

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072225.D
 Acq On : 16 Mar 2022 18:27
 Operator : VA/SY
 Sample : N1893-05
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE

Quant Time: Mar 17 02:28:13 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	402623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	671850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	738864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	376322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215737	48.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.160%
35) Dibromofluoromethane	7.914	113	101461	21.460	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.920%#
50) Toluene-d8	10.332	98	847753	49.039	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.080%
62) 4-Bromofluorobenzene	12.620	95	375611	55.918	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.840%
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	1300	2.528	ug/l #	82
11) Tert butyl alcohol	5.185	59	15272	58.702	ug/l #	74
16) Acetone	4.156	43	16059	16.484	ug/l	94
17) Carbon Disulfide	4.409	76	5522	2.121	ug/l #	89
20) Methylene Chloride	4.961	84	13479	Below Cal	#	87
25) 2-Butanone	7.202	43	6899	5.311	ug/l	96
31) Cyclohexane	7.973	56	9155	1.306	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	33406	5.037	ug/l #	51
37) Ethyl Acetate	7.202	43	6899	2.375	ug/l #	49
38) Carbon Tetrachloride	7.979	117	40228	5.336	ug/l #	17
39) Methylcyclohexane	9.314	83	7938	1.064	ug/l #	40
51) 4-Methyl-2-Pentanone	10.226	43	6864	2.318	ug/l	88
55) 1,1,2-Trichloroethane	10.767	97	4119	1.059	ug/l #	27
56) Ethyl methacrylate	10.679	69	5367	1.178	ug/l #	37
59) 2-Hexanone	10.949	43	4693	2.294	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	190382	45.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	190382	113.789	ug/l #	7

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

Quant Time: Mar 17 02:28:13 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

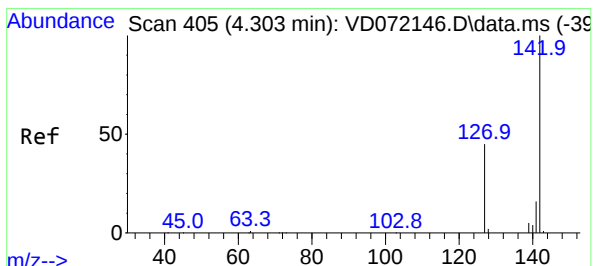
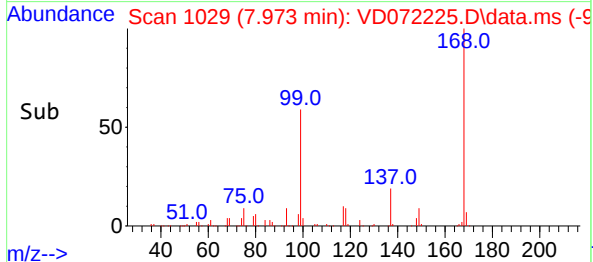
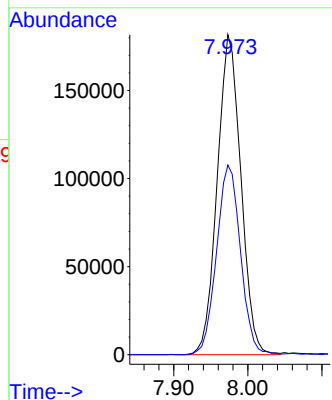
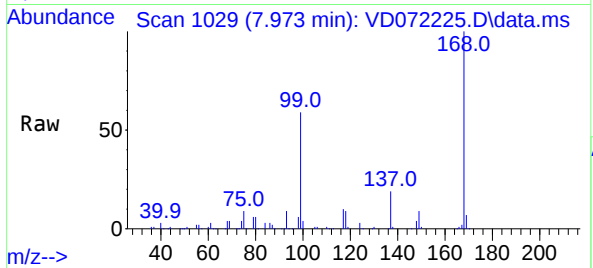




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

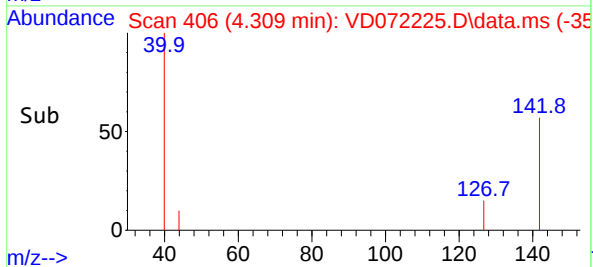
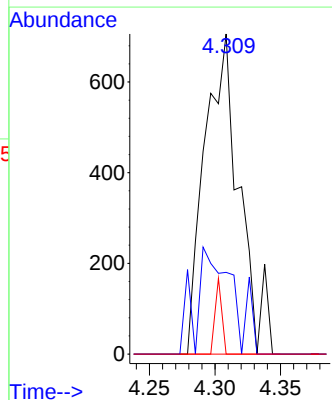
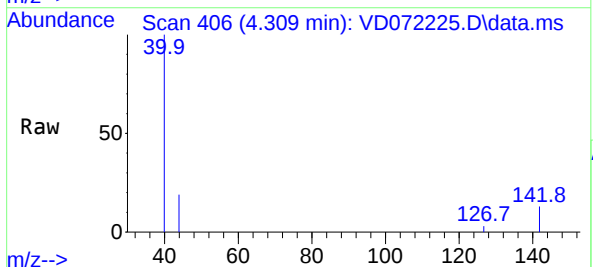
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

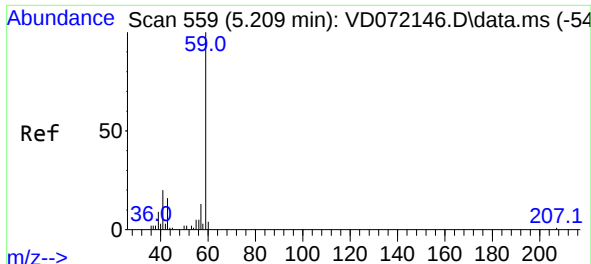
Tgt Ion:168 Resp: 402623
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#10
Methyl Iodide
Concen: 2.528 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion:142 Resp: 1300
Ion Ratio Lower Upper
142 100
127 35.9 37.3 55.9#
141 4.5 11.7 17.5#

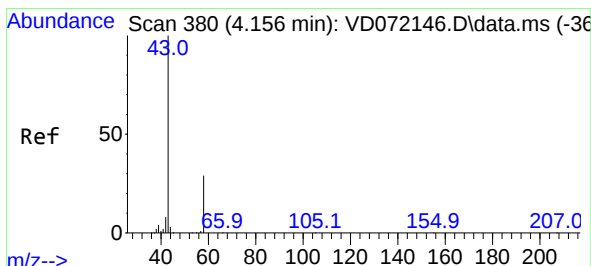
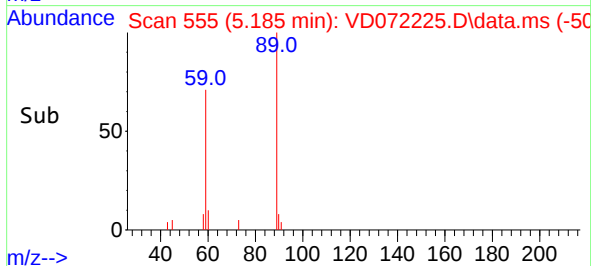
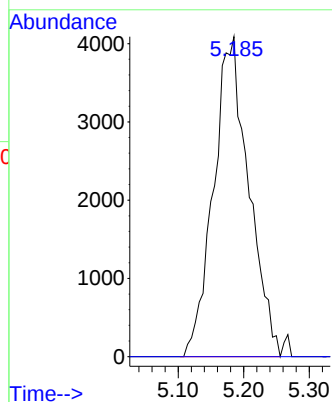
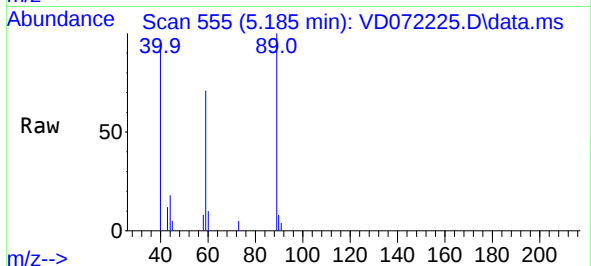




#11
Tert butyl alcohol
Concen: 58.702 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

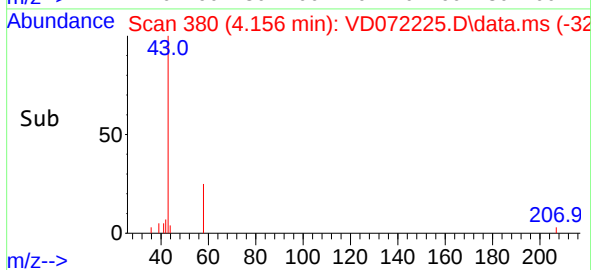
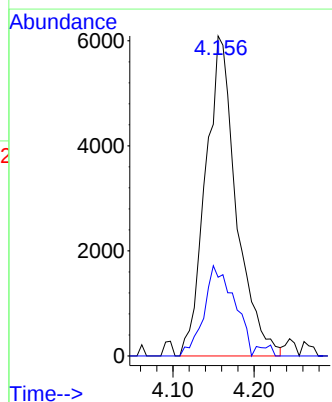
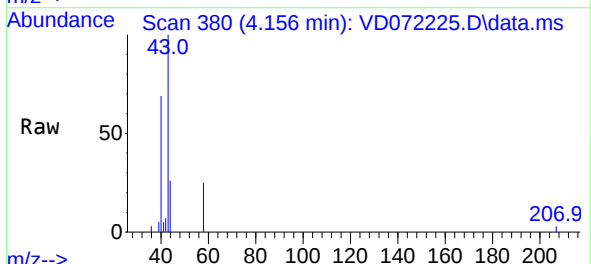
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

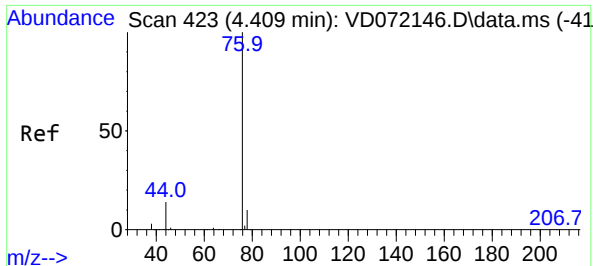
Tgt Ion: 59 Resp: 15272
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 16.484 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 43 Resp: 16059
Ion Ratio Lower Upper
43 100
58 24.6 22.1 33.1

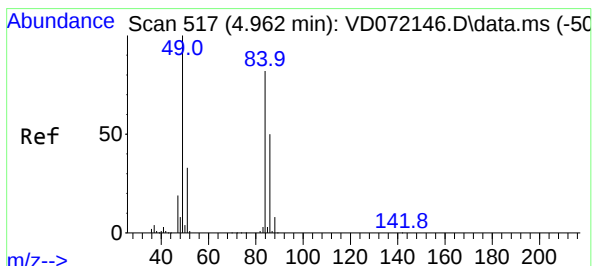
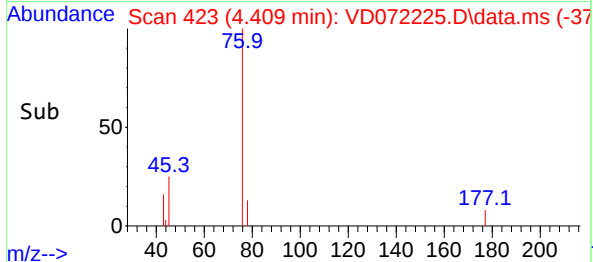
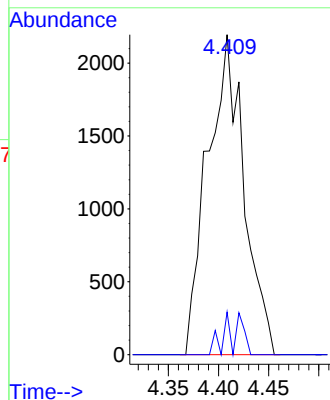
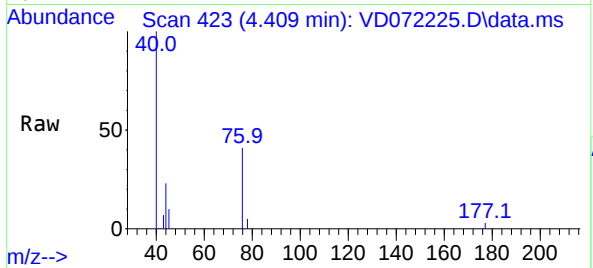




#17
Carbon Disulfide
Concen: 2.121 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

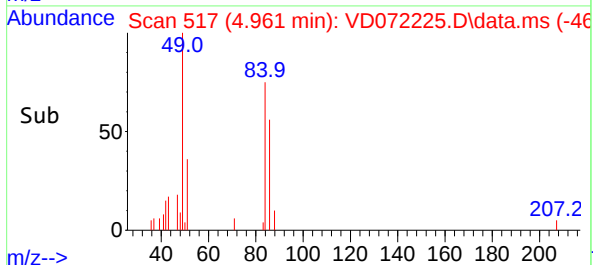
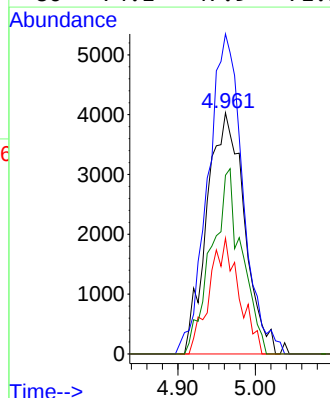
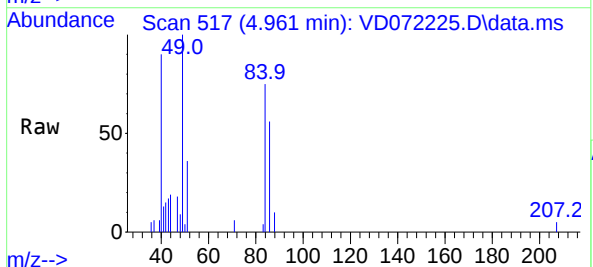
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

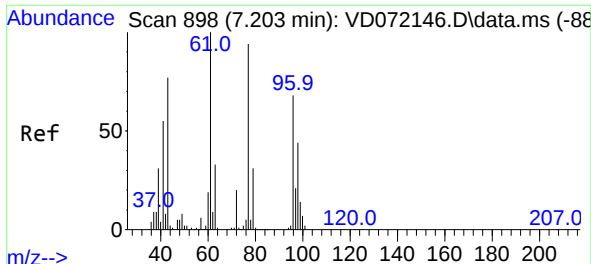
Tgt Ion: 76 Resp: 5522
Ion Ratio Lower Upper
76 100
78 13.3 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 84 Resp: 13479
Ion Ratio Lower Upper
84 100
49 128.4 112.8 169.2
51 48.0 32.6 48.8
86 74.1 47.9 71.9#





#25

2-Butanone

Concen: 5.311 ug/l

RT: 7.202 min Scan# 89

Delta R.T. -0.000 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

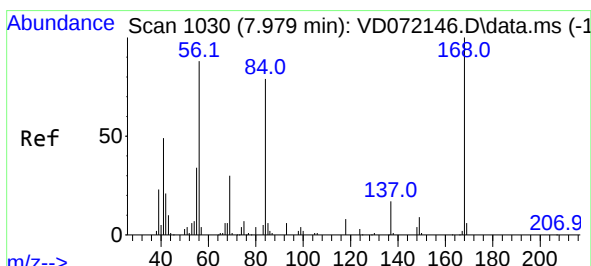
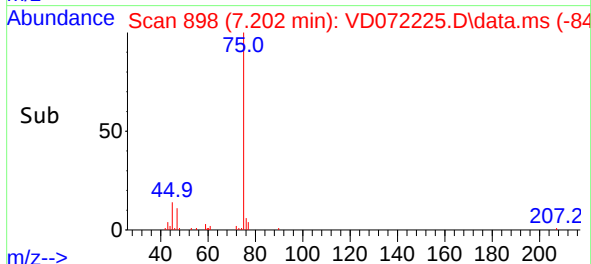
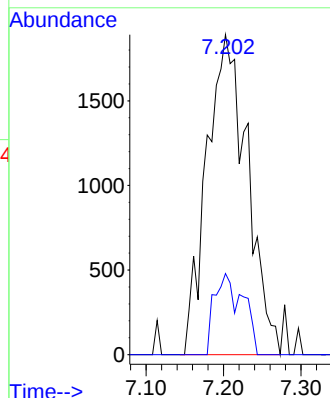
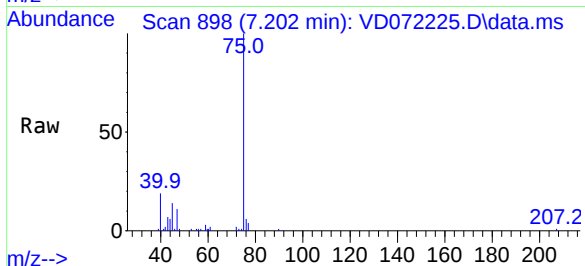
CONCRETE

Tgt Ion: 43 Resp: 6899

Ion Ratio Lower Upper

43 100

72 25.3 18.6 27.8



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

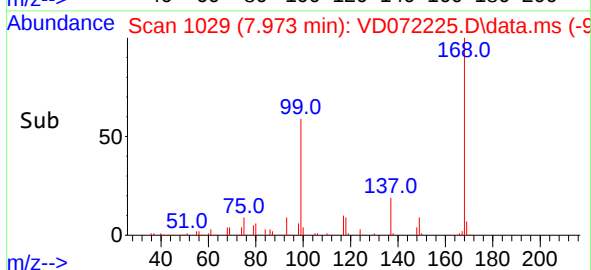
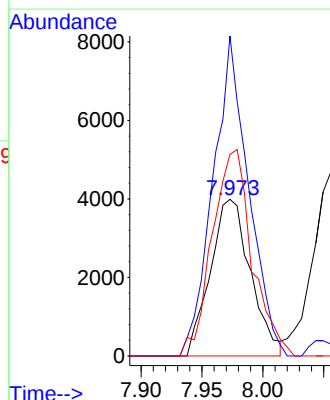
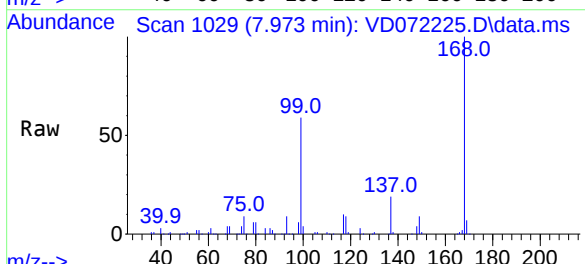
Tgt Ion: 56 Resp: 9155

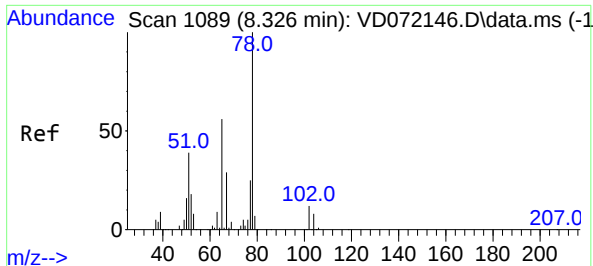
Ion Ratio Lower Upper

56 100

69 204.3 25.4 38.2#

84 128.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.080 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

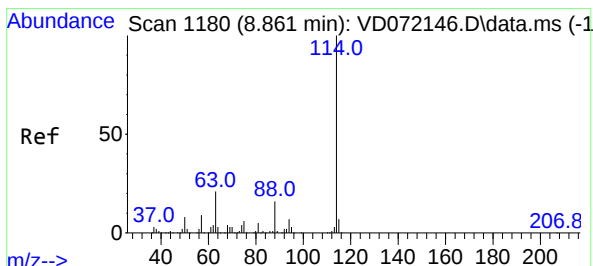
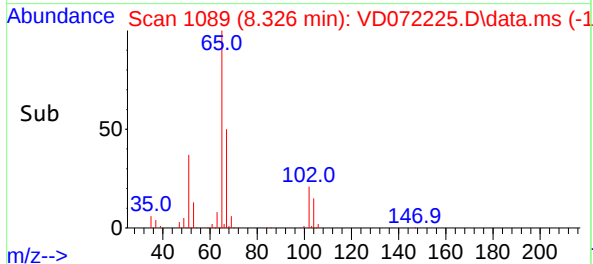
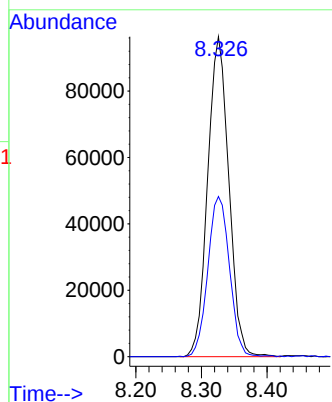
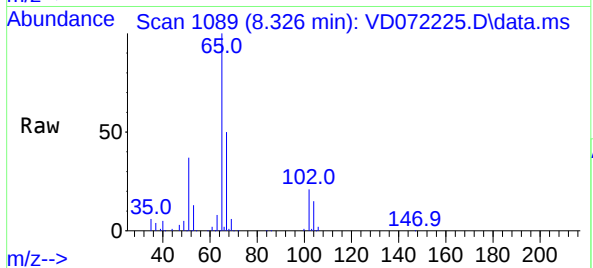
CONCRETE

Tgt Ion: 65 Resp: 215737

Ion Ratio Lower Upper

65 100

67 51.3 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: VD072225.D

Acq: 16 Mar 2022 18:27

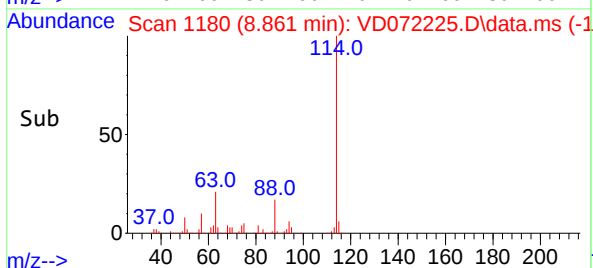
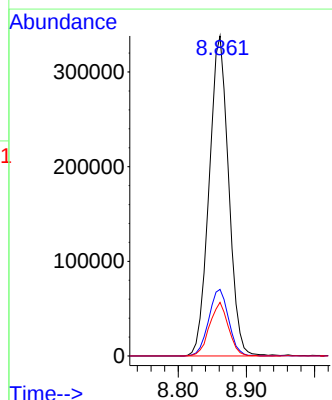
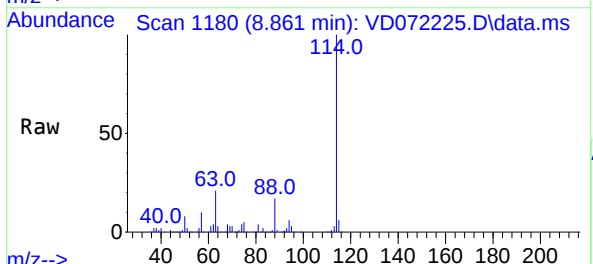
Tgt Ion: 114 Resp: 671850

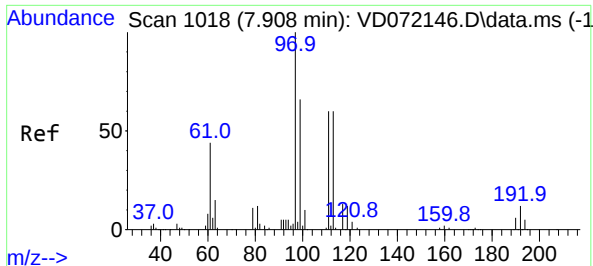
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.7 0.0 33.2

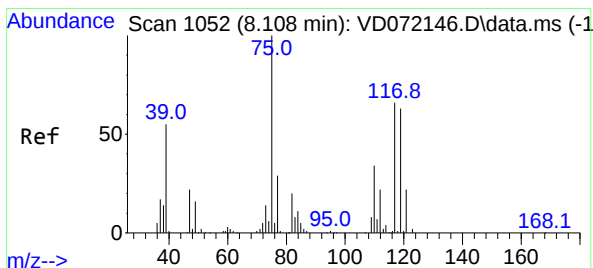
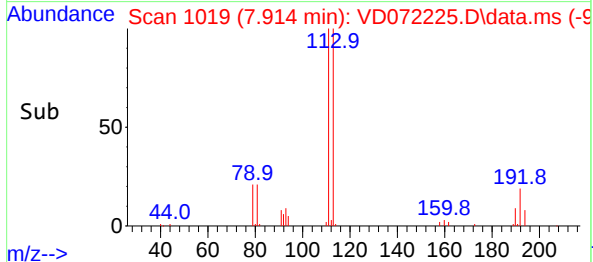
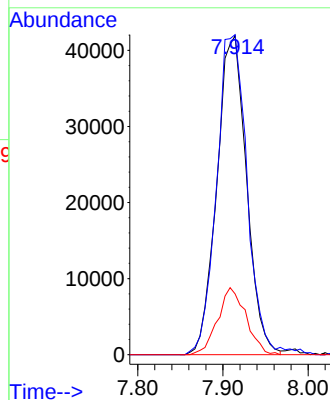
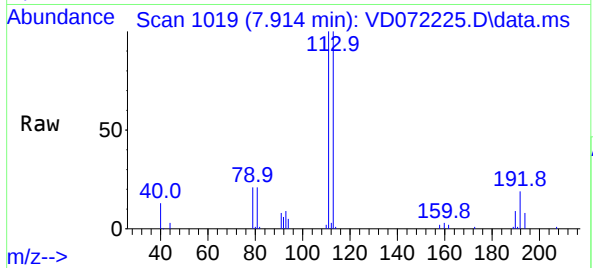




#35
Dibromofluoromethane
Concen: 21.460 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

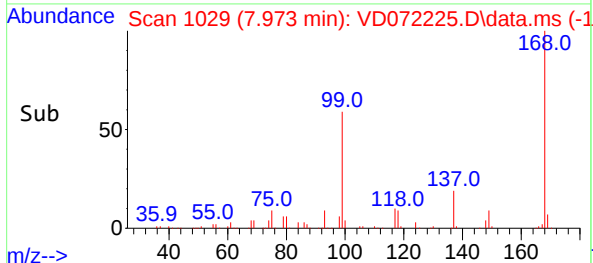
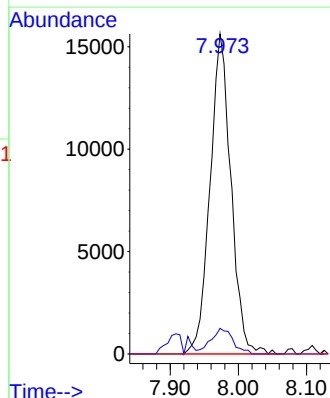
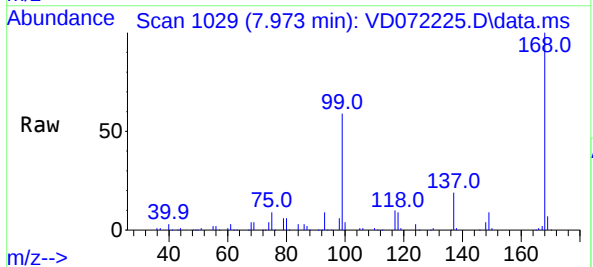
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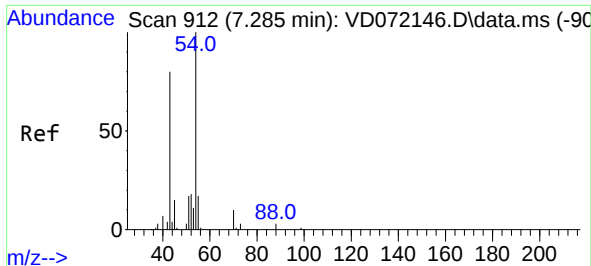
Tgt Ion:113 Resp: 101461
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 20.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 75 Resp: 33406
Ion Ratio Lower Upper
75 100
110 8.5 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.375 ug/l

RT: 7.202 min Scan# 89

Delta R.T. -0.082 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

CONCRETE

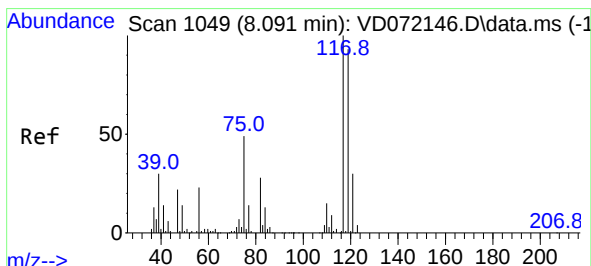
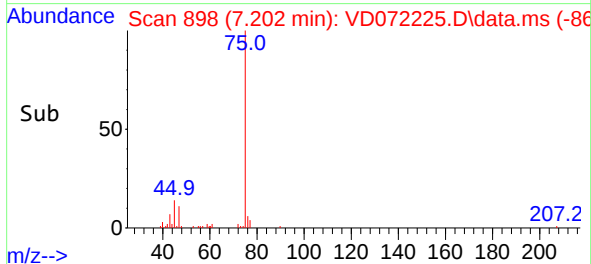
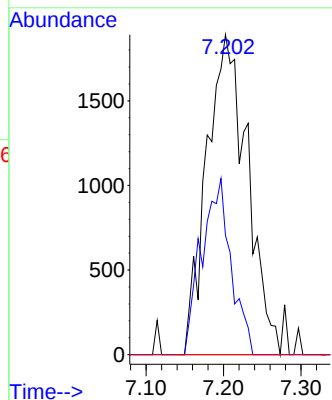
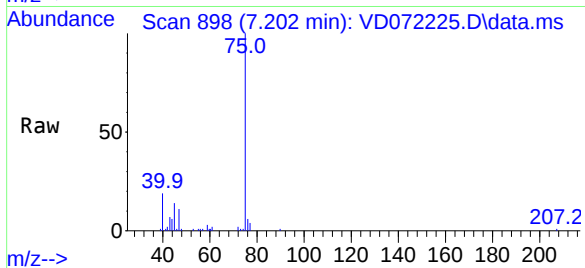
Tgt Ion: 43 Resp: 6899

Ion Ratio Lower Upper

43 100

61 39.8 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.336 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

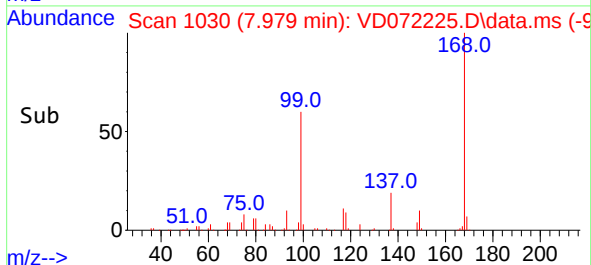
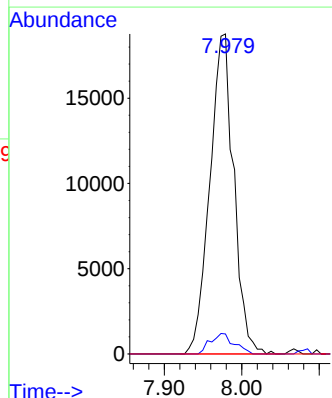
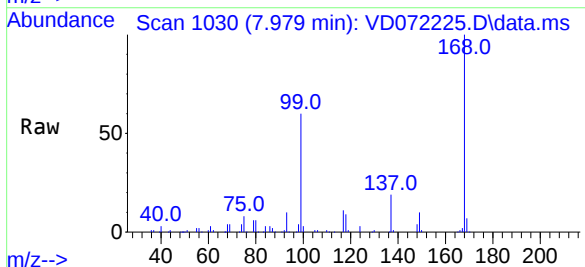
Tgt Ion: 117 Resp: 40228

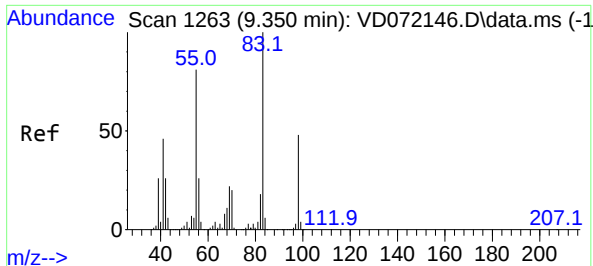
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1.064 ug/l

RT: 9.314 min Scan# 1

Delta R.T. -0.035 min

Lab File: VD072225.D

Acq: 16 Mar 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

CONCRETE

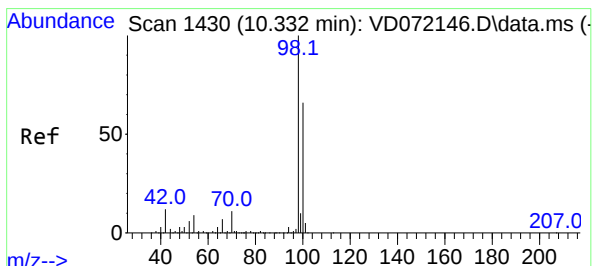
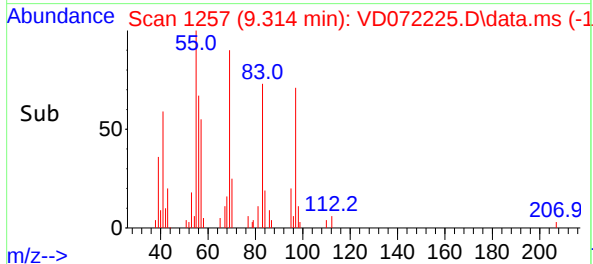
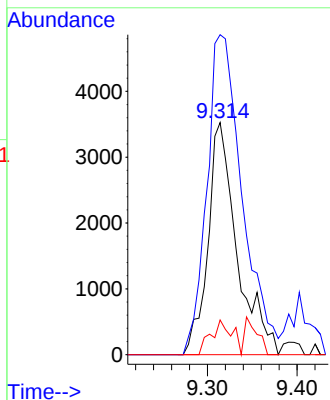
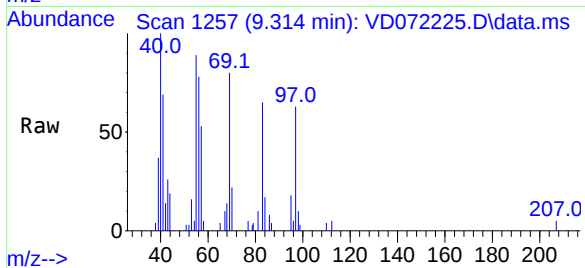
Tgt Ion: 83 Resp: 7938

Ion Ratio Lower Upper

83 100

55 137.8 63.2 94.8#

98 15.0 38.2 57.4#



#50

Toluene-d8

Concen: 49.039 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072225.D

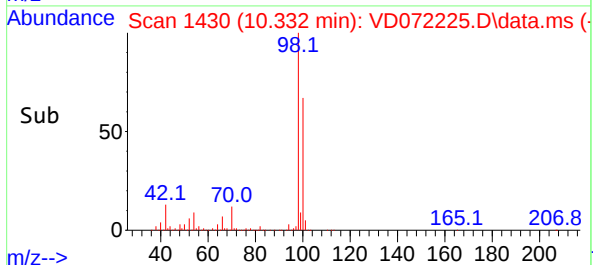
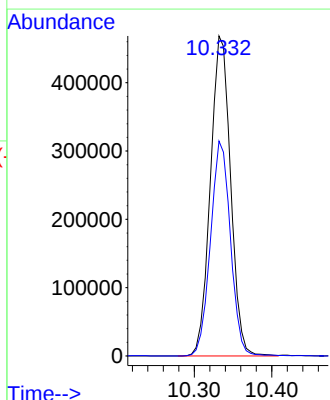
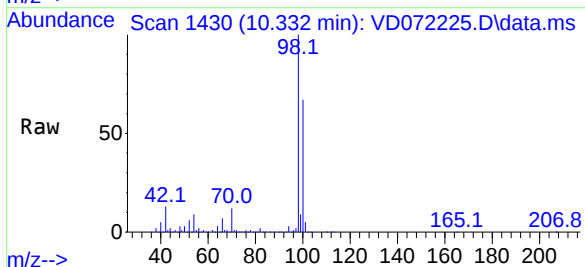
Acq: 16 Mar 2022 18:27

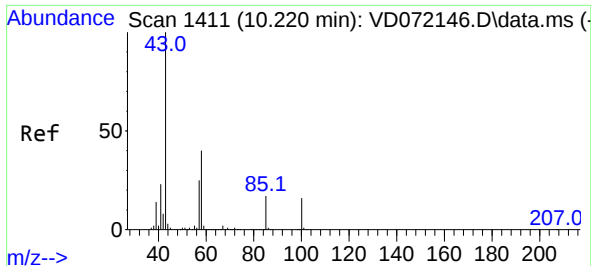
Tgt Ion: 98 Resp: 847753

Ion Ratio Lower Upper

98 100

100 66.5 52.4 78.6

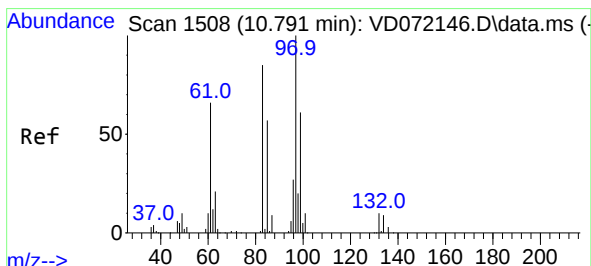
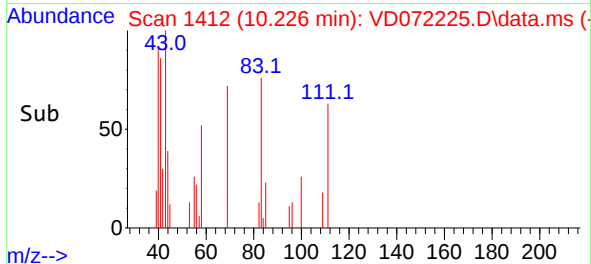
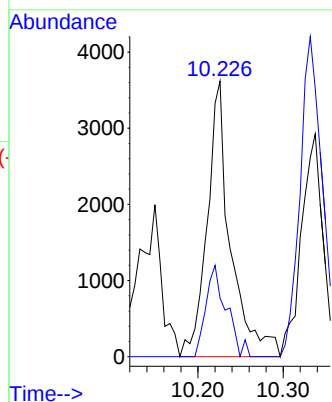
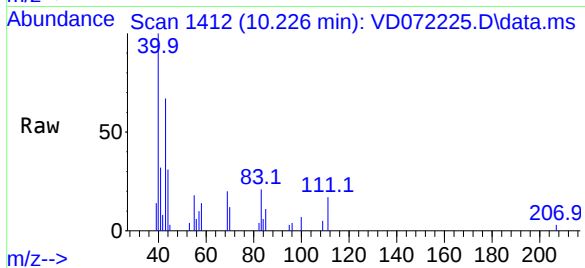




#51
4-Methyl-2-Pentanone
Concen: 2.318 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

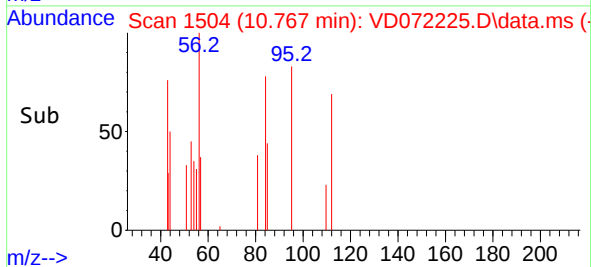
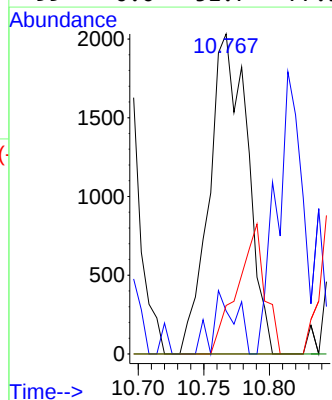
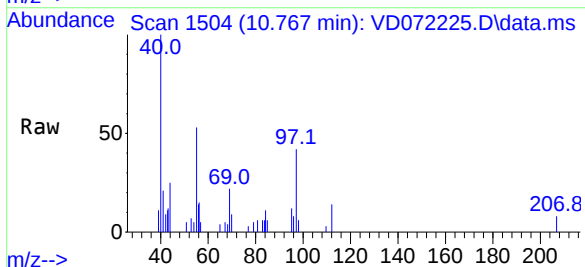
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

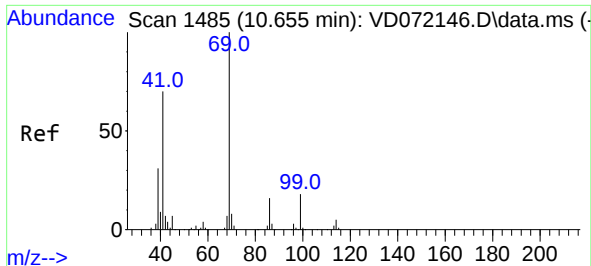
Tgt Ion: 43 Resp: 6864
Ion Ratio Lower Upper
43 100
58 29.0 28.6 43.0



#55
1,1,2-Trichloroethane
Concen: 1.059 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 97 Resp: 4119
Ion Ratio Lower Upper
97 100
83 13.4 69.0 103.4#
85 15.2 42.6 63.8#
99 0.0 51.7 77.5#

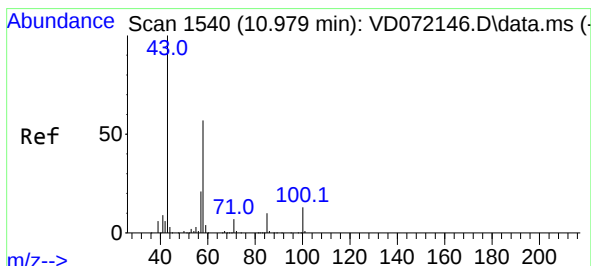
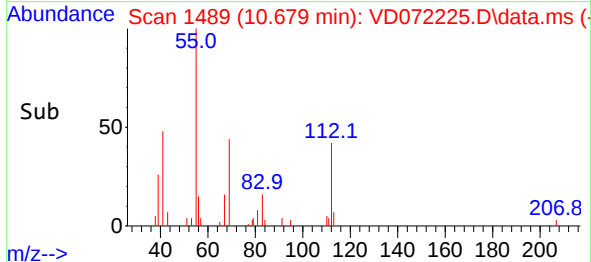
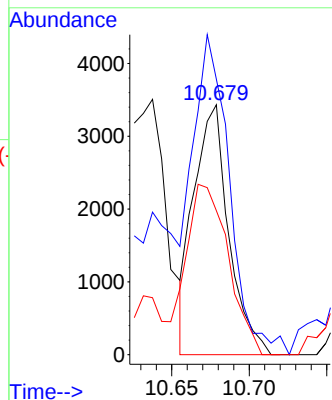
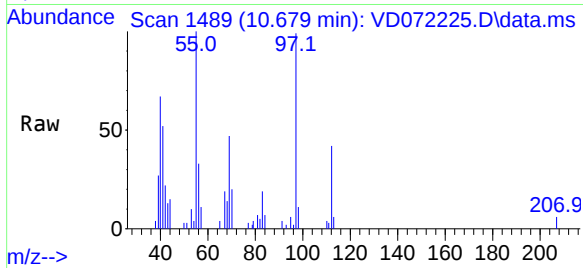




#56
Ethyl methacrylate
Concen: 1.178 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

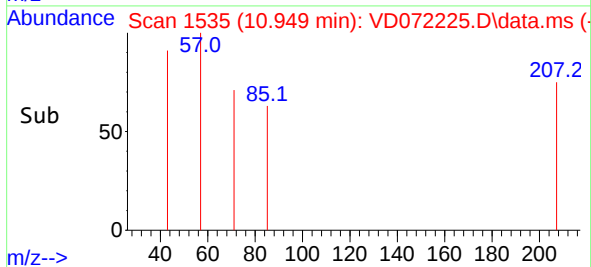
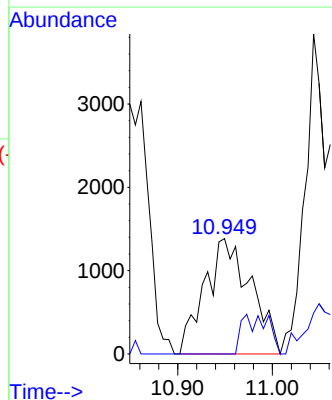
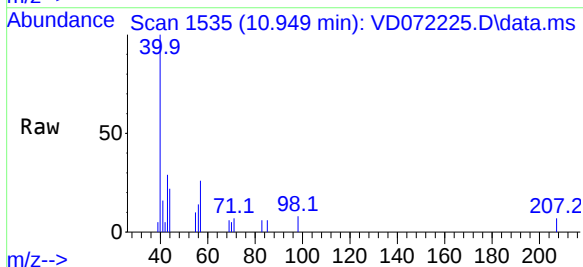
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

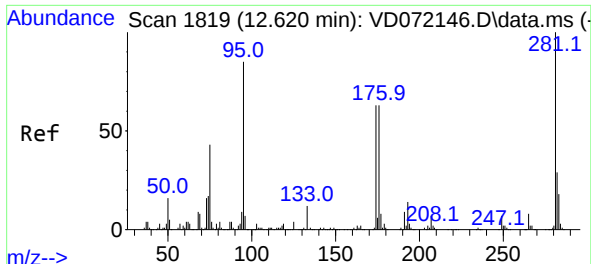
Tgt Ion: 69 Resp: 5367
Ion Ratio Lower Upper
69 100
41 134.7 63.0 94.6#
39 81.6 33.8 50.8#



#59
2-Hexanone
Concen: 2.294 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

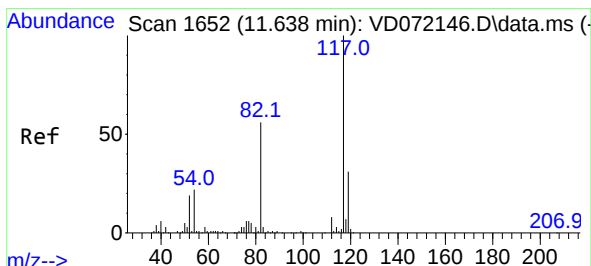
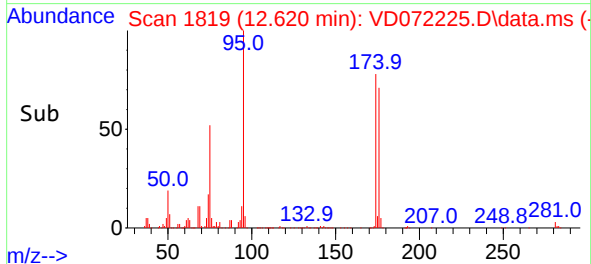
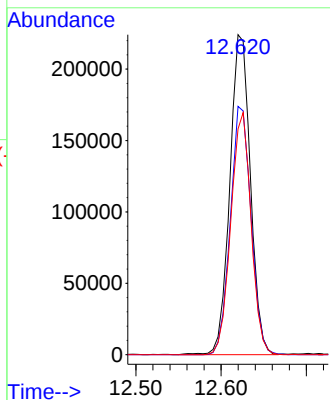
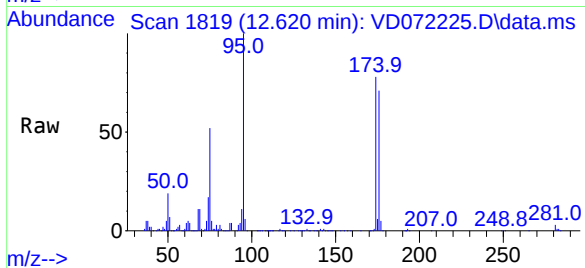




#62
4-Bromofluorobenzene
Concen: 55.918 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

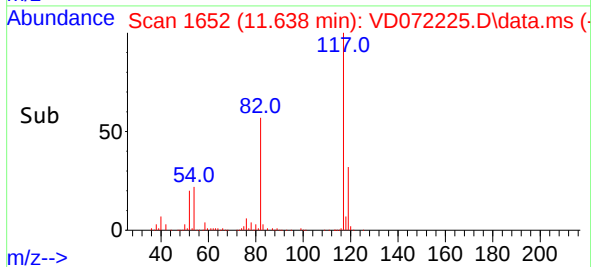
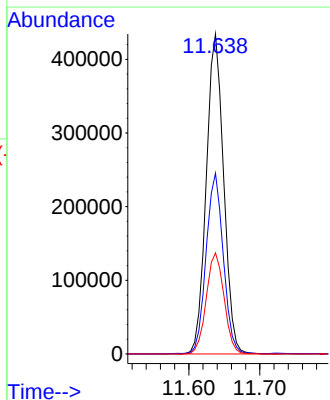
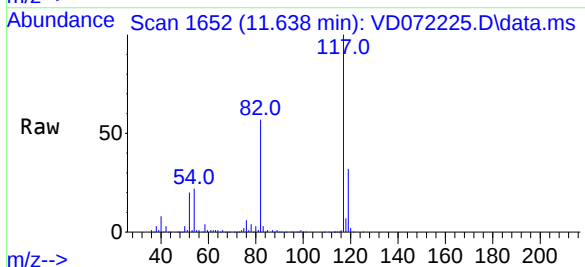
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE

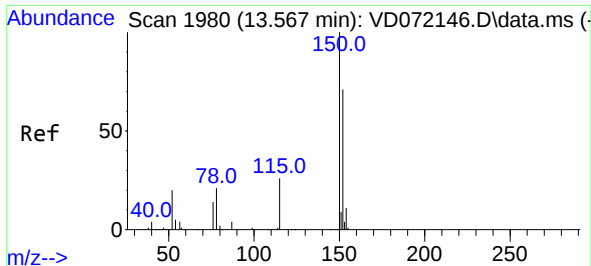
Tgt Ion: 95 Resp: 375611
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 74.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072225.D
Acq: 16 Mar 2022 18:27

Tgt Ion: 117 Resp: 738864
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 31.6 26.6 40.0



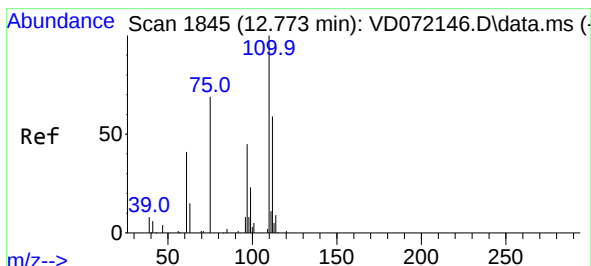
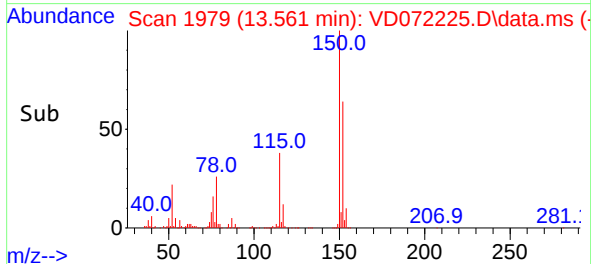
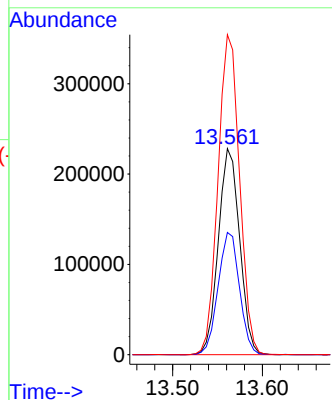
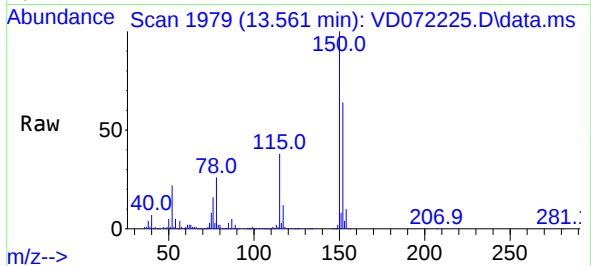


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072225.D
 Acq: 16 Mar 2022 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE

Tgt Ion:152 Resp: 376322

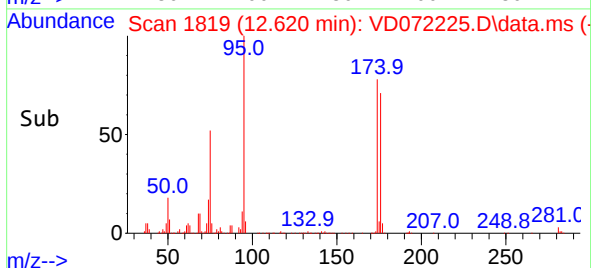
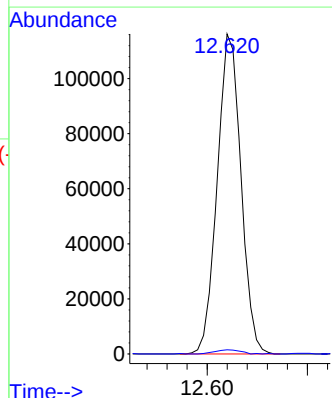
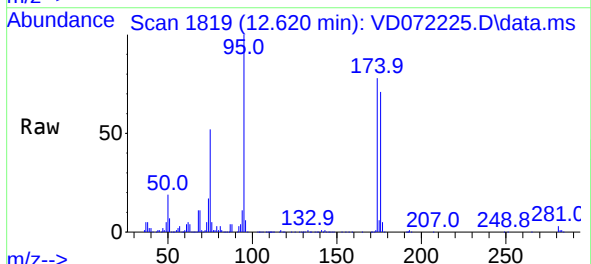
Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.3	93.8
150	156.9	0.0	348.6

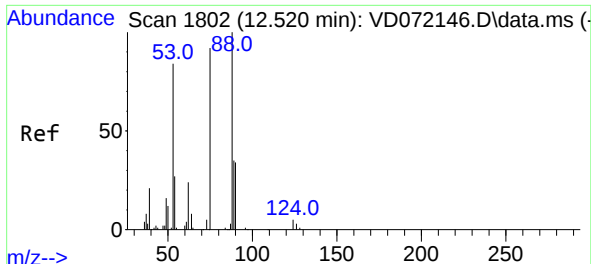


#76
 1,2,3-Trichloropropane
 Concen: 45.862 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072225.D
 Acq: 16 Mar 2022 18:27

Tgt Ion: 75 Resp: 190382

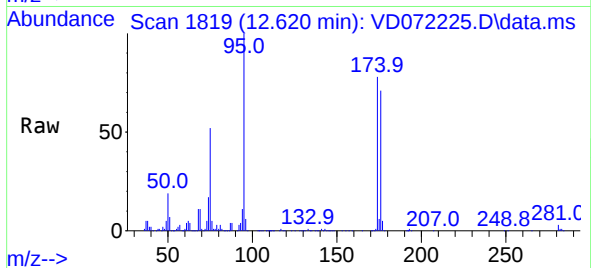
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.789 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD072225.D
 Acq: 16 Mar 2022 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE



Tgt Ion: 75 Resp: 190382
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.5 129.7#
 89 0.0 33.9 50.9#

