

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020422\
 Data File : VD071905.D
 Acq On : 04 Feb 2022 18:18
 Operator : VA/SY
 Sample : N1397-02RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS1-MH-02-3-4RE

Quant Time: Feb 07 04:21:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

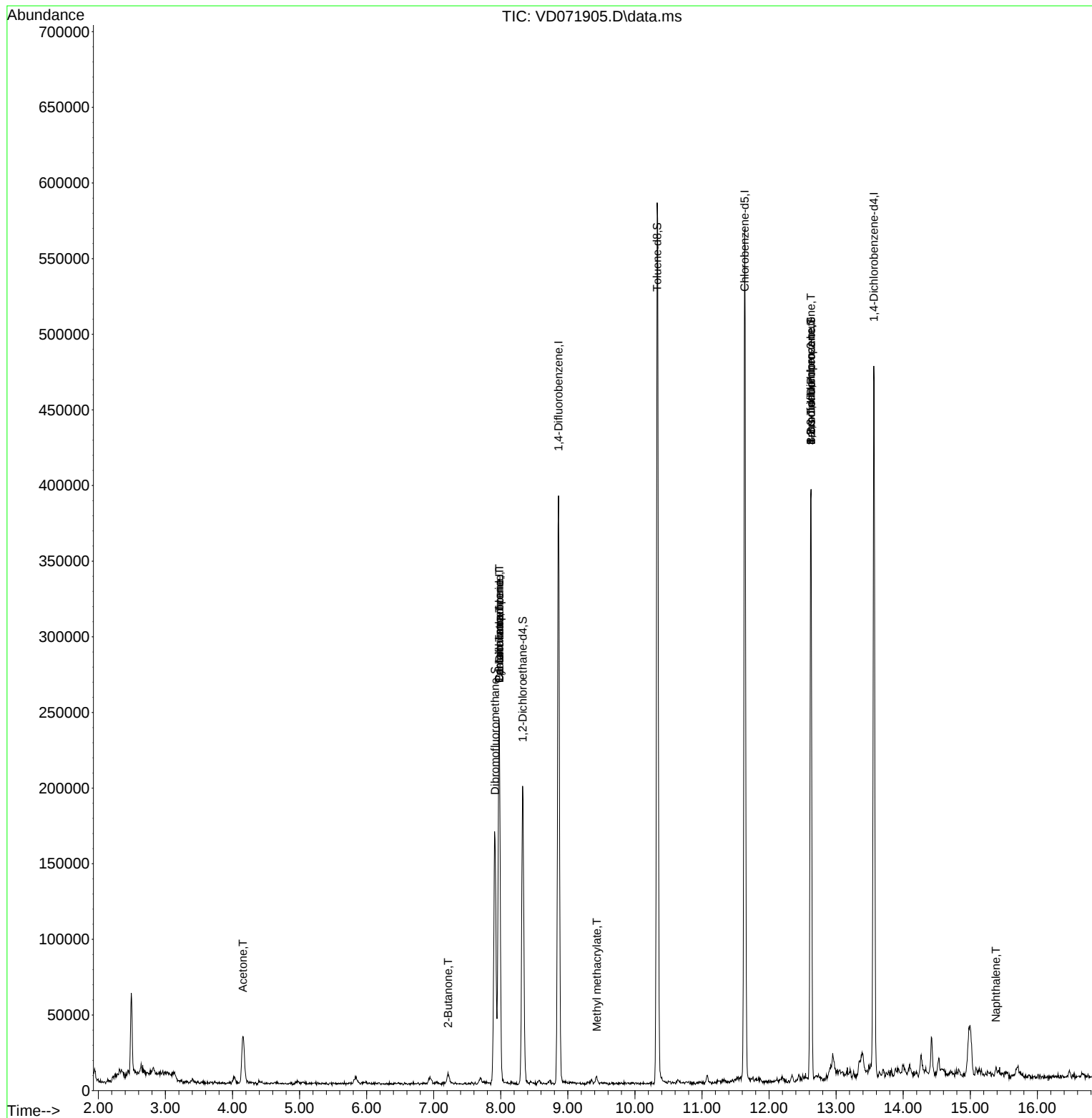
Internal Standards						
1) Pentafluorobenzene	7.979	168	167177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	304894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	299200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	116646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	156073	73.862	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.720%			
35) Dibromofluoromethane	7.914	113	117824	58.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.580%			
50) Toluene-d8	10.332	98	384502	51.371	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.626	95	128642	49.216	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.440%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.238	59	63	Below Cal	#	1
16) Acetone	4.156	43	58999	102.000	ug/l	90
20) Methylene Chloride	4.967	84	1092	Below Cal	#	91
25) 2-Butanone	7.214	43	11450	16.980	ug/l	100
31) Cyclohexane	7.979	56	5181	1.284	ug/l	# 35
36) 1,1-Dichloropropene	7.979	75	15573	4.527	ug/l	# 52
38) Carbon Tetrachloride	7.979	117	18217	5.355	ug/l	# 16
48) Methyl methacrylate	9.432	41	1556	1.023	ug/l	# 19
71) Bromoform	12.626	173	1239	1.008	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	71564	58.215	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	71564	143.137	ug/l	# 7
95) Naphthalene	15.384	128	3547	2.304	ug/l	# 93

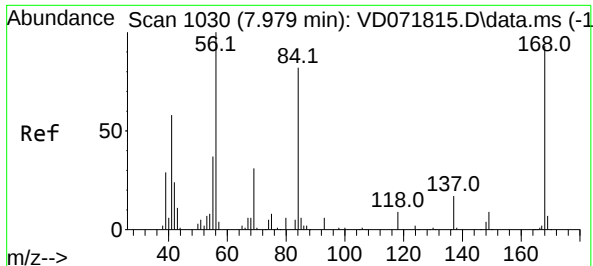
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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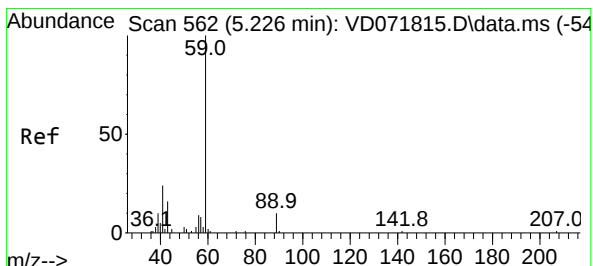
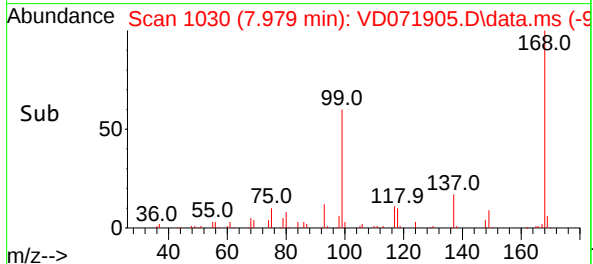
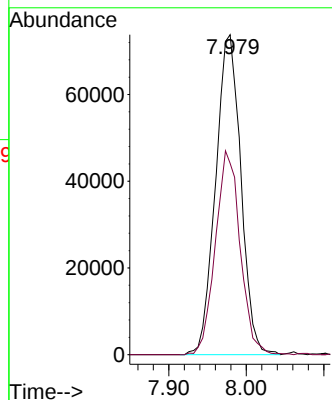
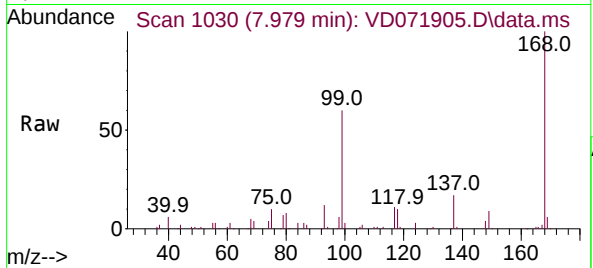




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

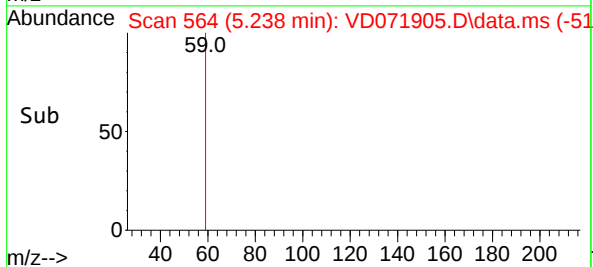
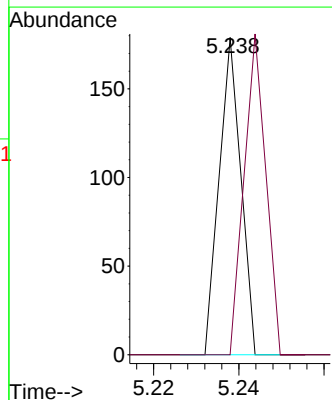
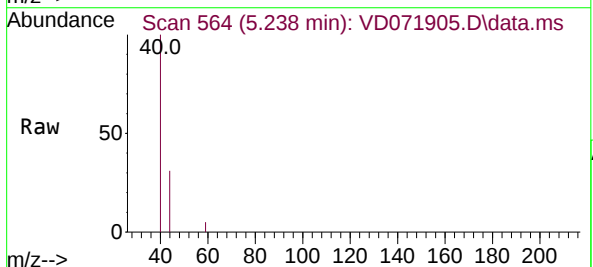
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

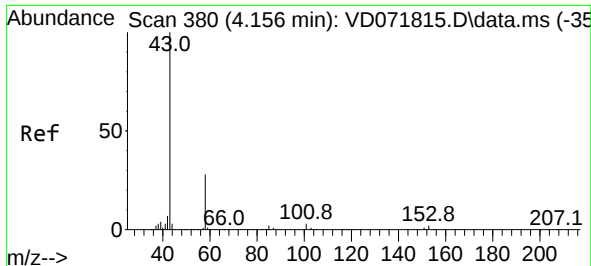
Tgt Ion:168 Resp: 167177
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 101.6 7.8 11.6#

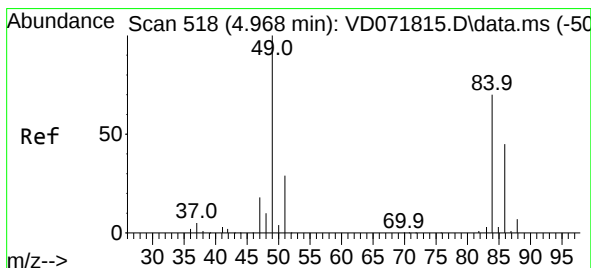
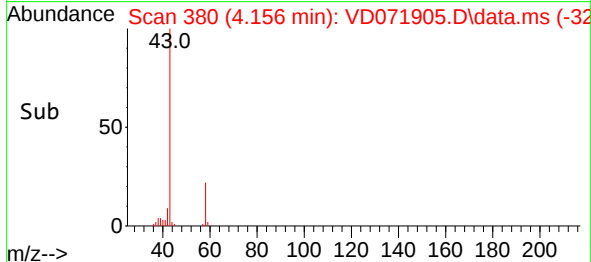
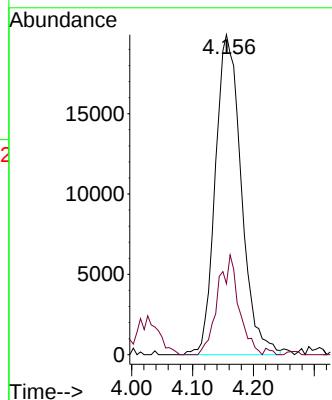
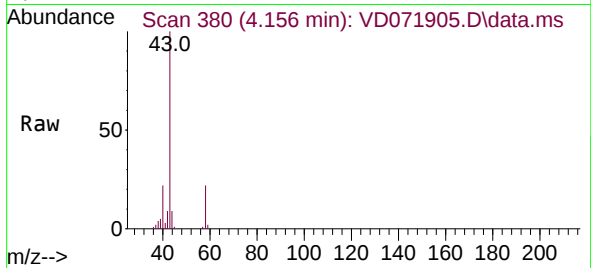




#16
Acetone
Concen: 102.000 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

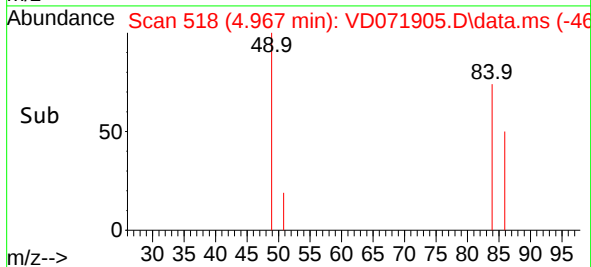
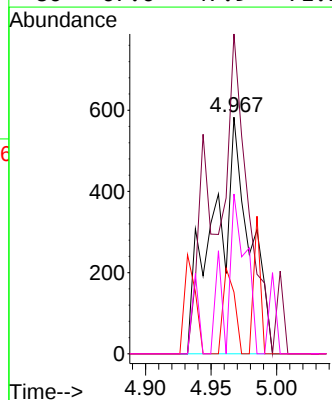
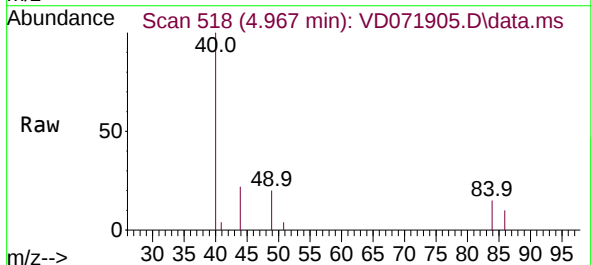
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

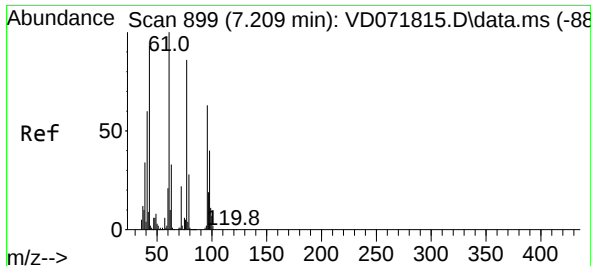
Tgt Ion: 43 Resp: 58999
Ion Ratio Lower Upper
43 100
58 22.1 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 84 Resp: 1092
Ion Ratio Lower Upper
84 100
49 135.2 112.8 169.2
51 26.1 32.6 48.8#
86 67.6 47.9 71.9

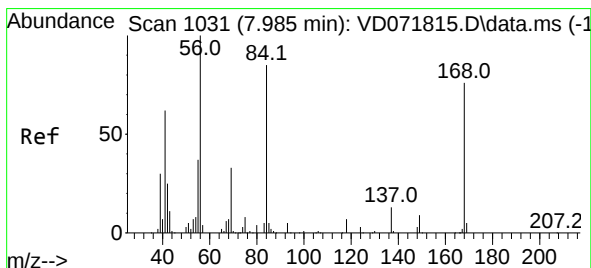
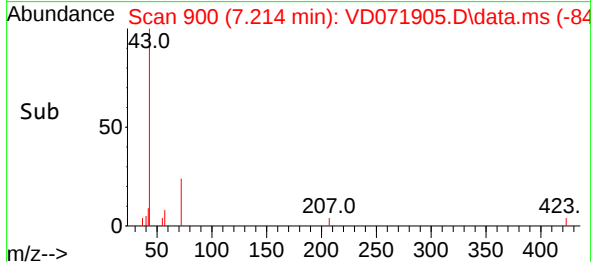
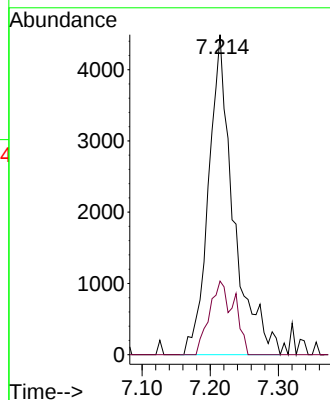
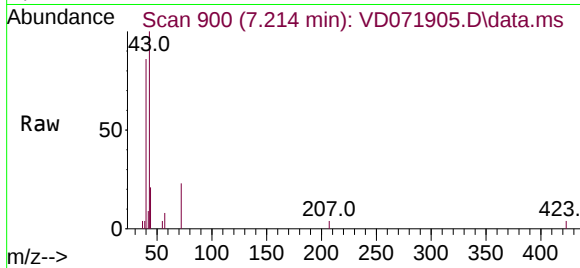




#25
2-Butanone
Concen: 16.980 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

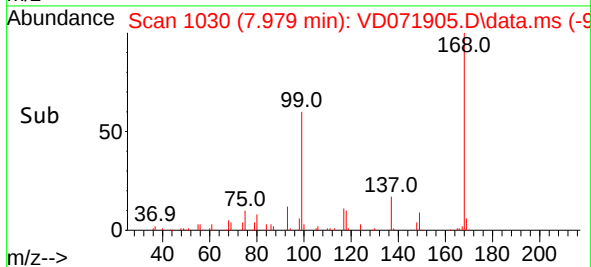
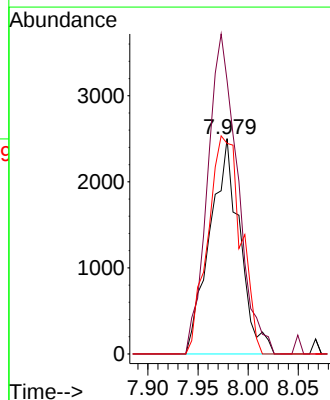
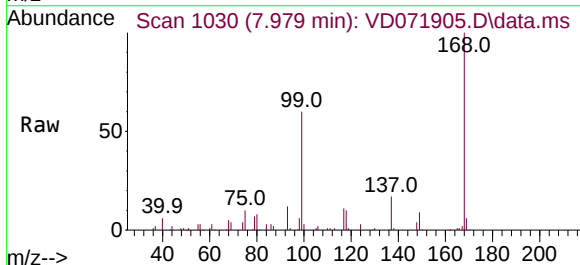
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

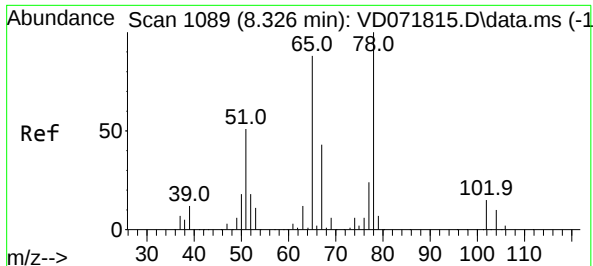
Tgt Ion: 43 Resp: 11450
Ion Ratio Lower Upper
43 100
72 23.0 18.6 27.8



#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 56 Resp: 5181
Ion Ratio Lower Upper
56 100
69 126.9 25.4 38.2#
84 97.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 73.862 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD071905.D

Acq: 04 Feb 2022 18:18

Instrument :

MSVOA_D

ClientSampleId :

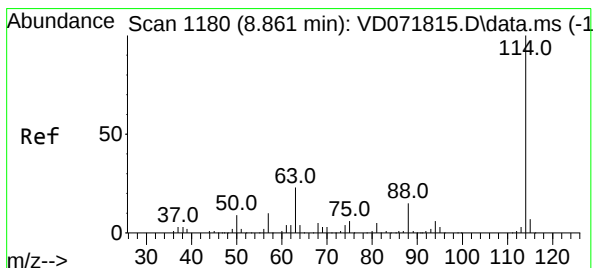
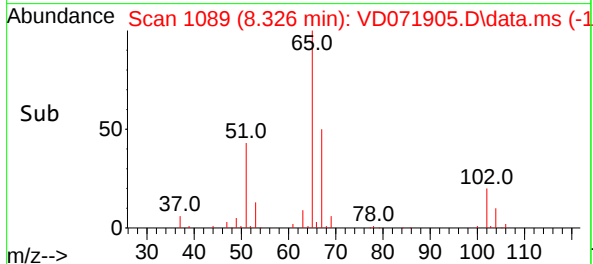
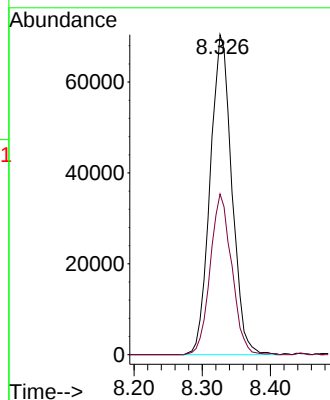
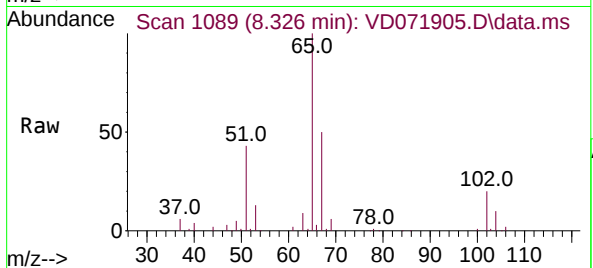
KTS1-MH-02-3-4RE

Tgt Ion: 65 Resp: 156073

Ion Ratio Lower Upper

65 100

67 49.7 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: VD071905.D

Acq: 04 Feb 2022 18:18

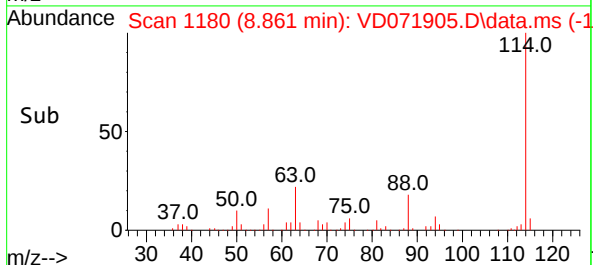
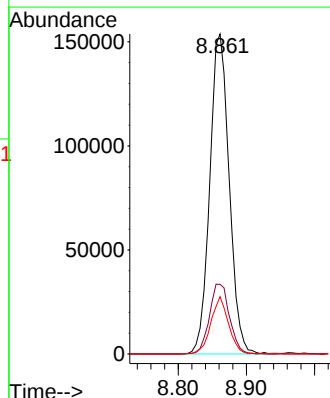
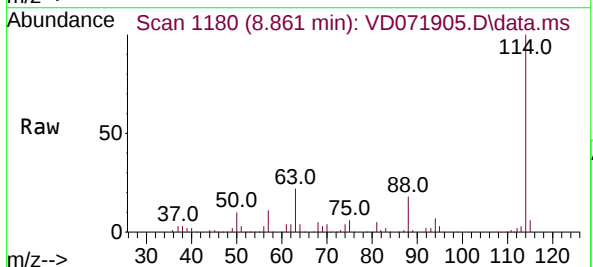
Tgt Ion: 114 Resp: 304894

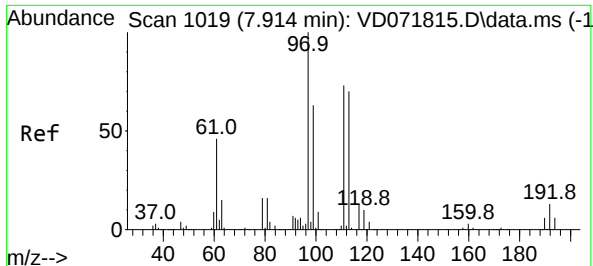
Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

88 17.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 58.790 ug/l

RT: 7.914 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071905.D

Acq: 04 Feb 2022 18:18

Instrument :

MSVOA_D

ClientSampleId :

KTS1-MH-02-3-4RE

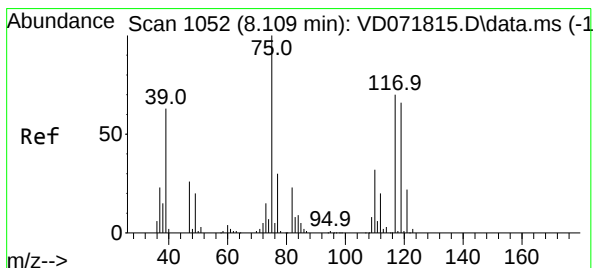
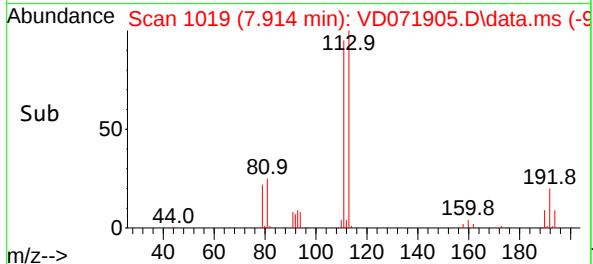
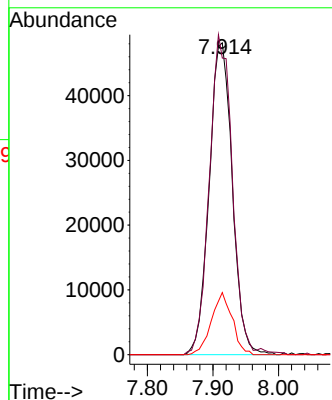
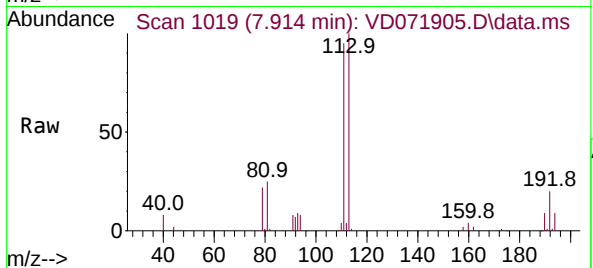
Tgt Ion:113 Resp: 117824

Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 18.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.527 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071905.D

Acq: 04 Feb 2022 18:18

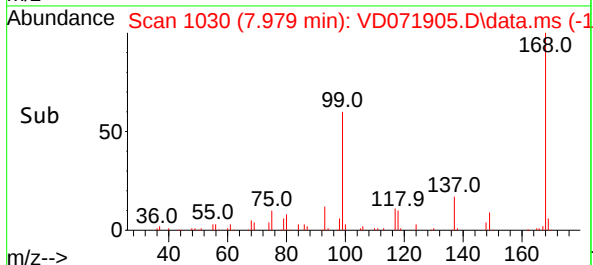
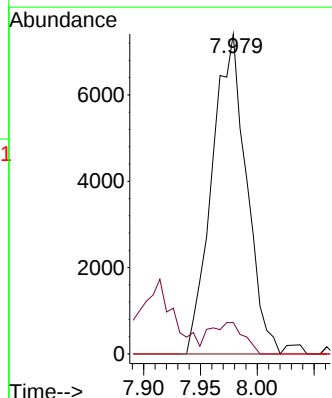
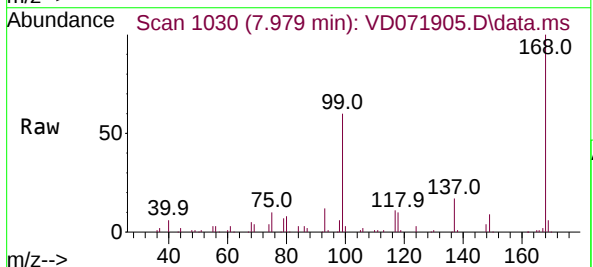
Tgt Ion: 75 Resp: 15573

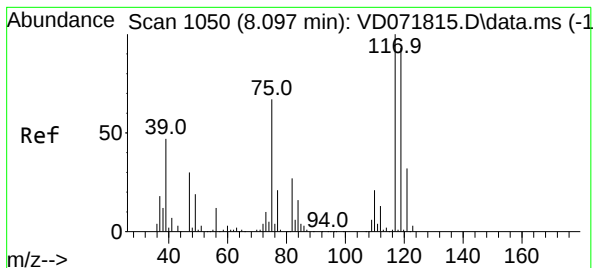
Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.355 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.118 min

Lab File: VD071905.D

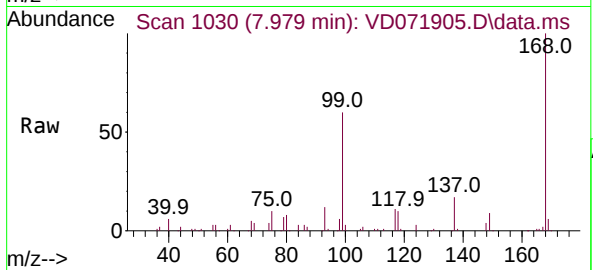
Acq: 04 Feb 2022 18:18

Instrument :

MSVOA_D

ClientSampleId :

KTS1-MH-02-3-4RE



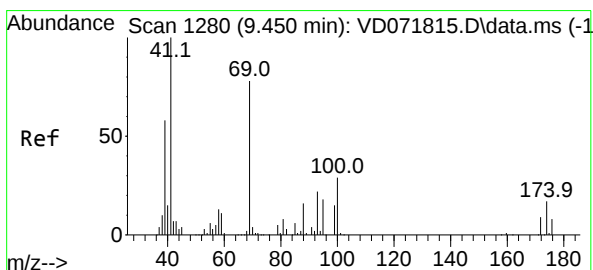
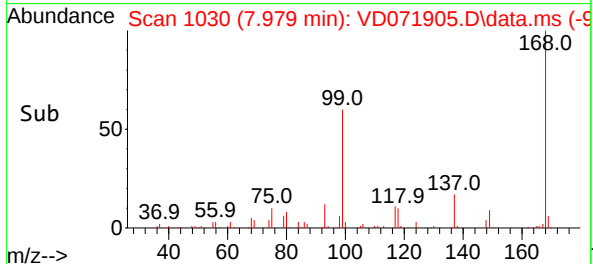
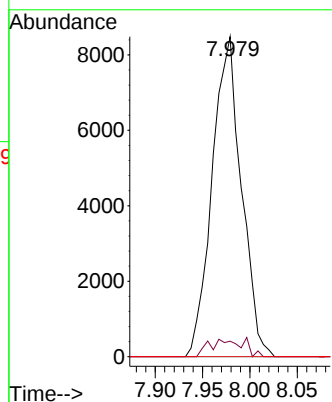
Tgt Ion:117 Resp: 18217

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.5 36.7#



#48

Methyl methacrylate

Concen: 1.023 ug/l

RT: 9.432 min Scan# 1277

Delta R.T. -0.018 min

Lab File: VD071905.D

Acq: 04 Feb 2022 18:18

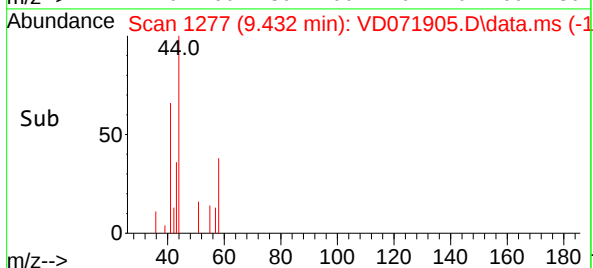
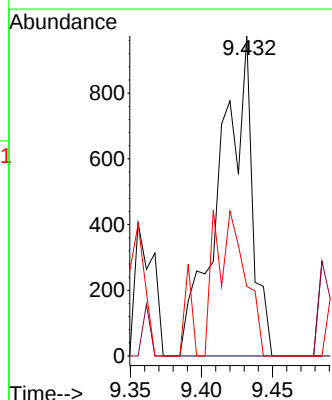
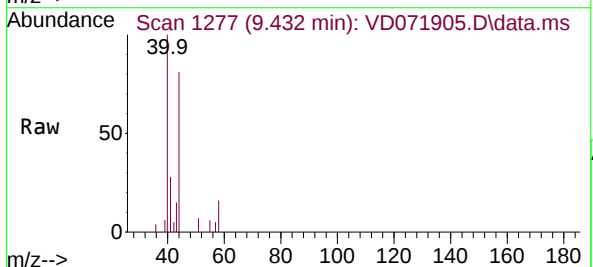
Tgt Ion: 41 Resp: 1556

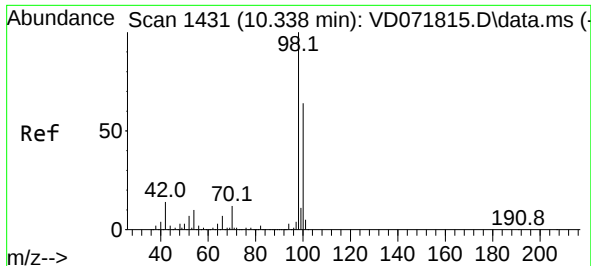
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#

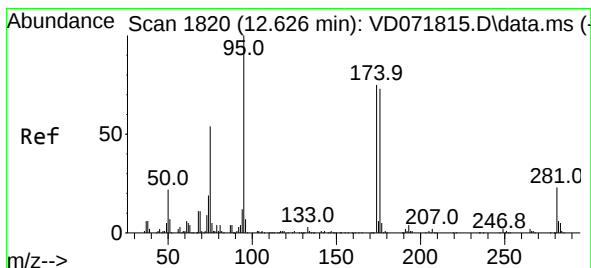
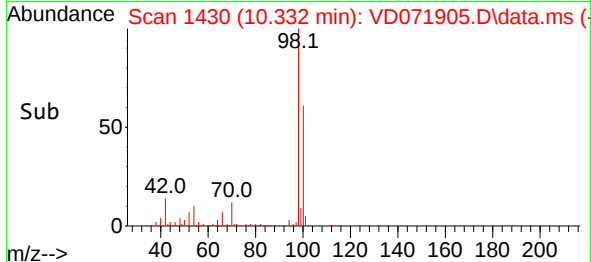
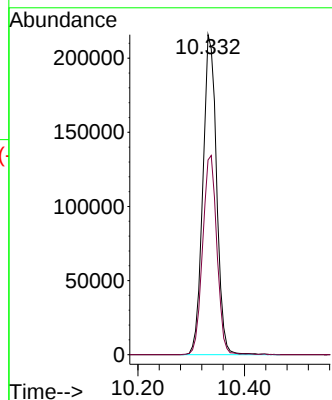
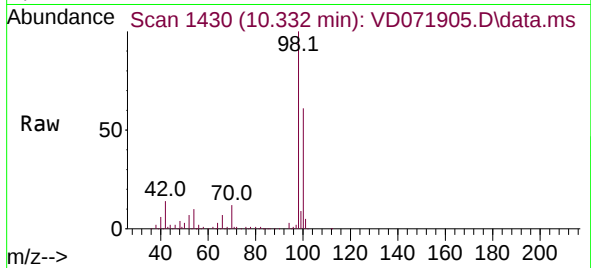




#50
Toluene-d8
Concen: 51.371 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

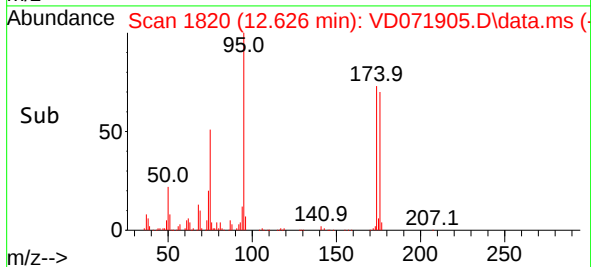
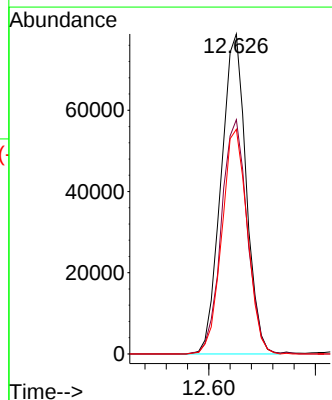
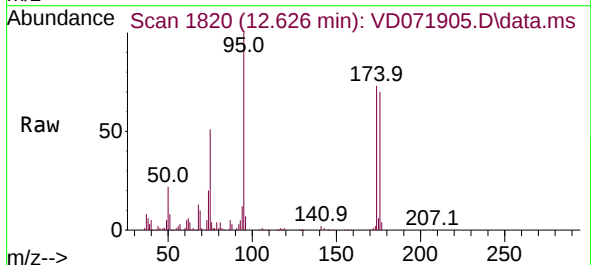
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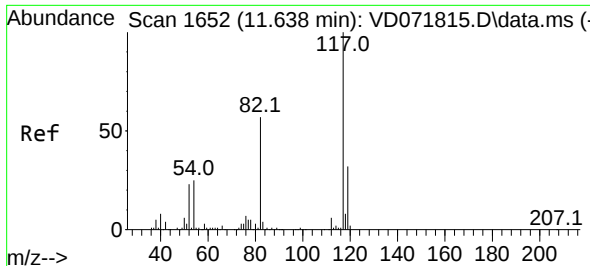
Tgt Ion: 98 Resp: 384502
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.216 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 95 Resp: 128642
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.8
176 71.3 0.0 145.4

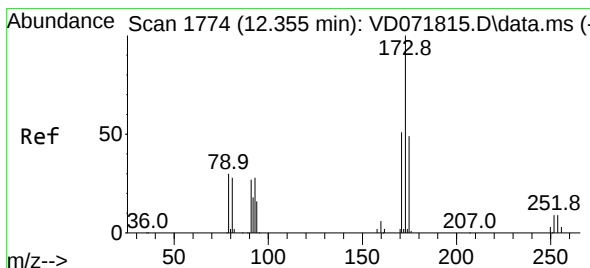
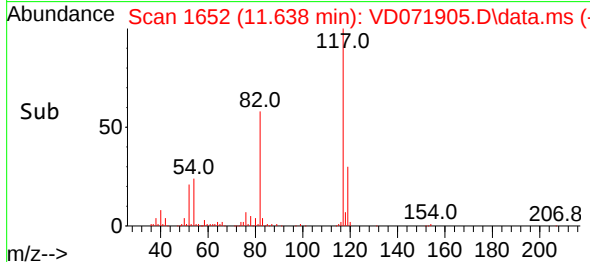
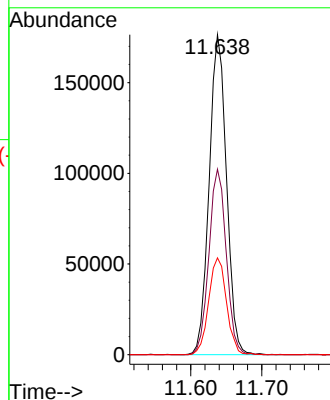
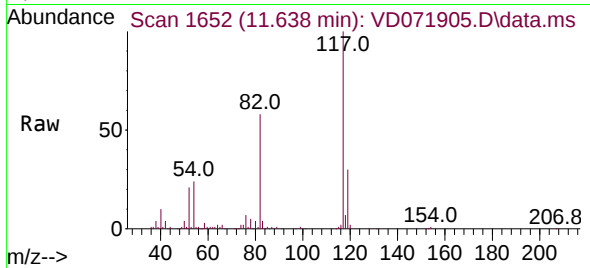




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

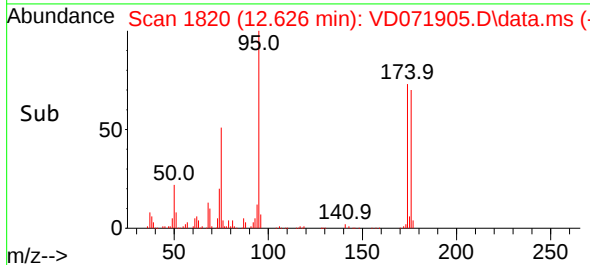
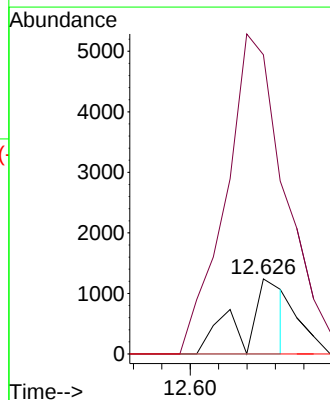
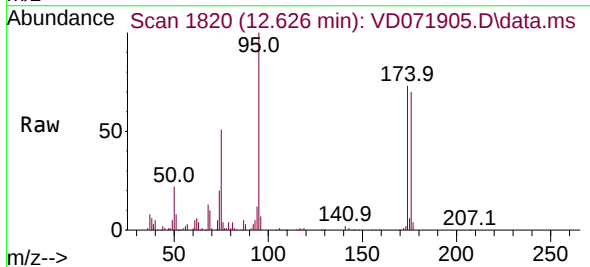
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

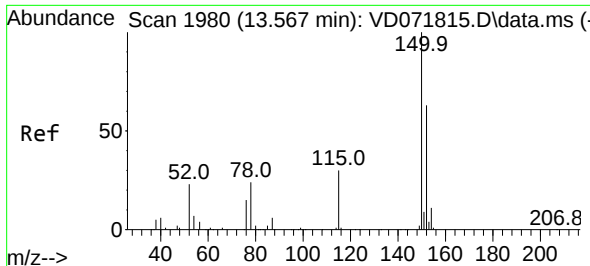
Tgt Ion:117 Resp: 299200
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 30.3 26.6 40.0



#71
Bromoform
Concen: 1.008 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion:173 Resp: 1239
Ion Ratio Lower Upper
173 100
175 526.4 23.9 71.8#
254 0.0 0.0 0.0

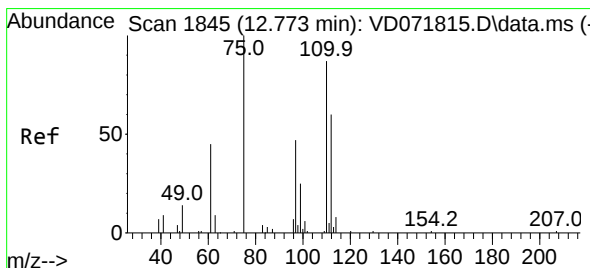
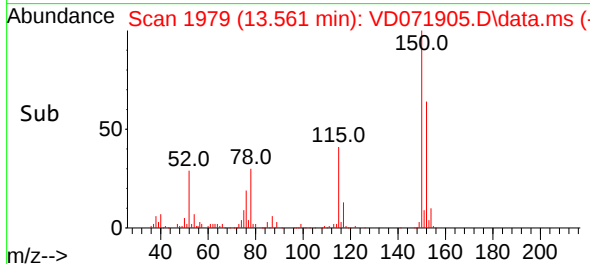
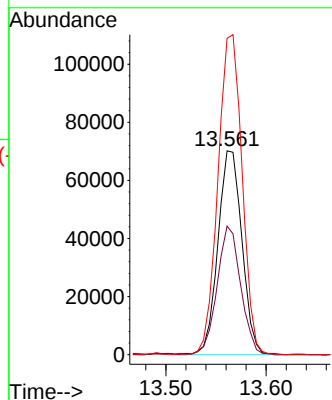
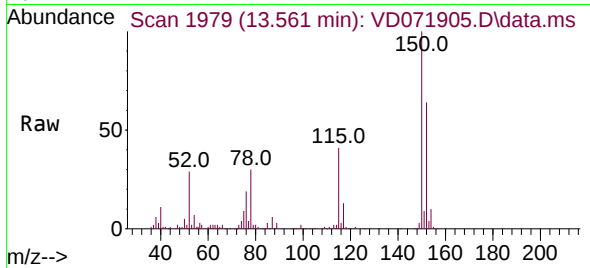




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

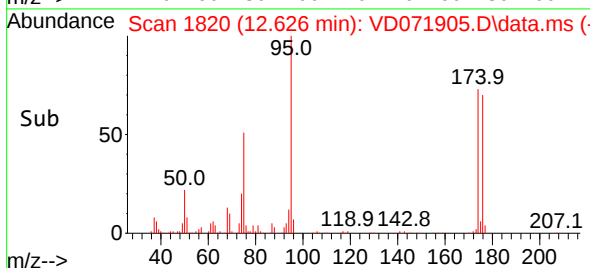
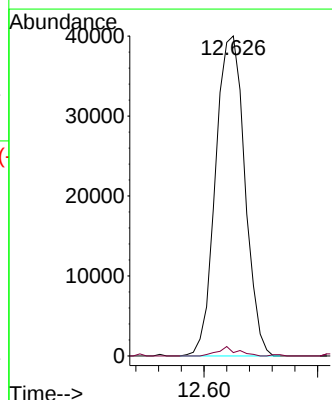
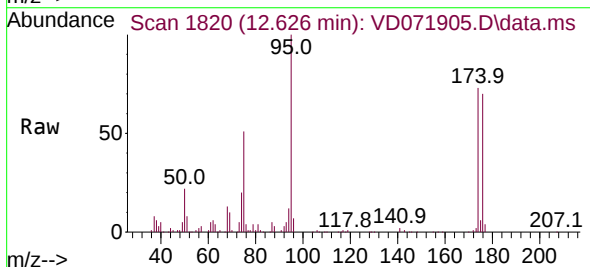
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

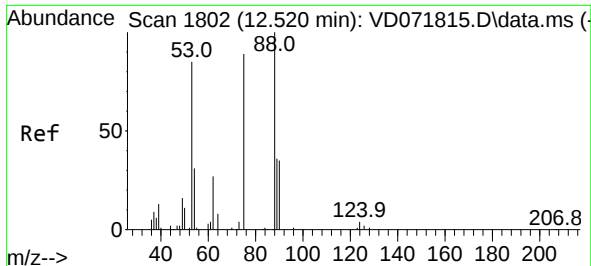
Tgt Ion:152 Resp: 116646
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 157.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 58.215 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 75 Resp: 71564
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

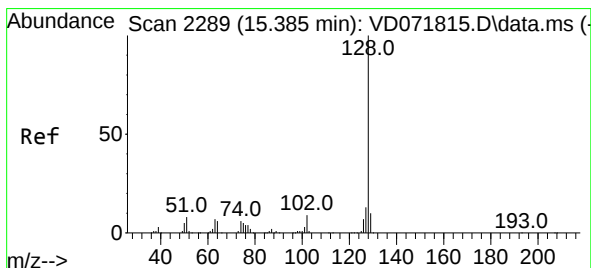
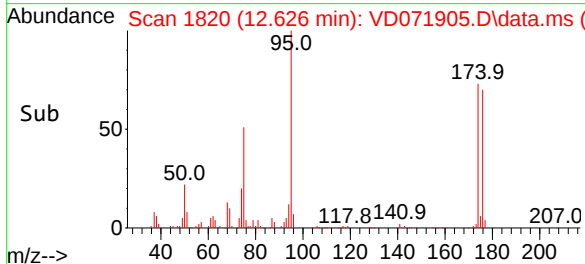
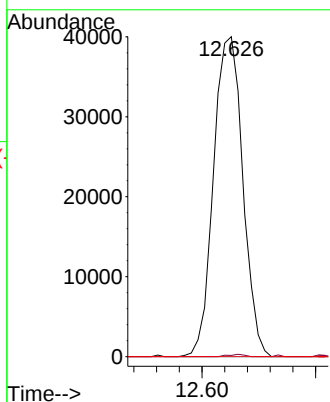
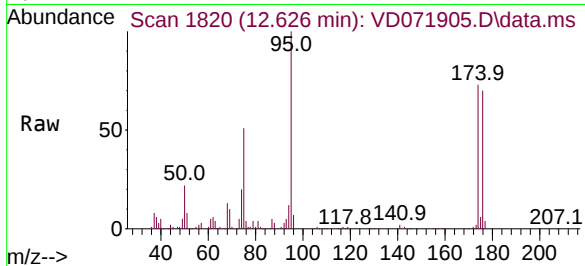




#81
trans-1,4-Dichloro-2-butene
Concen: 143.137 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4RE

Tgt Ion: 75 Resp: 71564
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 2.304 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071905.D
Acq: 04 Feb 2022 18:18

Tgt Ion: 128 Resp: 3547
Ion Ratio Lower Upper
128 100
127 15.3 10.3 15.5
129 13.3 8.4 12.6#

