

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069628.D
 Acq On : 08 Jul 2021 14:41
 Operator : VA/SY
 Sample : M2967-04
 Misc : 3.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:02:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	591805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1155927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1251437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	567342	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	360954	48.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.860%
35) Dibromofluoromethane	7.914	113	381320	48.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.338	98	1513047	51.624	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.240%
62) 4-Bromofluorobenzene	12.626	95	578274	60.015	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.020%

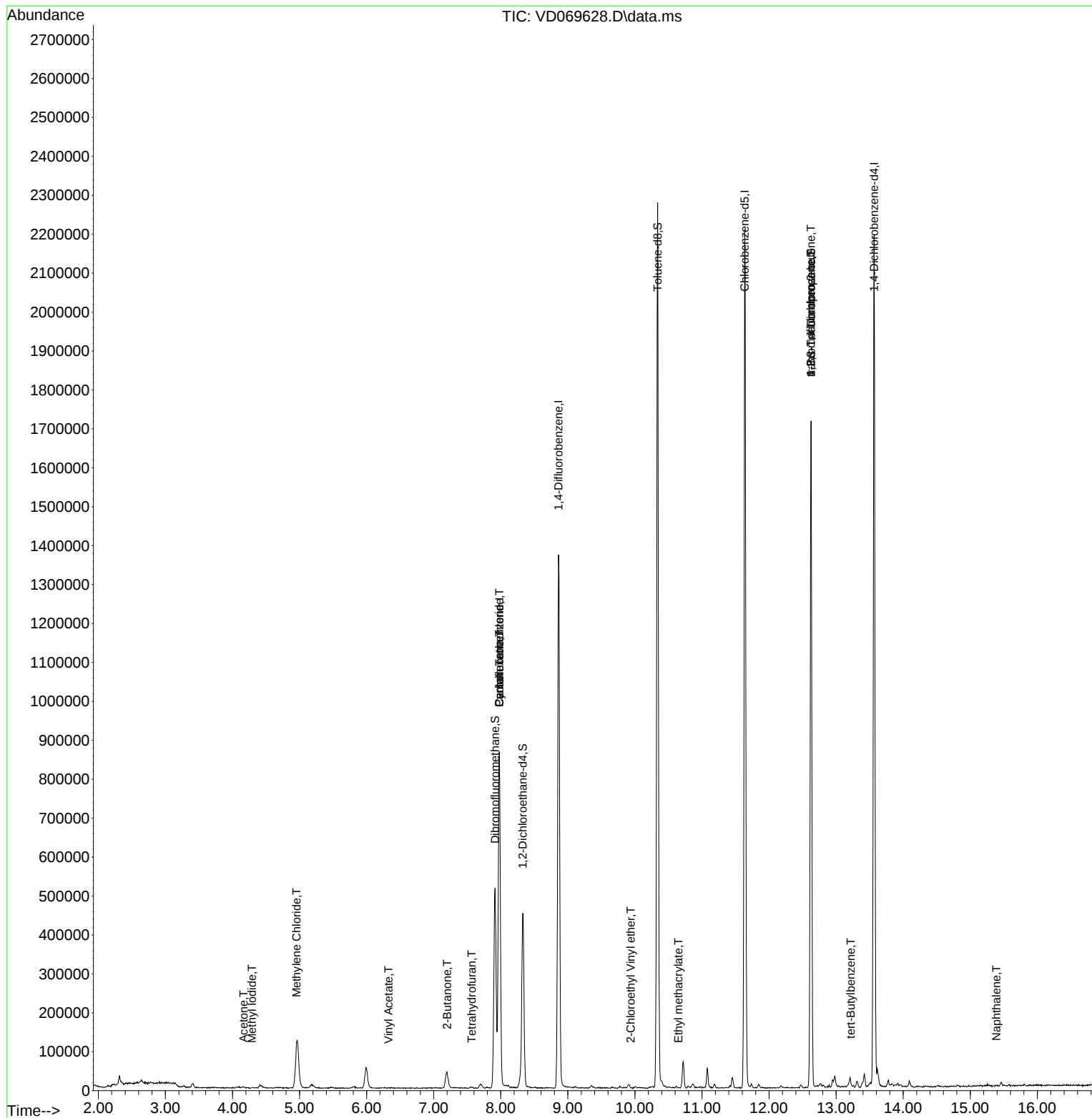
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	2729	Below Cal		93
10) Methyl Iodide	4.291	142	520	4.018 ug/l #		52
11) Tert butyl alcohol	5.185	59	5526	Below Cal #		83
16) Acetone	4.167	43	5659	4.558 ug/l		90
18) Methyl Acetate	4.720	43	905	Below Cal #		49
20) Methylene Chloride	4.956	84	101723	7.440 ug/l		95
23) Vinyl Acetate	6.326	43	695	19.072 ug/l #		70
25) 2-Butanone	7.203	43	3174	2.012 ug/l #		79
29) Tetrahydrofuran	7.567	42	1325	1.532 ug/l #		52
31) Cyclohexane	7.979	56	15847	1.596 ug/l #		1
38) Carbon Tetrachloride	7.979	117	65219	5.809 ug/l #		18
56) Ethyl methacrylate	10.649	69	717	2.674 ug/l #		56
58) 2-Chloroethyl Vinyl ether	9.938	63	437	10.710 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	291215	52.290 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	291215	130.562 ug/l #		13
83) tert-Butylbenzene	13.220	119	2289	2.067 ug/l		95
95) Naphthalene	15.390	128	1196	3.417 ug/l #		66

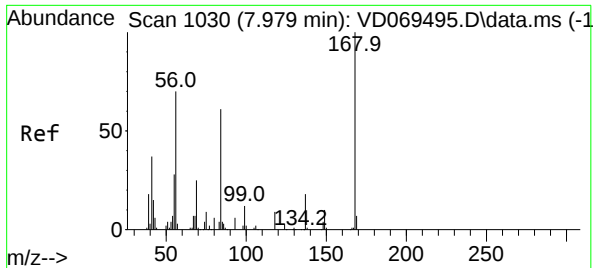
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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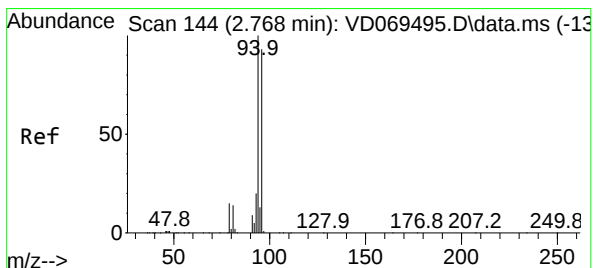
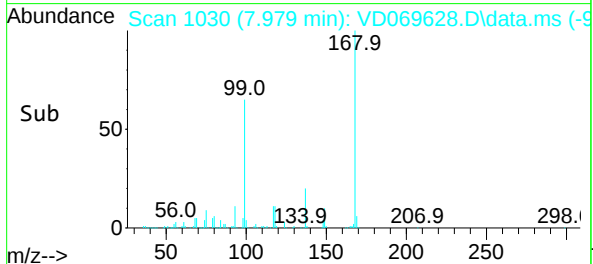
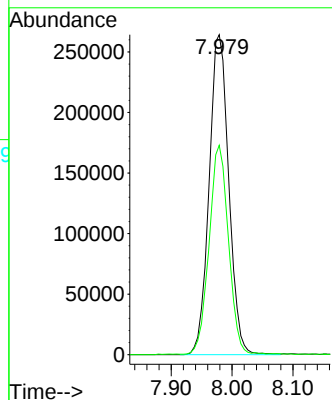
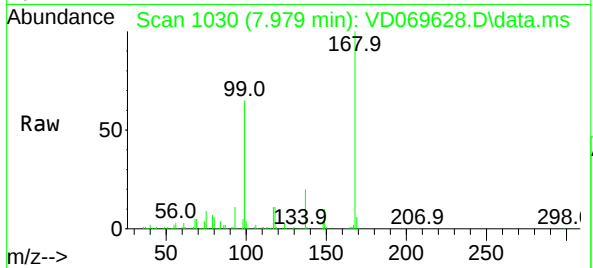




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

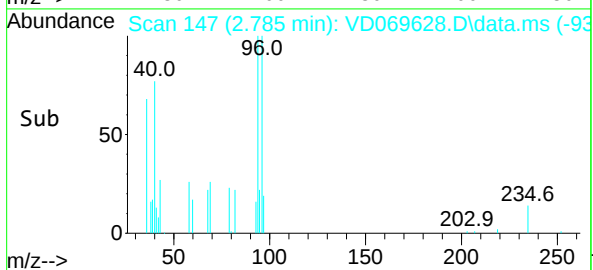
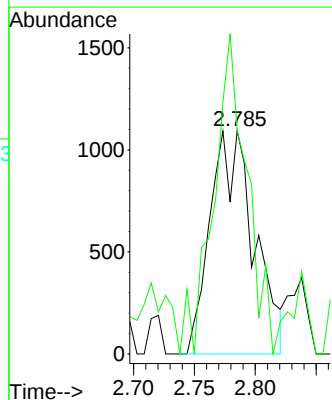
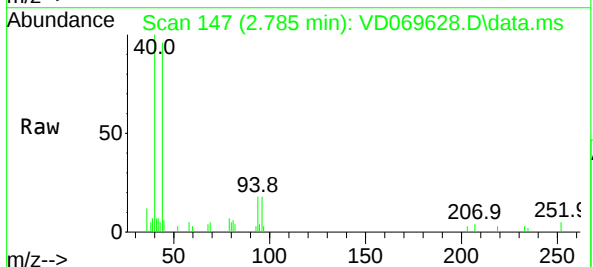
Instrument :
MSVOA_D
ClientSampled :

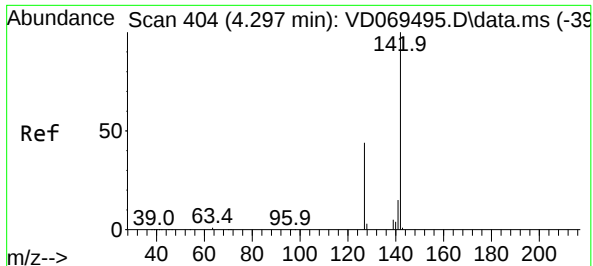
Tgt Ion:168 Resp: 591805
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

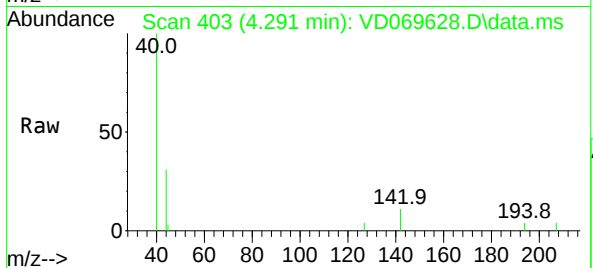
Tgt Ion: 94 Resp: 2729
Ion Ratio Lower Upper
94 100
96 100.2 74.6 111.8



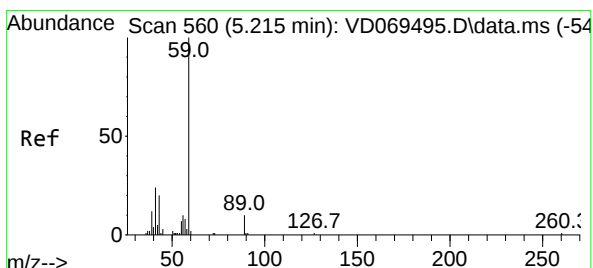
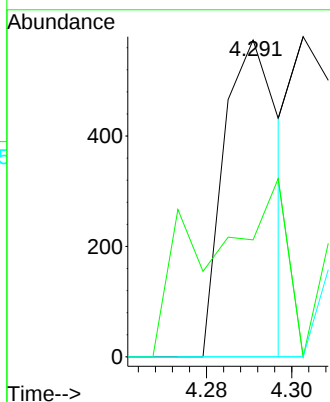
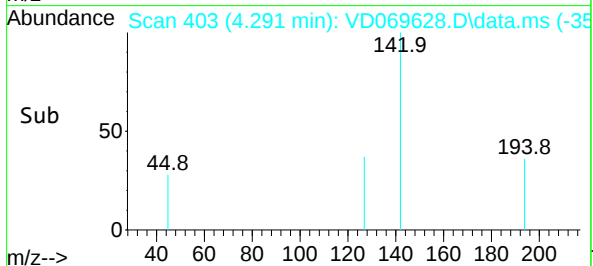


#10
Methyl Iodide
Concen: 4.018 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

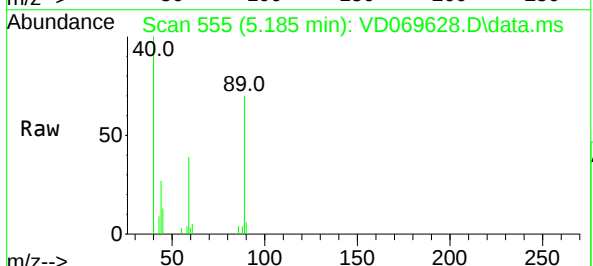
Instrument :
MSVOA_D
ClientSampled :



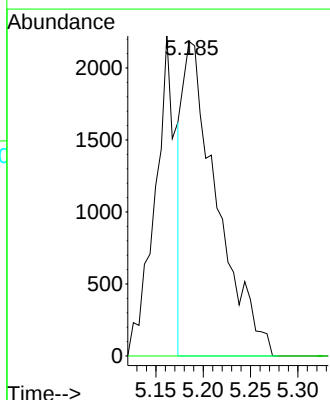
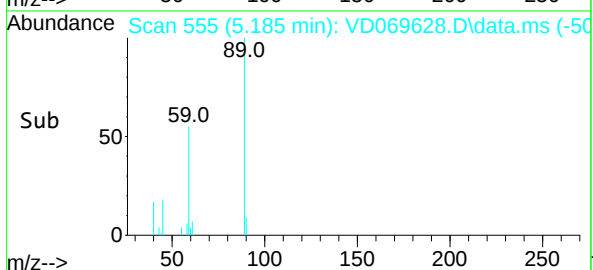
Tgt Ion:142 Resp: 520
Ion Ratio Lower Upper
142 100
127 79.6 36.5 54.7#
141 0.0 12.0 18.0#

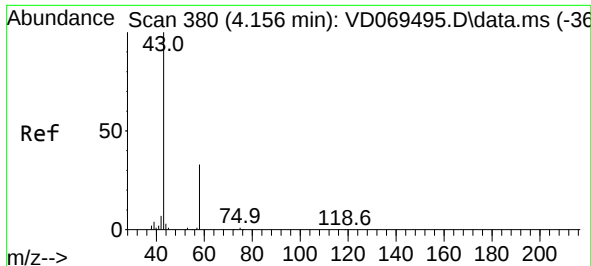


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41



Tgt Ion: 59 Resp: 5526
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

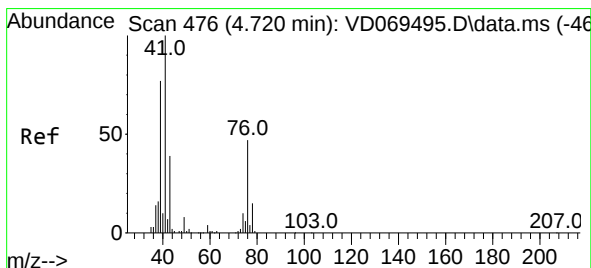
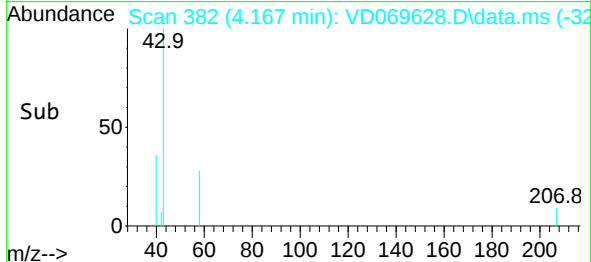
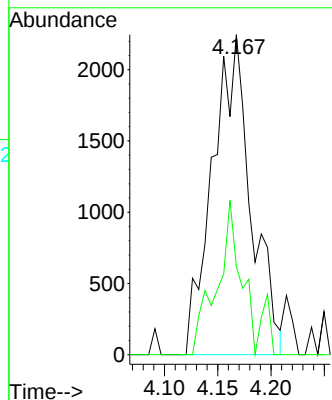
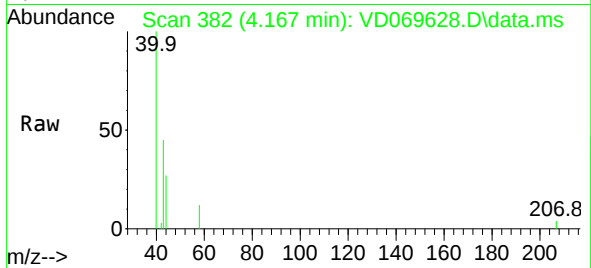




#16
Acetone
Concen: 4.558 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

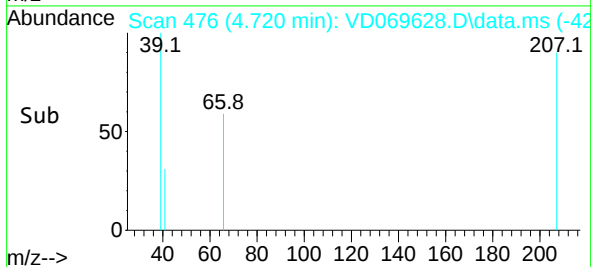
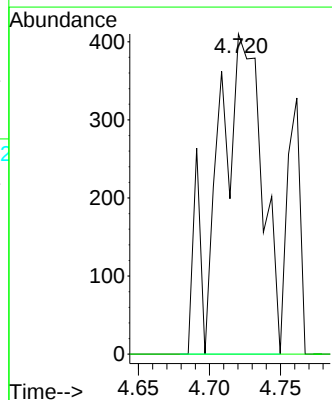
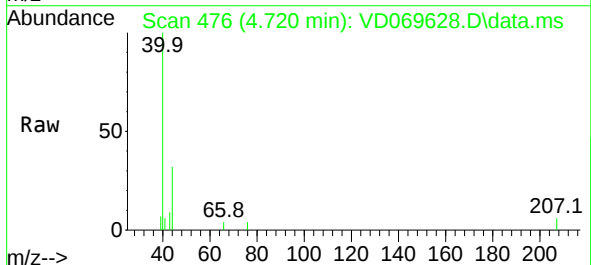
Instrument :
MSVOA_D
ClientSampled :

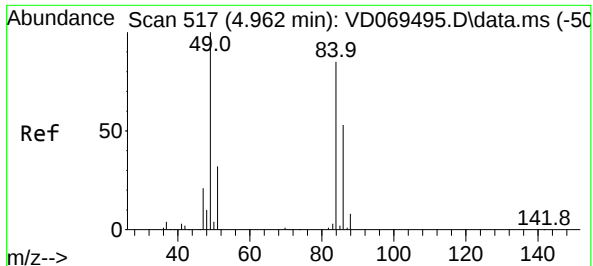
Tgt Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
58 27.6 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 7.440 ug/l

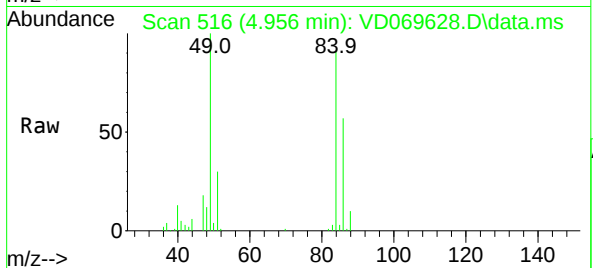
RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD069628.D

Acq: 08 Jul 2021 14:41

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 101723

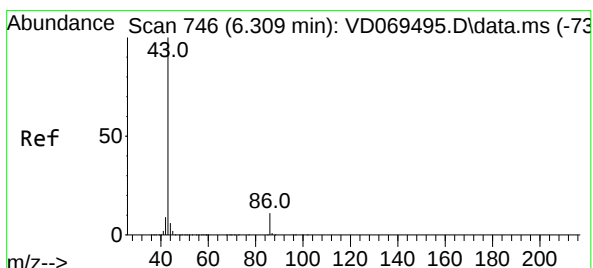
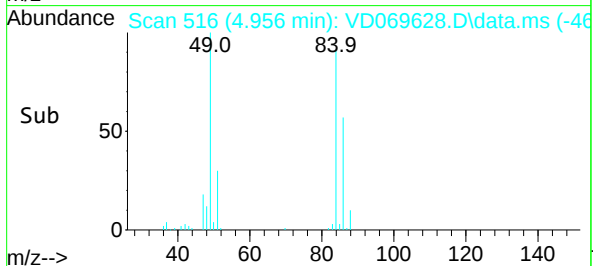
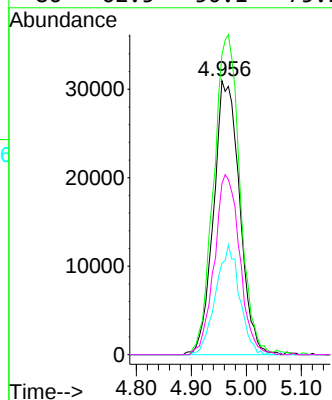
Ion Ratio Lower Upper

84 100

49 109.6 94.0 141.0

51 33.4 29.7 44.5

86 62.5 50.1 75.1



#23

Vinyl Acetate

Concen: 19.072 ug/l

RT: 6.326 min Scan# 749

Delta R.T. 0.017 min

Lab File: VD069628.D

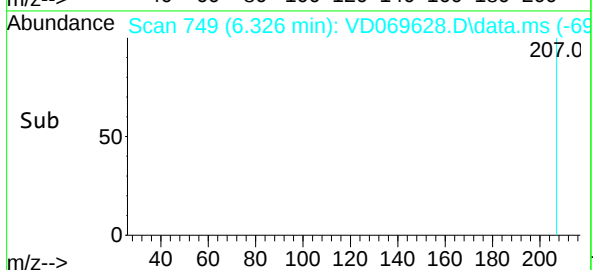
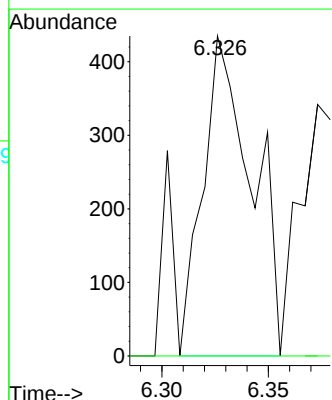
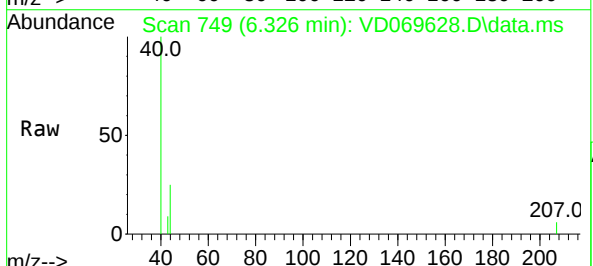
Acq: 08 Jul 2021 14:41

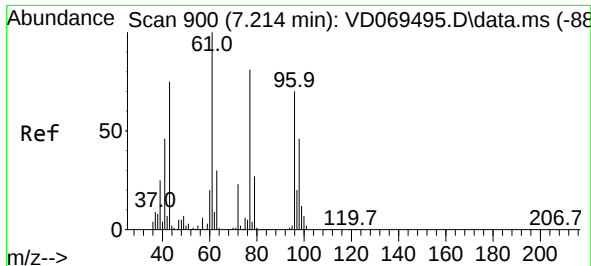
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

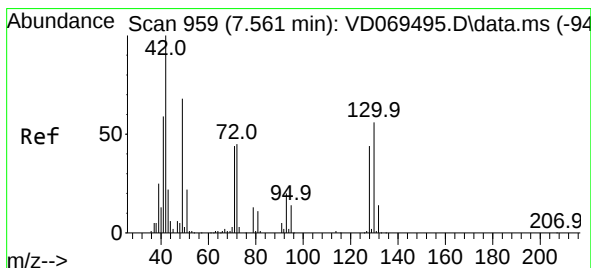
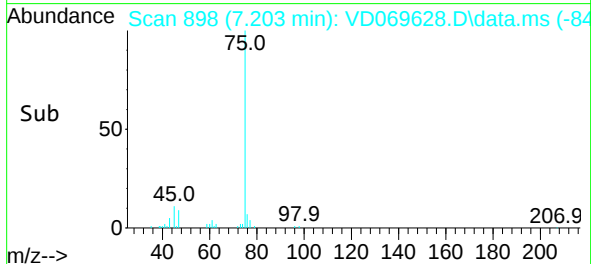
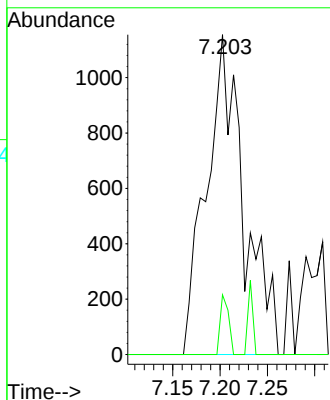
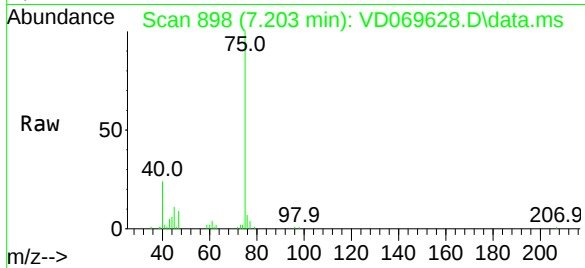




#25
2-Butanone
Concen: 2.012 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

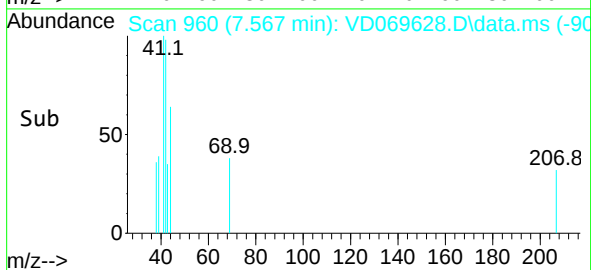
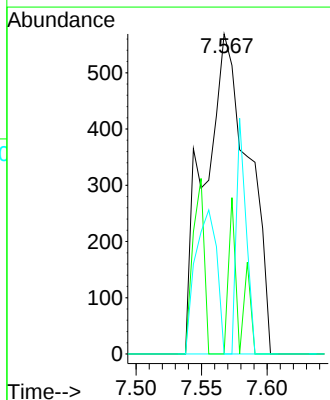
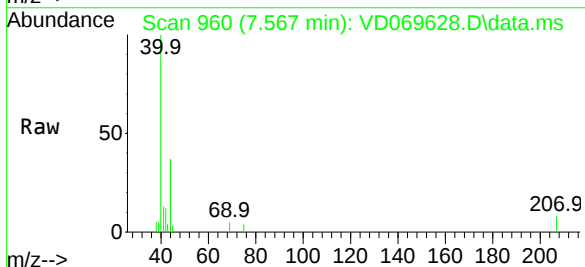
Instrument :
MSVOA_D
ClientSampled :

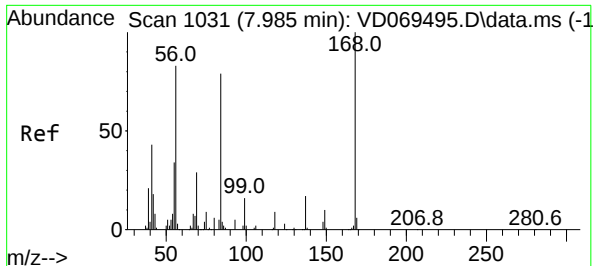
Tgt Ion: 43 Resp: 3174
Ion Ratio Lower Upper
43 100
72 18.7 24.3 36.5#



#29
Tetrahydrofuran
Concen: 1.532 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Tgt Ion: 42 Resp: 1325
Ion Ratio Lower Upper
42 100
72 11.8 37.9 56.9#
71 16.4 35.1 52.7#

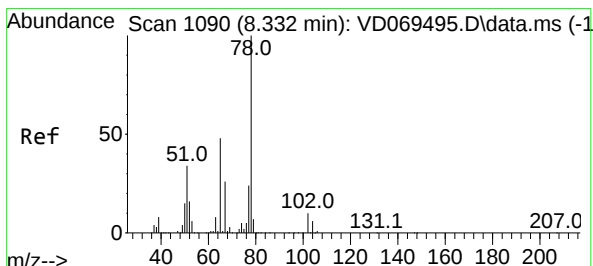
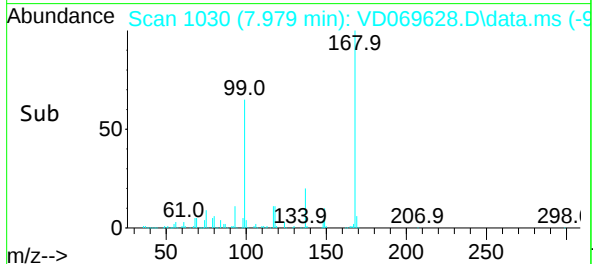
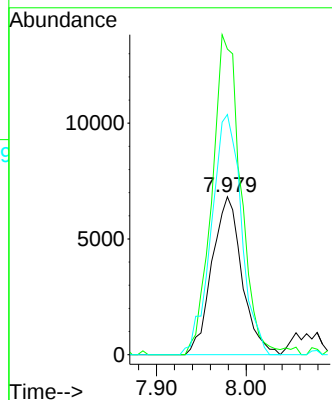
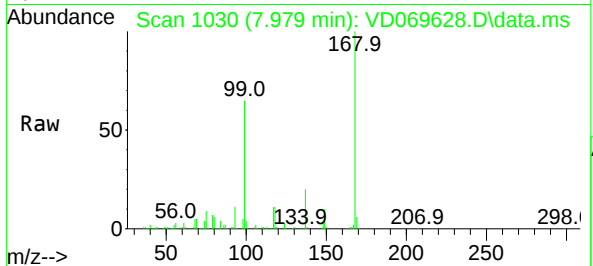




#31
Cyclohexane
Concen: 1.596 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

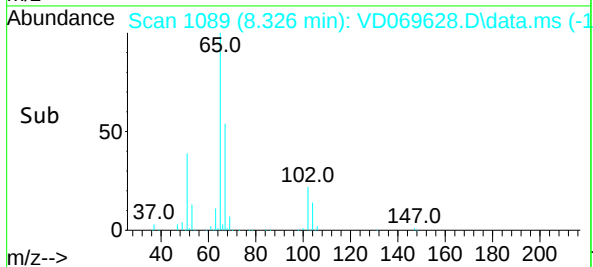
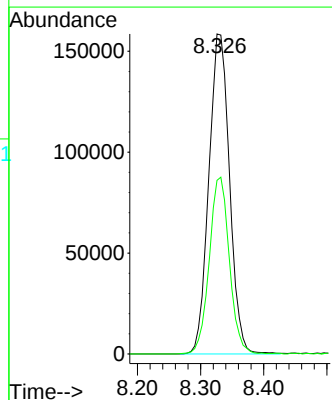
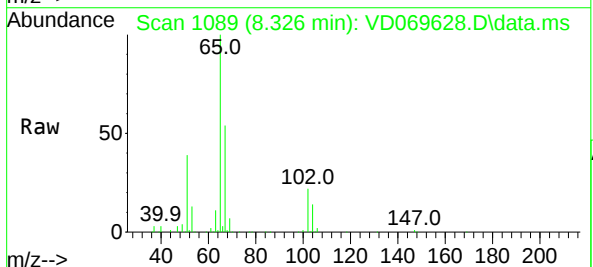
Instrument :
MSVOA_D
ClientSampleId :

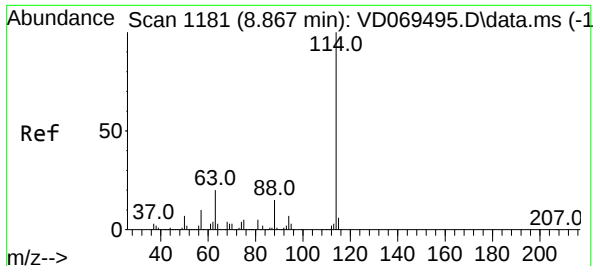
Tgt Ion: 56 Resp: 15847
Ion Ratio Lower Upper
56 100
69 193.5 28.0 42.0#
84 152.1 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 48.931 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Tgt Ion: 65 Resp: 360954
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6

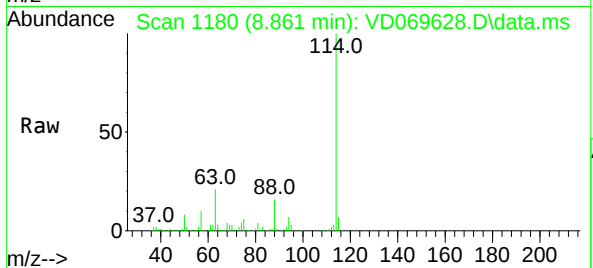




#34

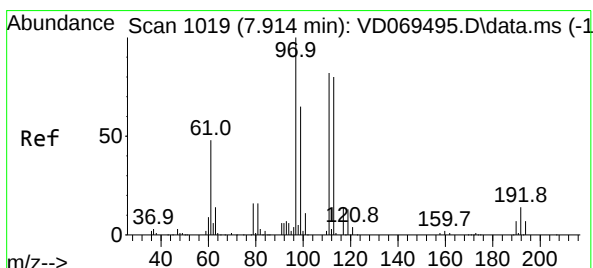
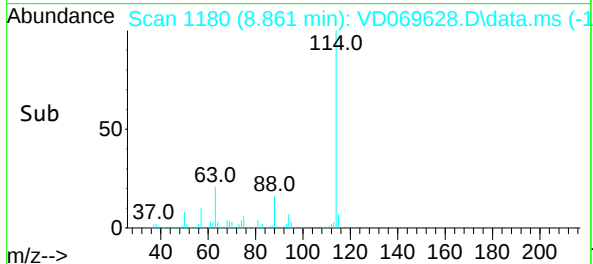
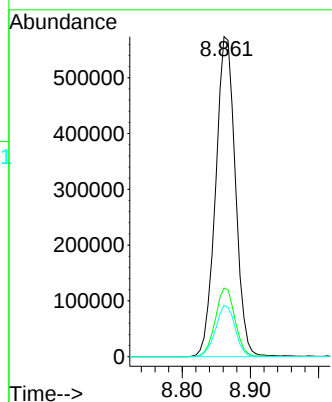
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:114 Resp: 1155927

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.6
88	16.0	0.0	29.8

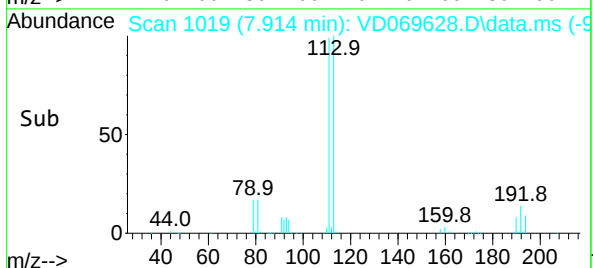
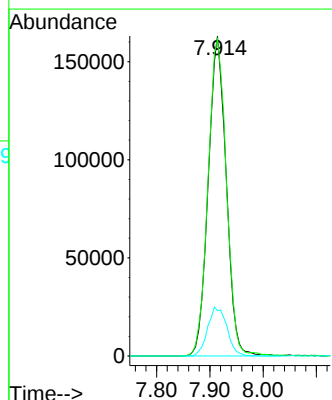
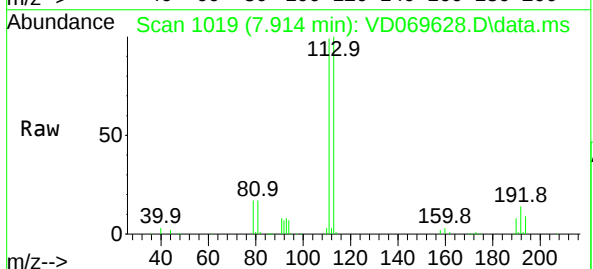


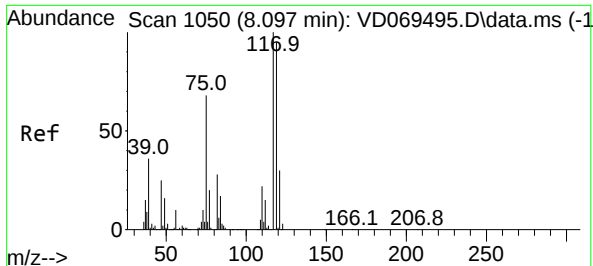
#35

Dibromofluoromethane
Concen: 48.801 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Tgt Ion:113 Resp: 381320

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.8	122.8
192	16.4	13.8	20.6

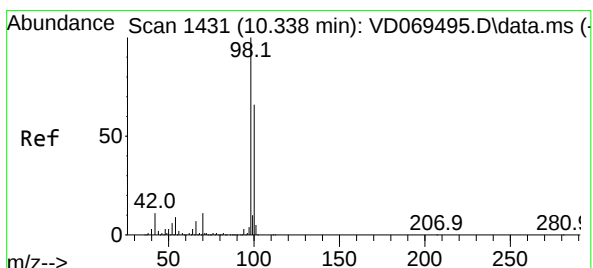
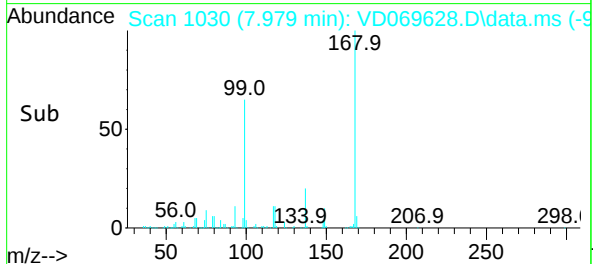
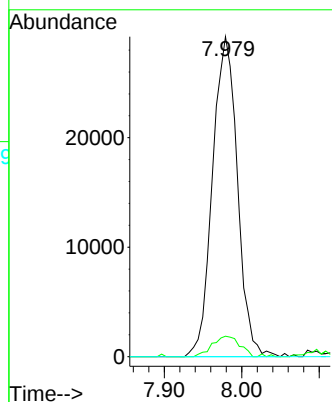
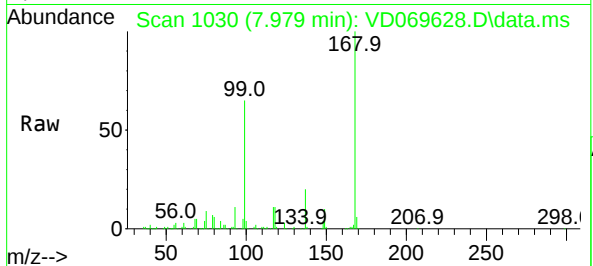




#38
Carbon Tetrachloride
Concen: 5.809 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

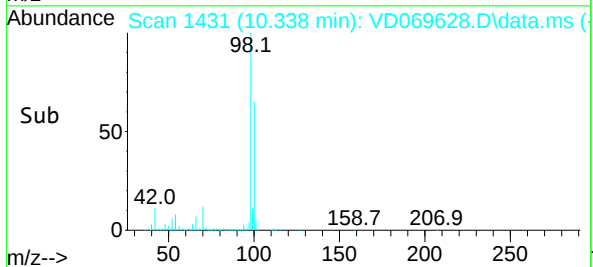
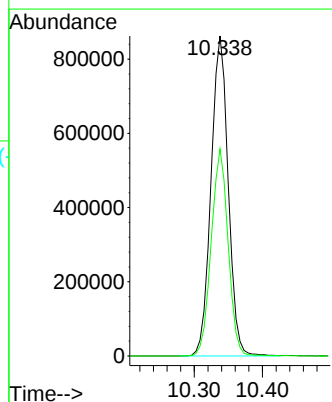
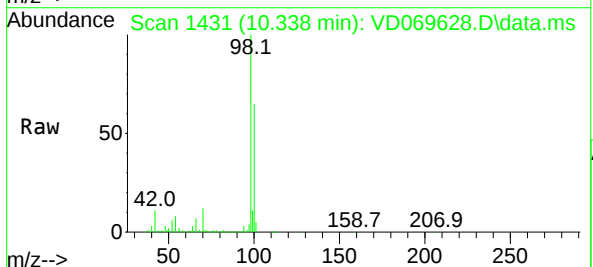
Instrument :
MSVOA_D
ClientSampleId :

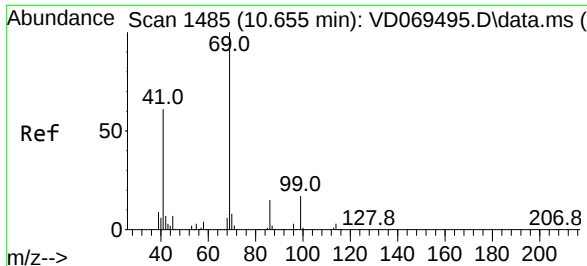
Tgt Ion:117 Resp: 65219
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.624 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

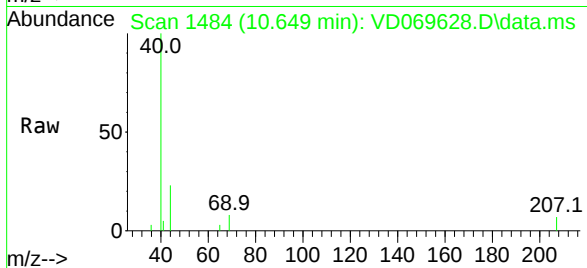
Tgt Ion: 98 Resp: 1513047
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



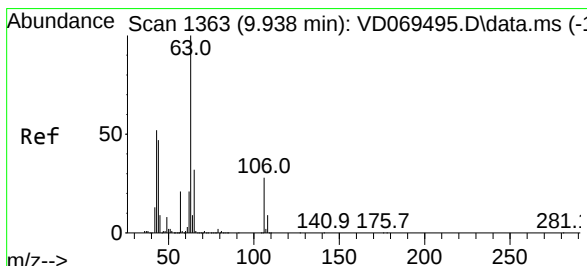
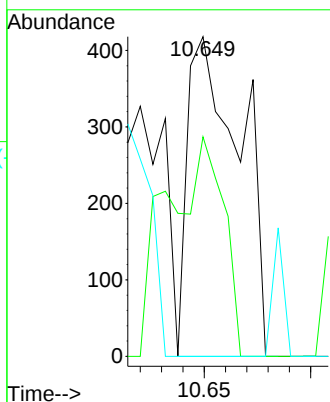
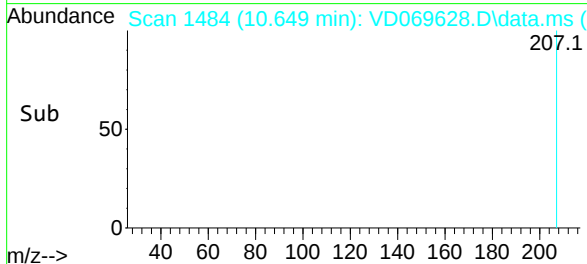


#56
Ethyl methacrylate
Concen: 2.674 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

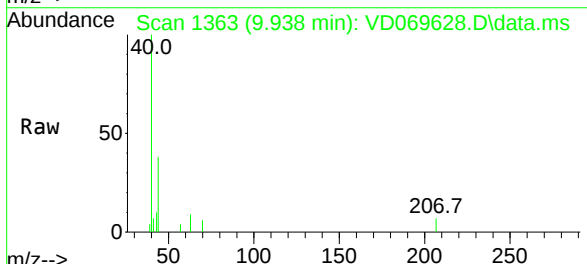
Instrument :
MSVOA_D
ClientSampled :



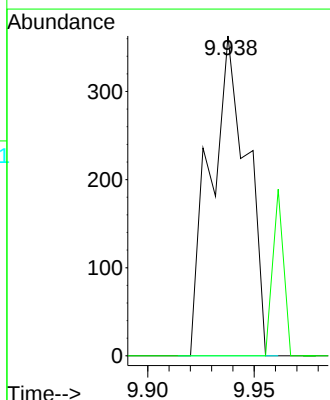
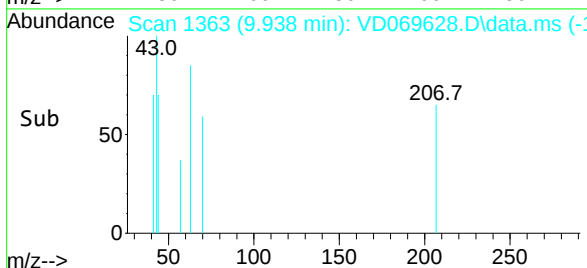
Tgt Ion: 69 Resp: 717
Ion Ratio Lower Upper
69 100
41 34.6 49.4 74.0#
39 0.0 26.9 40.3#

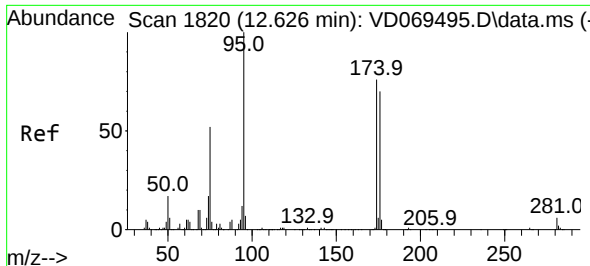


#58
2-Chloroethyl Vinyl ether
Concen: 10.710 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41



Tgt Ion: 63 Resp: 437
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

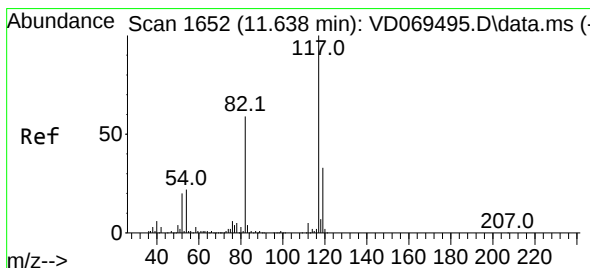
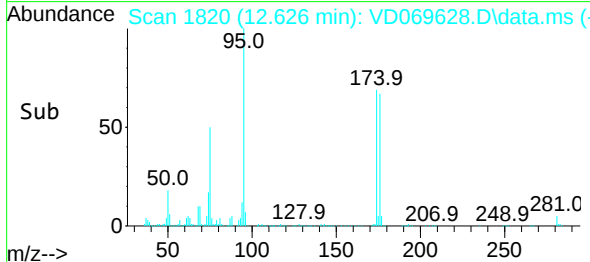
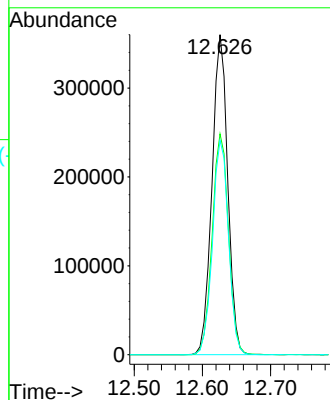
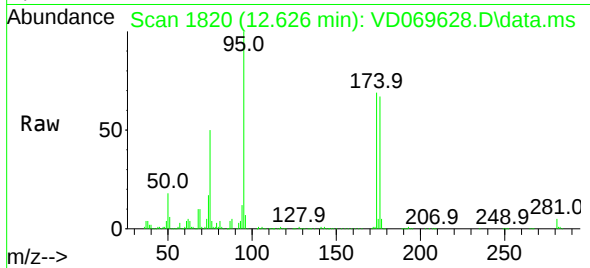




#62
4-Bromofluorobenzene
Concen: 60.015 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

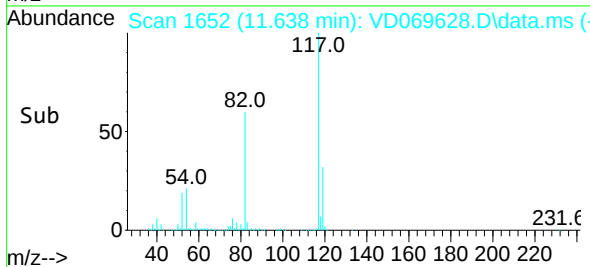
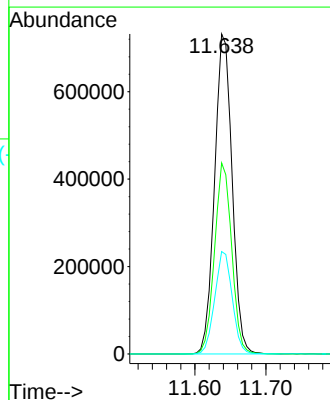
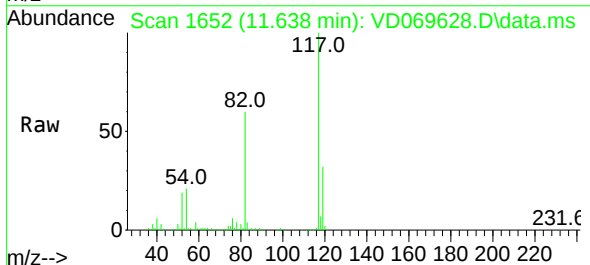
Instrument :
MSVOA_D
ClientSampleId :

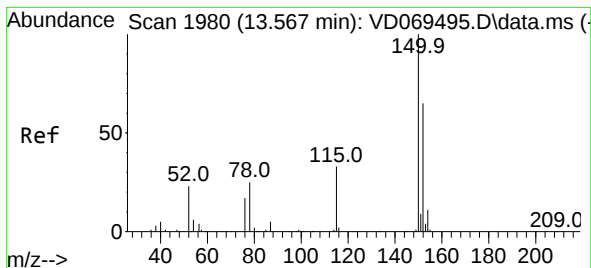
Tgt Ion: 95 Resp: 578274
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.0
176 67.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Tgt Ion: 117 Resp: 1251437
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 32.0 26.2 39.2

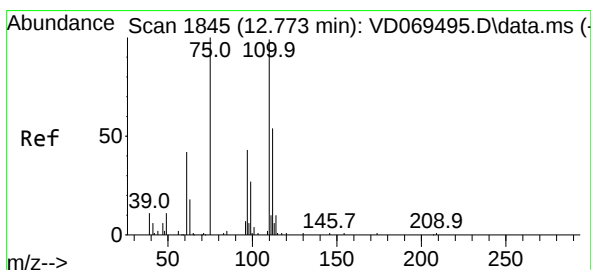
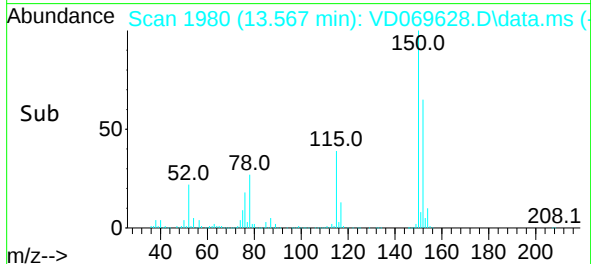
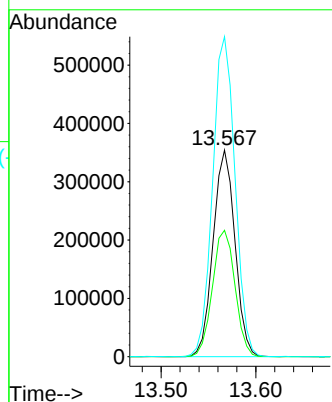
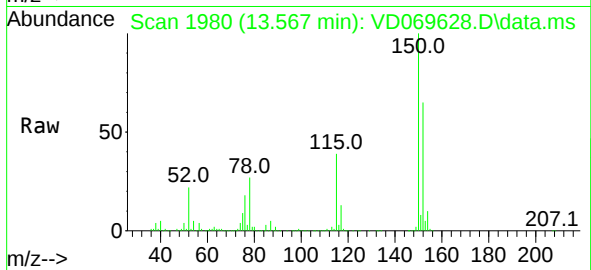




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

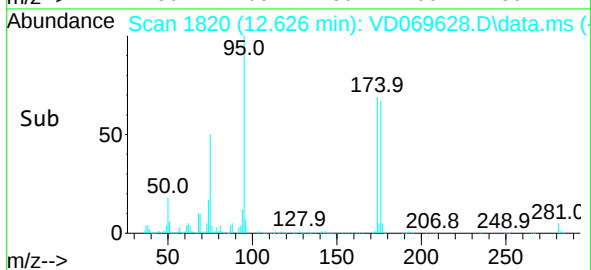
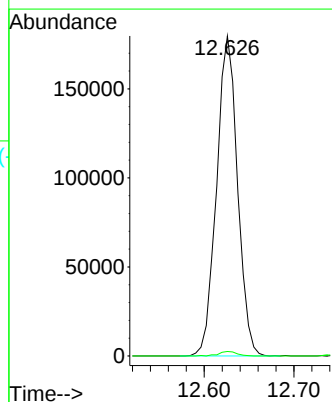
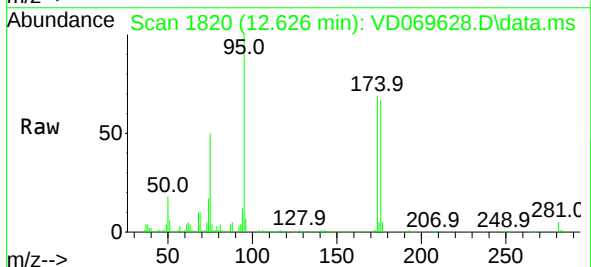
Instrument :
MSVOA_D
ClientSampleId :

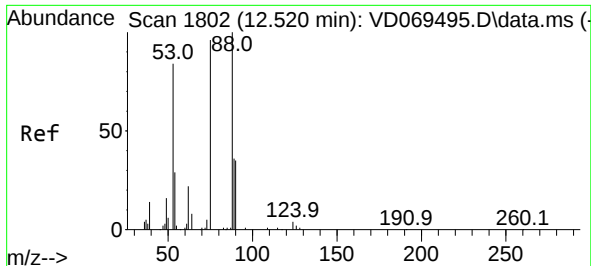
Tgt Ion:152 Resp: 567342
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 159.1 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 52.290 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

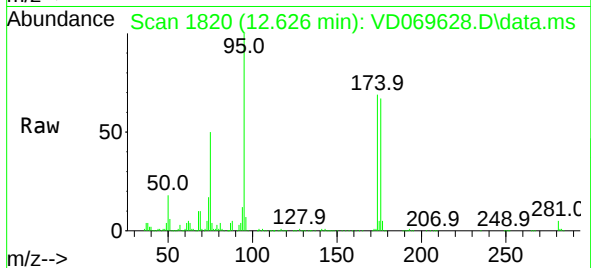
Tgt Ion: 75 Resp: 291215
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



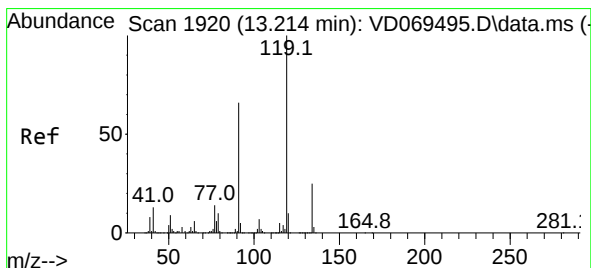
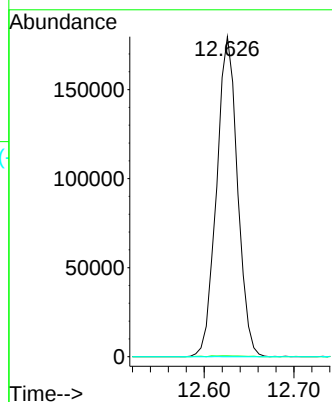
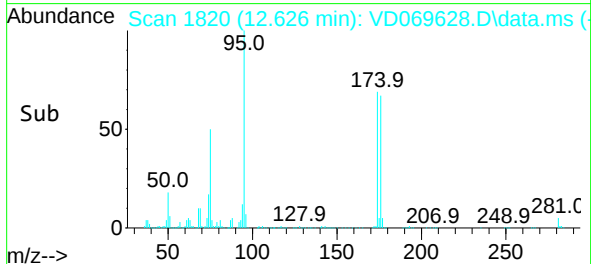


#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.562 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069628.D
 Acq: 08 Jul 2021 14:41

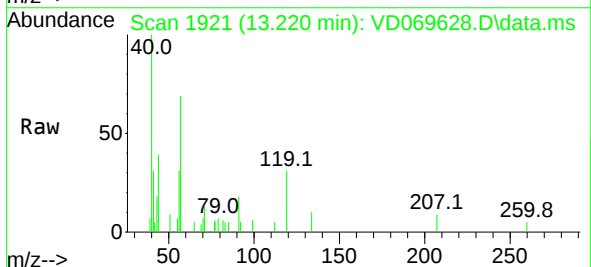
Instrument :
 MSVOA_D
 ClientSampleId :



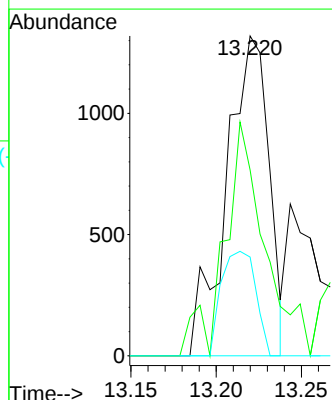
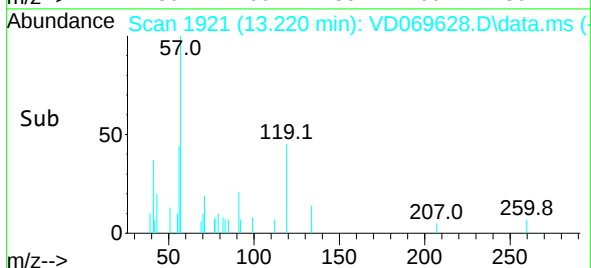
Tgt Ion: 75 Resp: 291215
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.0 35.3 52.9#

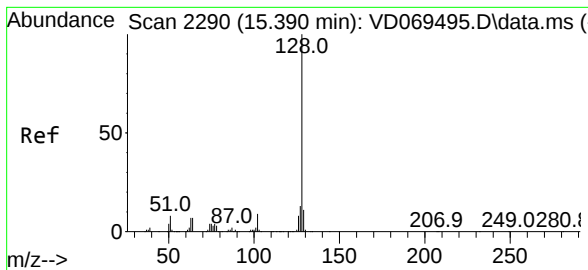


#83
 tert-Butylbenzene
 Concen: 2.067 ug/l
 RT: 13.220 min Scan# 1921
 Delta R.T. 0.006 min
 Lab File: VD069628.D
 Acq: 08 Jul 2021 14:41



Tgt Ion: 119 Resp: 2289
 Ion Ratio Lower Upper
 119 100
 91 69.7 32.5 97.4
 134 26.5 12.9 38.7





#95
Naphthalene
Concen: 3.417 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069628.D
Acq: 08 Jul 2021 14:41

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1196
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 23.8 8.7 13.1#

