

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069423.D
 Acq On : 14 Jun 2021 13:30
 Operator : VA/SY
 Sample : M2692-01
 Misc : 7.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:26:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

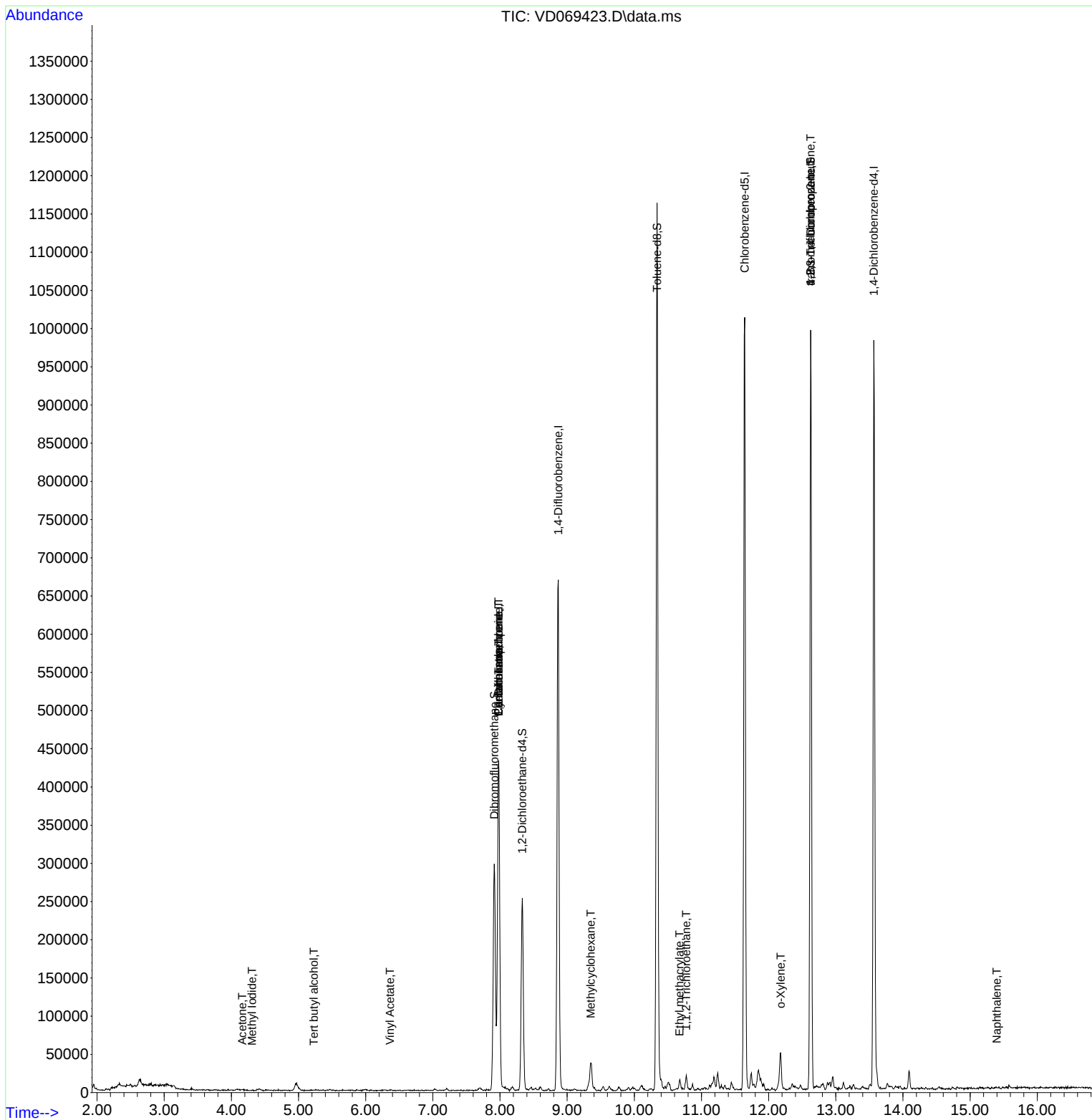
Internal Standards						
1) Pentafluorobenzene	7.979	168	325252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	601561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	615832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	266620	50.00	ug/l	0.00

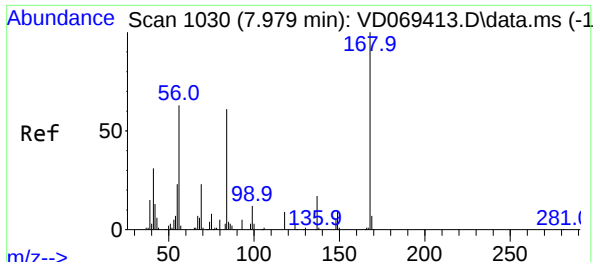
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	199951	54.49	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.98%
35) Dibromofluoromethane	7.914	113	214167	47.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.06%
50) Toluene-d8	10.338	98	770717	46.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.54%
62) 4-Bromofluorobenzene	12.626	95	262100	49.57	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.14%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.773	94	495	Below Cal	#	63
10) Methyl Iodide	4.309	142	452	3.44	ug/l #	39
11) Tert butyl alcohol	5.226	59	312	1.64	ug/l #	73
16) Acetone	4.162	43	1698	2.80	ug/l #	84
18) Methyl Acetate	4.720	43	59	Below Cal	#	46
20) Methylene Chloride	4.956	84	4332	Below Cal	#	85
23) Vinyl Acetate	6.361	43	160	17.61	ug/l #	67
31) Cyclohexane	7.979	56	9728	1.95	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	27372	4.37	ug/l #	46
38) Carbon Tetrachloride	7.979	117	33750	4.97	ug/l #	15
39) Methylcyclohexane	9.349	83	14103	2.24	ug/l #	83
55) 1,1,2-Trichloroethane	10.773	97	6670	1.89	ug/l #	18
56) Ethyl methacrylate	10.673	69	1680	3.22	ug/l #	33
69) o-Xylene	12.179	106	12792	1.60	ug/l	96
76) 1,2,3-Trichloropropane	12.626	75	131475	48.64	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	131475	129.76	ug/l #	18
95) Naphthalene	15.396	128	1472	3.72	ug/l #	85

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

Quant Time: Jun 15 07:26:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

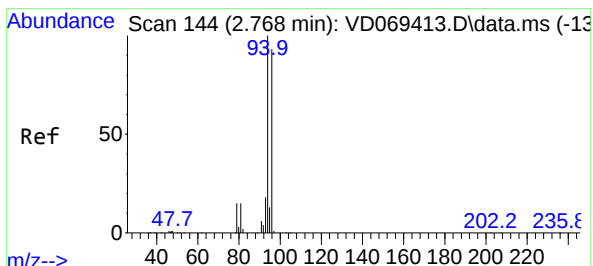
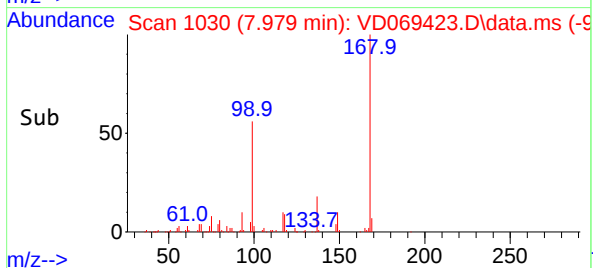
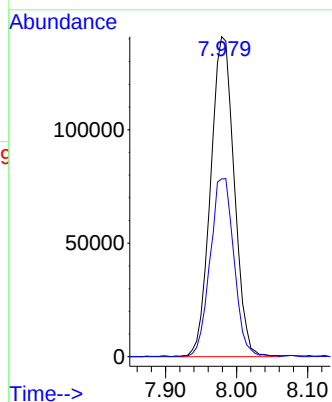
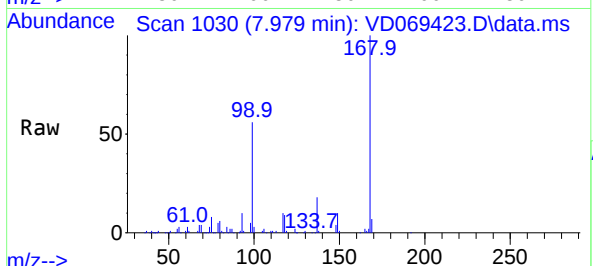




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

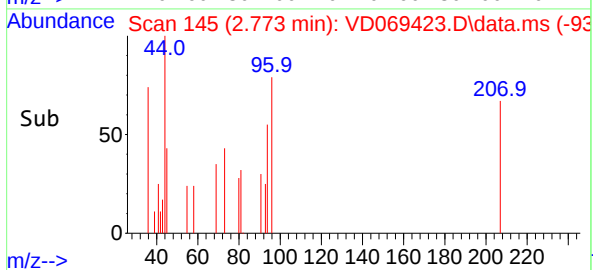
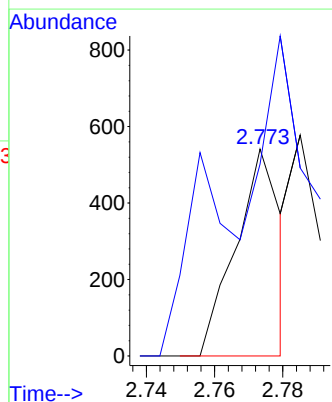
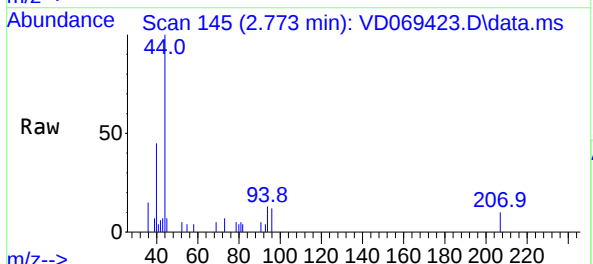
Instrument :
MSVOA_D
ClientSampled :

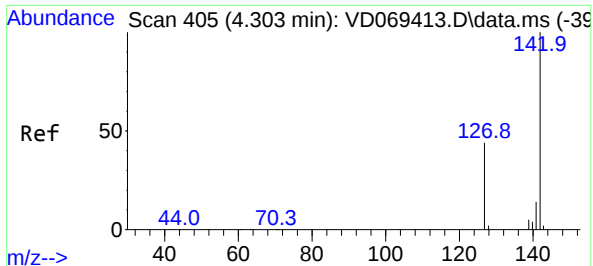
Tgt Ion:168 Resp: 325252
Ion Ratio Lower Upper
168 100
99 55.4 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

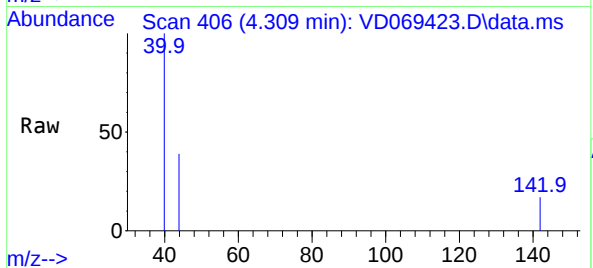
Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 53.8 70.3 105.5#



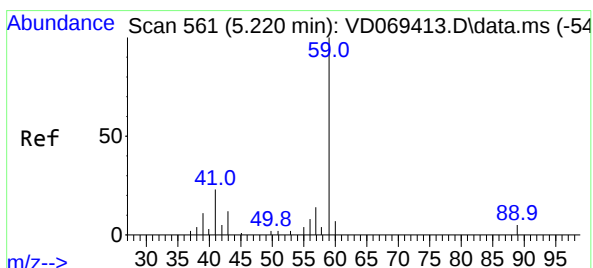
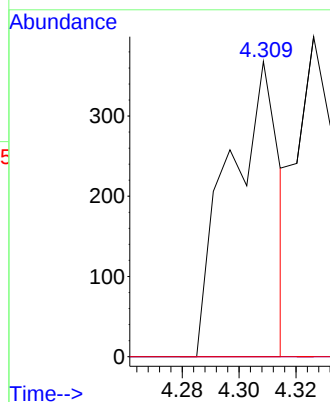
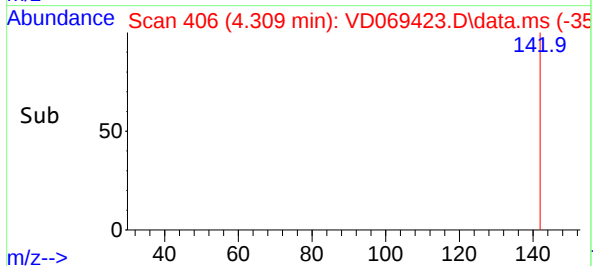


#10
Methyl Iodide
Concen: 3.44 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

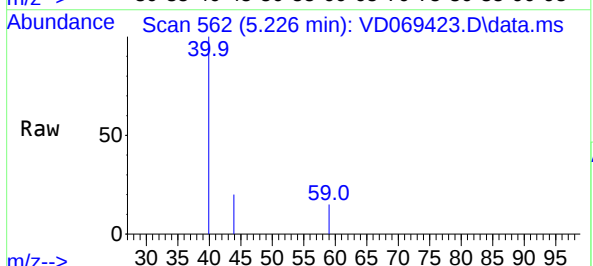
Instrument :
MSVOA_D
ClientSampled :



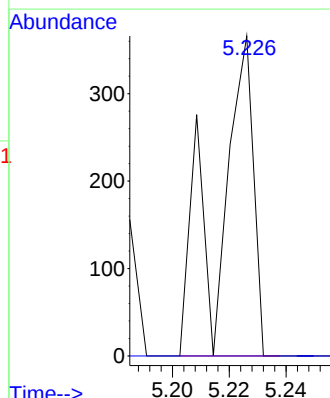
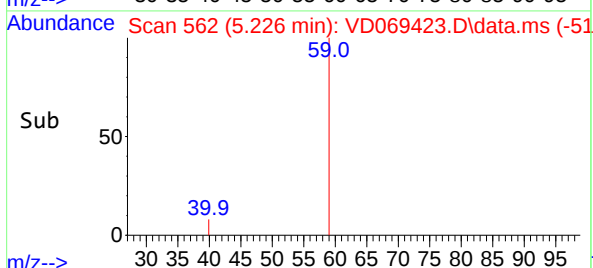
Tgt Ion:142 Resp: 452
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

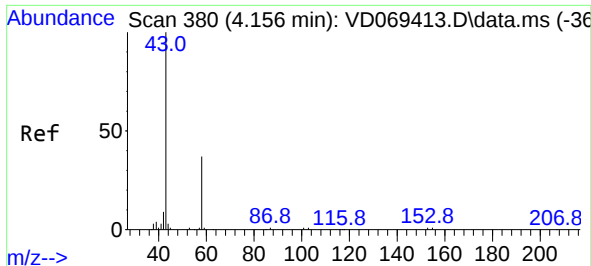


#11
Tert butyl alcohol
Concen: 1.64 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30



Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

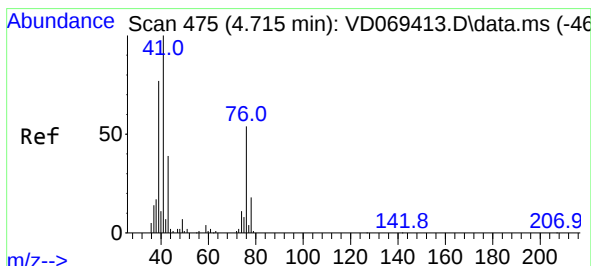
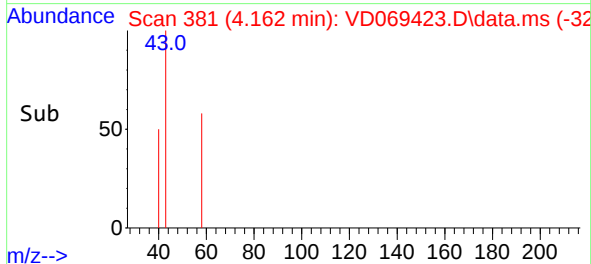
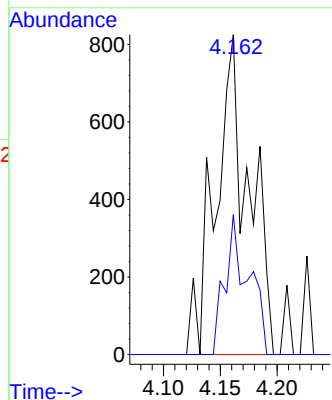
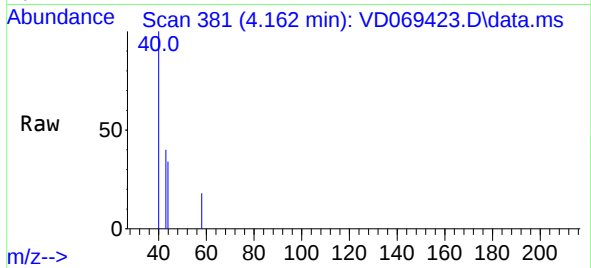




#16
Acetone
Concen: 2.80 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

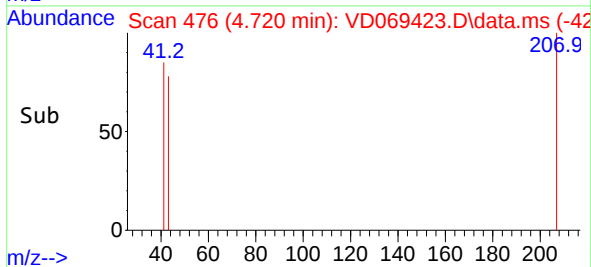
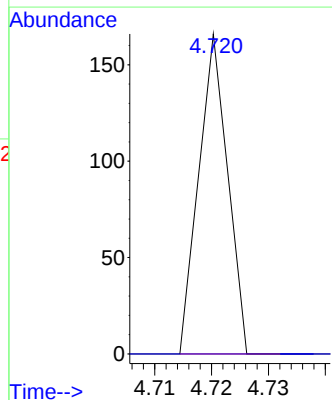
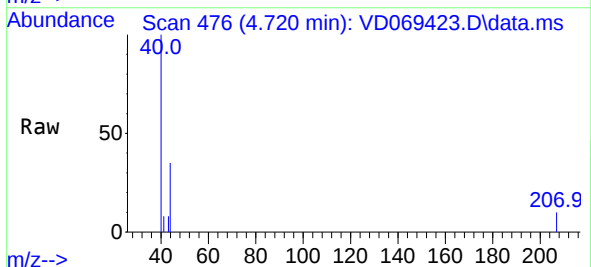
Instrument :
MSVOA_D
ClientSampleId :

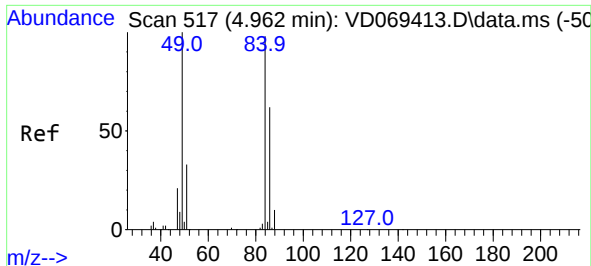
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 43.8 27.5 41.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

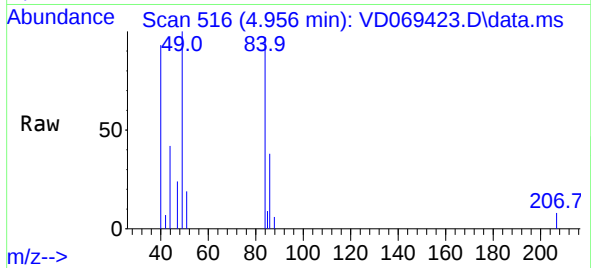
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



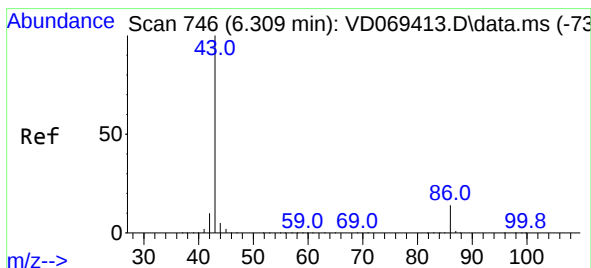
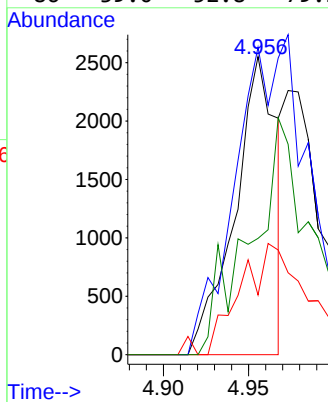
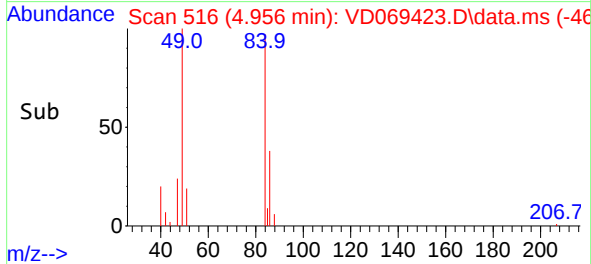


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

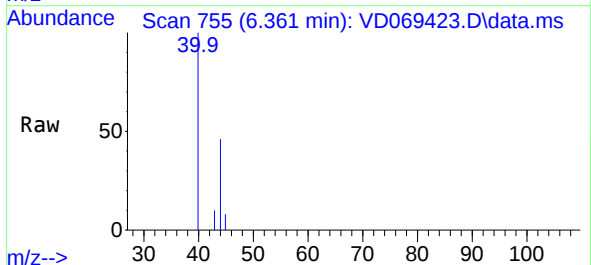
Instrument :
MSVOA_D
ClientSampleId :



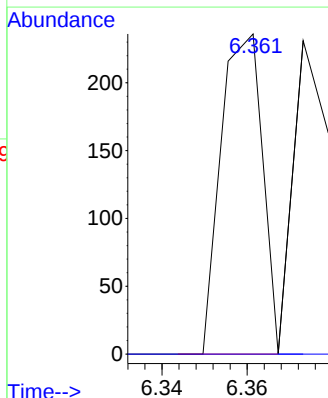
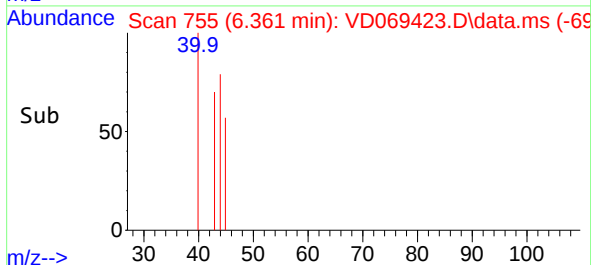
Tgt Ion: 84 Resp: 4332
Ion Ratio Lower Upper
84 100
49 103.1 83.7 125.5
51 20.0 26.4 39.6#
86 39.0 52.8 79.2#

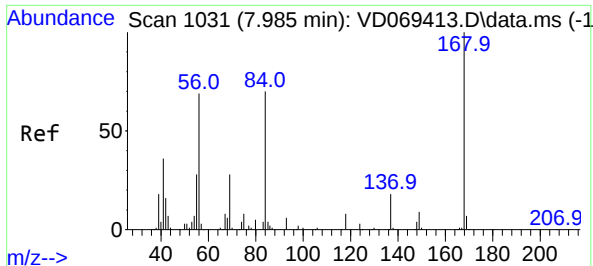


#23
Vinyl Acetate
Concen: 17.61 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.052 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30



Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#





#31

Cyclohexane

Concen: 1.95 ug/l

RT: 7.979 min Scan# 1030

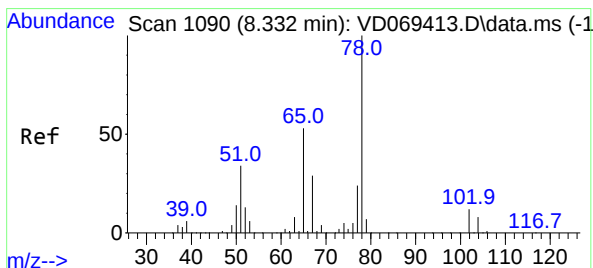
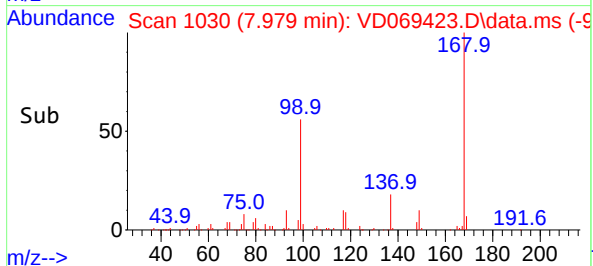
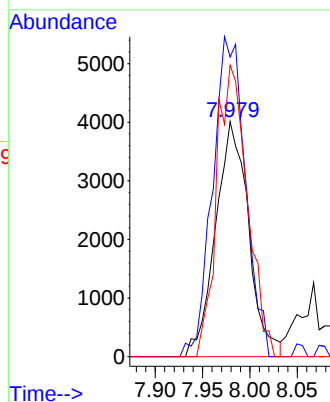
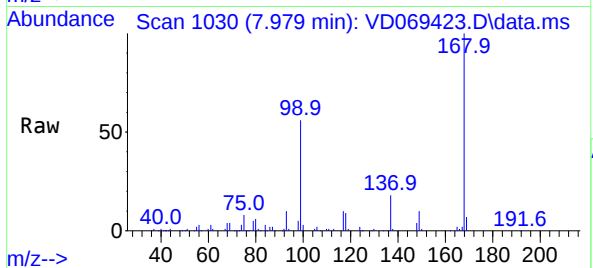
Delta R.T. -0.006 min

Lab File: VD069423.D

Acq: 14 Jun 2021 13:30

Tgt Ion:	56	Resp:	9728
Ion	Ratio	Lower	Upper
56	100		
69	127.5	29.0	43.4#
84	124.0	81.1	121.7#

Instrument :
MSVOA_D
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 54.49 ug/l

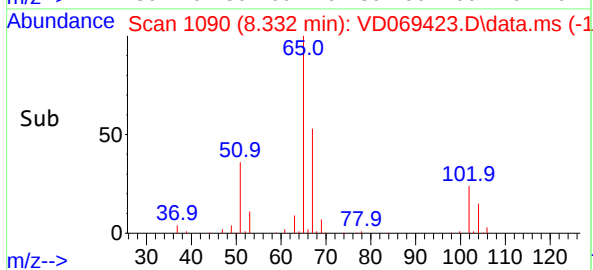
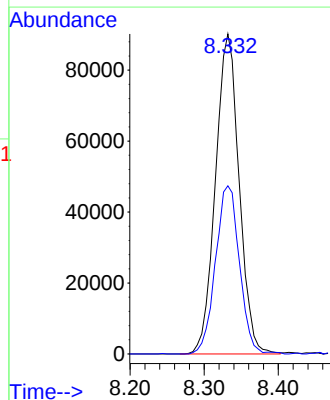
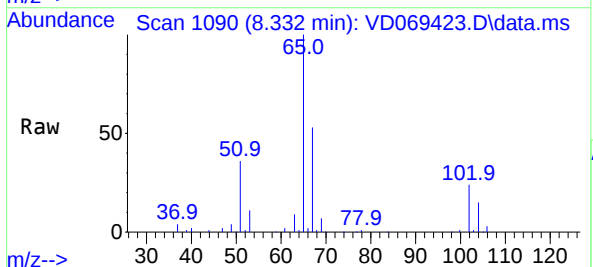
RT: 8.332 min Scan# 1090

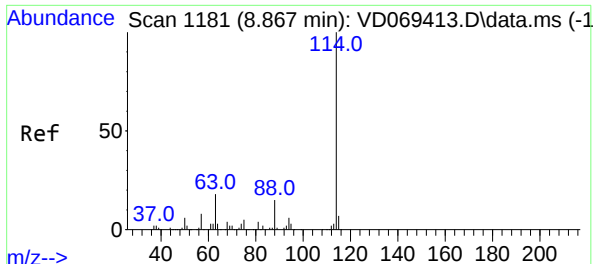
Delta R.T. -0.000 min

Lab File: VD069423.D

Acq: 14 Jun 2021 13:30

Tgt Ion:	65	Resp:	199951
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8



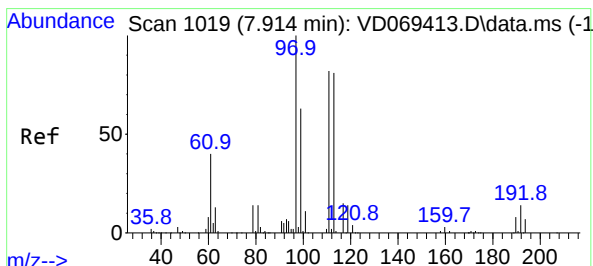
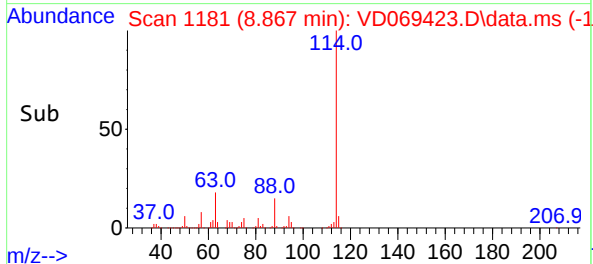
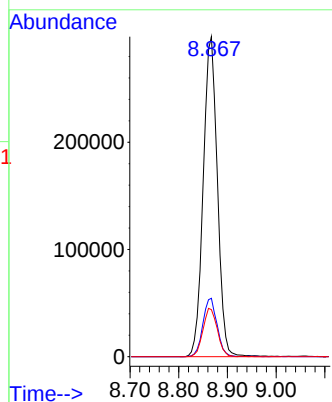
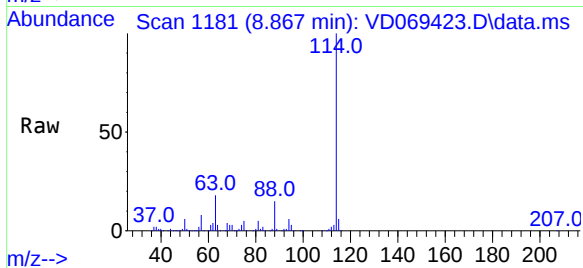


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Instrument :
MSVOA_D
ClientSampleId :

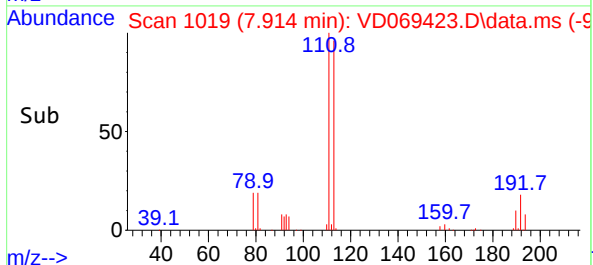
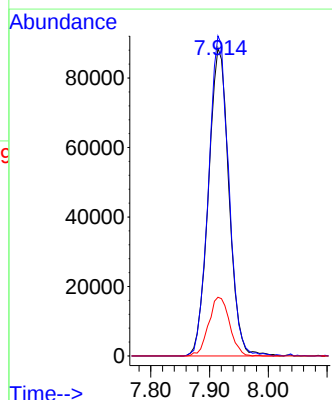
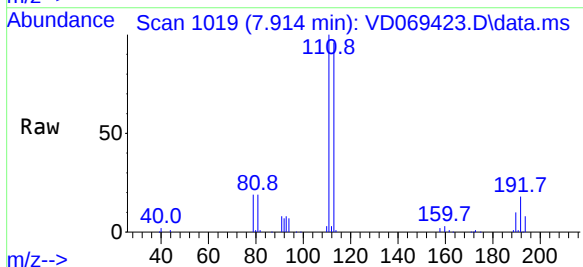
Tgt Ion:	114	Resp:	601561
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.7	0.0	31.2

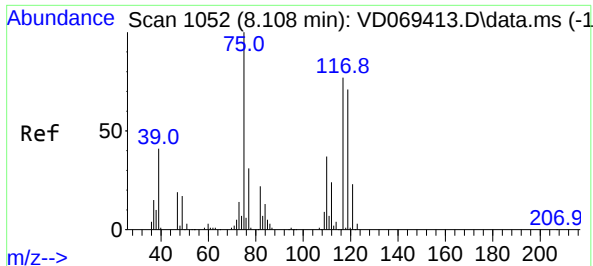


#35

Dibromofluoromethane
Concen: 47.53 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Tgt Ion:	113	Resp:	214167
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.6
192	19.4	15.1	22.7



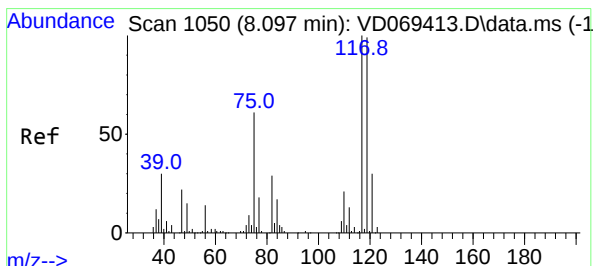
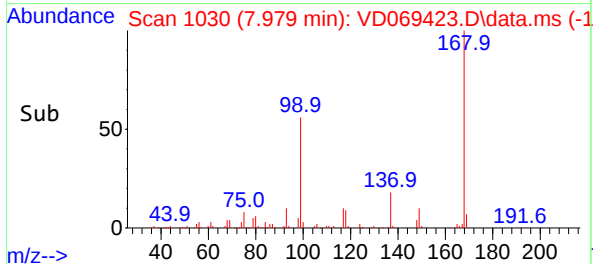
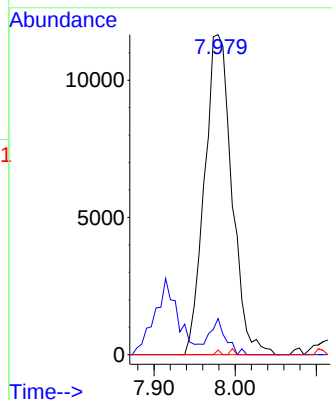
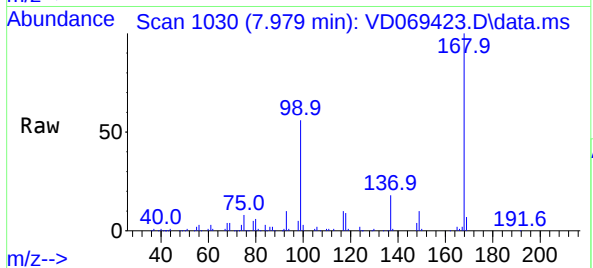


#36

1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Instrument :
MSVOA_D
ClientSampled :

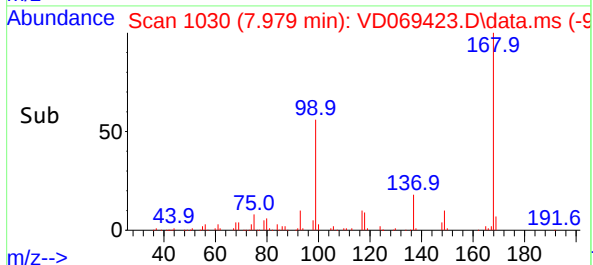
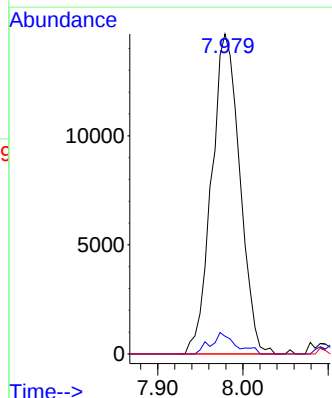
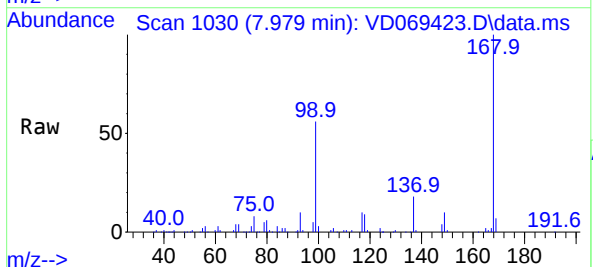
Tgt Ion: 75 Resp: 27372
Ion Ratio Lower Upper
75 100
110 6.3 18.4 55.2#
77 0.2 24.9 37.3#

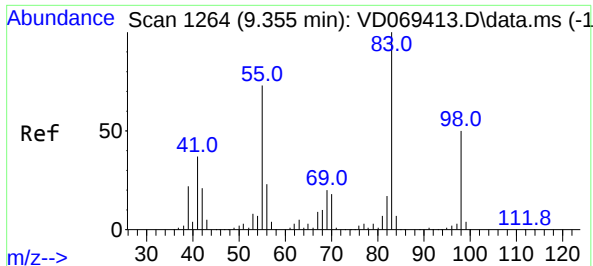


#38

Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Tgt Ion: 117 Resp: 33750
Ion Ratio Lower Upper
117 100
119 5.5 79.4 119.2#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 2.24 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VD069423.D

Acq: 14 Jun 2021 13:30

Tgt Ion: 83 Resp: 14103

Ion Ratio Lower Upper

83 100

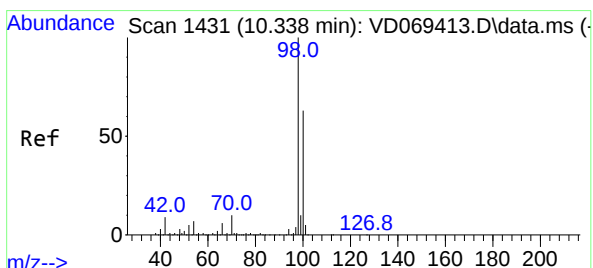
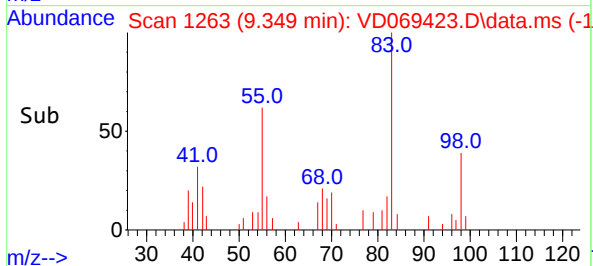
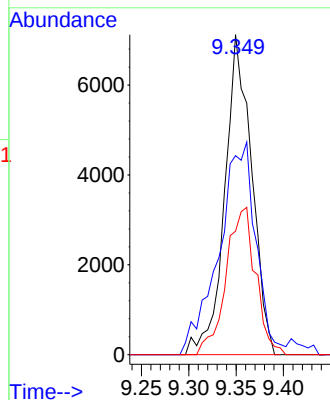
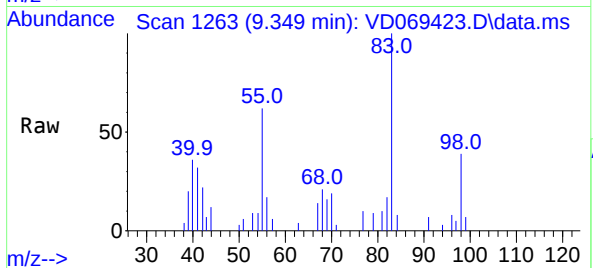
55 59.0 57.4 86.2

98 38.6 42.2 63.2#

Instrument :

MSVOA_D

ClientSampleId :



#50

Toluene-d8

Concen: 46.77 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069423.D

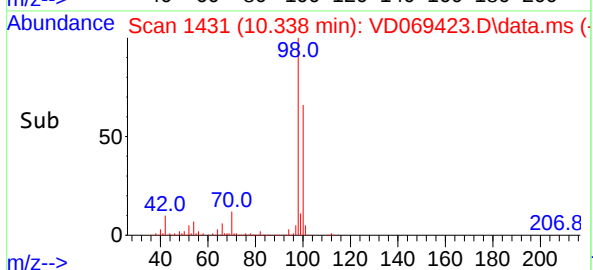
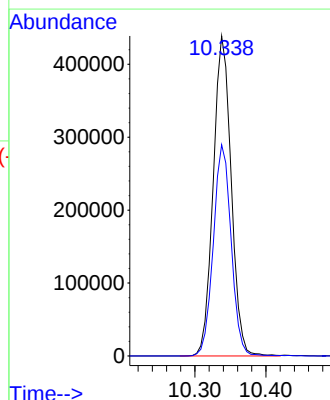
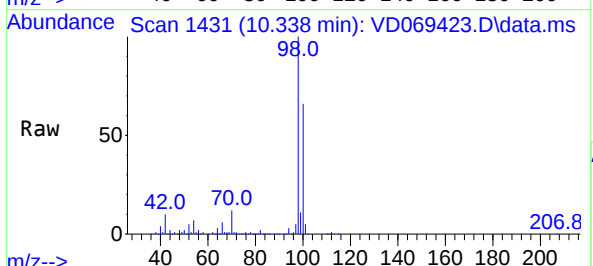
Acq: 14 Jun 2021 13:30

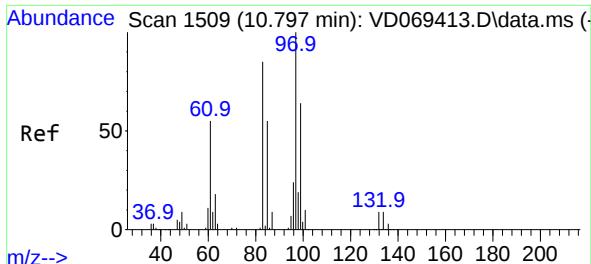
Tgt Ion: 98 Resp: 770717

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1

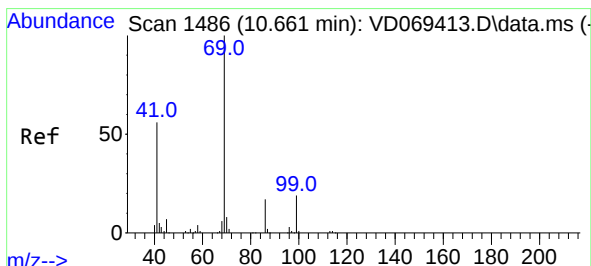
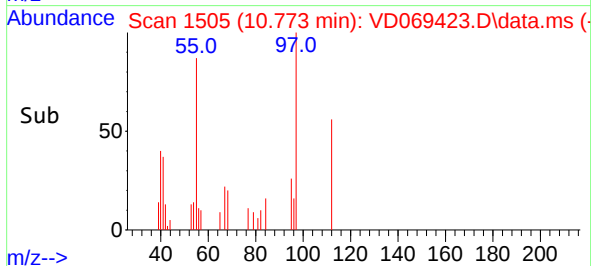
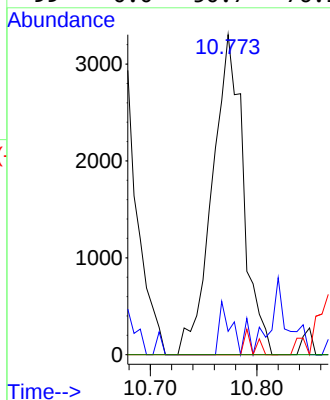
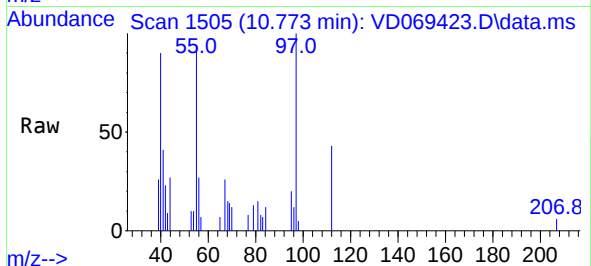




#55
1,1,2-Trichloroethane
Concen: 1.89 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

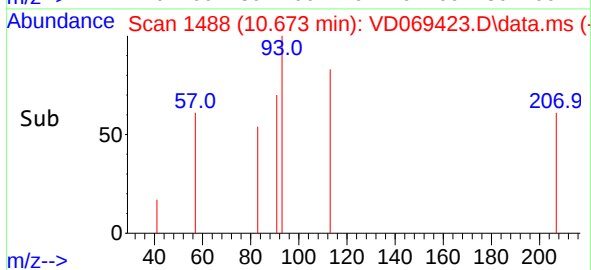
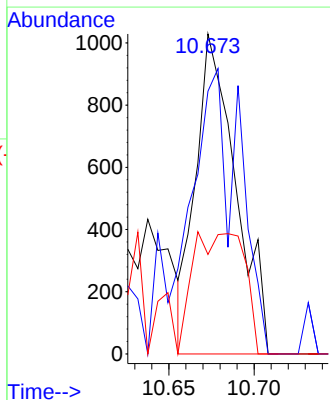
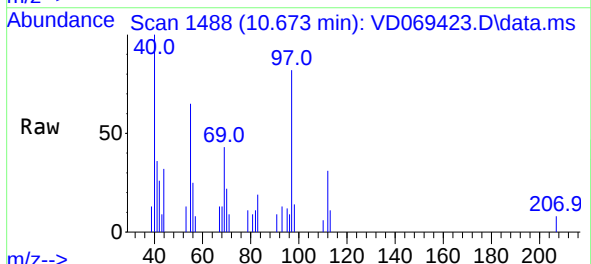
Instrument :
MSVOA_D
ClientSampled :

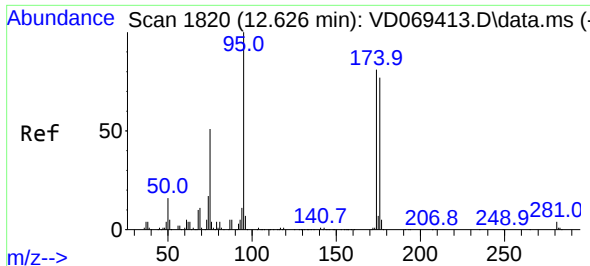
Tgt Ion:	97	Resp:	6670
Ion	Ratio	Lower	Upper
97	100		
83	7.3	69.4	104.0#
85	0.0	44.5	66.7#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 3.22 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Tgt Ion:	69	Resp:	1680
Ion	Ratio	Lower	Upper
69	100		
41	115.1	45.4	68.2#
39	49.1	21.7	32.5#

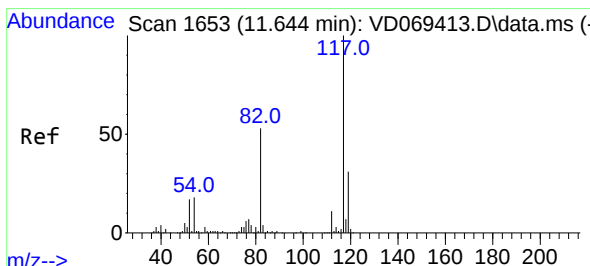
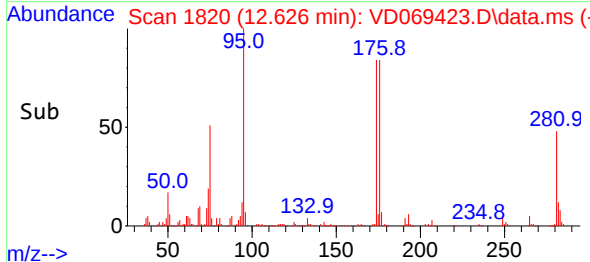
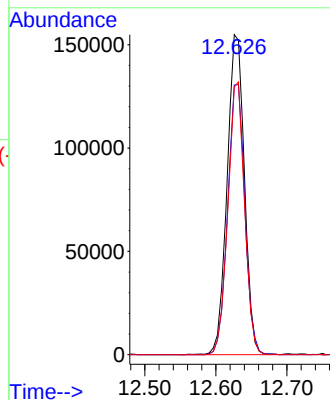
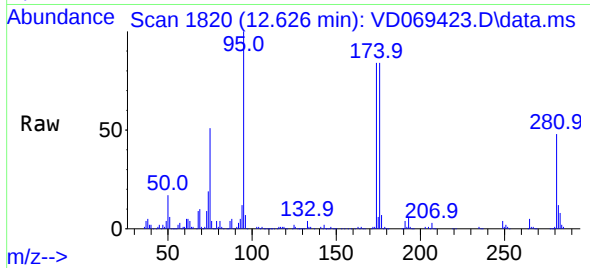




#62
4-Bromofluorobenzene
Concen: 49.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

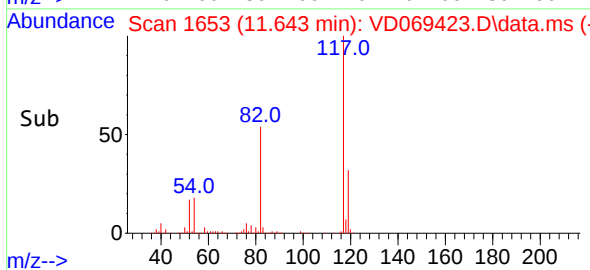
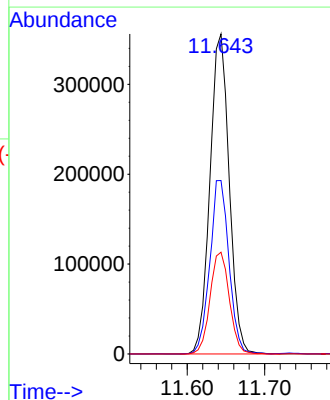
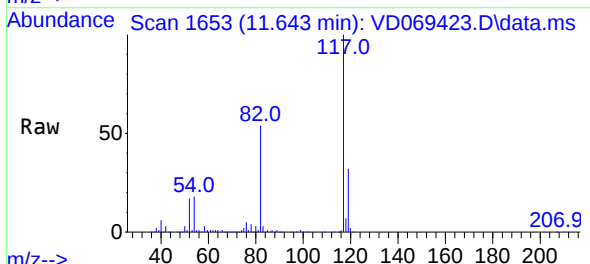
Instrument :
MSVOA_D
ClientSampleId :

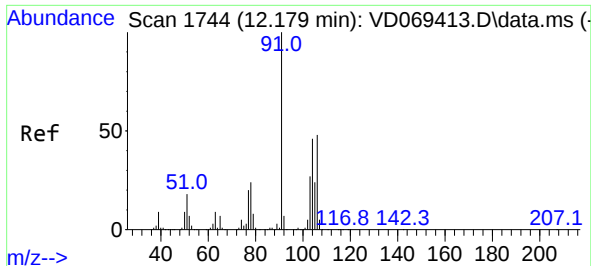
Tgt Ion: 95 Resp: 262100
Ion Ratio Lower Upper
95 100
174 83.7 0.0 162.8
176 81.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Tgt Ion: 117 Resp: 615832
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 31.8 25.3 37.9

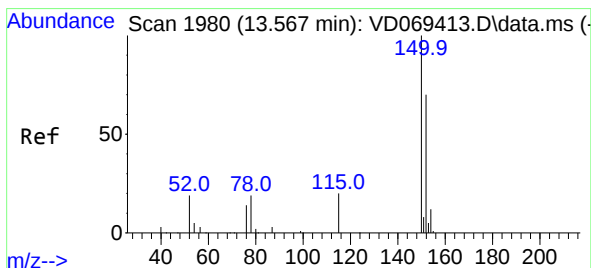
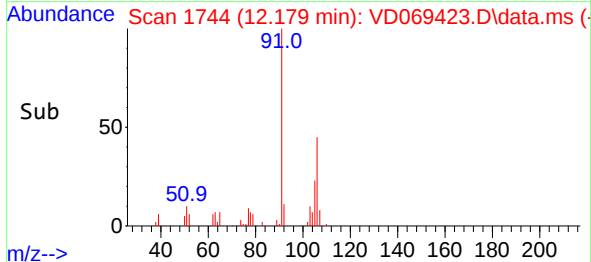
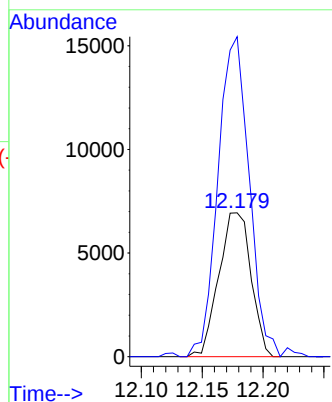
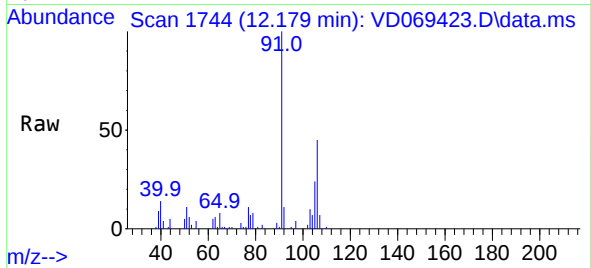




#69
o-Xylene
Concen: 1.60 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

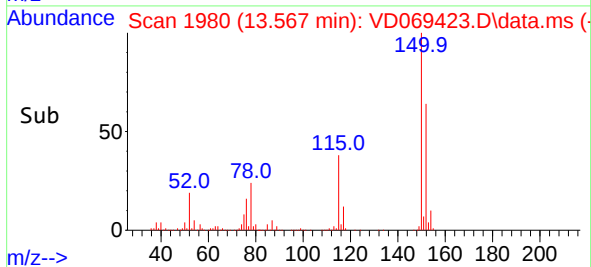
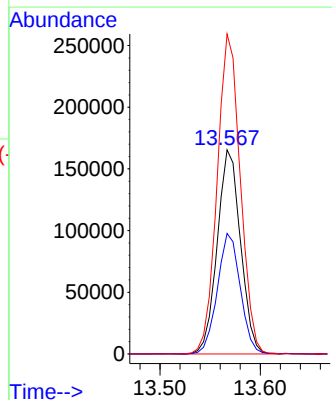
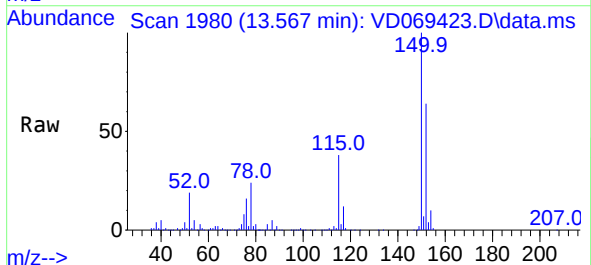
Instrument :
MSVOA_D
ClientSampleId :

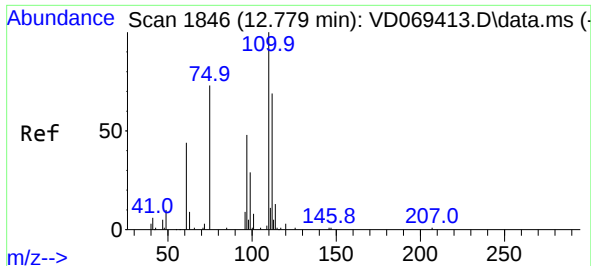
Tgt Ion:106 Resp: 12792
Ion Ratio Lower Upper
106 100
91 216.7 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Tgt Ion:152 Resp: 266620
Ion Ratio Lower Upper
152 100
115 58.3 29.4 88.3
150 155.9 0.0 355.0

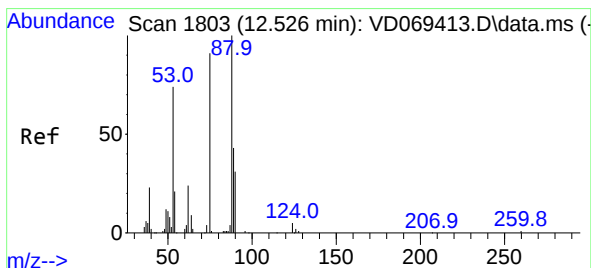
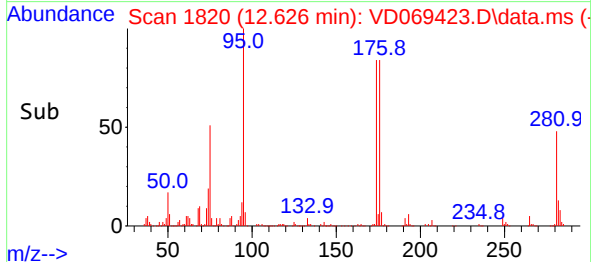
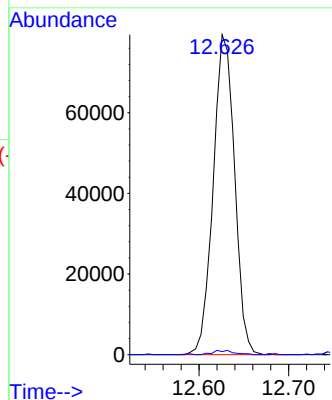
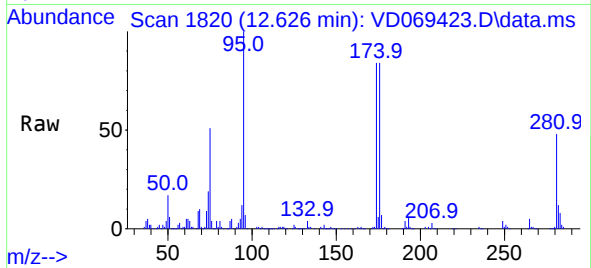




#76
1,2,3-Trichloropropane
Concen: 48.64 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

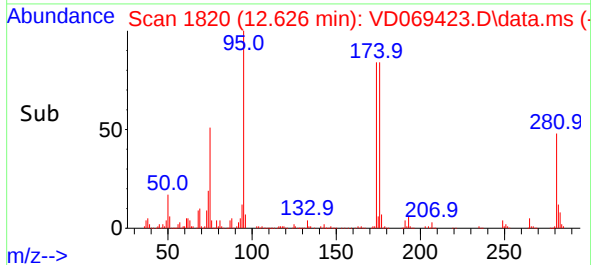
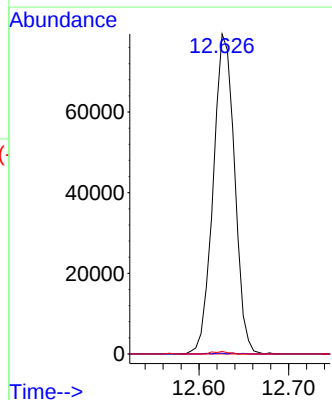
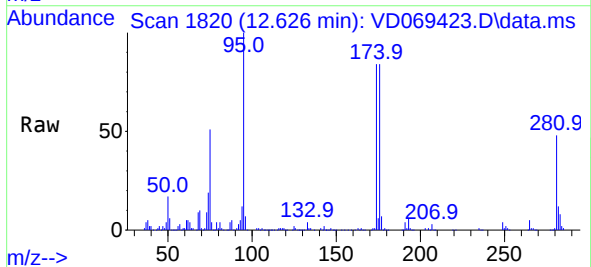
Instrument :
MSVOA_D
ClientSampled :

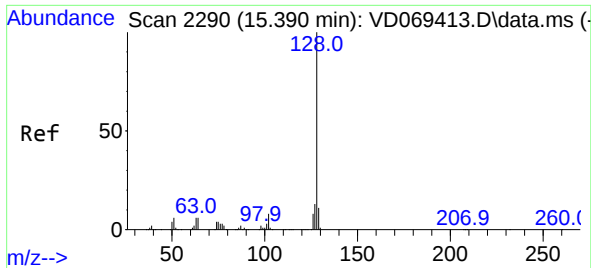
Tgt Ion: 75 Resp: 131475
Ion Ratio Lower Upper
75 100
77 1.3 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.76 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

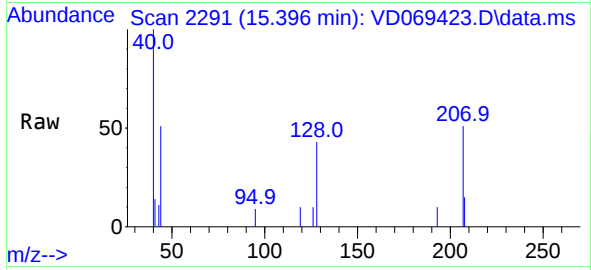
Tgt Ion: 75 Resp: 131475
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 35.6 53.4#





#95
Naphthalene
Concen: 3.72 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069423.D
Acq: 14 Jun 2021 13:30

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1472
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	0.0	8.8	13.2#

