

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066825.D
 Acq On : 23 Sep 2020 10:46
 Operator : VA/SY
 Sample : VD0923SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBL01

Quant Time: Sep 23 15:00:41 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	415685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	755834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	740190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335719	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	230622	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
35) Dibromofluoromethane	7.91	113	239142	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
50) Toluene-d8	10.34	98	894781	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.63	95	313180	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	

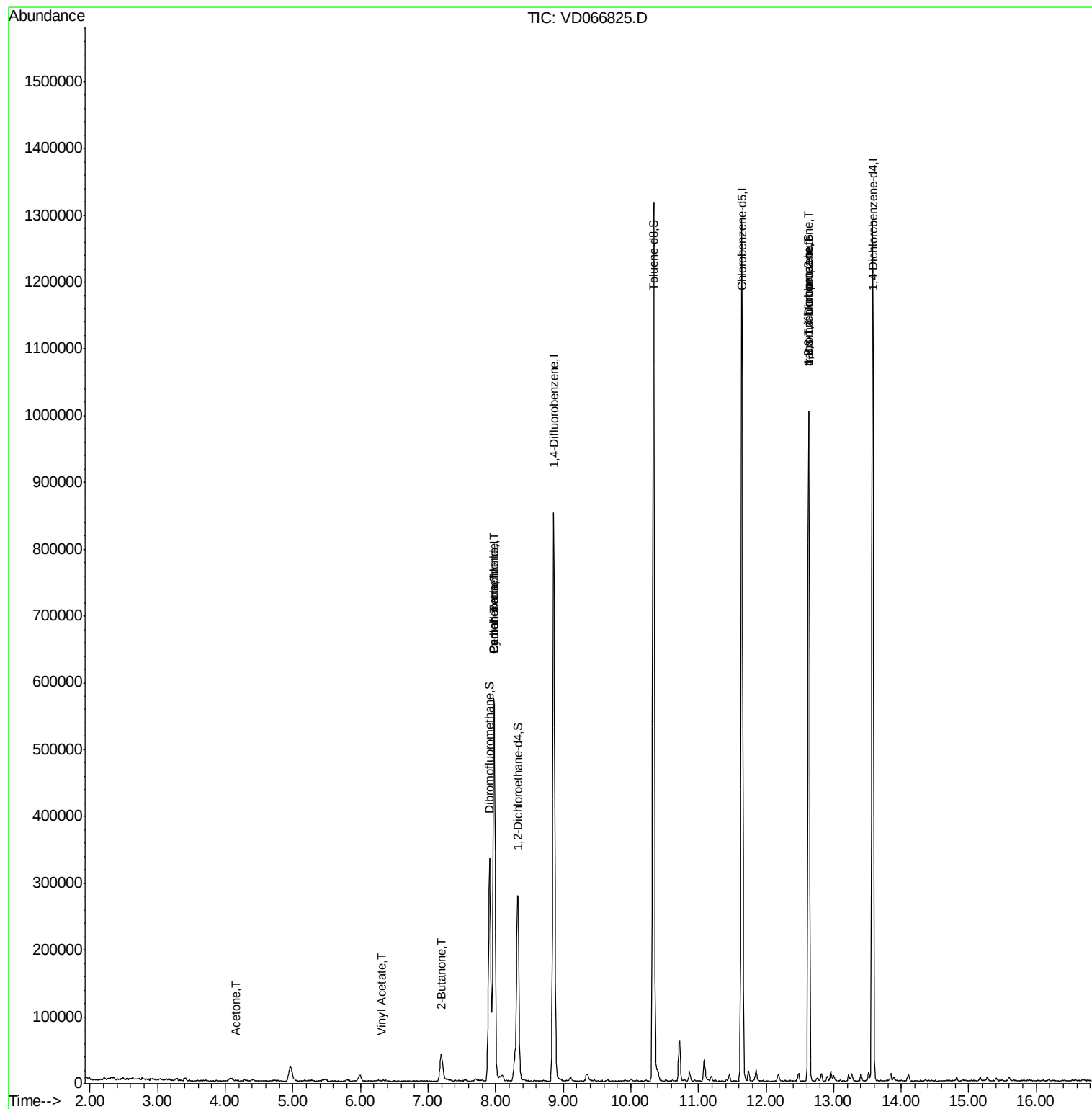
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1822	Below Cal	#	56
11) Tert butyl alcohol	5.21	59	505	Below Cal	#	72
16) Acetone	4.16	43	3016	3.494	ug/l #	43
18) Methyl Acetate	4.71	43	115	Below Cal	#	50
20) Methylene Chloride	4.96	84	18510	Below Cal		85
23) Vinyl Acetate	6.31	43	1105	2.836	ug/l #	71
25) 2-Butanone	7.20	43	2830	2.729	ug/l #	80
31) Cyclohexane	7.97	56	12004	1.623	ug/l #	1
38) Carbon Tetrachloride	7.97	117	44037	5.372	ug/l #	19
49) 1,4-Dioxane	9.47	88	477	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.63	75	167629	60.251	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	167629	150.743	ug/l #	10

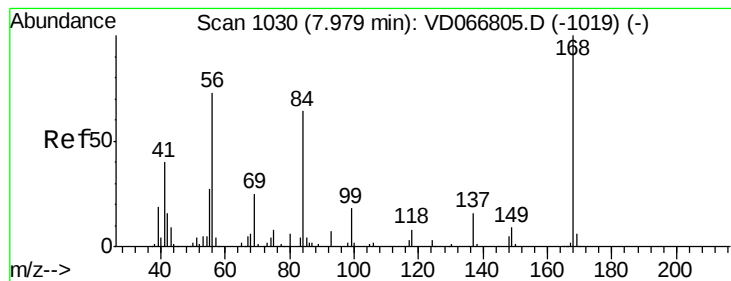
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

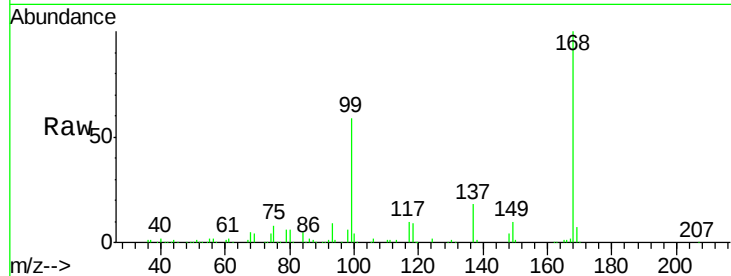
VD0923SBL01

Tgt Ion:168 Resp: 415685

Ion Ratio Lower Upper

168 100

99 59.2 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

200000

150000

100000

50000

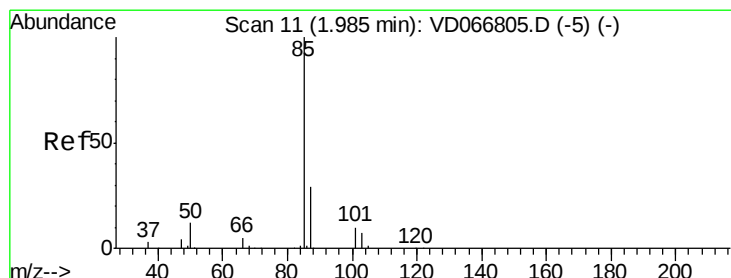
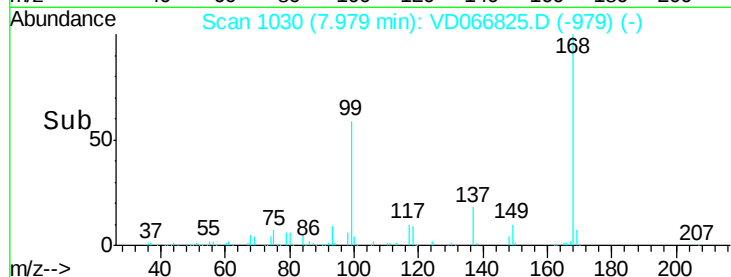
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066825.D

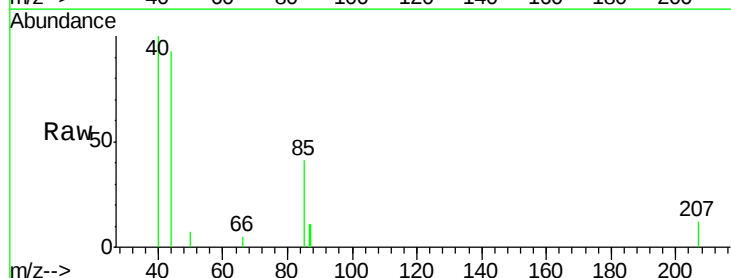
Acq: 23 Sep 2020 10:46

Tgt Ion: 85 Resp: 1822

Ion Ratio Lower Upper

85 100

87 52.3 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

1500

1000

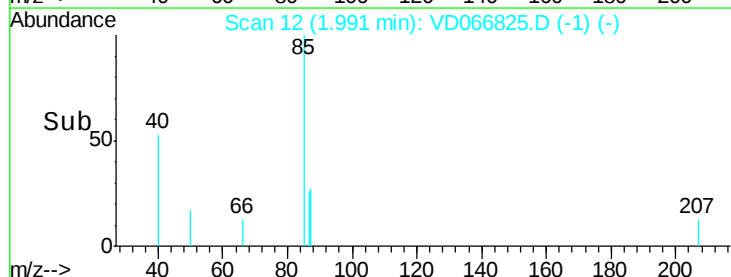
500

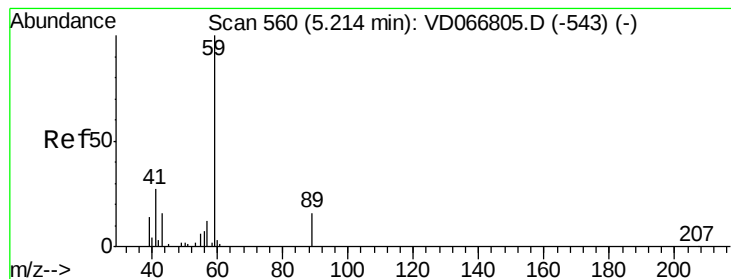
0

1.95

2.00

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

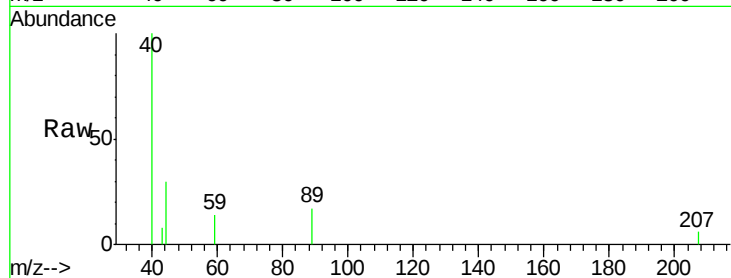
VD0923SBL01

Tgt Ion: 59 Resp: 505

Ion Ratio Lower Upper

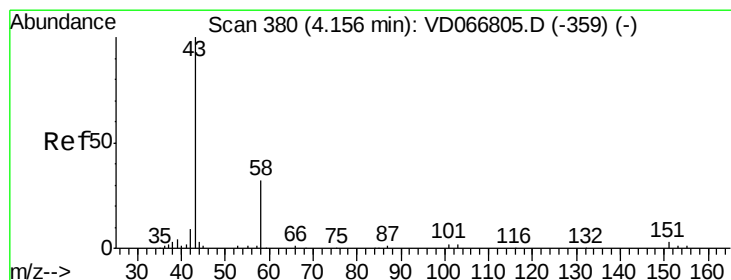
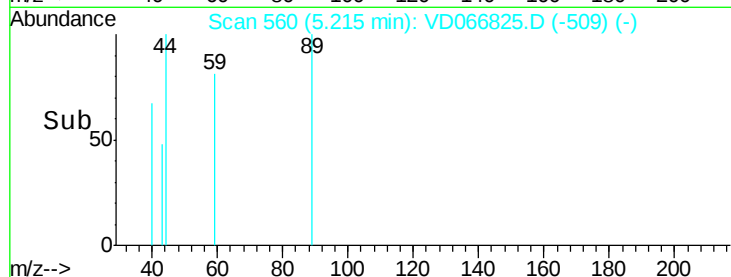
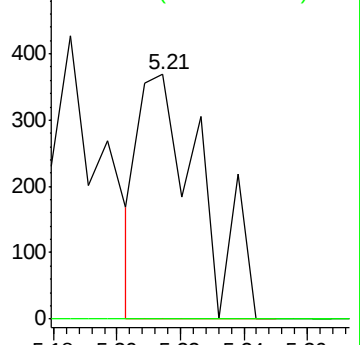
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#16

Acetone

Concen: 3.494 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066825.D

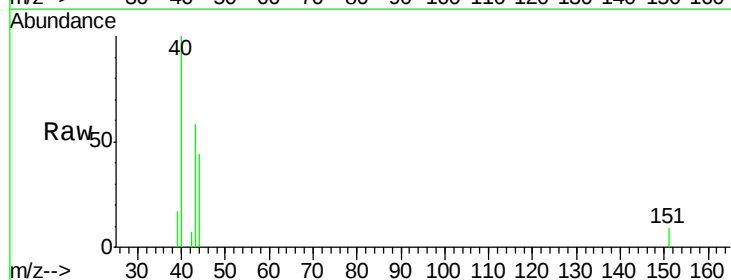
Acq: 23 Sep 2020 10:46

Tgt Ion: 43 Resp: 3016

Ion Ratio Lower Upper

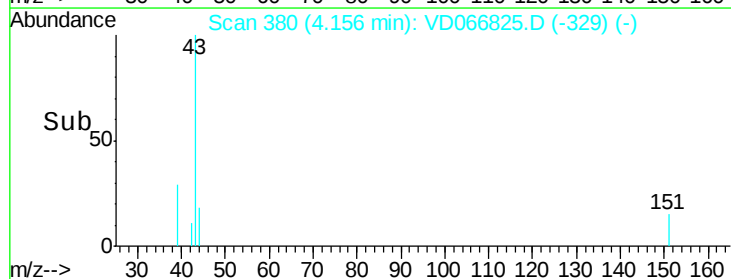
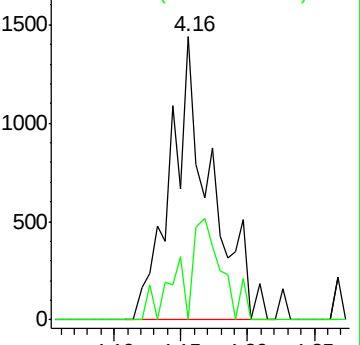
43 100

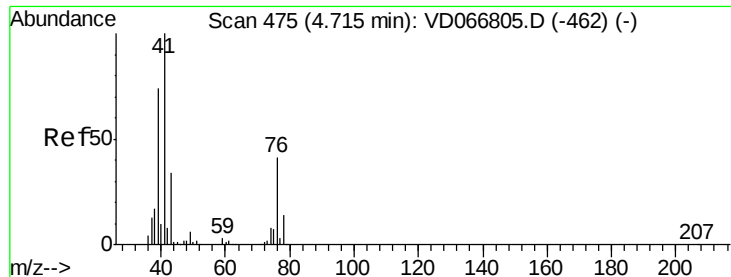
58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

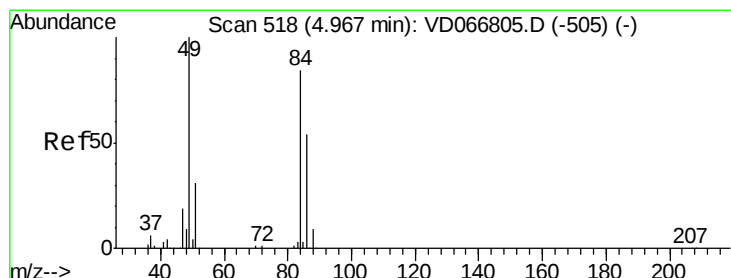
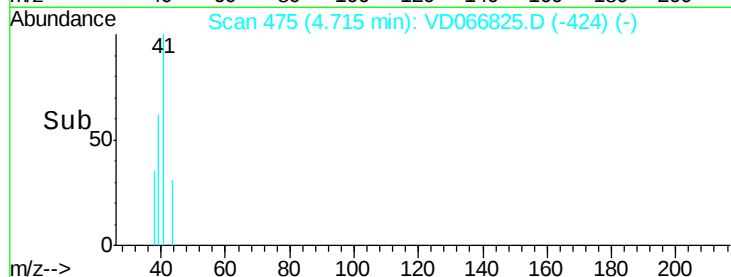
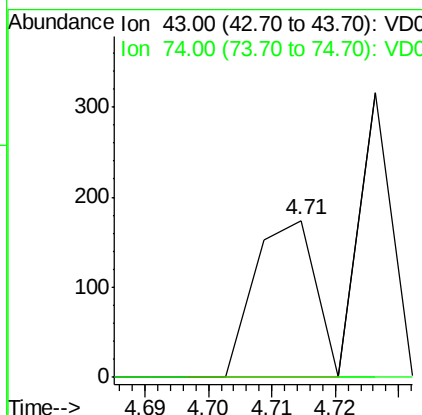
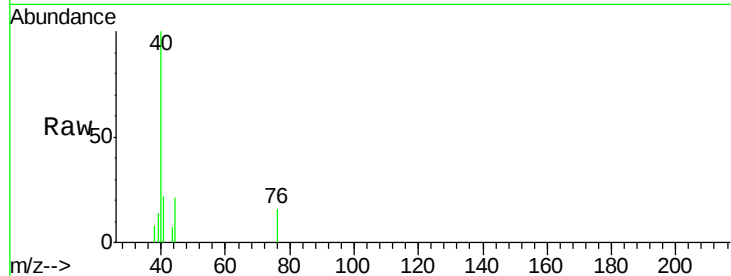




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066825.D
Acq: 23 Sep 2020 10:46

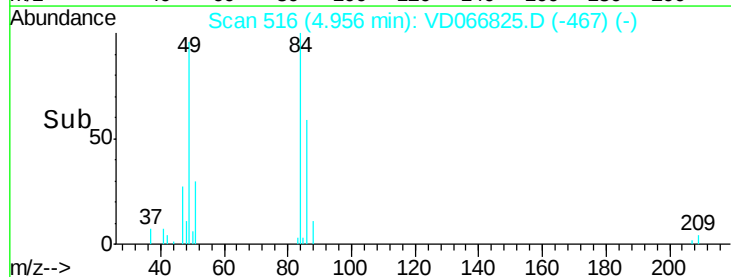
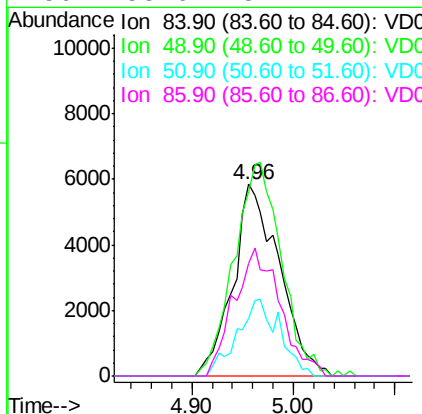
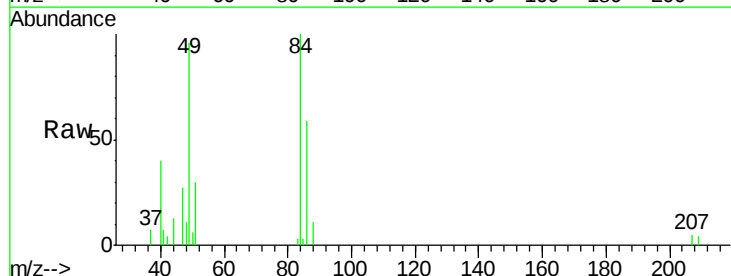
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

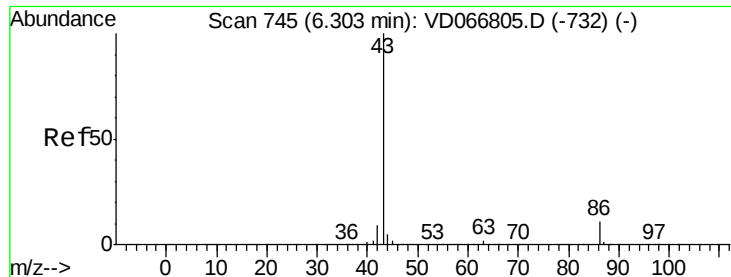
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066825.D
Acq: 23 Sep 2020 10:46

Tgt Ion: 84 Resp: 18510
Ion Ratio Lower Upper
84 100
49 96.3 95.4 143.2
51 30.1 29.7 44.5
86 58.6 51.4 77.2





#23

Vinyl Acetate

Concen: 2.836 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

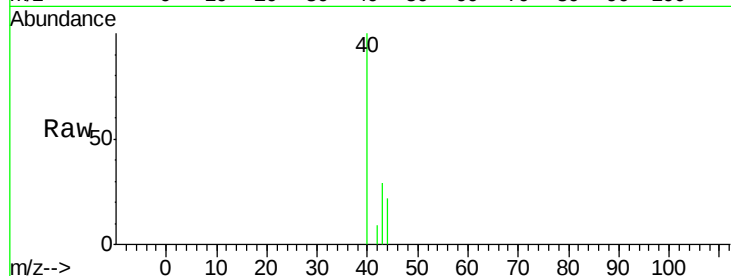
VD0923SBL01

Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

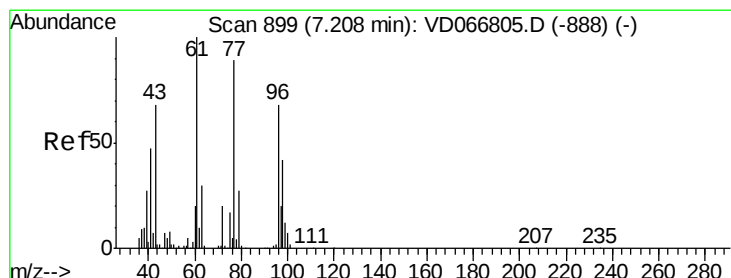
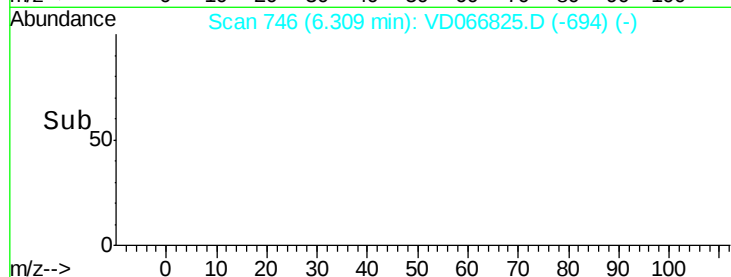
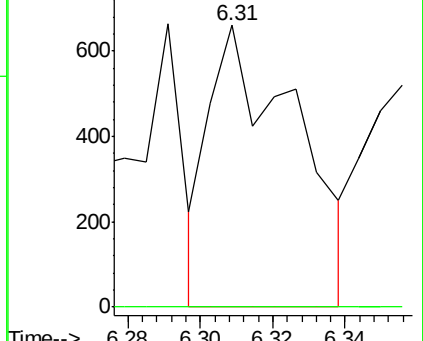
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 2.729 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066825.D

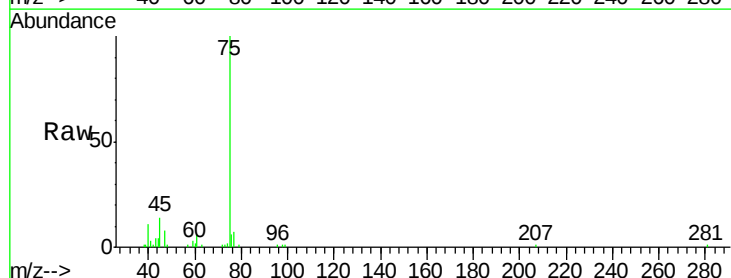
Acq: 23 Sep 2020 10:46

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

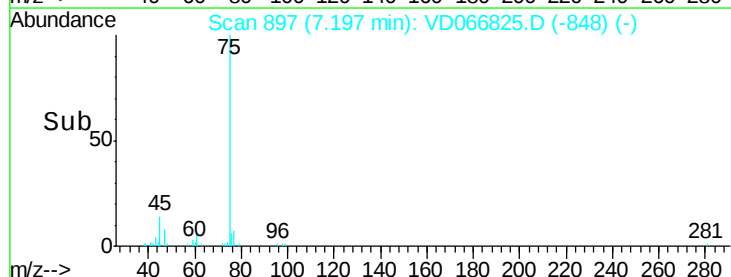
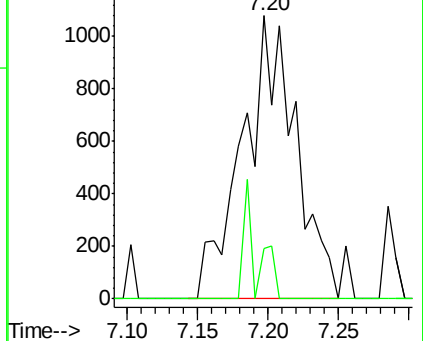
43 100

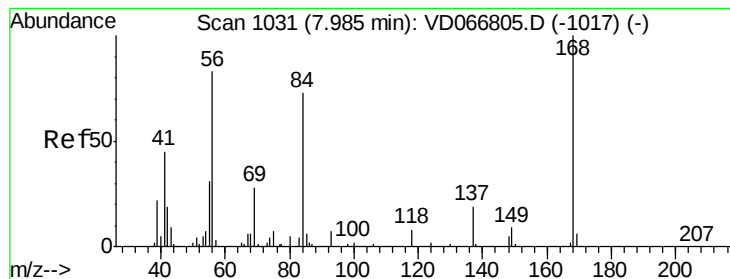
72 18.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.623 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

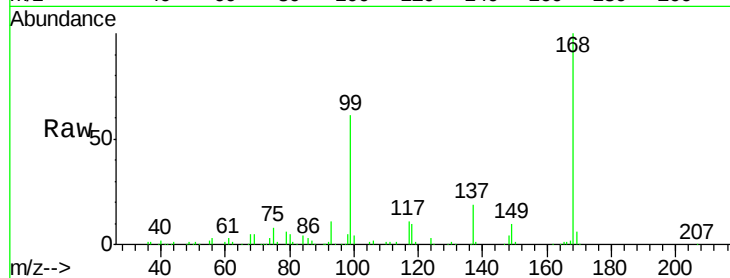
Tgt Ion: 56 Resp: 12004

Ion Ratio Lower Upper

56 100

69 169.8 27.0 40.4#

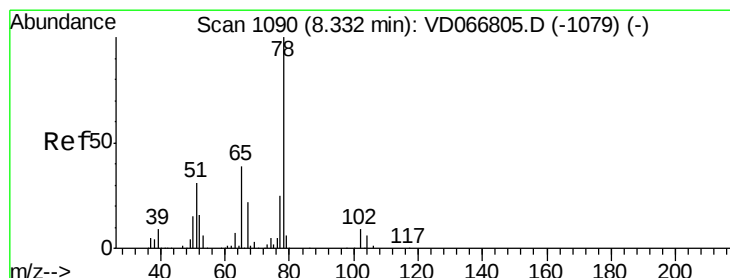
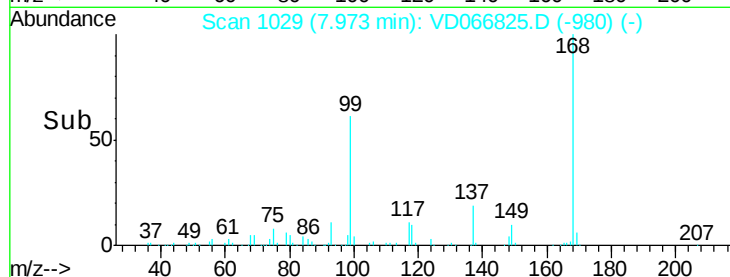
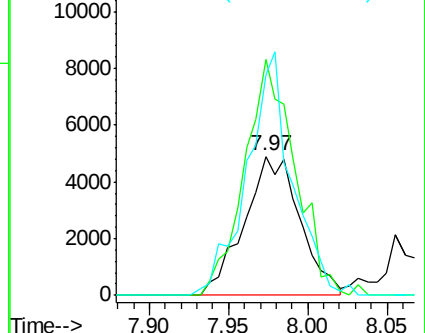
84 158.8 70.2 105.4#



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: 56.684 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066825.D

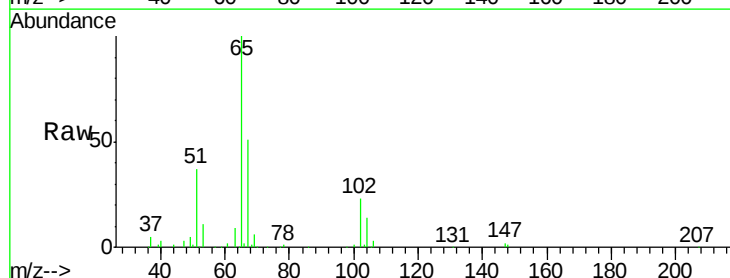
Acq: 23 Sep 2020 10:46

Tgt Ion: 65 Resp: 230622

Ion Ratio Lower Upper

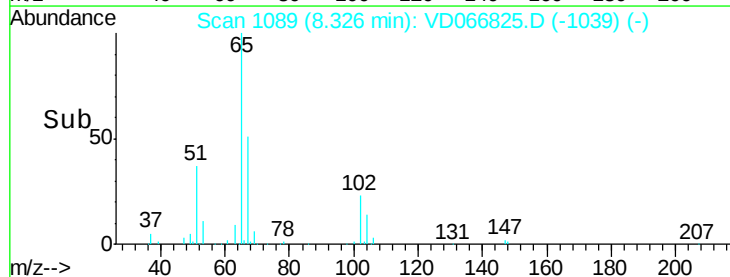
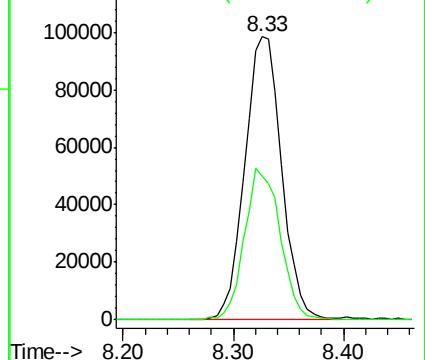
65 100

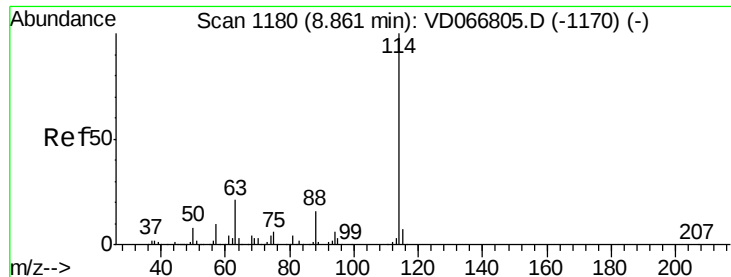
67 52.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

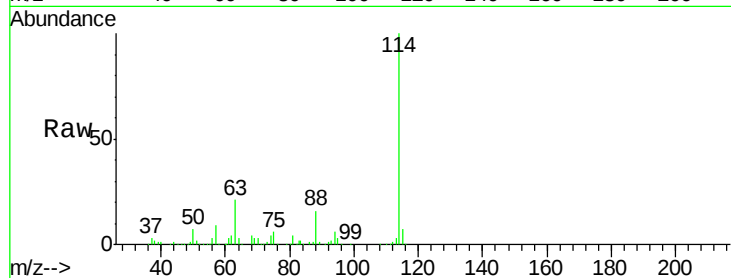




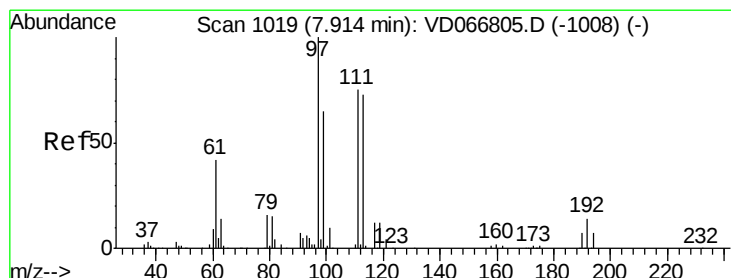
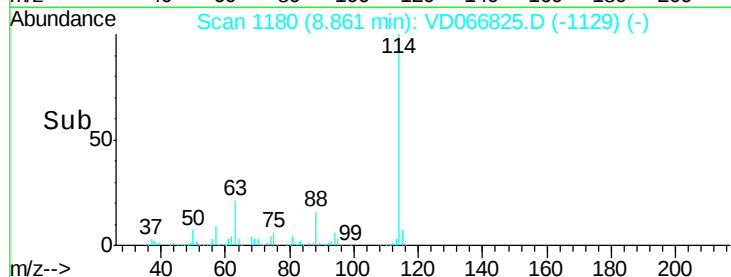
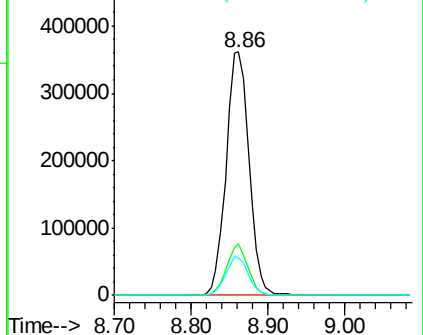
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066825.D
 Acq: 23 Sep 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.6
88	15.5	0.0	32.6

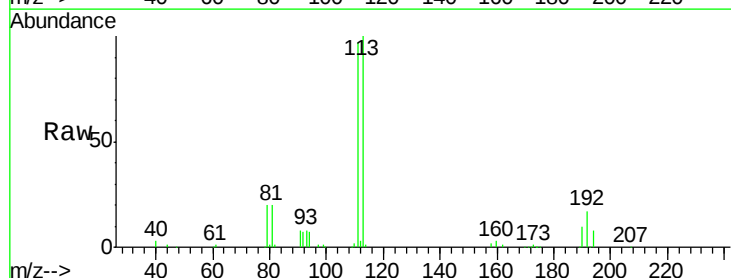


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

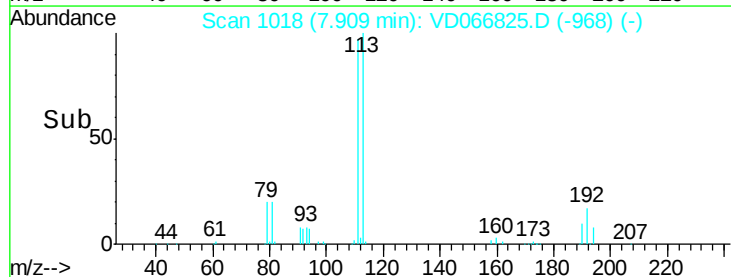
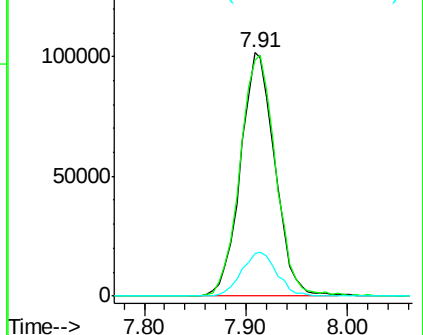


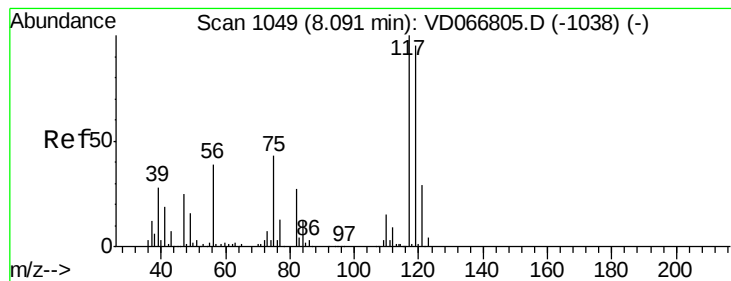
#35
 Dibromofluoromethane
 Concen: 49.732 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066825.D
 Acq: 23 Sep 2020 10:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	18.7	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





#38

Carbon Tetrachloride

Concen: 5.372 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

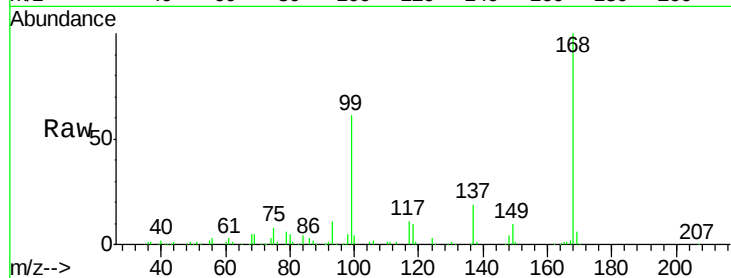
Tgt Ion:117 Resp: 44037

Ion Ratio Lower Upper

117 100

119 8.4 75.8 113.8#

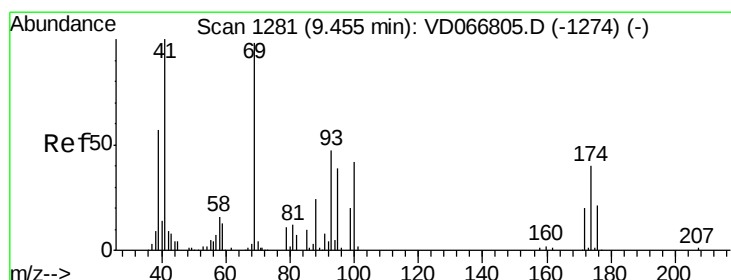
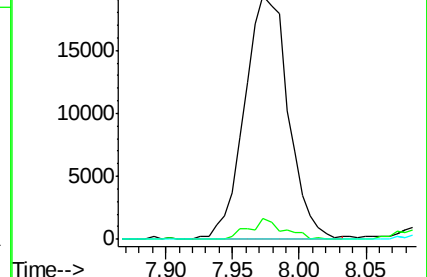
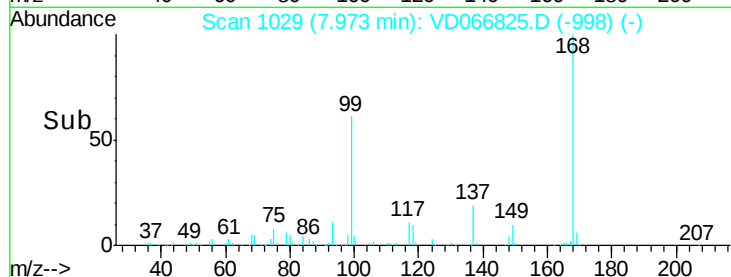
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

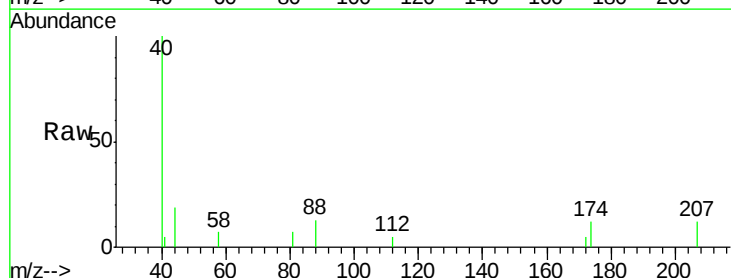
Tgt Ion: 88 Resp: 477

Ion Ratio Lower Upper

88 100

43 29.1 27.7 41.5

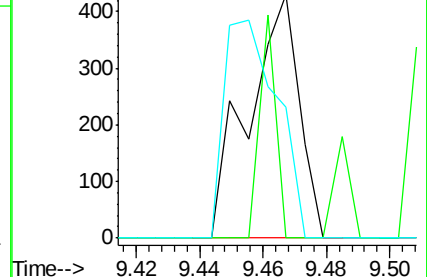
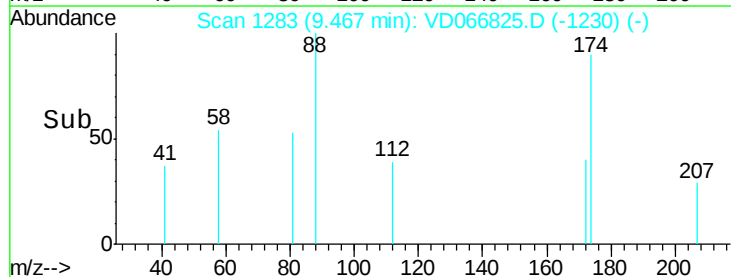
58 93.3 55.5 83.3#

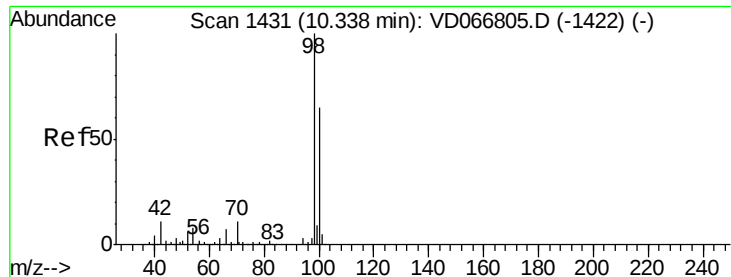


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 54.614 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

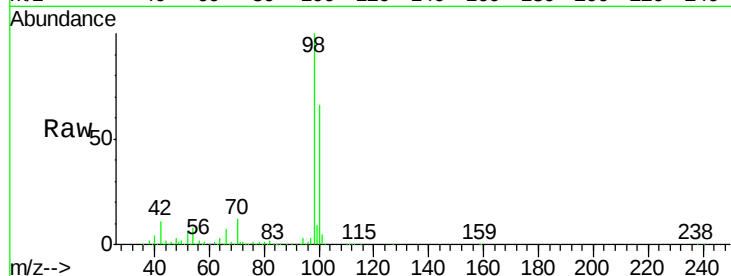
VD0923SBL01

Tgt Ion: 98 Resp: 894781

Ion Ratio Lower Upper

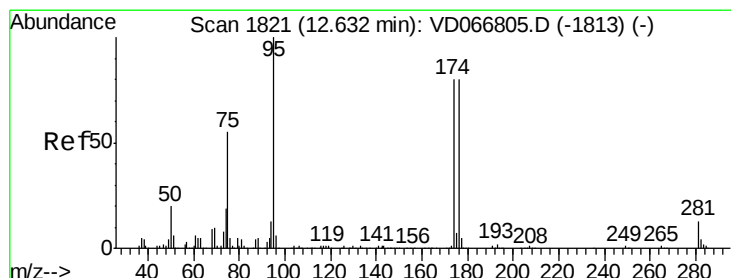
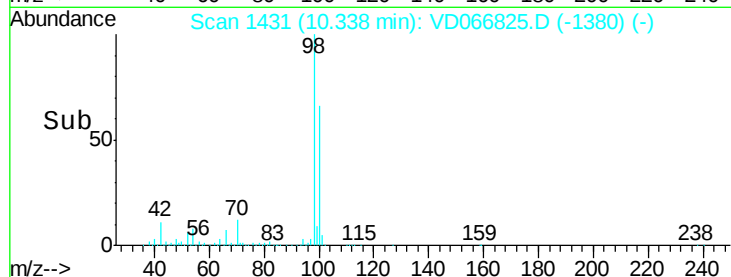
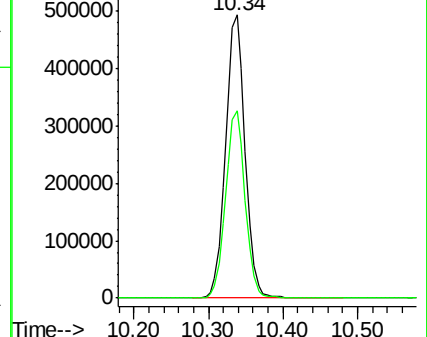
98 100

100 66.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 55.838 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

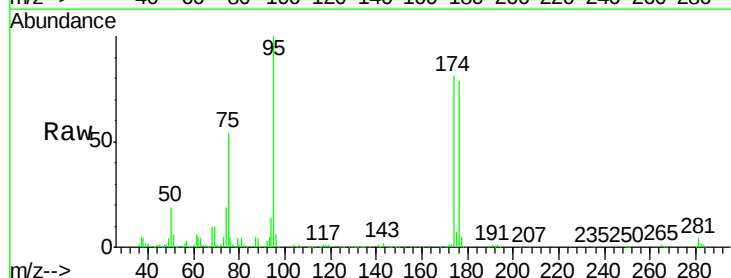
Tgt Ion: 95 Resp: 313180

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.8

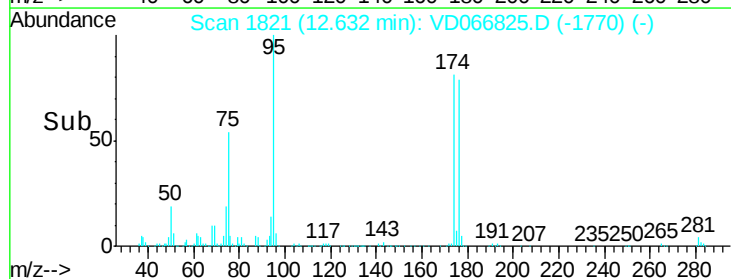
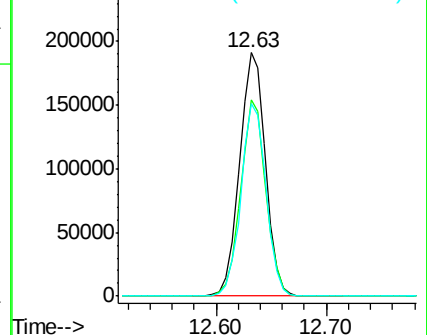
176 77.0 0.0 154.4

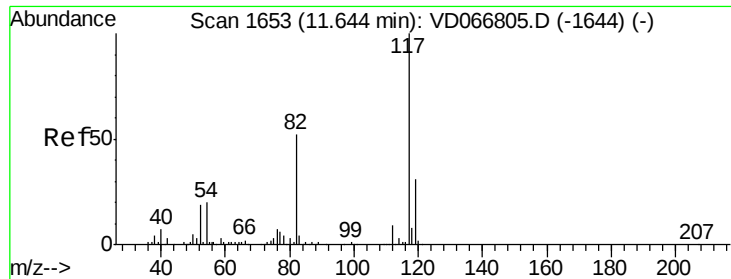


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

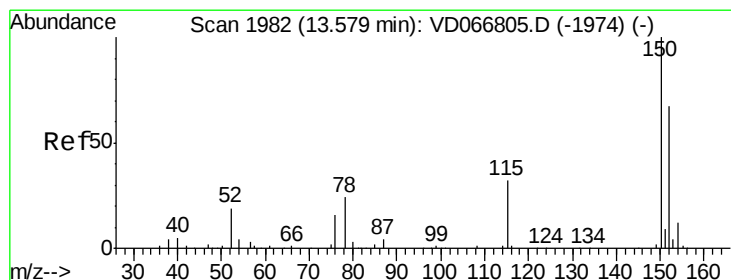
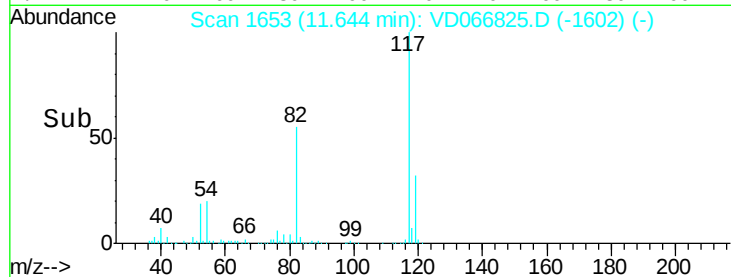
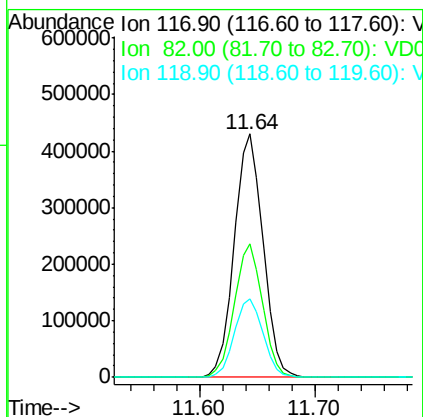
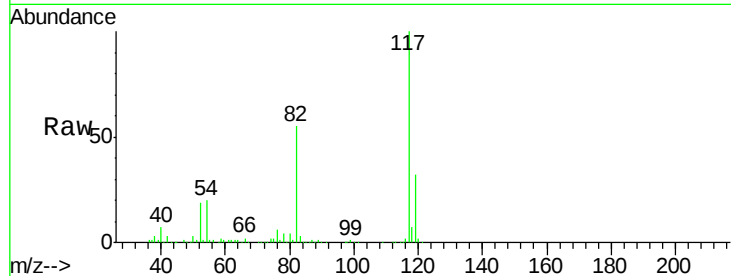




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066825.D
Acq: 23 Sep 2020 10:46

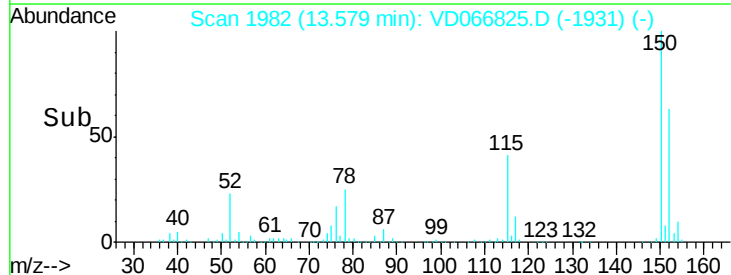
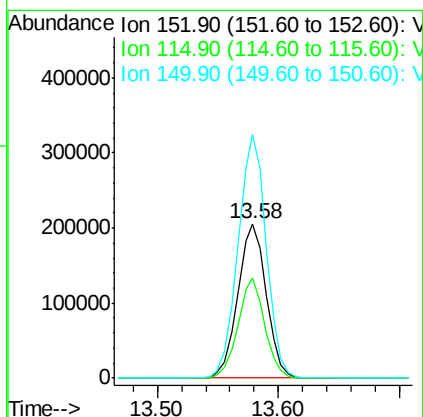
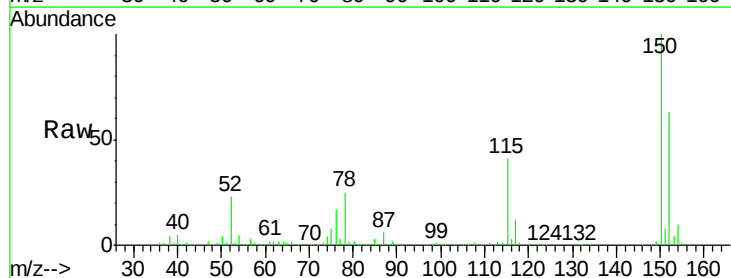
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

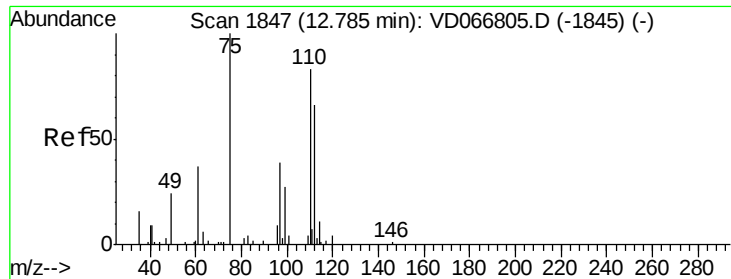
Tgt Ion:117 Resp: 740190
Ion Ratio Lower Upper
117 100
82 55.1 41.8 62.6
119 32.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066825.D
Acq: 23 Sep 2020 10:46

Tgt Ion:152 Resp: 335719
Ion Ratio Lower Upper
152 100
115 60.9 30.3 91.0
150 156.6 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.251 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

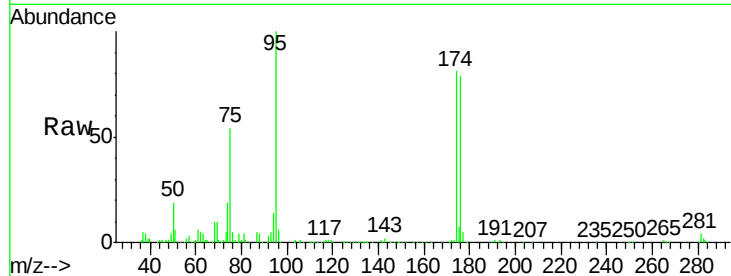
VD0923SBL01

Tgt Ion: 75 Resp: 167629

Ion Ratio Lower Upper

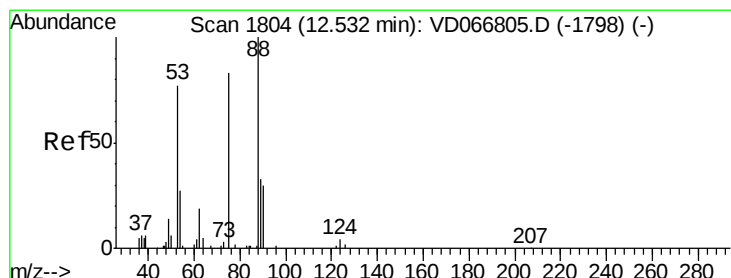
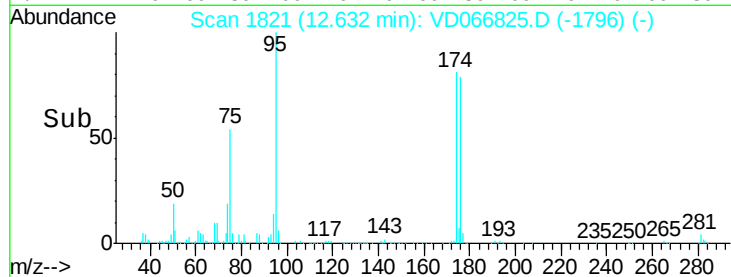
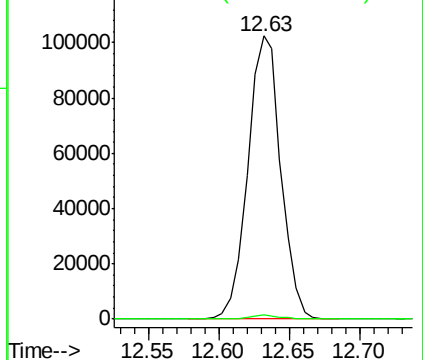
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 150.743 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066825.D

Acq: 23 Sep 2020 10:46

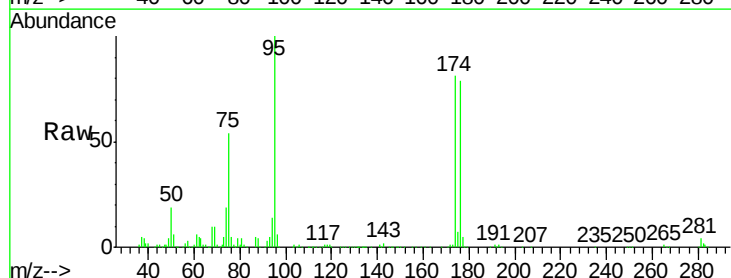
Tgt Ion: 75 Resp: 167629

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 38.1 57.1#



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

