

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070274.D
 Acq On : 31 Aug 2021 12:35
 Operator : VA/SY
 Sample : VD0831SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:57:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

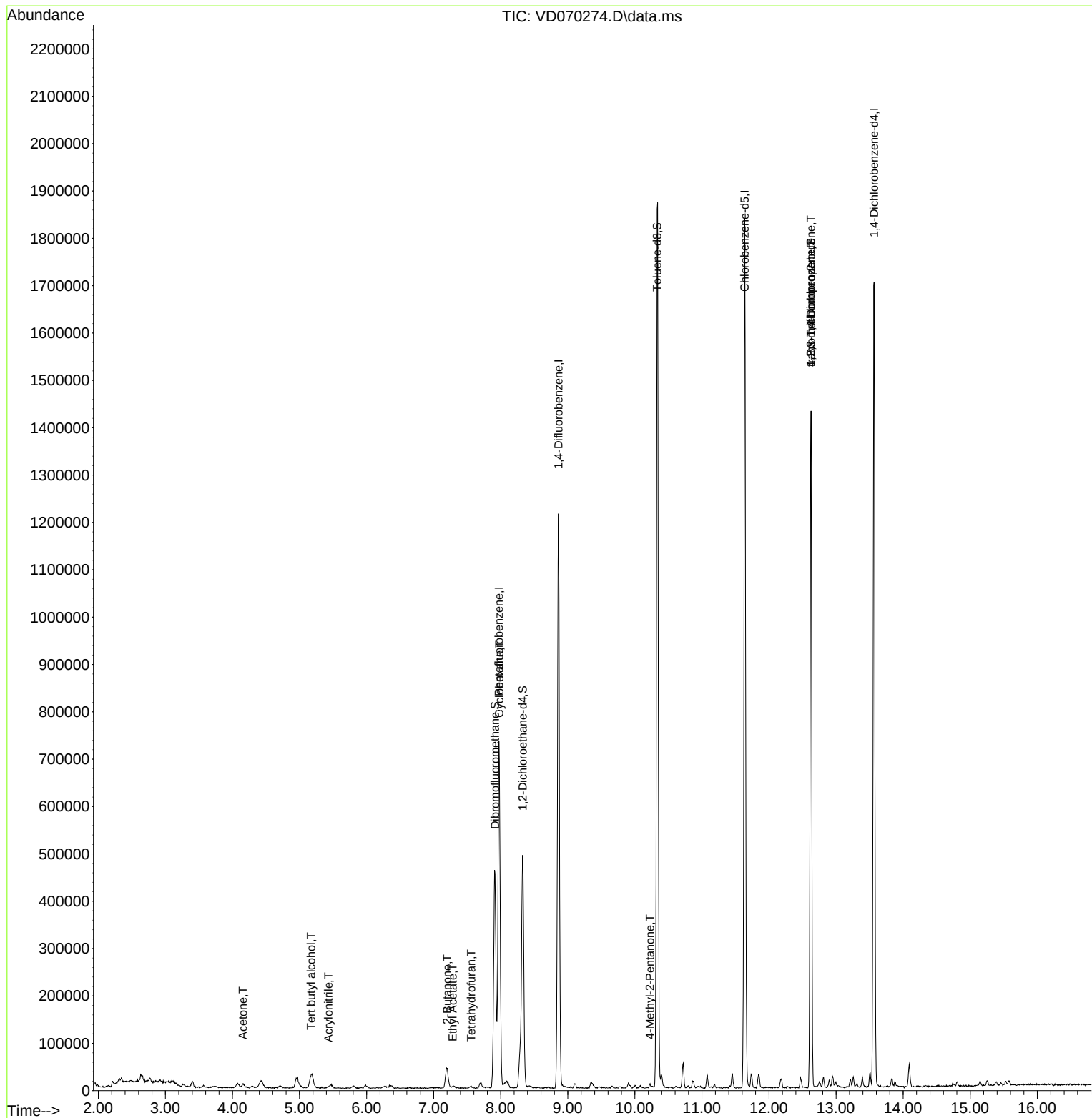
Internal Standards						
1) Pentafluorobenzene	7.973	168	494544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1018937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1019350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	451947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	375731	64.596	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.200%	
35) Dibromofluoromethane	7.914	113	341096	51.815	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.332	98	1292372	50.475	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.940%	
62) 4-Bromofluorobenzene	12.626	95	465851	55.239	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	3317	Below Cal		88
3) Chloromethane	2.209	50	6404	Below Cal	#	84
5) Bromomethane	2.768	94	9144	Below Cal	#	79
11) Tert butyl alcohol	5.173	59	29314	91.179	ug/l #	72
15) Acrylonitrile	5.432	53	1729	1.296	ug/l #	77
16) Acetone	4.156	43	15504	14.469	ug/l	99
20) Methylene Chloride	4.956	84	16246	Below Cal		93
25) 2-Butanone	7.203	43	4273	2.918	ug/l #	44
29) Tetrahydrofuran	7.562	42	1599	1.668	ug/l #	82
31) Cyclohexane	7.979	56	17846	1.550	ug/l #	15
37) Ethyl Acetate	7.285	43	6607	1.659	ug/l #	90
51) 4-Methyl-2-Pentanone	10.226	43	5284	1.367	ug/l	89
76) 1,2,3-Trichloropropane	12.626	75	232887	50.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	232887	131.888	ug/l #	18

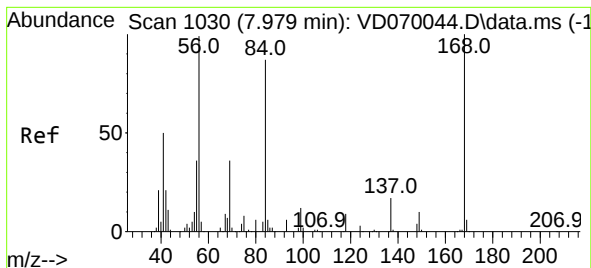
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

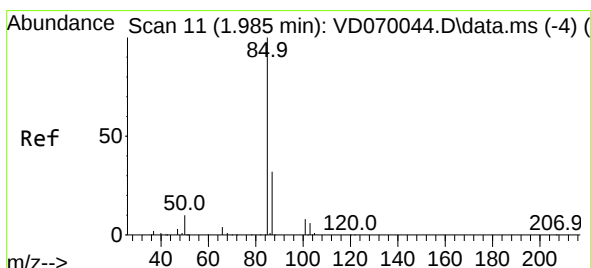
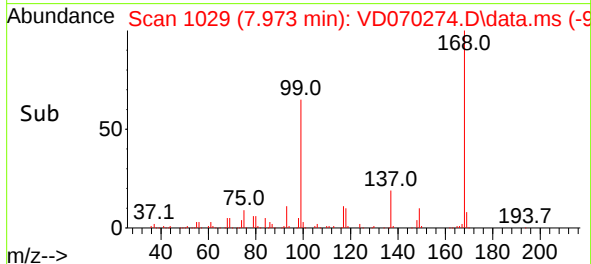
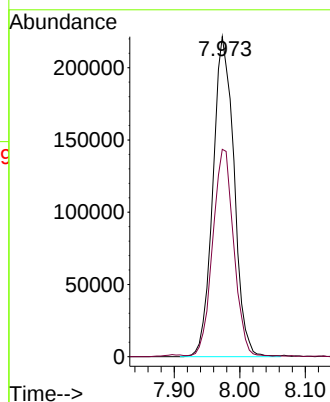
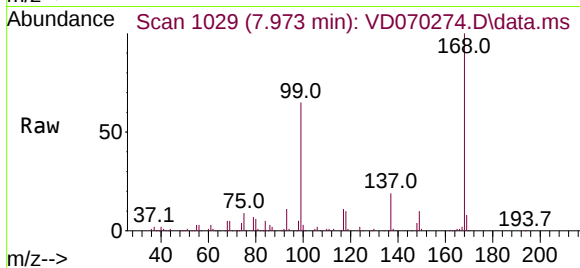
Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

Tgt Ion:168 Resp: 494544

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	64.5	50.3	75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

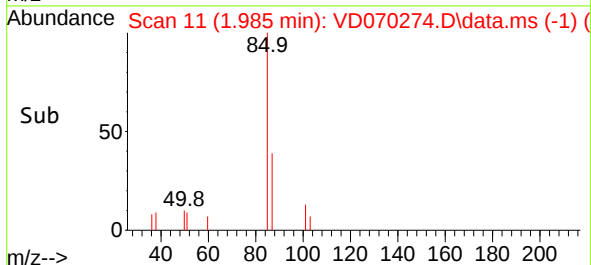
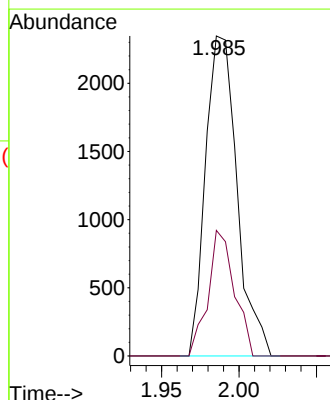
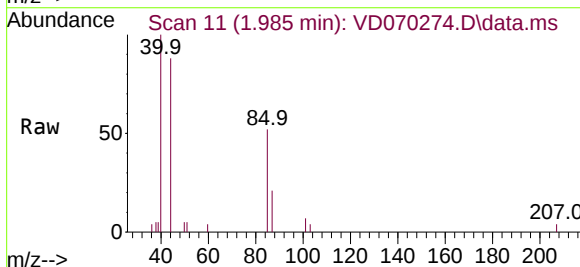
Lab File: VD070274.D

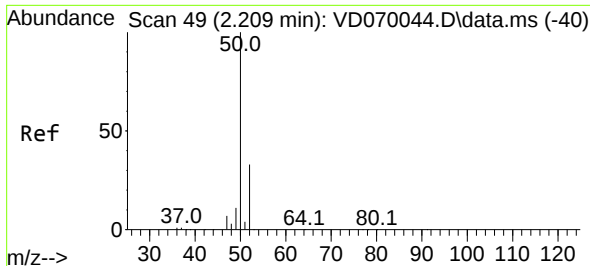
Acq: 31 Aug 2021 12:35

Tgt Ion: 85 Resp: 3317

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
85	100		
87	39.3	16.2	48.6

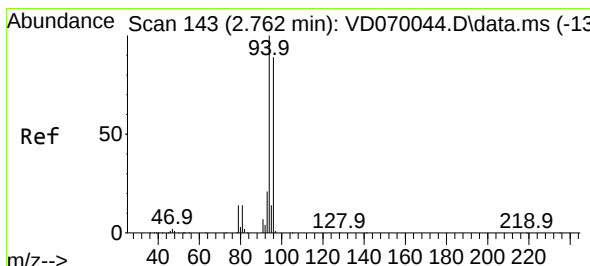
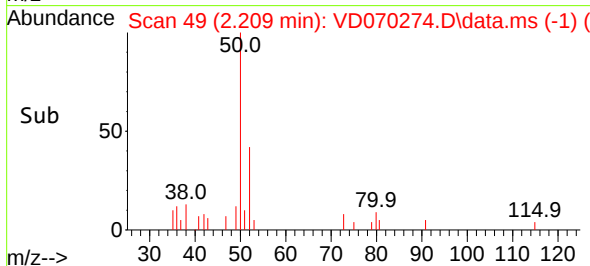
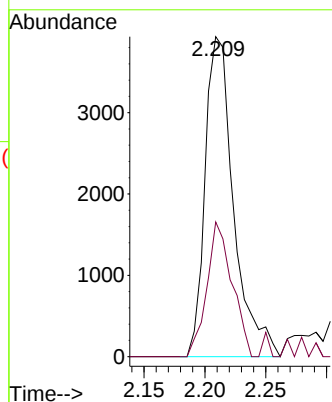
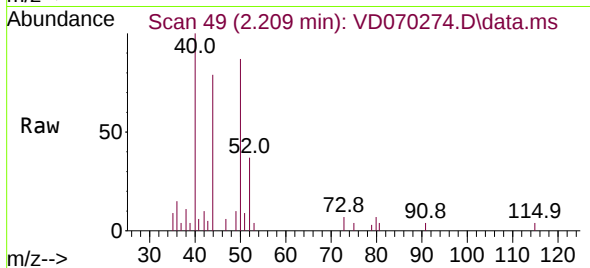




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

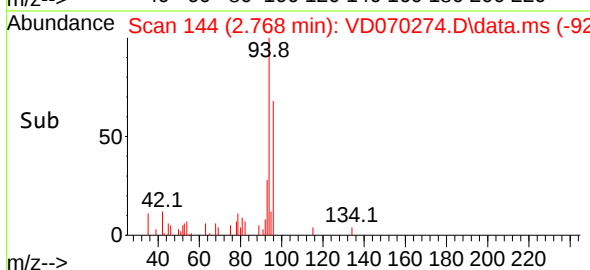
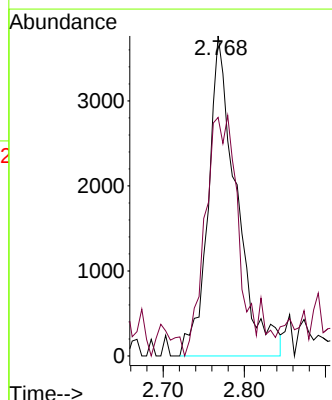
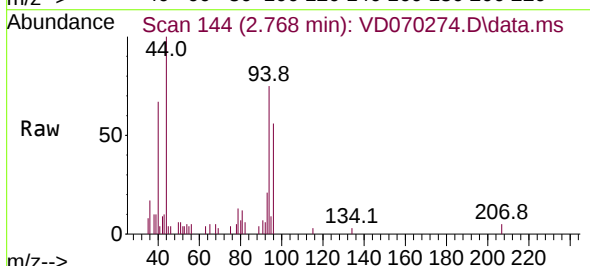
Instrument :
MSVOA_D
ClientSampleId :

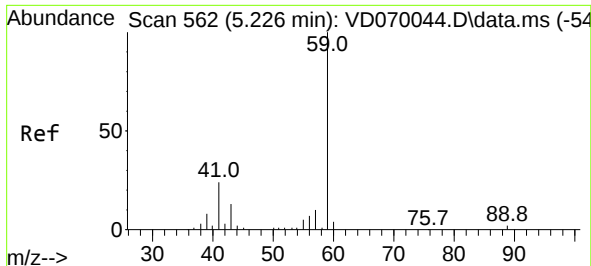
Tgt Ion: 50 Resp: 6404
Ion Ratio Lower Upper
50 100
52 42.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 94 Resp: 9144
Ion Ratio Lower Upper
94 100
96 68.6 70.9 106.3#





#11

Tert butyl alcohol

Concen: 91.179 ug/l

RT: 5.173 min Scan# 553

Delta R.T. -0.053 min

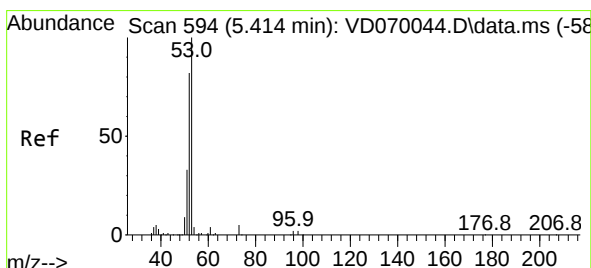
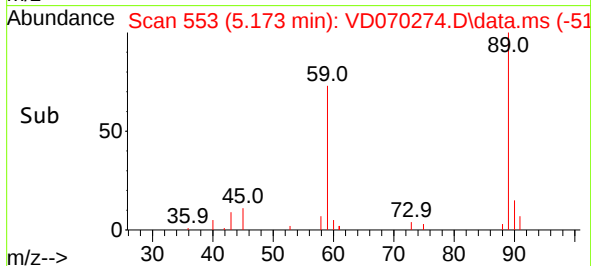
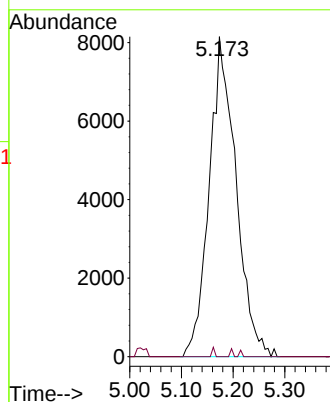
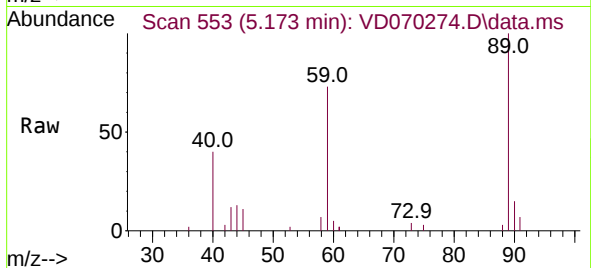
Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

Tgt Ion: 59 Resp: 29314

Ion Ratio Lower Upper

59 100
57 0.3 8.8 13.2#



#15

Acrylonitrile

Concen: 1.296 ug/l

RT: 5.432 min Scan# 597

Delta R.T. 0.018 min

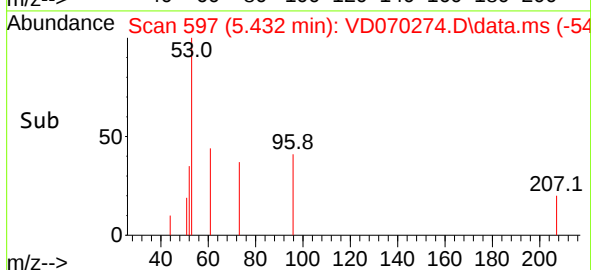
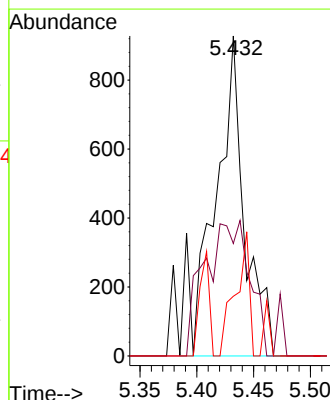
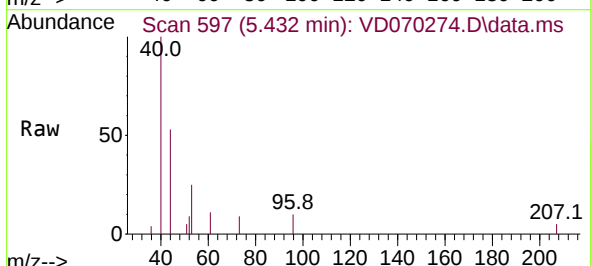
Lab File: VD070274.D

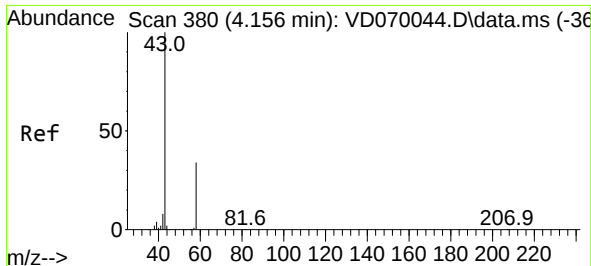
Acq: 31 Aug 2021 12:35

Tgt Ion: 53 Resp: 1729

Ion Ratio Lower Upper

53 100
52 62.8 64.5 96.7#
51 17.8 28.2 42.4#

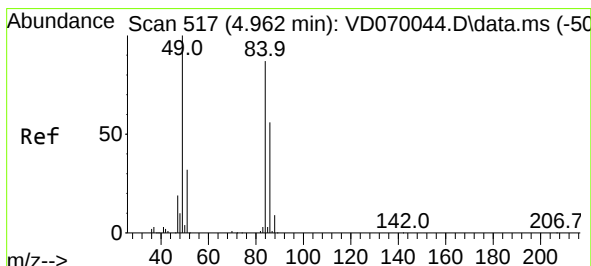
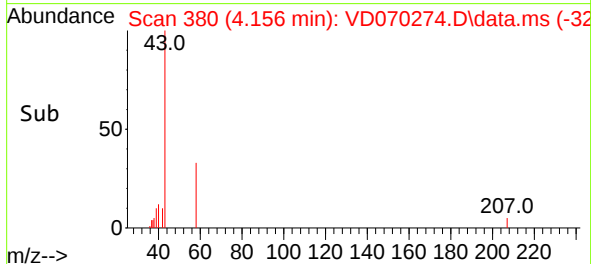
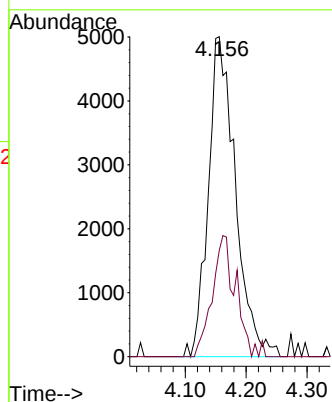
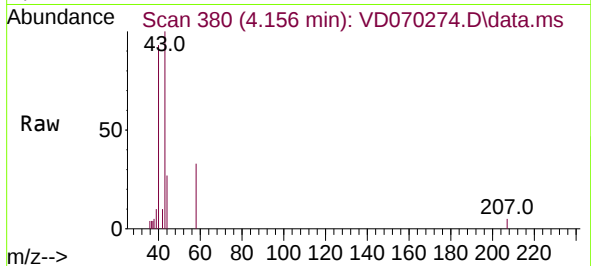




#16
Acetone
Concen: 14.469 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

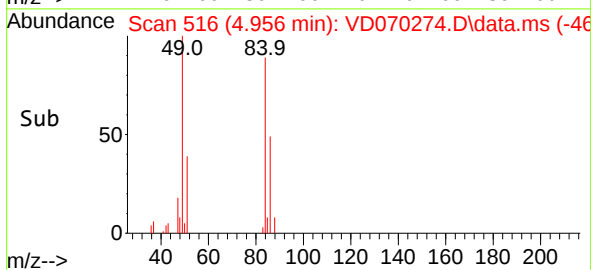
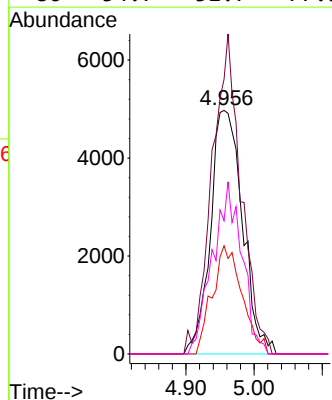
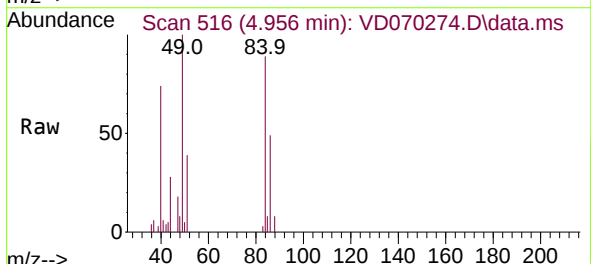
Instrument :
MSVOA_D
ClientSampleId :

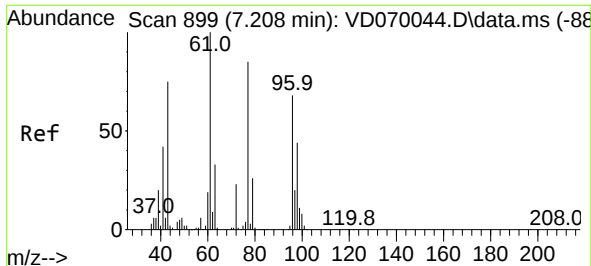
Tgt Ion: 43 Resp: 15504
Ion Ratio Lower Upper
43 100
58 33.2 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 84 Resp: 16246
Ion Ratio Lower Upper
84 100
49 112.7 92.5 138.7
51 44.4 29.7 44.5
86 54.7 51.7 77.5

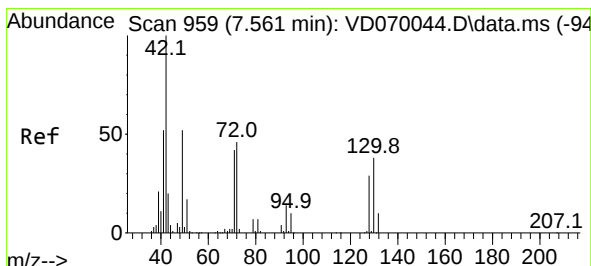
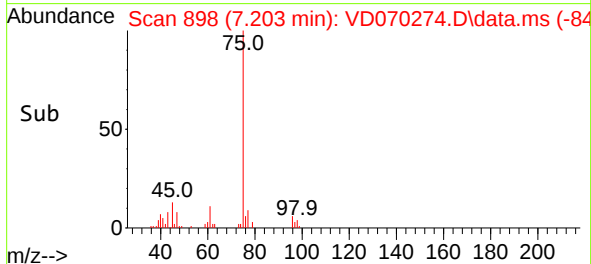
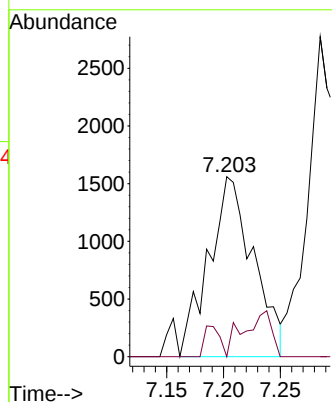
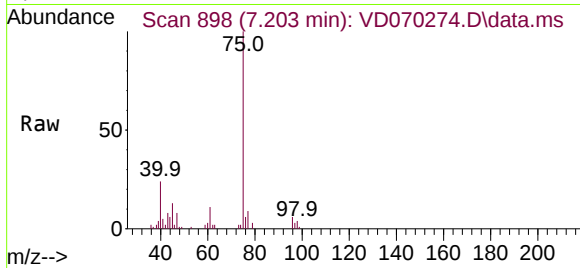




#25
2-Butanone
Concen: 2.918 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

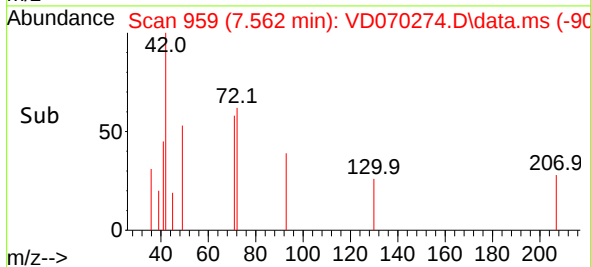
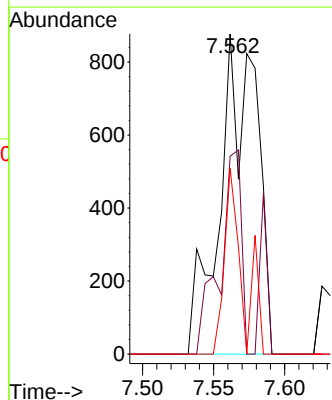
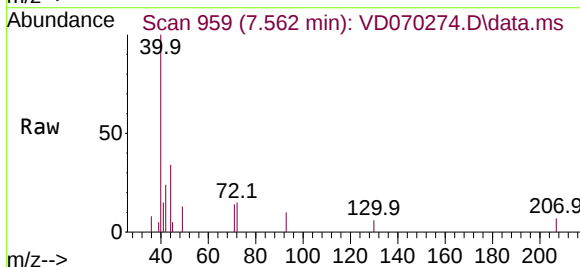
Instrument :
MSVOA_D
ClientSampleId :

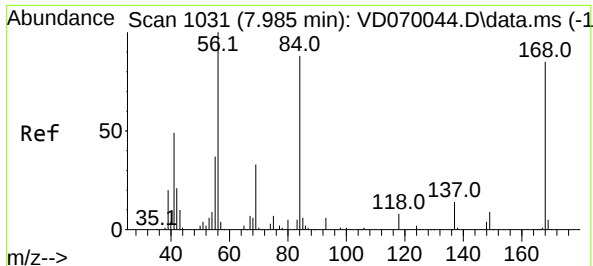
Tgt Ion: 43 Resp: 4273
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#29
Tetrahydrofuran
Concen: 1.668 ug/l
RT: 7.562 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 42 Resp: 1599
Ion Ratio Lower Upper
42 100
72 36.8 37.5 56.3#
71 28.3 33.6 50.4#

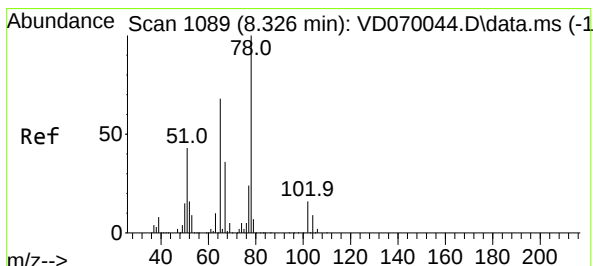
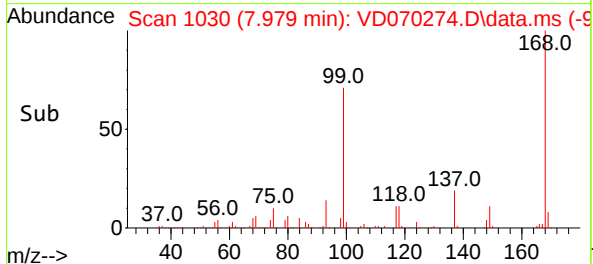
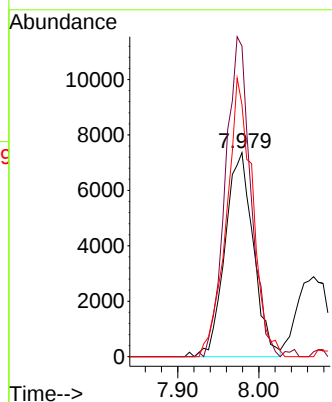
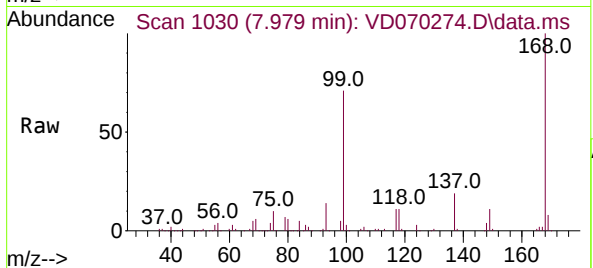




#31
Cyclohexane
Concen: 1.550 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

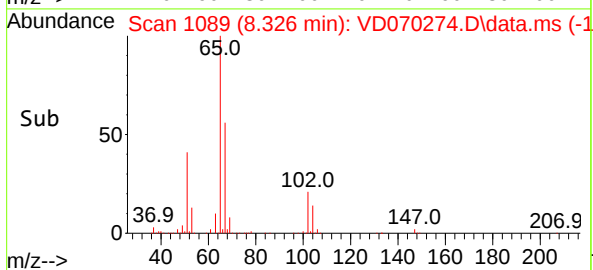
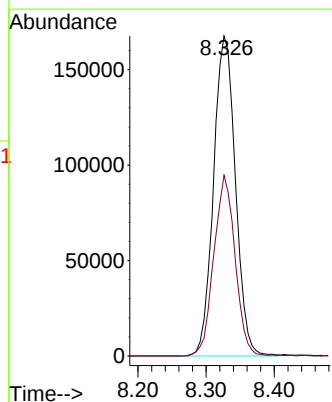
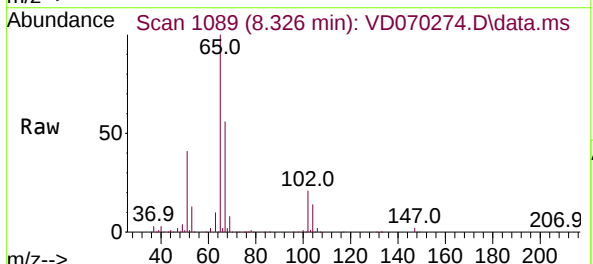
Instrument :
MSVOA_D
ClientSampled :

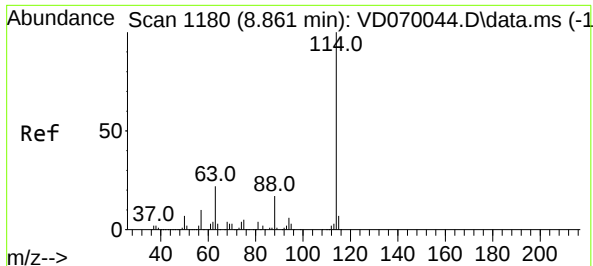
Tgt Ion: 56 Resp: 17846
Ion Ratio Lower Upper
56 100
69 152.2 26.7 40.1#
84 123.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 64.596 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 65 Resp: 375731
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

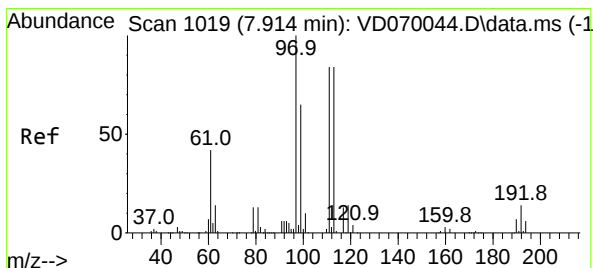
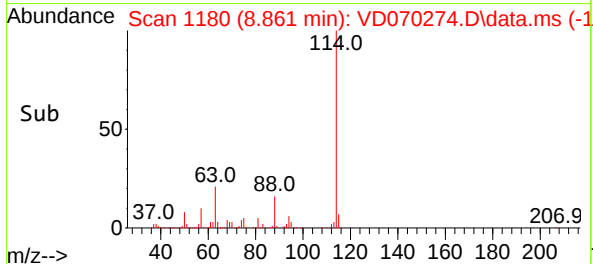
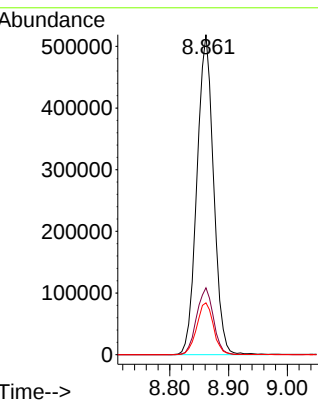
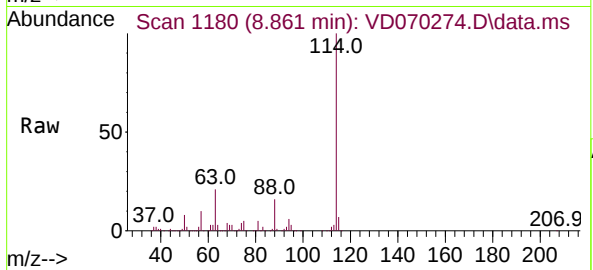
Tgt Ion:114 Resp: 1018937

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.6

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.815 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

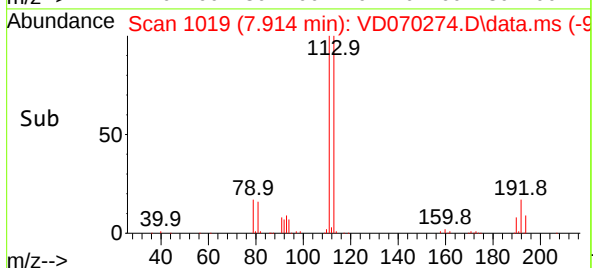
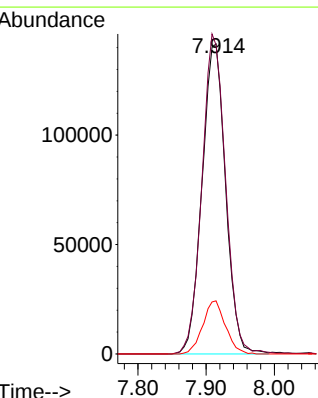
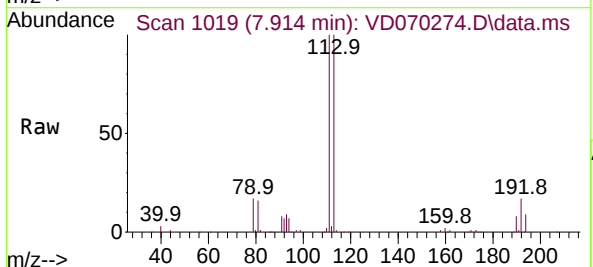
Tgt Ion:113 Resp: 341096

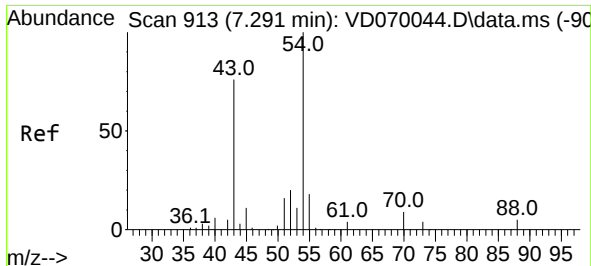
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

192 16.5 13.2 19.8





#37

Ethyl Acetate

Concen: 1.659 ug/l

RT: 7.285 min Scan# 912

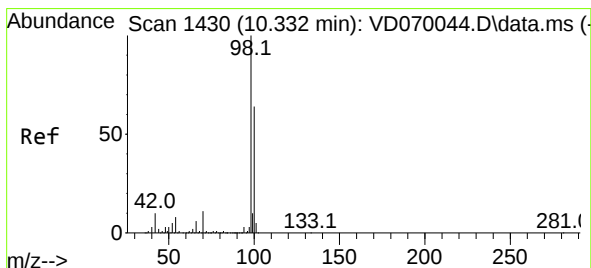
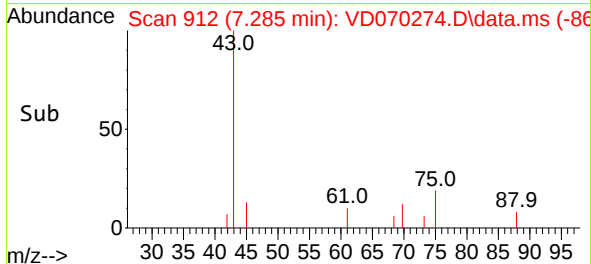
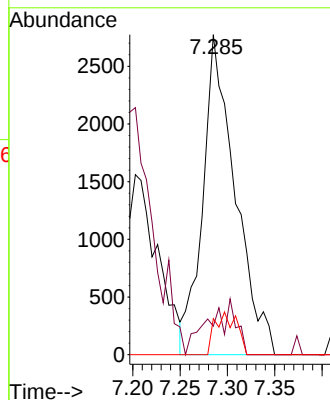
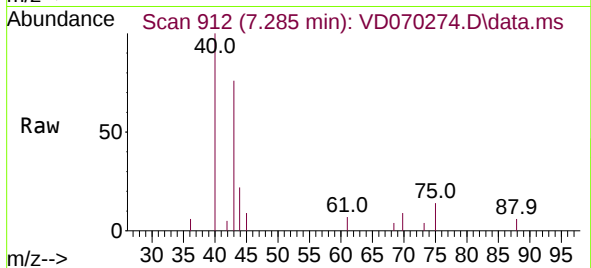
Delta R.T. -0.006 min

Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43	Resp: 6607
Ion Ratio	Lower Upper
43 100	
61 9.5	11.8 17.6#
70 9.0	9.0 13.6#



#50

Toluene-d8

Concen: 50.475 ug/l

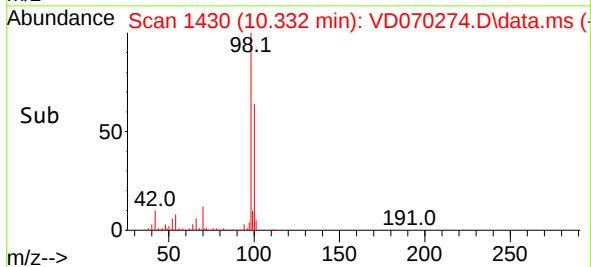
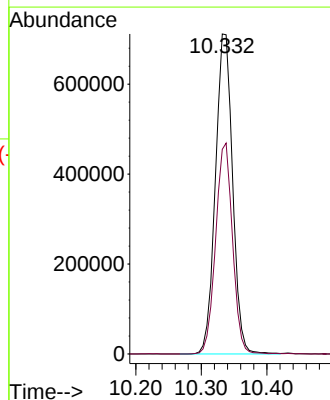
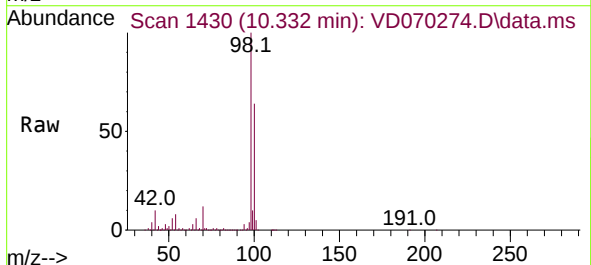
RT: 10.332 min Scan# 1430

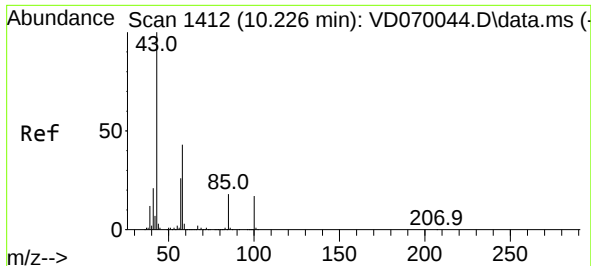
Delta R.T. 0.000 min

Lab File: VD070274.D

Acq: 31 Aug 2021 12:35

Tgt Ion: 98	Resp: 1292372
Ion Ratio	Lower Upper
98 100	
100 64.7	52.6 78.8

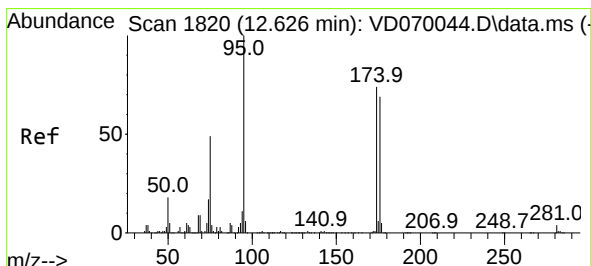
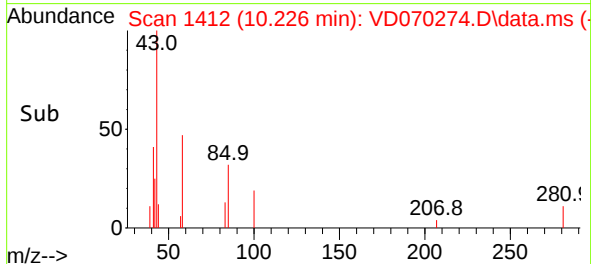
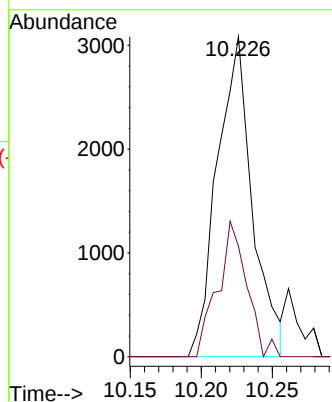
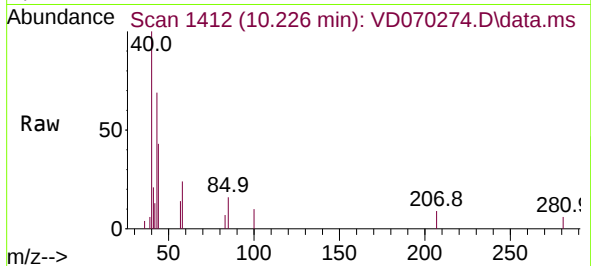




#51
4-Methyl-2-Pentanone
Concen: 1.367 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

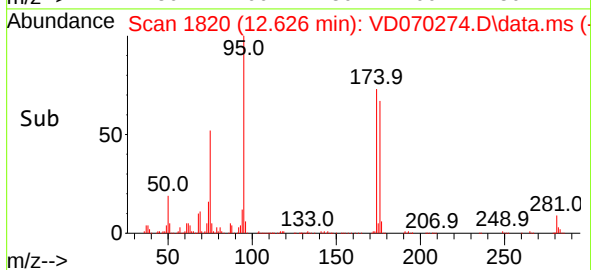
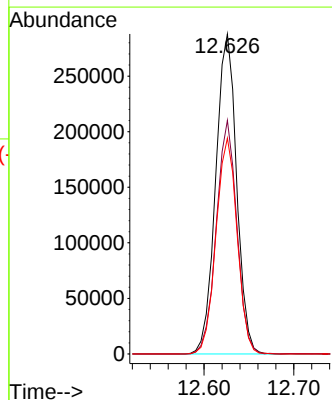
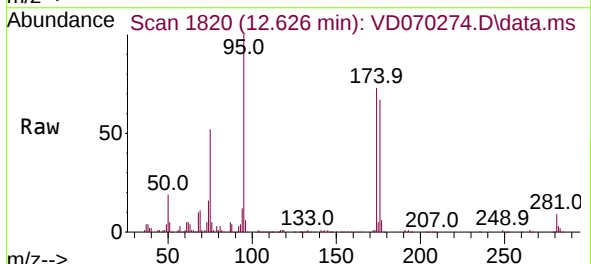
Instrument :
MSVOA_D
ClientSampled :

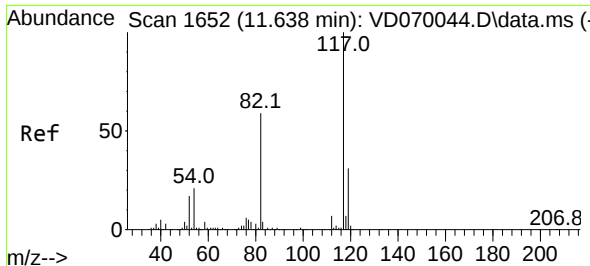
Tgt Ion: 43 Resp: 5284
Ion Ratio Lower Upper
43 100
58 35.3 33.9 50.9



#62
4-Bromofluorobenzene
Concen: 55.239 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 95 Resp: 465851
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 68.0 0.0 138.2

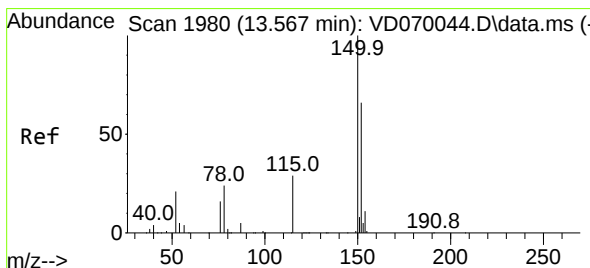
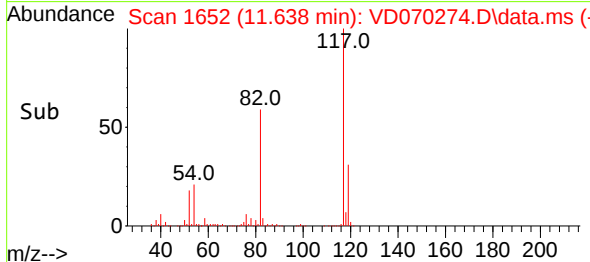
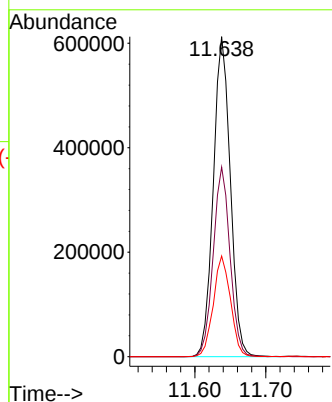
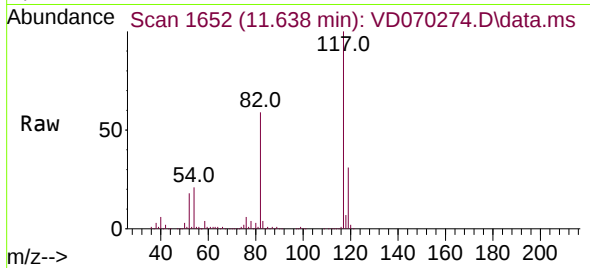




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

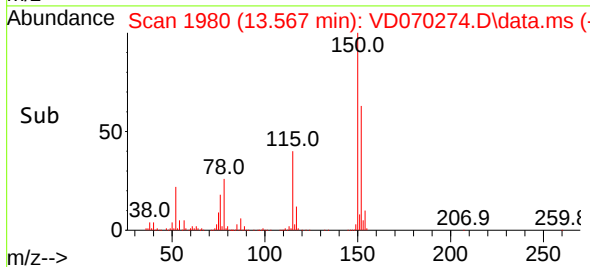
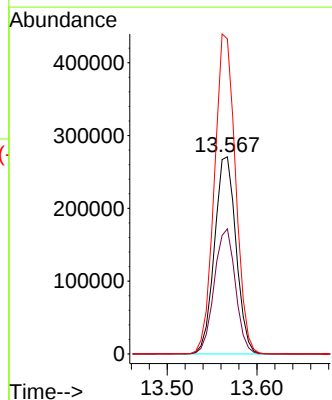
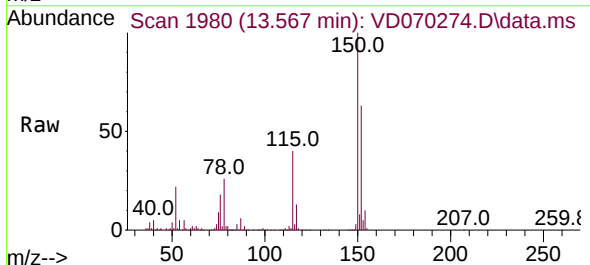
Instrument :
MSVOA_D
ClientSampleId :

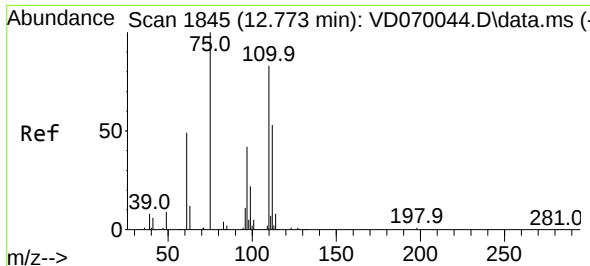
Tgt Ion:117 Resp: 1019350
Ion Ratio Lower Upper
117 100
82 59.3 47.5 71.3
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion:152 Resp: 451947
Ion Ratio Lower Upper
152 100
115 62.4 31.2 93.6
150 159.5 0.0 352.0

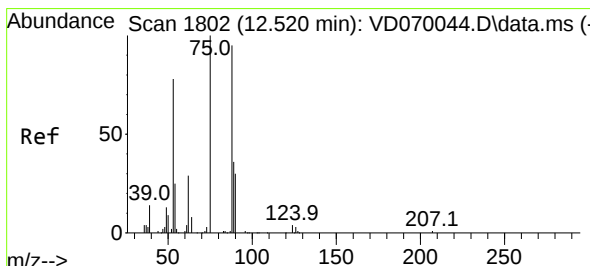
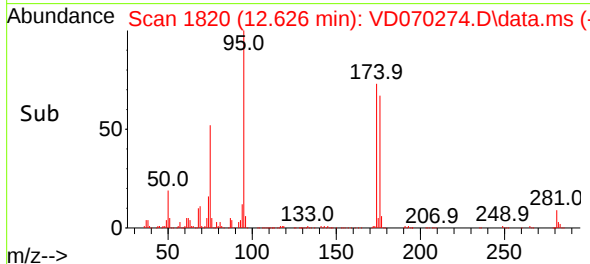
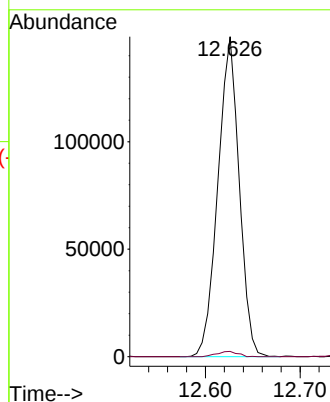
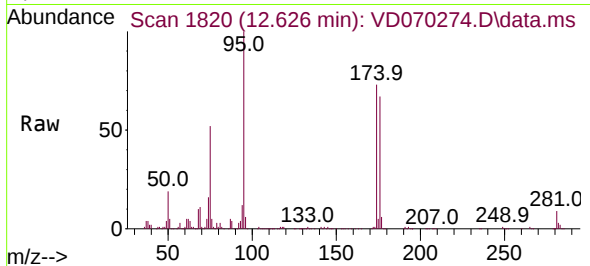




#76
1,2,3-Trichloropropane
Concen: 50.811 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 232887
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.888 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070274.D
Acq: 31 Aug 2021 12:35

Tgt Ion: 75 Resp: 232887
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.1 33.7 50.5#

