

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030921\
 Data File : VD068573.D
 Acq On : 09 Mar 2021 12:19
 Operator : VA/SY
 Sample : M1599-01
 Misc : 5.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 00:00:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

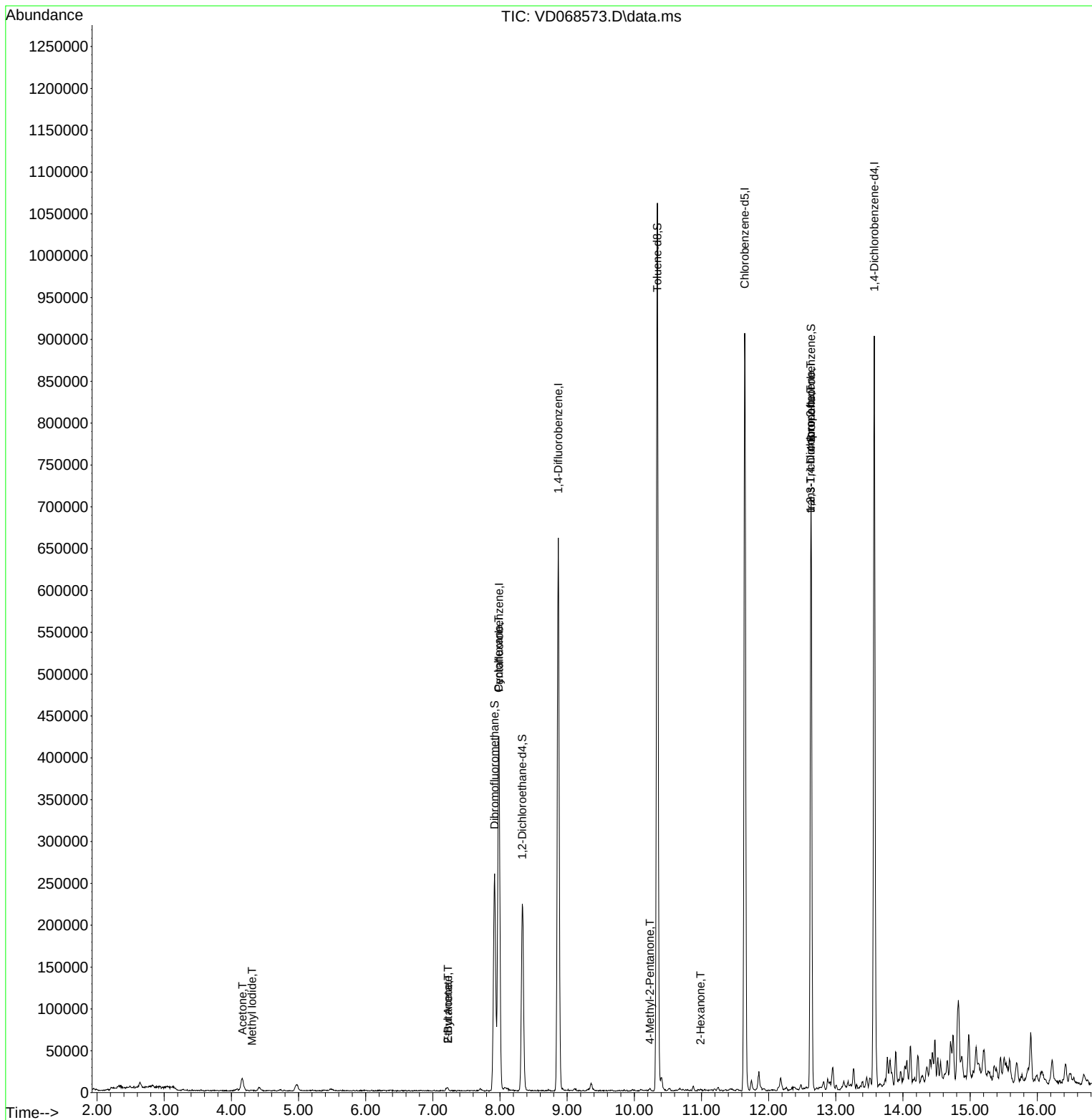
Internal Standards						
1) Pentafluorobenzene	7.985	168	326961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	590361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	558673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	241469	50.00	ug/l	0.00

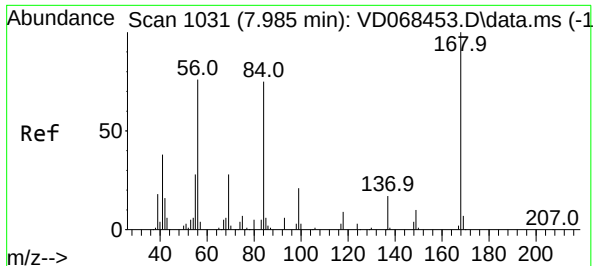
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	179497	54.95	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.90%
35) Dibromofluoromethane	7.920	113	183431	51.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.16%
50) Toluene-d8	10.343	98	735116	51.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.80%
62) 4-Bromofluorobenzene	12.631	95	235620	51.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.22%

Target Compounds						Qvalue
10) Methyl Iodide	4.308	142	1097	2.88	ug/l #	38
16) Acetone	4.167	43	25574	49.28	ug/l	93
20) Methylene Chloride	4.967	84	6707	Below Cal	#	81
25) 2-Butanone	7.226	43	3339	4.48	ug/l #	74
31) Cyclohexane	7.979	56	8937	1.50	ug/l #	25
37) Ethyl Acetate	7.226	43	3339	1.79	ug/l #	75
51) 4-Methyl-2-Pentanone	10.232	43	1821	1.02	ug/l	92
59) 2-Hexanone	10.984	43	1293	1.08	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	118561	55.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	118561	129.07	ug/l #	13

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

Quant Time: Mar 10 00:00:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

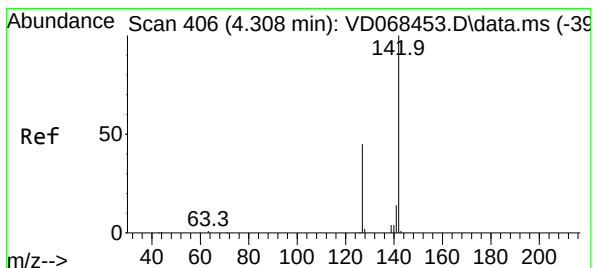
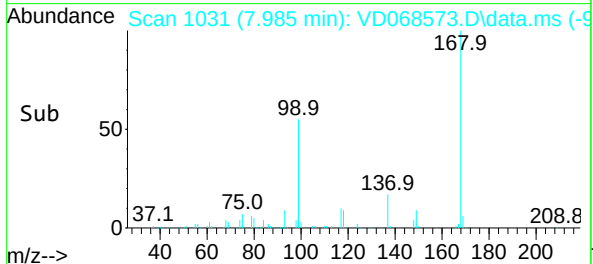
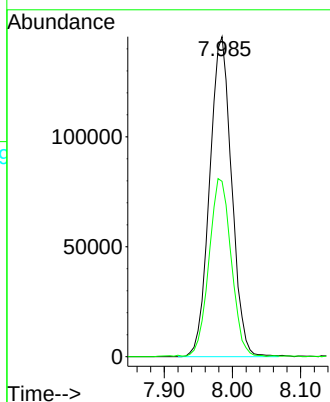
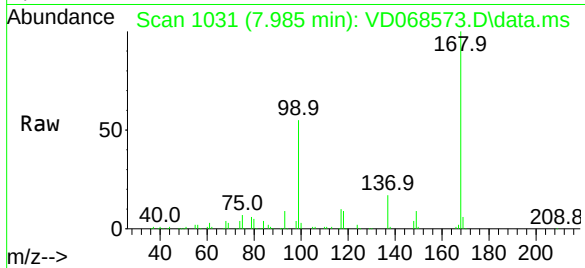




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

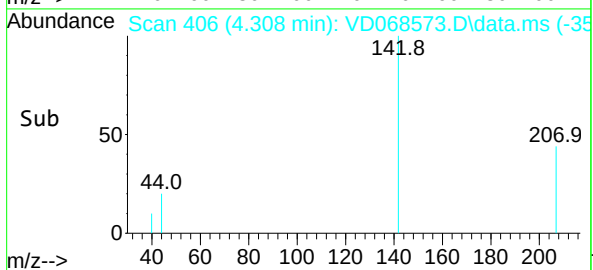
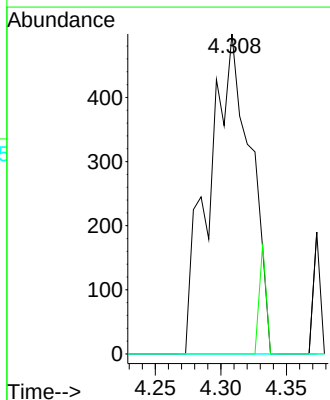
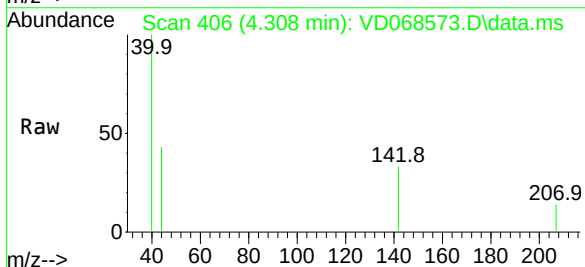
Instrument :
MSVOA_D
ClientSampleId :

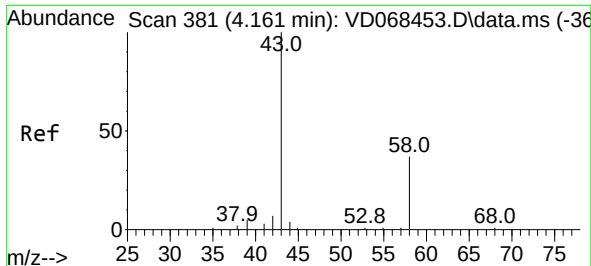
Tgt Ion:168 Resp: 326961
Ion Ratio Lower Upper
168 100
99 54.6 43.5 65.3



#10
Methyl Iodide
Concen: 2.88 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion:142 Resp: 1097
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

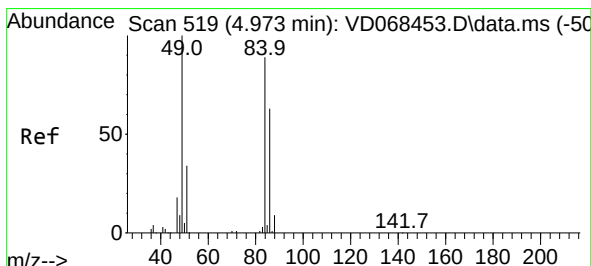
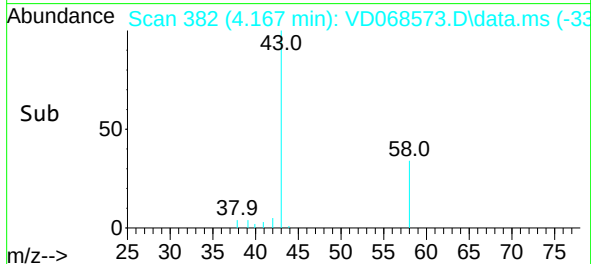
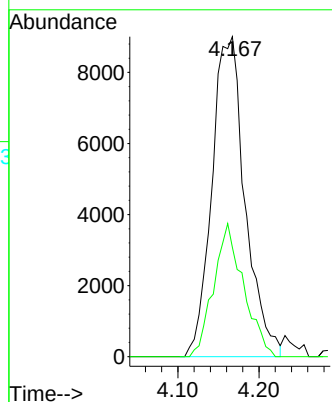
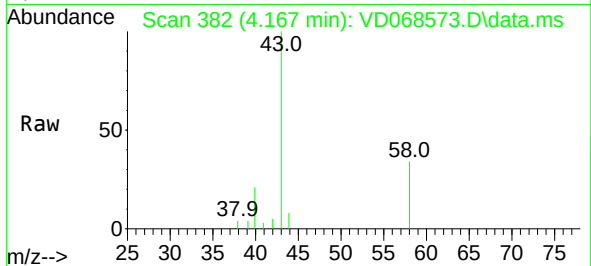




#16
Acetone
Concen: 49.28 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

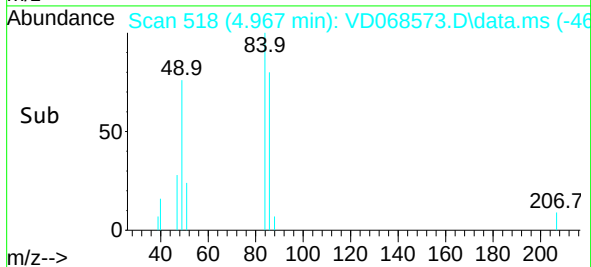
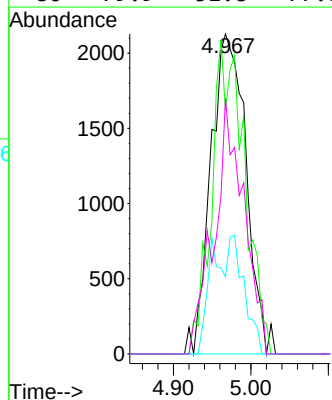
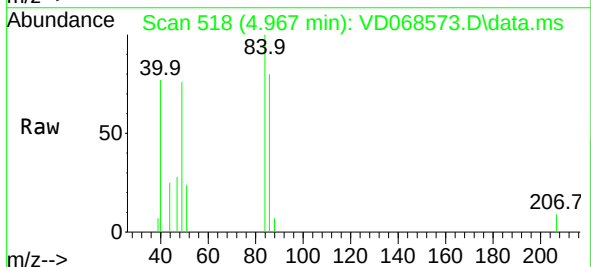
Instrument :
MSVOA_D
ClientSampled :

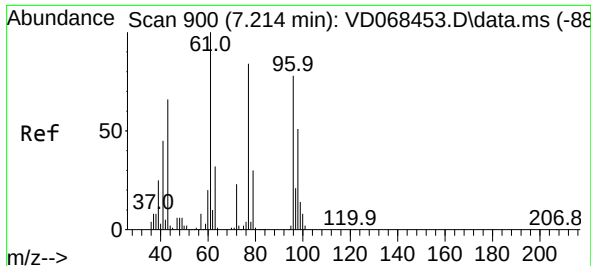
Tgt Ion: 43 Resp: 25574
Ion Ratio Lower Upper
43 100
58 34.2 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 84 Resp: 6707
Ion Ratio Lower Upper
84 100
49 76.1 77.4 116.2#
51 24.1 26.1 39.1#
86 79.9 51.8 77.8#

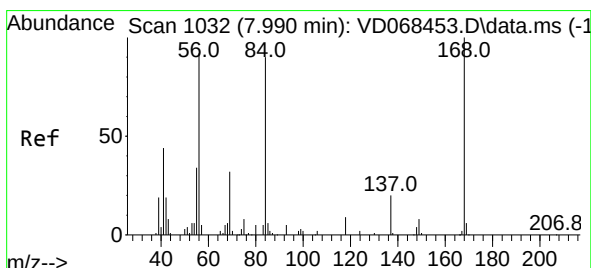
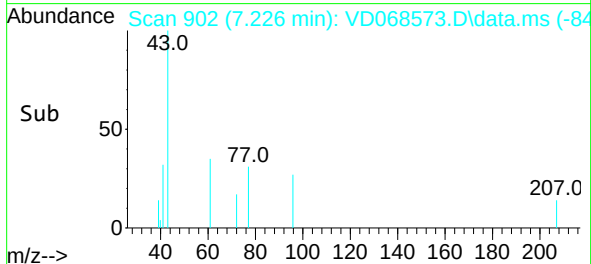
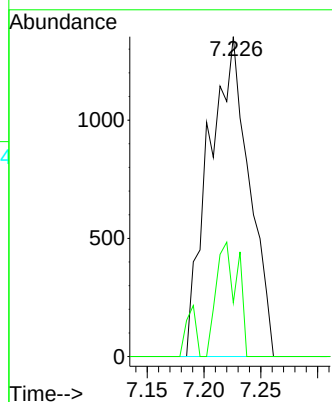
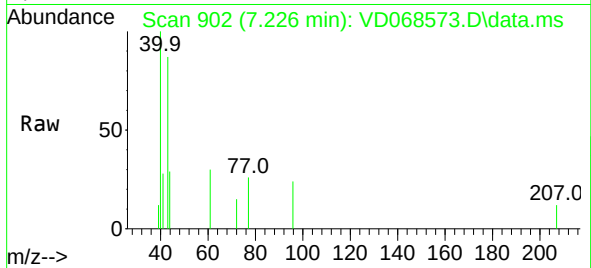




#25
2-Butanone
Concen: 4.48 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

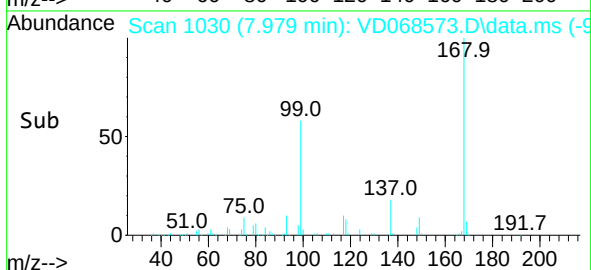
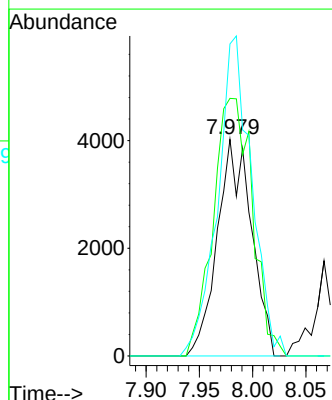
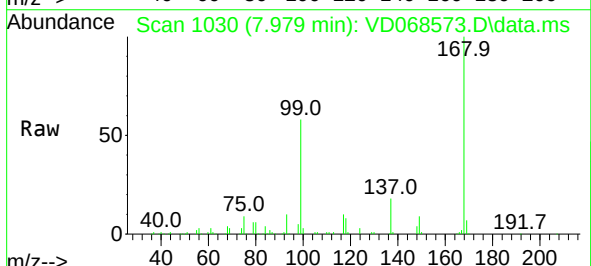
Instrument :
MSVOA_D
ClientSampled :

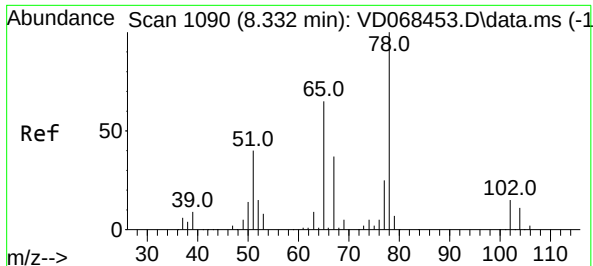
Tgt Ion: 43 Resp: 3339
Ion Ratio Lower Upper
43 100
72 16.9 25.1 37.7#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 56 Resp: 8937
Ion Ratio Lower Upper
56 100
69 118.8 30.1 45.1#
84 155.6 82.1 123.1#

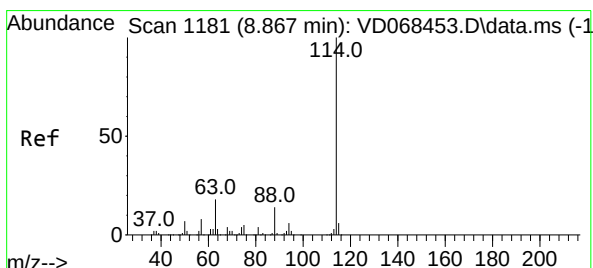
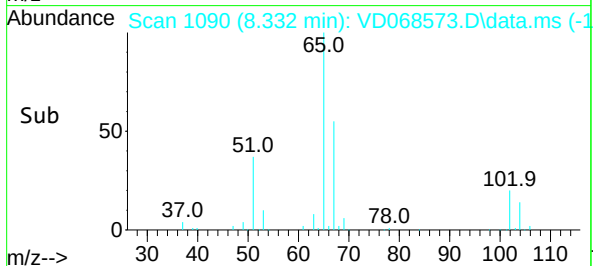
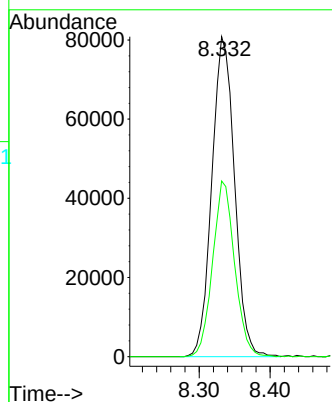
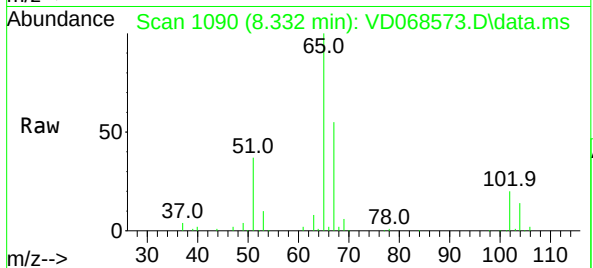




#33
1,2-Dichloroethane-d4
Concen: 54.95 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

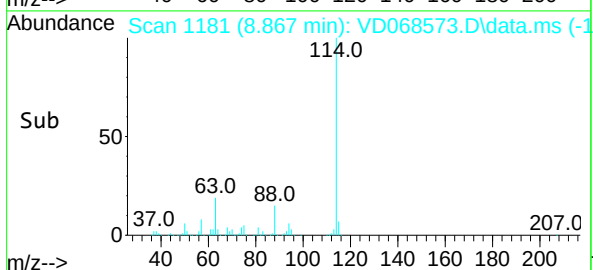
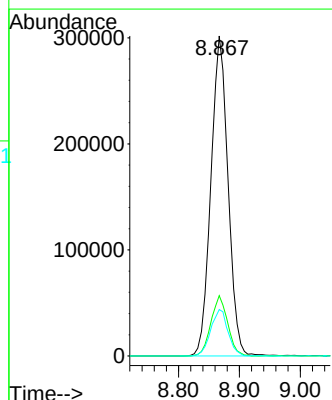
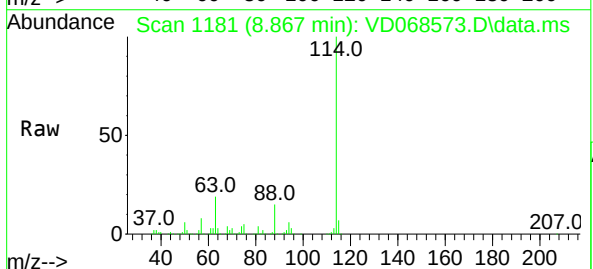
Instrument :
MSVOA_D
ClientSampled :

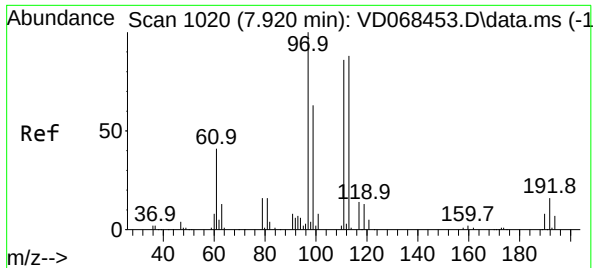
Tgt Ion: 65 Resp: 179497
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 114 Resp: 590361
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.8
88 14.5 0.0 31.6

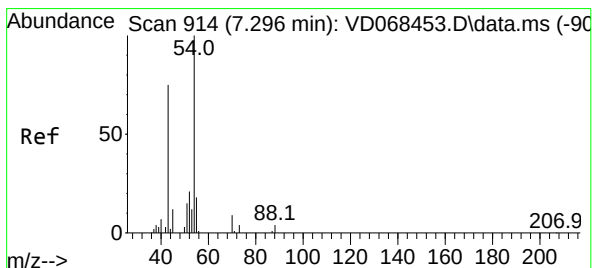
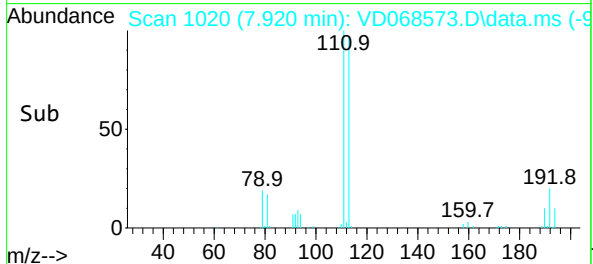
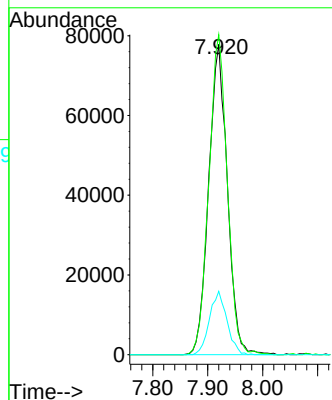
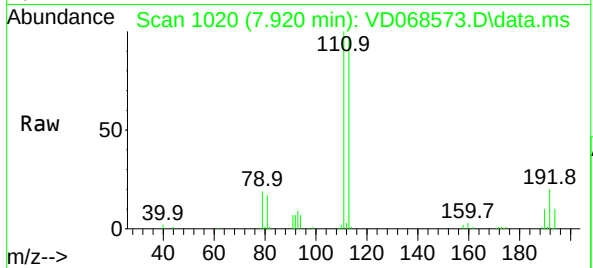




#35
Dibromofluoromethane
Concen: 51.58 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

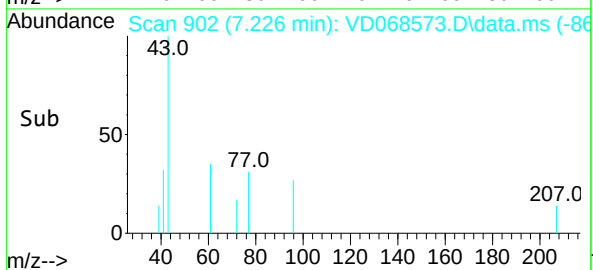
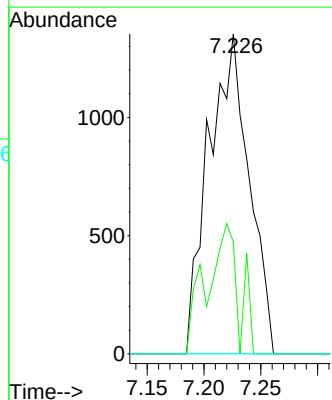
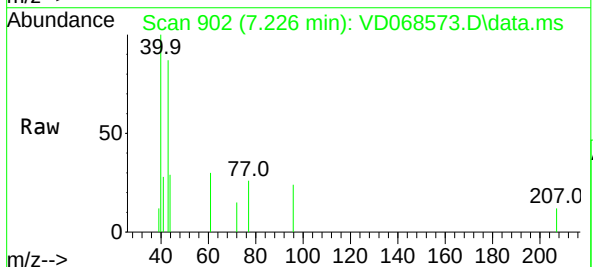
Instrument :
MSVOA_D
ClientSampled :

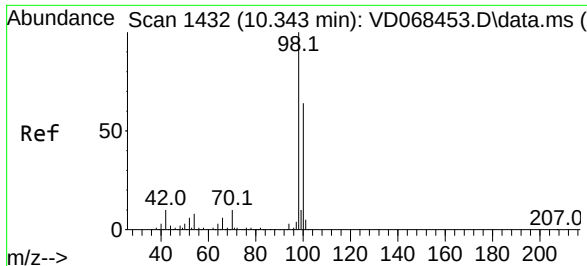
Tgt Ion:113 Resp: 183431
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 19.1 16.1 24.1



#37
Ethyl Acetate
Concen: 1.79 ug/l
RT: 7.226 min Scan# 902
Delta R.T. -0.071 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 43 Resp: 3339
Ion Ratio Lower Upper
43 100
61 23.4 12.9 19.3#
70 0.0 11.0 16.6#

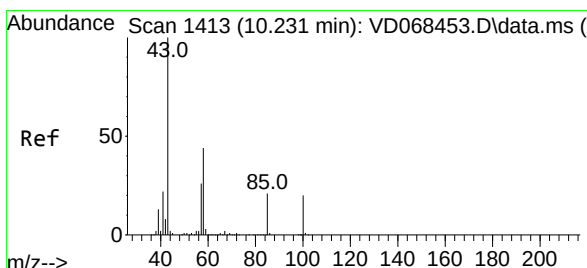
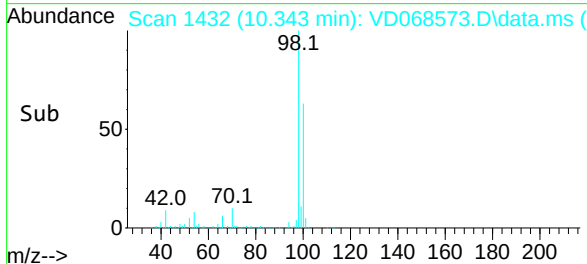
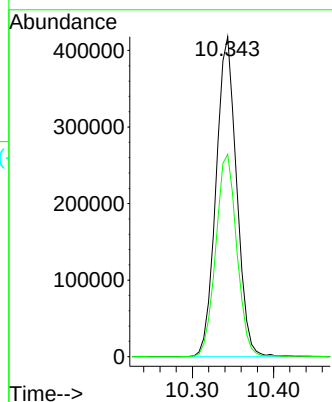
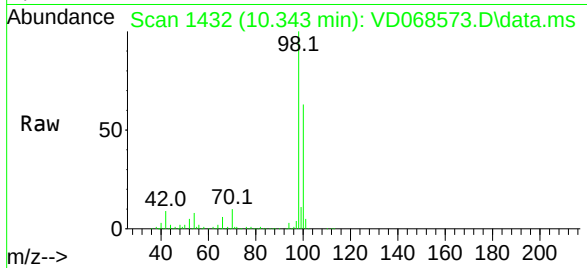




#50
Toluene-d8
Concen: 51.90 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

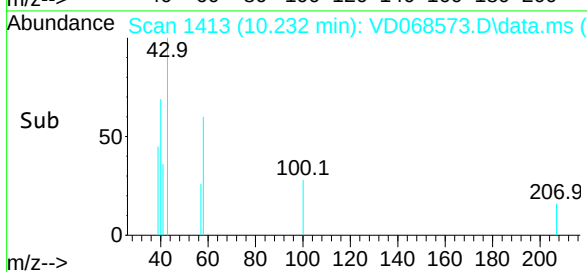
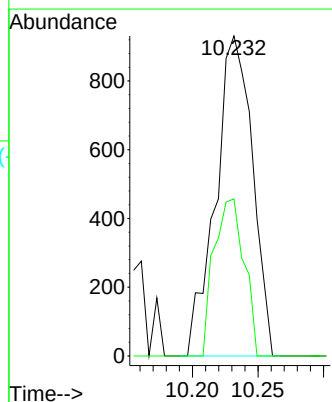
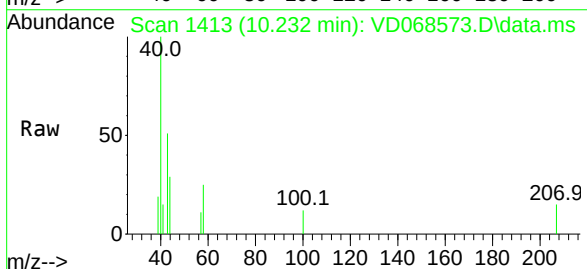
Instrument :
MSVOA_D
ClientSampled :

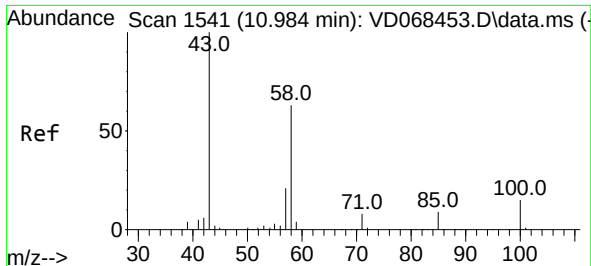
Tgt Ion: 98 Resp: 735116
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.02 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
58 40.0 36.1 54.1

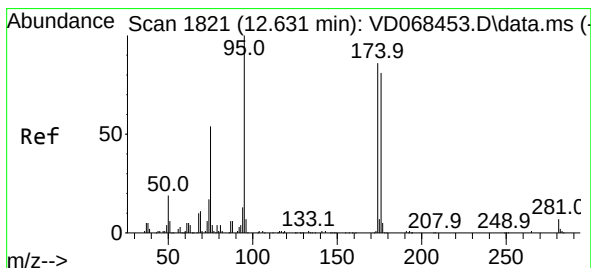
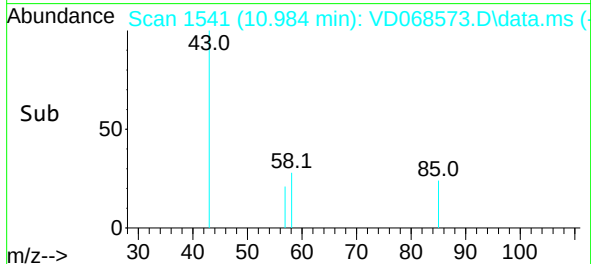
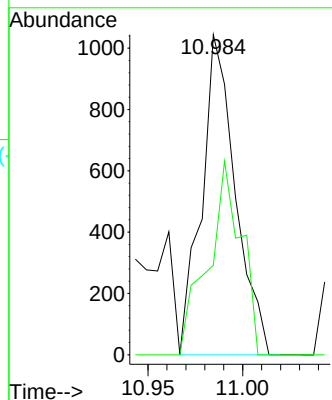
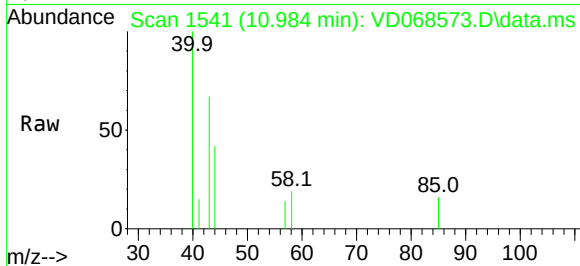




#59
2-Hexanone
Concen: 1.08 ug/l
RT: 10.984 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

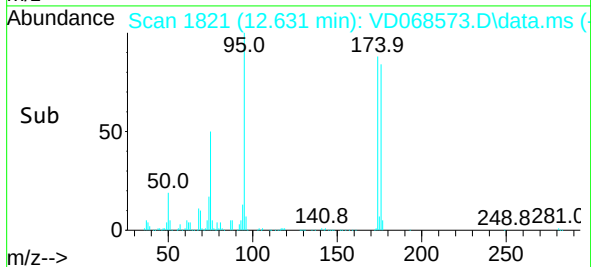
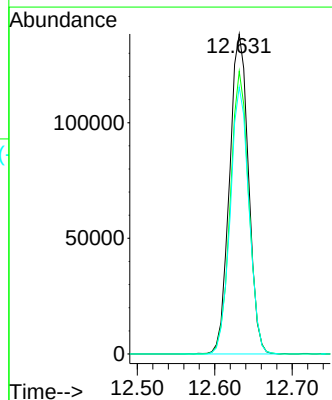
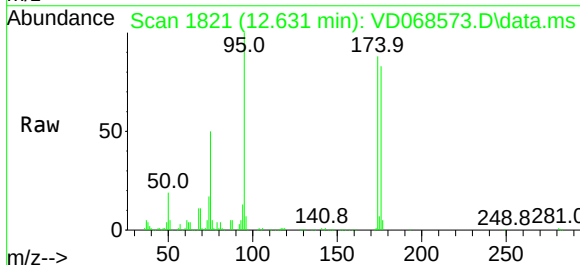
Instrument :
MSVOA_D
ClientSampled :

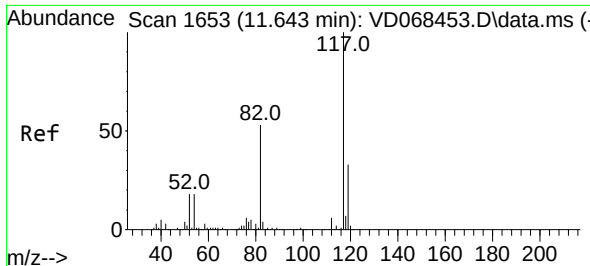
Tgt Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
58 59.5 31.0 93.0



#62
4-Bromofluorobenzene
Concen: 51.61 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 95 Resp: 235620
Ion Ratio Lower Upper
95 100
174 85.7 0.0 172.4
176 82.1 0.0 168.4

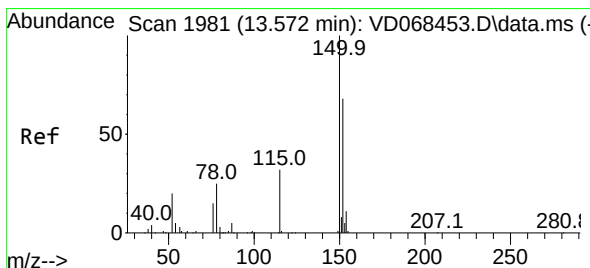
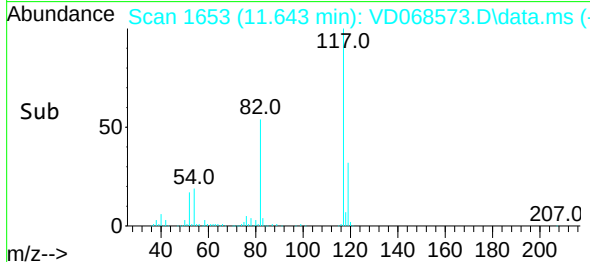
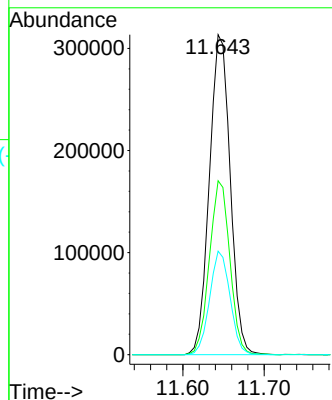
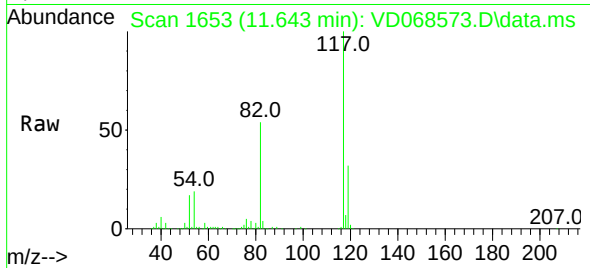




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

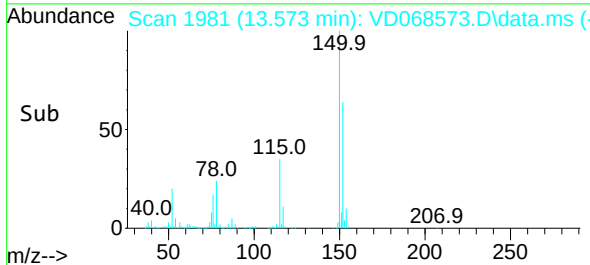
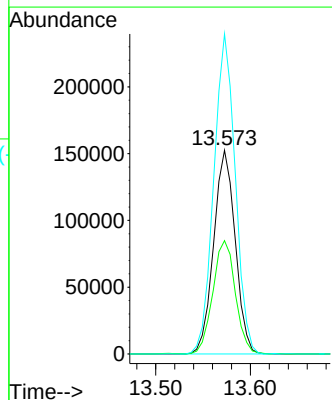
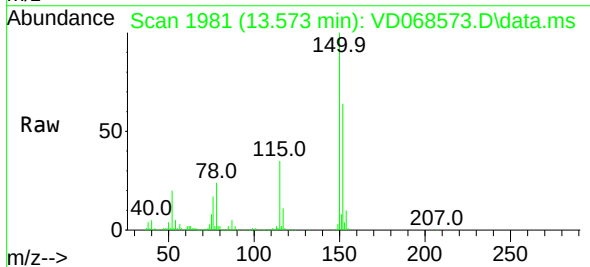
Instrument :
MSVOA_D
ClientSampled :

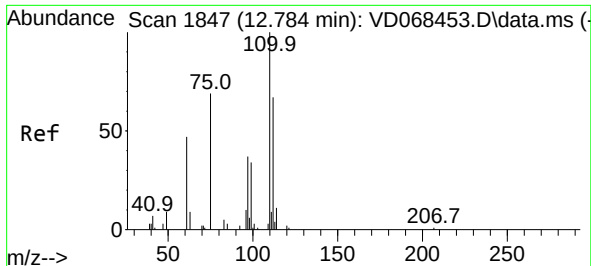
Tgt Ion:117 Resp: 558673
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.0
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion:152 Resp: 241469
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 156.2 0.0 344.4

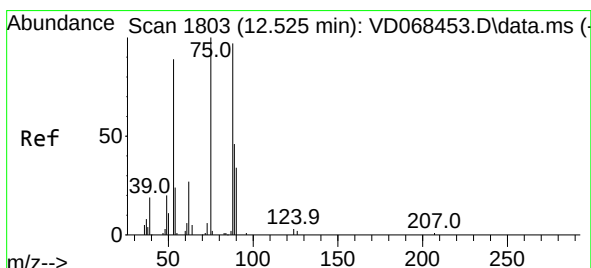
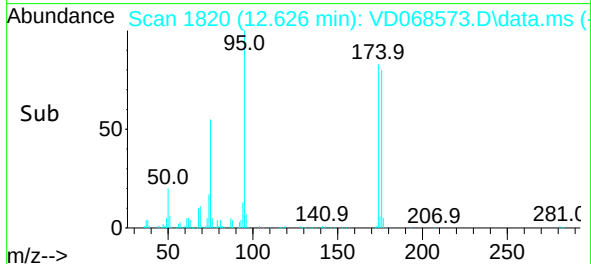
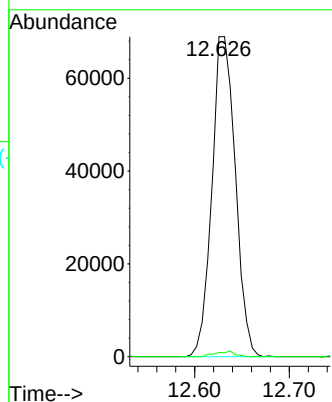
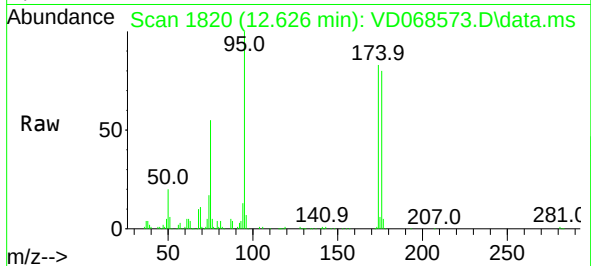




#76
1,2,3-Trichloropropane
Concen: 55.31 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.158 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 118561
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068573.D
Acq: 09 Mar 2021 12:19

Tgt Ion: 75 Resp: 118561
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

