

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066938.D
 Acq On : 29 Sep 2020 14:57
 Operator : VA/SY
 Sample : L4172-05
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-2

Quant Time: Sep 30 02:36:29 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	421102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	706865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	742942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193445	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.91	113	223144	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	864587	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.63	95	325231	62.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.00%	

Target Compounds

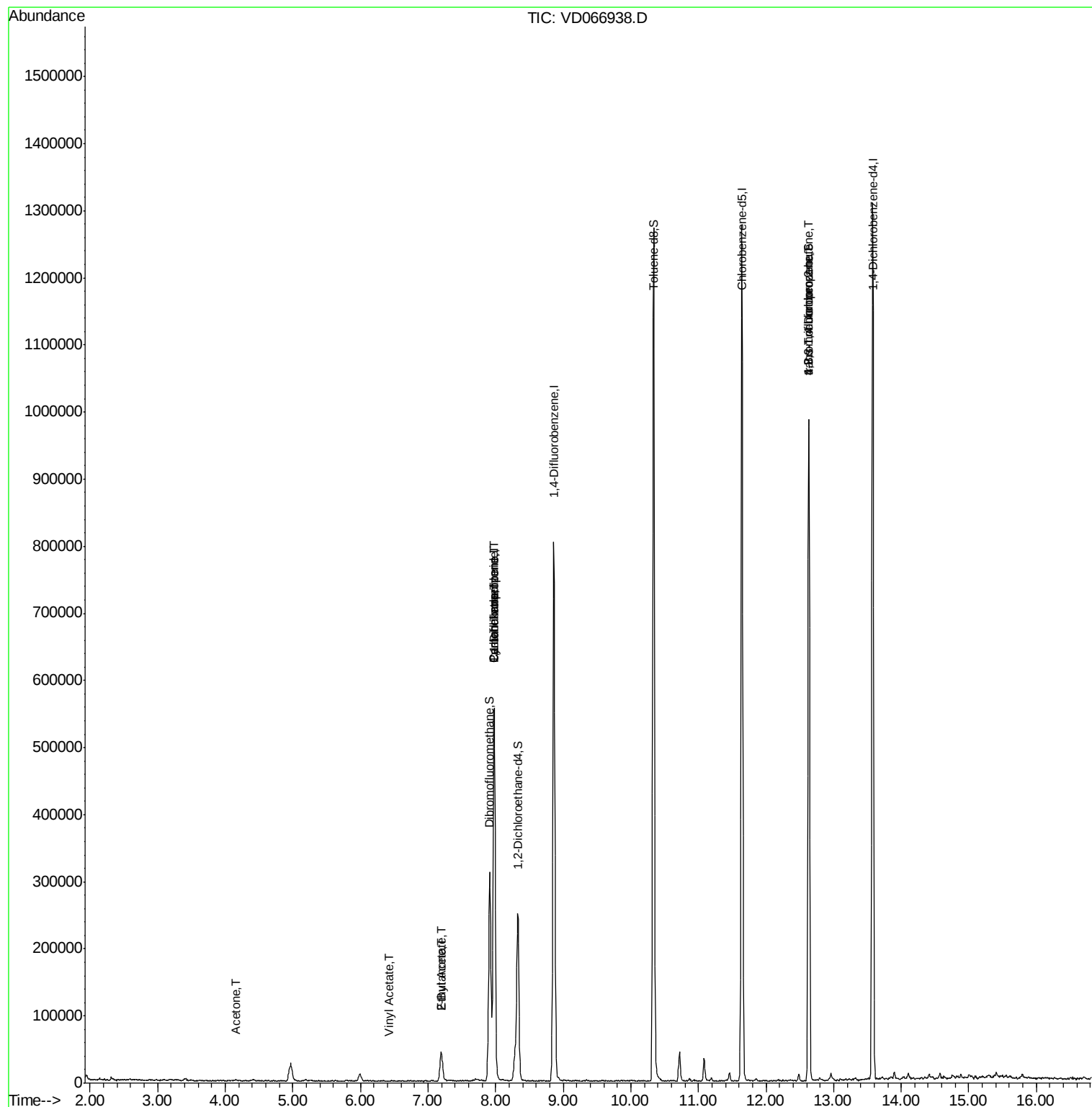
						Qvalue
2) Dichlorodifluoromethane	1.99	85	134	Below Cal	#	46
11) Tert butyl alcohol	5.23	59	360	Below Cal	#	72
16) Acetone	4.16	43	3630	4.152	ug/l #	85
18) Methyl Acetate	4.71	43	65	Below Cal	#	50
20) Methylene Chloride	4.97	84	20955	Below Cal		93
23) Vinyl Acetate	6.41	43	53	2.680	ug/l #	71
25) 2-Butanone	7.21	43	2755	2.622	ug/l #	46
31) Cyclohexane	7.98	56	8499	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32868	4.687	ug/l #	50
37) Ethyl Acetate	7.21	43	2755	1.087	ug/l #	70
38) Carbon Tetrachloride	7.98	117	44756	5.838	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	162343	55.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162343	138.557	ug/l #	10

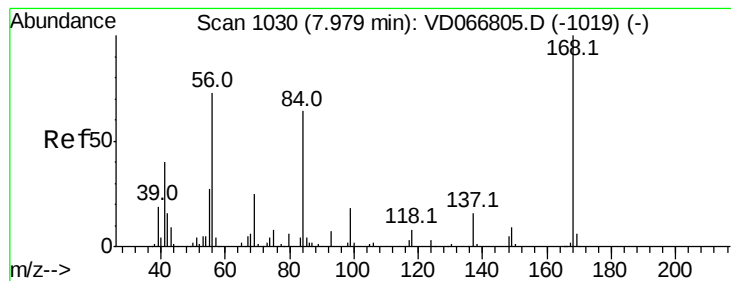
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleID :

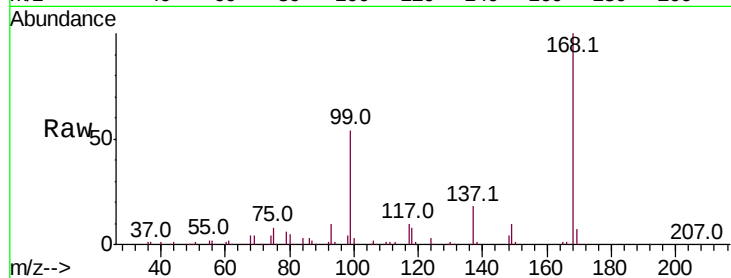
DUP-2

Tot Ion:168 Resp: 421102

Ion Ratio Lower Upper

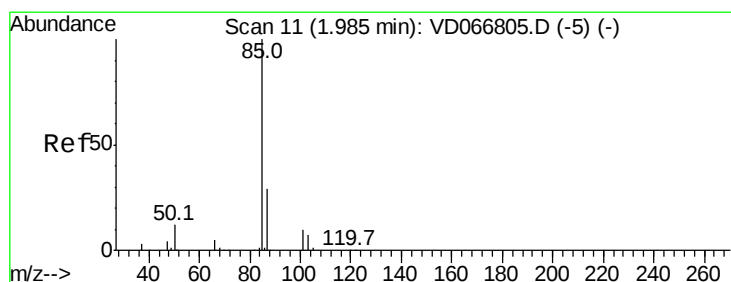
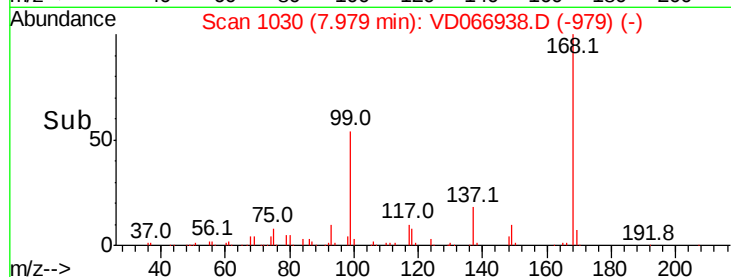
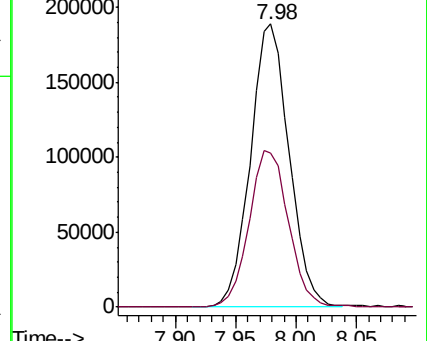
168 100

99 54.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066938.D

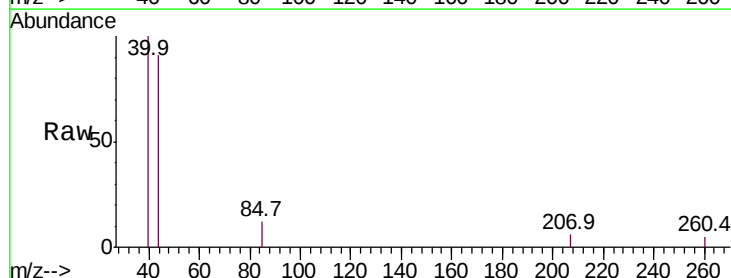
Acq: 29 Sep 2020 14:57

Tgt Ion: 85 Resp: 134

Ion Ratio Lower Upper

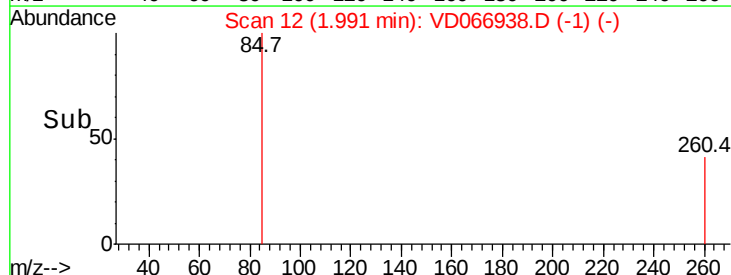
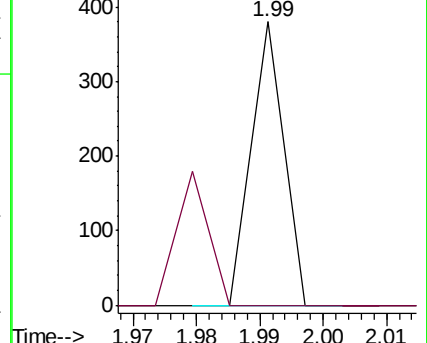
85 100

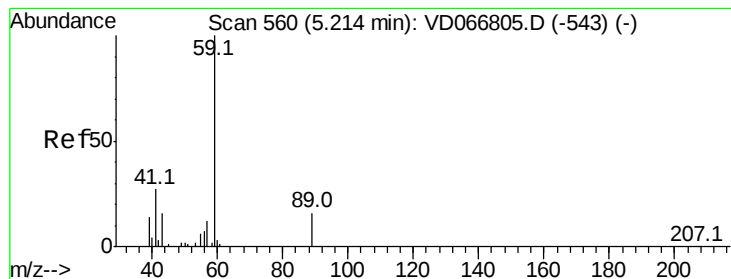
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



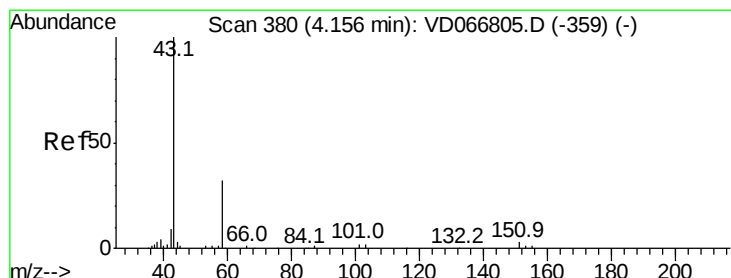
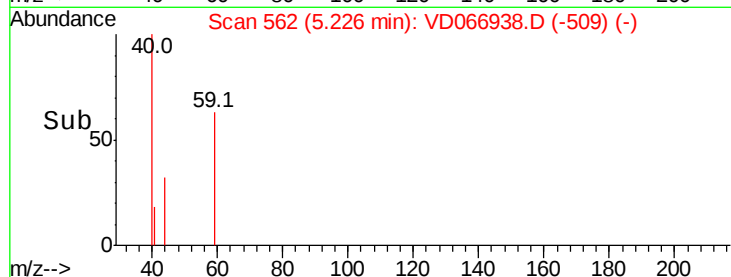
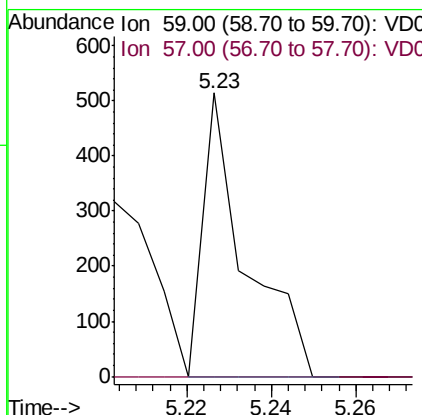
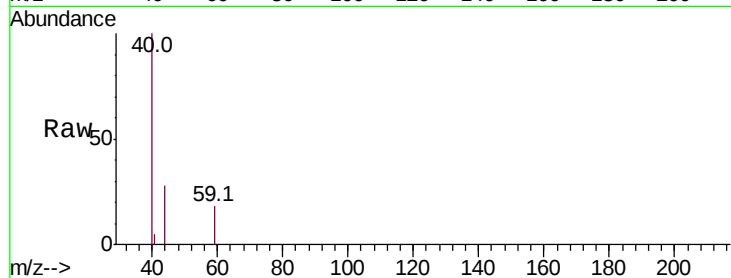


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066938.D
 Acq: 29 Sep 2020 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-2

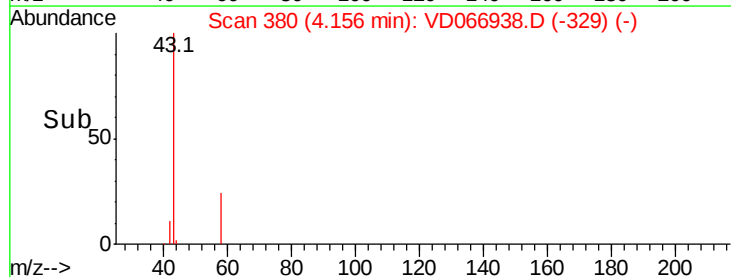
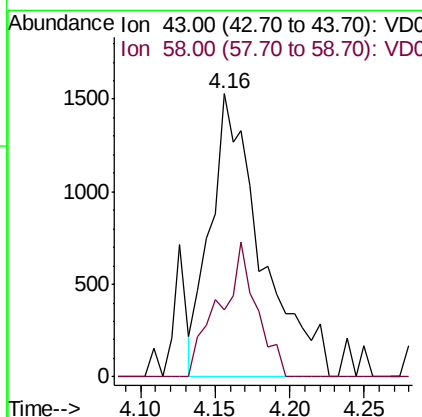
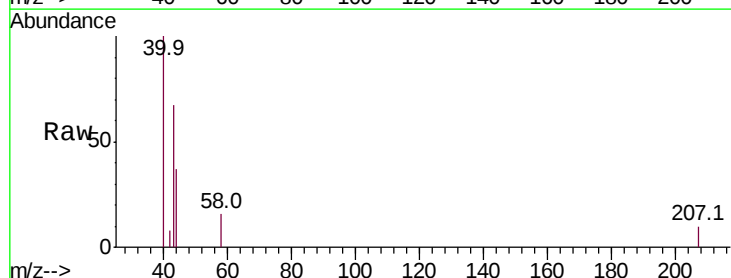
Tot Ion: 59 Resp: 360
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

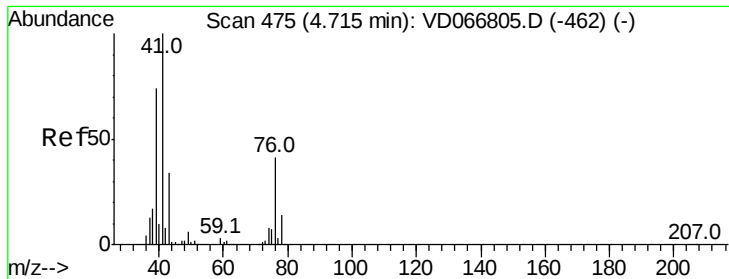


#16

Acetone
 Concen: 4.152 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066938.D
 Acq: 29 Sep 2020 14:57

Tgt Ion: 43 Resp: 3630
 Ion Ratio Lower Upper
 43 100
 58 23.5 25.6 38.4#

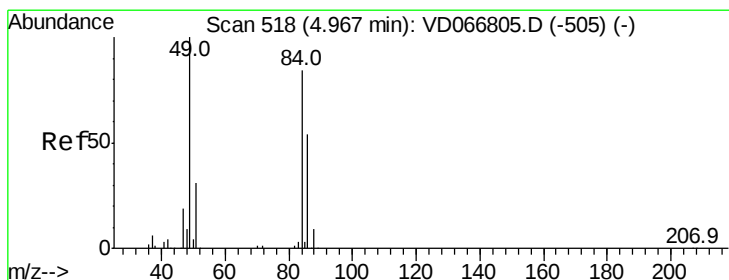
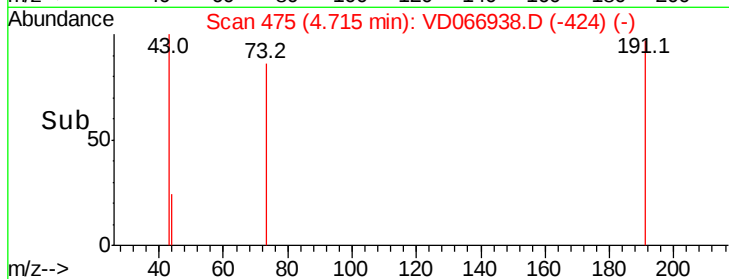
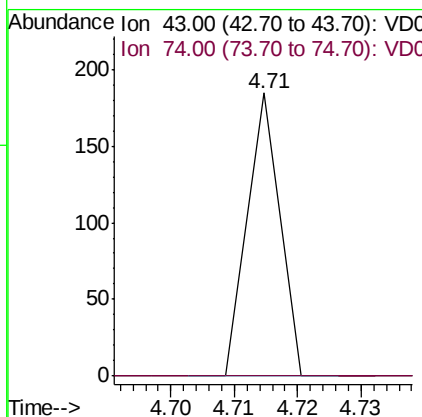
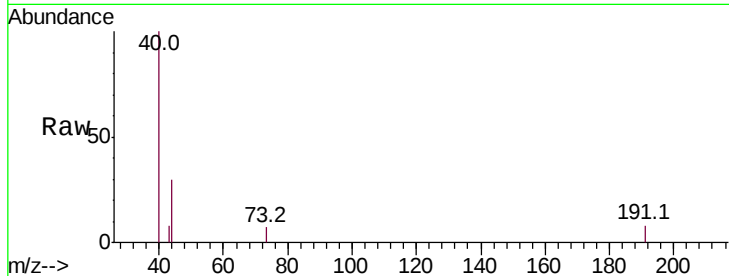




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066938.D
Acq: 29 Sep 2020 14:57

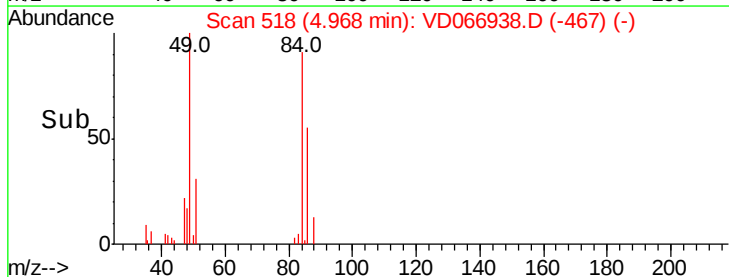
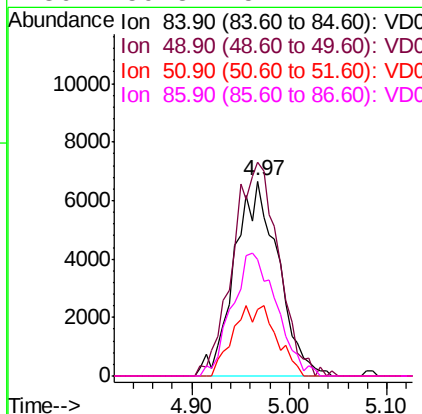
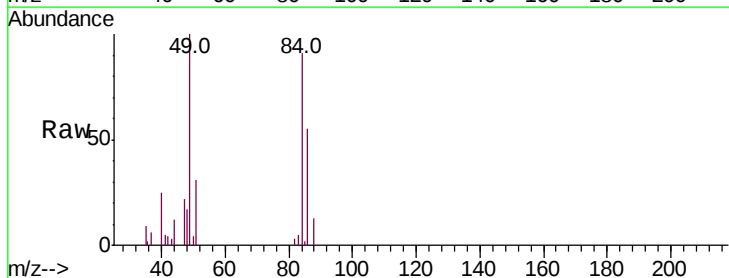
Instrument :
MSVOA_D
ClientSampleId :
DUP-2

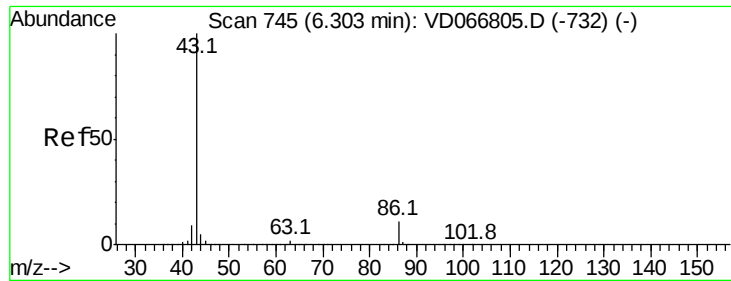
Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066938.D
Acq: 29 Sep 2020 14:57

Tgt Ion: 84 Resp: 20955
Ion Ratio Lower Upper
84 100
49 109.4 95.4 143.2
51 34.4 29.7 44.5
86 59.8 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.41 min Scan# 764

Delta R.T. 0.11 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

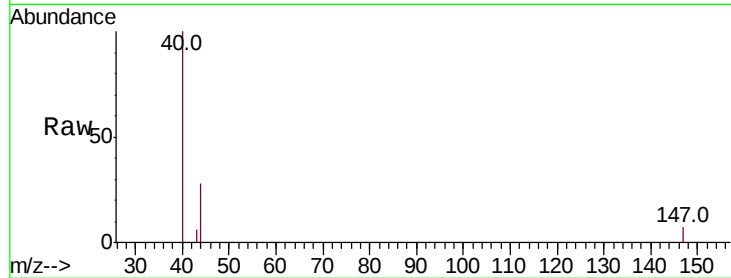
DUP-2

Tot Ion: 43 Resp: 53

Ion Ratio Lower Upper

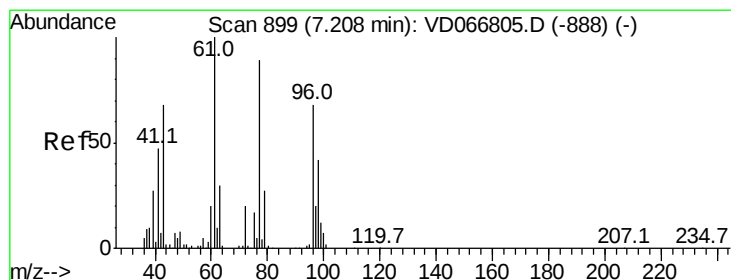
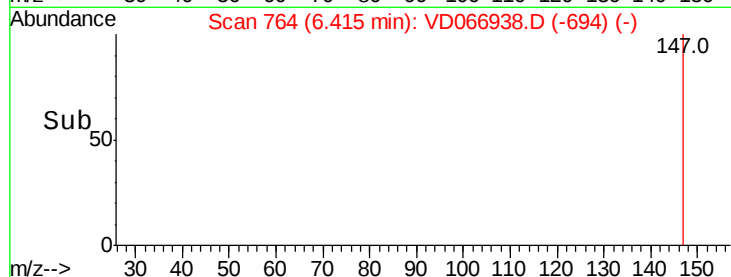
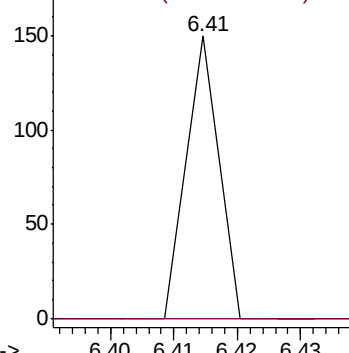
43 100

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: 2.622 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066938.D

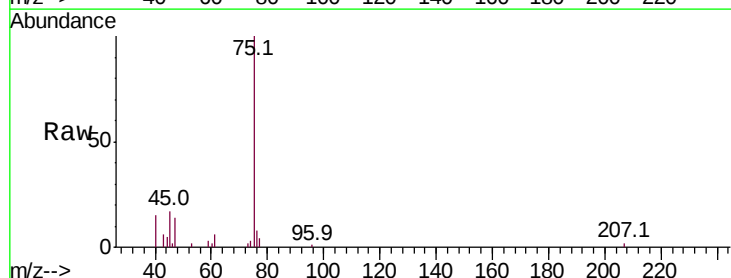
Acq: 29 Sep 2020 14:57

Tgt Ion: 43 Resp: 2755

Ion Ratio Lower Upper

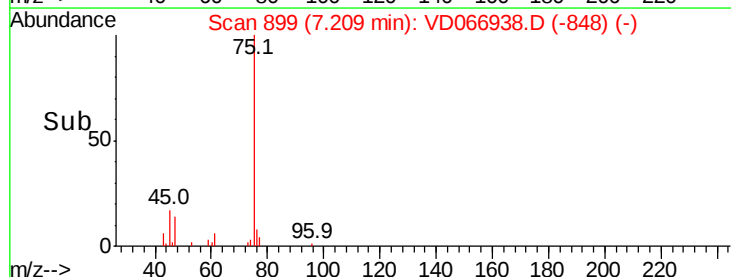
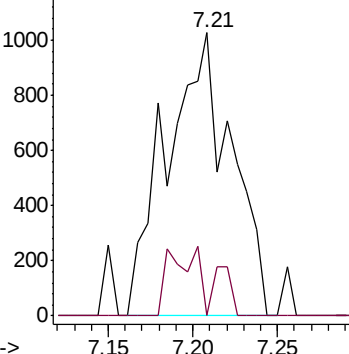
43 100

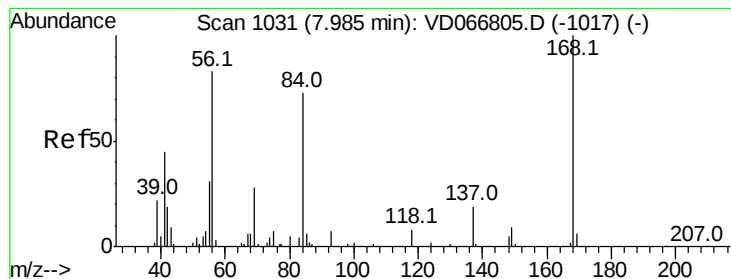
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleID :

DUP-2

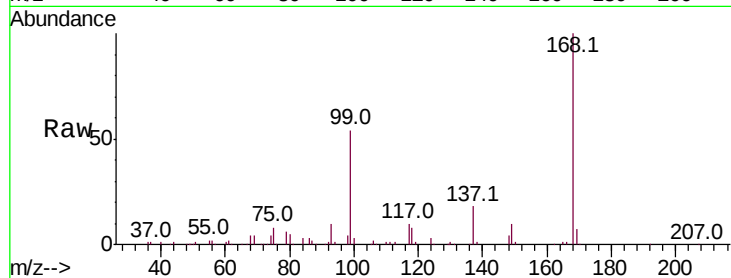
Tot Ion: 56 Resp: 8499

Ion Ratio Lower Upper

56 100

69 189.2 27.0 40.4#

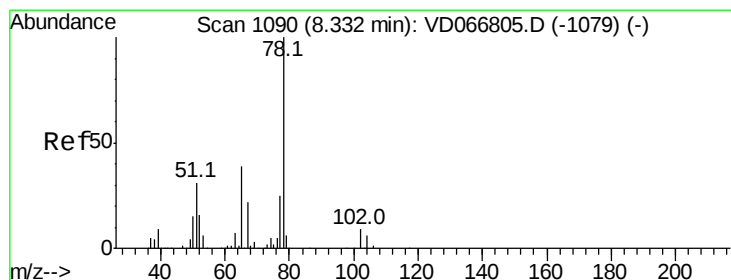
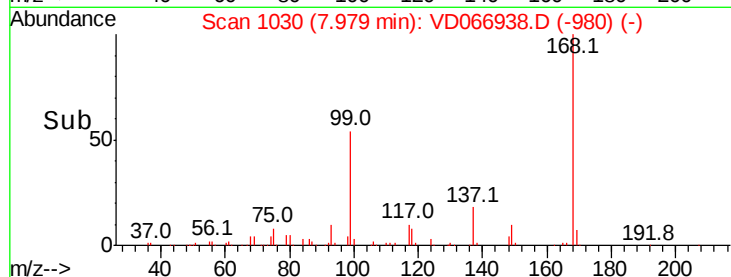
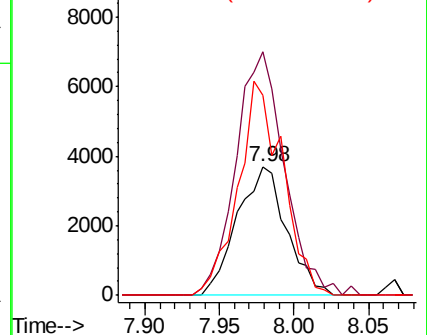
84 155.8 70.2 105.4#



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: 46.935 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066938.D

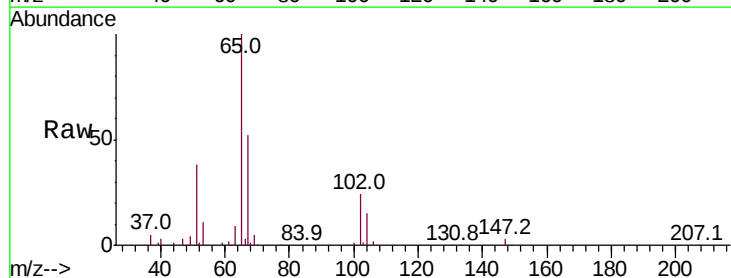
Acq: 29 Sep 2020 14:57

Tgt Ion: 65 Resp: 193445

Ion Ratio Lower Upper

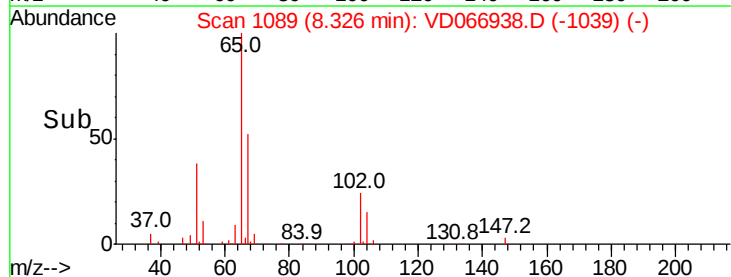
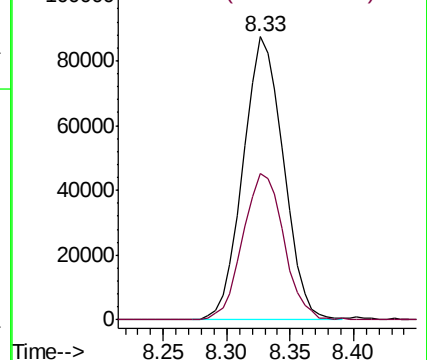
65 100

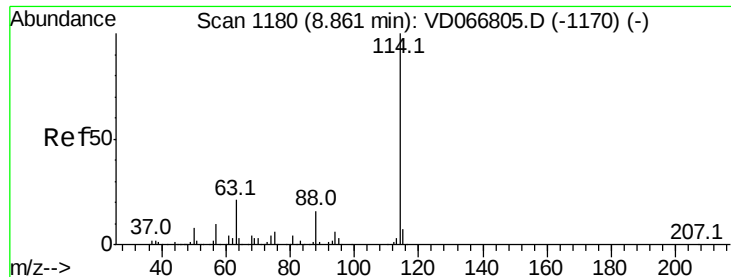
67 52.9 0.0 107.2



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: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

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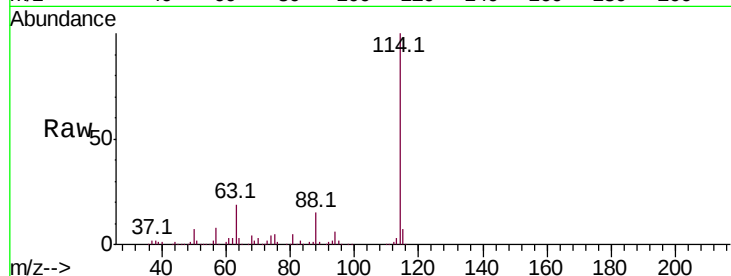
Tot Ion:114 Resp: 706865

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

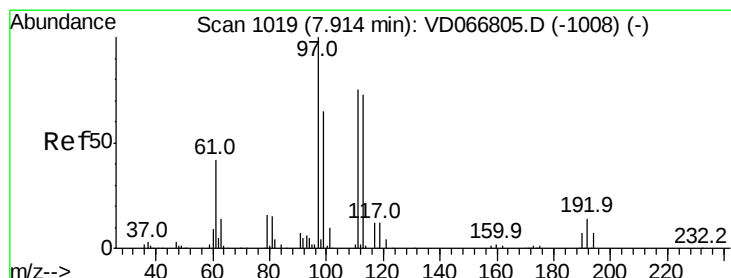
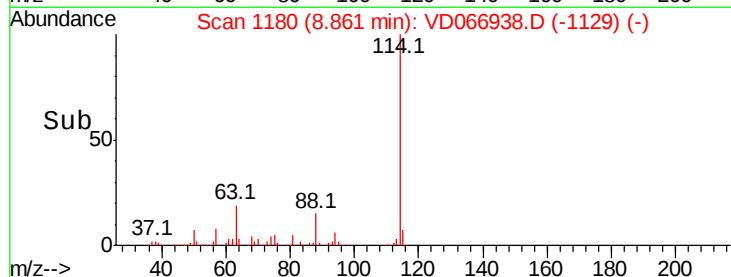
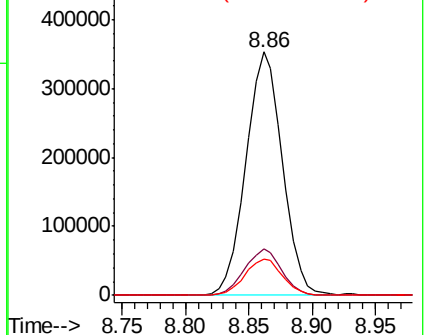
88 14.7 0.0 32.6



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: 49.620 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

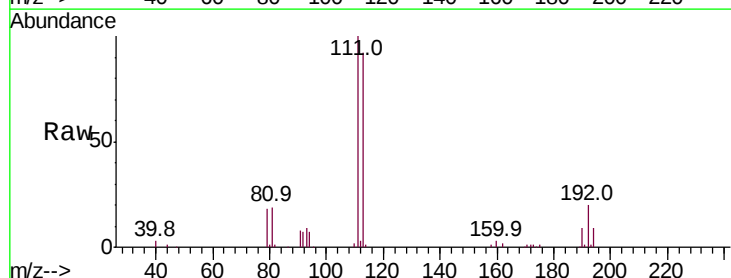
Tgt Ion:113 Resp: 223144

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

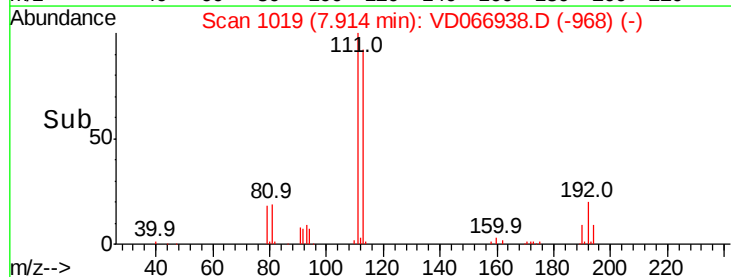
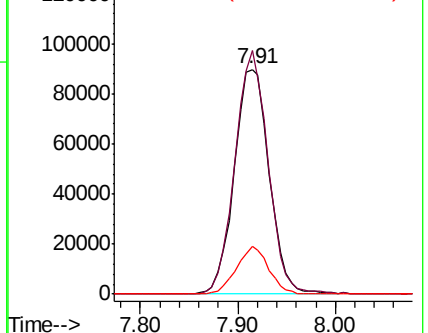
192 19.5 14.4 21.6

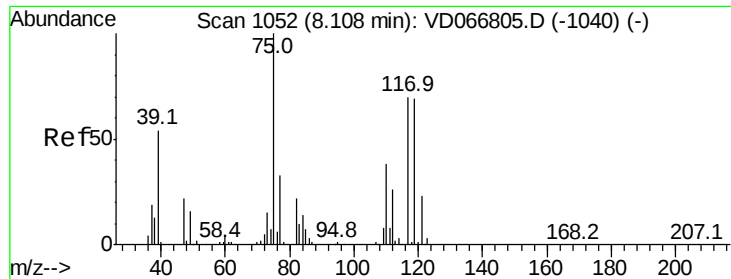


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

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DUP-2

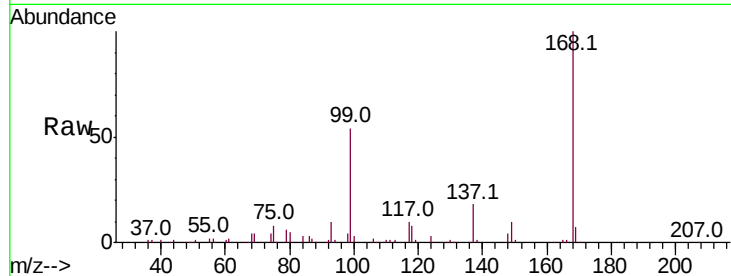
Tot Ion: 75 Resp: 32868

Ion Ratio Lower Upper

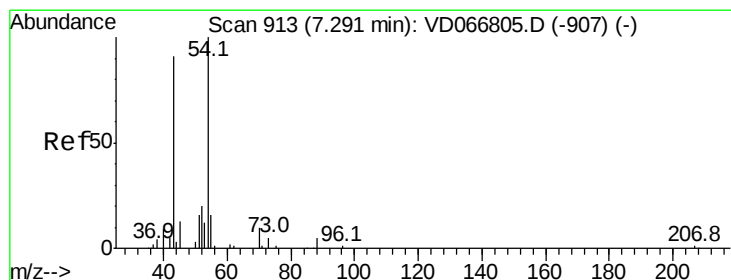
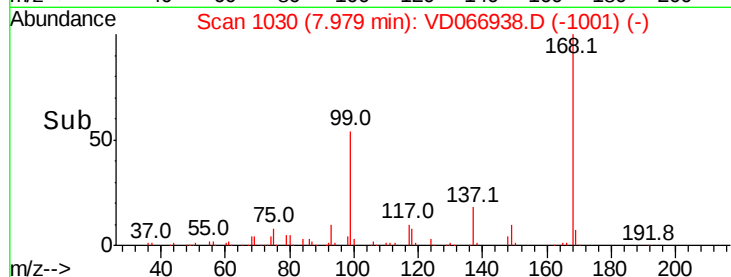
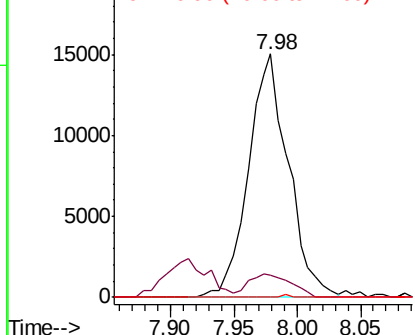
75 100

110 10.1 17.9 53.8#

77 0.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.087 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

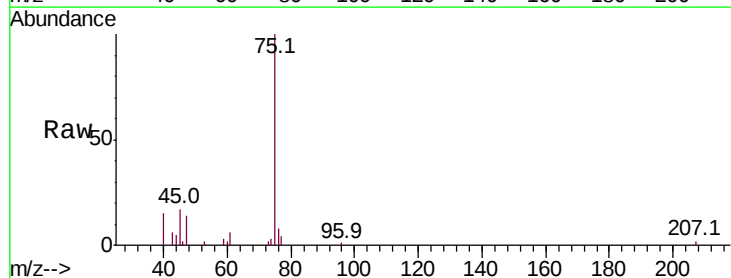
Tgt Ion: 43 Resp: 2755

Ion Ratio Lower Upper

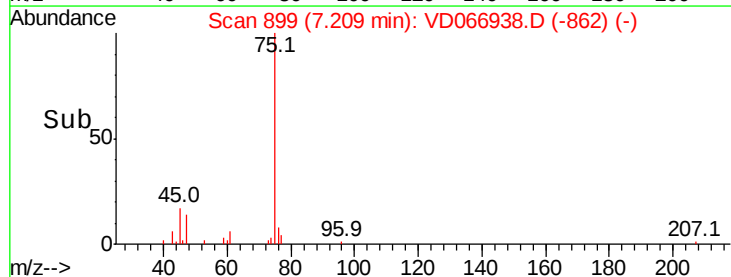
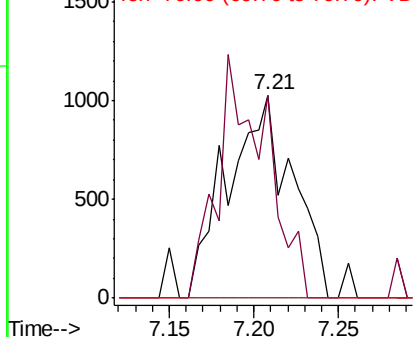
43 100

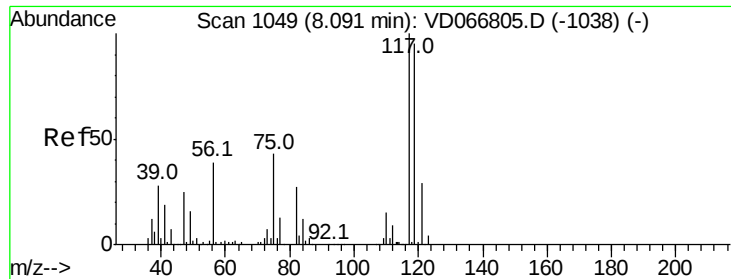
61 0.0 9.8 14.8#

70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleID :

DUP-2

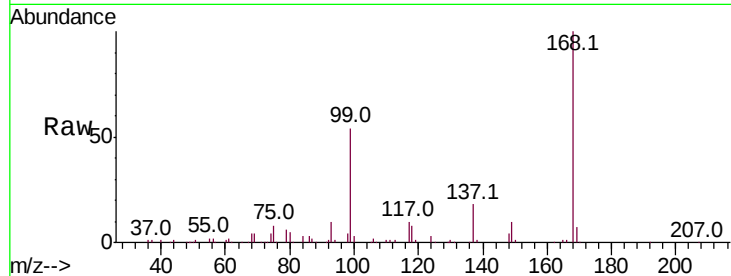
Tot Ion:117 Resp: 44756

Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.8#

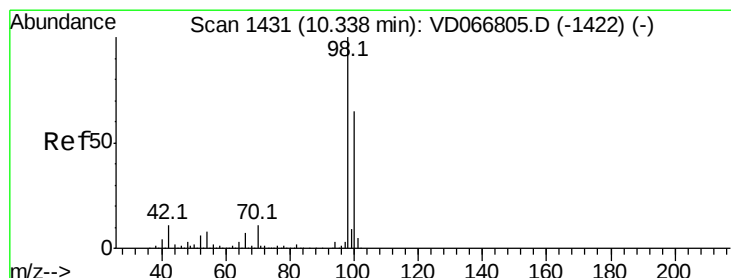
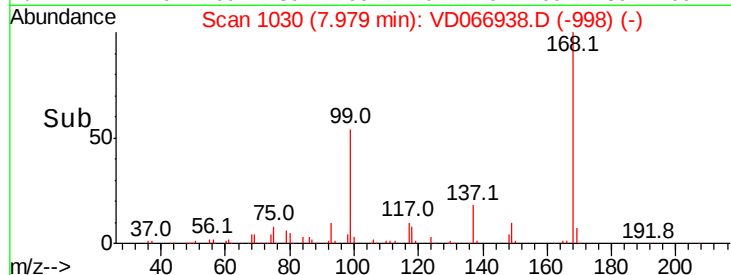
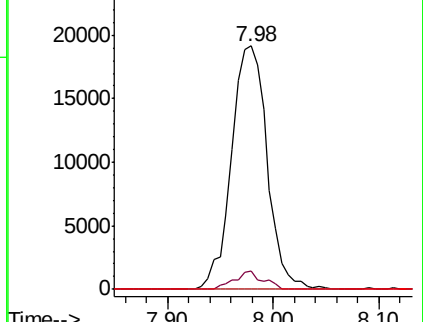
121 0.0 23.4 35.0#



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



#50

Toluene-d8

Concen: 56.427 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066938.D

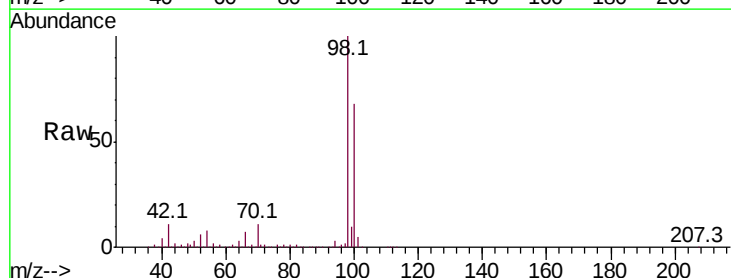
Acq: 29 Sep 2020 14:57

Tgt Ion: 98 Resp: 864587

Ion Ratio Lower Upper

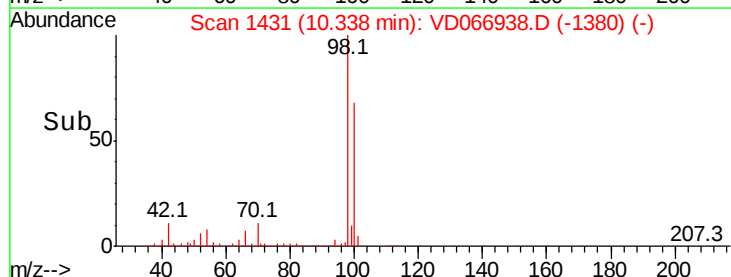
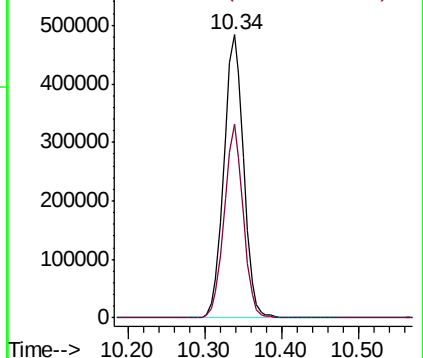
98 100

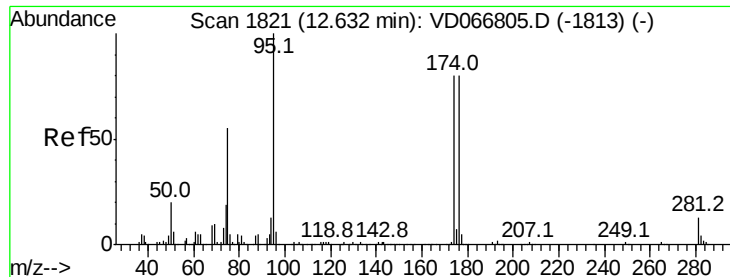
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

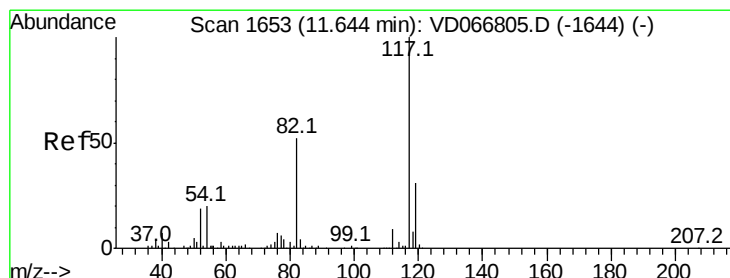
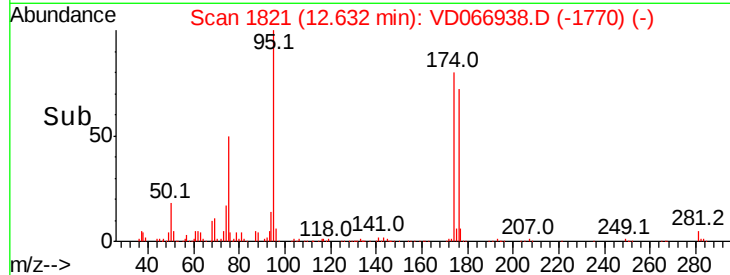
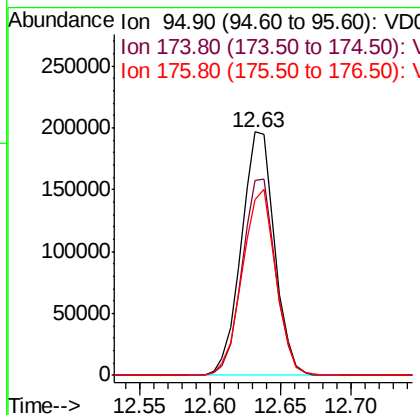
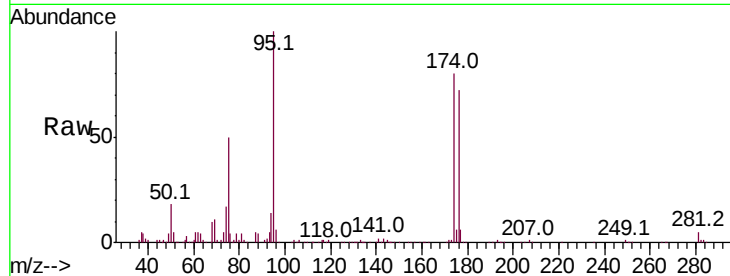




#62
4-Bromofluorobenzene
Concen: 62.003 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066938.D
Acq: 29 Sep 2020 14:57

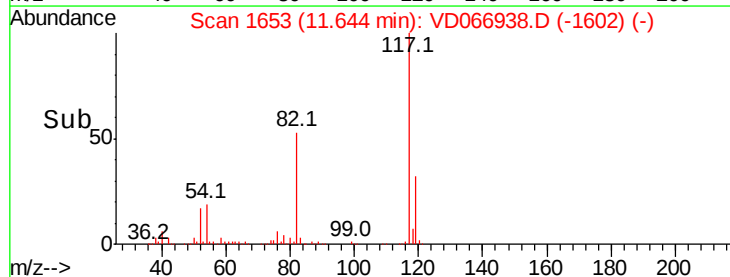
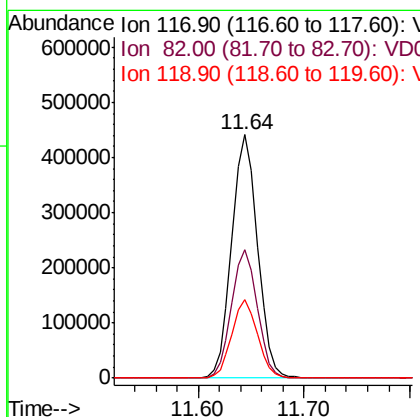
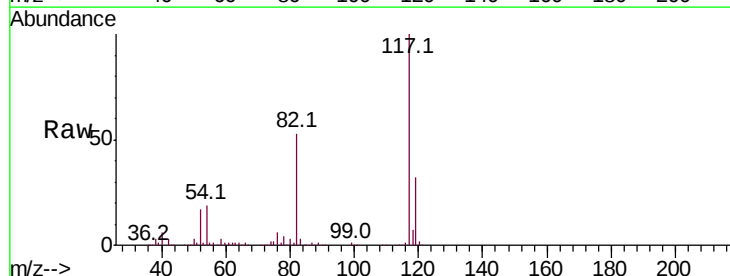
Instrument :
MSVOA_D
ClientSampleId :
DUP-2

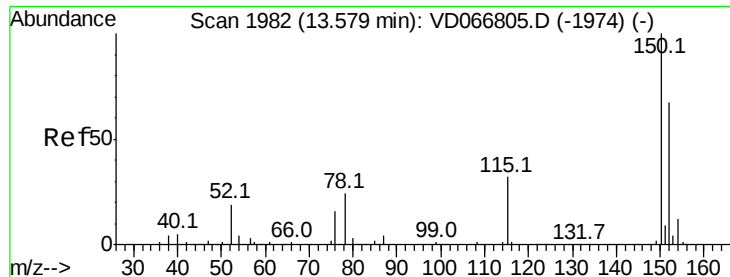
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	159.8
176	76.9	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066938.D
Acq: 29 Sep 2020 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.6
119	32.3	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: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

DUP-2

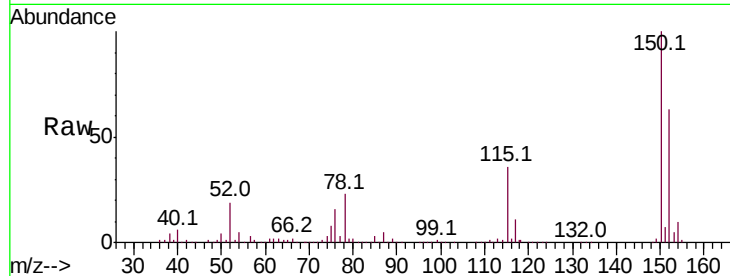
Tot Ion:152 Resp: 353727

Ion Ratio Lower Upper

152 100

115 59.4 30.3 91.0

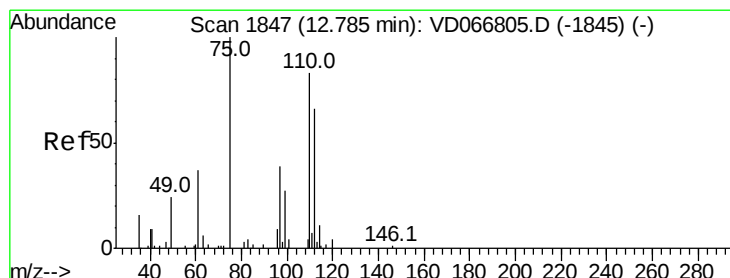
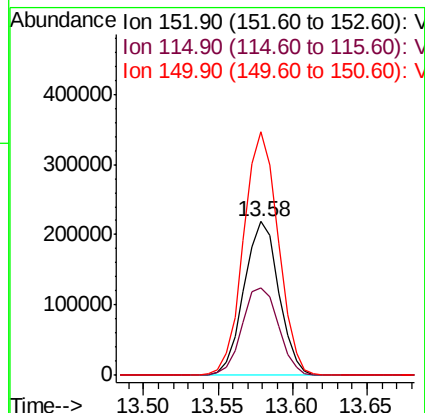
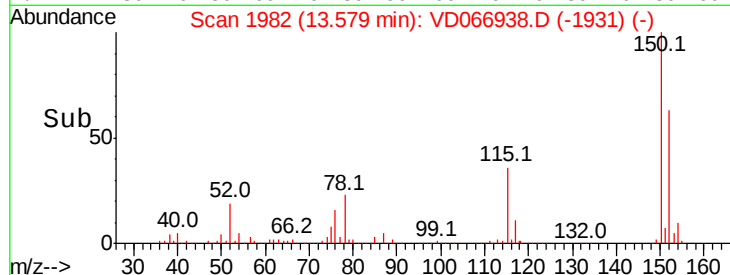
150 157.8 0.0 346.2



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: 55.381 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066938.D

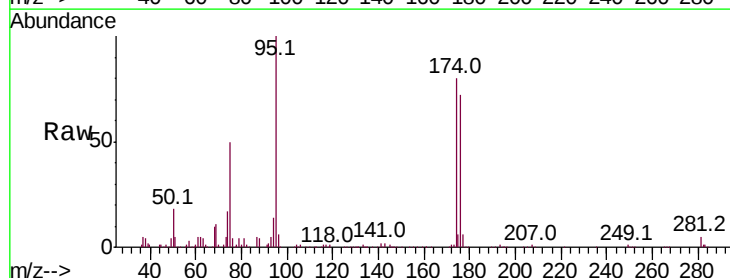
Acq: 29 Sep 2020 14:57

Tgt Ion: 75 Resp: 162343

Ion Ratio Lower Upper

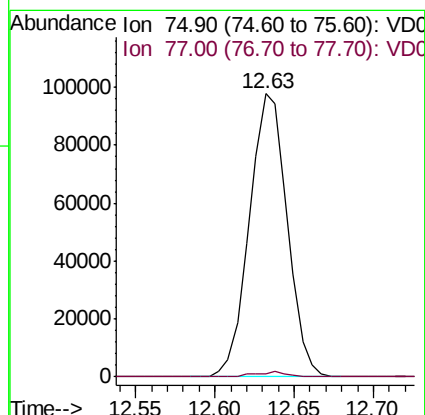
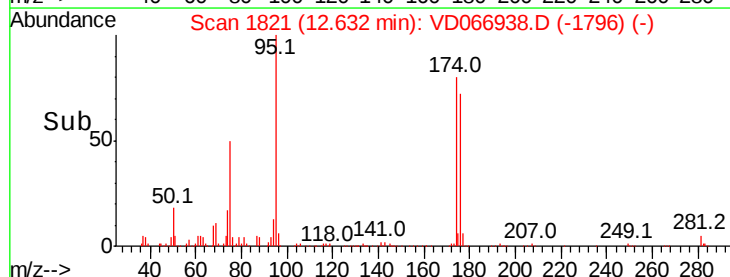
75 100

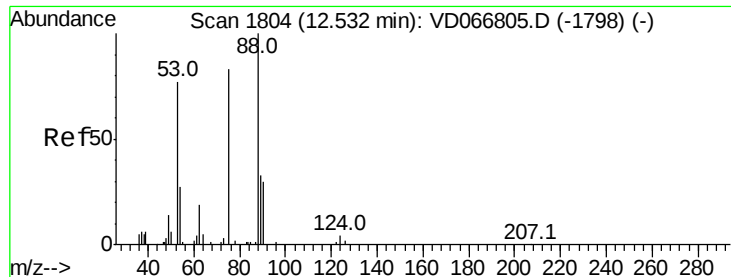
77 1.5 0.0 0.0#



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: 138.557 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066938.D

Acq: 29 Sep 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :

DUP-2

Tot Ion: 75 Resp: 162343

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

