

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071419.D
 Acq On : 21 Dec 2021 19:12
 Operator : VA/SY
 Sample : M5182-04
 Misc : 5.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

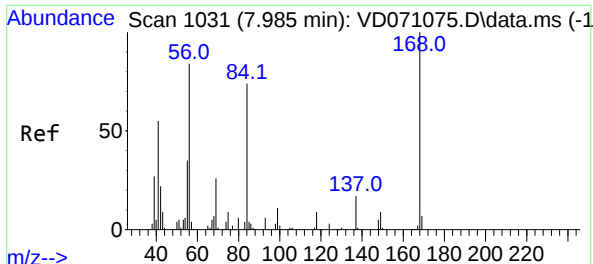
Quant Time: Dec 21 20:01:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	459786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	825292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	699167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	191524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278124	51.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.100%	
35) Dibromofluoromethane	7.914	113	259215	49.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.640%	
50) Toluene-d8	10.332	98	1022082	51.106	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.626	95	287898	41.529	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.060%	
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	1119	4.750	ug/l #	58
11) Tert butyl alcohol	5.244	59	192	Below Cal	#	71
16) Acetone	4.162	43	32024	50.396	ug/l	94
17) Carbon Disulfide	4.409	76	54218	4.338	ug/l #	94
18) Methyl Acetate	4.726	43	9357	2.351	ug/l #	70
20) Methylene Chloride	4.961	84	42541	3.969	ug/l	90
23) Vinyl Acetate	6.326	43	60	27.224	ug/l #	72
25) 2-Butanone	7.208	43	4248	30.635	ug/l #	88
31) Cyclohexane	7.979	56	14080	1.534	ug/l #	15
36) 1,1-Dichloropropene	7.979	75	41654	5.400	ug/l #	49
38) Carbon Tetrachloride	7.973	117	49629	6.527	ug/l #	17
41) Methacrylonitrile	7.555	41	527	Below Cal	#	29
43) Isopropyl Acetate	8.444	43	1764	5.438	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1529	31.009	ug/l #	34
55) 1,1,2-Trichloroethane	10.767	97	11489	3.064	ug/l #	25
56) Ethyl methacrylate	10.673	69	5355	6.844	ug/l #	1
59) 2-Hexanone	10.949	43	28447	43.233	ug/l #	25
74) N-amyl acetate	12.261	43	50200	17.415	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.702	83	6903	3.023	ug/l	89
76) 1,2,3-Trichloropropane	12.620	75	165368	90.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	165368	193.262	ug/l #	20
83) tert-Butylbenzene	13.214	119	15427	1.571	ug/l	73

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

Quant Time: Dec 21 20:01:55 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

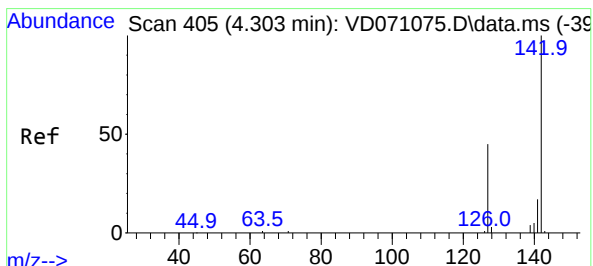
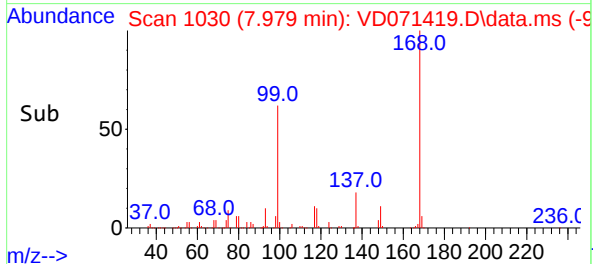
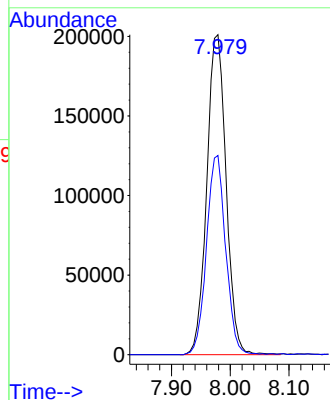
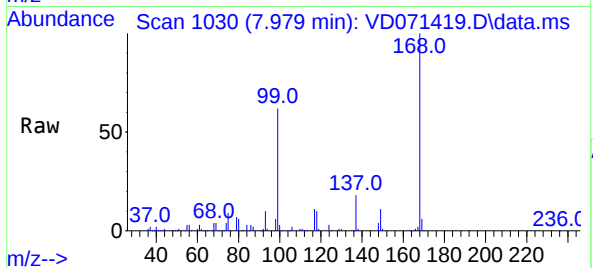




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

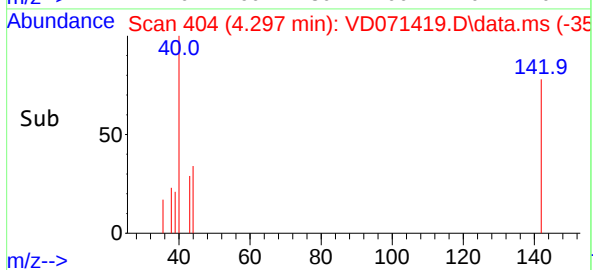
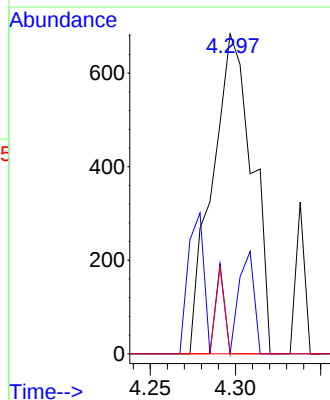
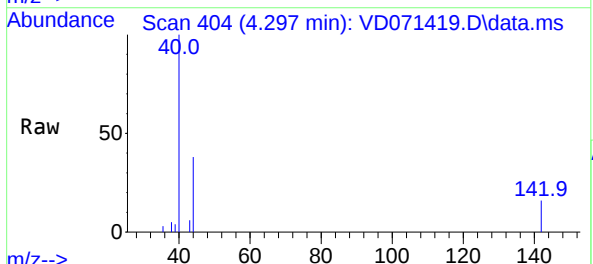
Instrument :
MSVOA_D
ClientSampleId :

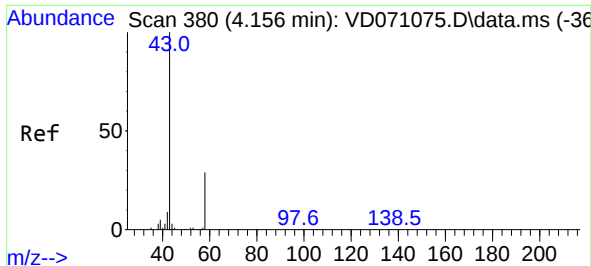
Tgt Ion:168 Resp: 459786
Ion Ratio Lower Upper
168 100
99 62.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.750 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Tgt Ion:142 Resp: 1119
Ion Ratio Lower Upper
142 100
127 12.1 35.0 52.4#
141 5.8 12.0 18.0#

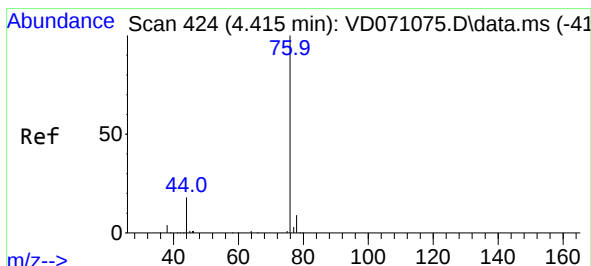
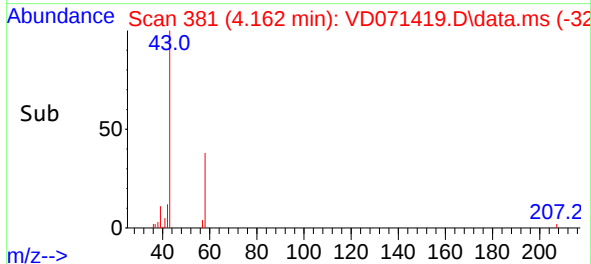
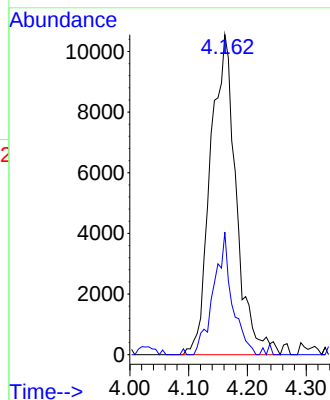
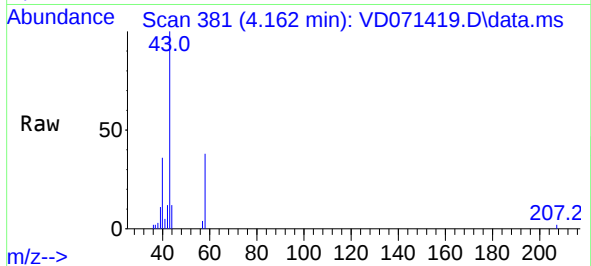




#16
Acetone
Concen: 50.396 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

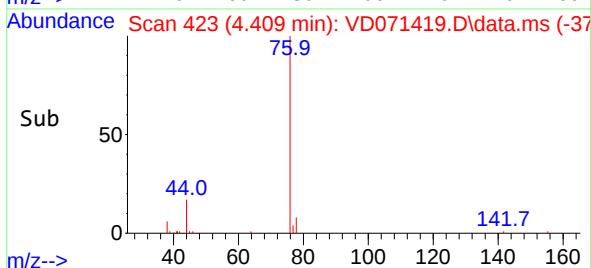
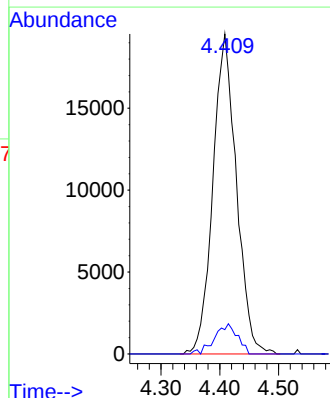
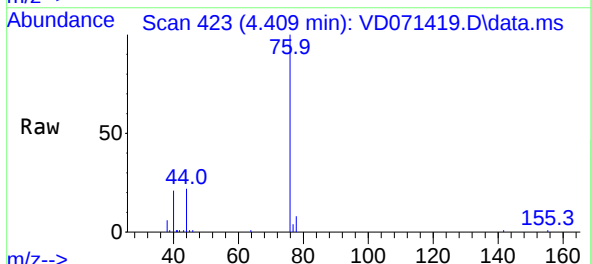
Instrument :
MSVOA_D
ClientSampleId :

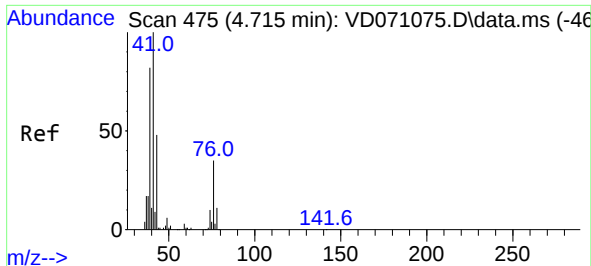
Tgt Ion: 43 Resp: 32024
Ion Ratio Lower Upper
43 100
58 38.3 27.8 41.8



#17
Carbon Disulfide
Concen: 4.338 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Tgt Ion: 76 Resp: 54218
Ion Ratio Lower Upper
76 100
78 7.6 7.8 11.8#

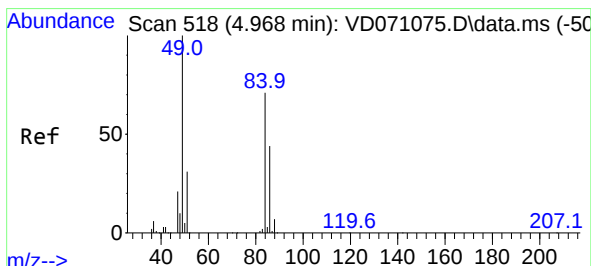
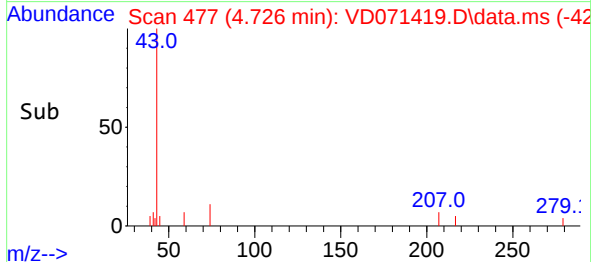
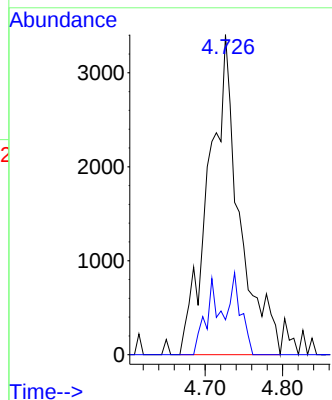
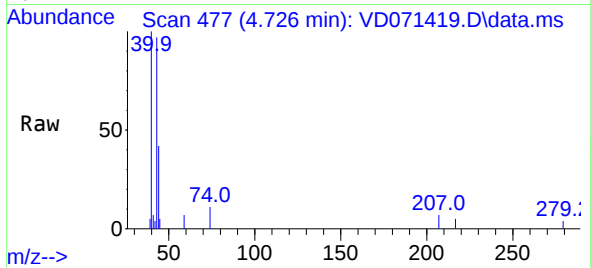




#18
Methyl Acetate
Concen: 2.351 ug/l
RT: 4.726 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

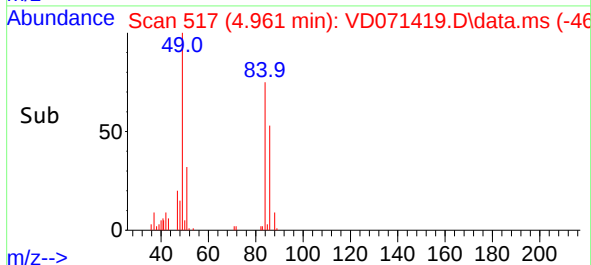
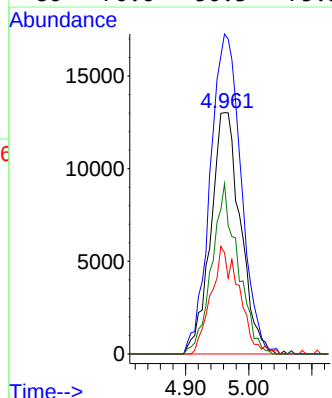
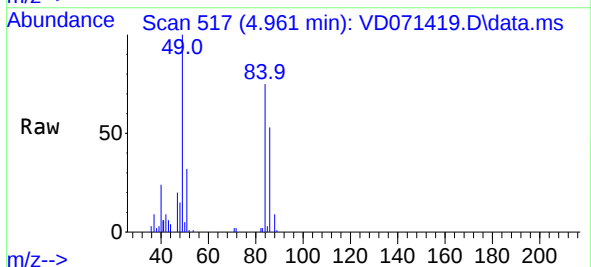
Instrument :
MSVOA_D
ClientSampleId :

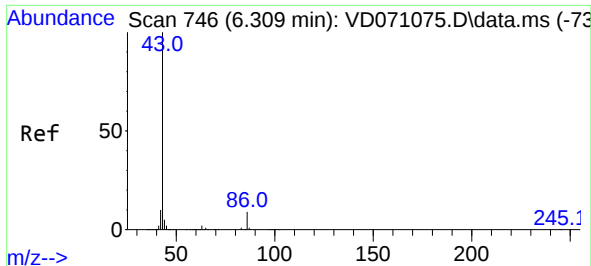
Tgt Ion: 43 Resp: 9357
Ion Ratio Lower Upper
43 100
74 9.3 19.3 28.9#



#20
Methylene Chloride
Concen: 3.969 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Tgt Ion: 84 Resp: 42541
Ion Ratio Lower Upper
84 100
49 132.6 95.8 143.6
51 42.0 30.9 46.3
86 70.6 50.3 75.5

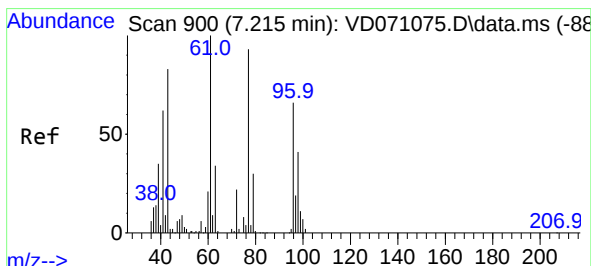
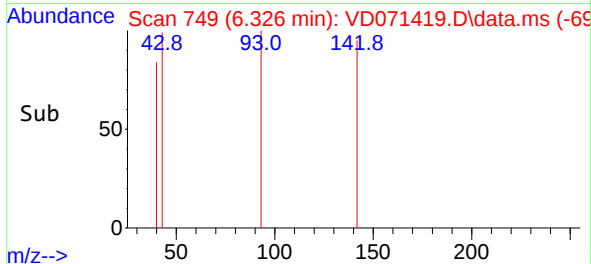
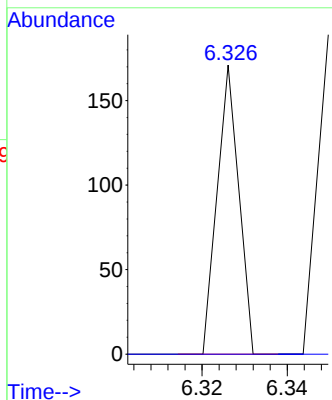
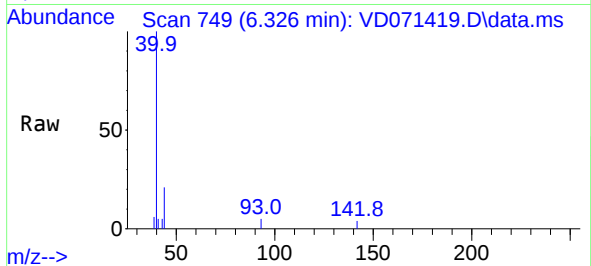




#23
 Vinyl Acetate
 Concen: 27.224 ug/l
 RT: 6.326 min Scan# 746
 Delta R.T. 0.017 min
 Lab File: VD071419.D
 Acq: 21 Dec 2021 19:12

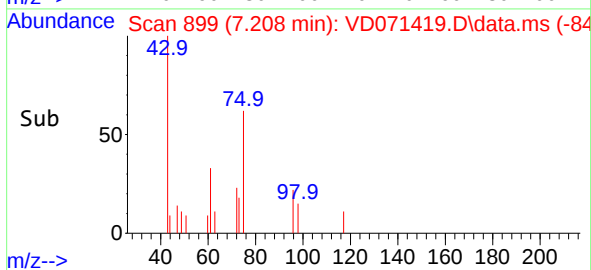
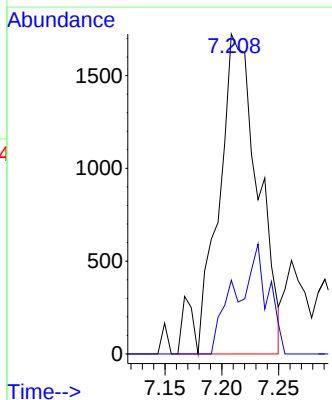
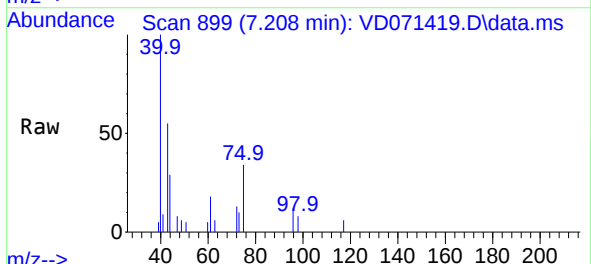
Instrument :
 MSVOA_D
 ClientSampleId :

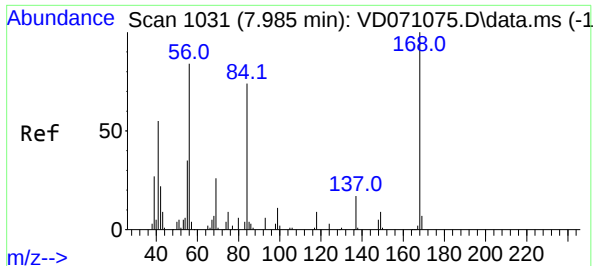
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.635 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.007 min
 Lab File: VD071419.D
 Acq: 21 Dec 2021 19:12

Tgt Ion: 43 Resp: 4248
 Ion Ratio Lower Upper
 43 100
 72 23.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.534 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071419.D

Acq: 21 Dec 2021 19:12

Instrument :

MSVOA_D

ClientSampleId :

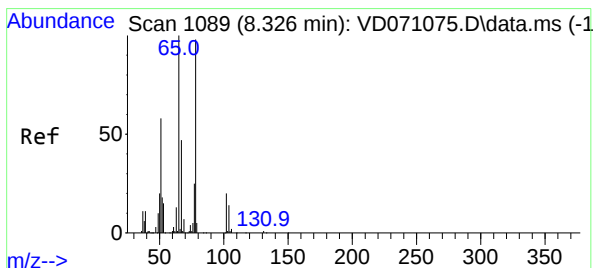
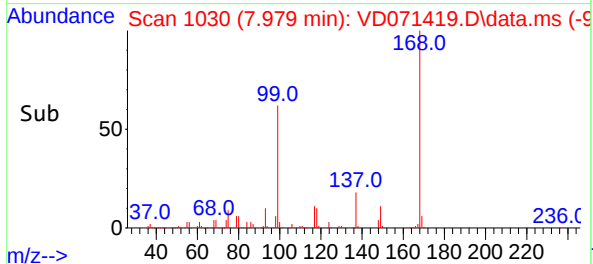
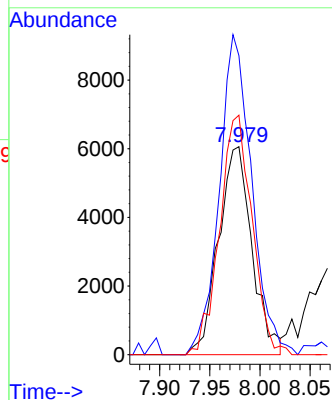
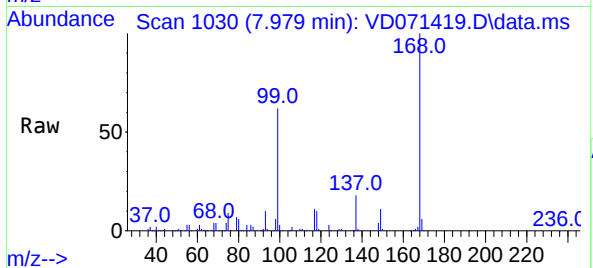
Tgt Ion: 56 Resp: 14080

Ion Ratio Lower Upper

56 100

69 143.8 25.9 38.9#

84 115.1 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 51.552 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071419.D

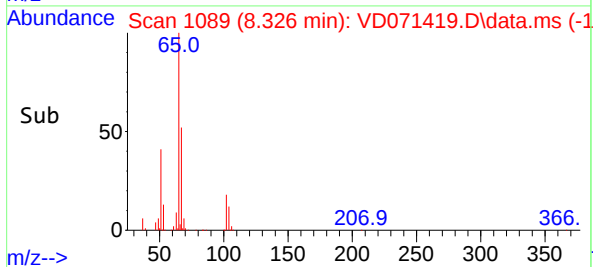
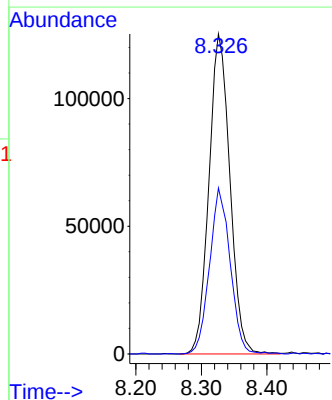
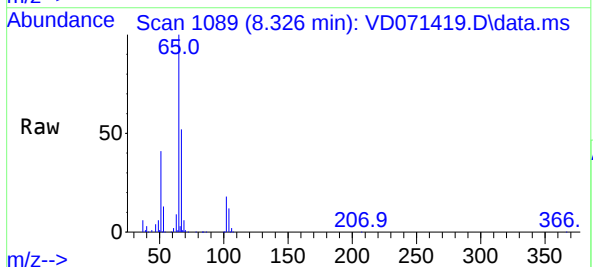
Acq: 21 Dec 2021 19:12

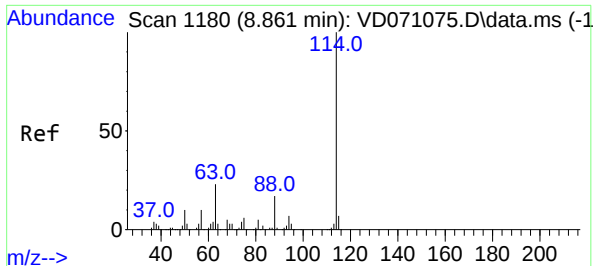
Tgt Ion: 65 Resp: 278124

Ion Ratio Lower Upper

65 100

67 51.1 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: VD071419.D

Acq: 21 Dec 2021 19:12

Instrument :

MSVOA_D

ClientSampleId :

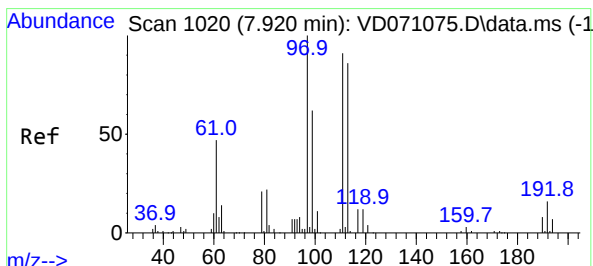
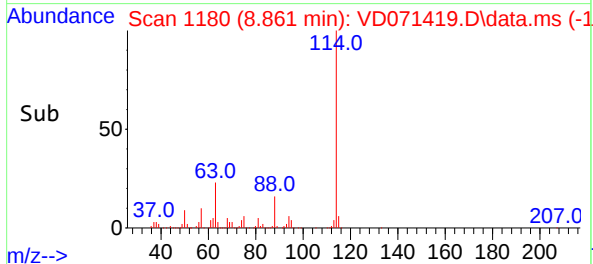
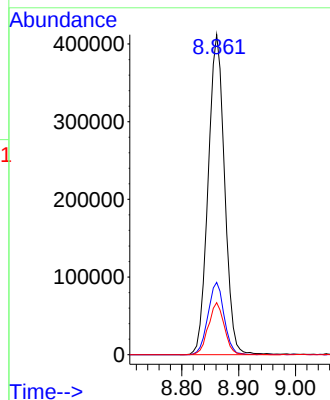
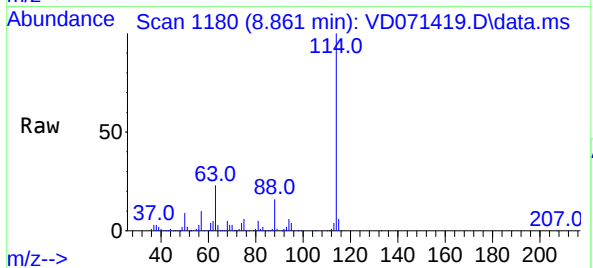
Tgt Ion:114 Resp: 825292

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.324 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071419.D

Acq: 21 Dec 2021 19:12

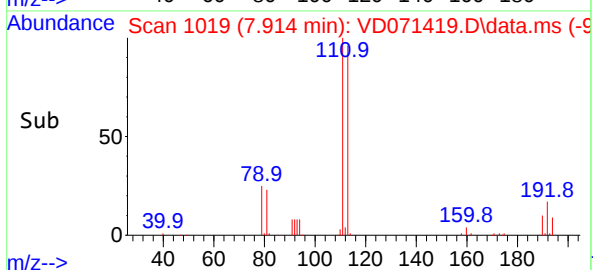
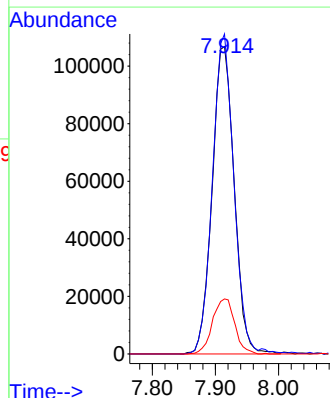
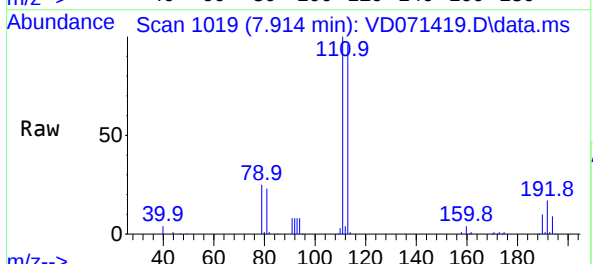
Tgt Ion:113 Resp: 259215

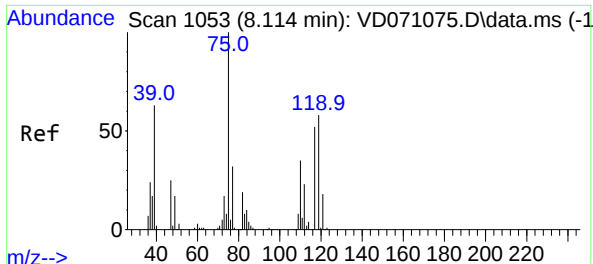
Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.400 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071419.D

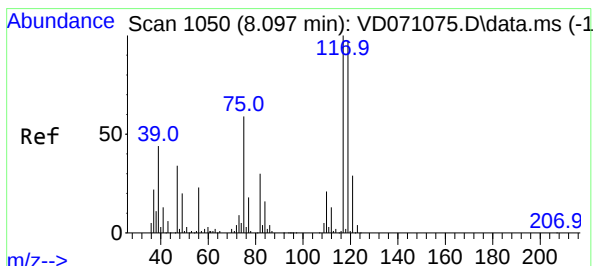
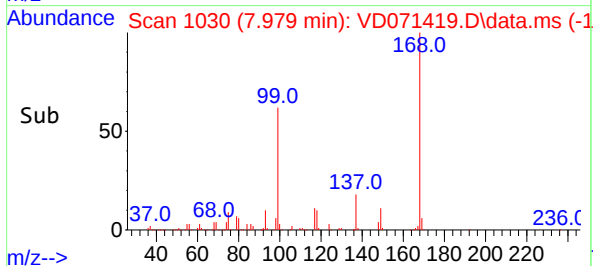
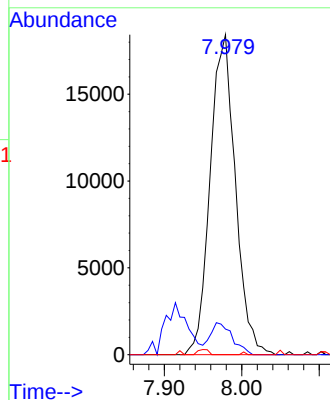
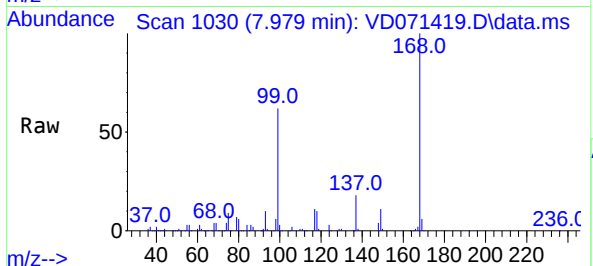
Acq: 21 Dec 2021 19:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	41654
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.527 ug/l

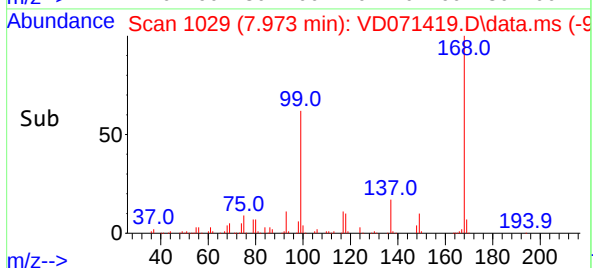
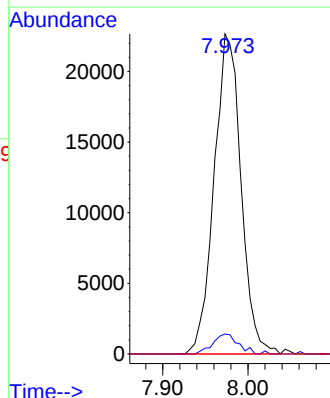
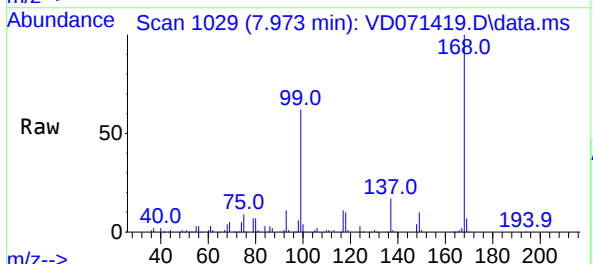
RT: 7.973 min Scan# 1029

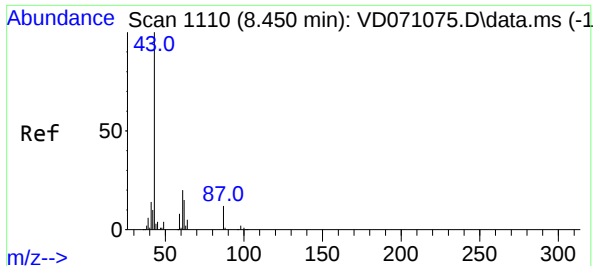
Delta R.T. -0.124 min

Lab File: VD071419.D

Acq: 21 Dec 2021 19:12

Tgt Ion:	117	Resp:	49629
Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.8	113.6#
121	0.0	23.6	35.4#

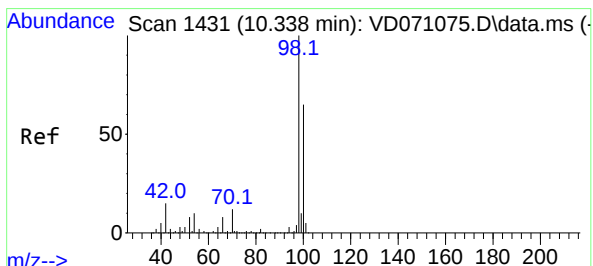
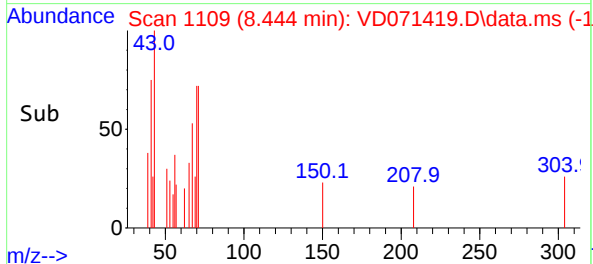
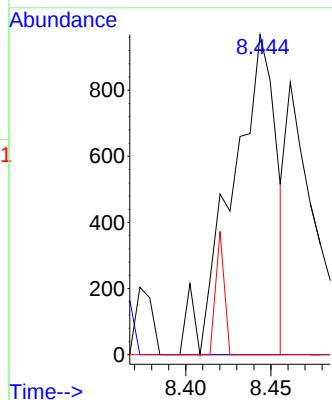
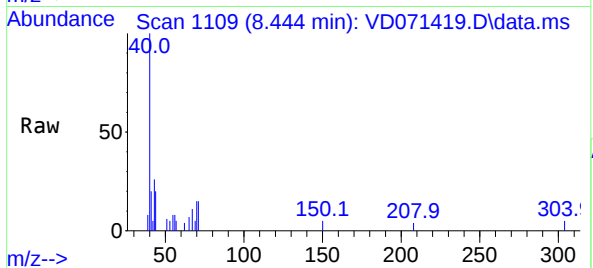




#43
Isopropyl Acetate
Concen: 5.438 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

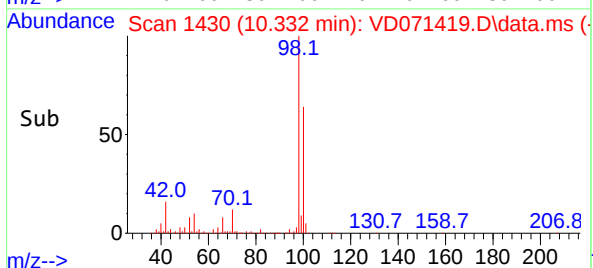
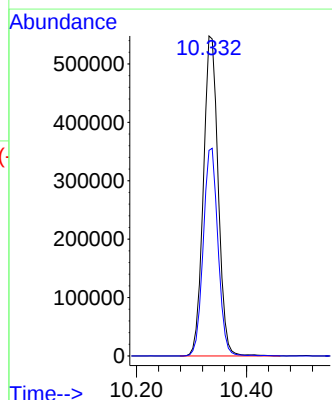
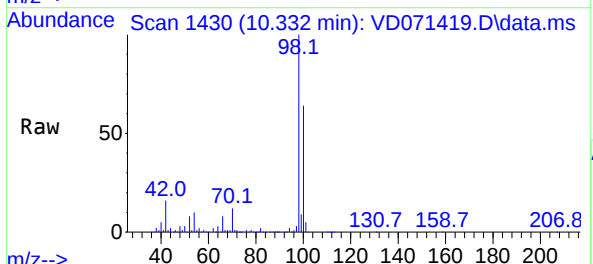
Instrument :
MSVOA_D
ClientSampleId :

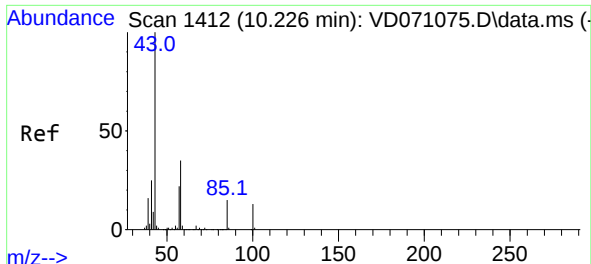
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.106 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Tgt Ion: 98 Resp: 1022082
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

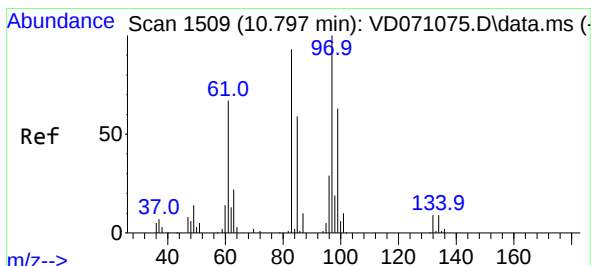
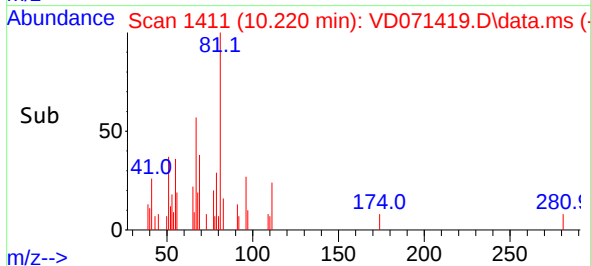
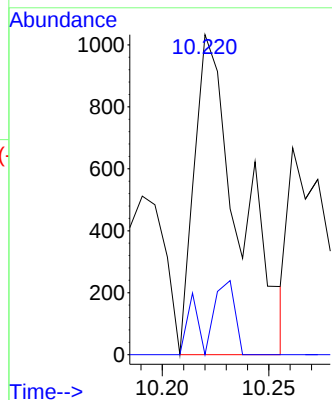
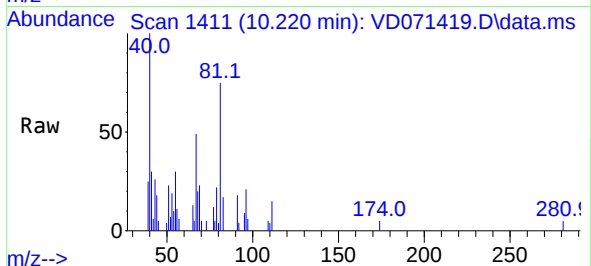




#51
4-Methyl-2-Pentanone
Concen: 31.009 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

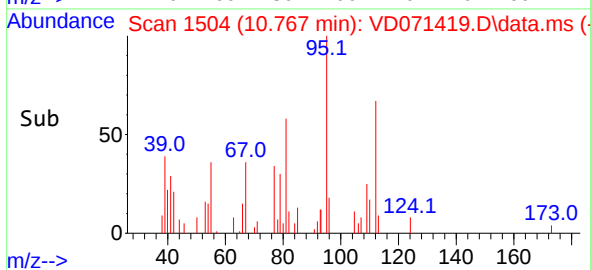
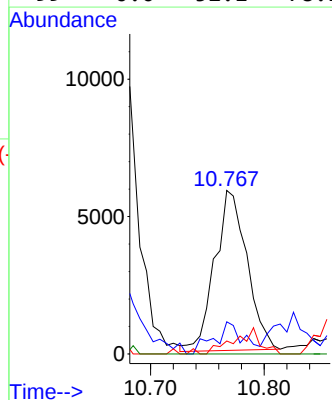
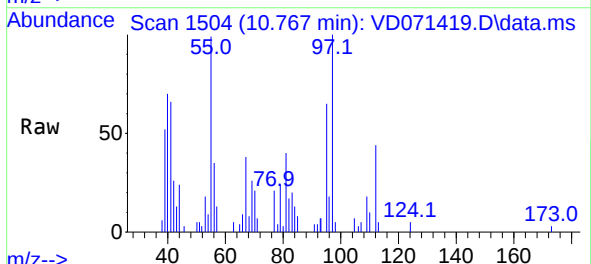
Instrument :
MSVOA_D
ClientSampleId :

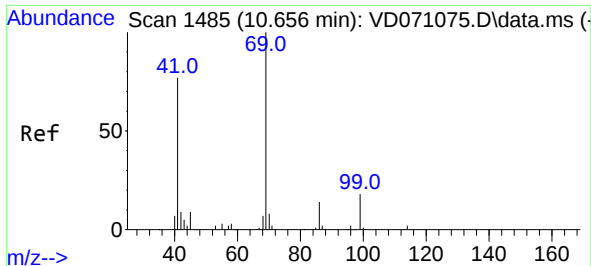
Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#55
1,1,2-Trichloroethane
Concen: 3.064 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

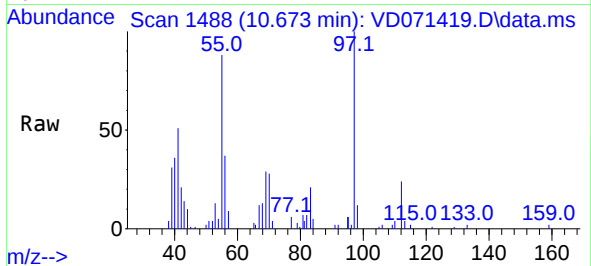
Tgt Ion: 97 Resp: 11489
Ion Ratio Lower Upper
97 100
83 13.5 65.2 97.8#
85 8.2 43.4 65.0#
99 0.0 52.1 78.1#



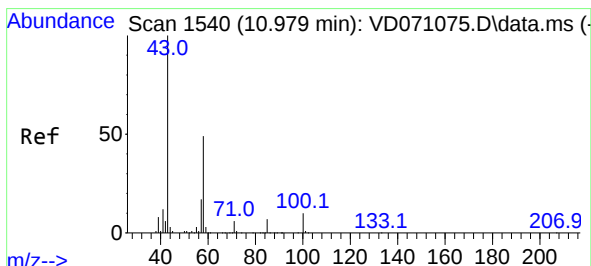
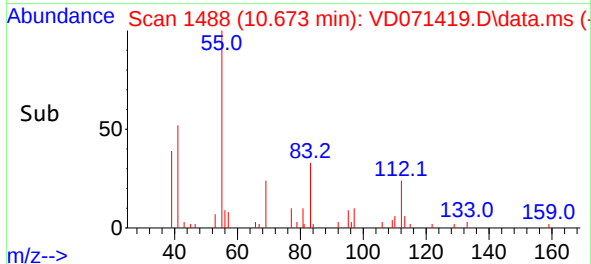
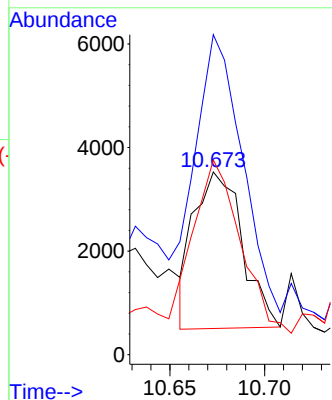


#56
Ethyl methacrylate
Concen: 6.844 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Instrument :
MSVOA_D
ClientSampleId :

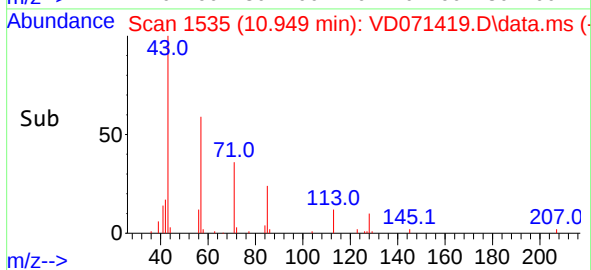
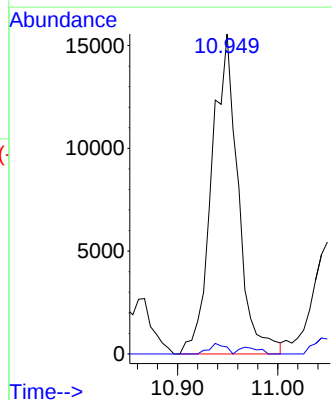
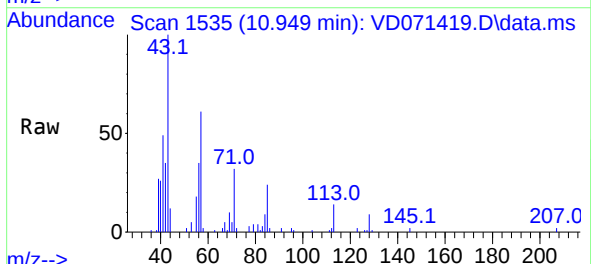


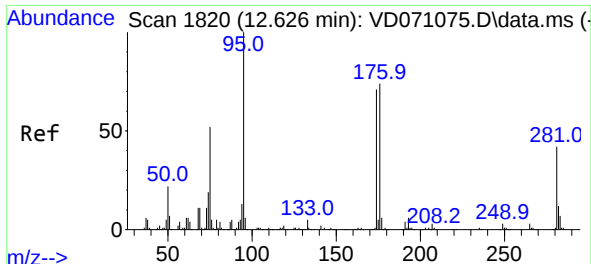
Tgt Ion: 69 Resp: 5355
Ion Ratio Lower Upper
69 100
41 190.7 50.2 75.2#
39 113.0 19.8 29.8#



#59
2-Hexanone
Concen: 43.233 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

Tgt Ion: 43 Resp: 28447
Ion Ratio Lower Upper
43 100
58 2.0 28.7 86.1#

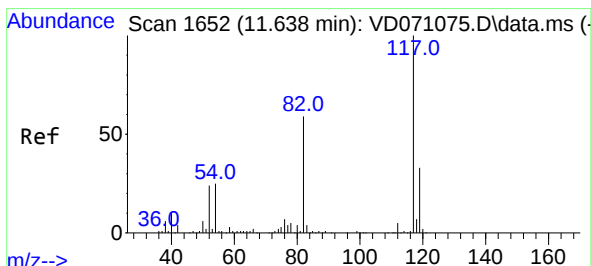
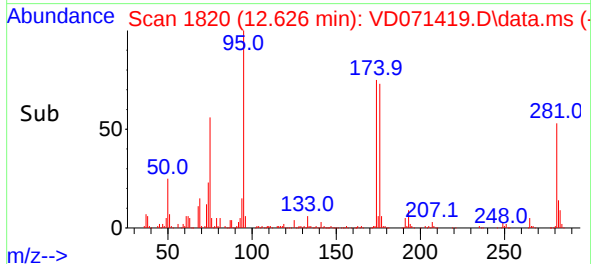
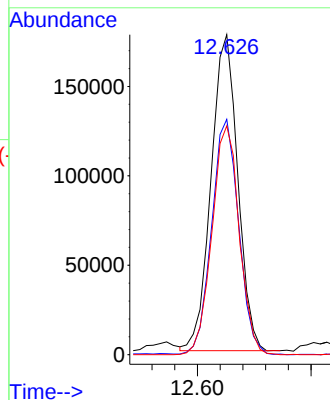
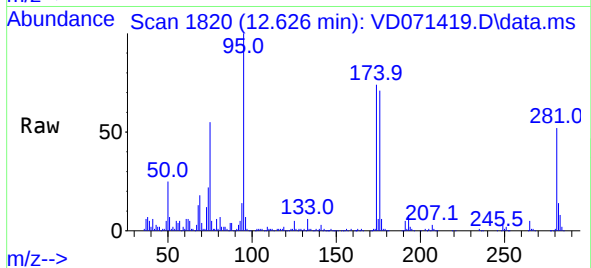




#62
4-Bromofluorobenzene
Concen: 41.529 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

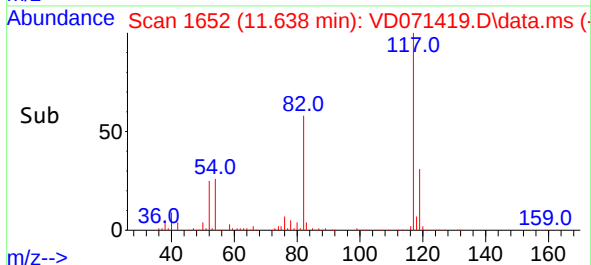
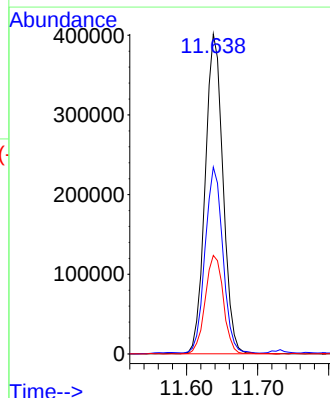
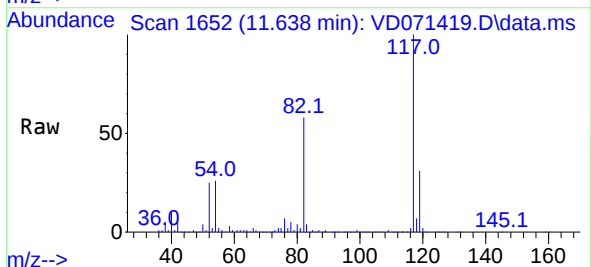
Instrument :
MSVOA_D
ClientSampleId :

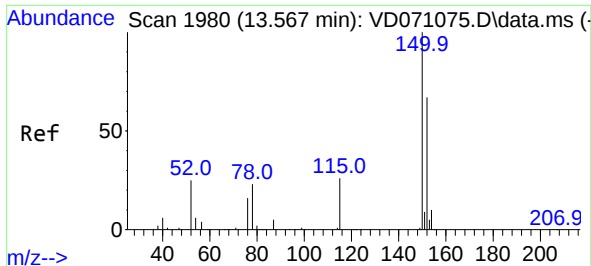
Tgt Ion: 95 Resp: 287898
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 74.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

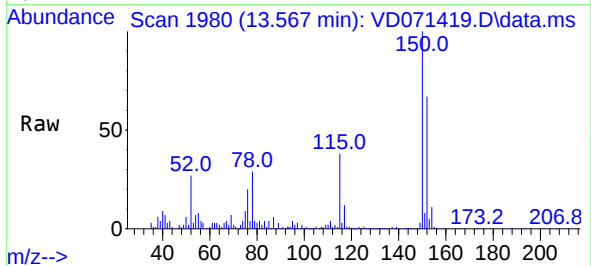
Tgt Ion:117 Resp: 699167
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 30.8 26.2 39.4



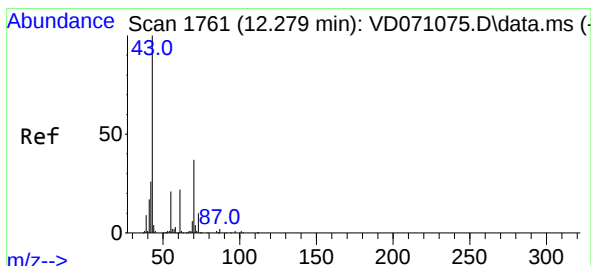
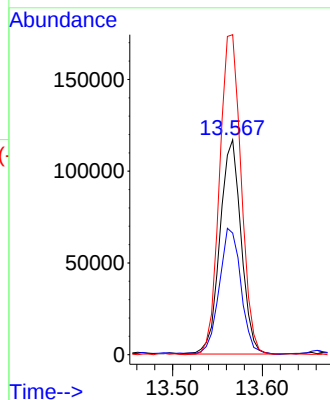
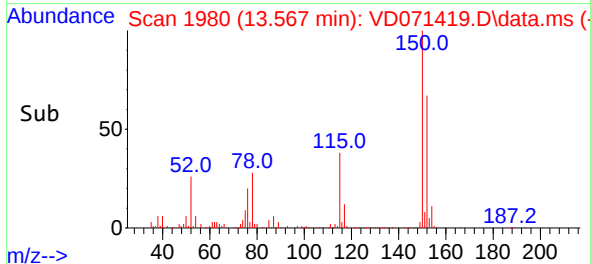


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

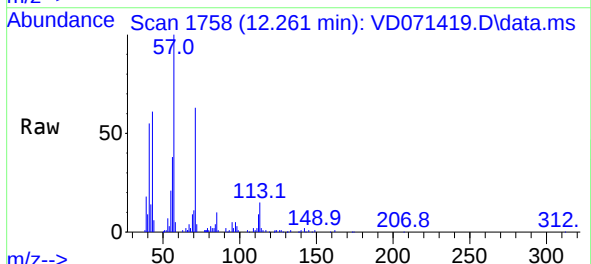
Instrument :
MSVOA_D
ClientSampleId :



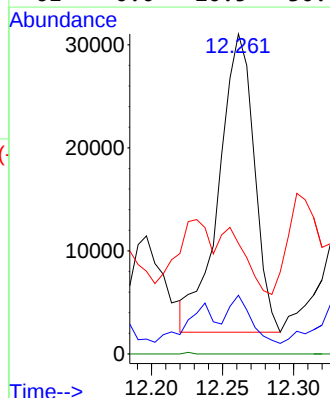
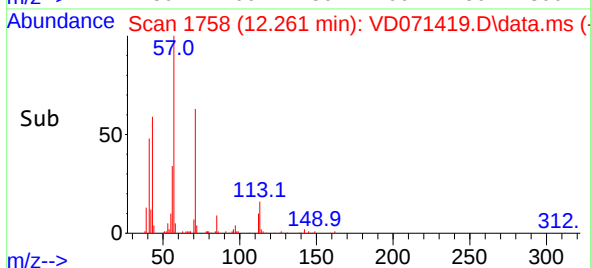
Tgt Ion:152 Resp: 191524
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 152.5 0.0 349.2

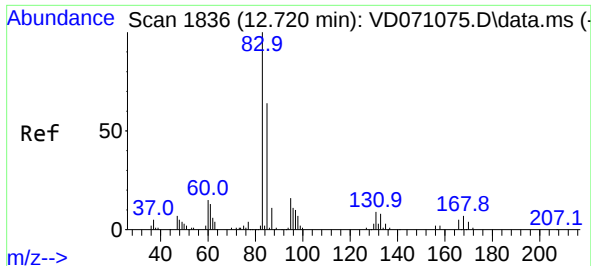


#74
N-ethyl acetate
Concen: 17.415 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12



Tgt Ion: 43 Resp: 50200
Ion Ratio Lower Upper
43 100
70 9.9 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

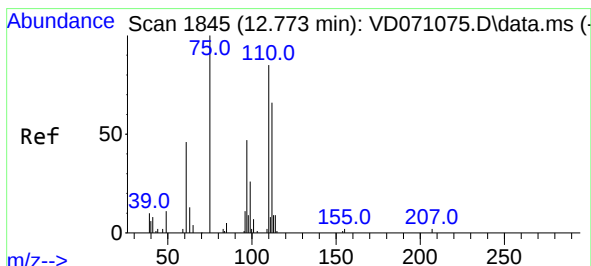
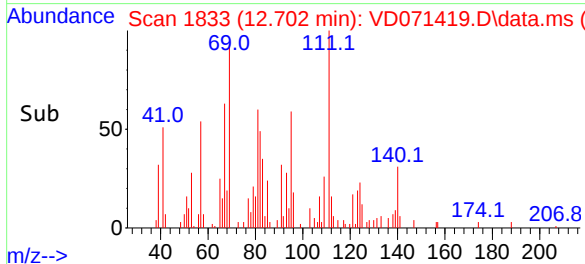
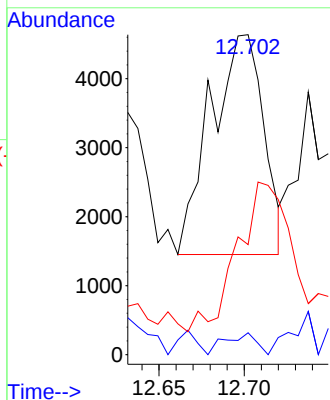
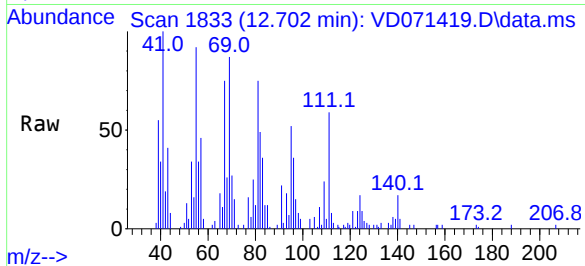




#75
1,1,2,2-Tetrachloroethane
Concen: 3.023 ug/l
RT: 12.702 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

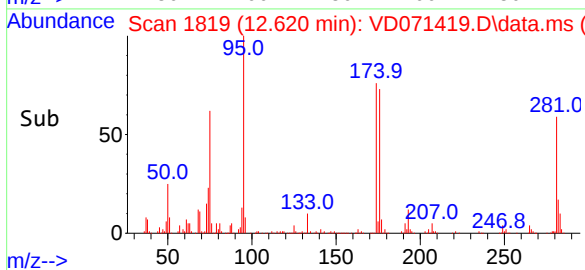
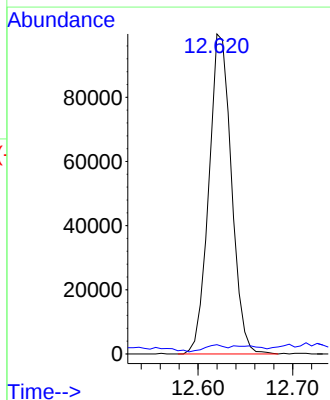
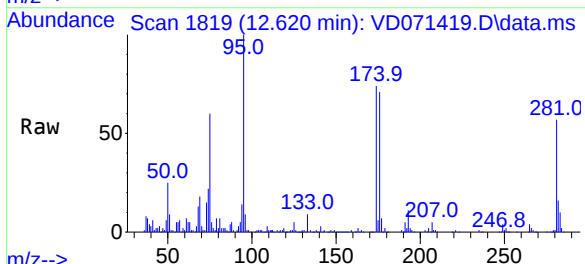
Instrument :
MSVOA_D
ClientSampleId :

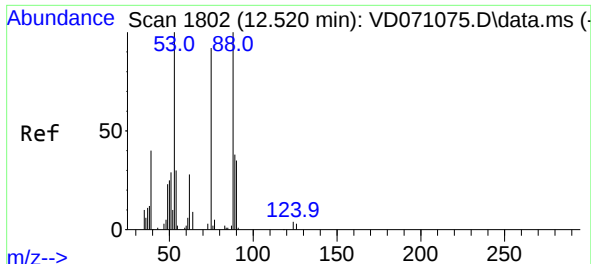
Tgt Ion: 83 Resp: 6903
Ion Ratio Lower Upper
83 100
131 5.8 4.9 14.7
85 72.7 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 90.625 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071419.D
Acq: 21 Dec 2021 19:12

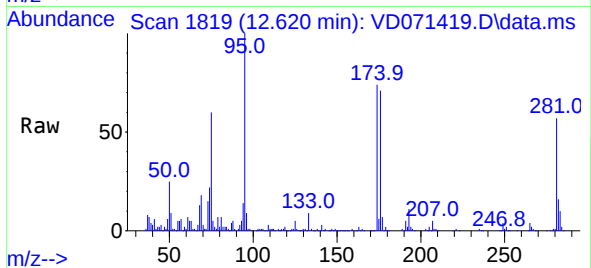
Tgt Ion: 75 Resp: 165368
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#





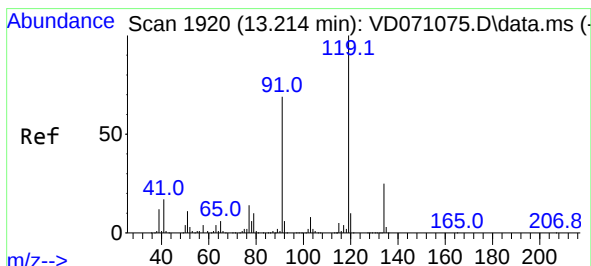
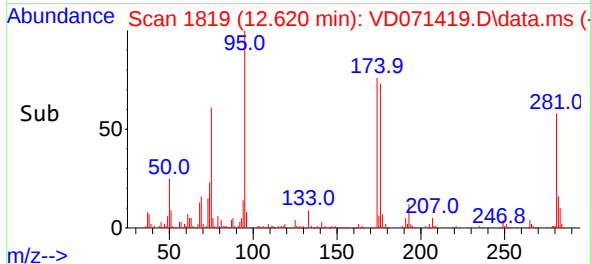
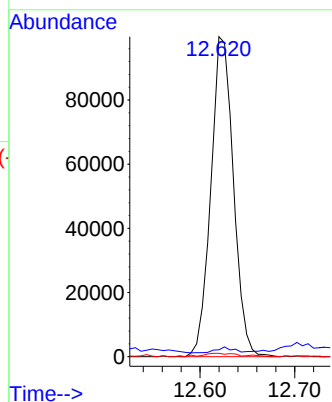
#81
 trans-1,4-Dichloro-2-butene
 Concen: 193.262 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD071419.D
 Acq: 21 Dec 2021 19:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 165368

Ion	Ratio	Lower	Upper
75	100		
53	1.3	62.6	94.0#
89	1.6	34.5	51.7#



#83
 tert-Butylbenzene
 Concen: 1.571 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. -0.000 min
 Lab File: VD071419.D
 Acq: 21 Dec 2021 19:12

Tgt Ion: 119 Resp: 15427

Ion	Ratio	Lower	Upper
119	100		
91	94.6	32.5	97.5
134	25.3	13.2	39.6

