

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072519.D
 Acq On : 04 Apr 2022 15:27
 Operator : VA/SY
 Sample : N2238-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966

Quant Time: Apr 05 03:20:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

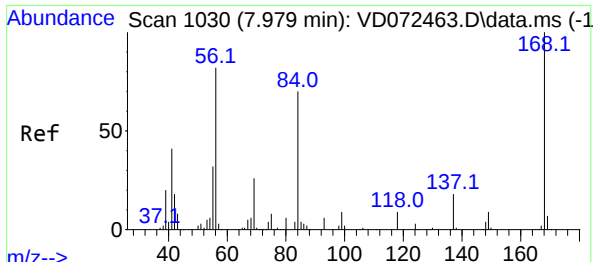
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	459342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	855723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	811576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	355210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266598	47.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.960%		
35) Dibromofluoromethane	7.909	113	285682	42.959	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.920%		
50) Toluene-d8	10.332	98	1050472	45.443	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.880%		
62) 4-Bromofluorobenzene	12.626	95	347113	38.449	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.900%		
Target Compounds						Qvalue
10) Methyl Iodide	4.320	142	665	3.856	ug/l #	56
14) Allyl chloride	4.962	41	2530	1.468	ug/l #	22
16) Acetone	4.156	43	1134	1.094	ug/l #	47
17) Carbon Disulfide	4.409	76	2113	3.845	ug/l #	74
20) Methylene Chloride	4.973	84	60604	9.825	ug/l #	82
23) Vinyl Acetate	6.303	43	115	6.301	ug/l #	75
31) Cyclohexane	7.979	56	10019	1.379	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	36877	5.366	ug/l #	52
38) Carbon Tetrachloride	7.979	117	48934	5.341	ug/l #	16
39) Methylcyclohexane	9.350	83	461	2.921	ug/l #	17
41) Methacrylonitrile	7.544	41	89	1.700	ug/l #	27
51) 4-Methyl-2-Pentanone	10.332	43	4060	1.119	ug/l #	1
56) Ethyl methacrylate	10.650	69	150	1.214	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	176396	45.532	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	176396	111.726	ug/l #	7

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

Quant Time: Apr 05 03:20:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. 0.000 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

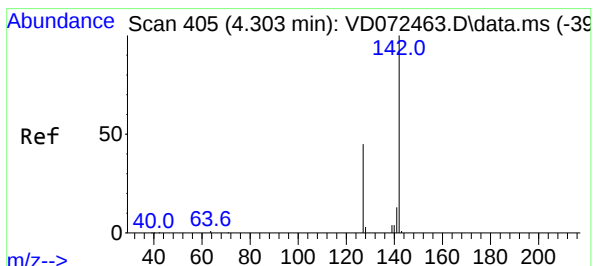
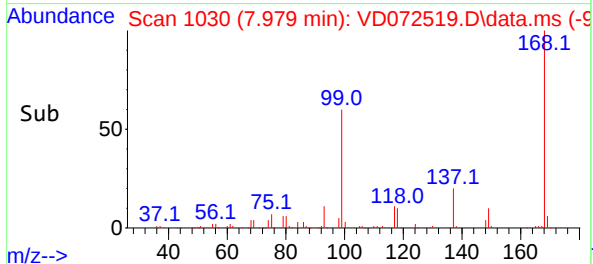
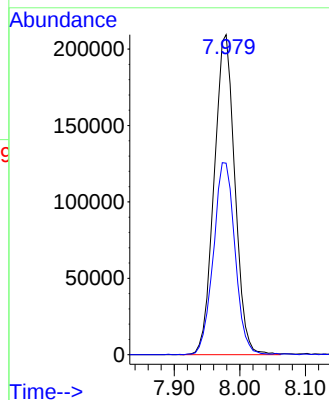
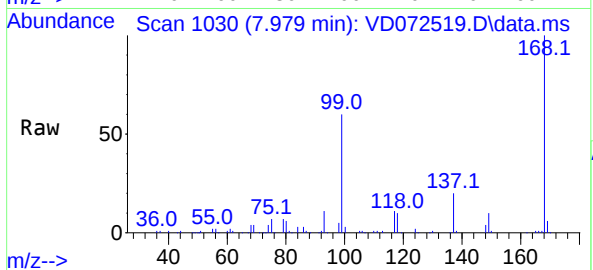
72-11966

Tgt Ion:168 Resp: 459342

Ion Ratio Lower Upper

168 100

99 59.8 49.8 74.6



#10

Methyl Iodide

Concen: 3.856 ug/l

RT: 4.320 min Scan# 408

Delta R.T. 0.017 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

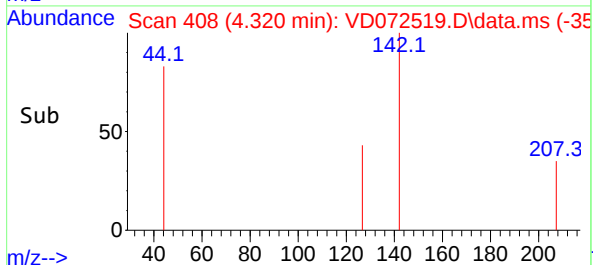
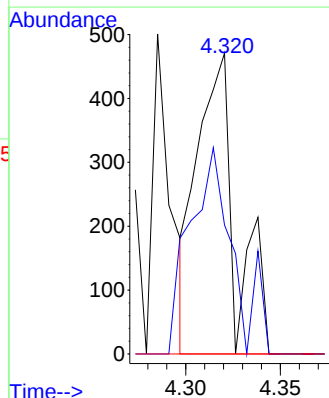
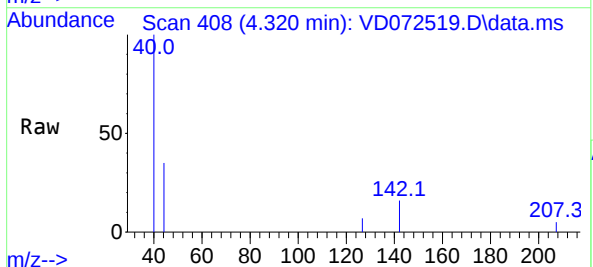
Tgt Ion:142 Resp: 665

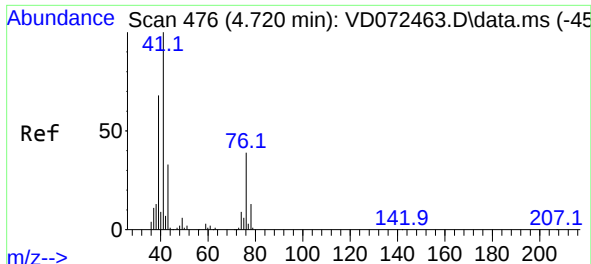
Ion Ratio Lower Upper

142 100

127 77.4 37.3 55.9#

141 0.0 11.7 17.5#

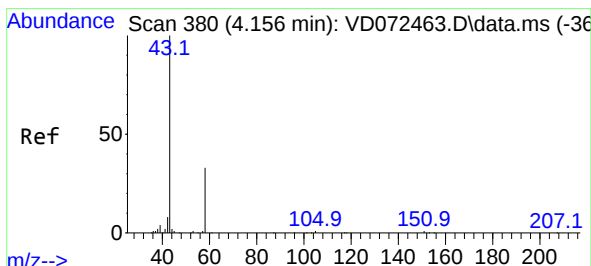
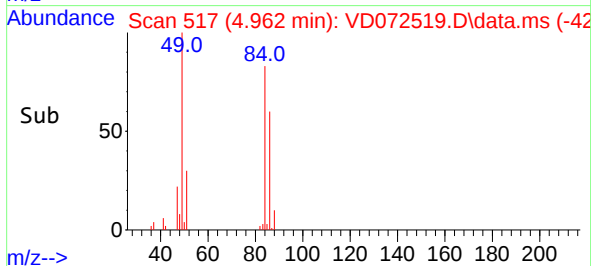
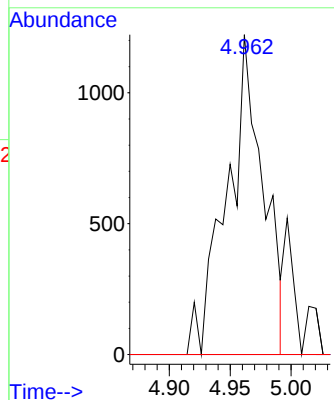
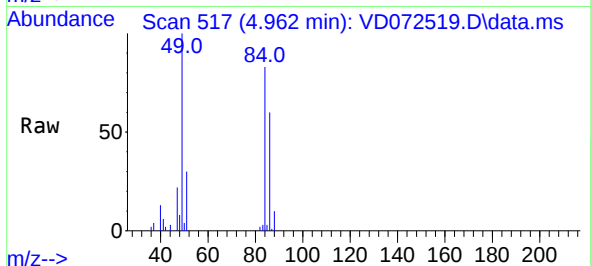




#14
Allyl chloride
Concen: 1.468 ug/l
RT: 4.962 min Scan# 51
Delta R.T. 0.242 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

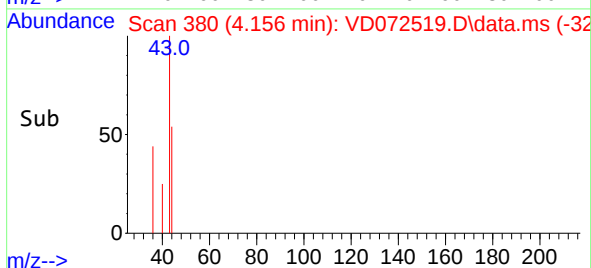
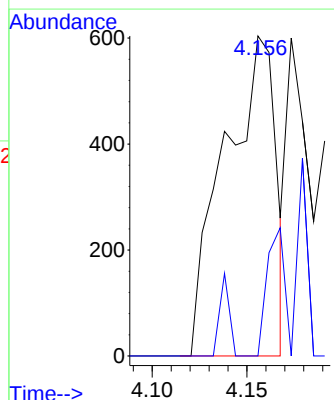
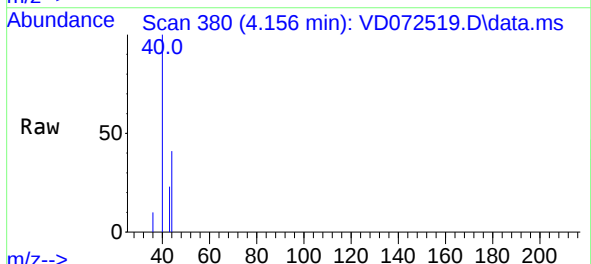
Instrument :
MSVOA_D
ClientSampleId :
72-11966

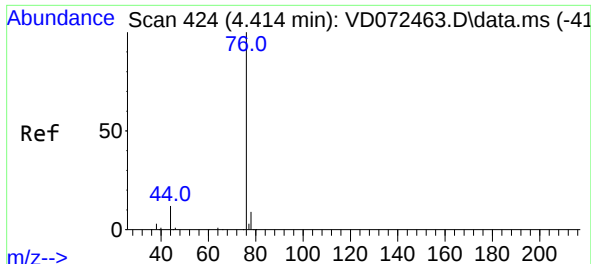
Tgt Ion: 41 Resp: 2530
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#



#16
Acetone
Concen: 1.094 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#17

Carbon Disulfide

Concen: 3.845 ug/l

RT: 4.409 min Scan# 41

Delta R.T. -0.005 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

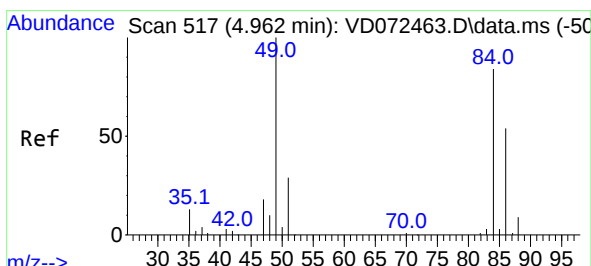
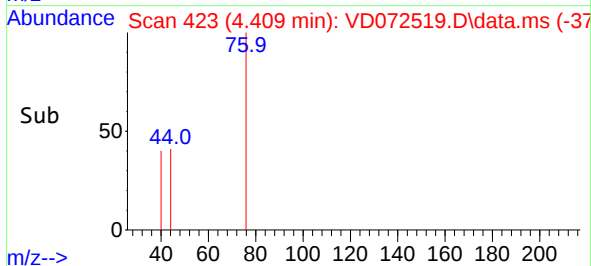
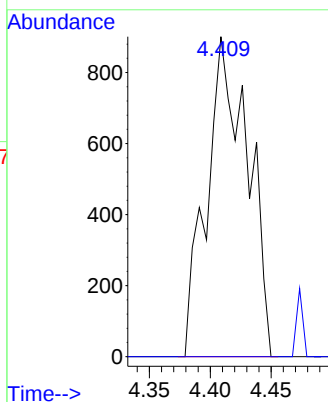
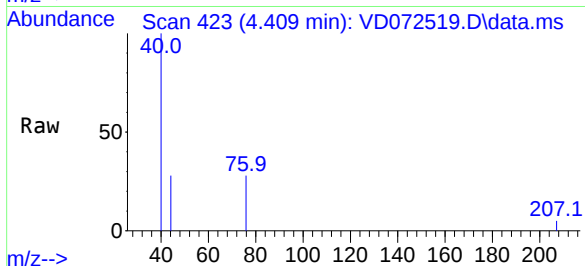
72-11966

Tgt Ion: 76 Resp: 2113

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 9.825 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.012 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

Tgt Ion: 84 Resp: 60604

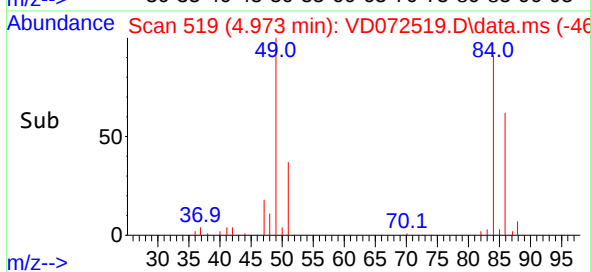
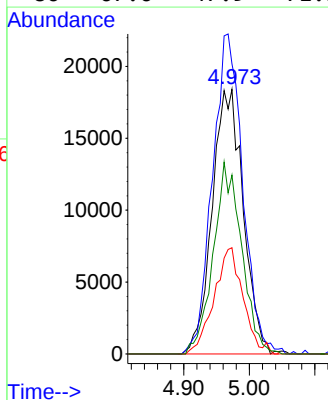
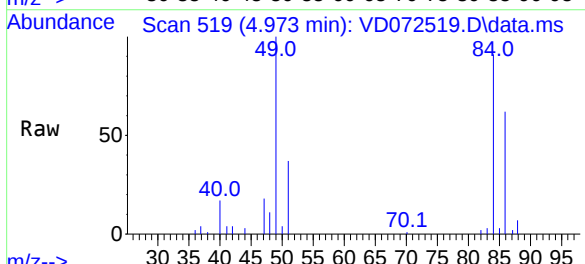
Ion Ratio Lower Upper

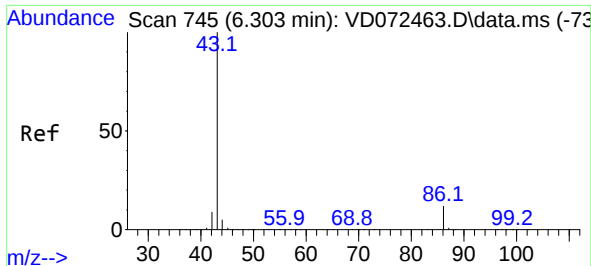
84 100

49 109.6 112.8 169.2#

51 40.1 32.6 48.8

86 67.6 47.9 71.9

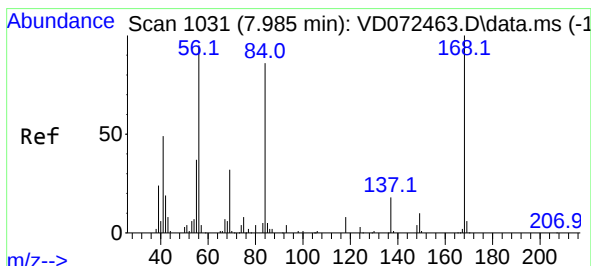
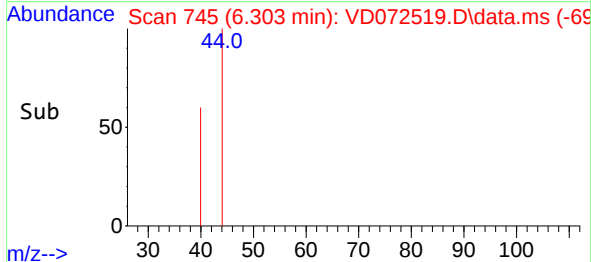
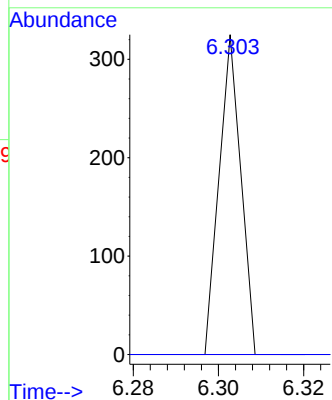
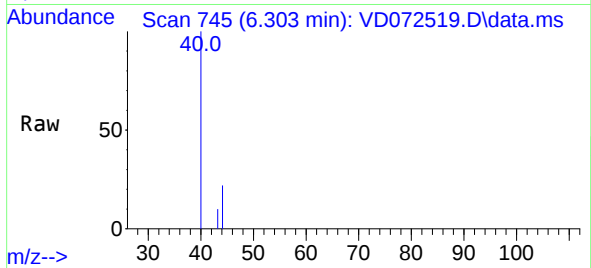




#23
 Vinyl Acetate
 Concen: 6.301 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072519.D
 Acq: 04 Apr 2022 15:27

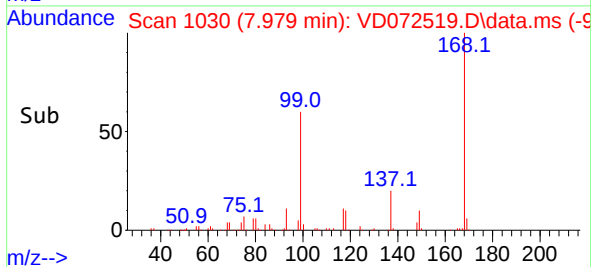
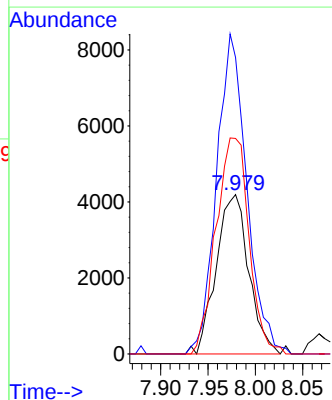
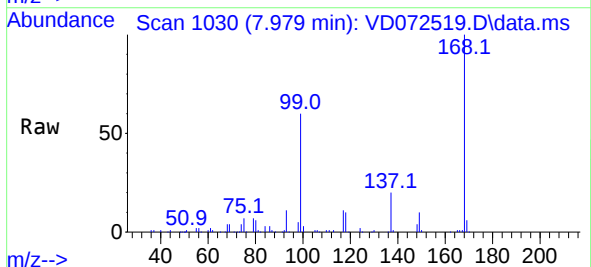
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966

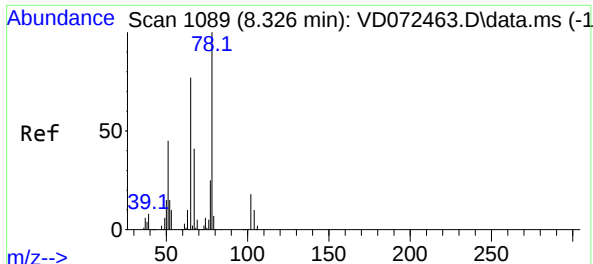
Tgt Ion: 43 Resp: 115
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.379 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD072519.D
 Acq: 04 Apr 2022 15:27

Tgt Ion: 56 Resp: 10019
 Ion Ratio Lower Upper
 56 100
 69 185.9 25.4 38.2#
 84 135.1 63.0 94.4#

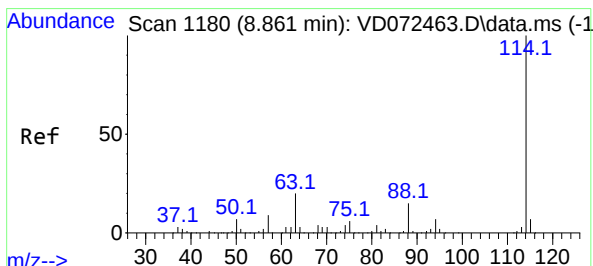
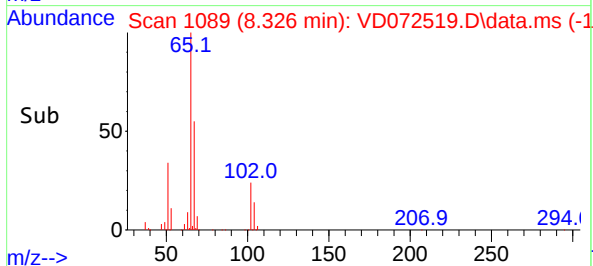
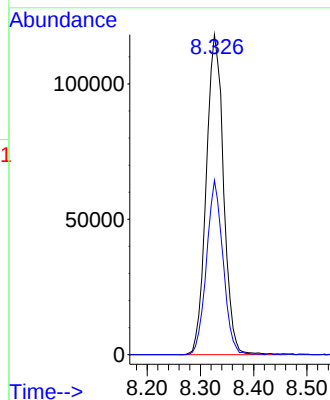
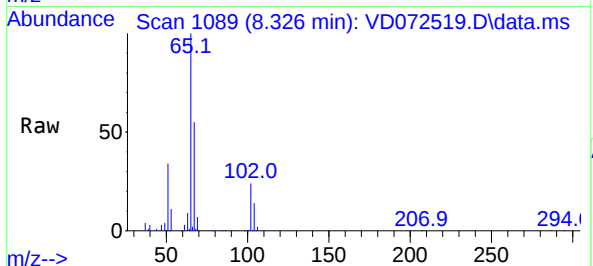




#33
1,2-Dichloroethane-d4
Concen: 47.978 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

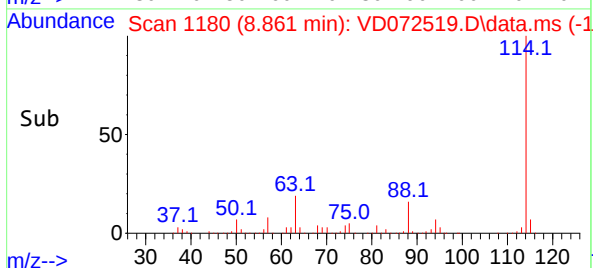
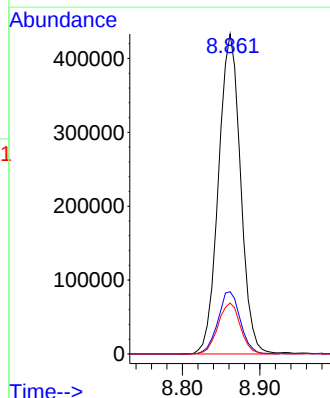
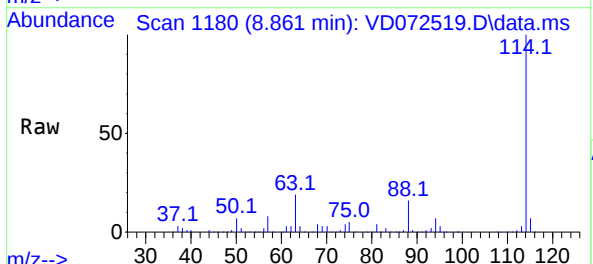
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ClientSampleId :
72-11966

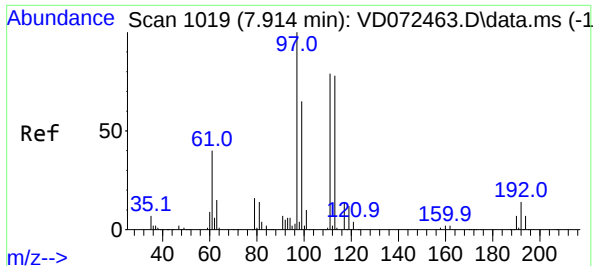
Tgt Ion: 65 Resp: 266598
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Tgt Ion: 114 Resp: 855723
Ion Ratio Lower Upper
114 100
63 19.4 0.0 46.6
88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 42.959 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

Instrument :

MSVOA_D

ClientSampleId :

72-11966

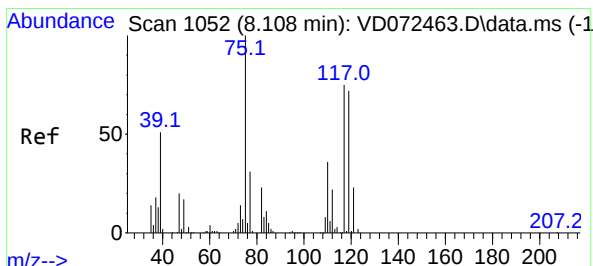
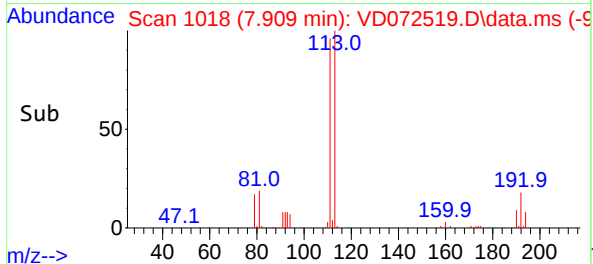
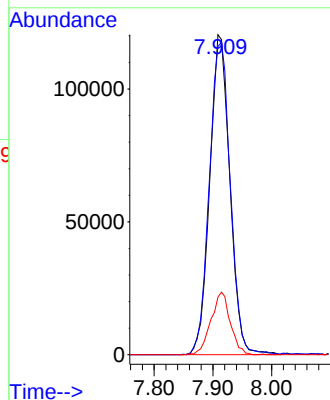
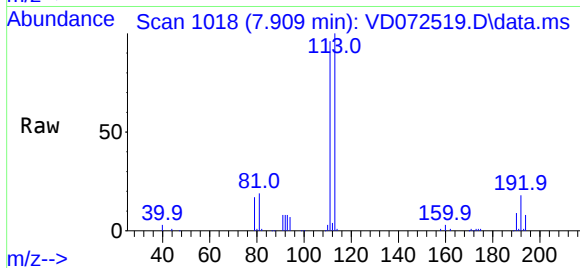
Tgt Ion:113 Resp: 285682

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.366 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072519.D

Acq: 04 Apr 2022 15:27

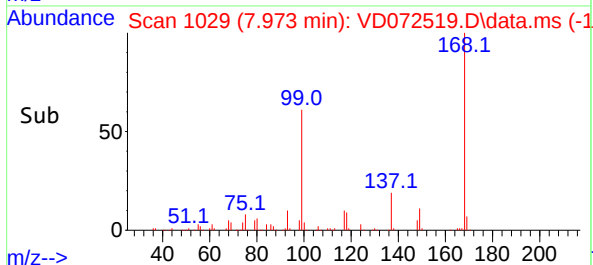
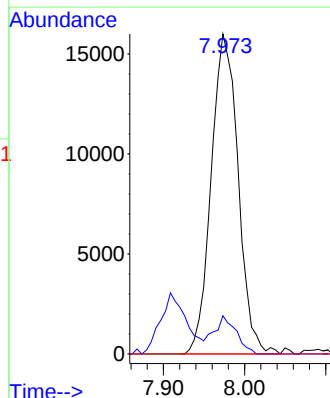
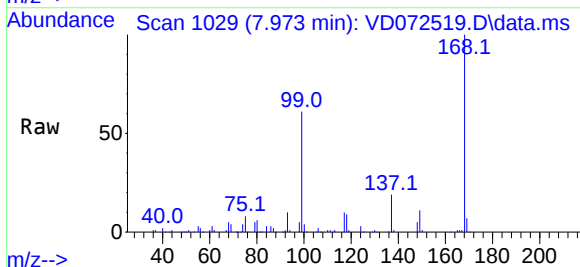
Tgt Ion: 75 Resp: 36877

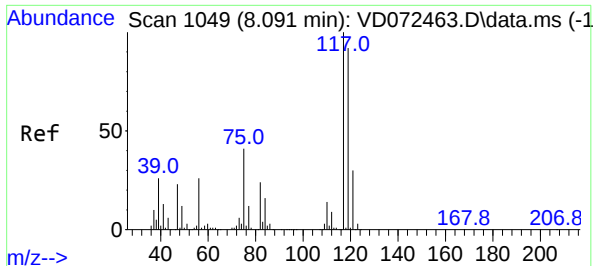
Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.0 24.2 36.2#

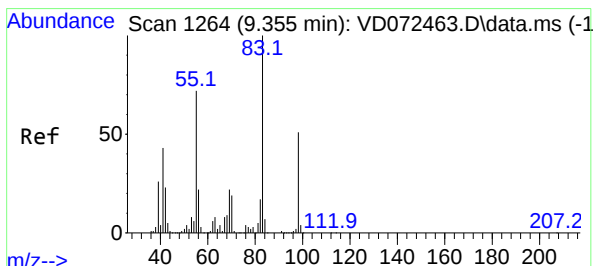
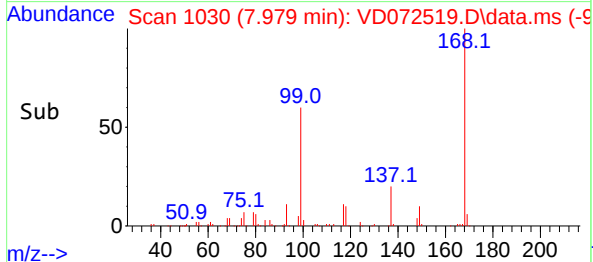
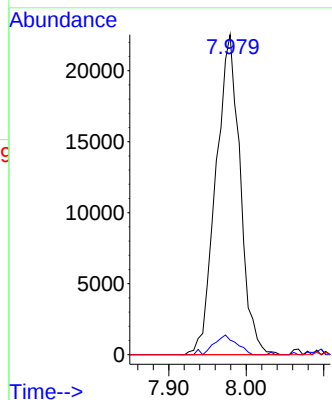
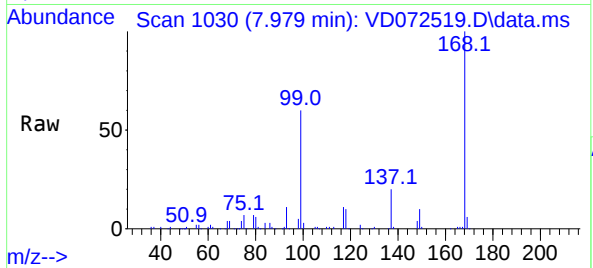




#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

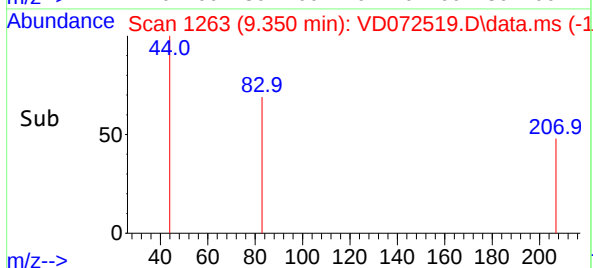
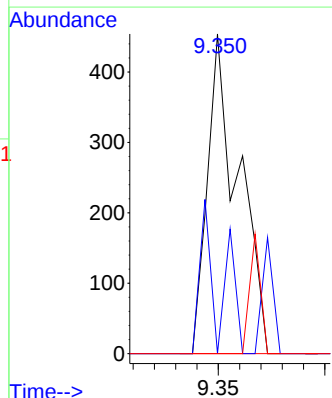
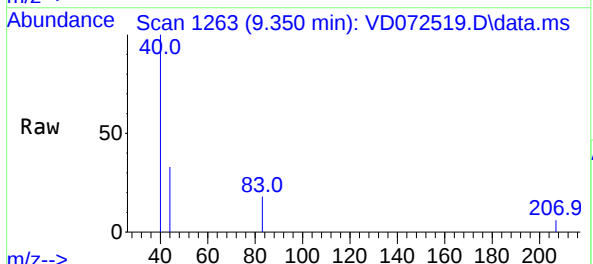
Instrument :
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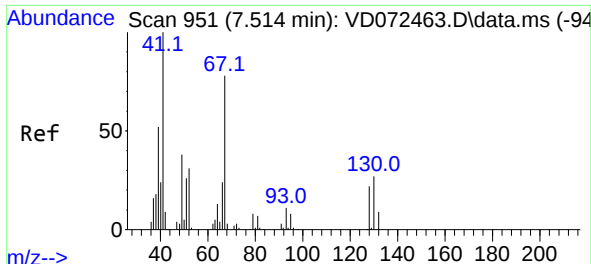
Tgt Ion:117 Resp: 48934
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.921 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Tgt Ion: 83 Resp: 461
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

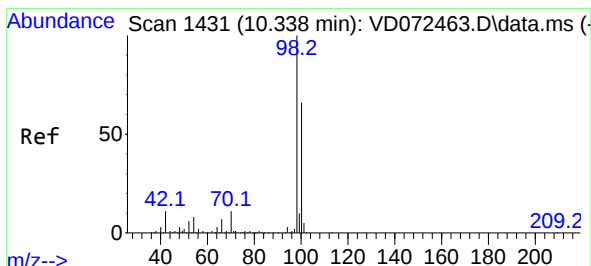
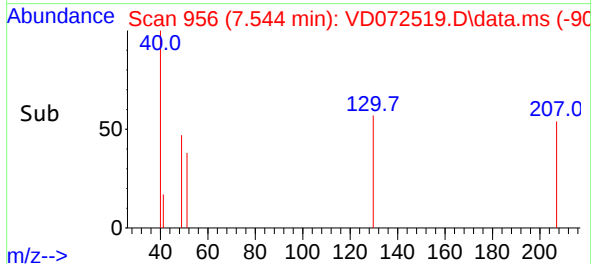
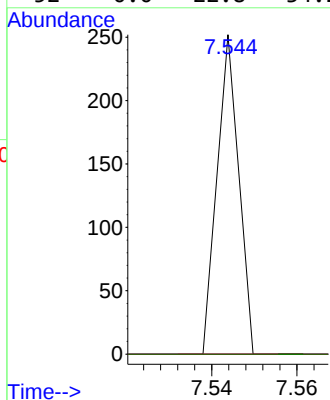
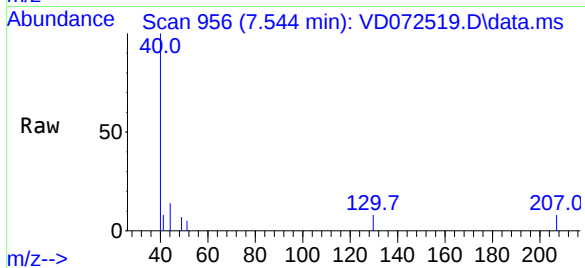




#41
Methacrylonitrile
Concen: 1.700 ug/l
RT: 7.544 min Scan# 91
Delta R.T. 0.030 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

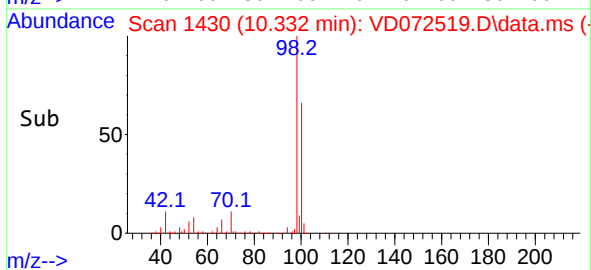
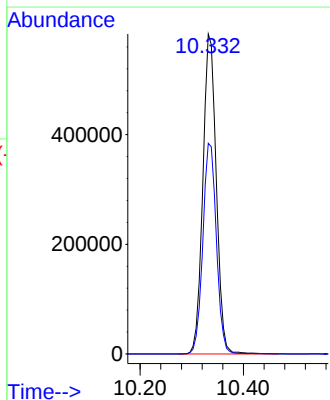
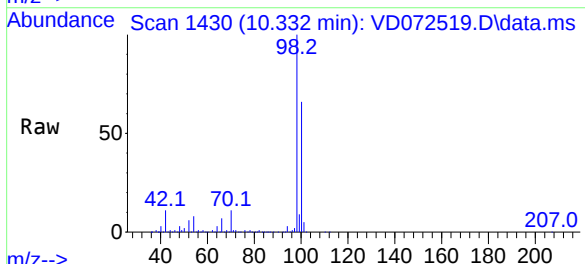
Instrument :
MSVOA_D
ClientSampleId :
72-11966

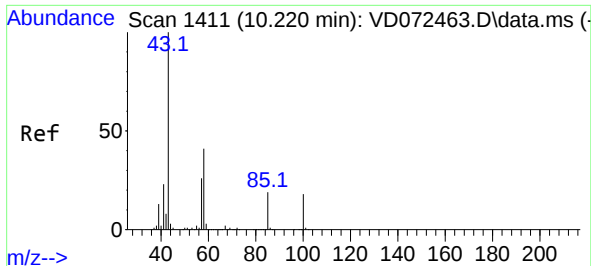
Tgt Ion:	41	Resp:	89
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 45.443 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Tgt Ion:	98	Resp:	1050472
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.4	78.6

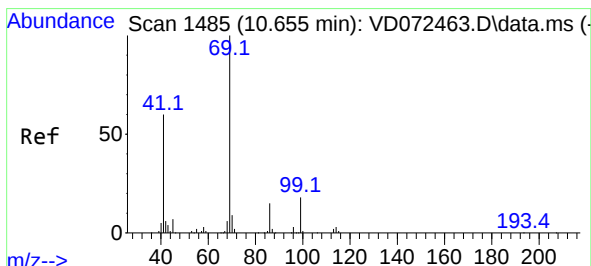
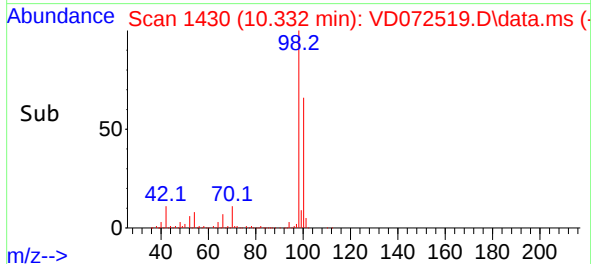
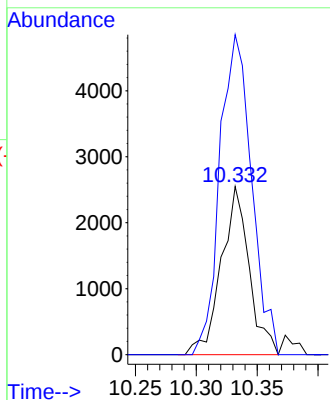
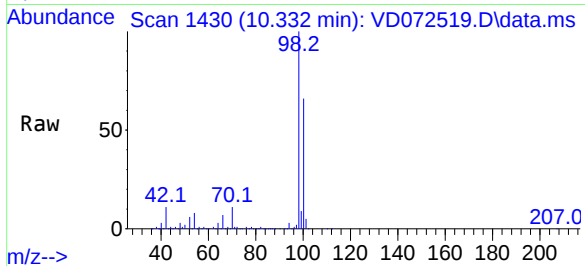




#51
4-Methyl-2-Pentanone
Concen: 1.119 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

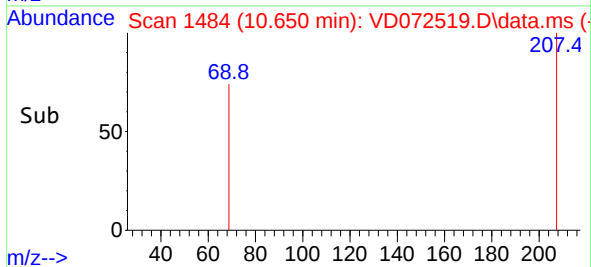
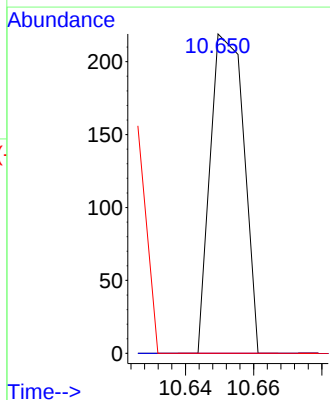
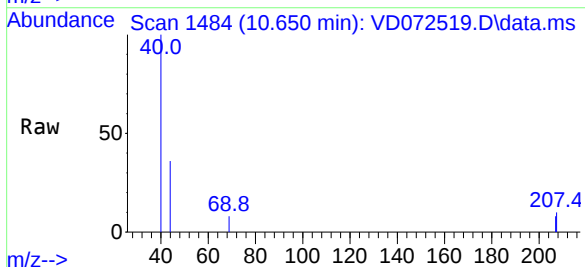
Instrument :
MSVOA_D
ClientSampleId :
72-11966

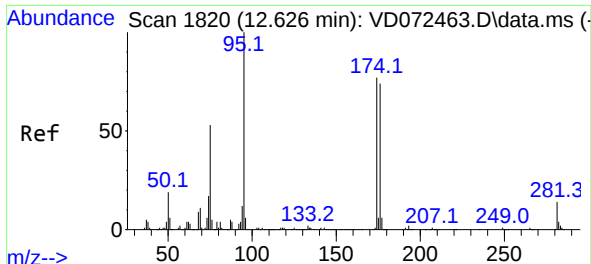
Tgt Ion: 43 Resp: 4060
Ion Ratio Lower Upper
43 100
58 216.6 28.6 43.0#



#56
Ethyl methacrylate
Concen: 1.214 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Tgt Ion: 69 Resp: 150
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

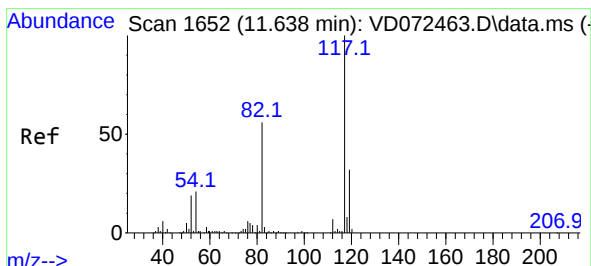
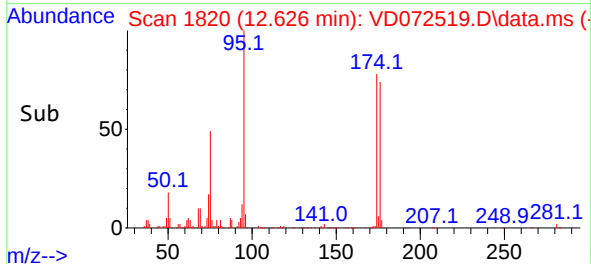
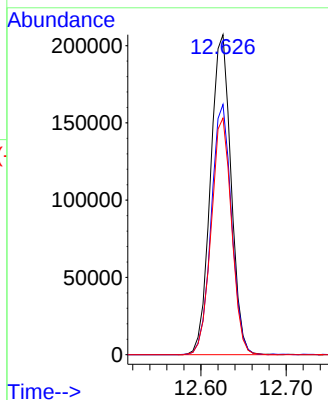
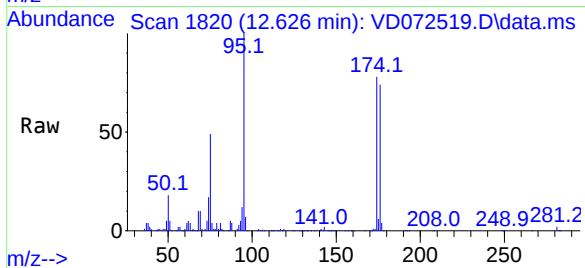




#62
4-Bromofluorobenzene
Concen: 38.449 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

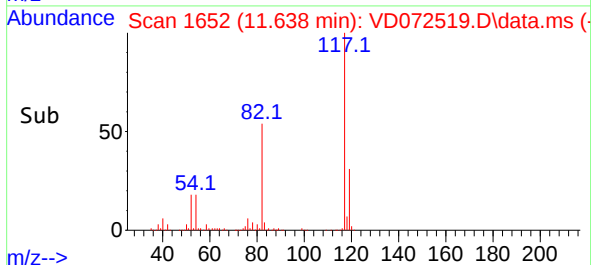
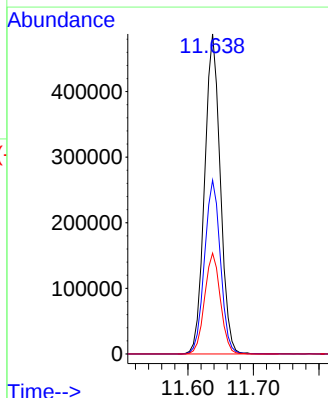
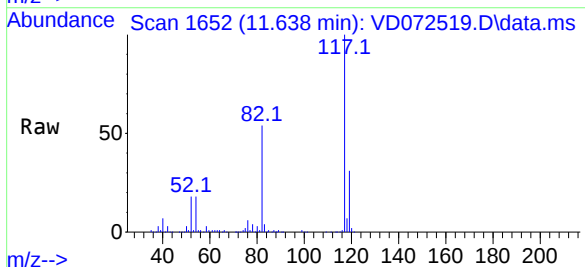
Instrument :
MSVOA_D
ClientSampleId :
72-11966

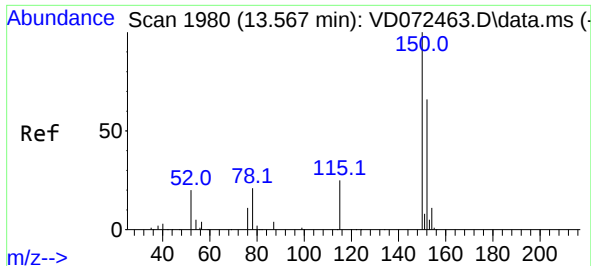
Tgt Ion: 95 Resp: 347113
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

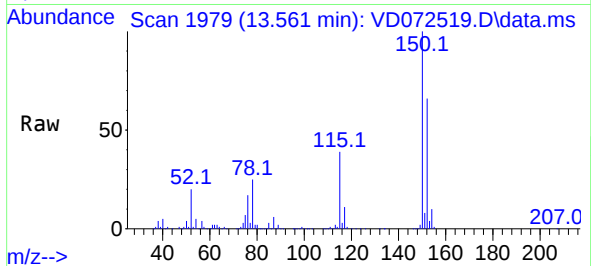
Tgt Ion: 117 Resp: 811576
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 31.5 26.6 40.0



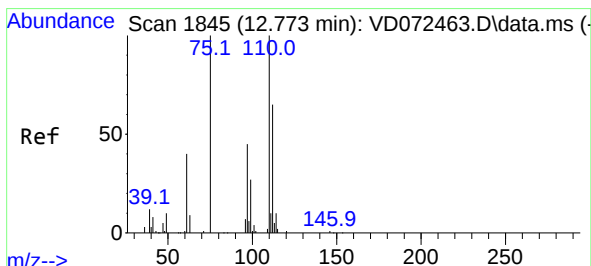
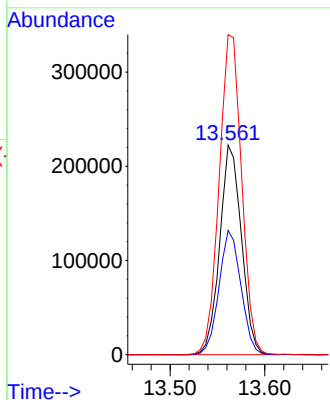
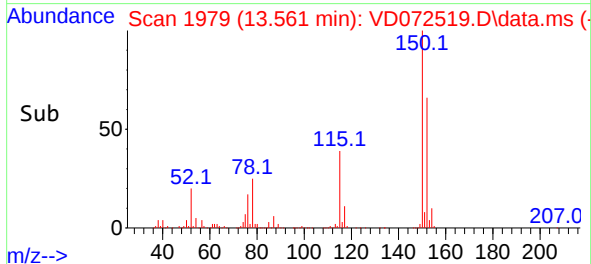


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

Instrument :
MSVOA_D
ClientSampleId :
72-11966

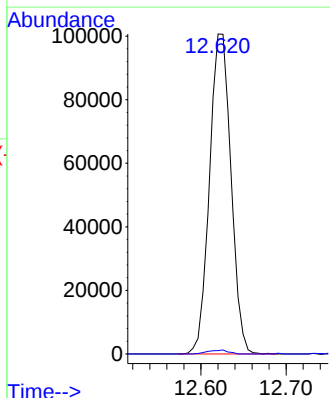
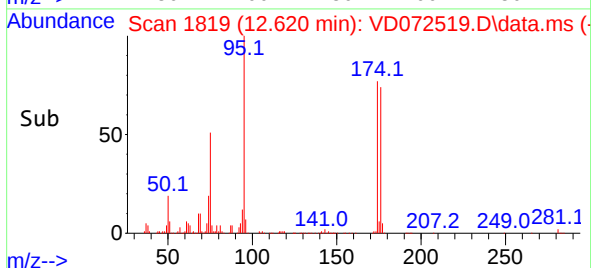
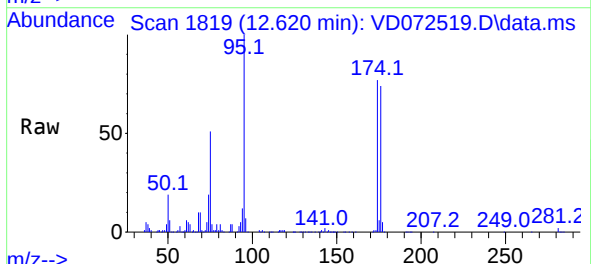


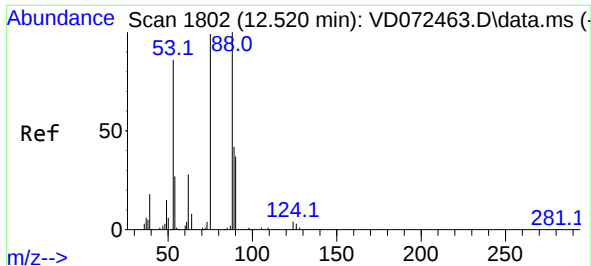
Tgt Ion:152 Resp: 355210
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 158.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.532 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072519.D
Acq: 04 Apr 2022 15:27

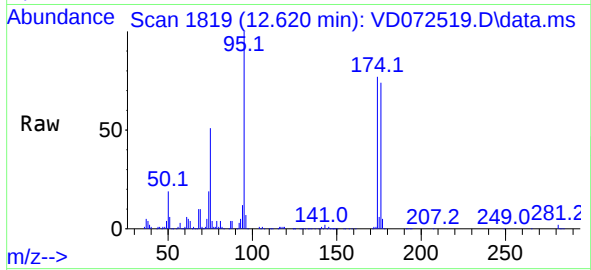
Tgt Ion: 75 Resp: 176396
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.726 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD072519.D
 Acq: 04 Apr 2022 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966



Tgt Ion: 75 Resp: 176396
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

