

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066683.D
 Acq On : 14 Sep 2020 21:31
 Operator : VA/SY
 Sample : L3869-01
 Misc : 6.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	401681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	736213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	699478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	274570	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
35) Dibromofluoromethane	7.91	113	253471	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.34	98	907492	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.63	95	315623	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

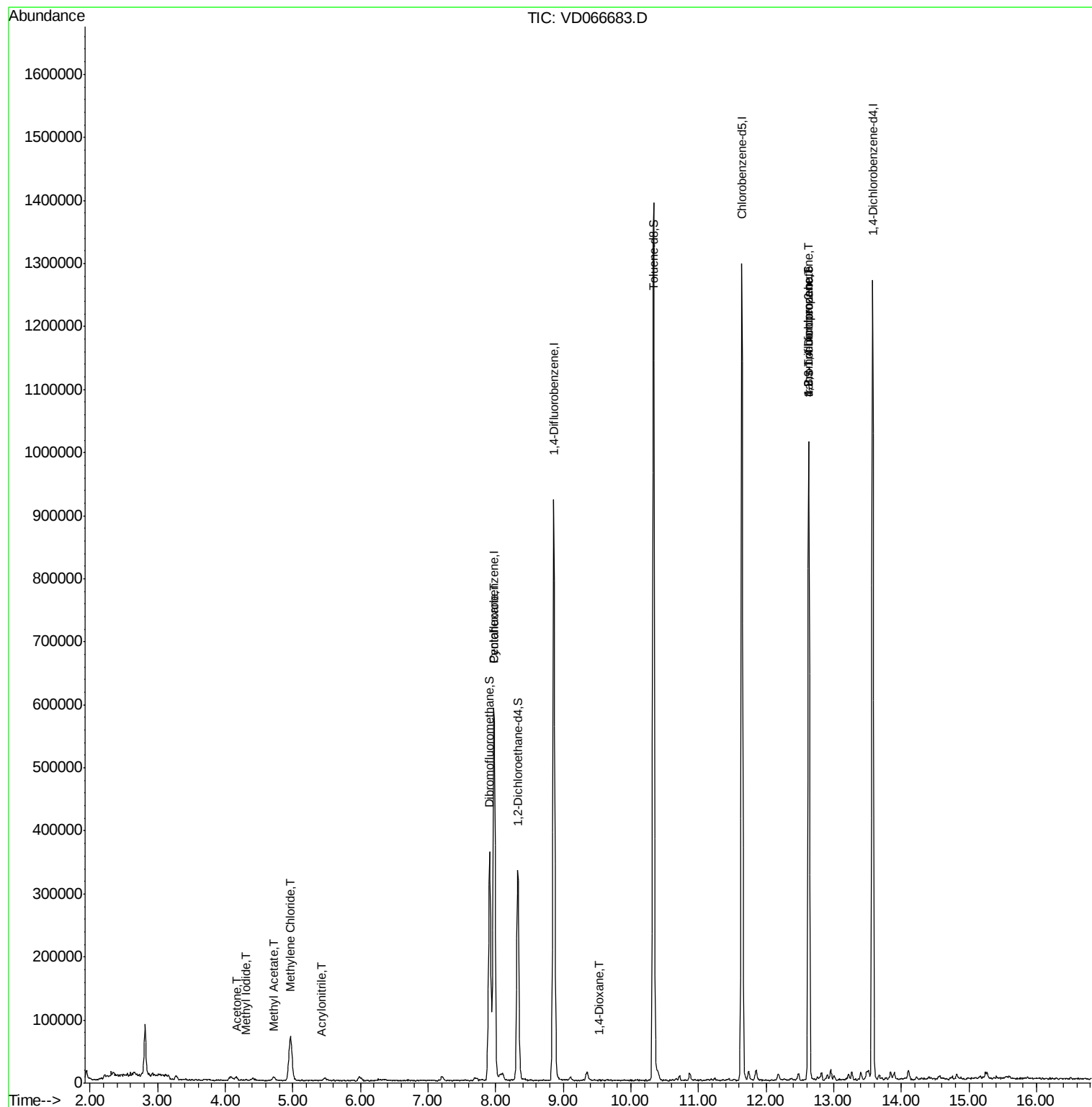
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	2010	Below Cal	#	54
5) Bromomethane	2.77	94	2643	Below Cal	#	60
10) Methyl Iodide	4.30	142	2535	4.591	ug/l #	79
11) Tert butyl alcohol	5.23	59	61	Below Cal	#	74
15) Acrylonitrile	5.42	53	953	1.058	ug/l #	53
16) Acetone	4.16	43	10875	12.161	ug/l	97
18) Methyl Acetate	4.71	43	7252	3.402	ug/l #	87
20) Methylene Chloride	4.96	84	53383	4.997	ug/l	88
31) Cyclohexane	7.98	56	15275	1.927	ug/l #	27
49) 1,4-Dioxane	9.53	88	60	1.879	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	176892	59.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	176892	139.972	ug/l #	7

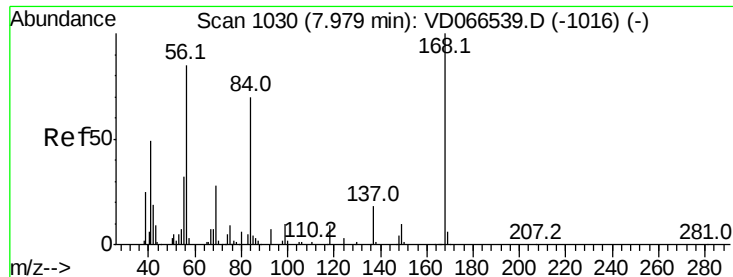
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Instrument :

MSVOA_D

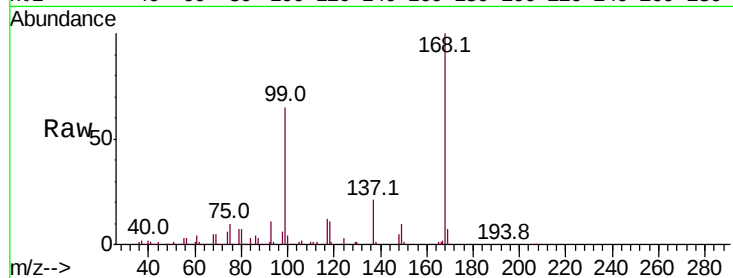
ClientSampleId :

Tot Ion:168 Resp: 401681

Ion Ratio Lower Upper

168 100

99 64.7 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

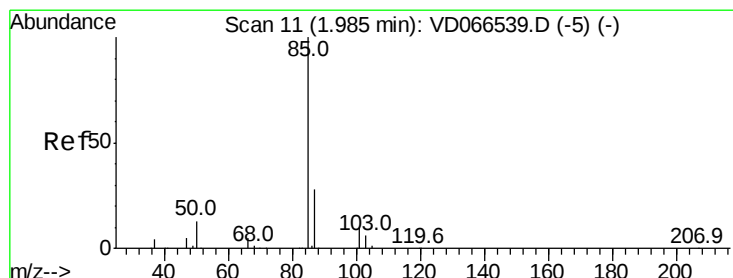
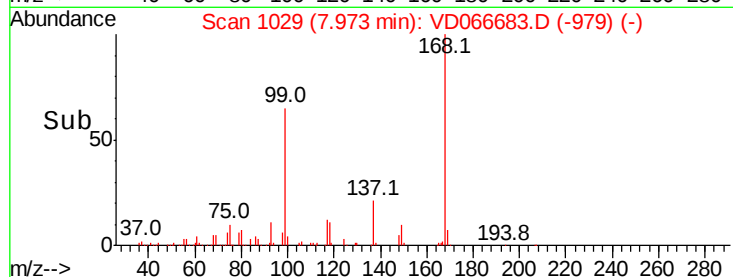
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066683.D

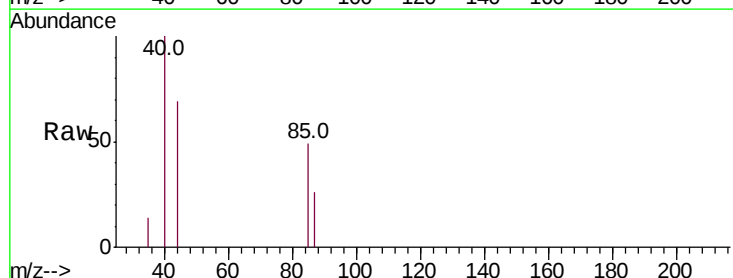
Acq: 14 Sep 2020 21:31

Tgt Ion: 85 Resp: 2010

Ion Ratio Lower Upper

85 100

87 52.6 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

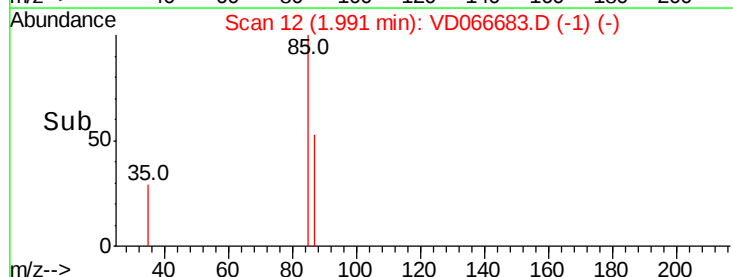
1500

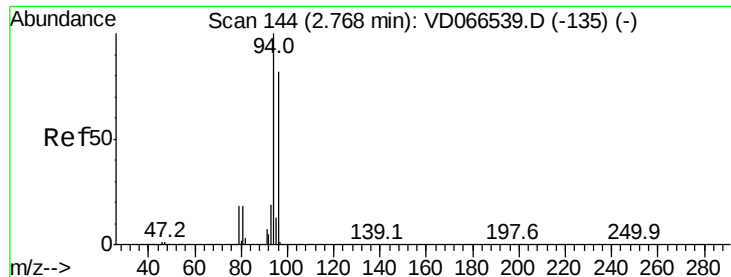
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Instrument :

MSVOA_D

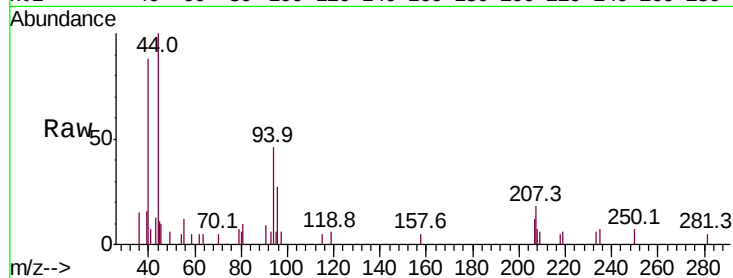
ClientSampleId :

Tot Ion: 94 Resp: 2643

Ion Ratio Lower Upper

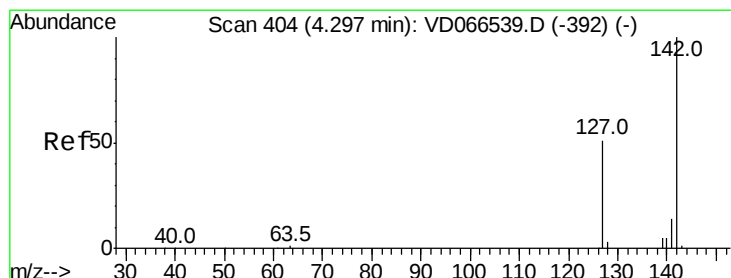
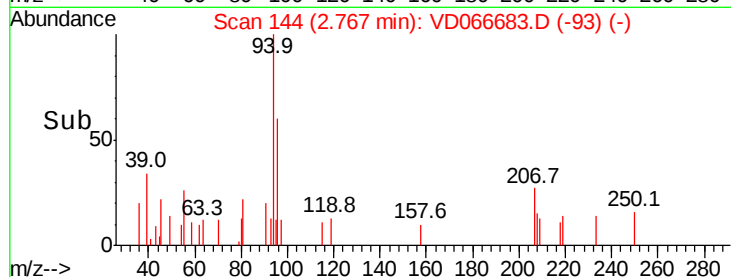
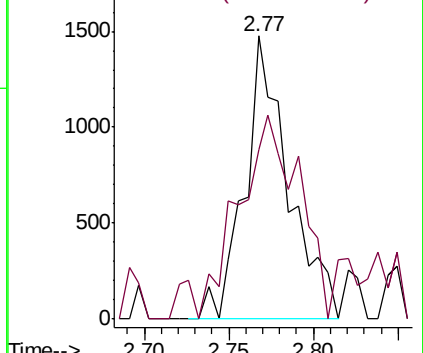
94 100

96 46.2 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.591 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

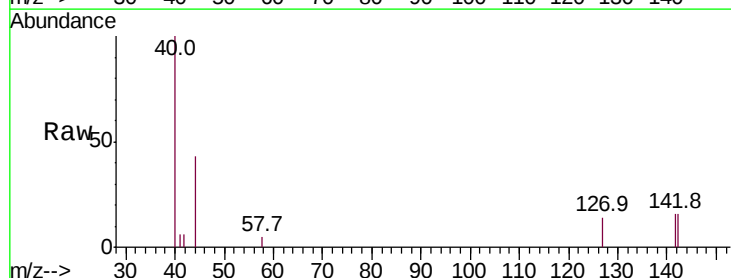
Tgt Ion: 142 Resp: 2535

Ion Ratio Lower Upper

142 100

127 38.5 40.6 61.0#

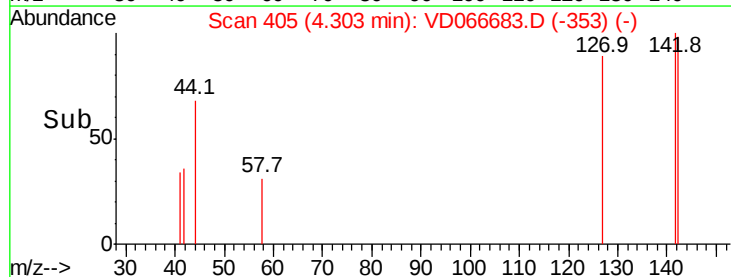
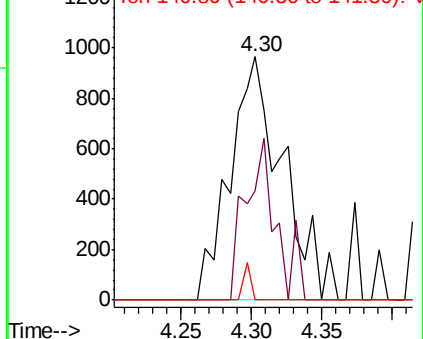
141 2.1 12.2 18.4#

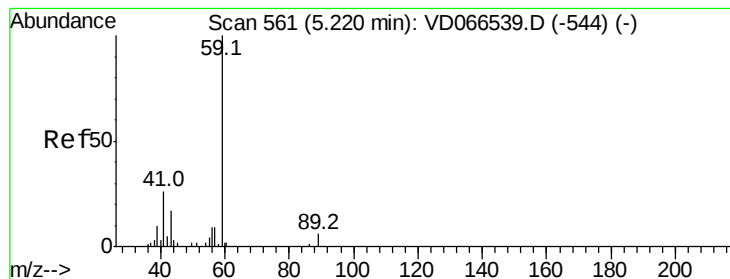


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



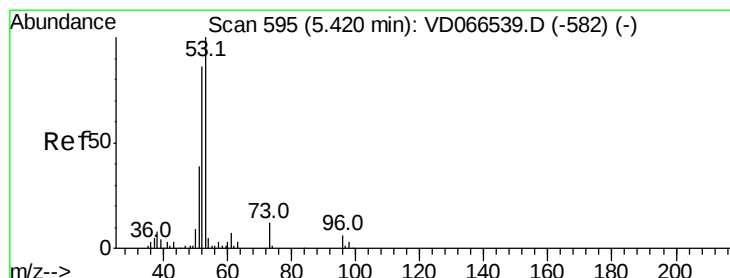
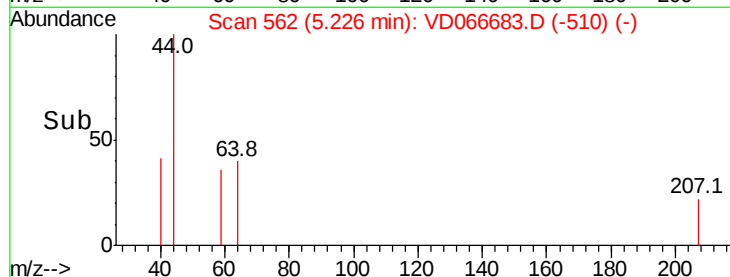
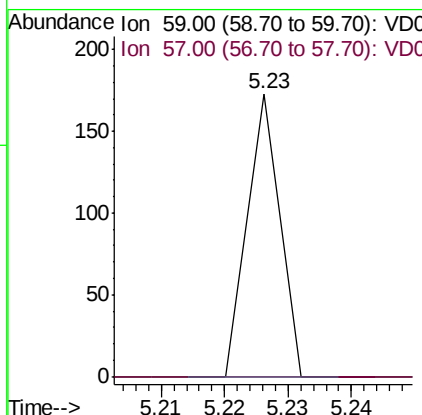
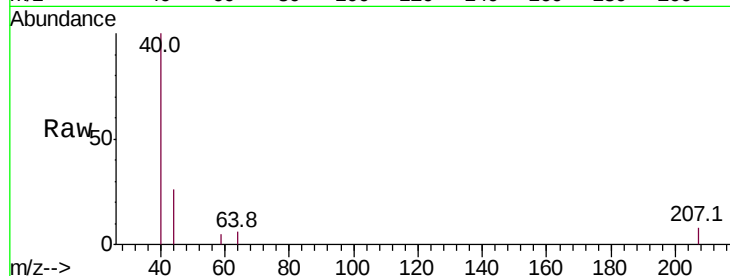


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066683.D
 Acq: 14 Sep 2020 21:31

Instrument :
 MSVOA_D
 ClientSampleId :

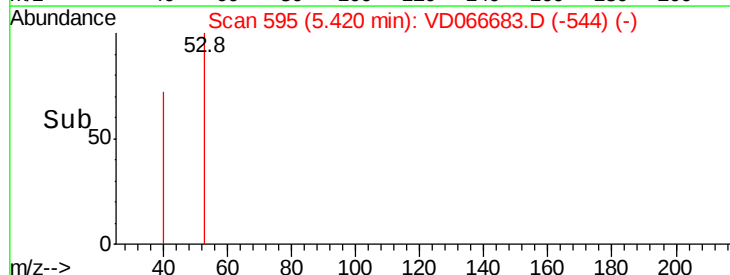
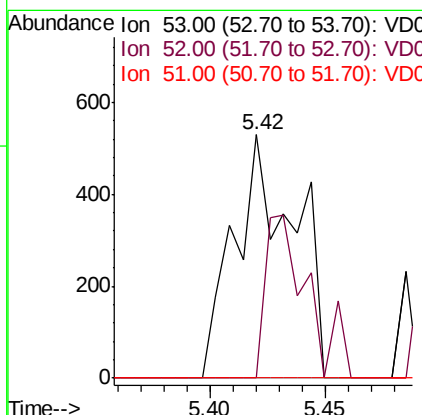
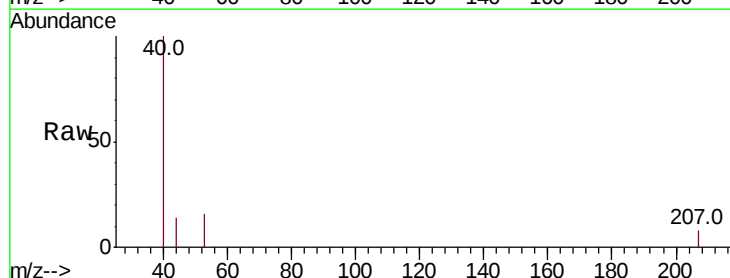
Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

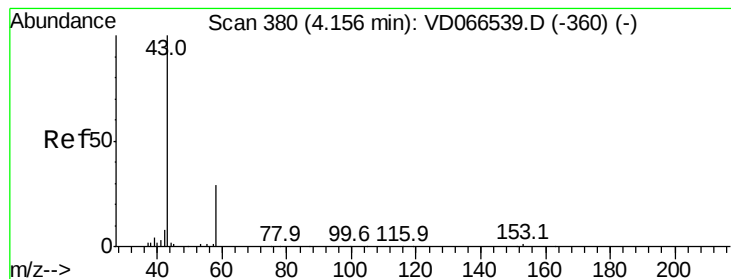


#15

Acrylonitrile
 Concen: 1.058 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VD066683.D
 Acq: 14 Sep 2020 21:31

Tgt Ion: 53 Resp: 953
 Ion Ratio Lower Upper
 53 100
 52 47.4 65.4 98.2#
 51 0.0 31.2 46.8#





#16

Acetone

Concen: 12.161 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Instrument :

MSVOA_D

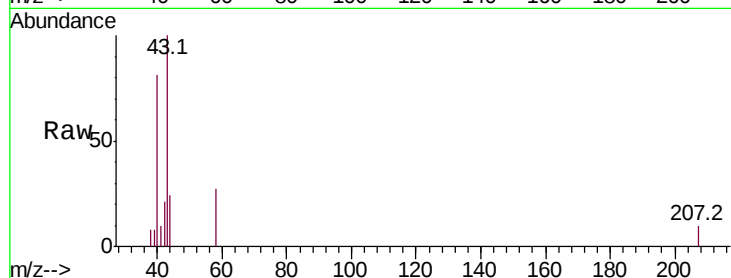
ClientSampleId :

Tot Ion: 43 Resp: 10875

Ion Ratio Lower Upper

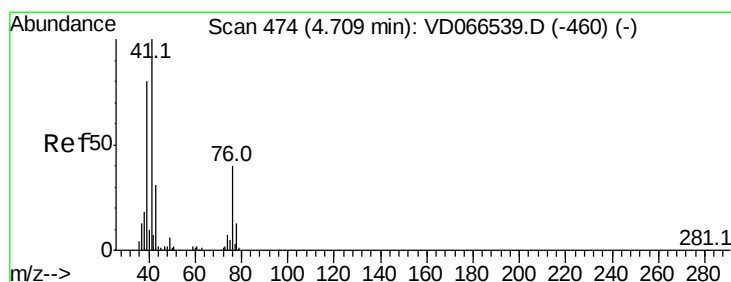
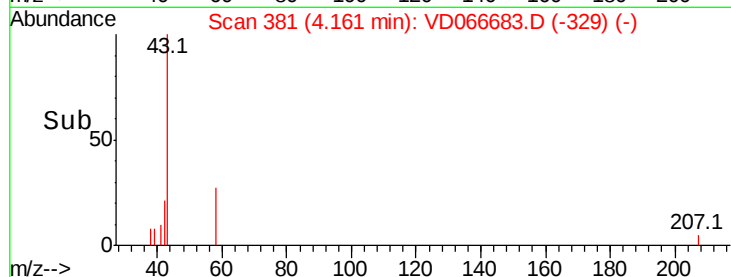
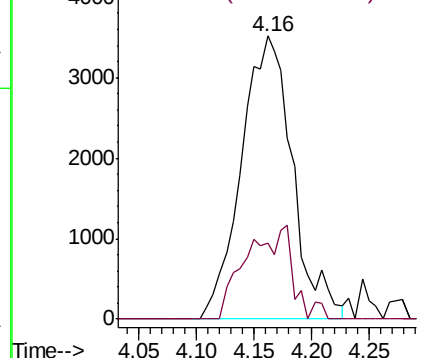
43 100

58 27.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 3.402 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066683.D

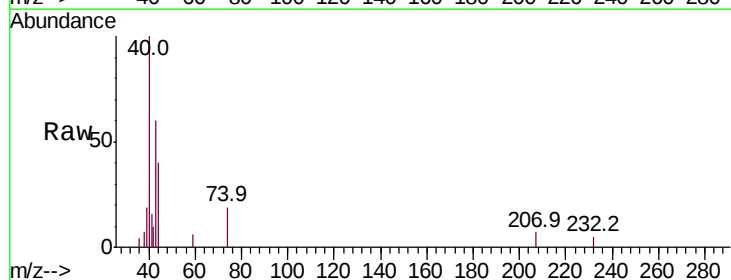
Acq: 14 Sep 2020 21:31

Tgt Ion: 43 Resp: 7252

Ion Ratio Lower Upper

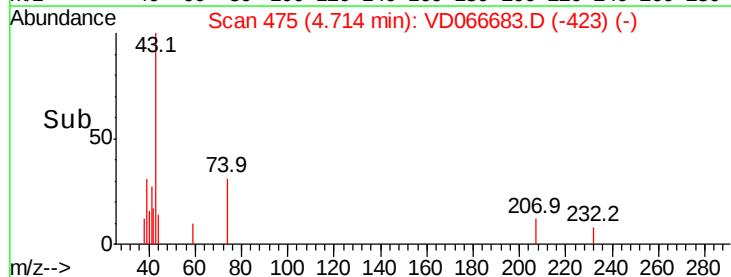
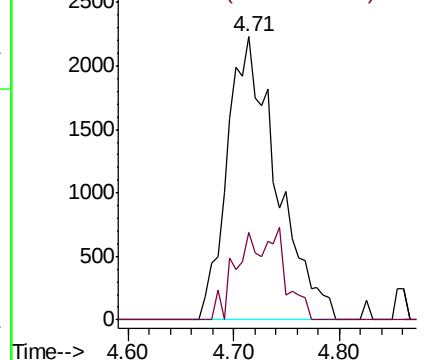
43 100

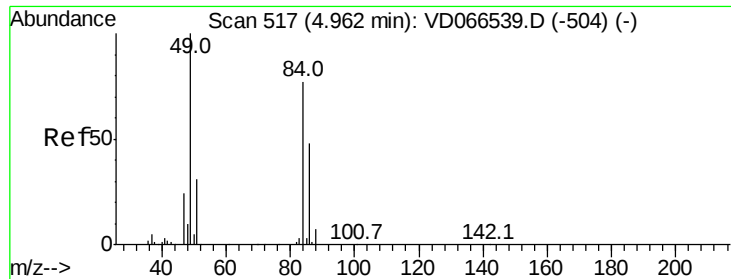
74 16.1 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

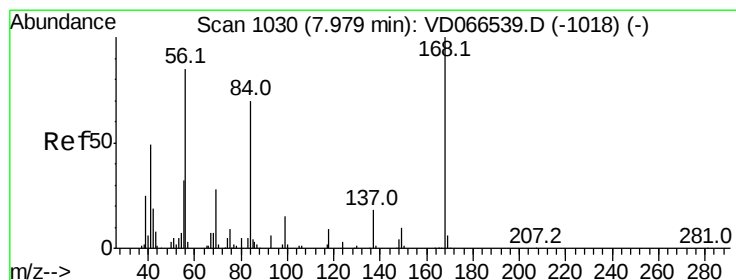
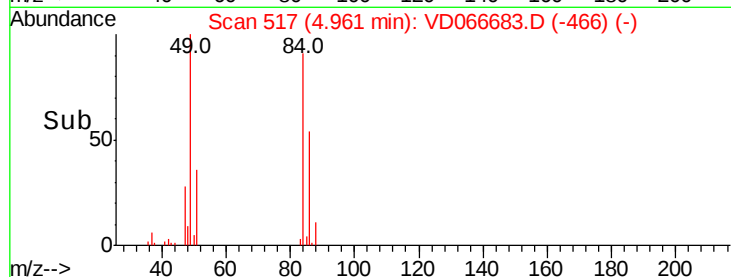
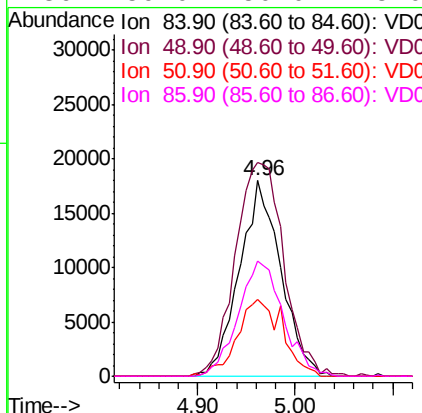
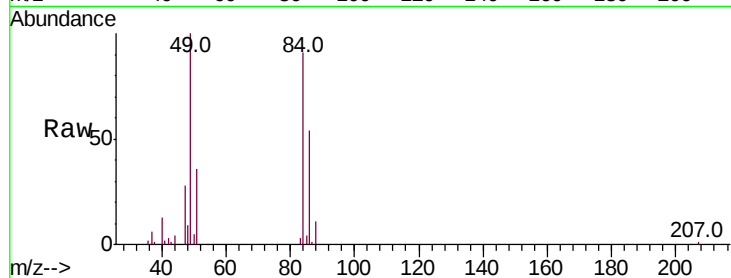




#20
Methvlene Chloride
Concen: 4.997 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

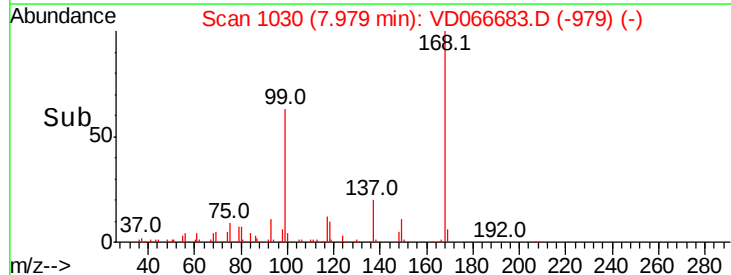
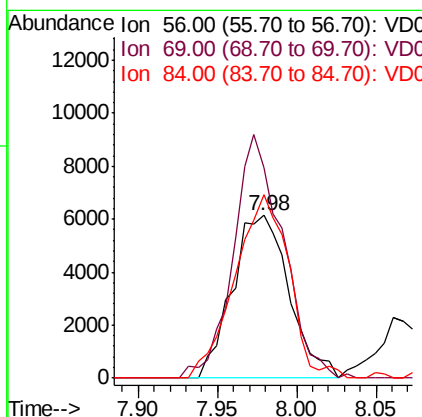
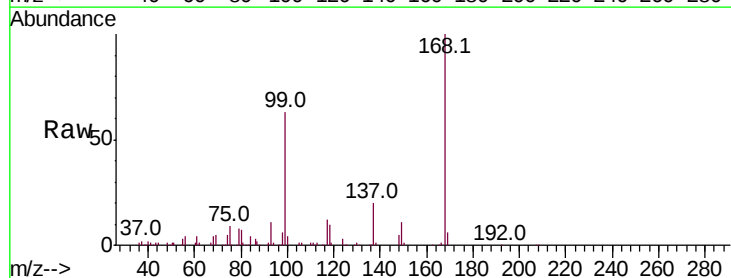
Instrument :
MSVOA_D
ClientSampleId :

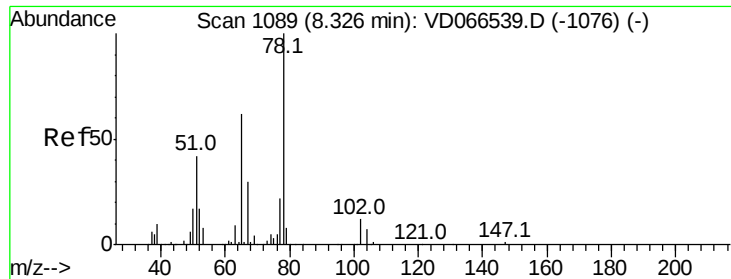
Tot Ion: 84 Resp: 53383
Ion Ratio Lower Upper
84 100
49 109.3 104.3 156.5
51 39.5 32.2 48.4
86 59.0 50.0 75.0



#31
Cyclohexane
Concen: 1.927 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

Tgt Ion: 56 Resp: 15275
Ion Ratio Lower Upper
56 100
69 129.2 26.3 39.5#
84 112.8 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 56.496 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

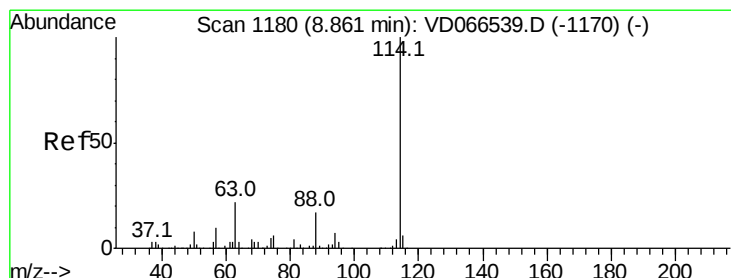
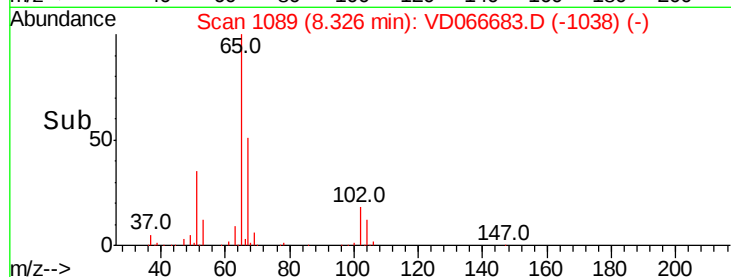
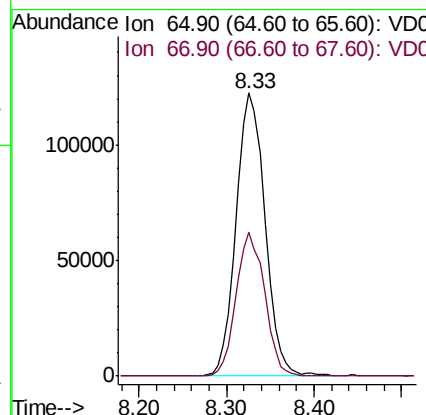
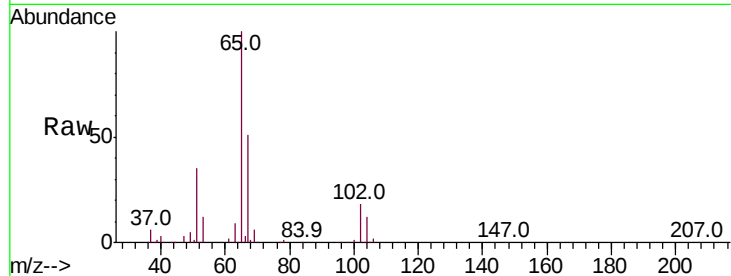
Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 274570

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

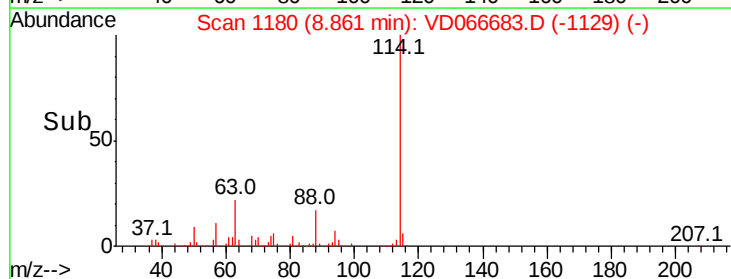
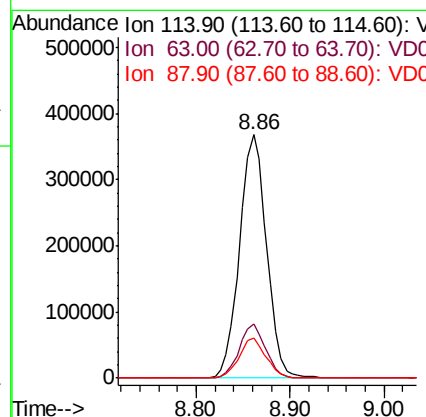
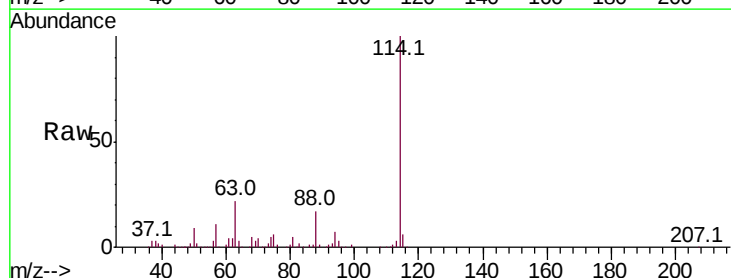
Delta R.T. -0.00 min

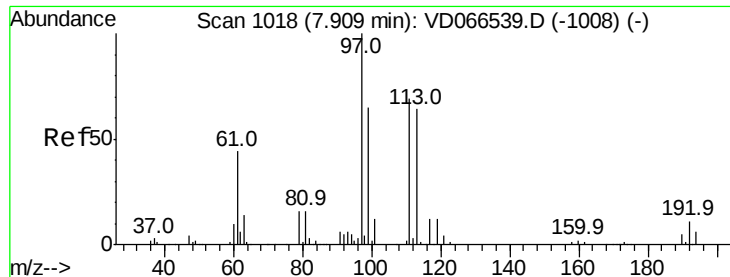
Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Tgt Ion: 114 Resp: 736213

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	16.6	0.0	33.2

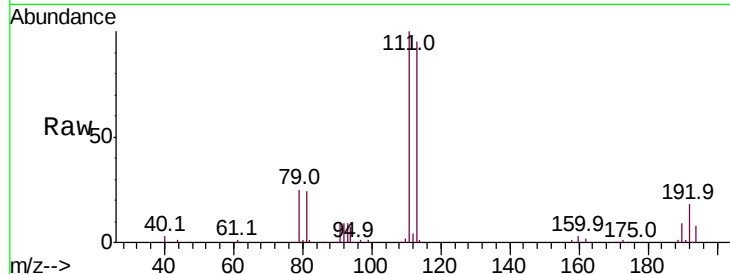




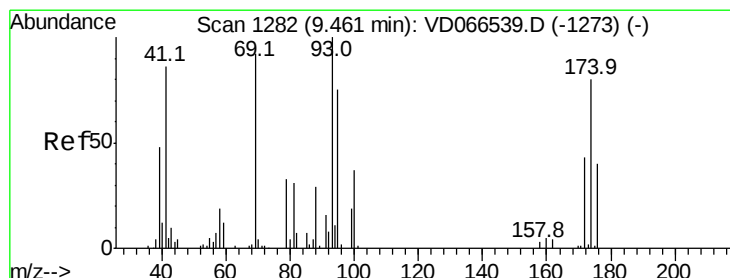
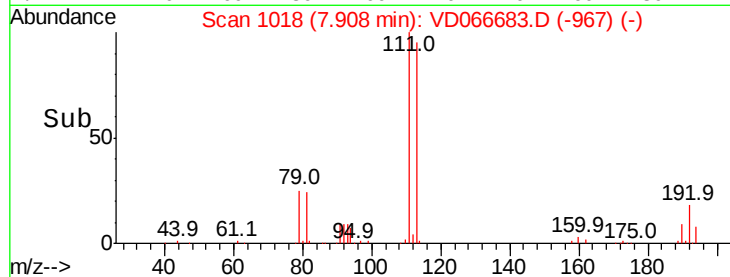
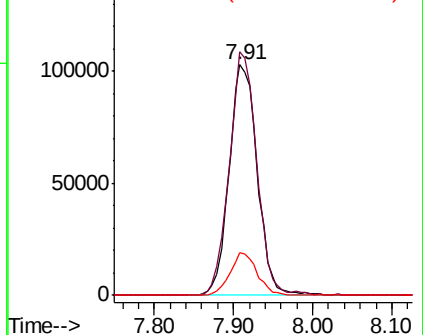
#35
 Dibromofluoromethane
 Concen: 51.036 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066683.D
 Acq: 14 Sep 2020 21:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 253471
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 17.8 13.7 20.5

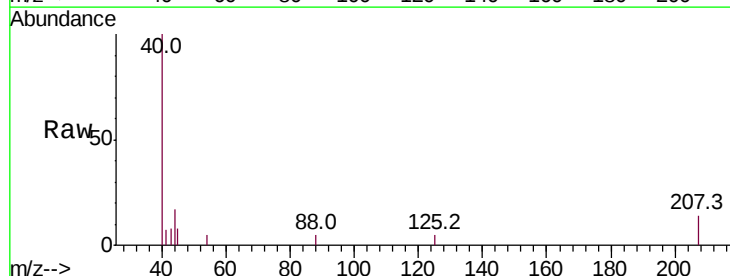


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

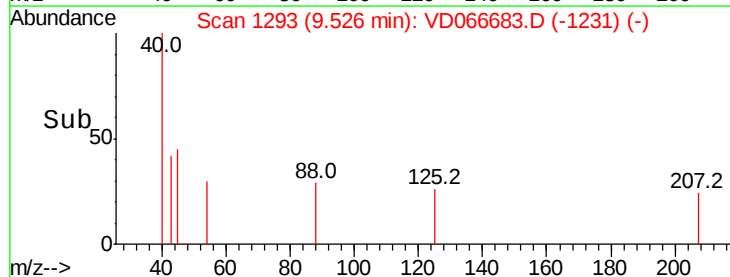
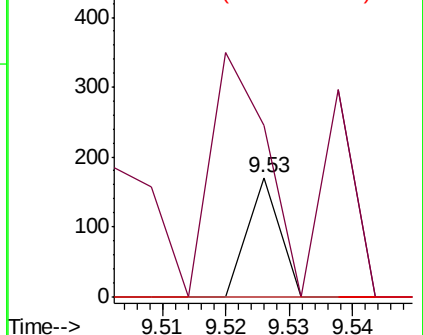


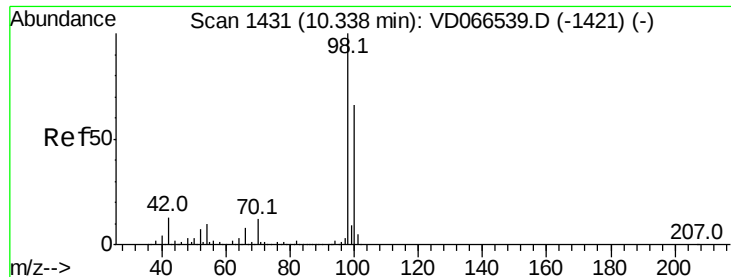
#49
 1,4-Dioxane
 Concen: 1.879 ug/l
 RT: 9.53 min Scan# 1293
 Delta R.T. 0.06 min
 Lab File: VD066683.D
 Acq: 14 Sep 2020 21:31

Tgt Ion: 88 Resp: 60
 Ion Ratio Lower Upper
 88 100
 43 350.0 28.3 42.5#
 58 0.0 56.1 84.1#



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

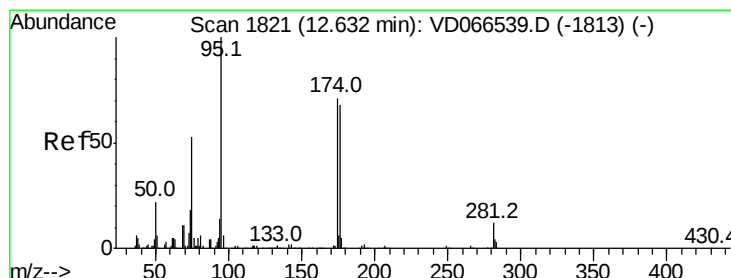
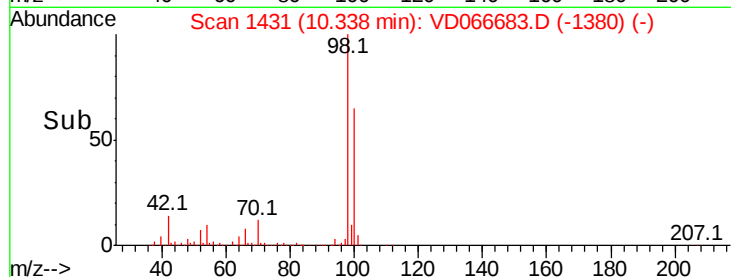
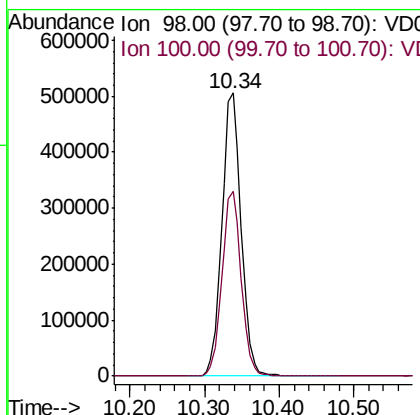
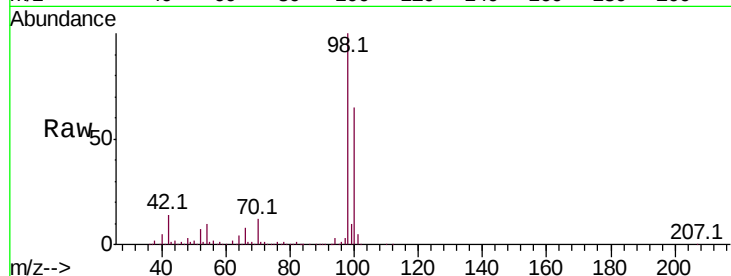




#50
Toluene-d8
Concen: 51.123 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

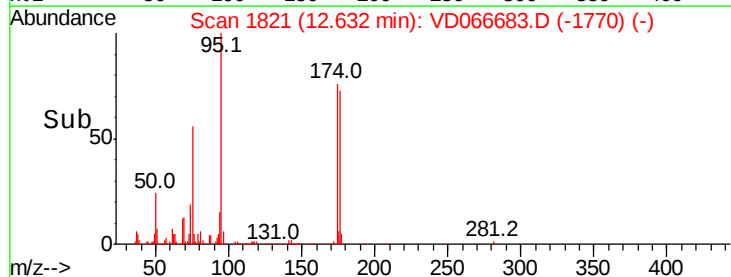
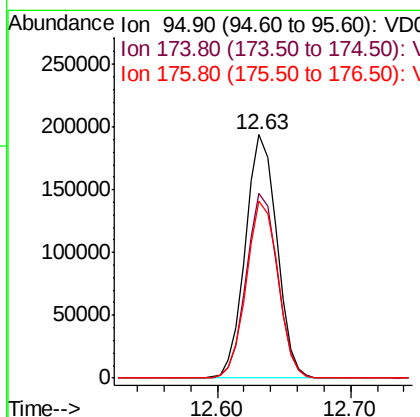
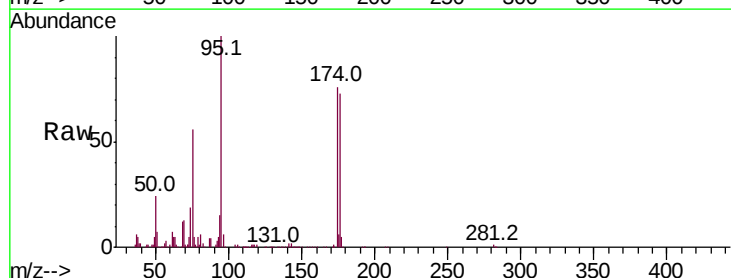
Instrument :
MSVOA_D
ClientSampleId :

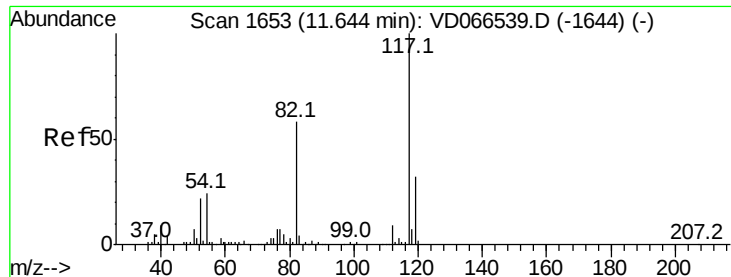
Tot Ion: 98 Resp: 907492
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 53.622 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

Tgt Ion: 95 Resp: 315623
Ion Ratio Lower Upper
95 100
174 75.5 0.0 155.8
176 72.9 0.0 148.6

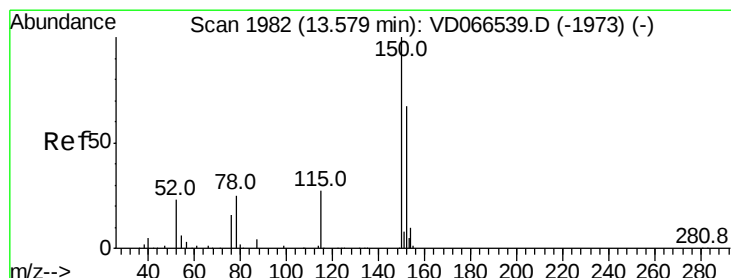
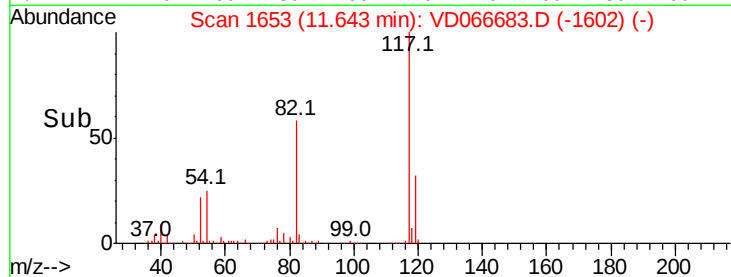
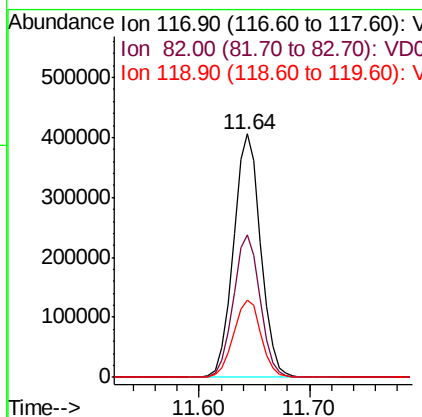
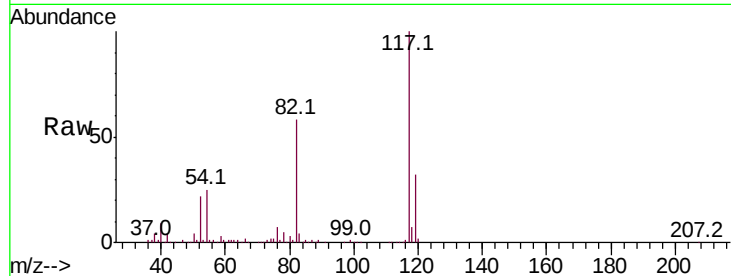




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

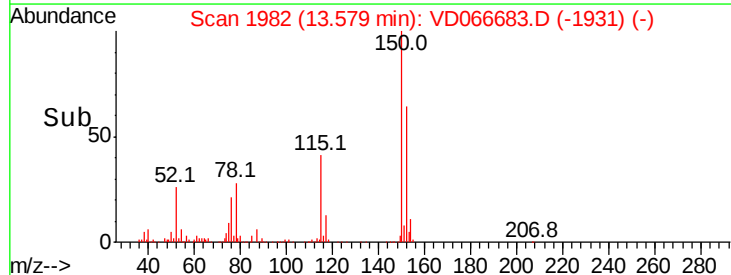
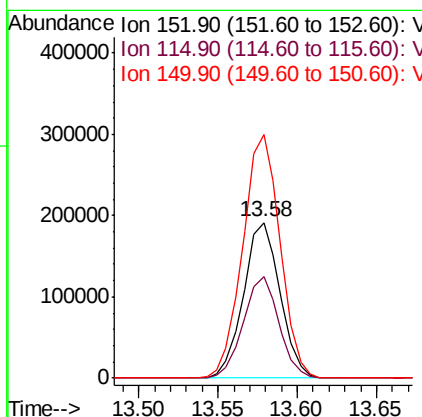
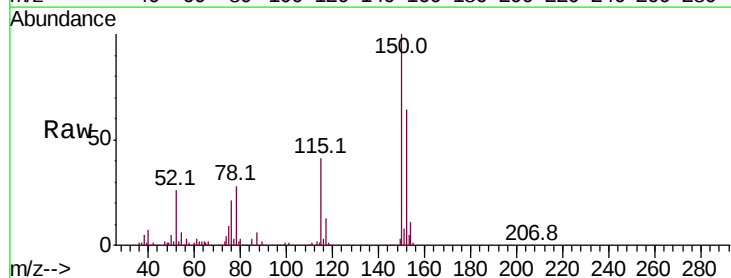
Instrument :
MSVOA_D
ClientSampleId :

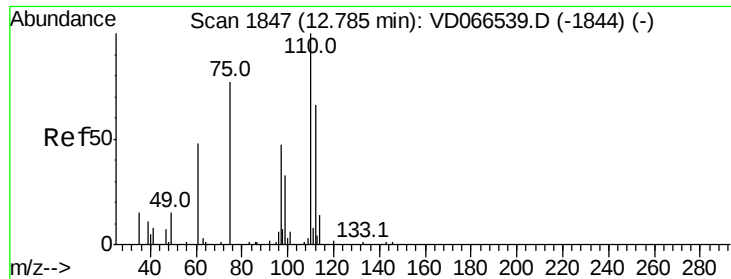
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.2	69.2
119	31.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066683.D
Acq: 14 Sep 2020 21:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.4	91.2
150	159.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 59.954 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

Instrument :

MSVOA_D

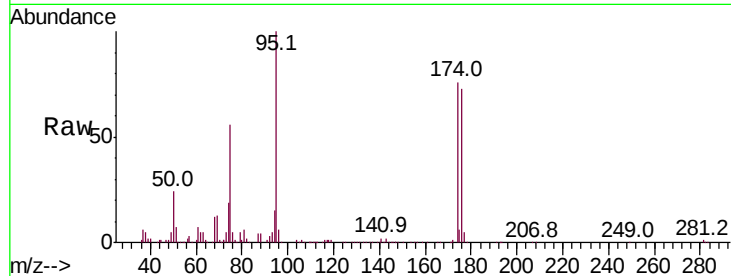
ClientSampleId :

Tot Ion: 75 Resp: 176892

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

120000

100000

80000

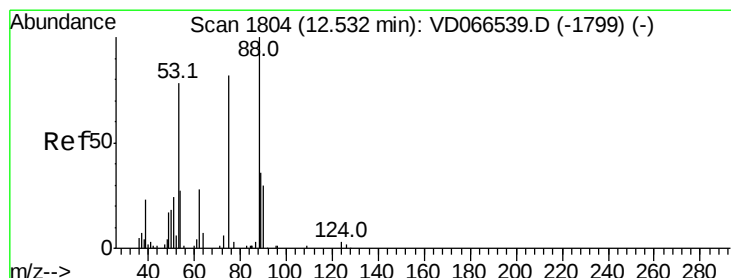
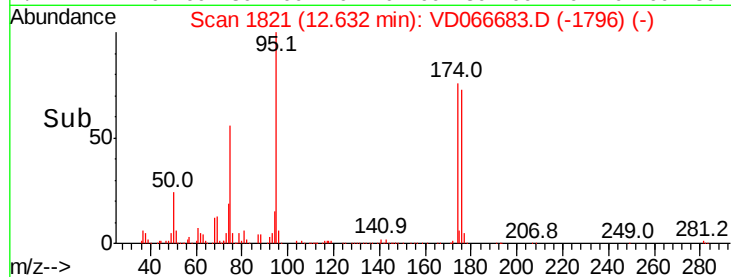
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 139.972 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066683.D

Acq: 14 Sep 2020 21:31

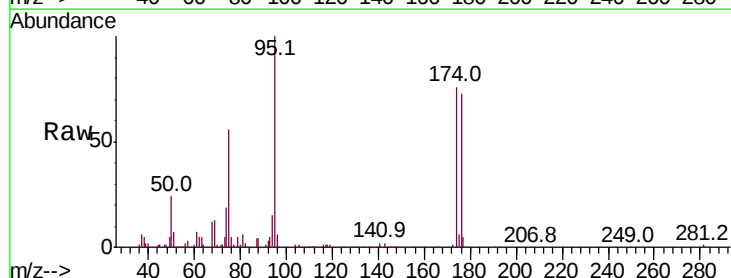
Tgt Ion: 75 Resp: 176892

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

