

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070277.D
 Acq On : 31 Aug 2021 14:02
 Operator : VA/SY
 Sample : M3605-01
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:58:24 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)

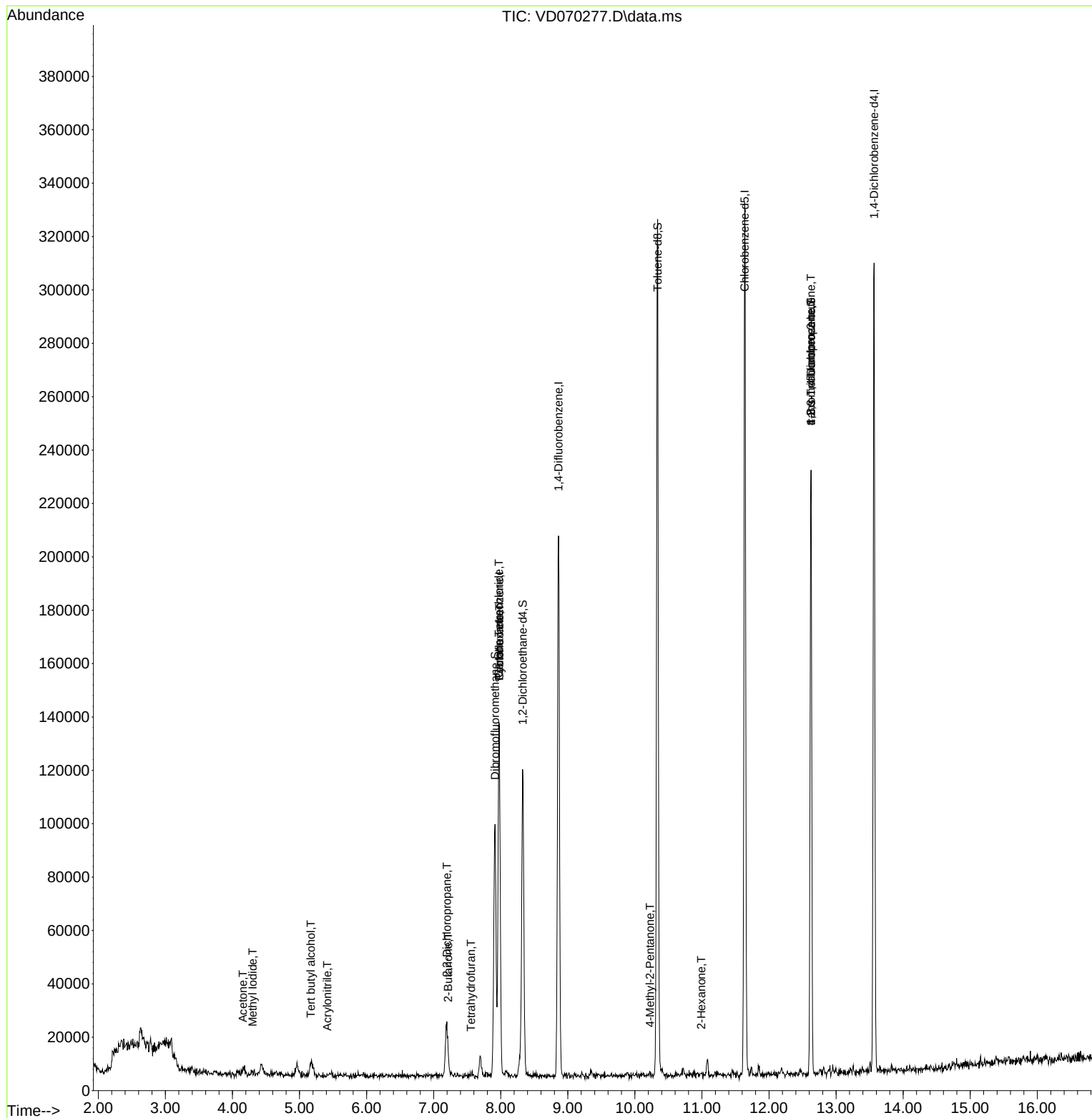
Internal Standards						
1) Pentafluorobenzene	7.979	168	92400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	174130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	192285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	82600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	88530	81.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.920%	
35) Dibromofluoromethane	7.914	113	70004	62.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.460%	
50) Toluene-d8	10.338	98	223236	51.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	12.626	95	80114	55.588	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	602	Below Cal		90
3) Chloromethane	2.209	50	2322	Below Cal		93
5) Bromomethane	2.779	94	3463	Below Cal	#	63
10) Methyl Iodide	4.303	142	2196	2.010	ug/l #	62
11) Tert butyl alcohol	5.168	59	5209	86.717	ug/l #	71
15) Acrylonitrile	5.415	53	326	1.308	ug/l #	36
16) Acetone	4.156	43	4529	22.622	ug/l	95
20) Methylene Chloride	4.962	84	3503	Below Cal	#	88
25) 2-Butanone	7.214	43	993	3.630	ug/l #	44
26) 2,2-Dichloropropane	7.197	77	2013	1.097	ug/l #	52
29) Tetrahydrofuran	7.556	42	183	1.022	ug/l #	72
31) Cyclohexane	7.979	56	2753	1.280	ug/l #	1
38) Carbon Tetrachloride	7.973	117	9889	5.815	ug/l #	18
51) 4-Methyl-2-Pentanone	10.226	43	1041	1.576	ug/l #	73
59) 2-Hexanone	10.991	43	751	1.698	ug/l #	53
76) 1,2,3-Trichloropropane	12.626	75	39896	47.627	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	39896	123.622	ug/l #	18

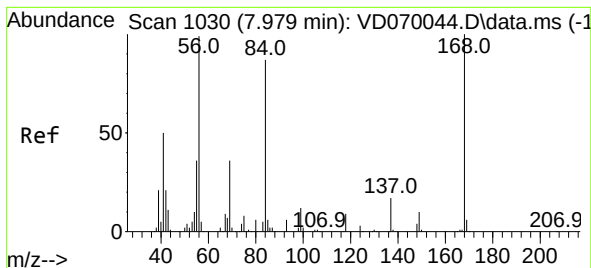
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070277.D

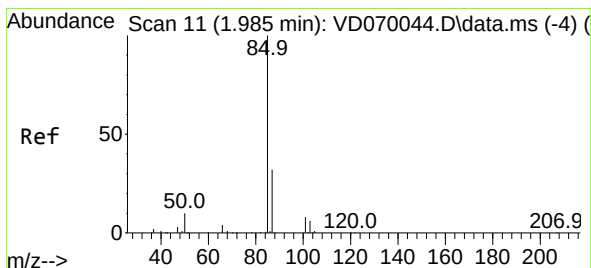
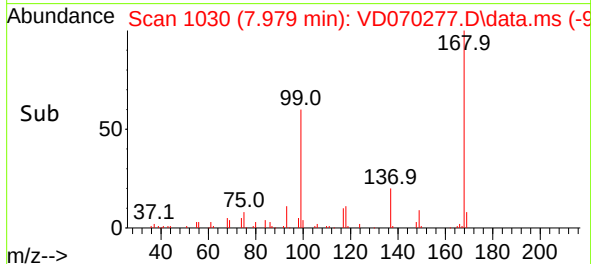
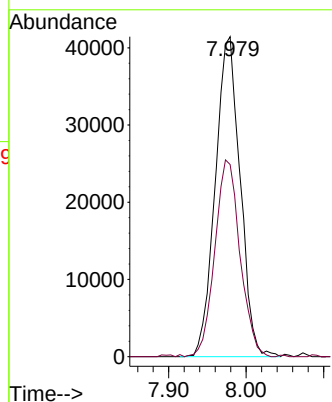
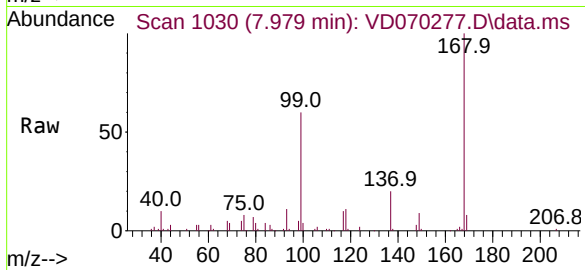
Acq: 31 Aug 2021 14:02

Tgt Ion:168 Resp: 92400

Ion Ratio Lower Upper

168 100

99 59.6 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070277.D

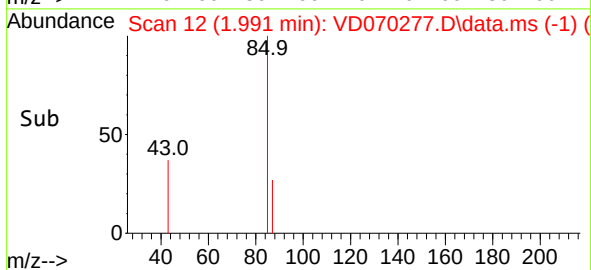
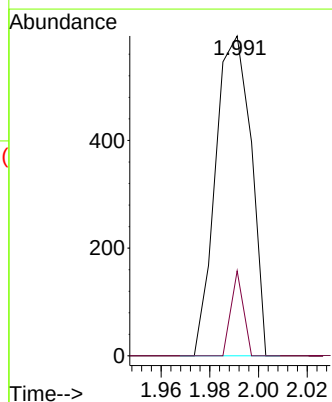
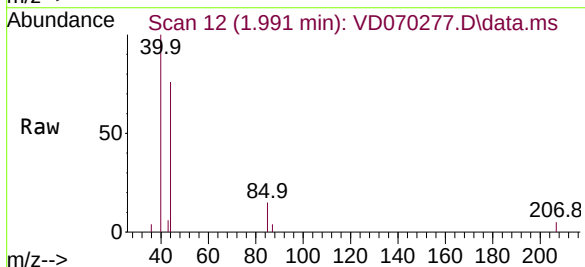
Acq: 31 Aug 2021 14:02

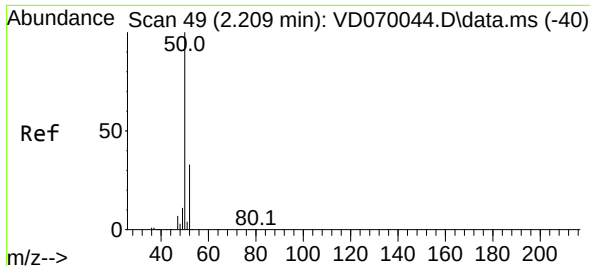
Tgt Ion: 85 Resp: 602

Ion Ratio Lower Upper

85 100

87 26.6 16.2 48.6

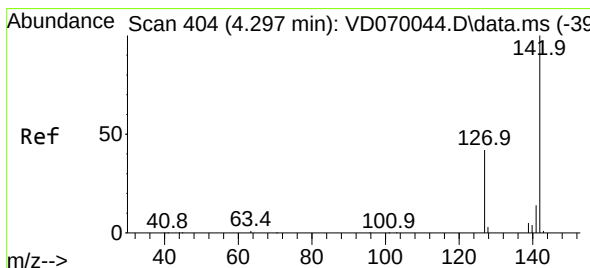
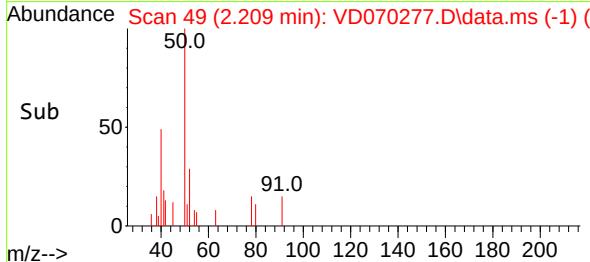
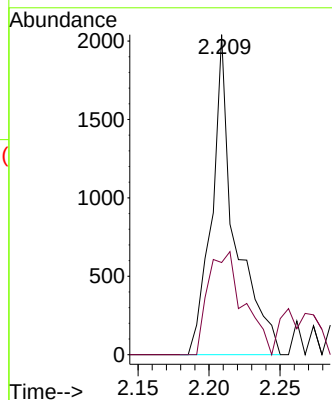
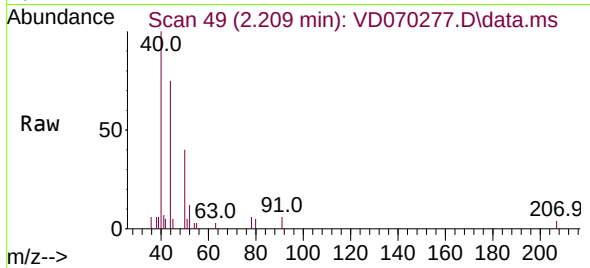




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

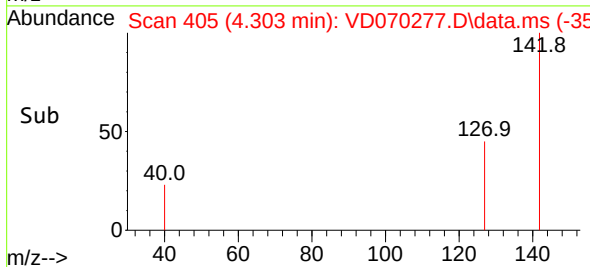
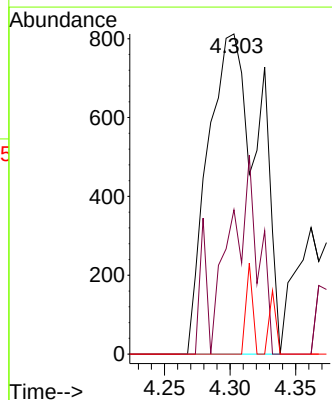
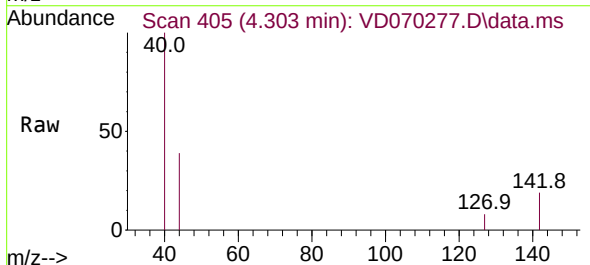
Instrument :
MSVOA_D
ClientSampleId :

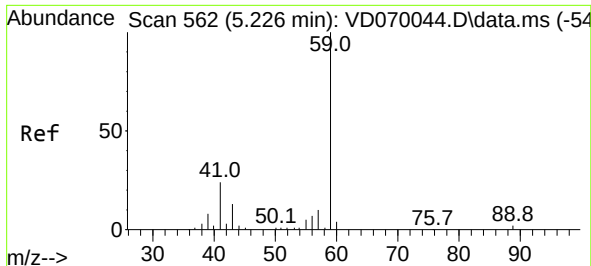
Tgt Ion: 50 Resp: 2322
Ion Ratio Lower Upper
50 100
52 28.8 26.3 39.5



#10
Methyl Iodide
Concen: 2.010 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 142 Resp: 2196
Ion Ratio Lower Upper
142 100
127 17.5 35.4 53.0#
141 3.7 12.1 18.1#





#11

Tert butyl alcohol

Concen: 86.717 ug/l

RT: 5.168 min Scan# 552

Delta R.T. -0.059 min

Lab File: VD070277.D

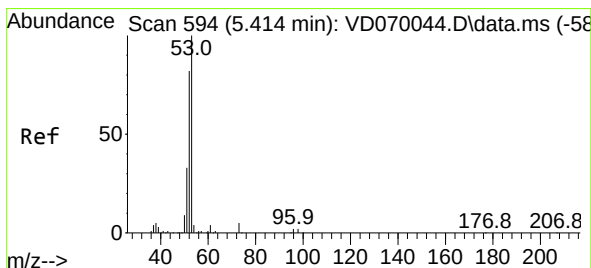
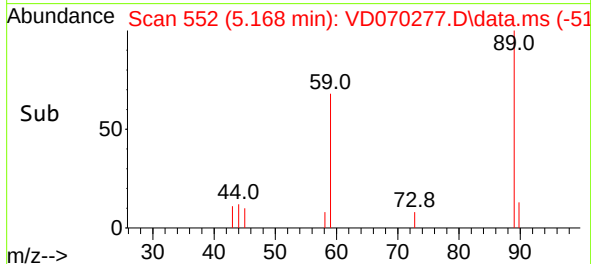
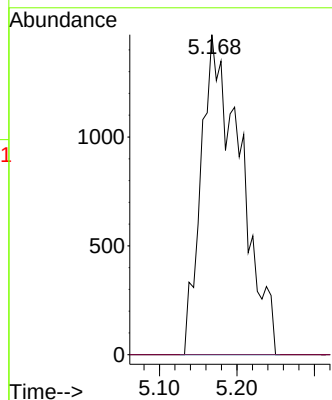
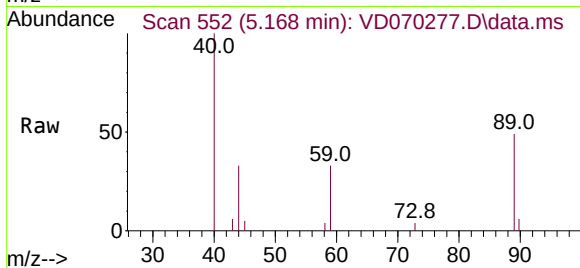
Acq: 31 Aug 2021 14:02

Tgt Ion: 59 Resp: 5209

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#15

Acrylonitrile

Concen: 1.308 ug/l

RT: 5.415 min Scan# 594

Delta R.T. 0.000 min

Lab File: VD070277.D

Acq: 31 Aug 2021 14:02

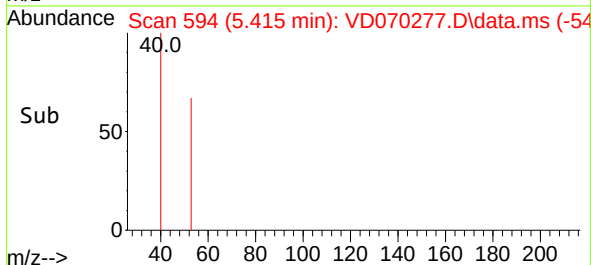
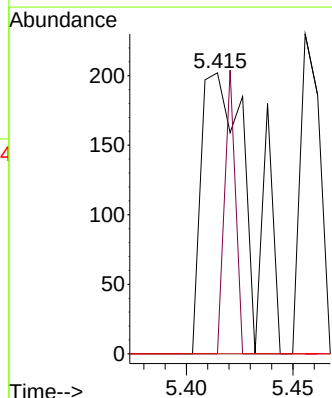
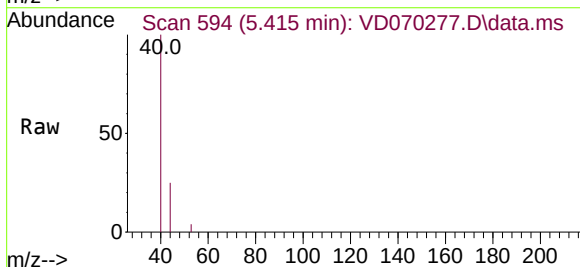
Tgt Ion: 53 Resp: 326

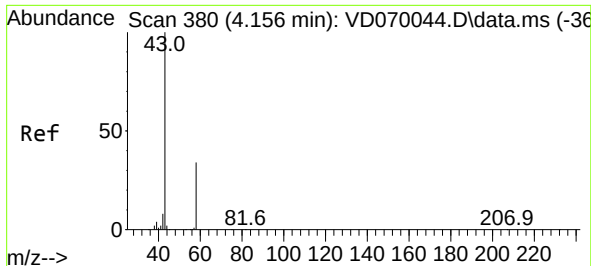
Ion Ratio Lower Upper

53 100

52 22.1 64.5 96.7#

51 0.0 28.2 42.4#

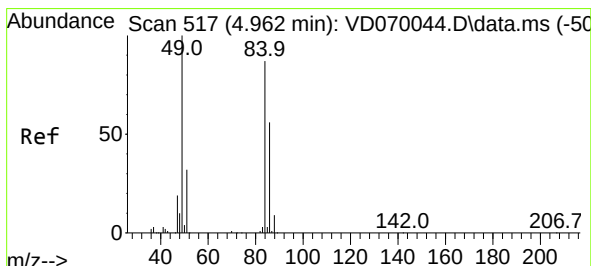
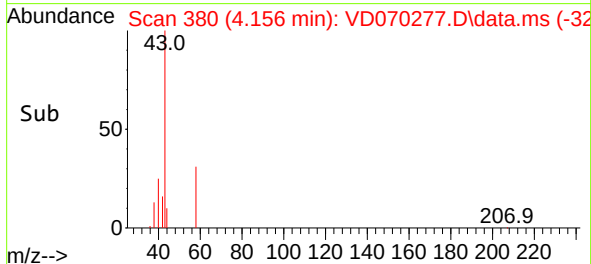
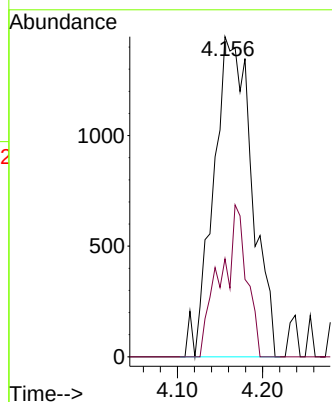
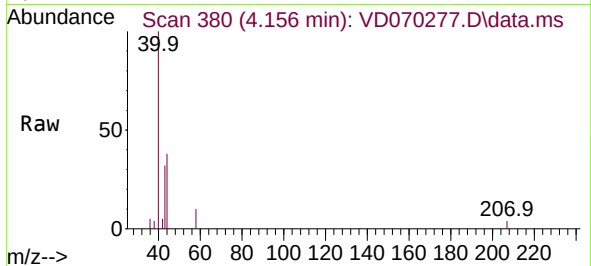




#16
Acetone
Concen: 22.622 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

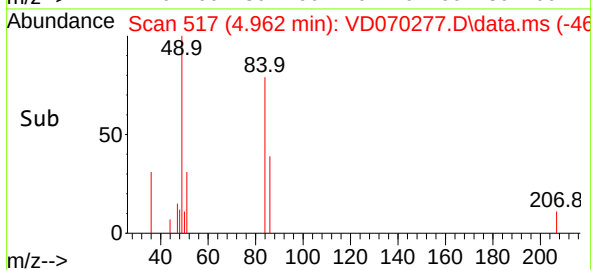
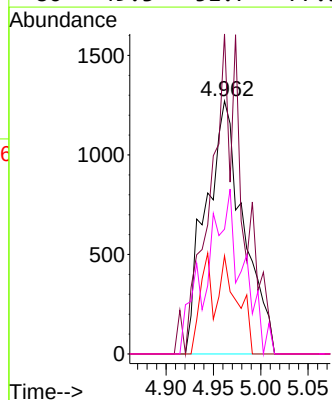
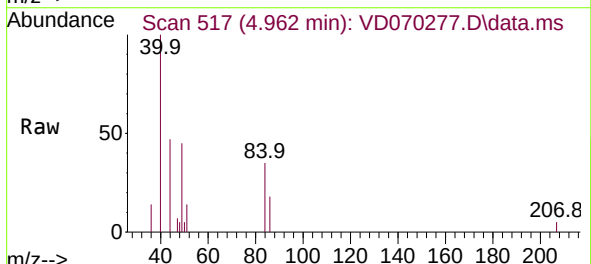
Instrument :
MSVOA_D
ClientSampled :

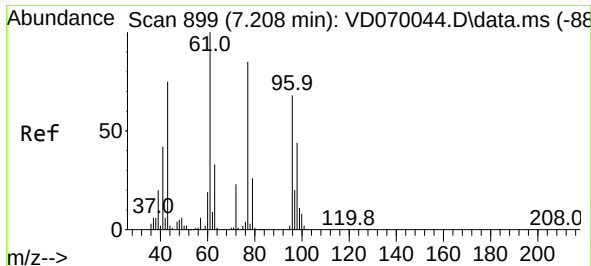
Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 30.6 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 84 Resp: 3503
Ion Ratio Lower Upper
84 100
49 126.5 92.5 138.7
51 38.8 29.7 44.5
86 49.3 51.7 77.5#

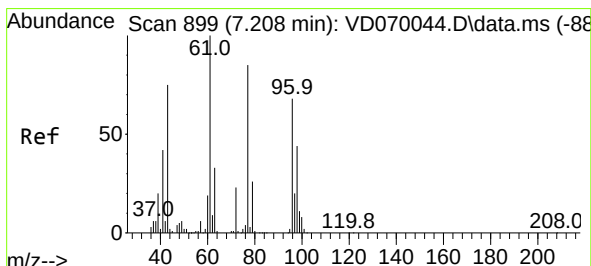
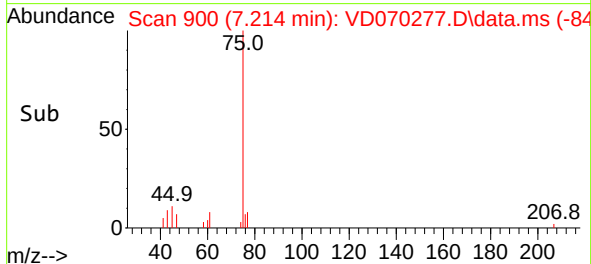
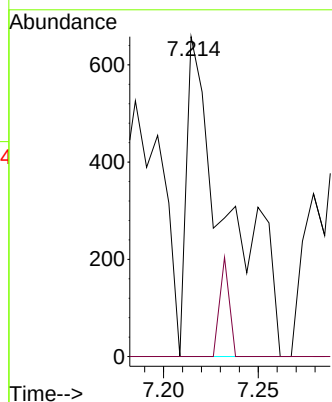
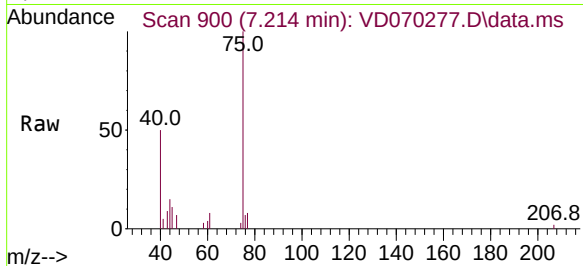




#25
2-Butanone
Concen: 3.630 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

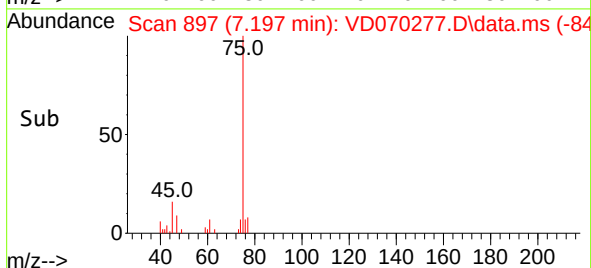
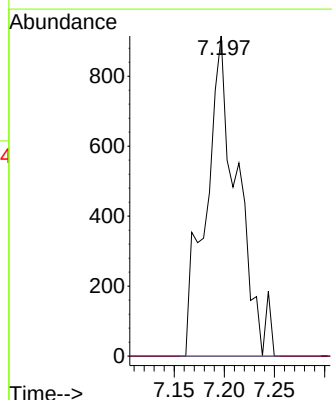
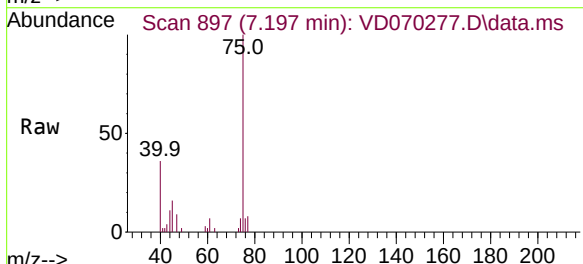
Instrument :
MSVOA_D
ClientSampled :

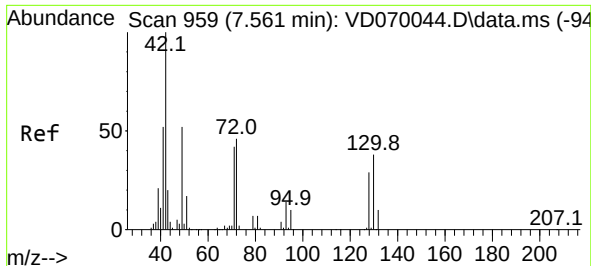
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#26
2,2-Dichloropropane
Concen: 1.097 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 77 Resp: 2013
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#





#29

Tetrahydrofuran

Concen: 1.022 ug/l

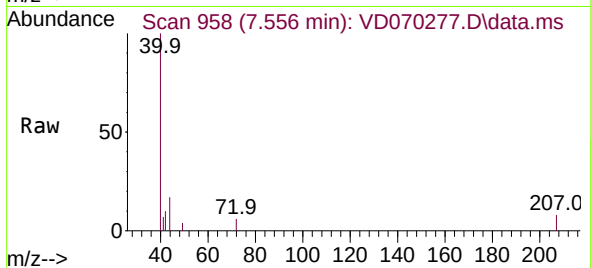
RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

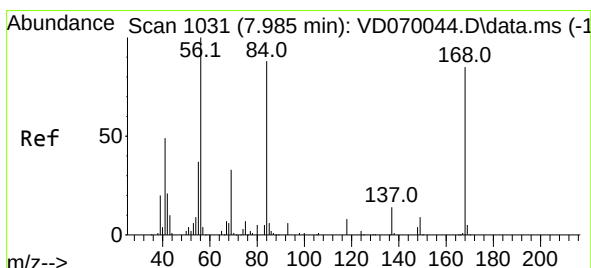
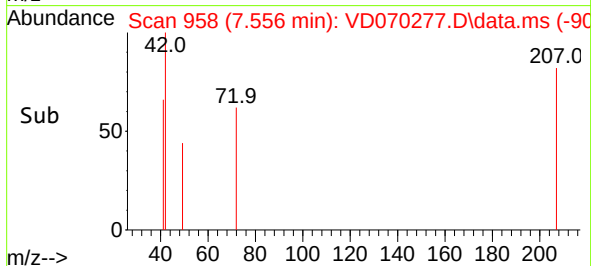
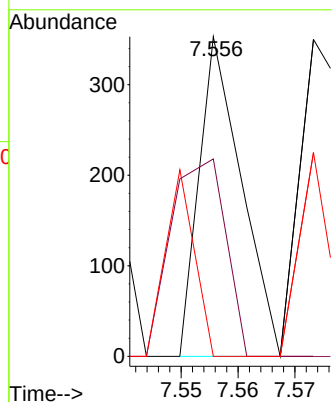
Lab File: VD070277.D

Acq: 31 Aug 2021 14:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	42	Resp:	183
Ion	Ratio	Lower	Upper
42	100		
72	79.8	37.5	56.3#
71	39.9	33.6	50.4



#31

Cyclohexane

Concen: 1.280 ug/l

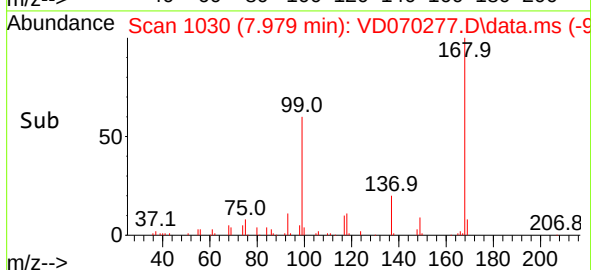
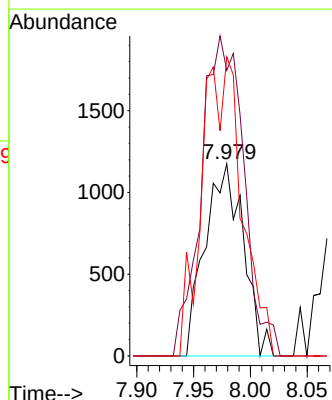
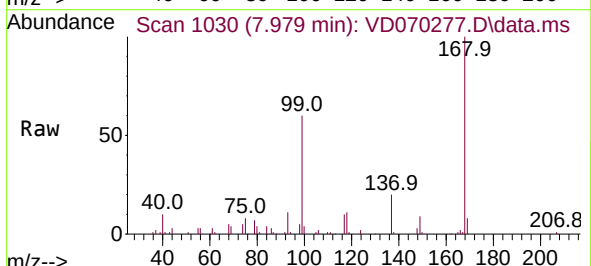
RT: 7.979 min Scan# 1030

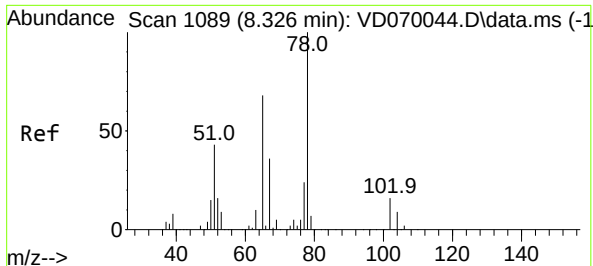
Delta R.T. -0.006 min

Lab File: VD070277.D

Acq: 31 Aug 2021 14:02

Tgt Ion:	56	Resp:	2753
Ion	Ratio	Lower	Upper
56	100		
69	148.7	26.7	40.1#
84	155.7	70.4	105.6#



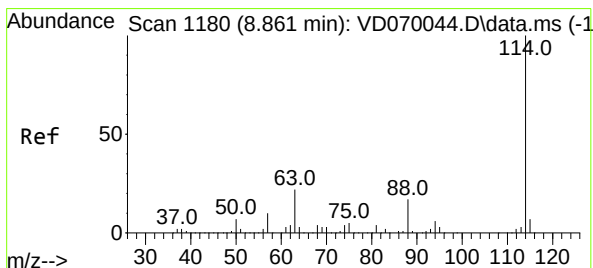
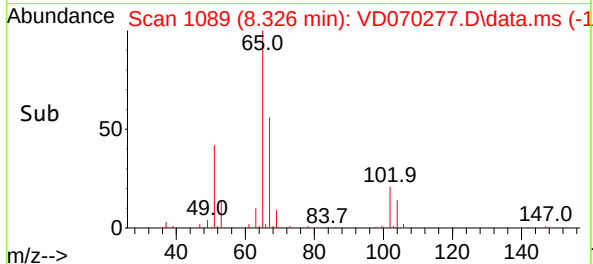
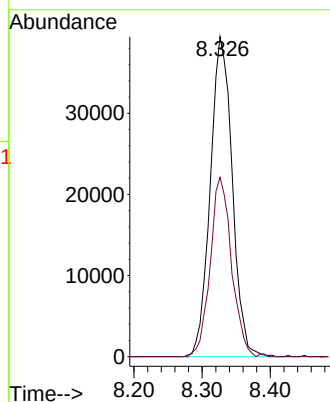
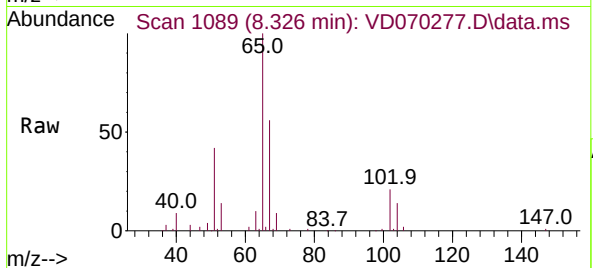


#33

1,2-Dichloroethane-d4
Concen: 81.462 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Instrument :
MSVOA_D
ClientSampled :

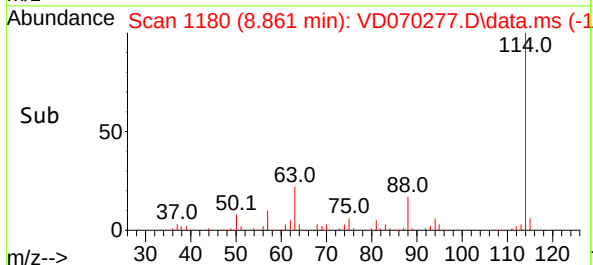
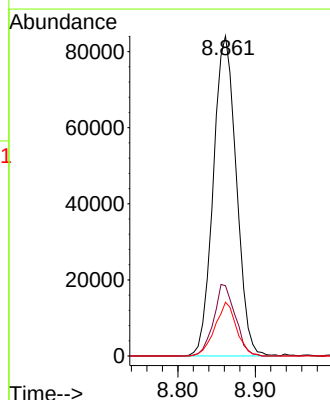
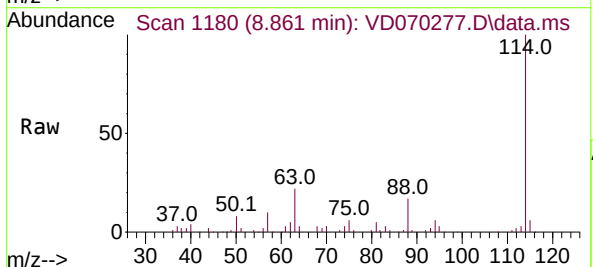
Tgt Ion: 65 Resp: 88530
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.8

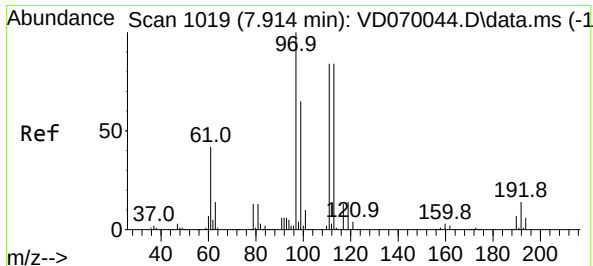


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion:114 Resp: 174130
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.6
88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 62.226 ug/l

RT: 7.914 min Scan# 1019

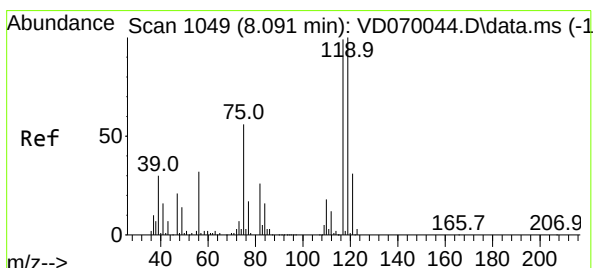
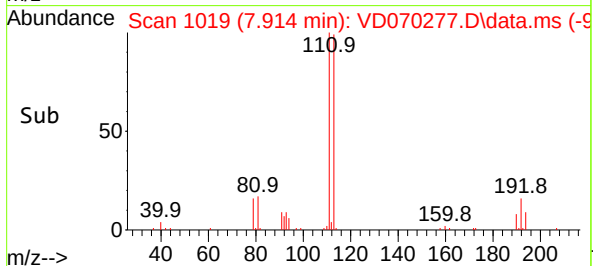
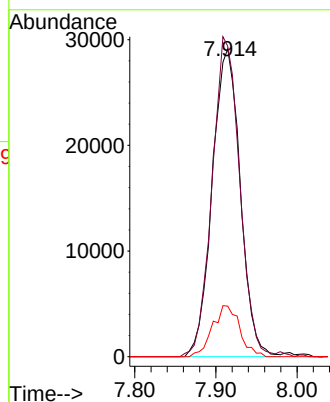
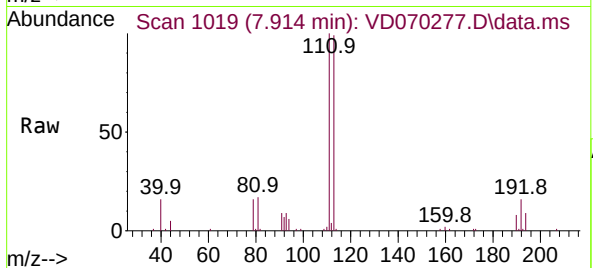
Delta R.T. 0.000 min

Lab File: VD070277.D

Acq: 31 Aug 2021 14:02

Tgt Ion:	113	Resp:	70004
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.1	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.815 ug/l

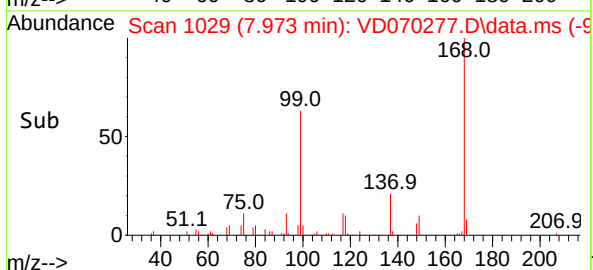
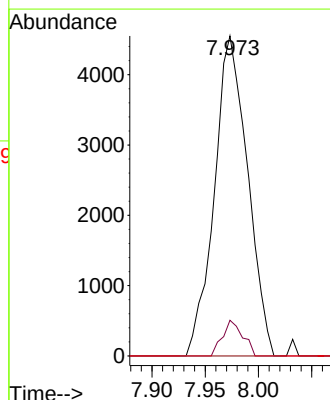
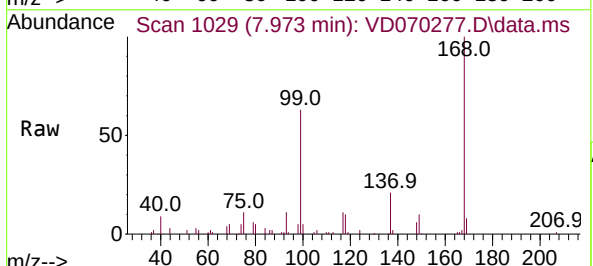
RT: 7.973 min Scan# 1029

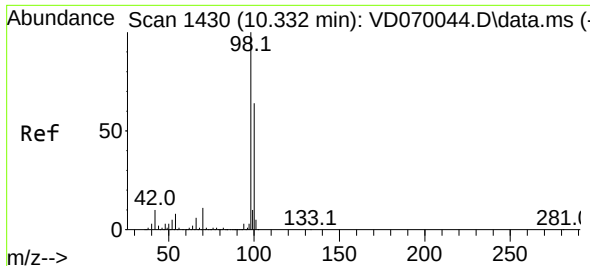
Delta R.T. -0.118 min

Lab File: VD070277.D

Acq: 31 Aug 2021 14:02

Tgt Ion:	117	Resp:	9889
Ion	Ratio	Lower	Upper
117	100		
119	11.1	81.0	121.6#
121	0.0	25.0	37.6#

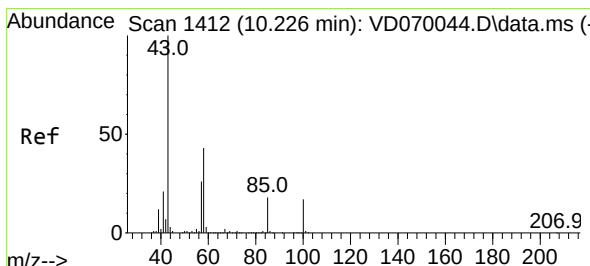
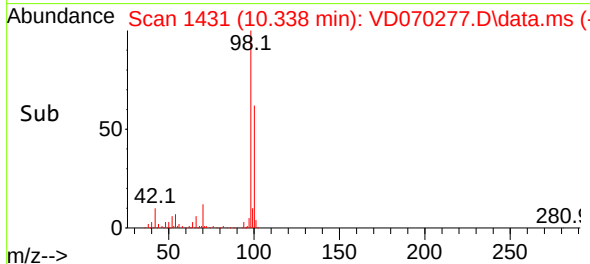
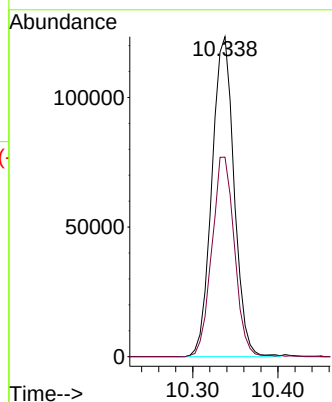
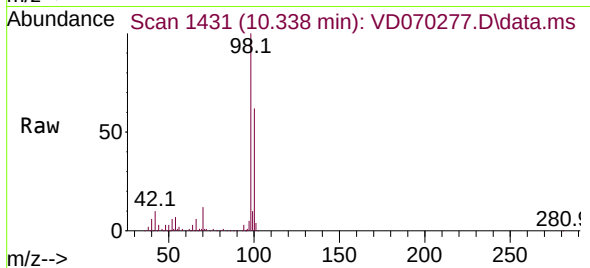




#50
Toluene-d8
Concen: 51.018 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

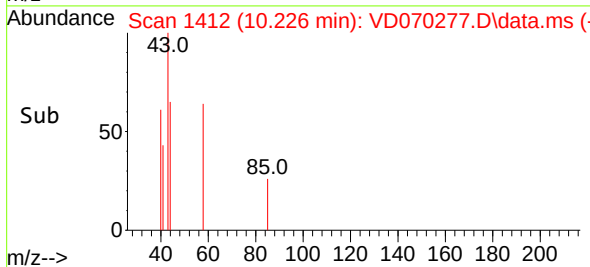
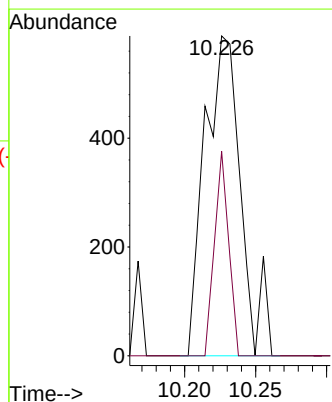
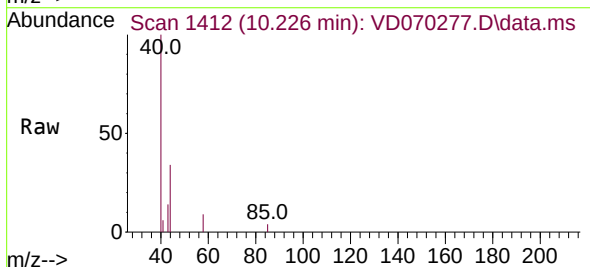
Instrument :
MSVOA_D
ClientSampleId :

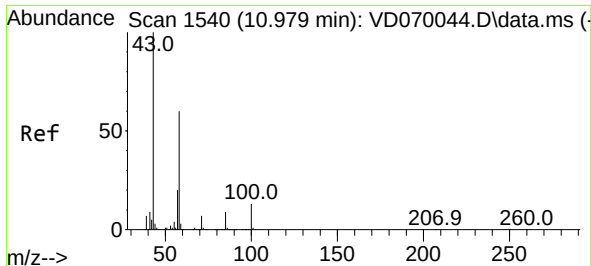
Tgt Ion: 98 Resp: 223236
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.576 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 25.1 33.9 50.9#

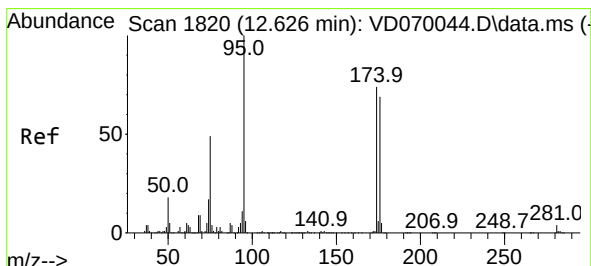
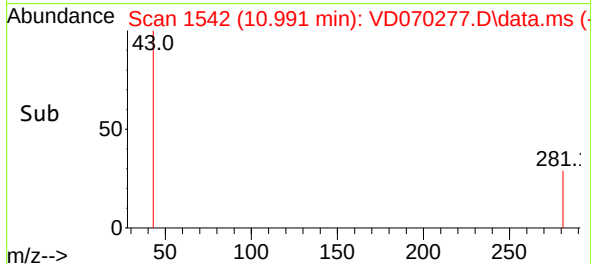
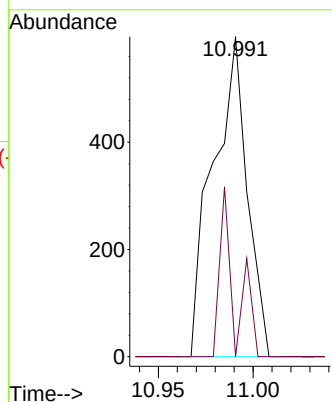
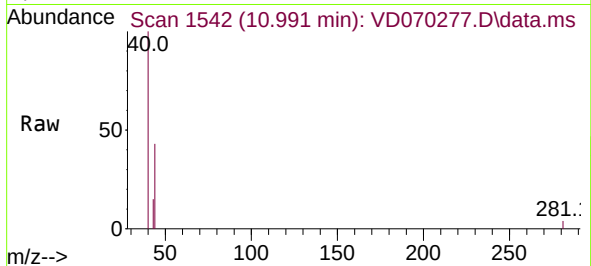




#59
2-Hexanone
Concen: 1.698 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

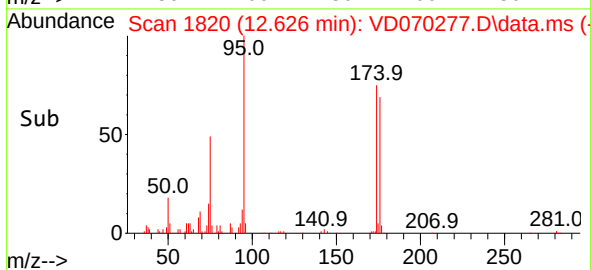
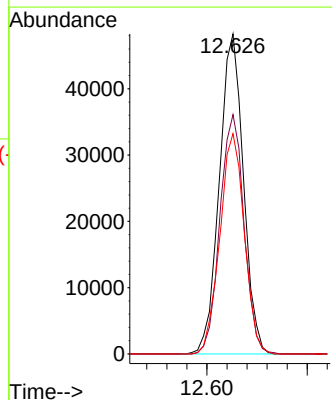
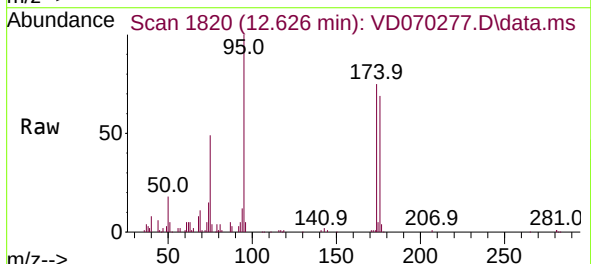
Instrument :
MSVOA_D
ClientSampled :

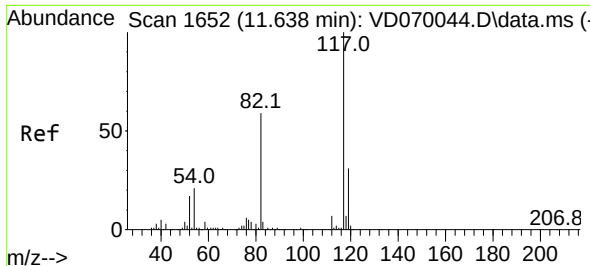
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 23.4 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 55.588 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 95 Resp: 80114
Ion Ratio Lower Upper
95 100
174 74.7 0.0 141.6
176 69.8 0.0 138.2

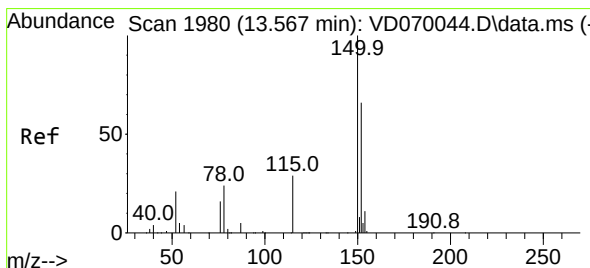
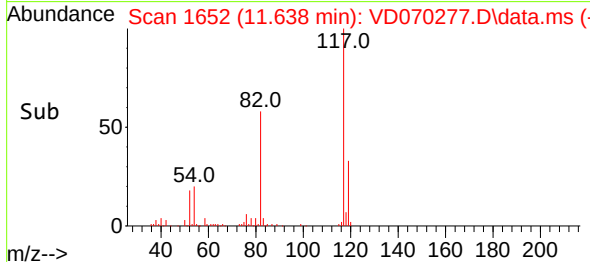
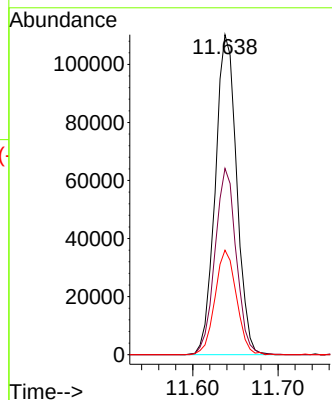
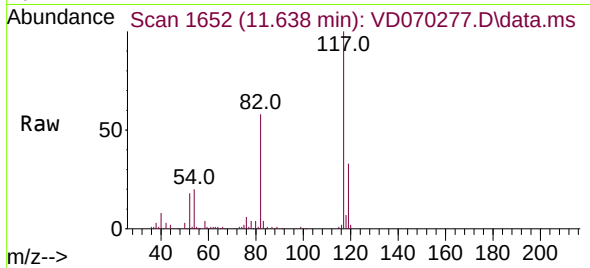




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

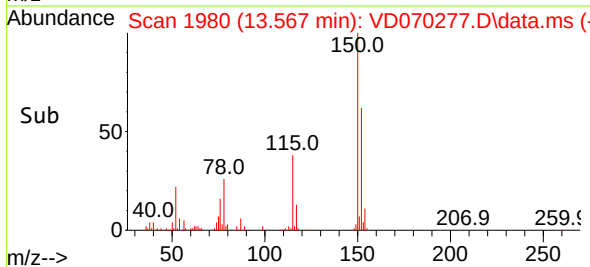
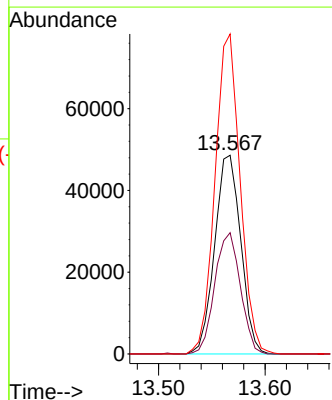
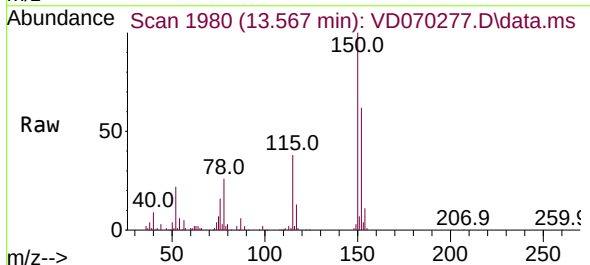
Instrument :
MSVOA_D
ClientSampleId :

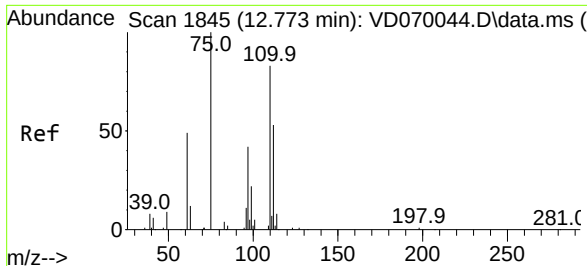
Tgt Ion:117 Resp: 192285
Ion Ratio Lower Upper
117 100
82 58.2 47.5 71.3
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion:152 Resp: 82600
Ion Ratio Lower Upper
152 100
115 59.9 31.2 93.6
150 154.9 0.0 352.0

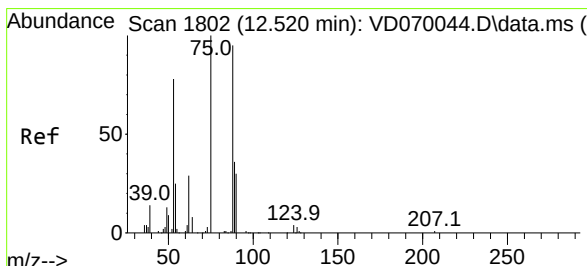
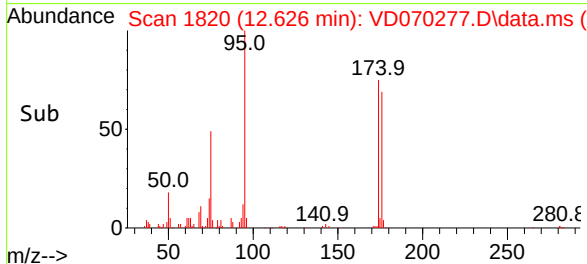
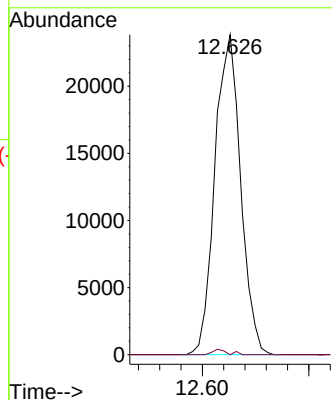
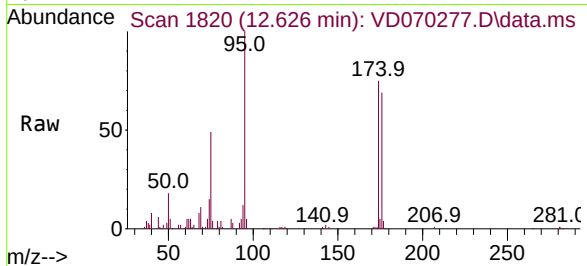




#76
1,2,3-Trichloropropane
Concen: 47.627 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 39896
Ion Ratio Lower Upper
75 100
77 1.0 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.622 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070277.D
Acq: 31 Aug 2021 14:02

Tgt Ion: 75 Resp: 39896
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 33.7 50.5#

