

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066781.D
 Acq On : 21 Sep 2020 14:32
 Operator : VA/SY
 Sample : VD0921SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBL01

Quant Time: Sep 22 00:54:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	784170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	744357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333552	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	245077	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.91	113	246703	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.34	98	932003	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.63	95	333395	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	

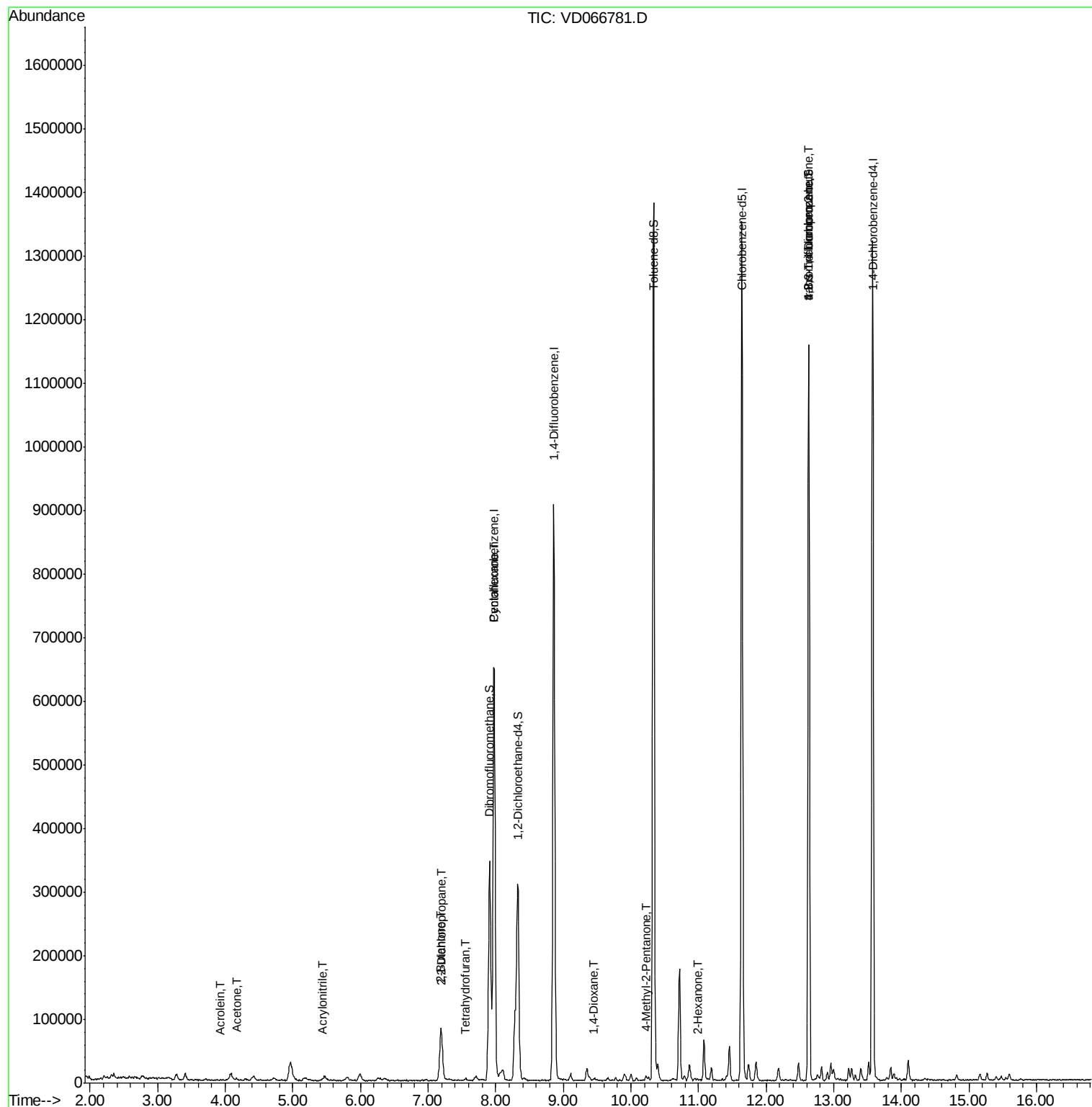
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2744	Below Cal		90
11) Tert butyl alcohol	5.18	59	5079	Below Cal	#	76
13) Acrolein	3.92	56	802	2.340	ug/l #	37
15) Acrylonitrile	5.43	53	1463	1.489	ug/l #	22
16) Acetone	4.16	43	5248	5.303	ug/l #	86
18) Methyl Acetate	4.71	43	245	Below Cal		99
20) Methylene Chloride	4.97	84	21957	Below Cal		88
25) 2-Butanone	7.18	43	2956	2.294	ug/l #	80
26) 2,2-Dichloropropane	7.20	77	10462	1.199	ug/l #	69
29) Tetrahydrofuran	7.55	42	1354	1.717	ug/l #	70
31) Cyclohexane	7.98	56	16360	1.906	ug/l #	52
49) 1,4-Dioxane	9.44	88	245	7.719	ug/l #	60
51) 4-Methyl-2-Pentanone	10.23	43	4412	1.492	ug/l	90
59) 2-Hexanone	10.98	43	2010	1.011	ug/l	82
76) 1,2,3-Trichloropropane	12.63	75	175848	61.591	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	175848	132.925	ug/l #	8

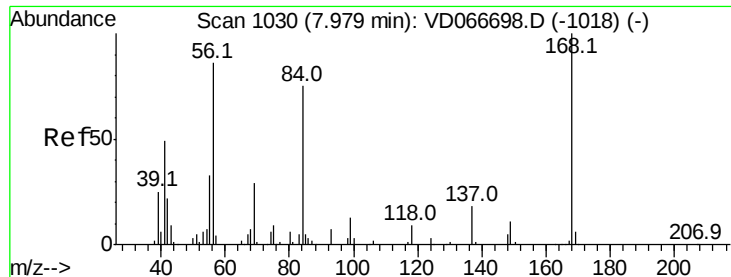
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066781.D
Acq On : 21 Sep 2020 14:32
Operator : VA/SY
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066781.D

Acq: 21 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

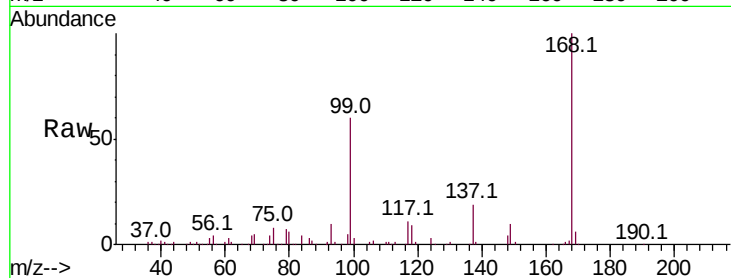
VD0921SBL01

Tot Ion:168 Resp: 455446

Ion Ratio Lower Upper

168 100

99 59.9 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

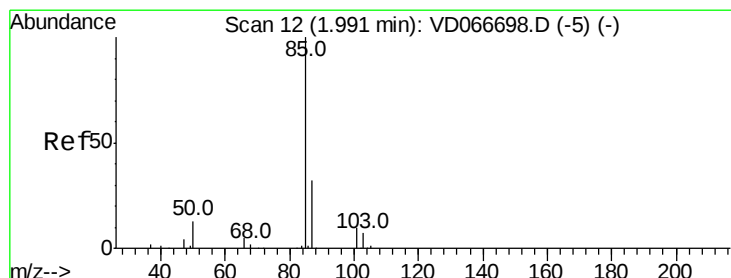
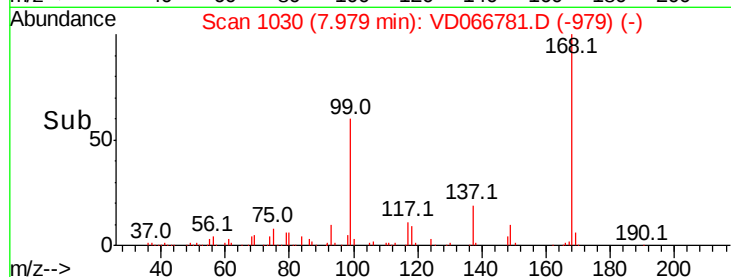
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066781.D

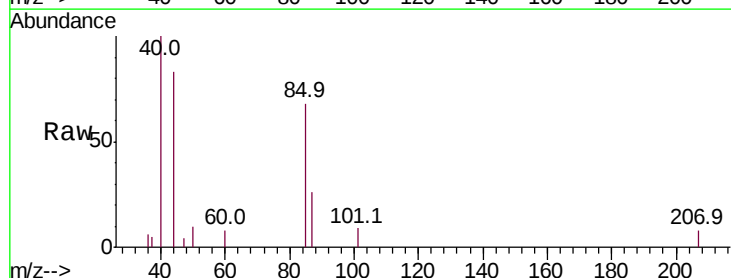
Acq: 21 Sep 2020 14:32

Tgt Ion: 85 Resp: 2744

Ion Ratio Lower Upper

85 100

87 37.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

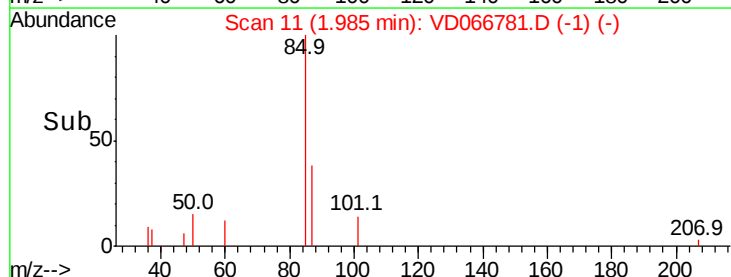
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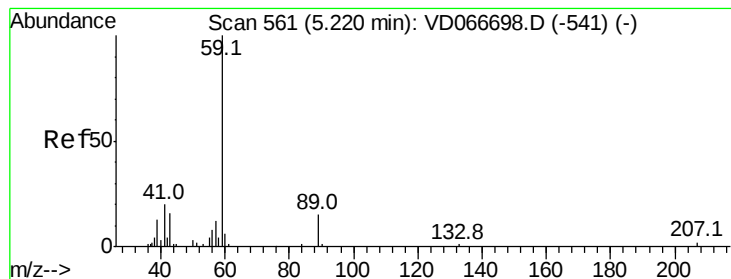
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500

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Time-->



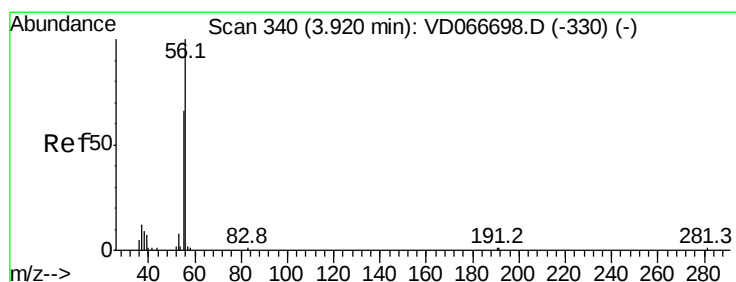
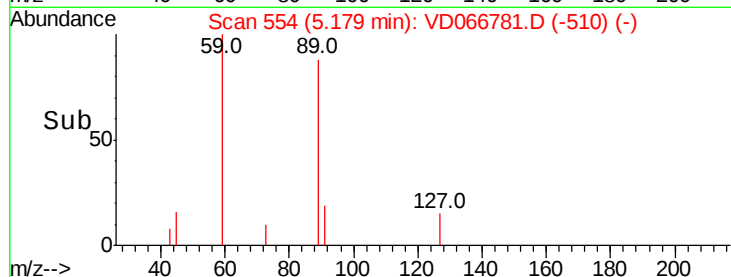
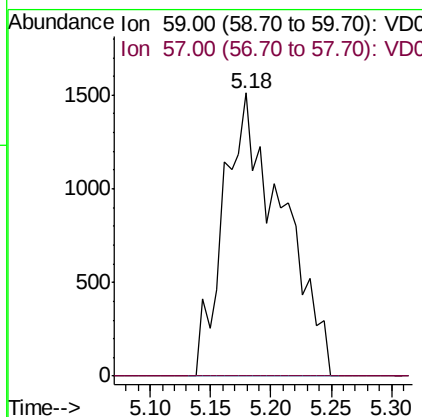
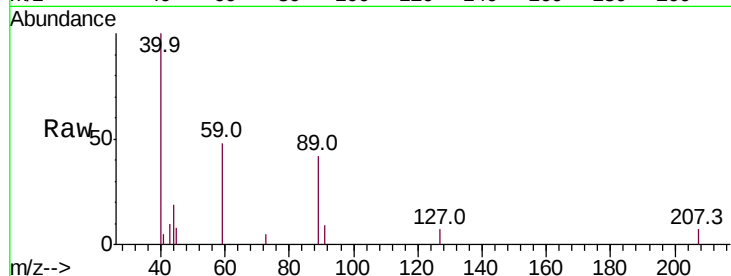


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBL01

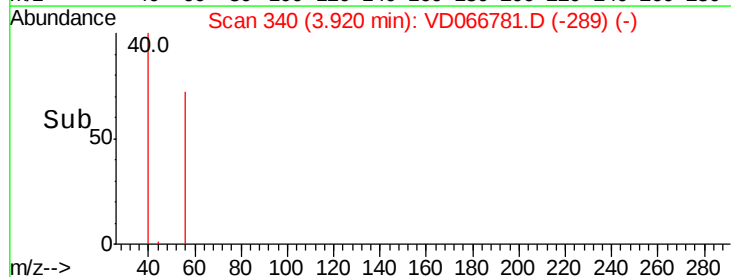
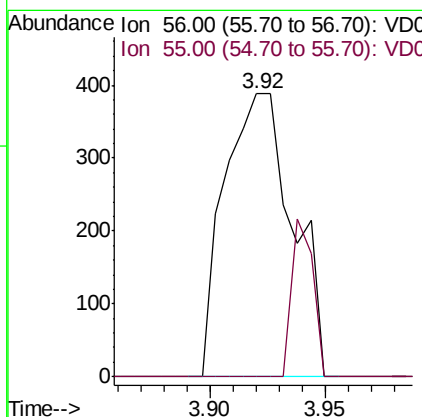
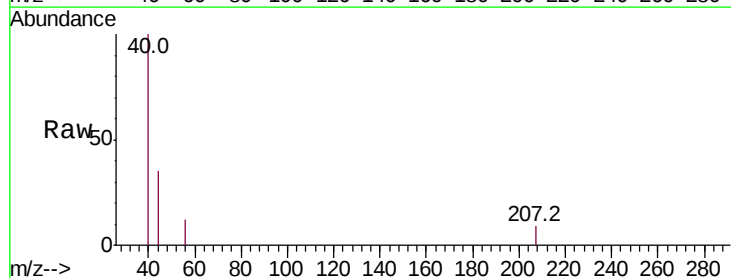
Tot Ion: 59 Resp: 5079
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

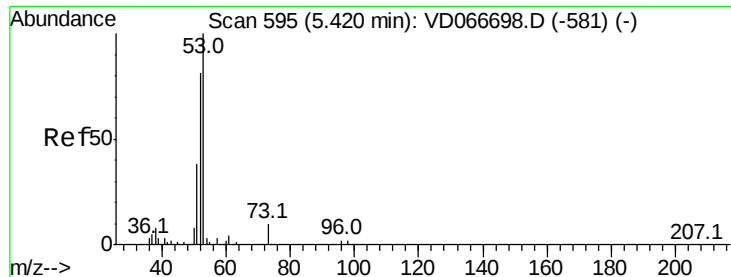


#13

Acrolein
 Concen: 2.340 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.00 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Tgt Ion: 56 Resp: 802
 Ion Ratio Lower Upper
 56 100
 55 17.0 54.7 82.1#





#15

Acrylonitrile

Concen: 1.489 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066781.D

Acq: 21 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBL01

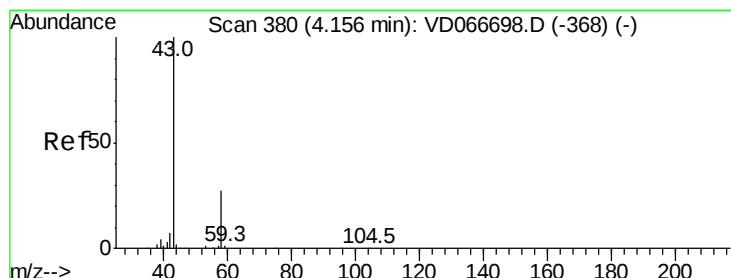
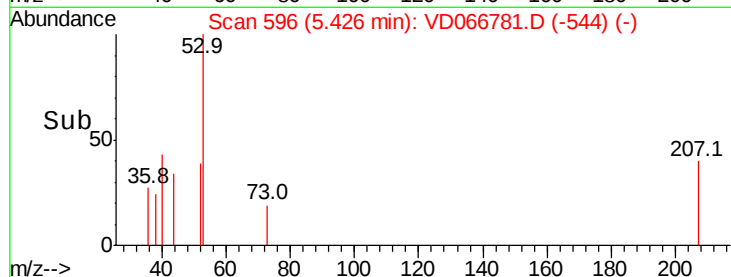
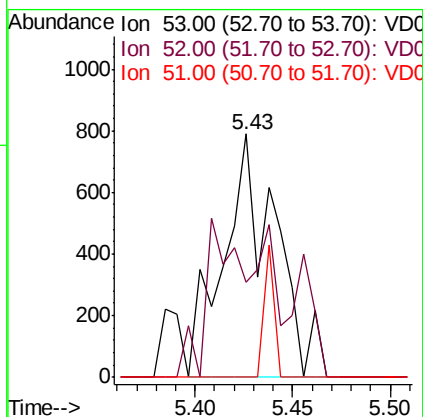
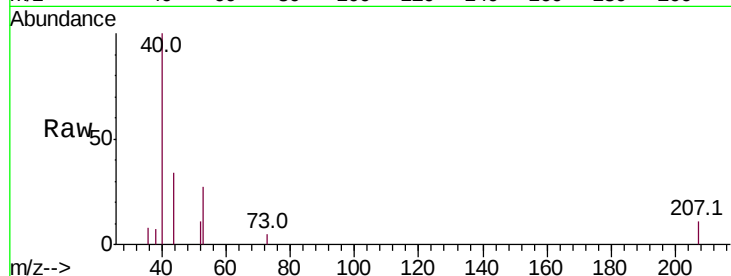
Tot Ion: 53 Resp: 1463

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

51 10.3 31.0 46.6#



#16

Acetone

Concen: 5.303 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066781.D

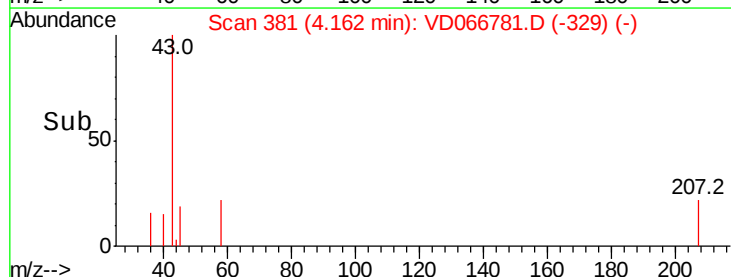
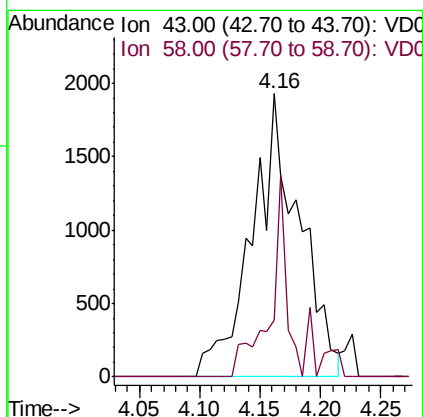
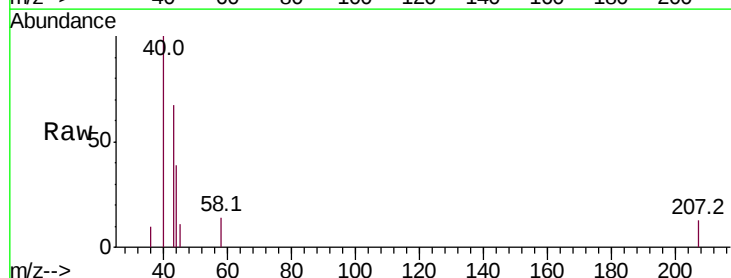
Acq: 21 Sep 2020 14:32

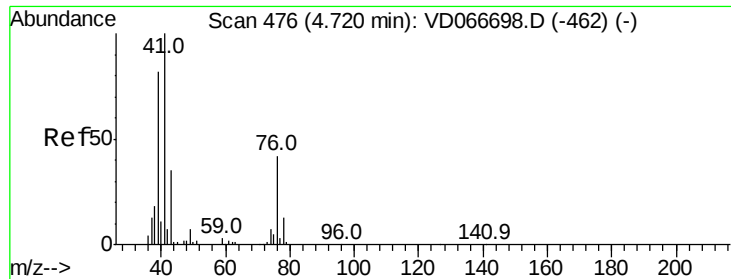
Tgt Ion: 43 Resp: 5248

Ion Ratio Lower Upper

43 100

58 20.1 21.9 32.9#

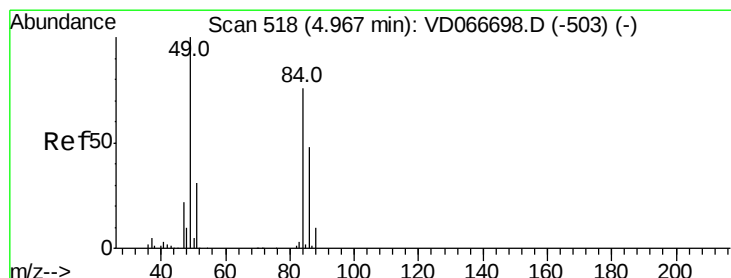
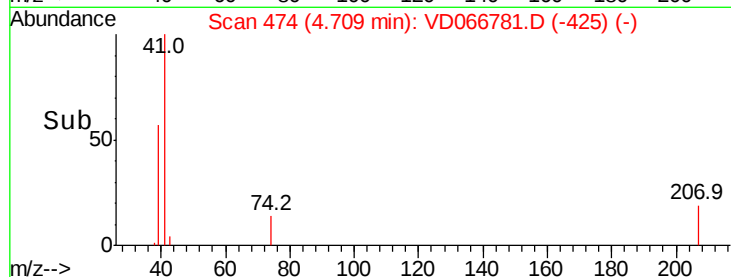
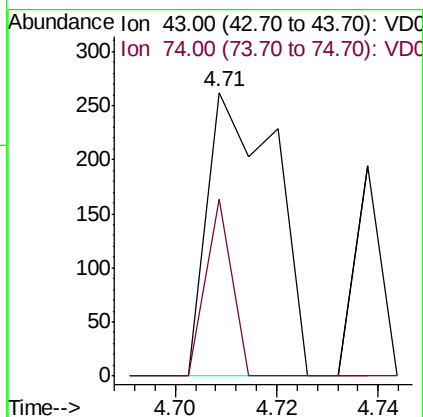
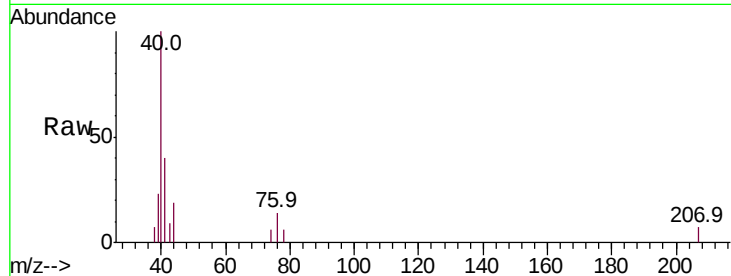




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

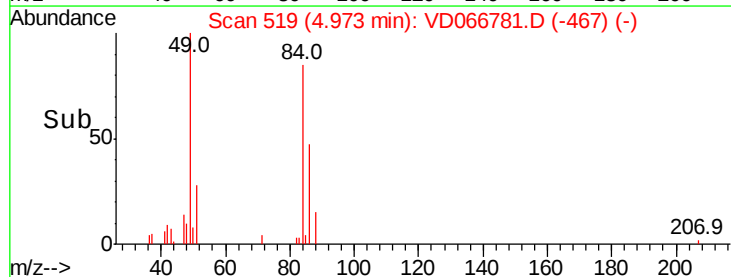
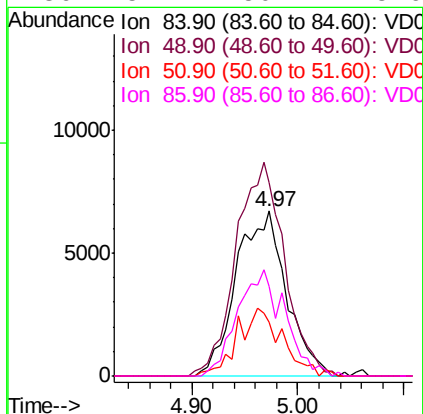
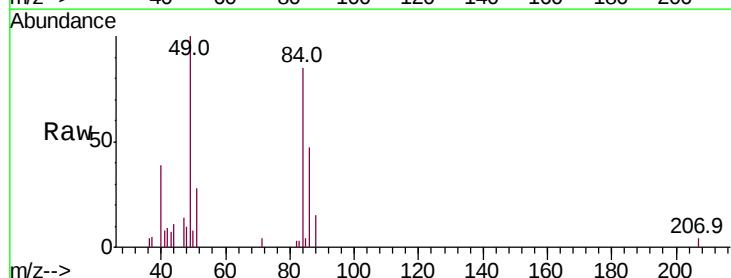
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBL01

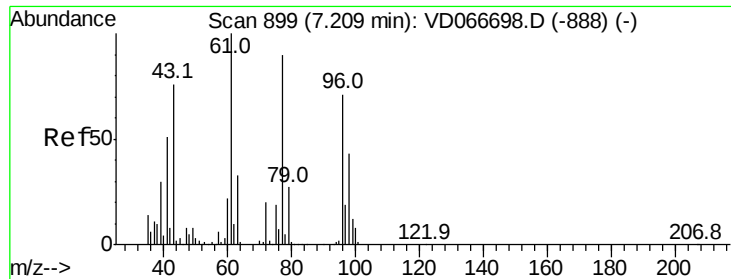
Tot Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
74 23.7 18.6 28.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

Tgt Ion: 84 Resp: 21957
Ion Ratio Lower Upper
84 100
49 117.2 105.0 157.6
51 32.4 32.2 48.4
86 54.7 50.4 75.6

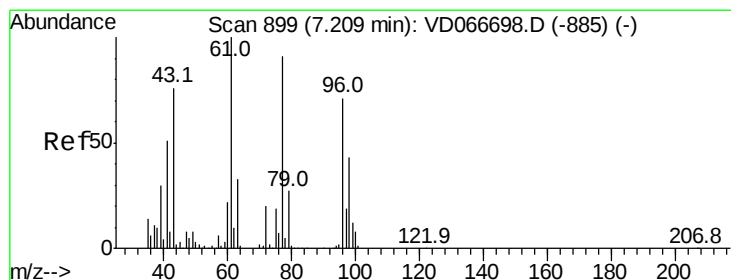
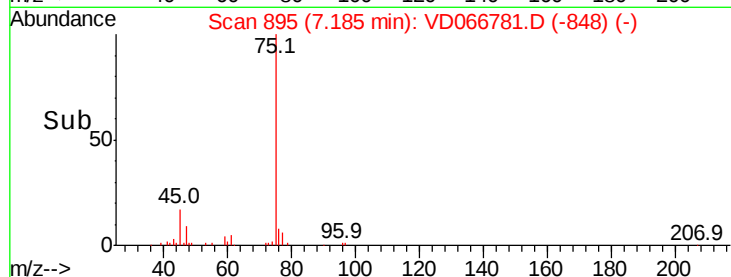
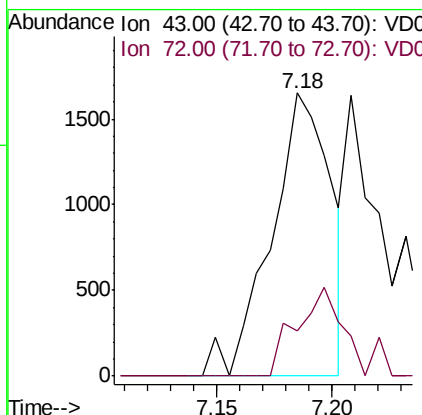
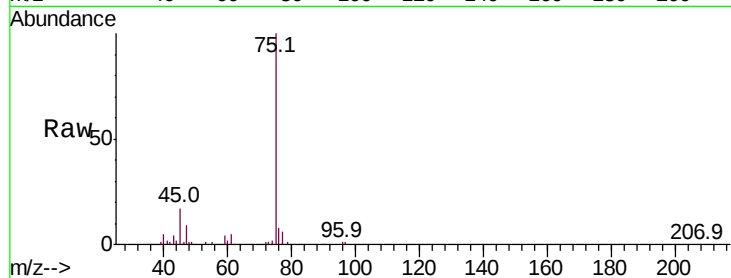




#25
 2-Butanone
 Concen: 2.294 ug/l
 RT: 7.18 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

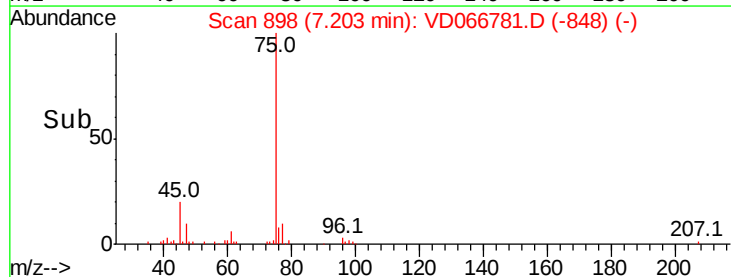
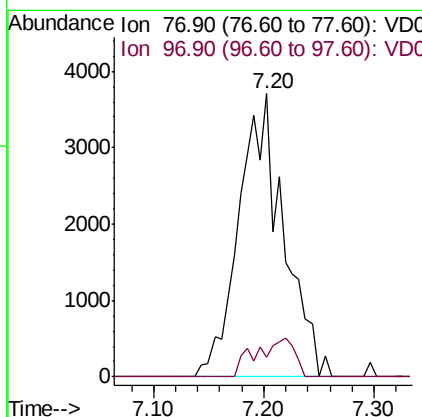
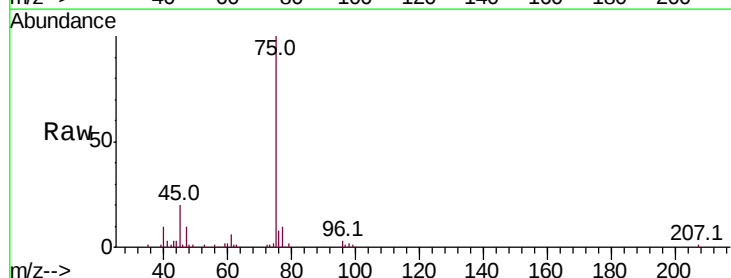
Instrument :
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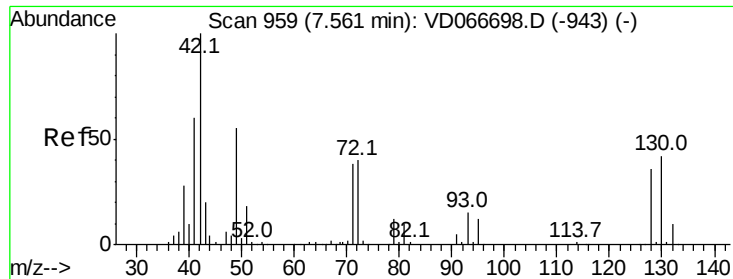
Tot Ion: 43 Resp: 2956
 Ion Ratio Lower Upper
 43 100
 72 15.9 21.0 31.4#



#26
 2,2-Dichloropropane
 Concen: 1.199 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Tgt Ion: 77 Resp: 10462
 Ion Ratio Lower Upper
 77 100
 97 6.8 10.6 31.8#

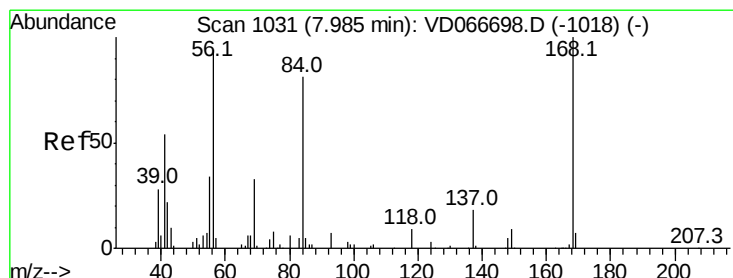
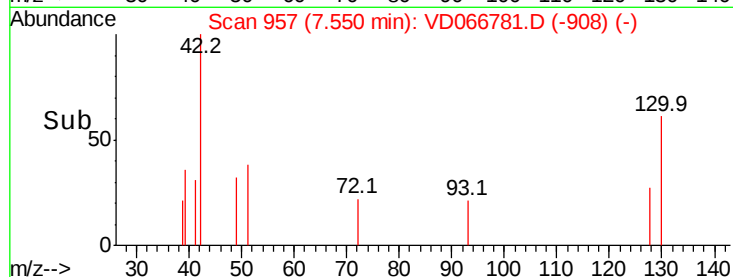
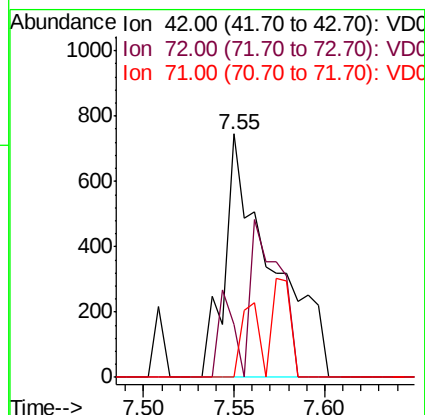
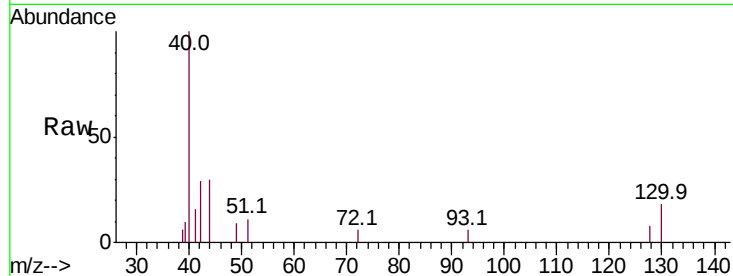




#29
Tetrahydrofuran
Concen: 1.717 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

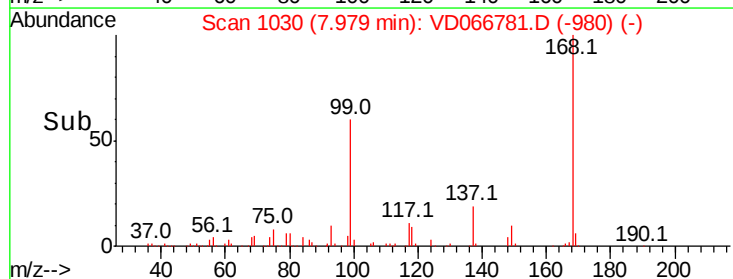
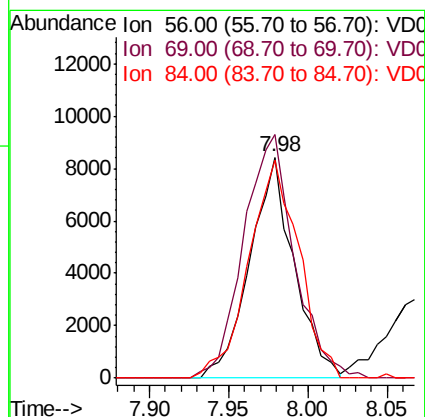
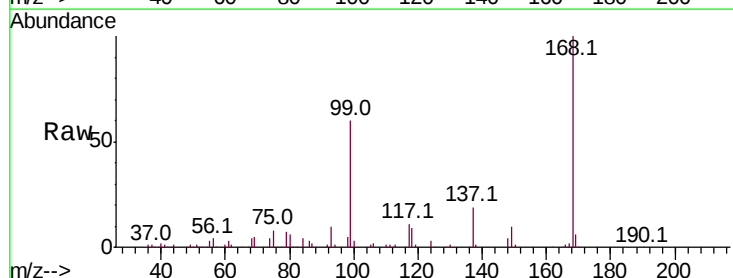
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MSVOA_D
ClientSampleID :
VD0921SBL01

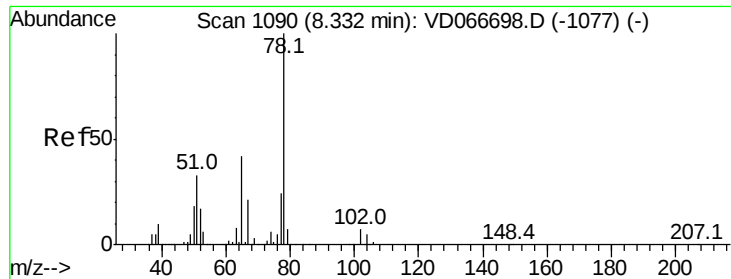
Tot Ion: 42 Resp: 1354
Ion Ratio Lower Upper
42 100
72 50.4 32.6 48.8#
71 11.3 30.6 45.8#



#31
Cyclohexane
Concen: 1.906 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

Tgt Ion: 56 Resp: 16360
Ion Ratio Lower Upper
56 100
69 110.4 27.7 41.5#
84 98.8 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 50.434 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

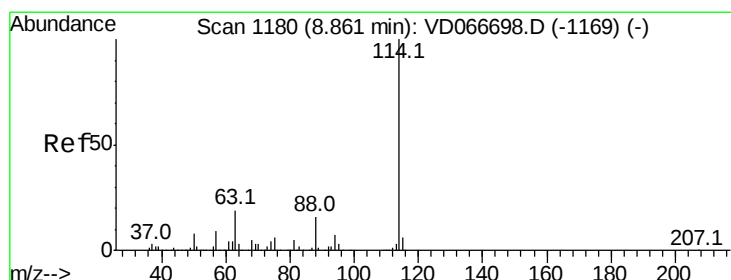
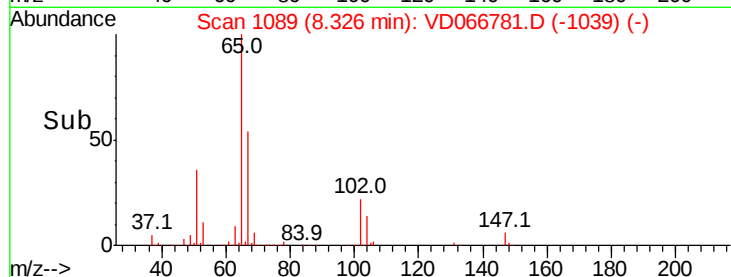
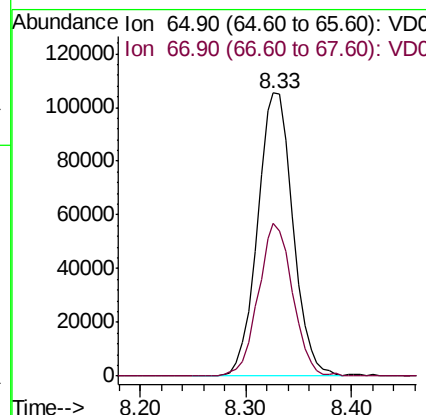
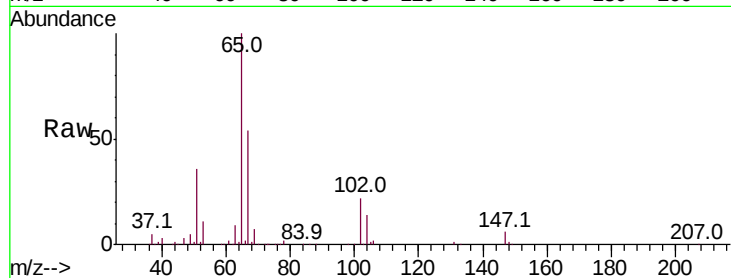
Lab File: VD066781.D

Acq: 21 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBL01

Tot Ion: 65 Resp: 245077

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

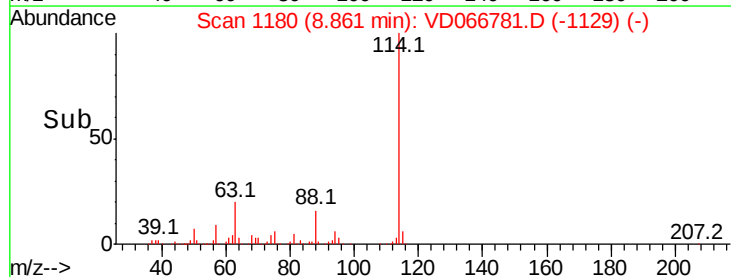
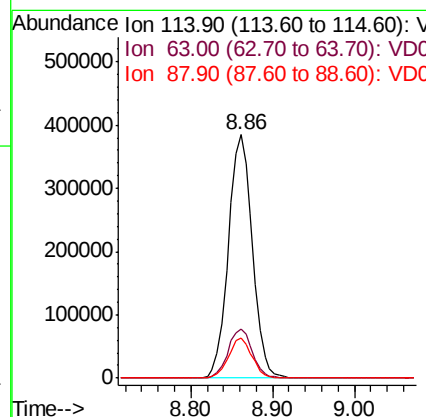
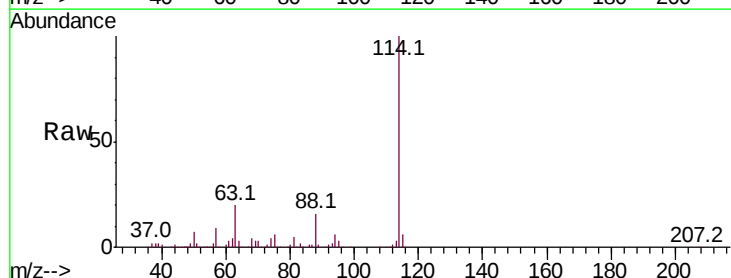
Delta R.T. -0.00 min

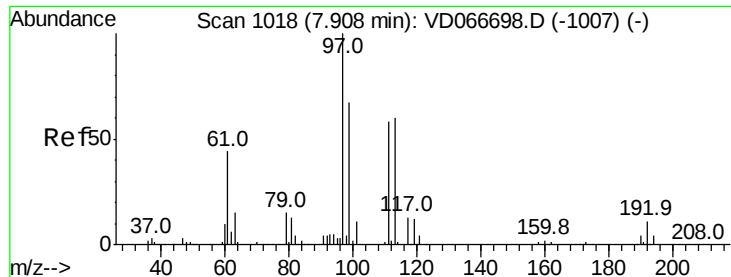
Lab File: VD066781.D

Acq: 21 Sep 2020 14:32

Tgt Ion: 114 Resp: 784170

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	37.6
88	16.4	0.0	32.2

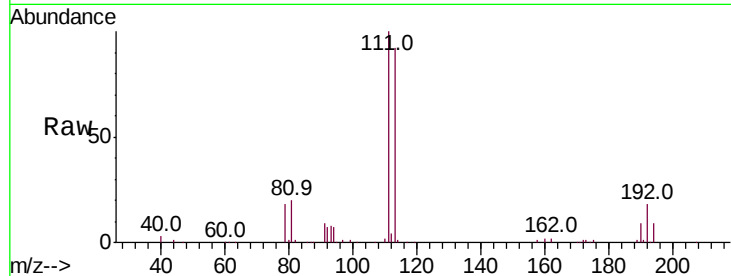




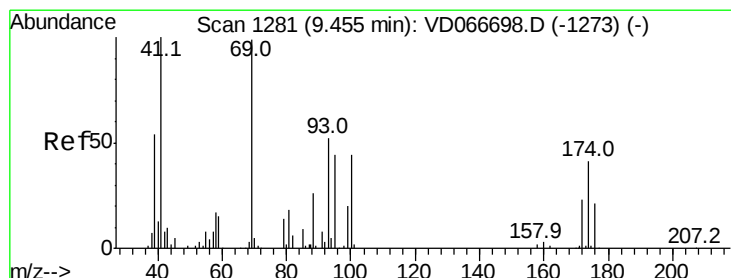
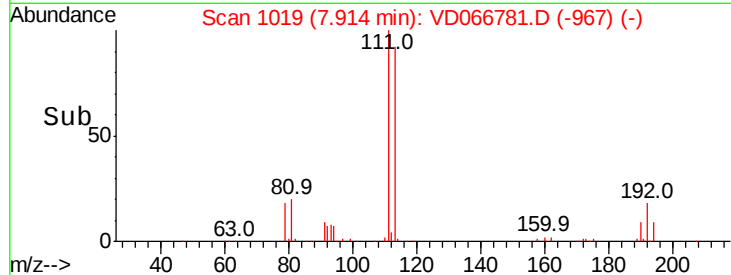
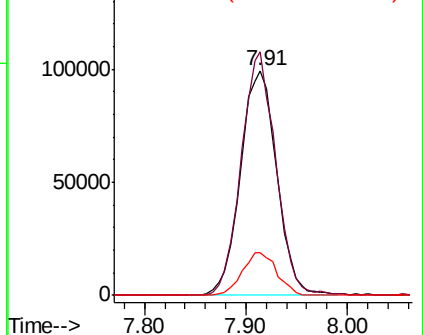
#35
 Dibromofluoromethane
 Concen: 51.314 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.2	124.8
192	18.3	14.8	22.2

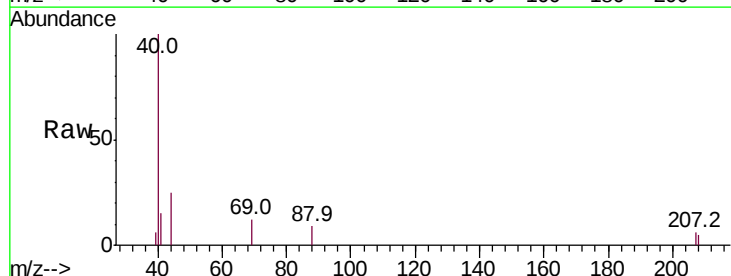


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

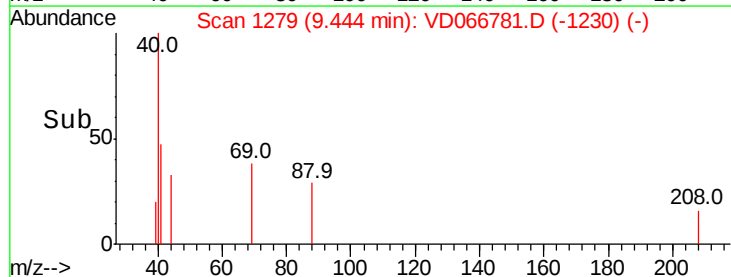
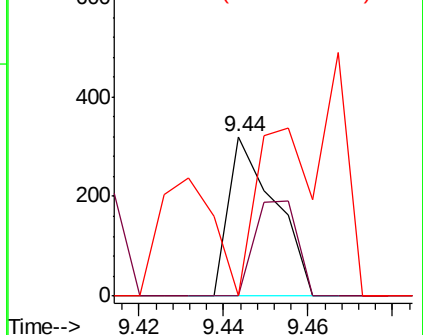


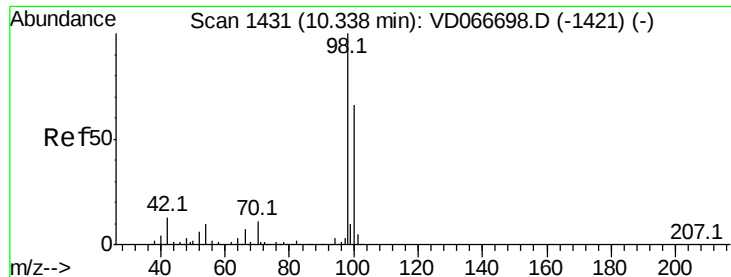
#49
 1,4-Dioxane
 Concen: 7.719 ug/l
 RT: 9.44 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.3	43.9#
58	86.5	51.4	77.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

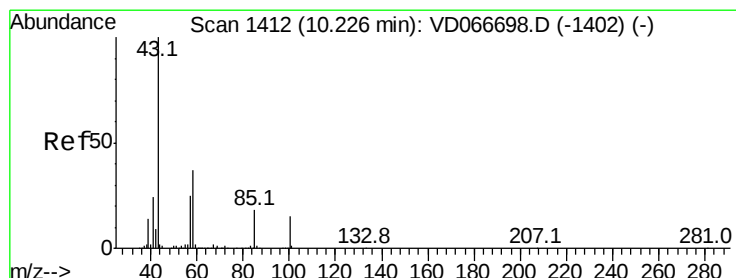
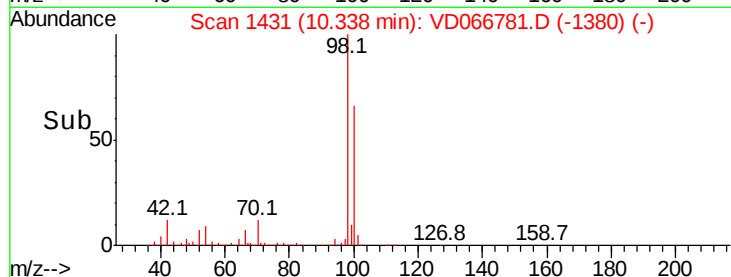
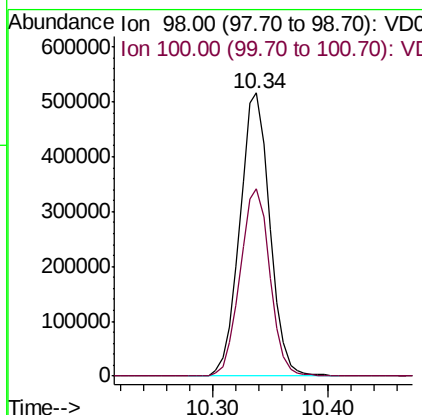
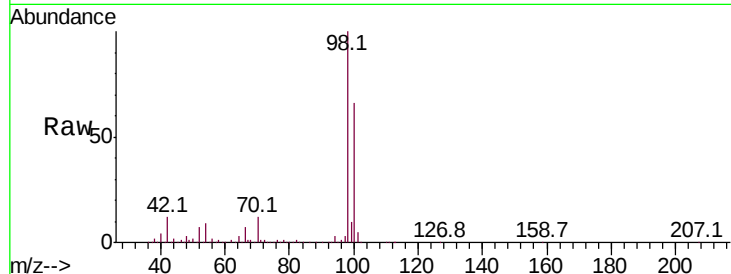




#50
Toluene-d8
Concen: 54.412 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

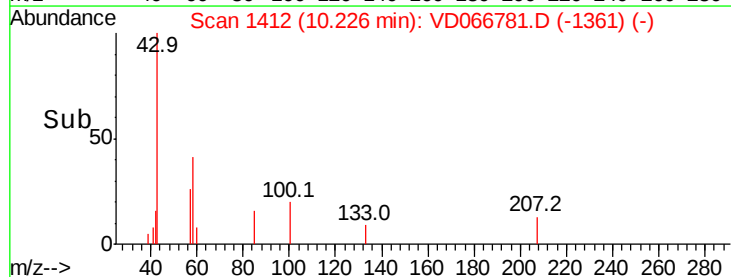
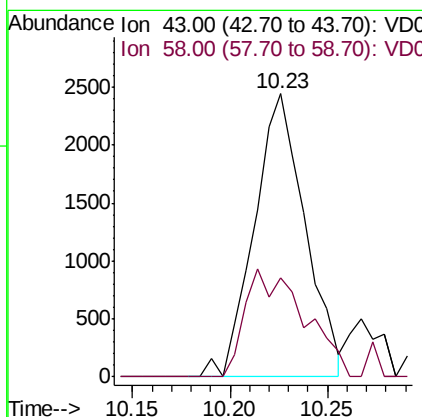
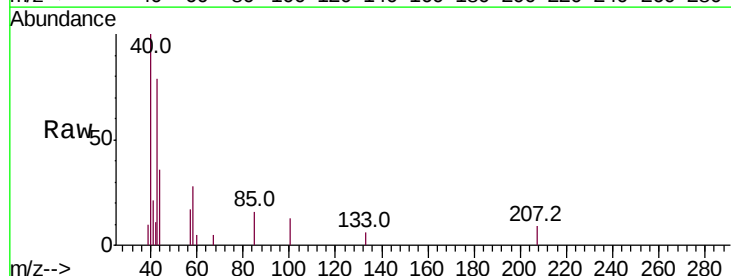
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBL01

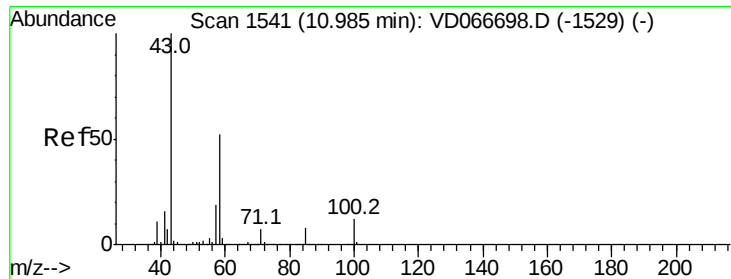
Tot Ion: 98 Resp: 932003
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.492 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

Tgt Ion: 43 Resp: 4412
Ion Ratio Lower Upper
43 100
58 44.2 30.4 45.6

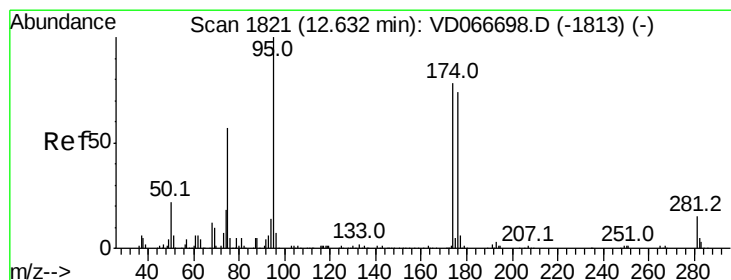
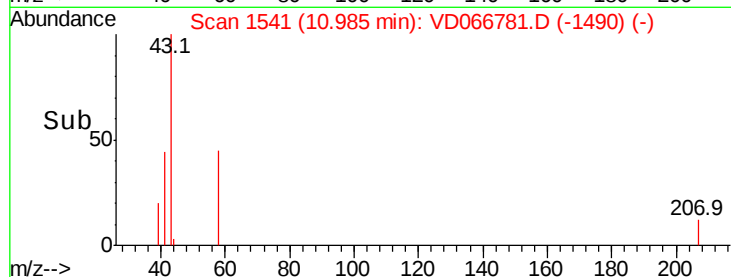
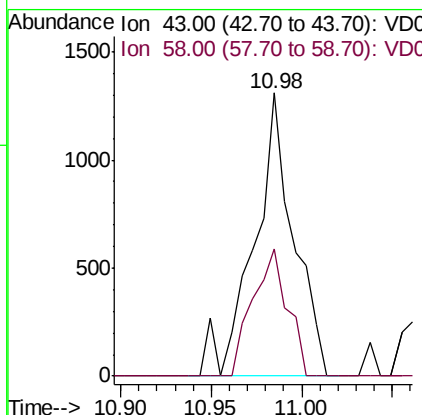
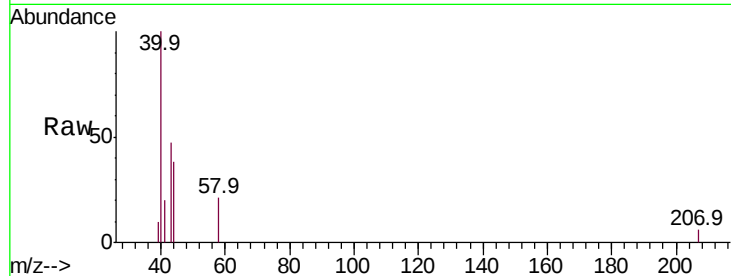




#59
2-Hexanone
Concen: 1.011 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

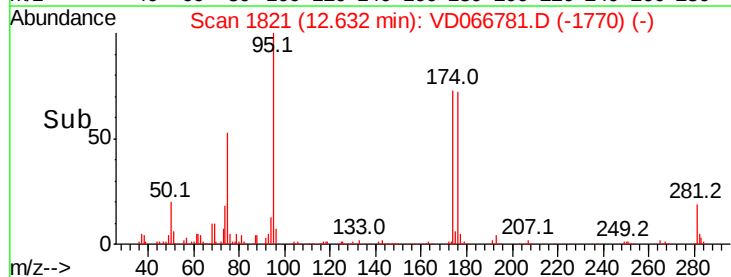
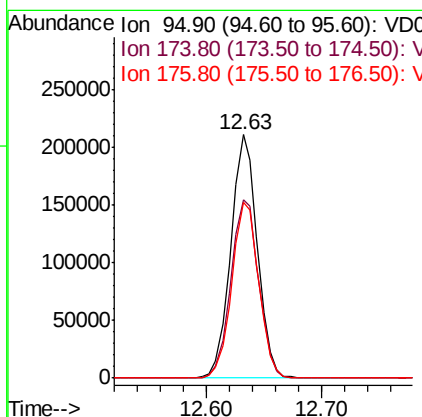
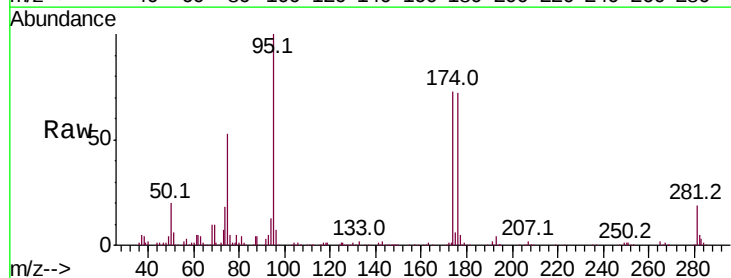
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBL01

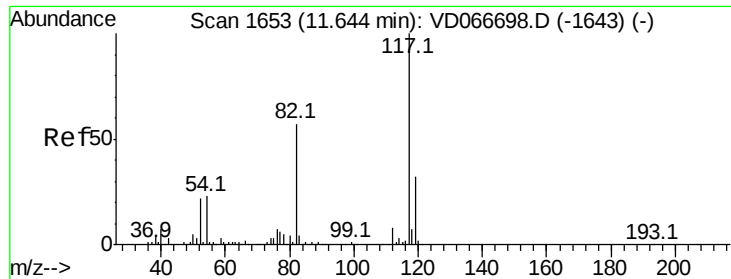
Tot Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
58 39.3 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 56.387 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

Tgt Ion: 95 Resp: 333395
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.6
176 73.6 0.0 150.2

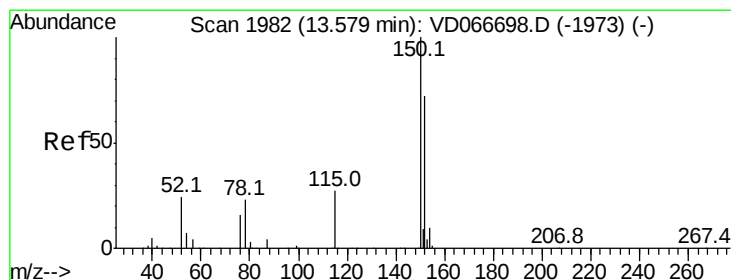
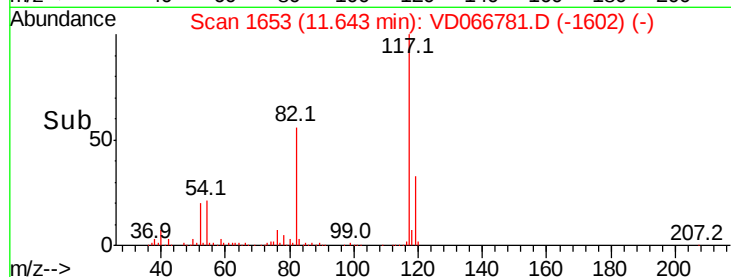
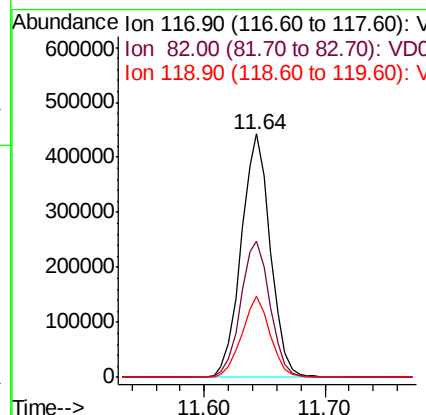
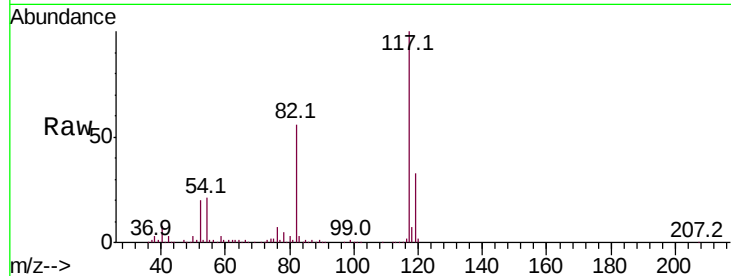




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

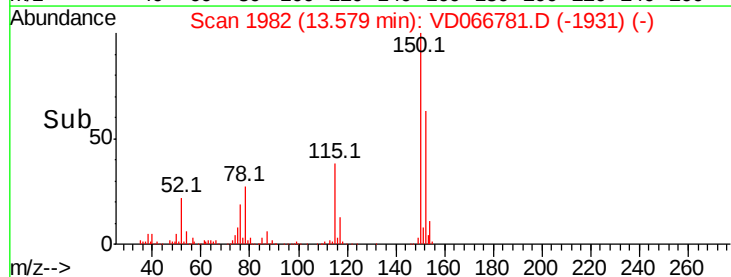
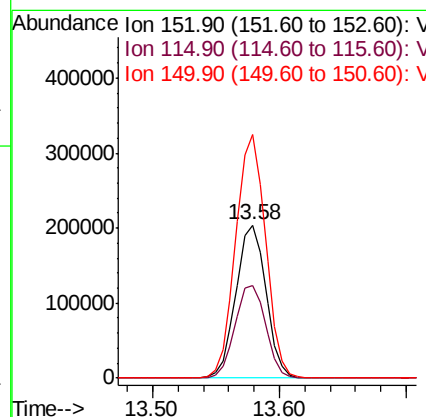
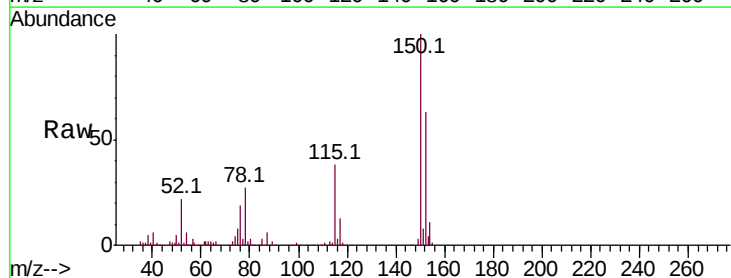
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBL01

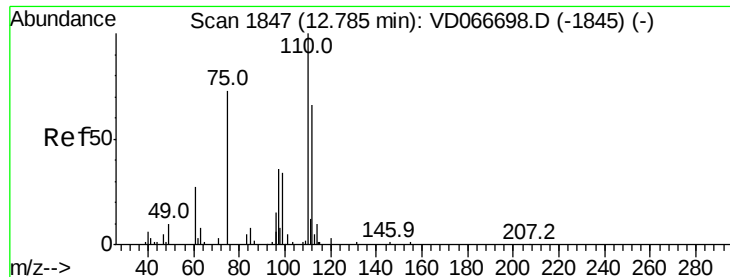
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.4	68.0
119	33.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066781.D
Acq: 21 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.5	91.5
150	158.9	0.0	344.6

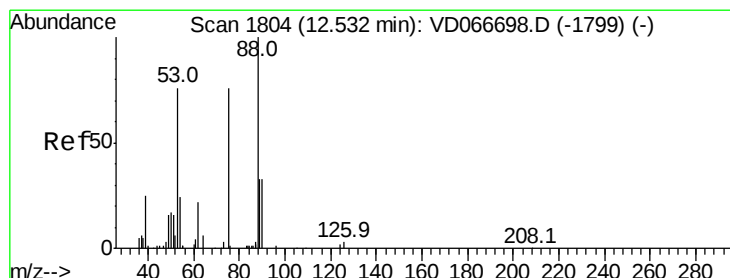
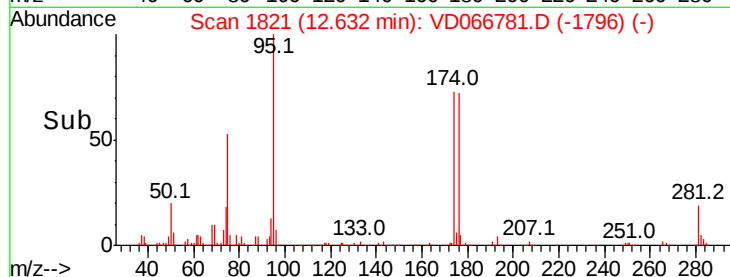
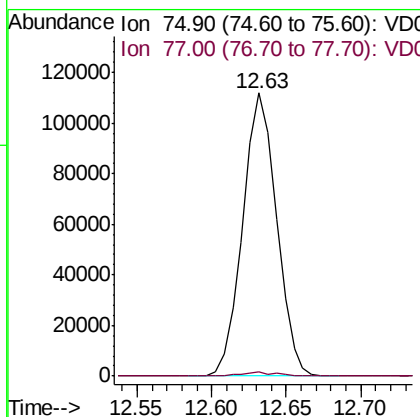
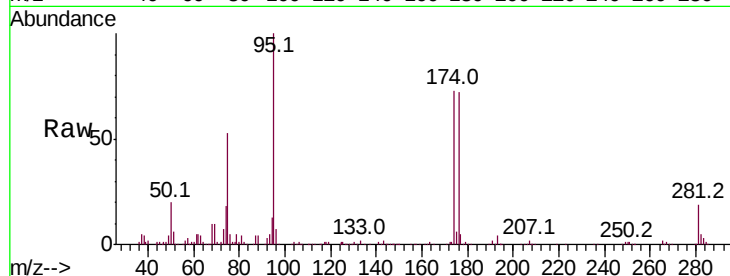




#76
 1,2,3-Trichloropropane
 Concen: 61.591 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBL01

Tot Ion: 75 Resp: 175848
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.925 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066781.D
 Acq: 21 Sep 2020 14:32

Tgt Ion: 75 Resp: 175848
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.2 123.4#
 89 0.1 39.6 59.4#

