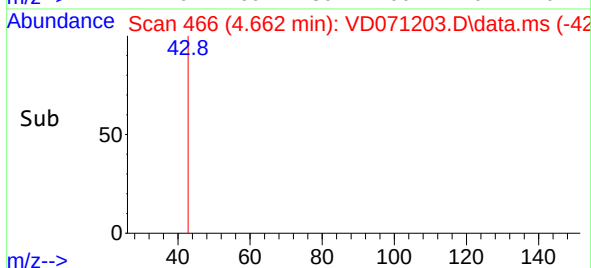
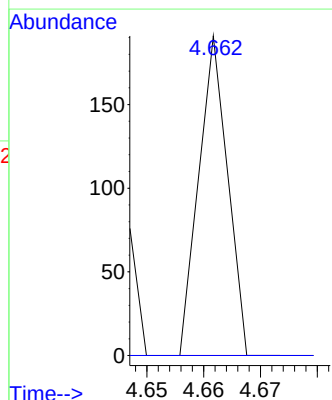
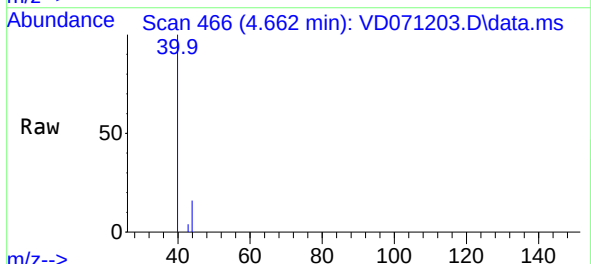
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

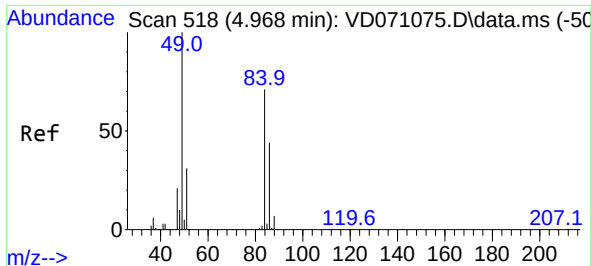
Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.147 ug/l
RT: 4.662 min Scan# 466
Delta R.T. -0.053 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. -0.000 min

Lab File: VD071203.D

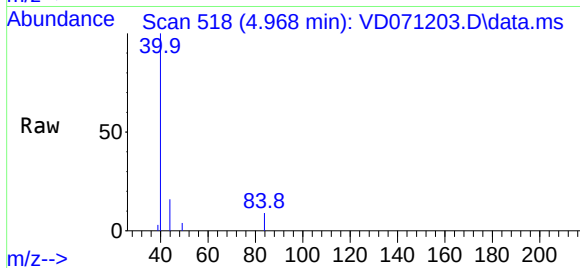
Acq: 08 Dec 2021 14:08

Instrument :

MSVOA_D

ClientSampleId :

TP-1DRE



Tgt Ion: 84 Resp: 211

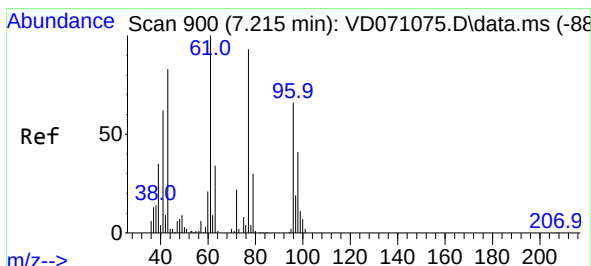
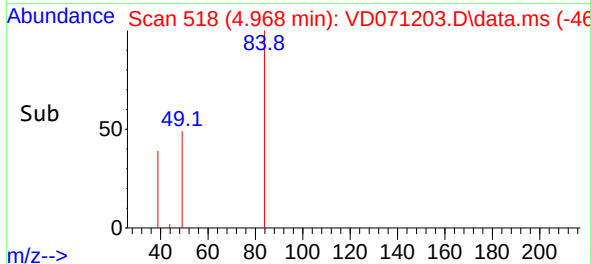
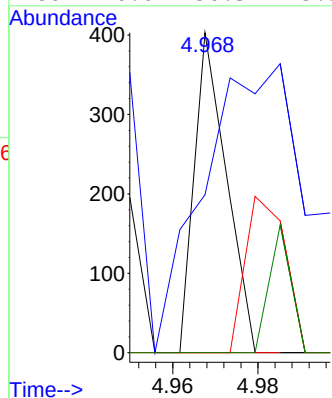
Ion Ratio Lower Upper

84 100

49 10.9 95.8 143.6#

51 0.0 30.9 46.3#

86 0.0 50.3 75.5#



#25

2-Butanone

Concen: 35.550 ug/l

RT: 7.162 min Scan# 891

Delta R.T. -0.053 min

Lab File: VD071203.D

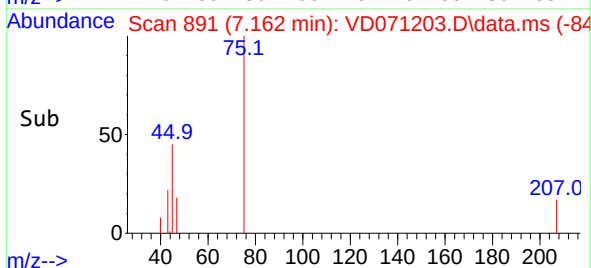
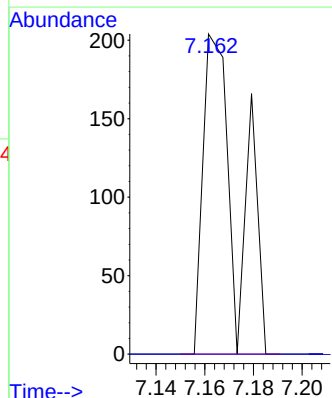
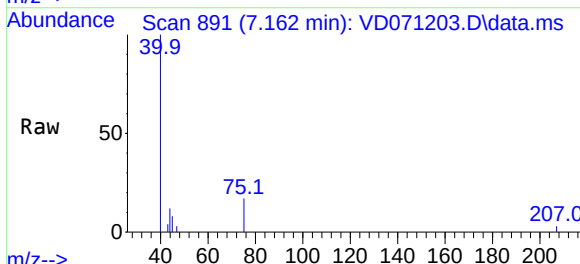
Acq: 08 Dec 2021 14:08

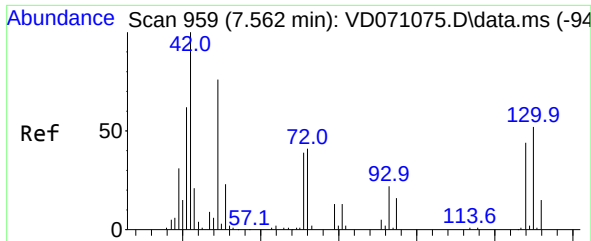
Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#

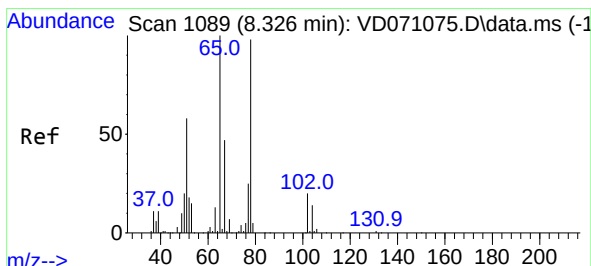
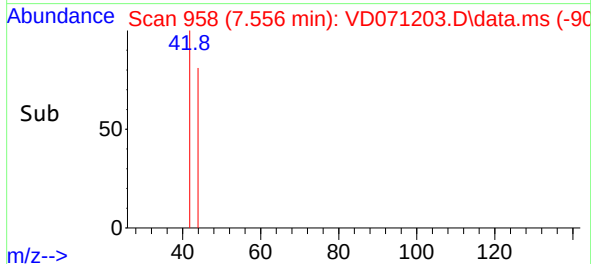
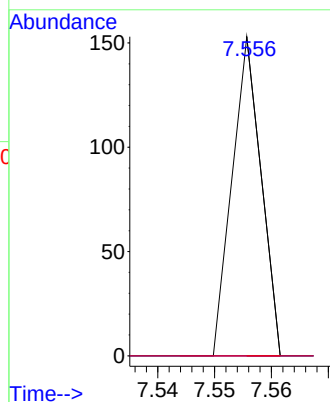
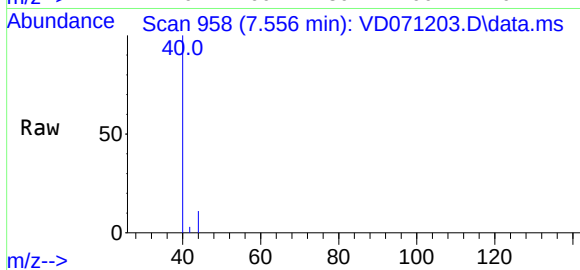




#29
Tetrahydrofuran
Concen: 4.294 ug/l
RT: 7.556 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

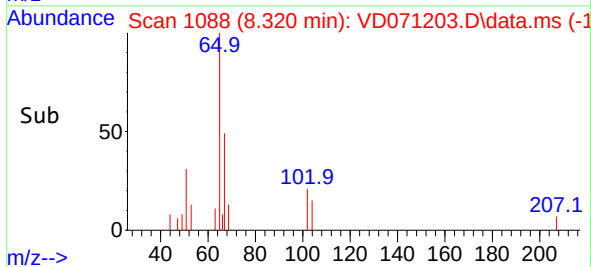
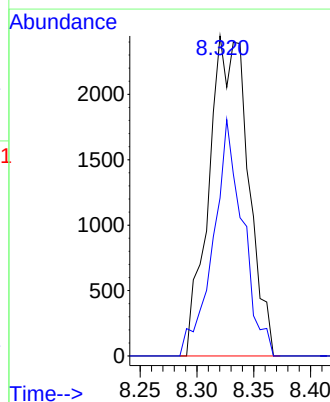
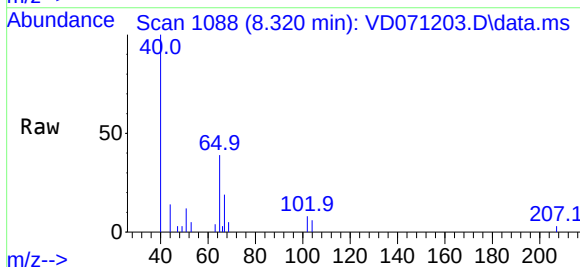
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

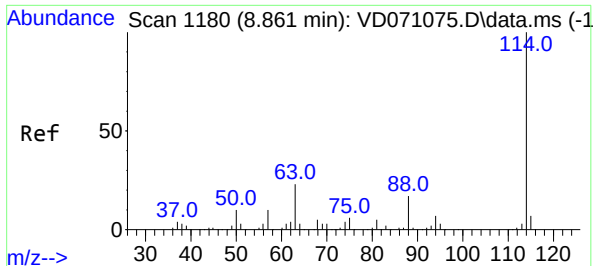
Tgt Ion: 42 Resp: 54
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



#33
1,2-Dichloroethane-d4
Concen: 74.579 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 65 Resp: 5906
Ion Ratio Lower Upper
65 100
67 55.8 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: VD071203.D

Acq: 08 Dec 2021 14:08

Instrument :

MSVOA_D

ClientSampleId :

TP-1DRE

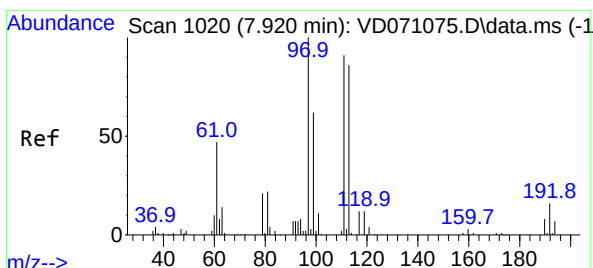
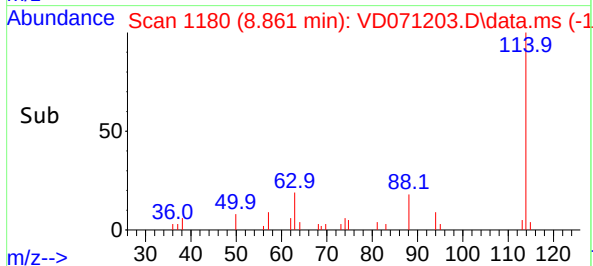
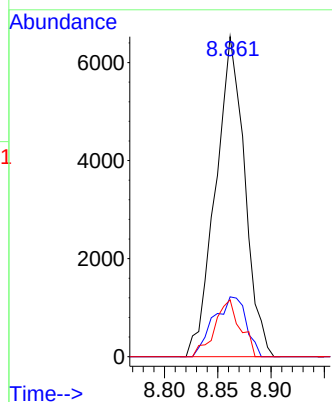
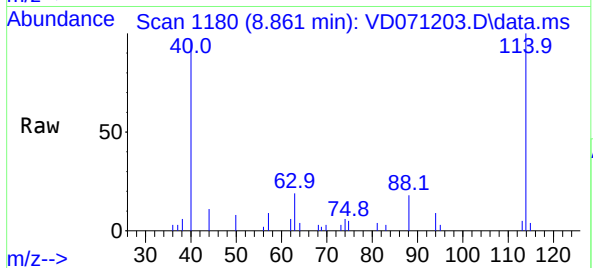
Tgt Ion:114 Resp: 12407

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.8

88 17.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.717 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071203.D

Acq: 08 Dec 2021 14:08

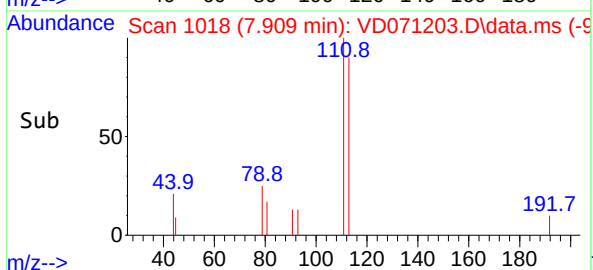
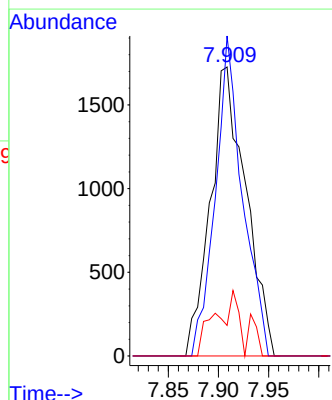
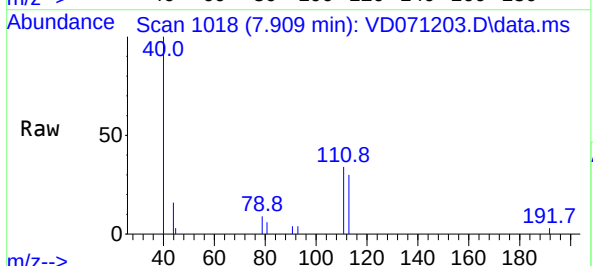
Tgt Ion:113 Resp: 4244

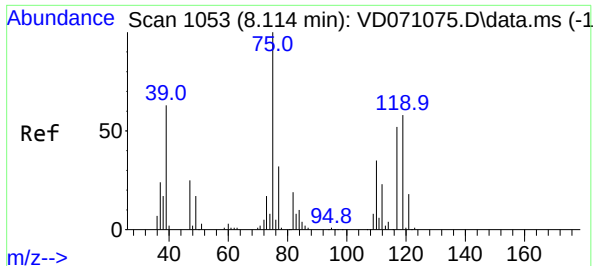
Ion Ratio Lower Upper

113 100

111 84.9 82.0 123.0

192 14.4 15.2 22.8#

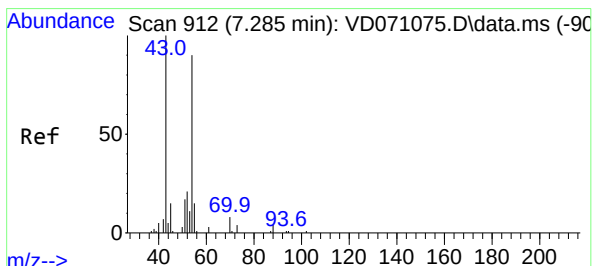
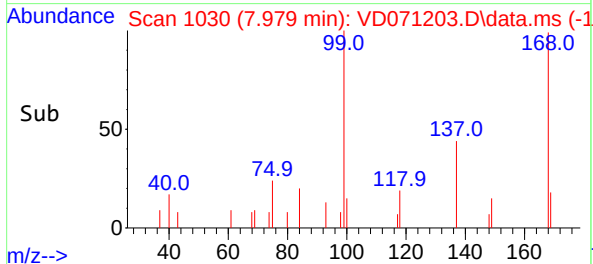
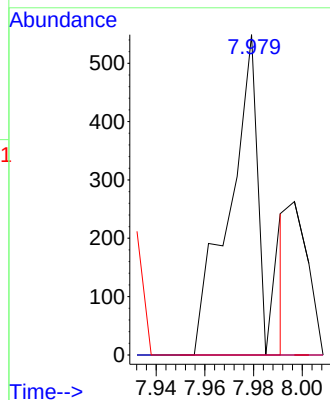
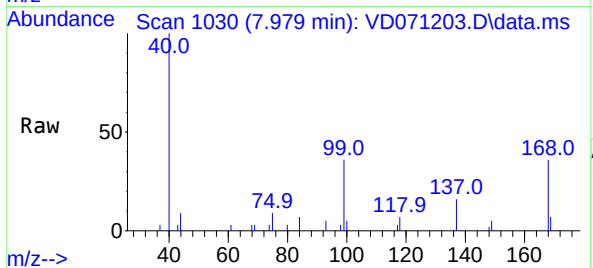




#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 7.979 min Scan# 1053
Delta R.T. -0.135 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

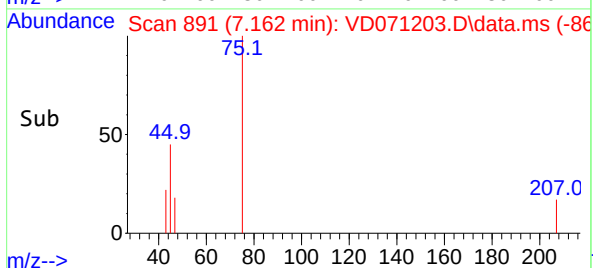
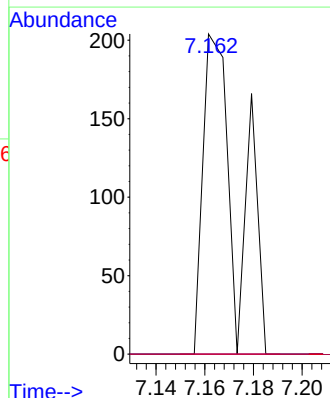
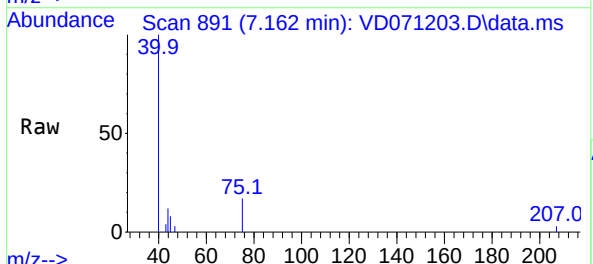
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

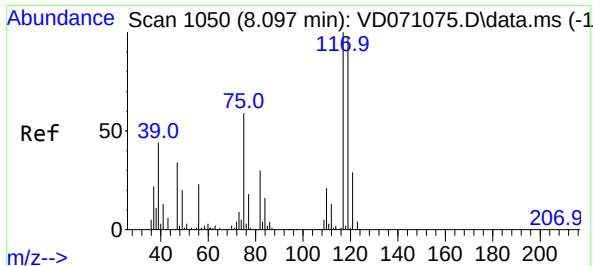
Tgt Ion: 75 Resp: 520
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 3.933 ug/l
RT: 7.162 min Scan# 891
Delta R.T. -0.123 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#

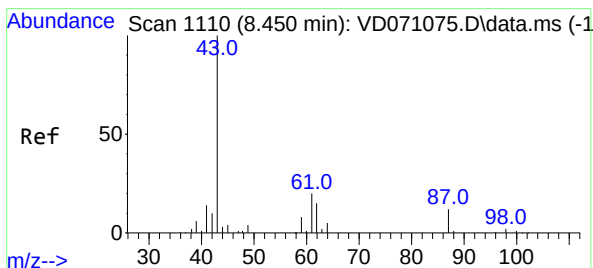
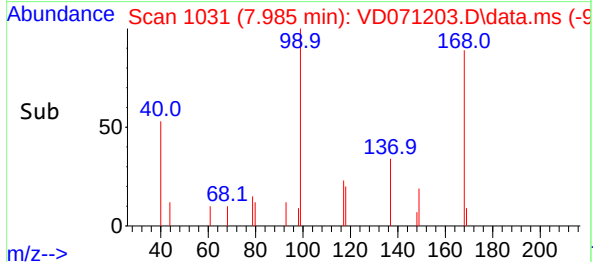
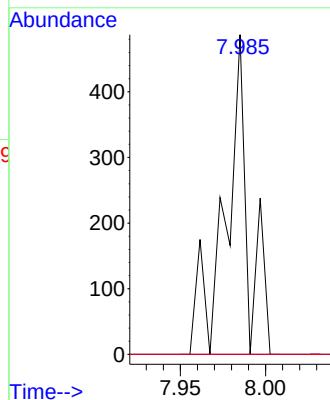
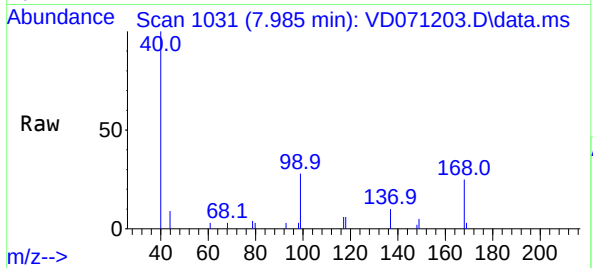




#38
Carbon Tetrachloride
Concen: 4.033 ug/l
RT: 7.985 min Scan# 1107
Delta R.T. -0.112 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

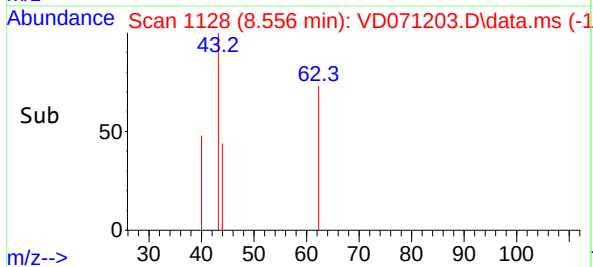
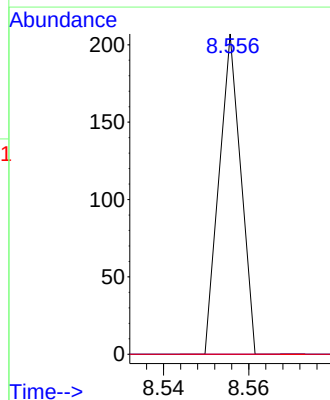
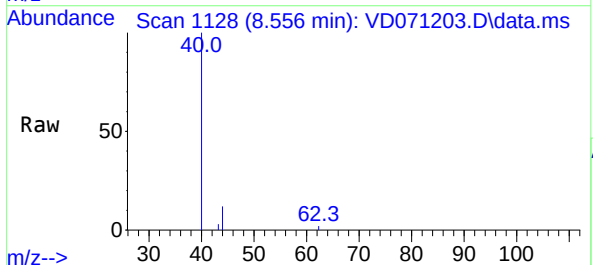
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

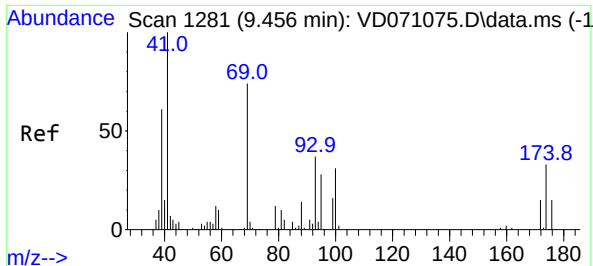
Tgt Ion:117 Resp: 461
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.816 ug/l
RT: 8.556 min Scan# 1128
Delta R.T. 0.106 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

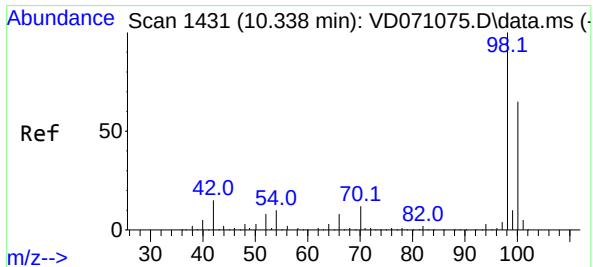
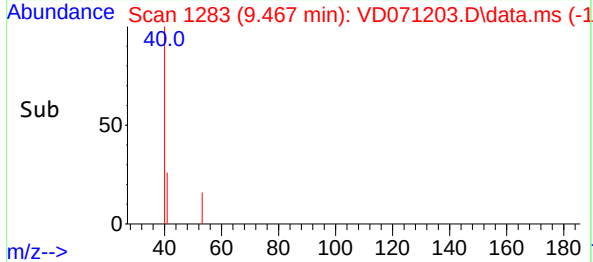
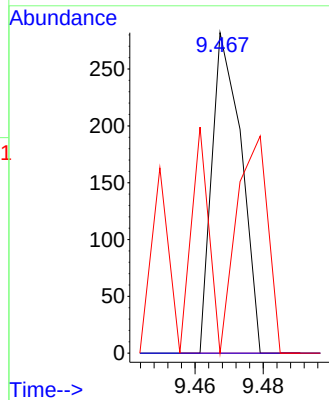
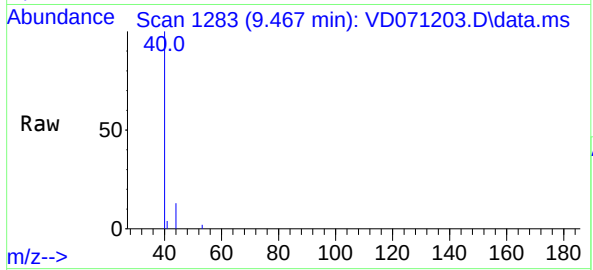




#48
Methyl methacrylate
Concen: 3.447 ug/l
RT: 9.467 min Scan# 1281
Delta R.T. 0.011 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

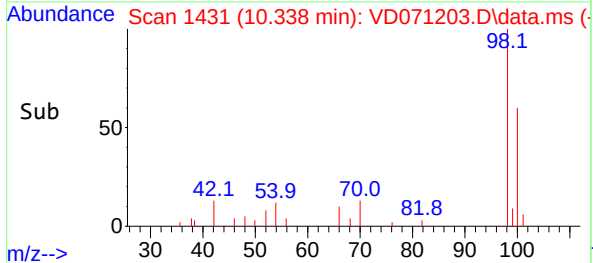
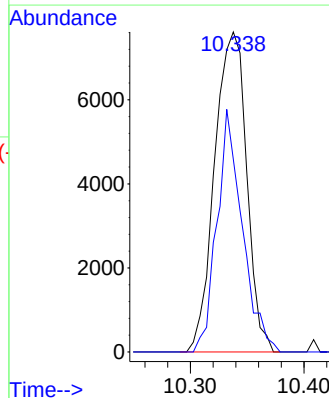
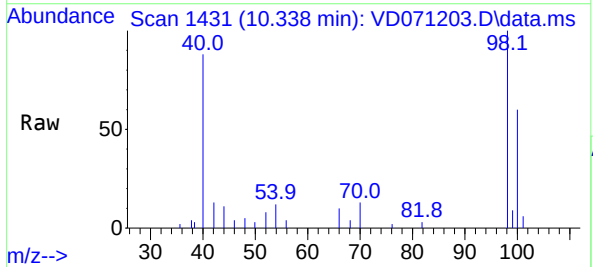
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

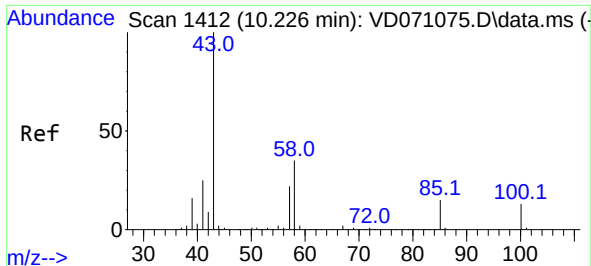
Tgt Ion: 41 Resp: 169
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 41.4 35.6 53.4



#50
Toluene-d8
Concen: 49.611 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 98 Resp: 14916
Ion Ratio Lower Upper
98 100
100 60.1 51.8 77.6

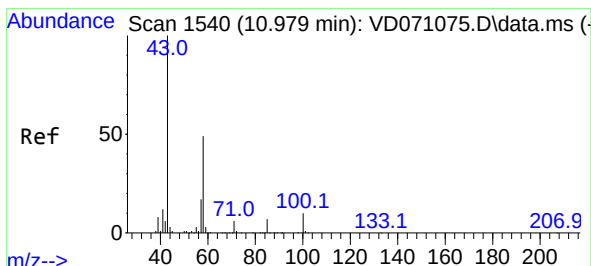
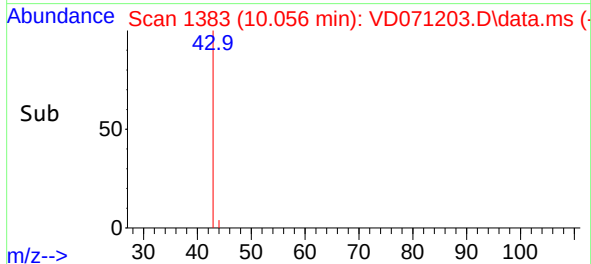
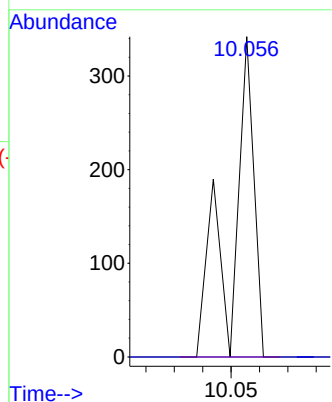
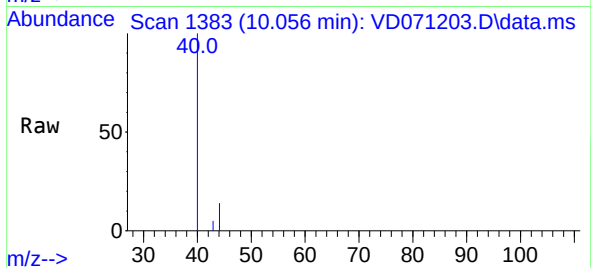




#51
4-Methyl-2-Pentanone
Concen: 33.572 ug/l
RT: 10.056 min Scan# 11
Delta R.T. -0.170 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

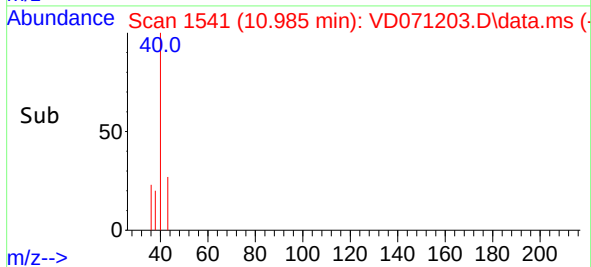
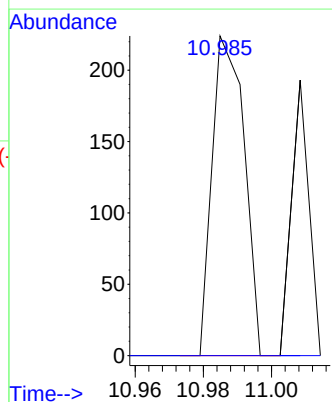
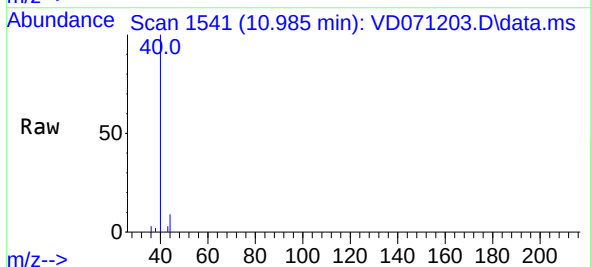
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

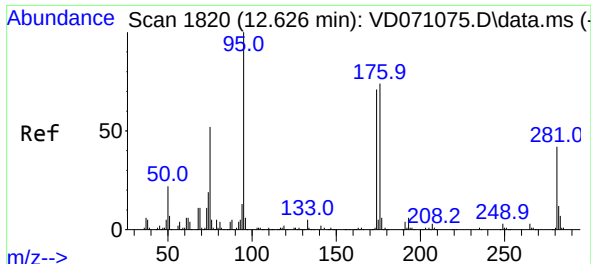
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 37.530 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

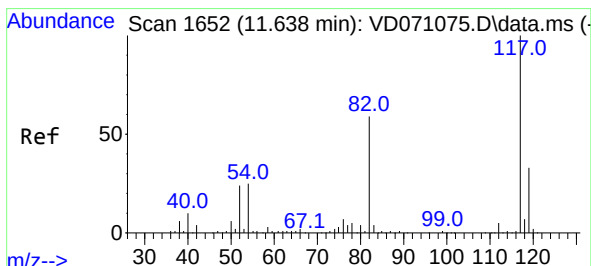
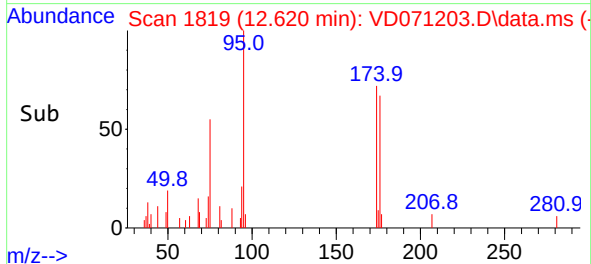
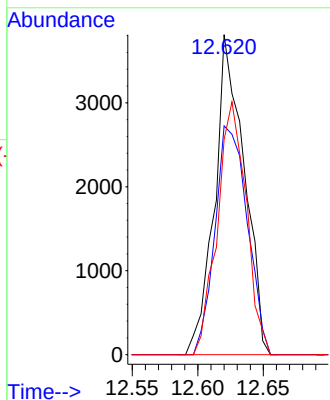
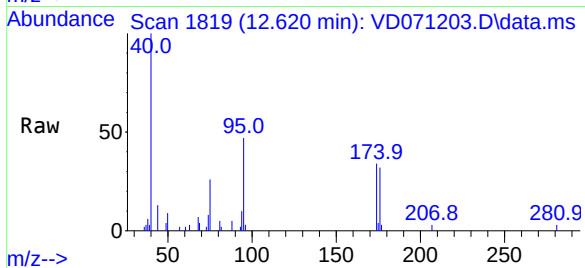




#62
4-Bromofluorobenzene
Concen: 57.407 ug/l
RT: 12.620 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

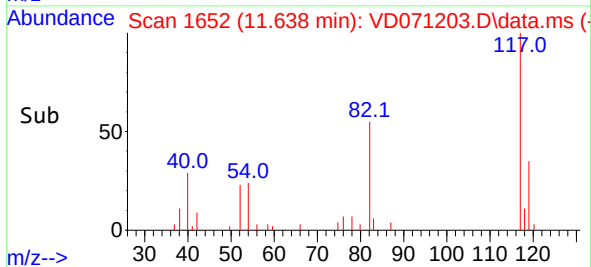
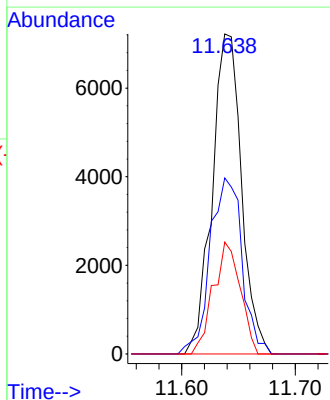
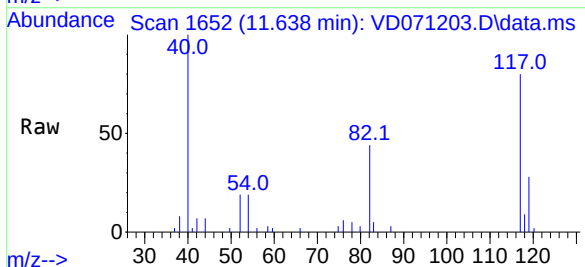
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

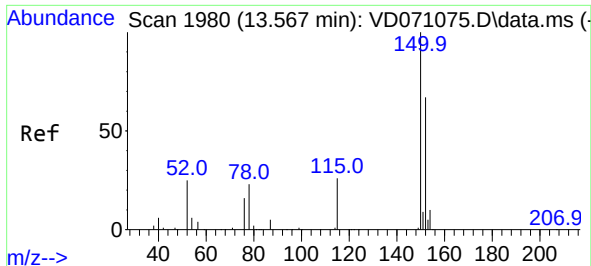
Tgt Ion: 95 Resp: 5983
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.4
176 77.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 117 Resp: 12938
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 35.0 26.2 39.4

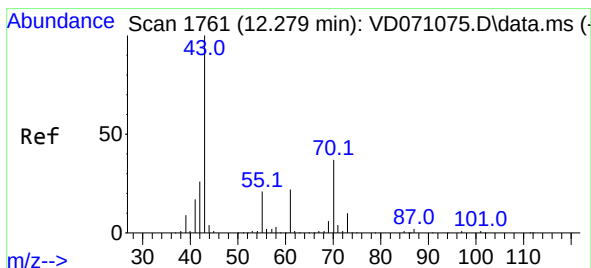
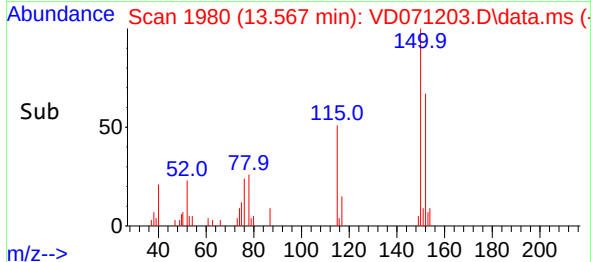
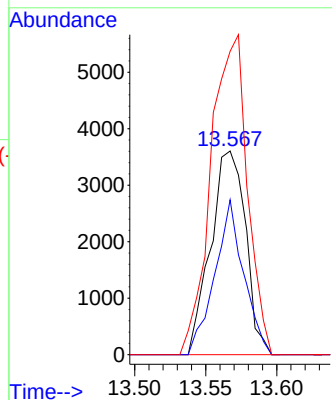
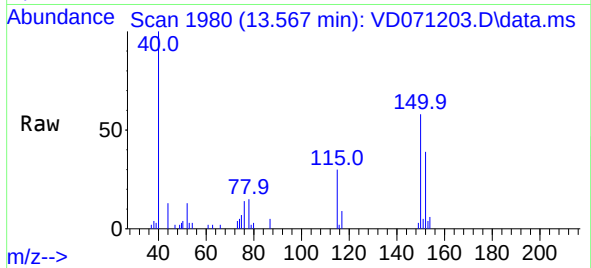




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

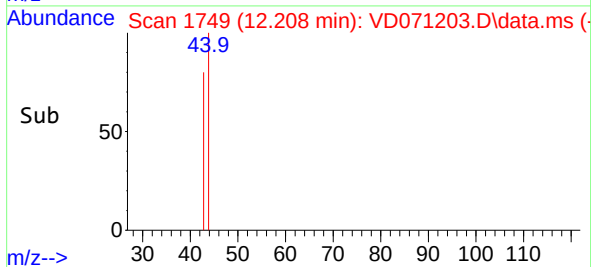
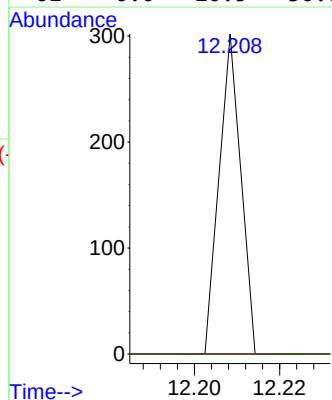
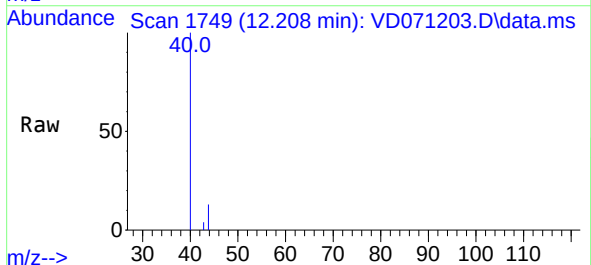
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

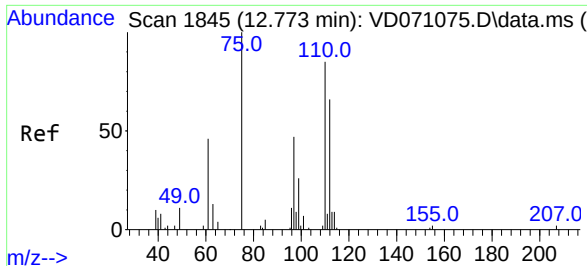
Tgt Ion:152 Resp: 6182
Ion Ratio Lower Upper
152 100
115 62.7 29.8 89.3
150 163.4 0.0 349.2



#74
N-ethyl acetate
Concen: 6.475 ug/l
RT: 12.208 min Scan# 1749
Delta R.T. -0.071 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

Tgt Ion: 43 Resp: 107
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#

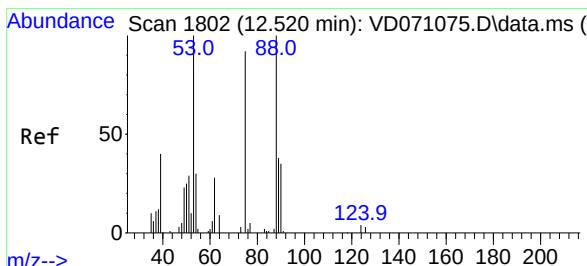
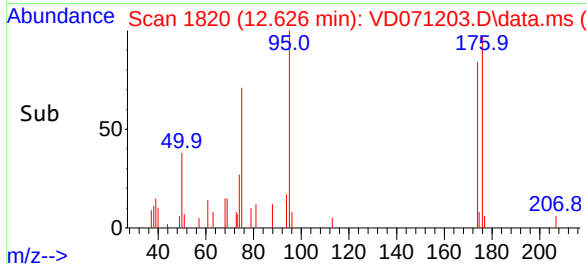
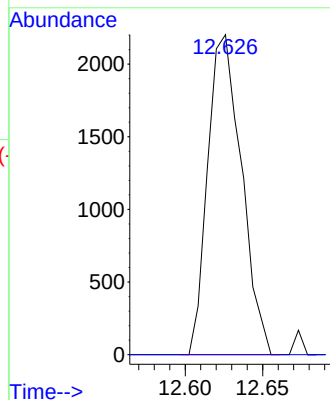
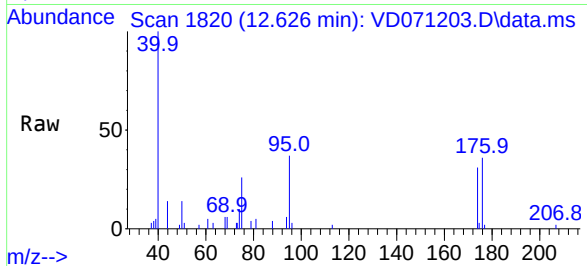




#76
1,2,3-Trichloropropane
Concen: 56.690 ug/l
RT: 12.626 min Scan# 1845
Delta R.T. -0.147 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

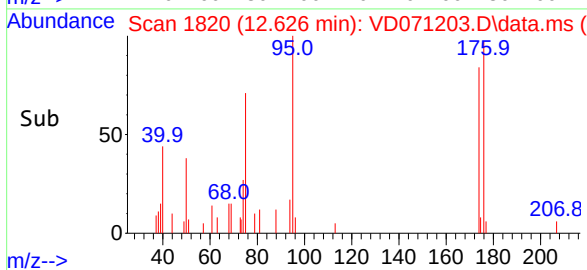
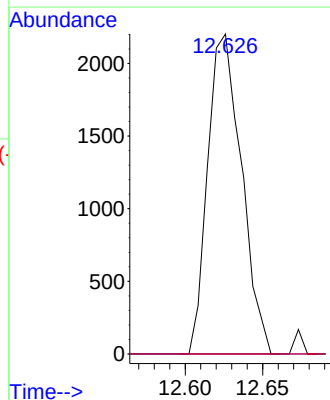
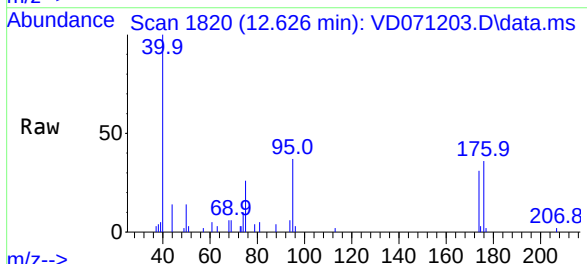
Instrument :
MSVOA_D
ClientSampleId :
TP-1DRE

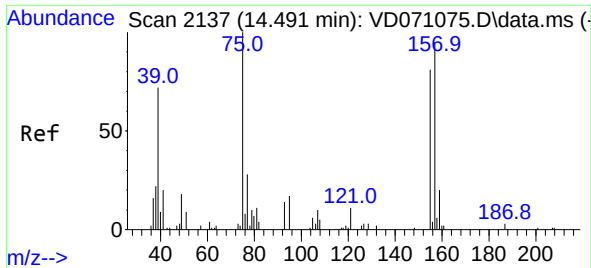
Tgt Ion: 75 Resp: 3339
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.056 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071203.D
Acq: 08 Dec 2021 14:08

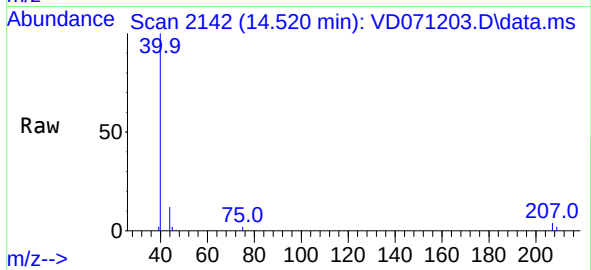
Tgt Ion: 75 Resp: 3339
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.498 ug/l
 RT: 14.520 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: VD071203.D
 Acq: 08 Dec 2021 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1DRE



Tgt Ion:	75	Resp:	66
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#

