

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066835.D
 Acq On : 23 Sep 2020 15:28
 Operator : VA/SY
 Sample : L4105-01RE
 Misc : 5.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MTB-SPRE

Quant Time: Sep 23 16:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	377518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	683183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	663706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287470	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	214091	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
35) Dibromofluoromethane	7.91	113	218304	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
50) Toluene-d8	10.34	98	831738	56.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.32%	
62) 4-Bromofluorobenzene	12.63	95	279050	55.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.08%	

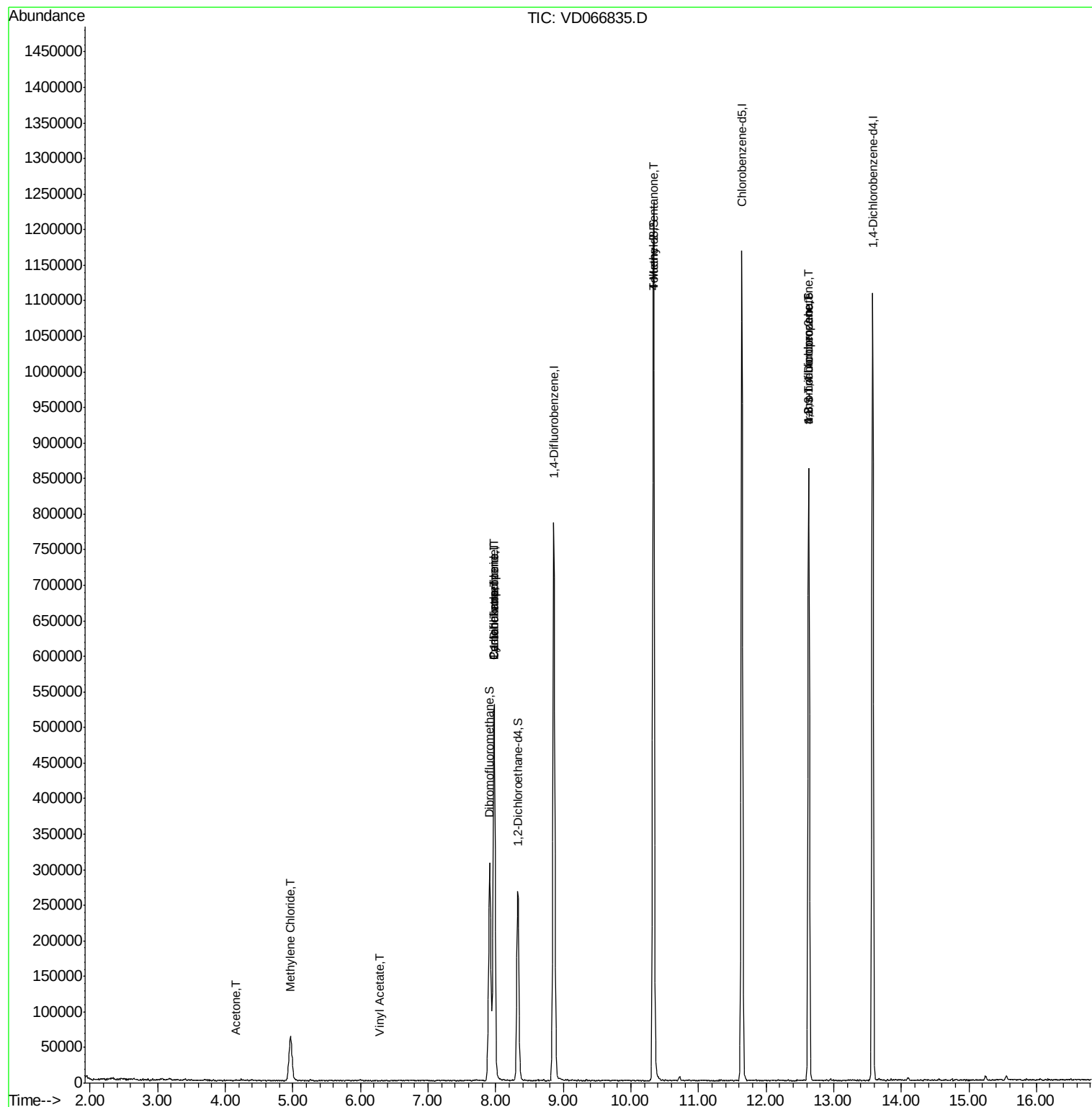
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	255	Below Cal	#	46
16) Acetone	4.16	43	827	1.055	ug/l #	43
18) Methyl Acetate	4.69	43	248	Below Cal	#	50
20) Methylene Chloride	4.97	84	49067	6.539	ug/l	94
23) Vinyl Acetate	6.29	43	57	2.681	ug/l #	71
31) Cyclohexane	7.98	56	9635	1.434	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	31875	4.703	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41199	5.560	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	3807	1.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	144548	60.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	144548	151.804	ug/l #	10

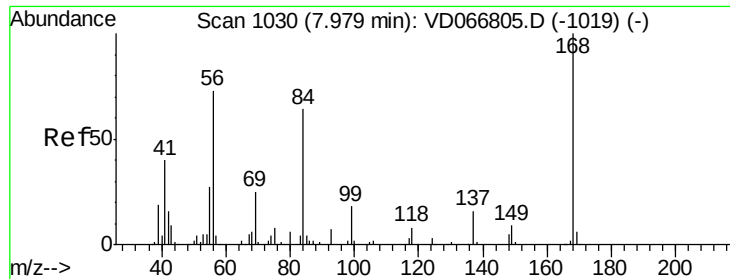
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
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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: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

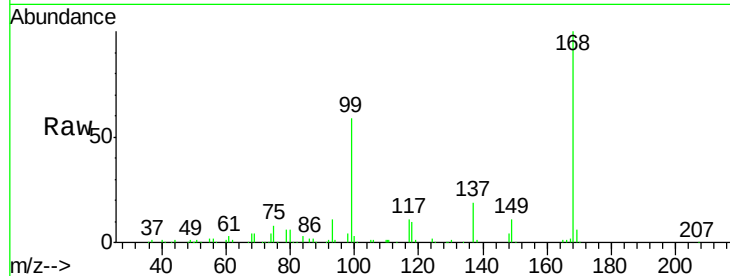
MTB-SPRE

Tgt Ion:168 Resp: 377518

Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

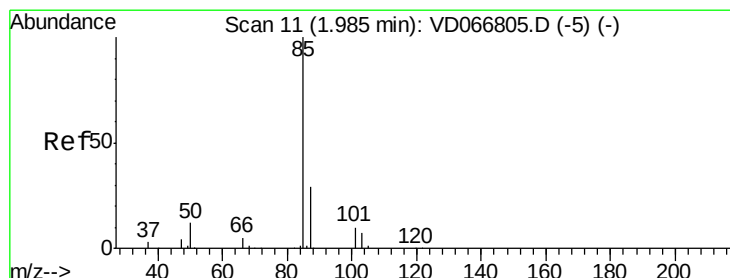
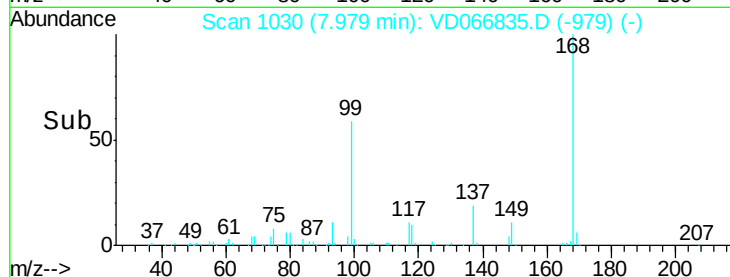
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066835.D

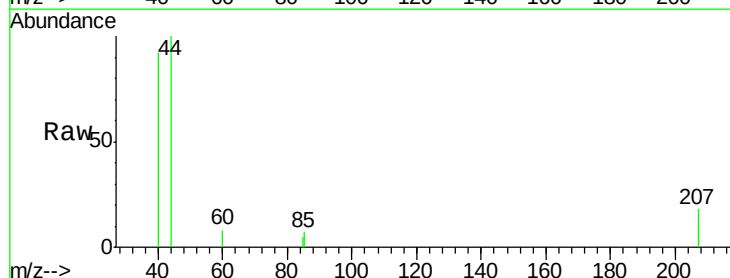
Acq: 23 Sep 2020 15:28

Tgt Ion: 85 Resp: 255

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

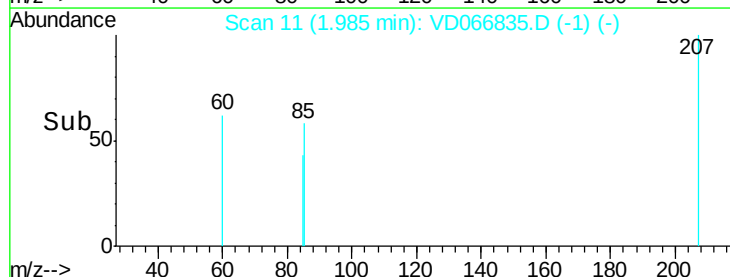
300

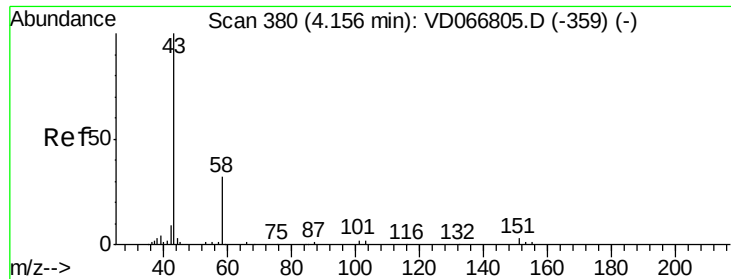
200

100

0

Time-->





#16

Acetone

Concen: 1.055 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

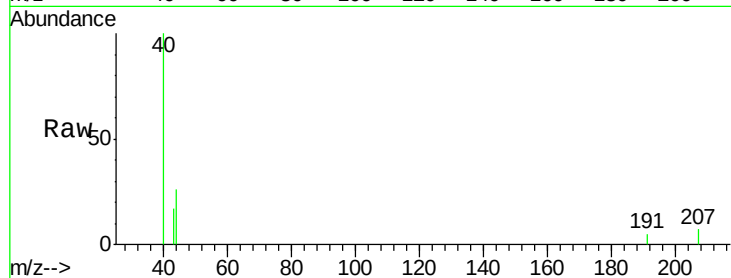
MTB-SPRE

Tgt Ion: 43 Resp: 827

Ion Ratio Lower Upper

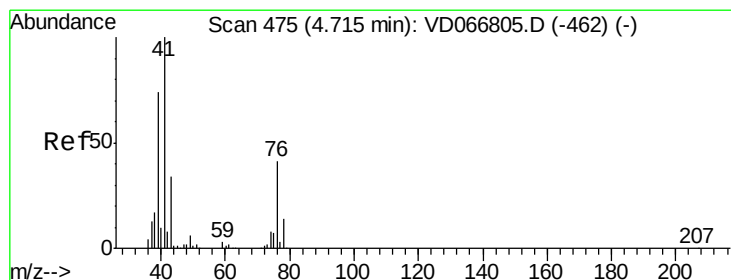
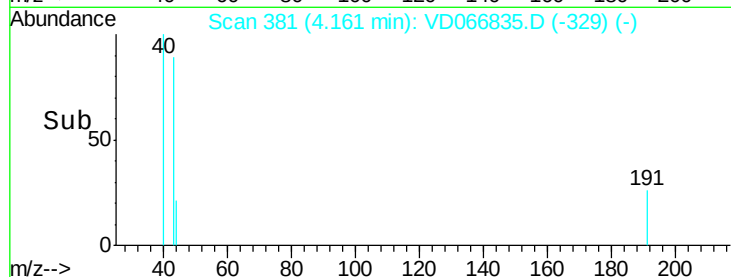
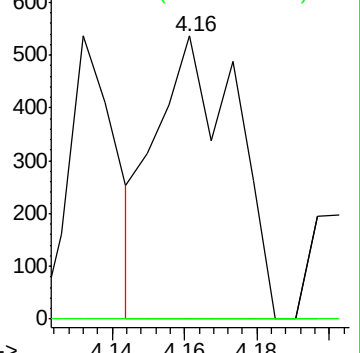
43 100

58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD066835.D

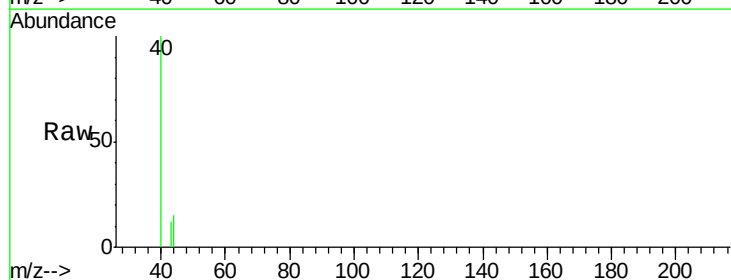
Acq: 23 Sep 2020 15:28

Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

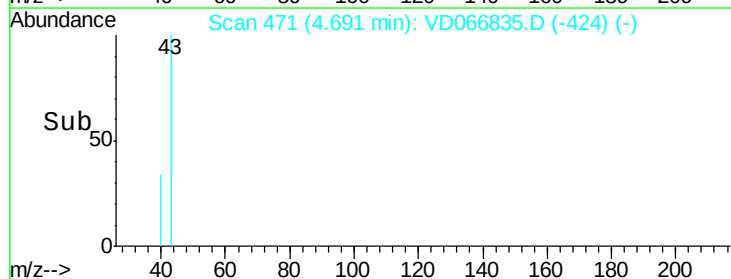
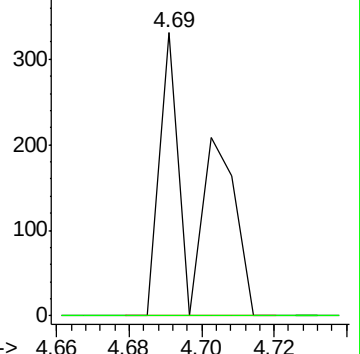
43 100

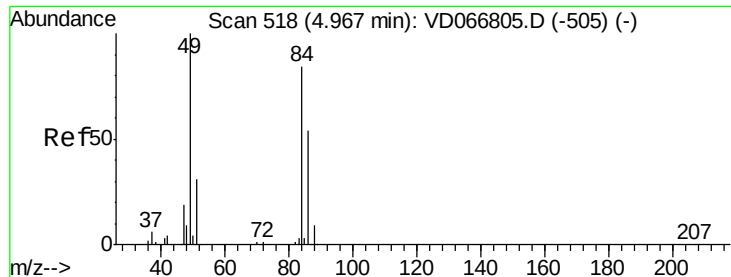
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

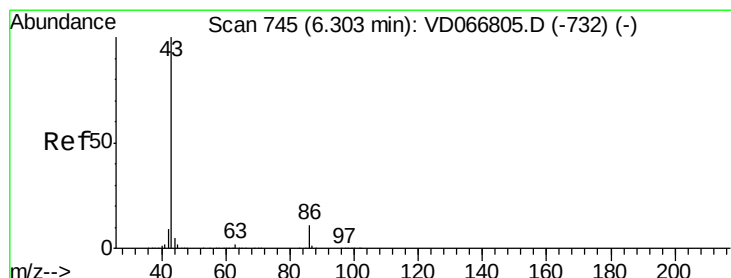
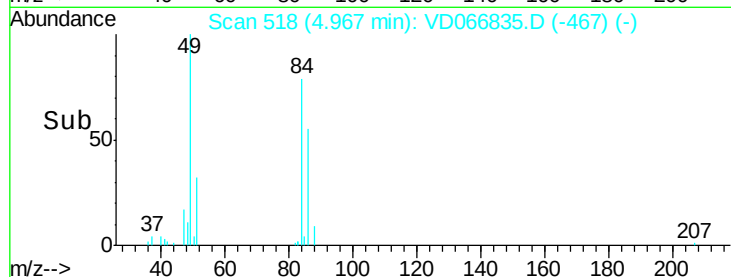
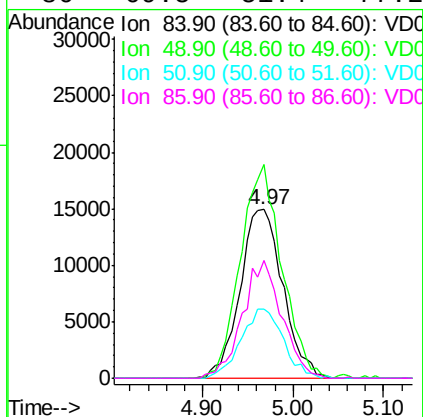
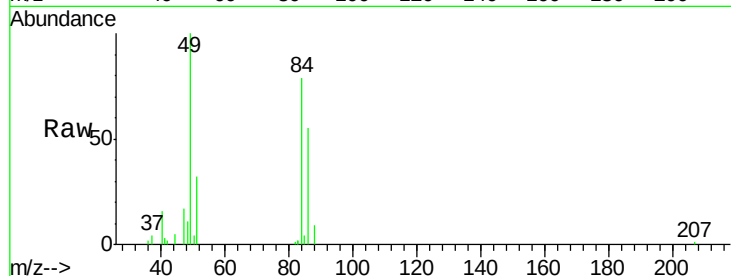




#20
Methylene Chloride
Concen: 6.539 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066835.D
Acq: 23 Sep 2020 15:28

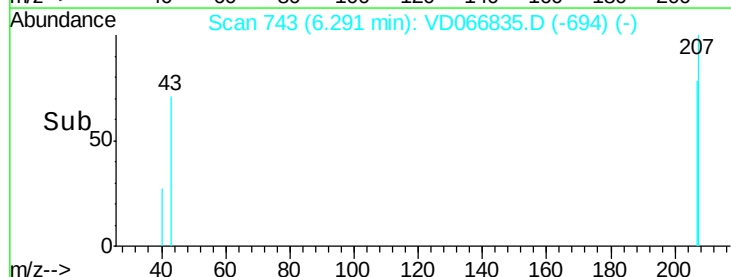
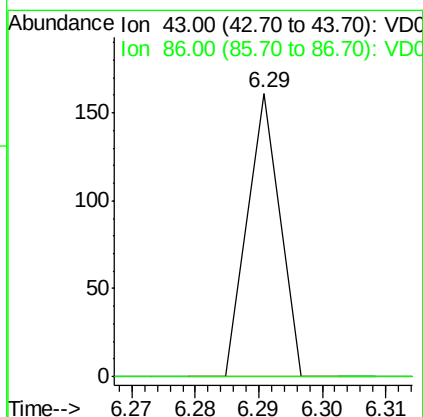
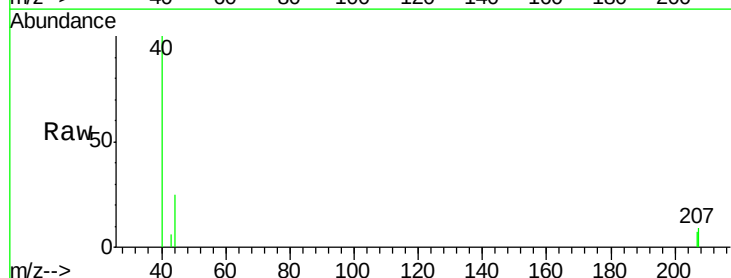
Instrument :
MSVOA_D
ClientSampleId :
MTB-SPRE

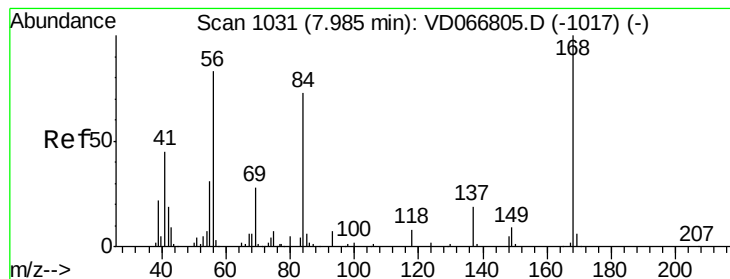
Tgt Ion:	84	Resp:	49067
Ion	Ratio	Lower	Upper
84	100		
49	126.5	95.4	143.2
51	40.8	29.7	44.5
86	69.5	51.4	77.2



#23
Vinyl Acetate
Concen: 2.681 ug/l
RT: 6.29 min Scan# 743
Delta R.T. -0.01 min
Lab File: VD066835.D
Acq: 23 Sep 2020 15:28

Tgt Ion:	43	Resp:	57
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#31

Cyclohexane

Concen: 1.434 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

MTB-SPRE

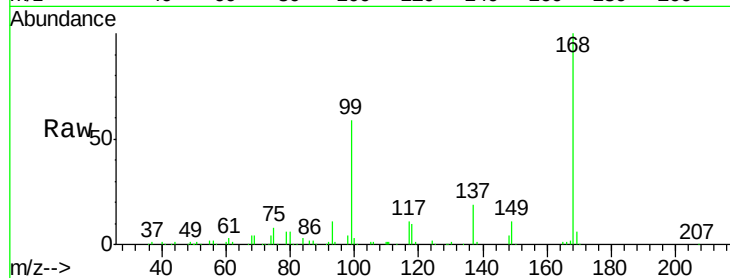
Tgt Ion: 56 Resp: 9635

Ion Ratio Lower Upper

56 100

69 166.2 27.0 40.4#

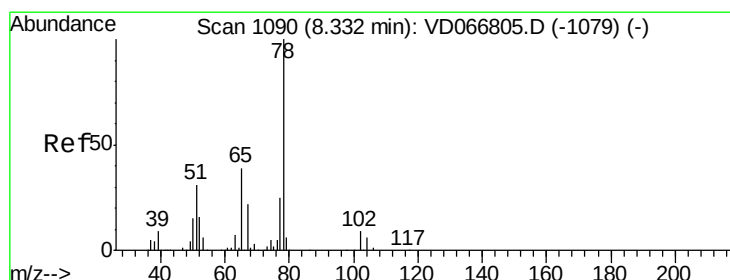
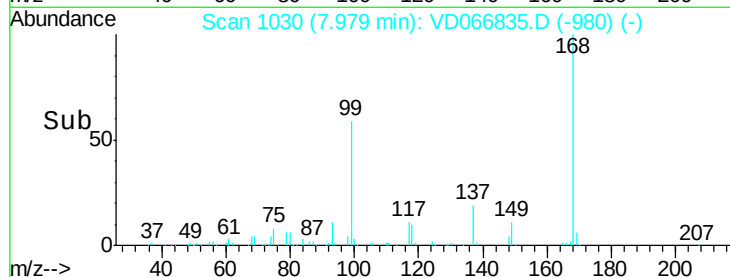
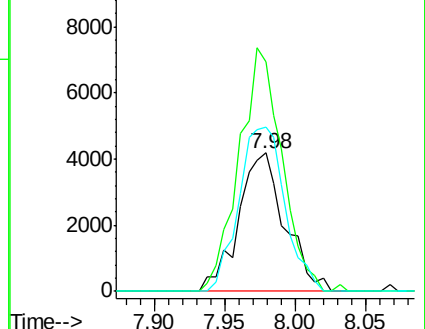
84 119.3 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 57.941 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066835.D

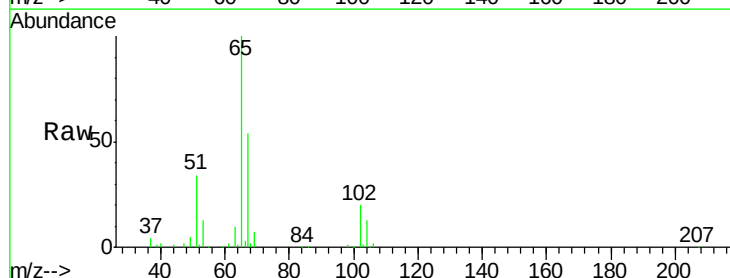
Acq: 23 Sep 2020 15:28

Tgt Ion: 65 Resp: 214091

Ion Ratio Lower Upper

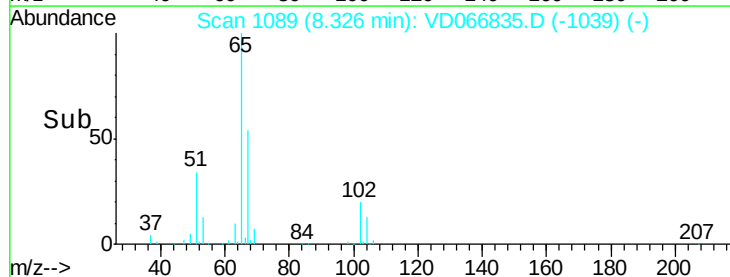
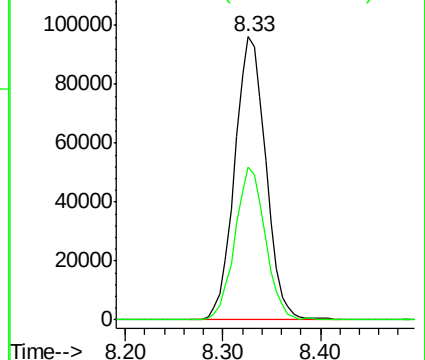
65 100

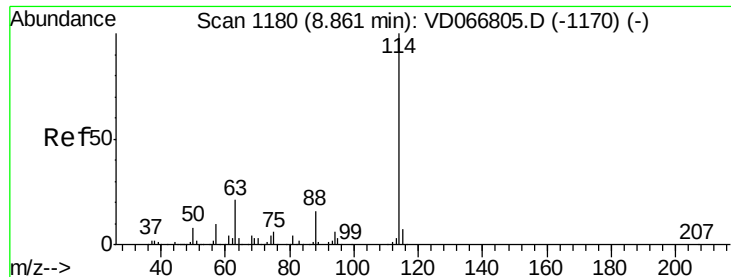
67 52.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

MTB-SPRE

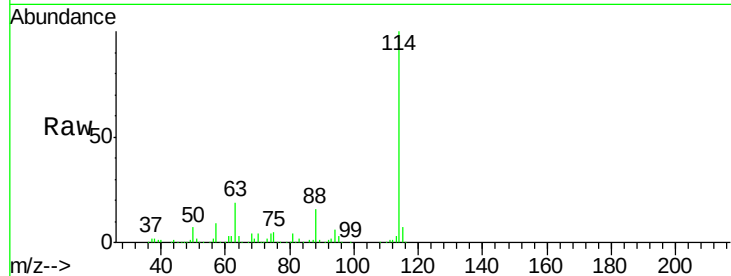
Tgt Ion:114 Resp: 683183

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

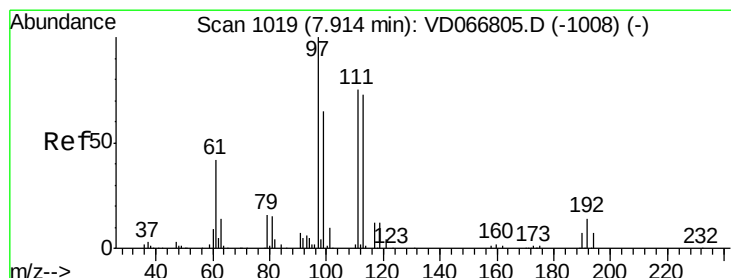
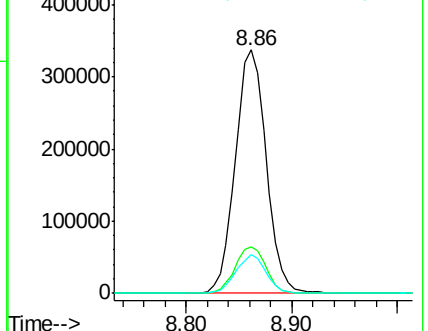
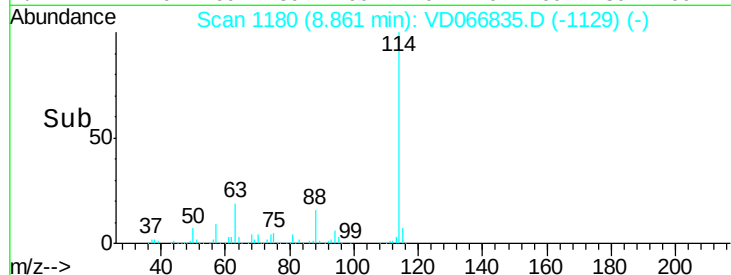
88 16.1 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.226 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

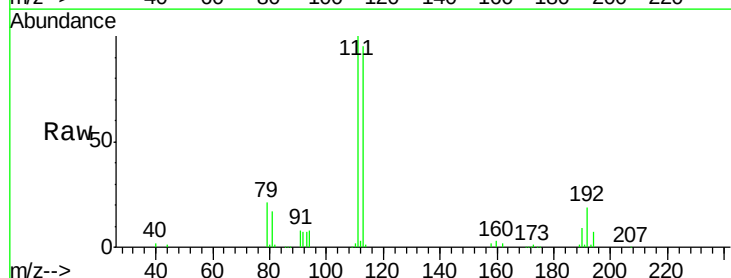
Tgt Ion:113 Resp: 218304

Ion Ratio Lower Upper

113 100

111 105.5 81.8 122.8

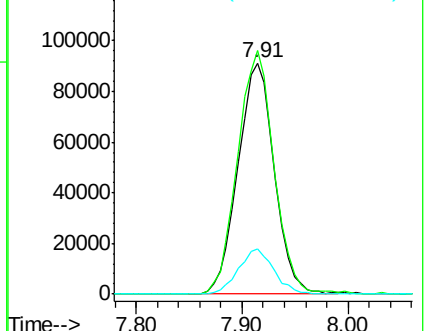
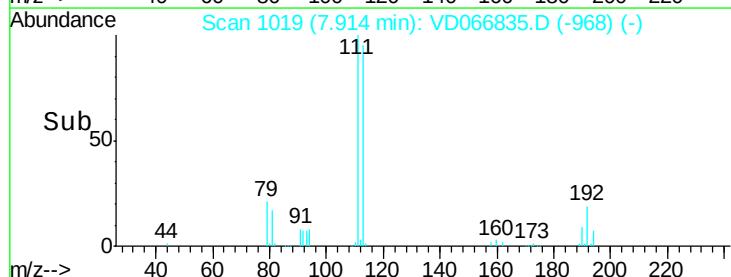
192 19.0 14.4 21.6

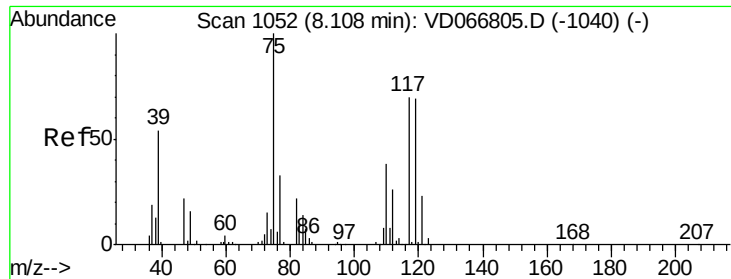


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

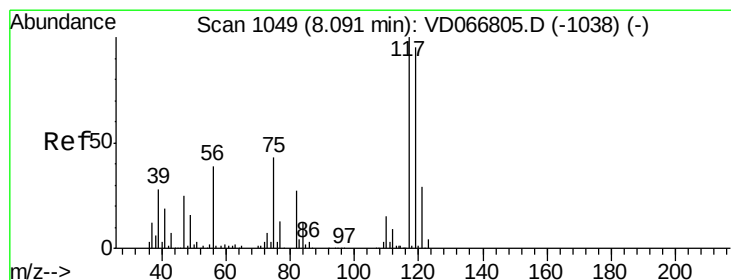
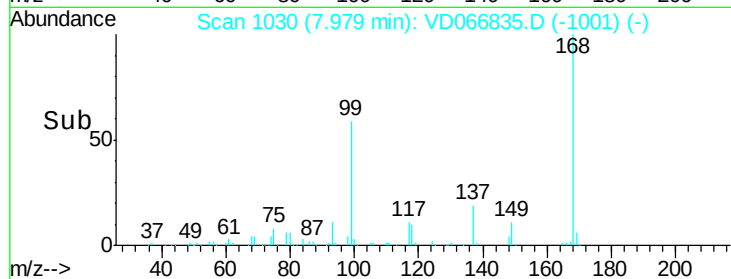
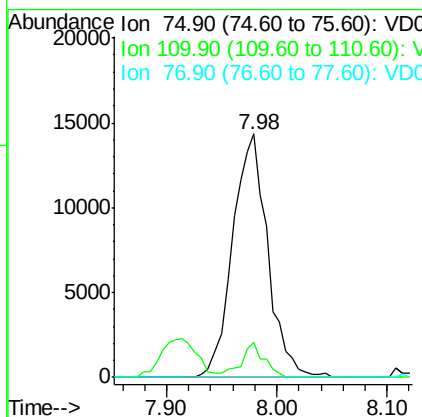
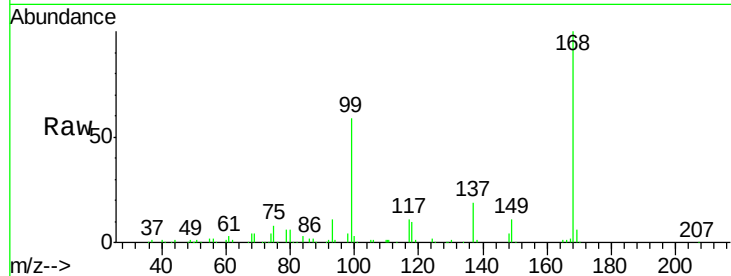




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066835.D
 Acq: 23 Sep 2020 15:28

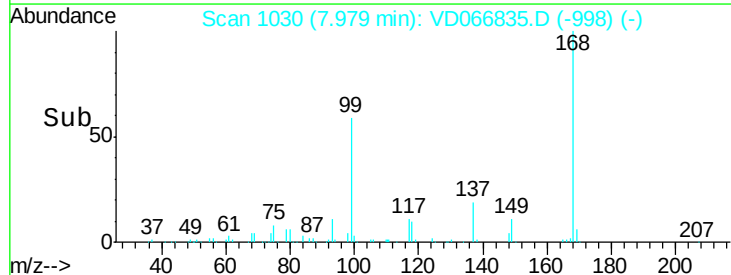
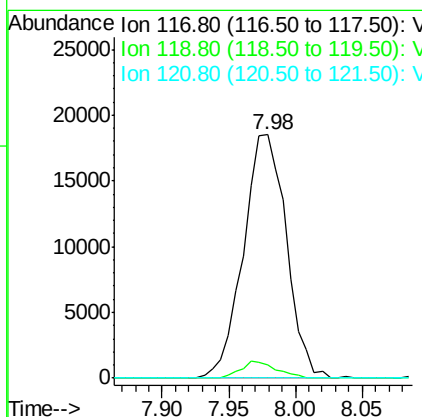
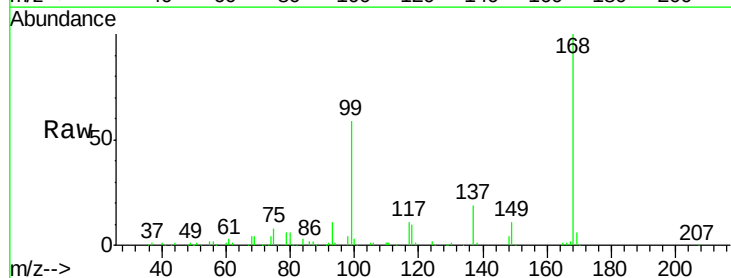
Instrument :
 MSVOA_D
 ClientSampleId :
 MTB-SPRE

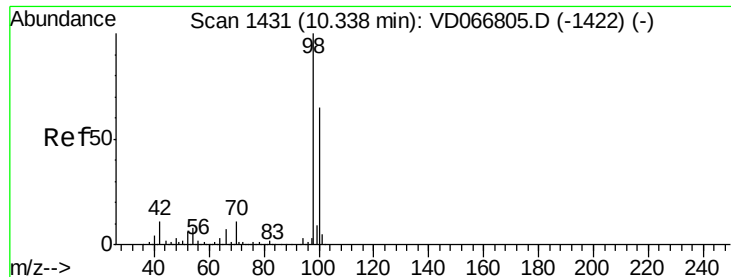
Tgt Ion: 75 Resp: 31875
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.9 53.8#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.560 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066835.D
 Acq: 23 Sep 2020 15:28

Tgt Ion: 117 Resp: 41199
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.8 113.8#
 121 0.0 23.4 35.0#





#50

Toluene-d8

Concen: 56.164 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

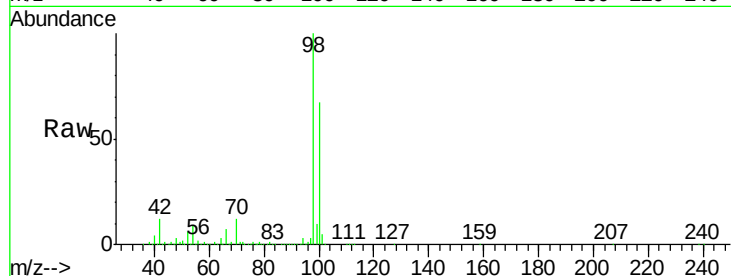
MTB-SPRE

Tgt Ion: 98 Resp: 831738

Ion Ratio Lower Upper

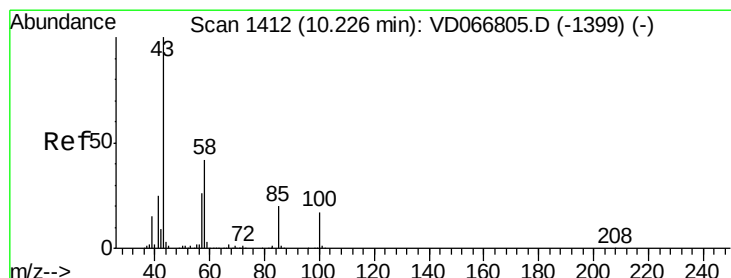
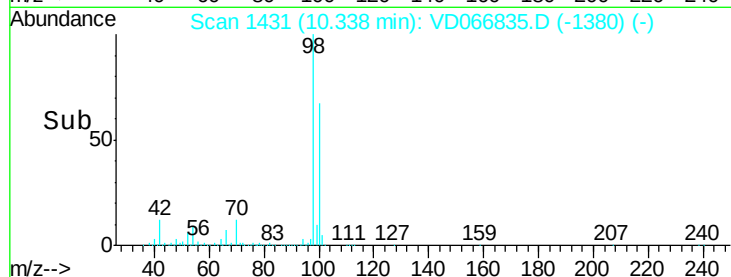
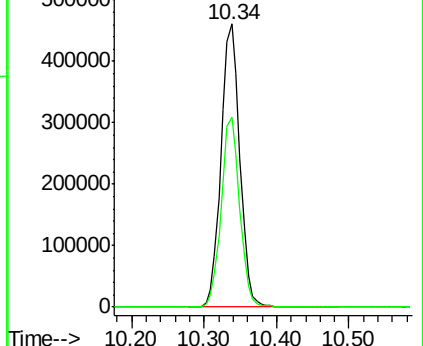
98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066835.D

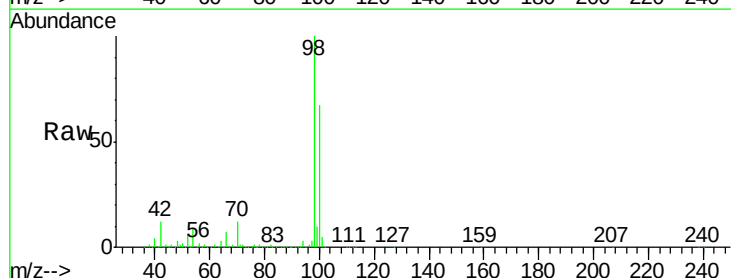
Acq: 23 Sep 2020 15:28

Tgt Ion: 43 Resp: 3807

Ion Ratio Lower Upper

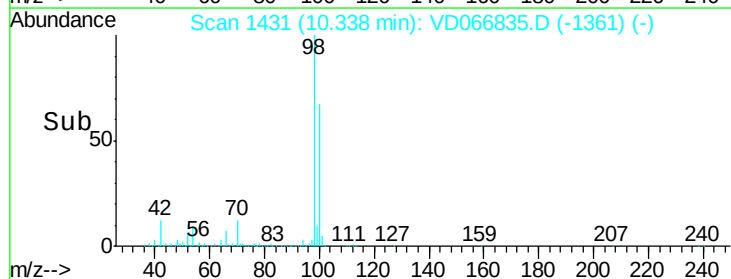
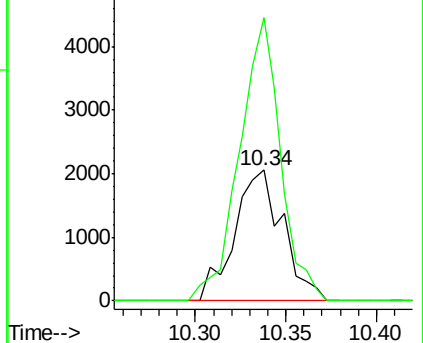
43 100

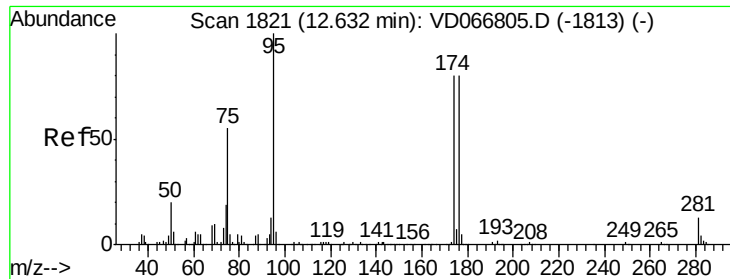
58 184.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

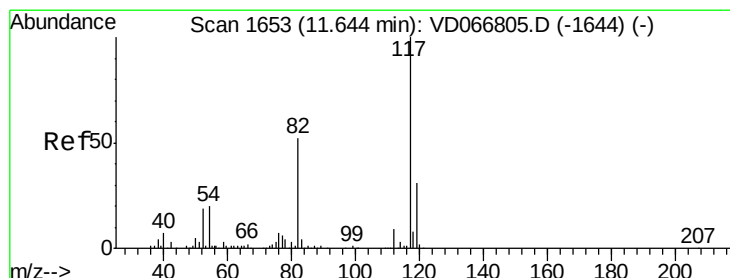
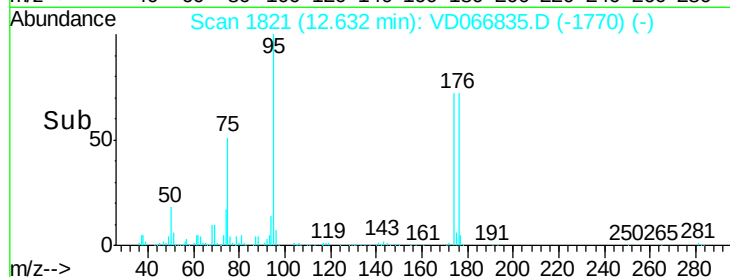
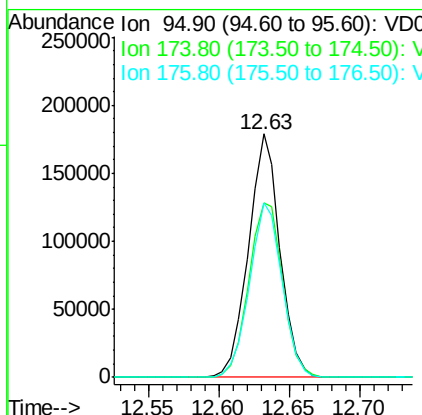
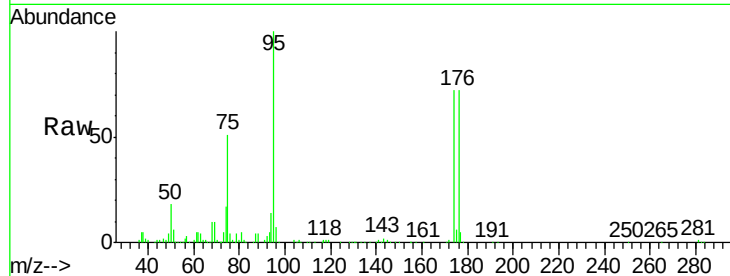




#62
4-Bromofluorobenzene
Concen: 55.043 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066835.D
Acq: 23 Sep 2020 15:28

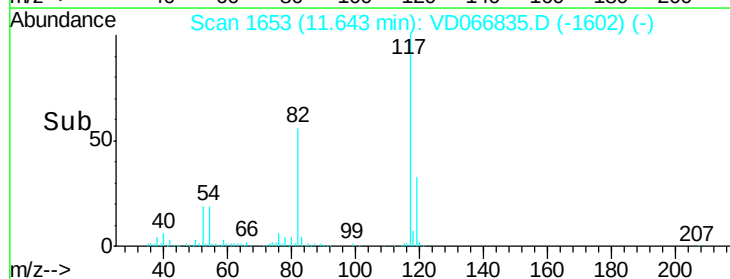
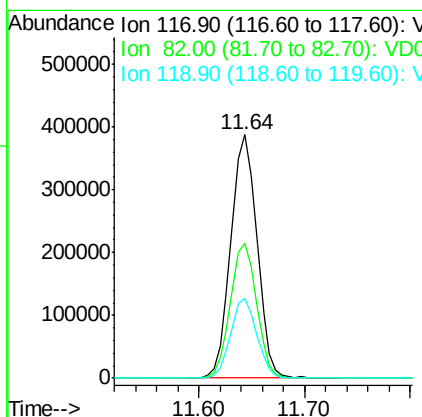
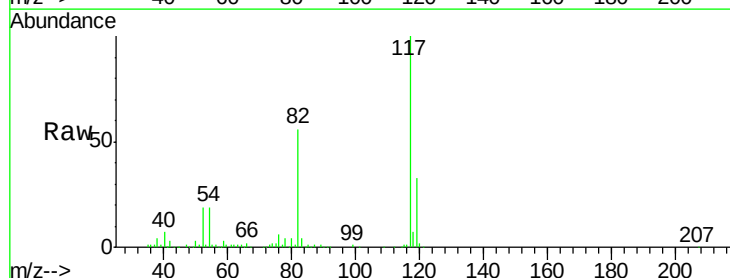
Instrument :
MSVOA_D
ClientSampleId :
MTB-SPRE

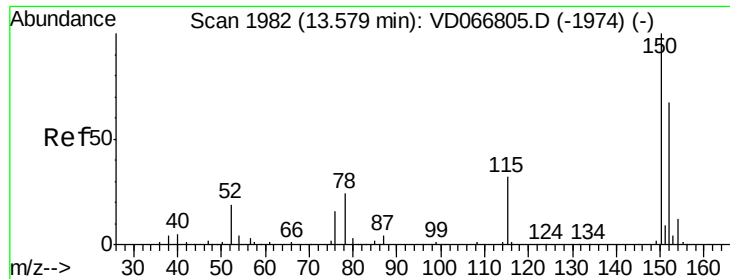
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	159.8
176	74.9	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066835.D
Acq: 23 Sep 2020 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	41.8	62.6
119	32.7	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066835.D

Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

MTB-SPRE

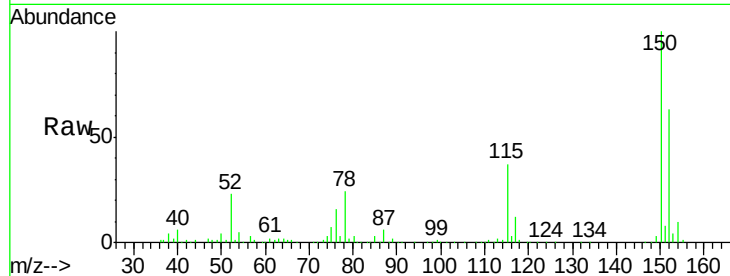
Tgt Ion:152 Resp: 287470

Ion Ratio Lower Upper

152 100

115 60.0 30.3 91.0

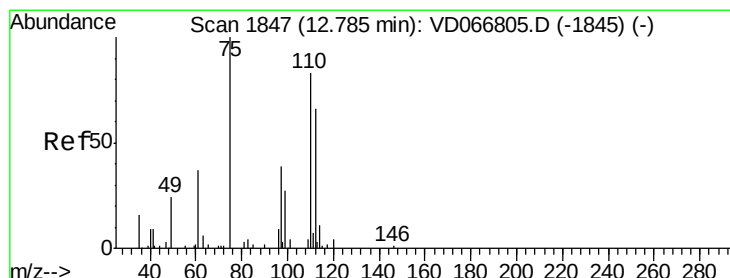
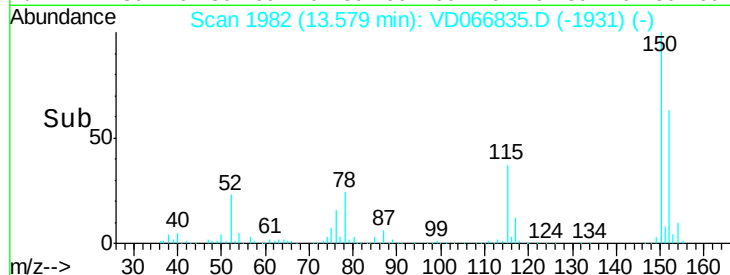
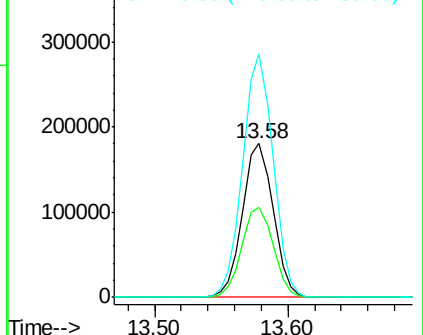
150 156.9 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 60.675 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066835.D

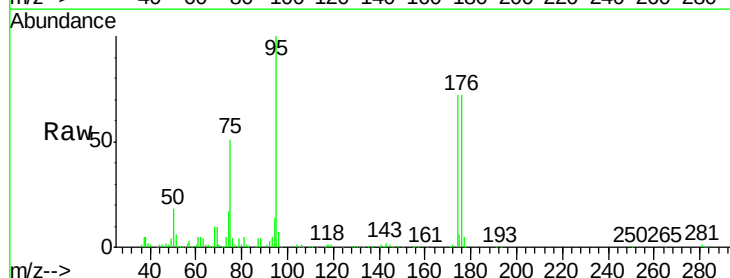
Acq: 23 Sep 2020 15:28

Tgt Ion: 75 Resp: 144548

Ion Ratio Lower Upper

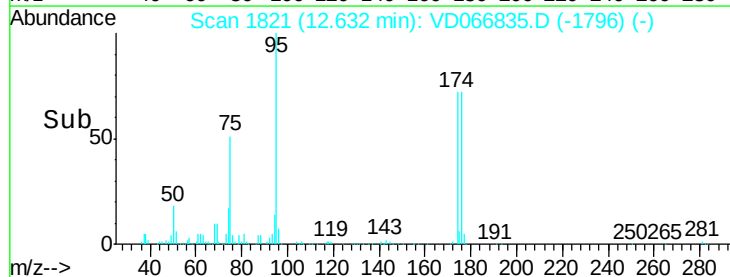
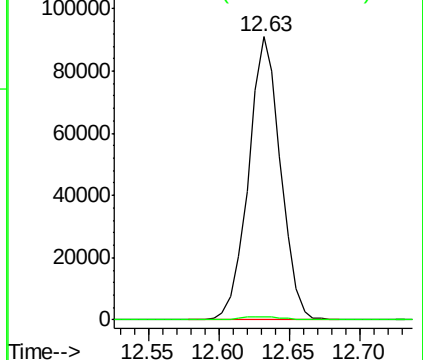
75 100

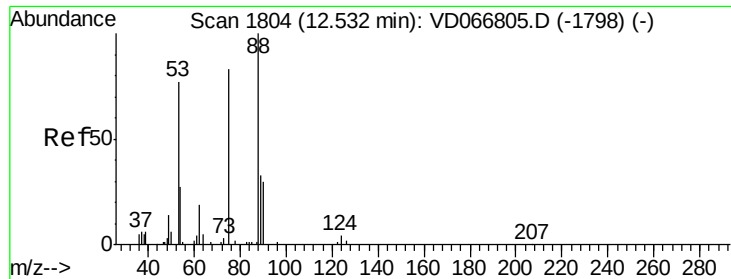
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 151.804 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066835.D

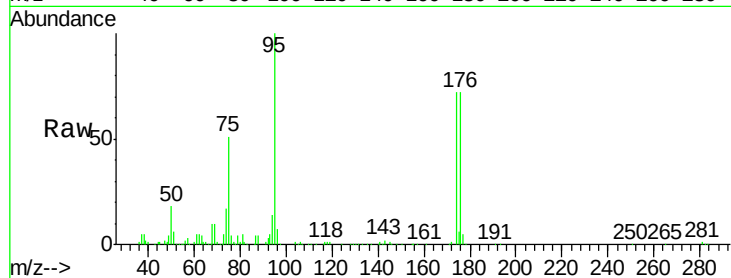
Acq: 23 Sep 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

MTB-SPRE



Tgt Ion: 75 Resp: 144548

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 38.1 57.1#

