

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066892.D
 Acq On : 26 Sep 2020 01:16
 Operator : VA/SY
 Sample : L4154-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(11-13)

Quant Time: Sep 26 06:39:27 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

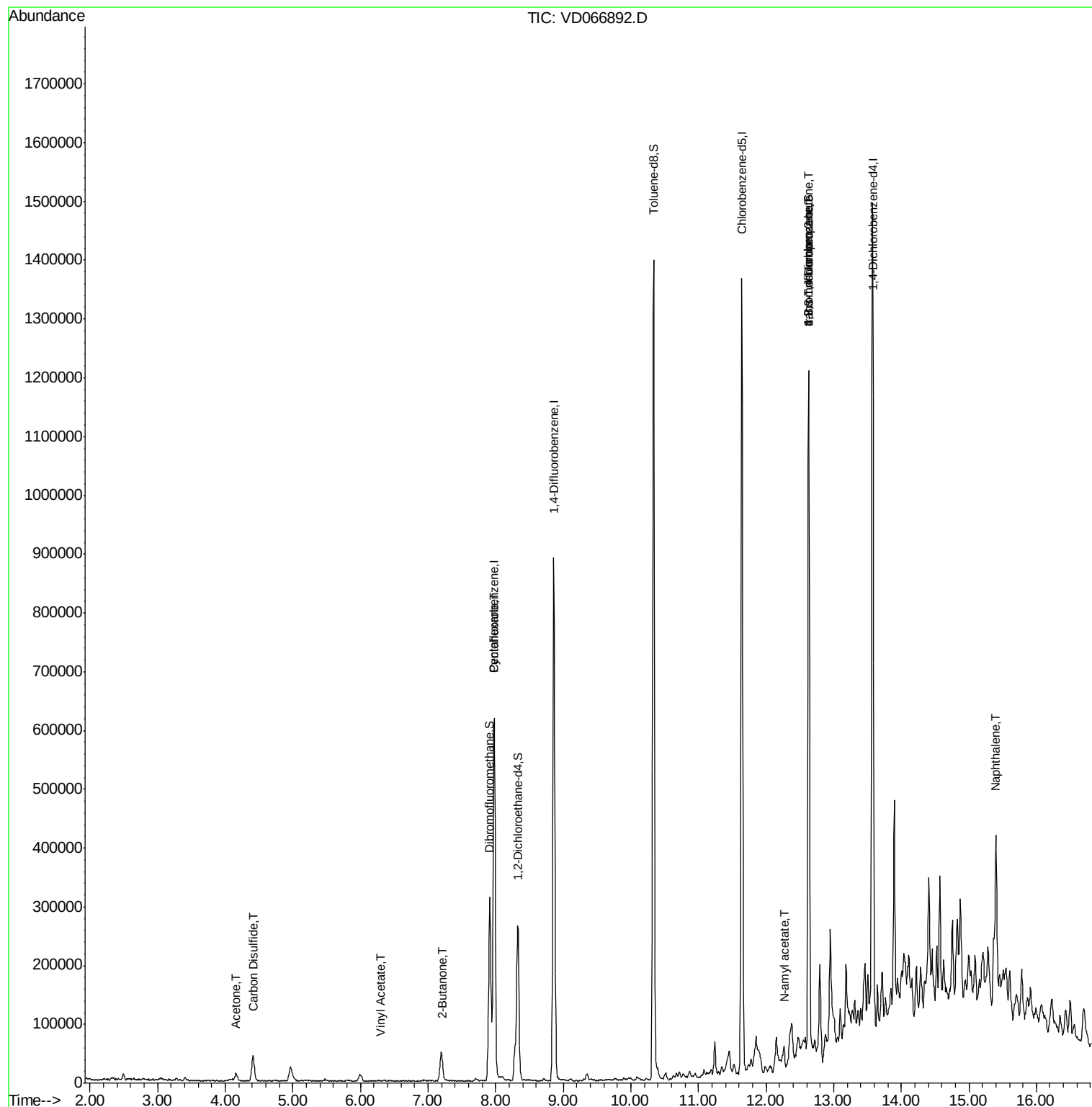
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	452842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	771455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	803957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	384394	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	211550	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.46%	
35) Dibromofluoromethane	7.91	113	222784	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
50) Toluene-d8	10.34	98	936038	55.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.96%	
62) 4-Bromofluorobenzene	12.63	95	366104	63.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1806	Below Cal		92
11) Tert butyl alcohol	5.18	59	1316	Below Cal	#	72
16) Acetone	4.16	43	21665	23.042	ug/l	93
17) Carbon Disulfide	4.41	76	90519	6.677	ug/l	99
18) Methyl Acetate	4.70	43	79	Below Cal	#	50
20) Methylene Chloride	4.97	84	17435	Below Cal		95
23) Vinyl Acetate	6.29	43	465	2.735	ug/l #	71
25) 2-Butanone	7.22	43	7048	6.238	ug/l	99
31) Cyclohexane	7.97	56	11991	1.488	ug/l #	12
74) N-amyl acetate	12.27	43	10808	1.993	ug/l #	54
76) 1,2,3-Trichloropropane	12.63	75	187984	59.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	187984	147.641	ug/l #	10
95) Naphthalene	15.40	128	266664	22.730	ug/l	99

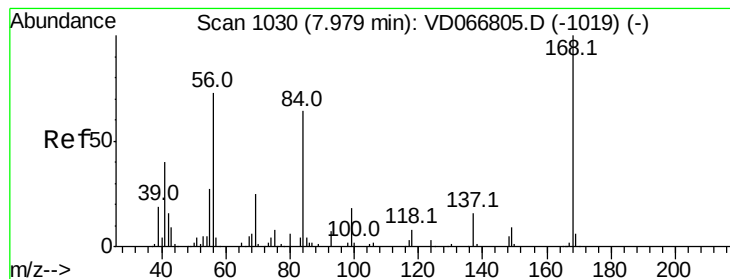
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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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: VD066892.D

Acq: 26 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

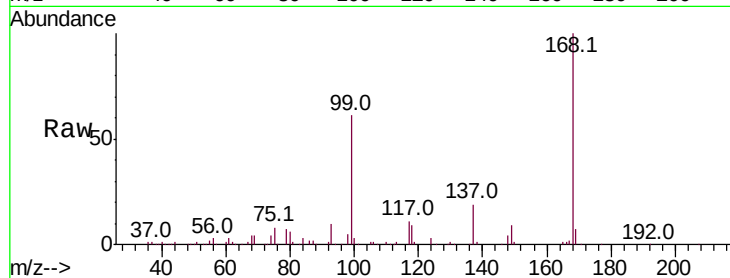
B-1(11-13)

Tot Ion:168 Resp: 452842

Ion Ratio Lower Upper

168 100

99 60.5 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

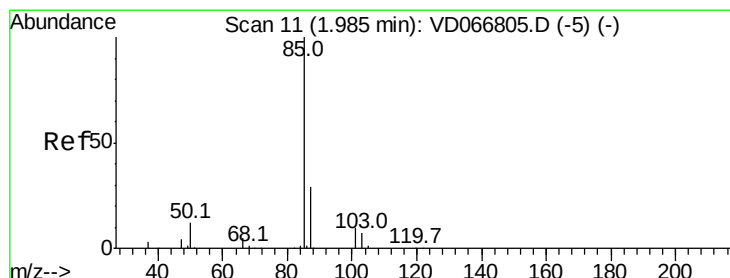
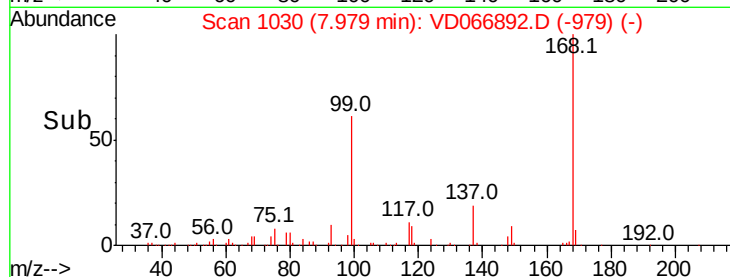
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066892.D

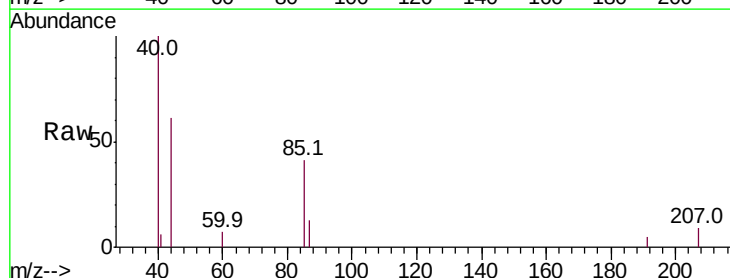
Acq: 26 Sep 2020 01:16

Tgt Ion: 85 Resp: 1806

Ion Ratio Lower Upper

85 100

87 33.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1500

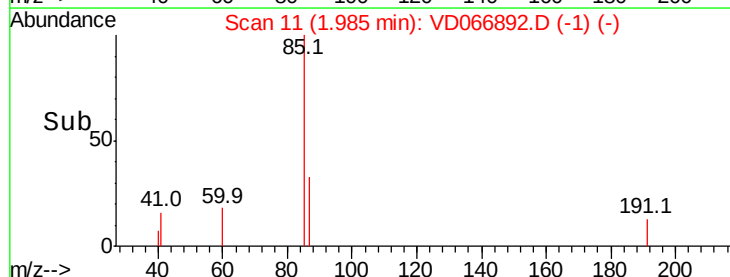
1000

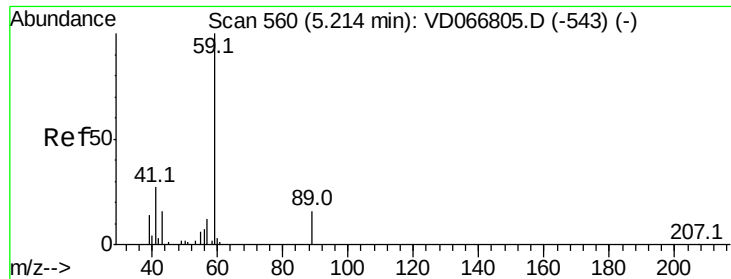
500

0

Time-->

1.94 1.96 1.98 2.00 2.02

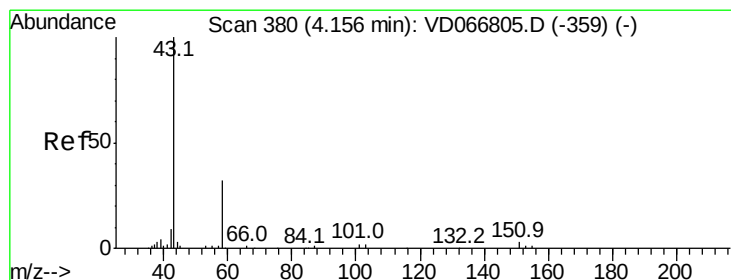
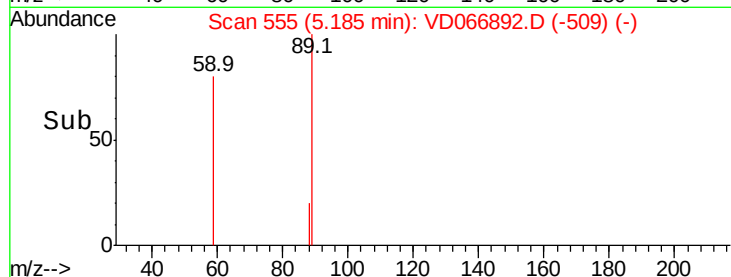
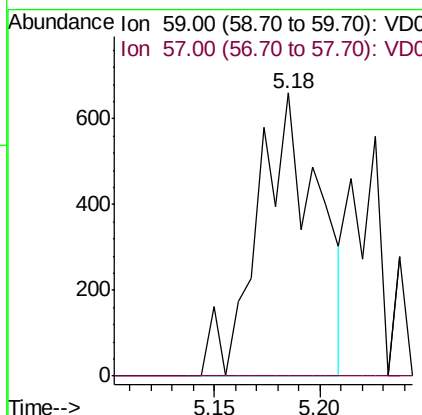
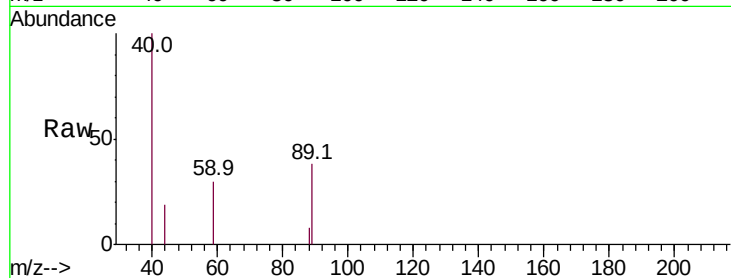




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 555
Delta R.T. -0.03 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

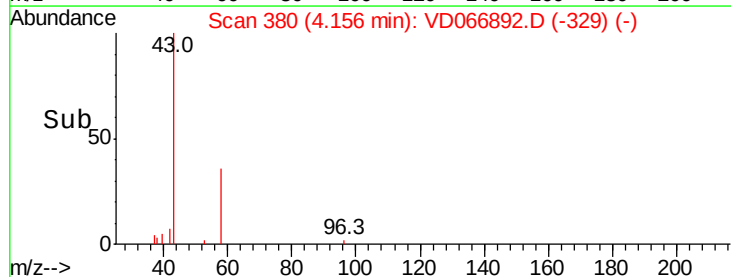
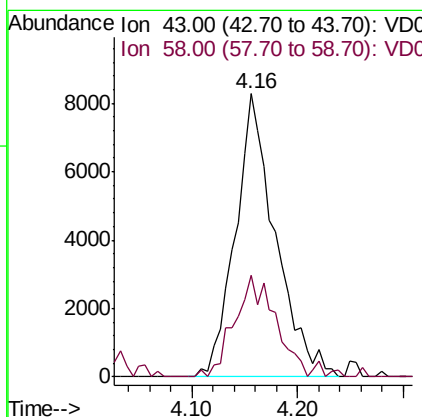
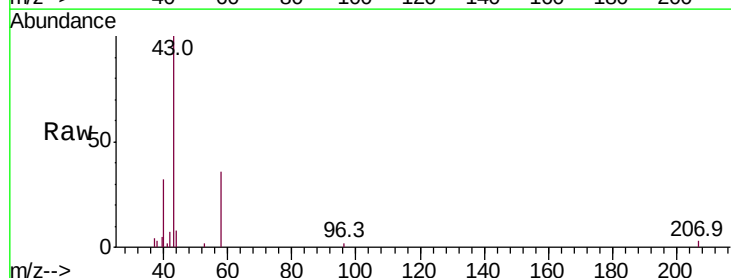
Instrument :
MSVOA_D
ClientSampleId :
B-1(11-13)

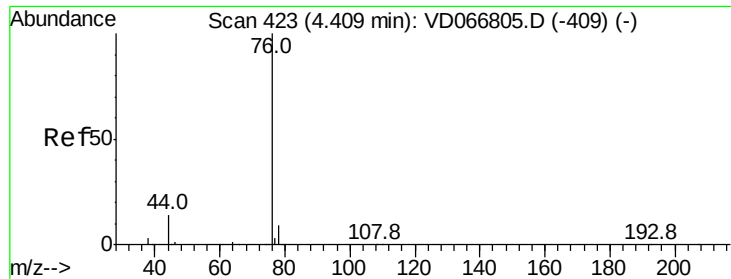
Tot Ion: 59 Resp: 1316
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 23.042 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

Tgt Ion: 43 Resp: 21665
Ion Ratio Lower Upper
43 100
58 35.8 25.6 38.4

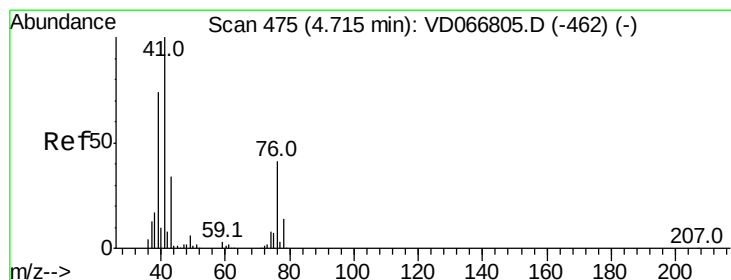
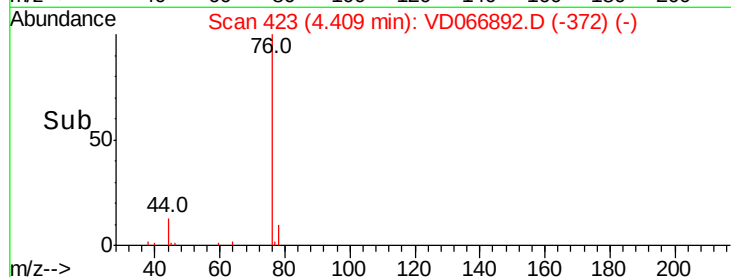
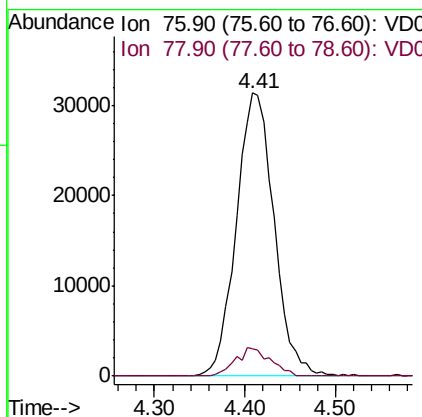
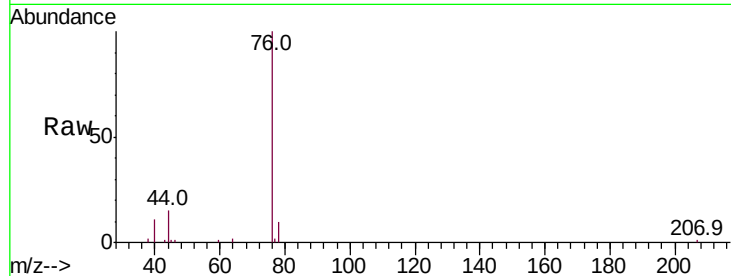




#17
Carbon Disulfide
Concen: 6.677 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

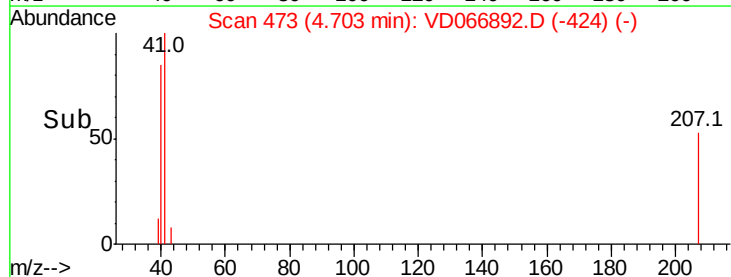
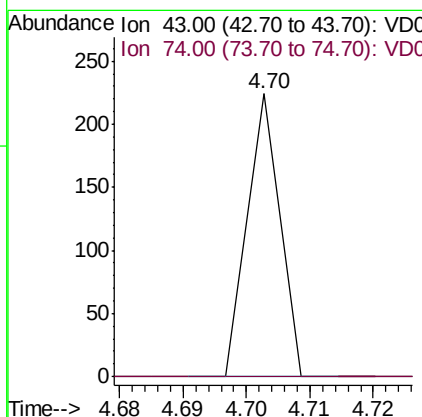
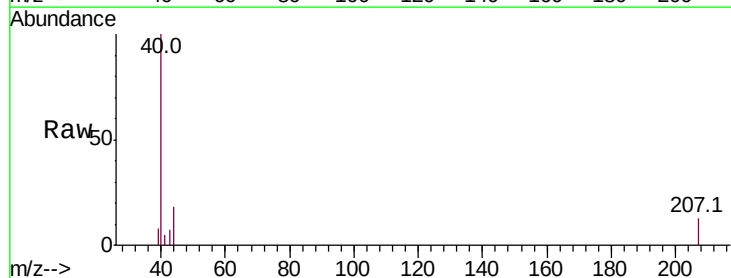
Instrument :
MSVOA_D
ClientSampleId :
B-1(11-13)

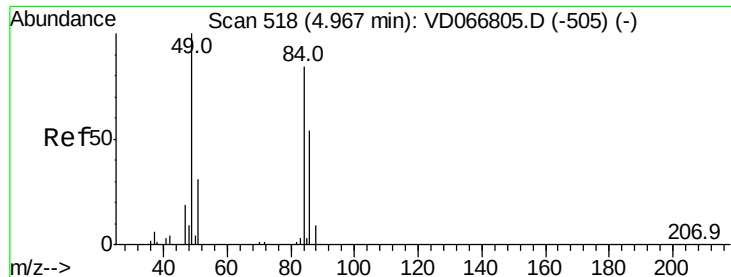
Tot Ion: 76 Resp: 90519
Ion Ratio Lower Upper
76 100
78 9.8 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

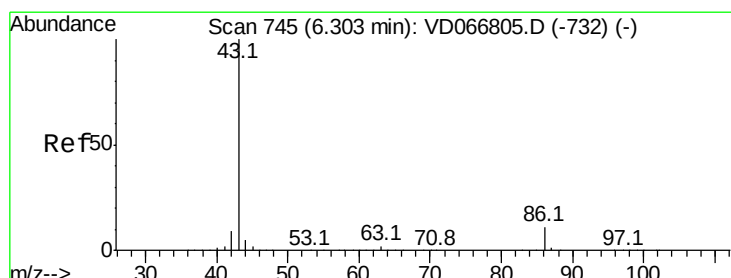
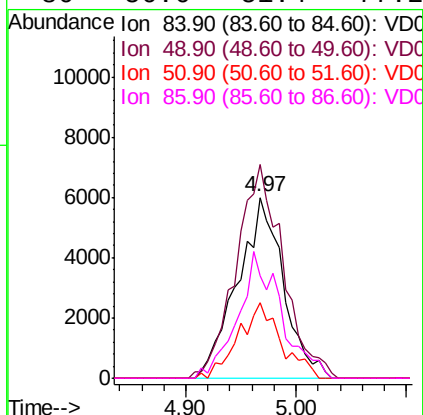
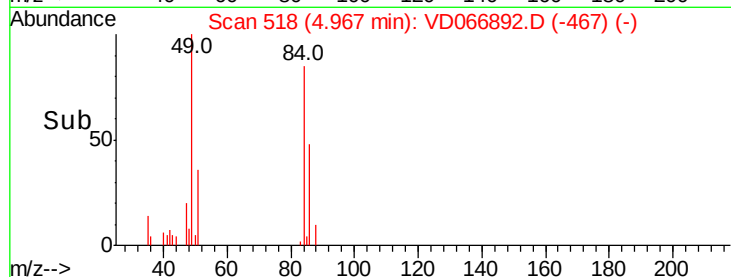
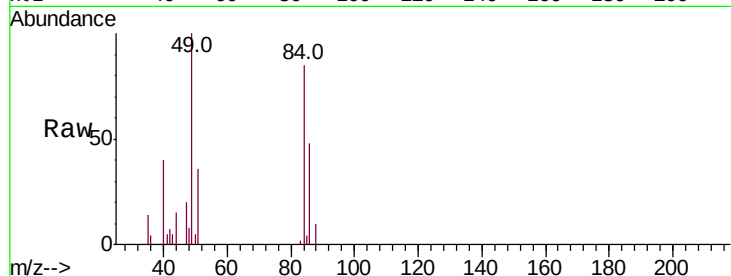




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

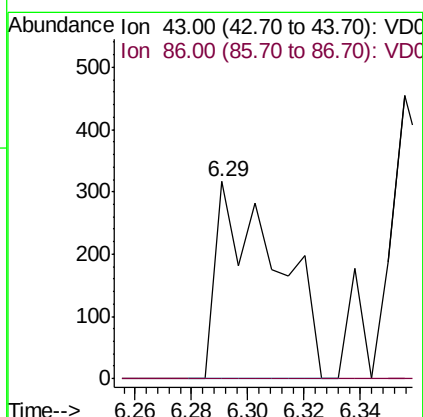
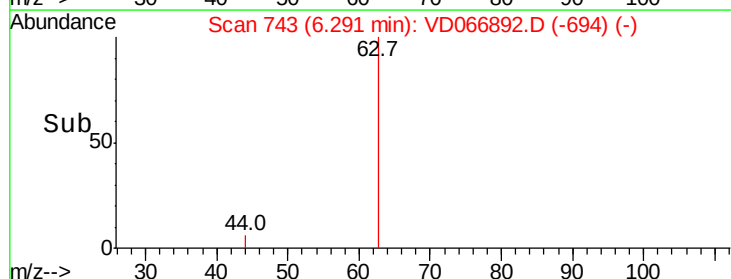
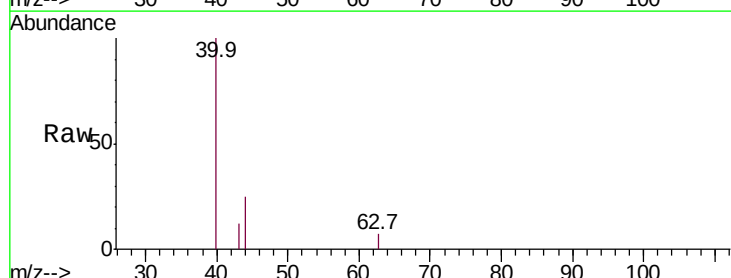
Instrument :
MSVOA_D
ClientSampleId :
B-1(11-13)

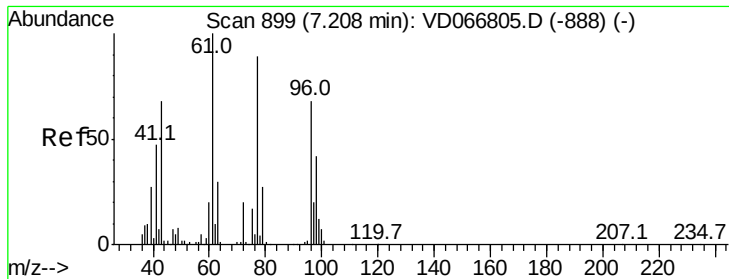
Tot Ion: 84 Resp: 17435
Ion Ratio Lower Upper
84 100
49 118.0 95.4 143.2
51 41.9 29.7 44.5
86 56.6 51.4 77.2



#23
Vinyl Acetate
Concen: 2.735 ug/l
RT: 6.29 min Scan# 743
Delta R.T. -0.01 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#





#25

2-Butanone

Concen: 6.238 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

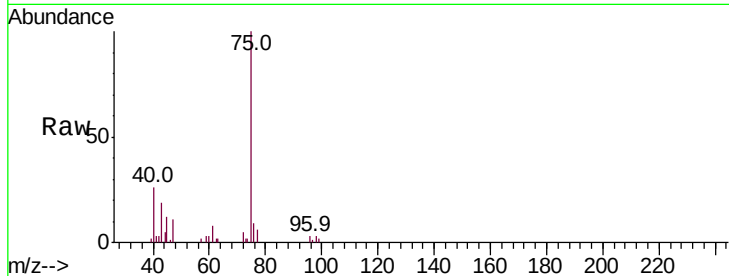
B-1(11-13)

Tot Ion: 43 Resp: 7048

Ion Ratio Lower Upper

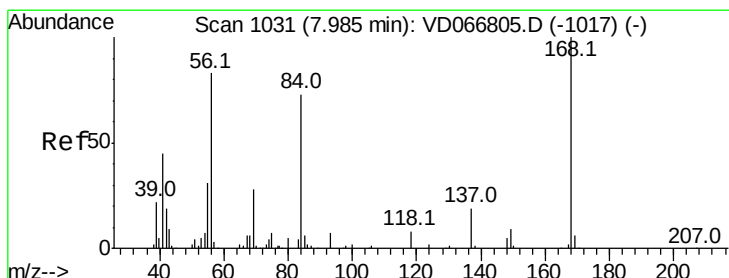
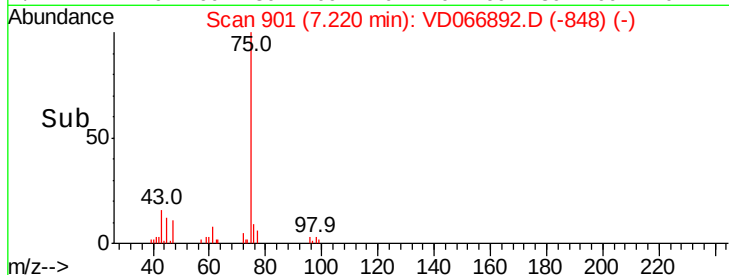
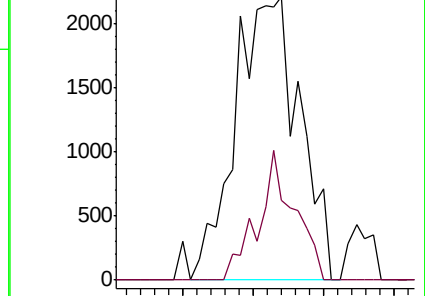
43 100

72 28.1 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: 1.488 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

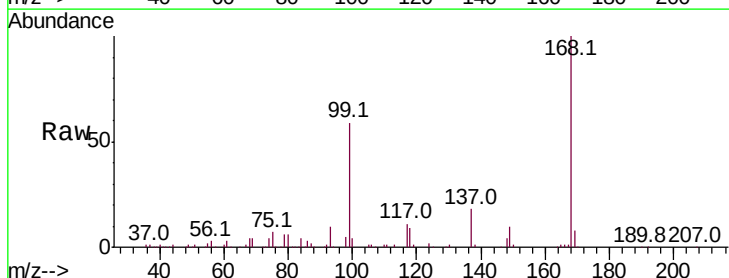
Tgt Ion: 56 Resp: 11991

Ion Ratio Lower Upper

56 100

69 152.4 27.0 40.4#

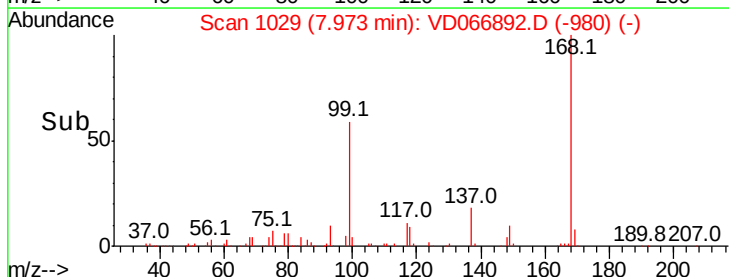
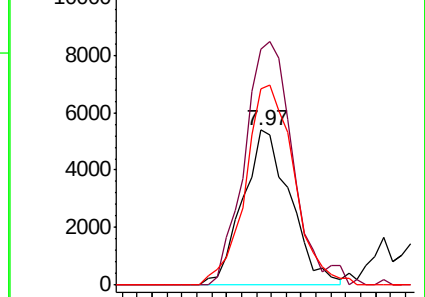
84 127.2 70.2 105.4#

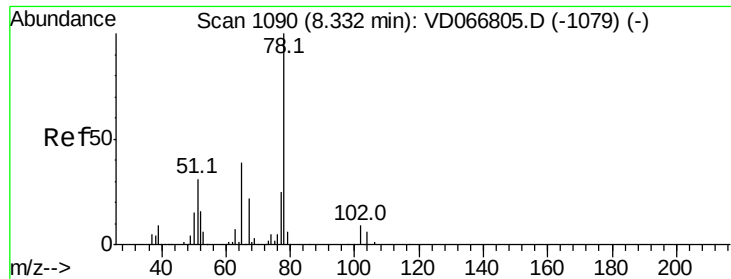


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

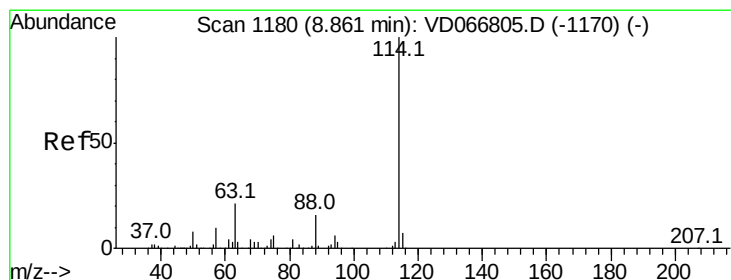
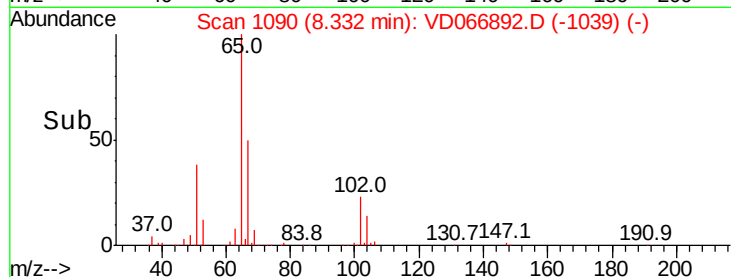
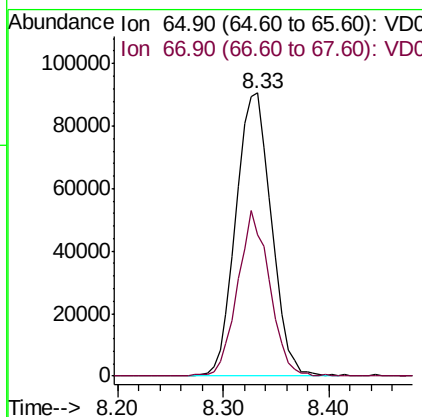
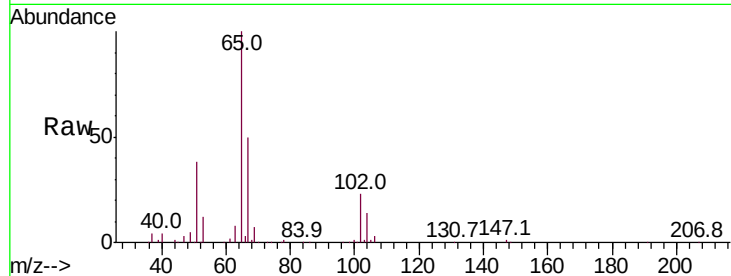




#33
 1,2-Dichloroethane-d4
 Concen: 47.730 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066892.D
 Acq: 26 Sep 2020 01:16

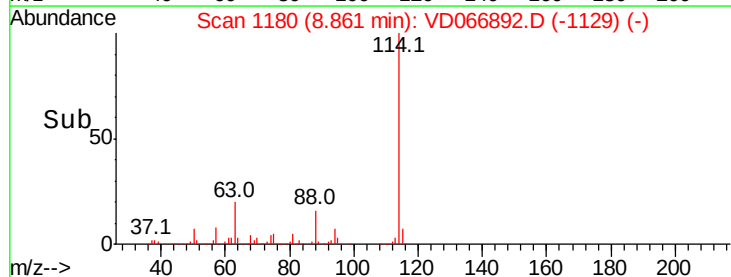
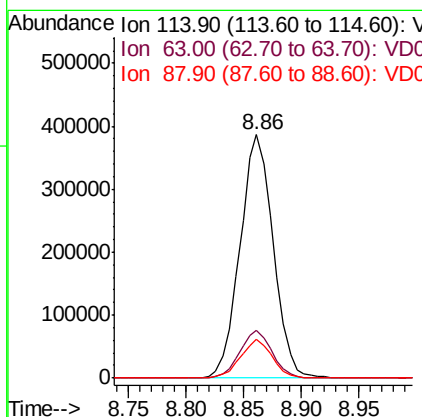
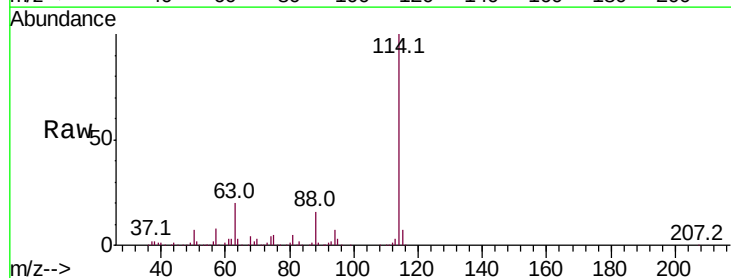
Instrument :
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 B-1(11-13)

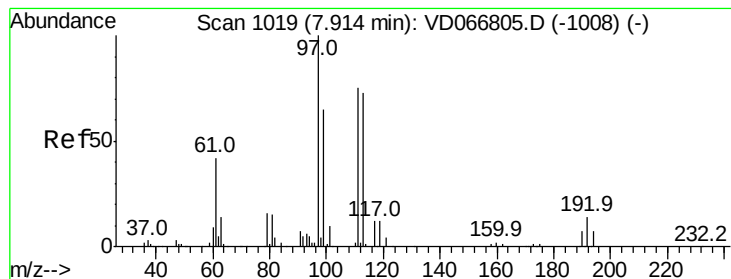
Tot Ion: 65 Resp: 211550
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066892.D
 Acq: 26 Sep 2020 01:16

Tgt Ion: 114 Resp: 771455
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.6
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.392 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-13)

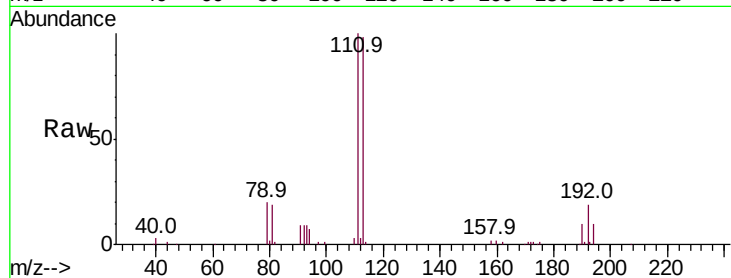
Tot Ion:113 Resp: 222784

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

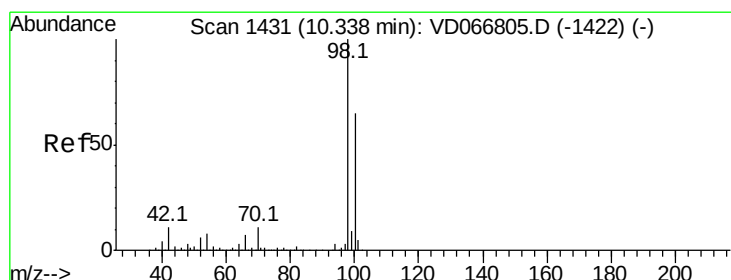
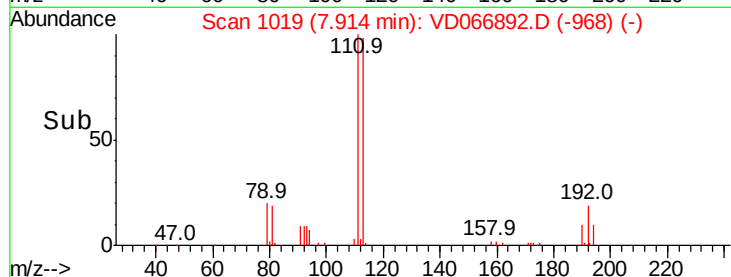
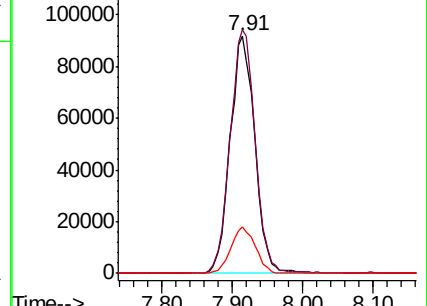
192 19.4 14.4 21.6



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



#50

Toluene-d8

Concen: 55.975 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066892.D

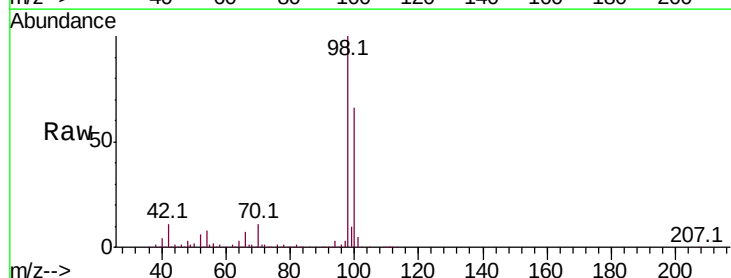
Acq: 26 Sep 2020 01:16

Tgt Ion: 98 Resp: 936038

Ion Ratio Lower Upper

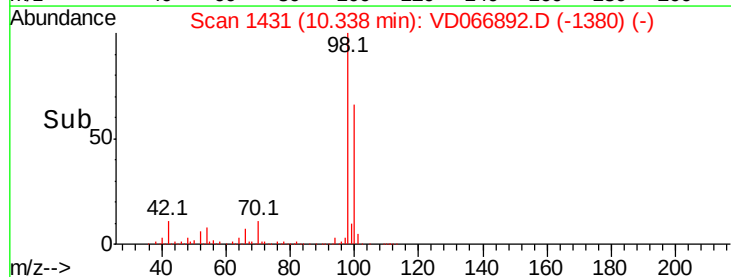
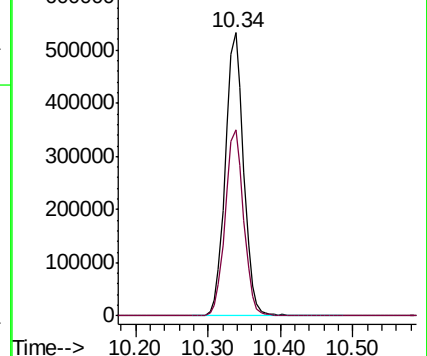
98 100

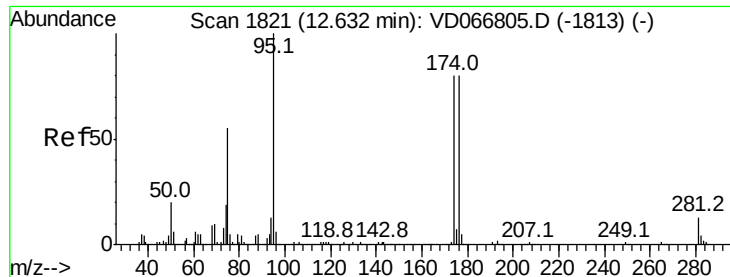
100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

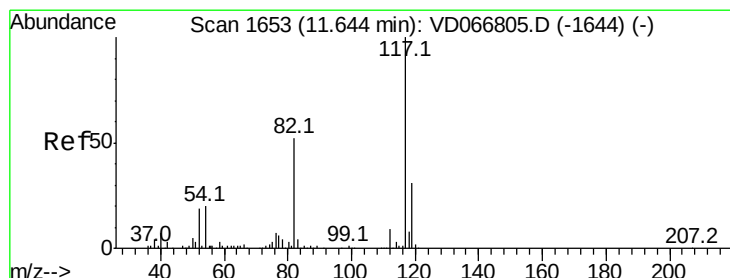
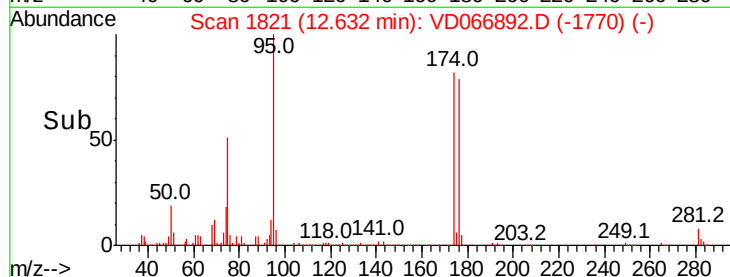
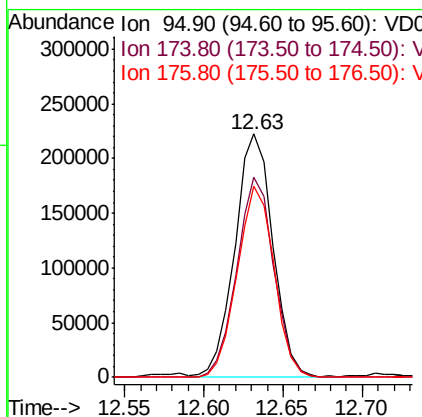
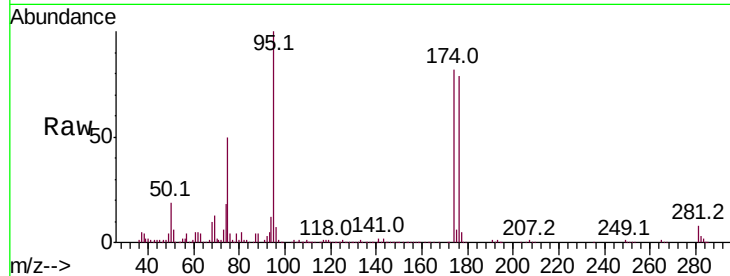




#62
4-Bromofluorobenzene
Concen: 63.952 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

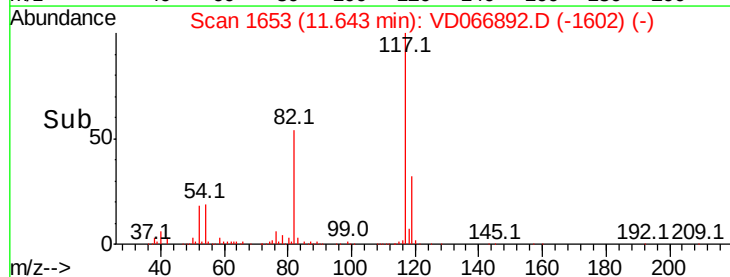
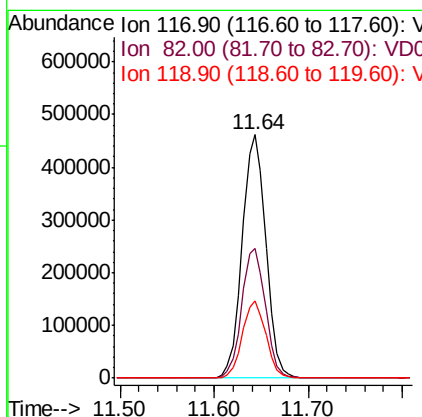
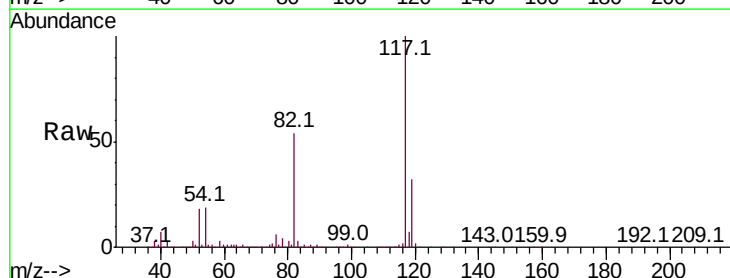
Instrument :
MSVOA_D
ClientSampleId :
B-1(11-13)

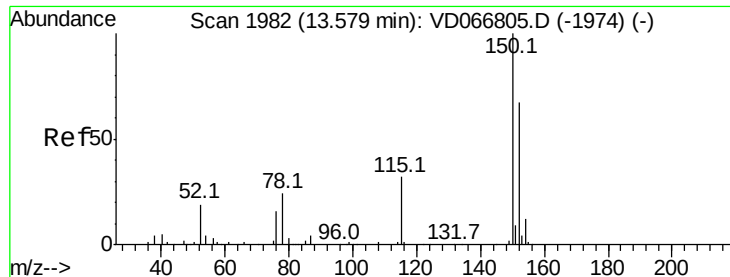
Tot Ion: 95 Resp: 366104
Ion Ratio Lower Upper
95 100
174 81.1 0.0 159.8
176 77.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

Tgt Ion: 117 Resp: 803957
Ion Ratio Lower Upper
117 100
82 53.4 41.8 62.6
119 31.9 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: VD066892.D

Acq: 26 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-13)

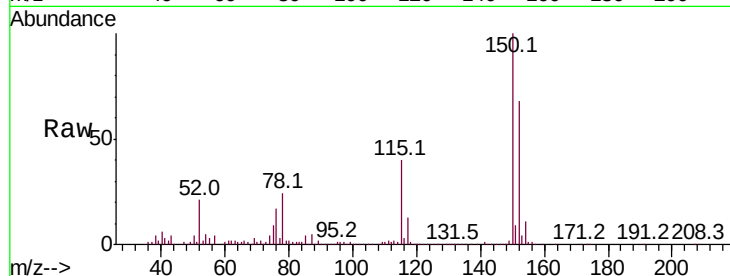
Tot Ion:152 Resp: 384394

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

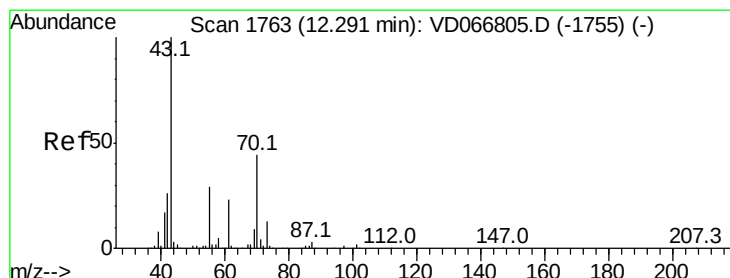
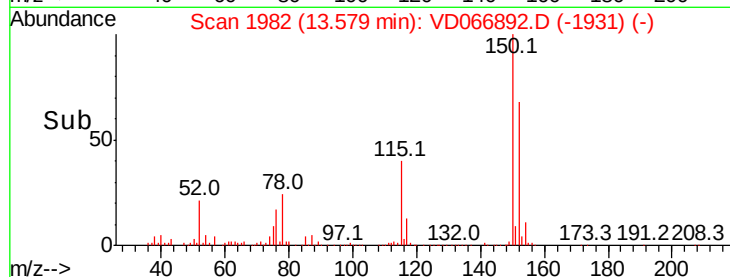
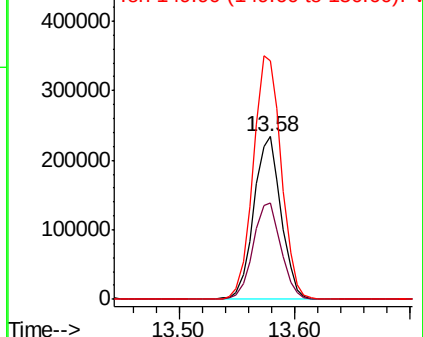
150 154.4 0.0 346.2



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



#74

N-ethyl acetate

Concen: 1.993 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

Tgt Ion: 43 Resp: 10808

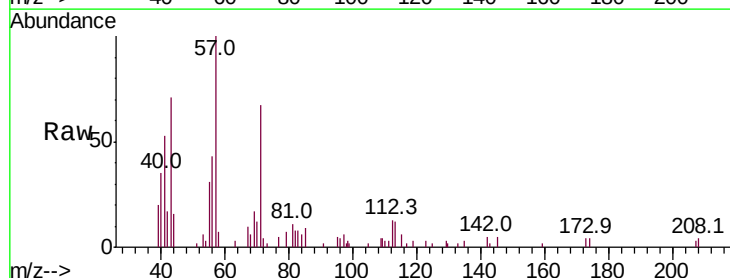
Ion Ratio Lower Upper

43 100

70 17.9 36.1 54.1#

55 0.0 21.8 32.8#

61 0.0 19.0 28.4#

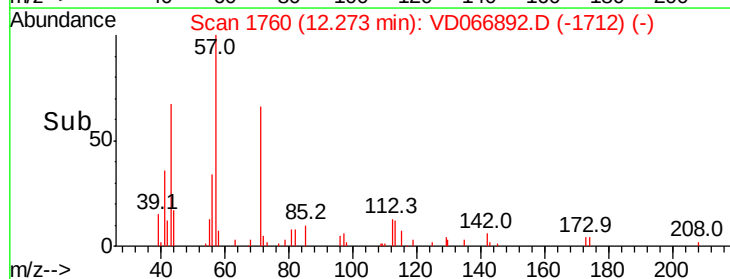
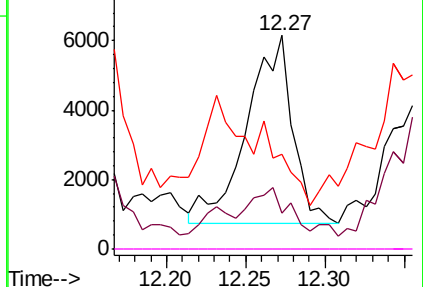


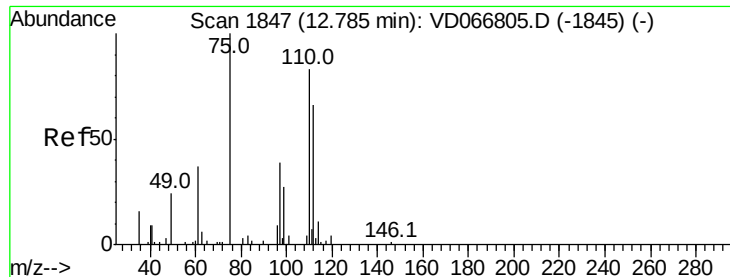
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 59.011 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

Instrument :

MSVOA_D

ClientSampleId :

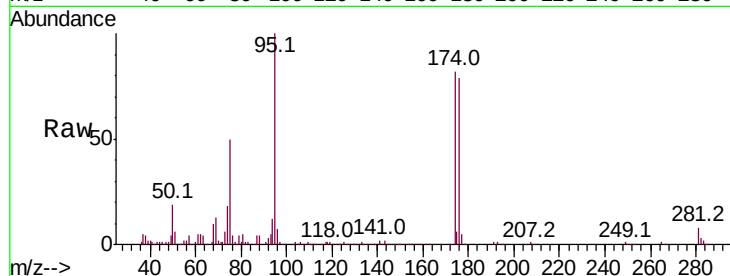
B-1(11-13)

Tot Ion: 75 Resp: 187984

Ion Ratio Lower Upper

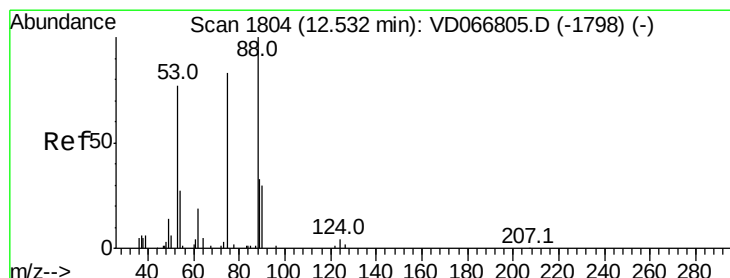
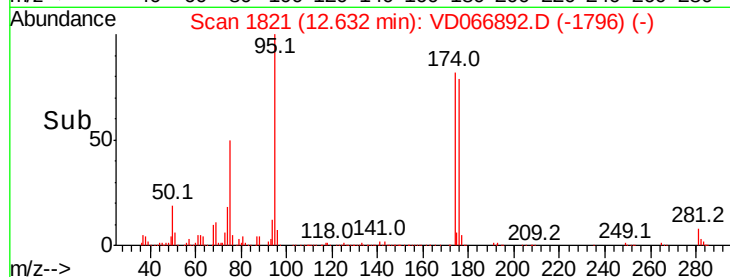
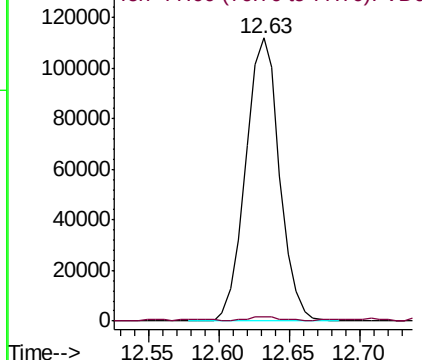
75 100

77 1.5 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: 147.641 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066892.D

Acq: 26 Sep 2020 01:16

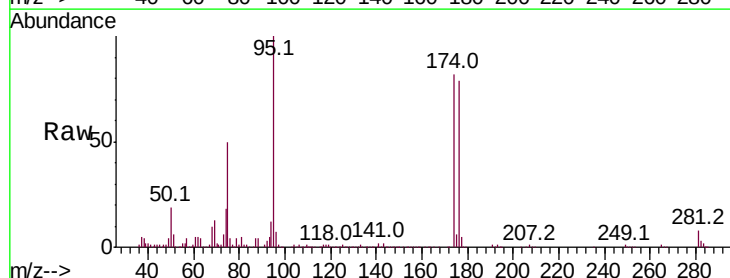
Tgt Ion: 75 Resp: 187984

Ion Ratio Lower Upper

75 100

53 0.3 78.5 117.7#

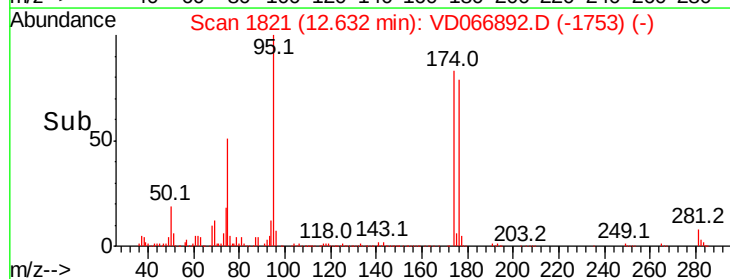
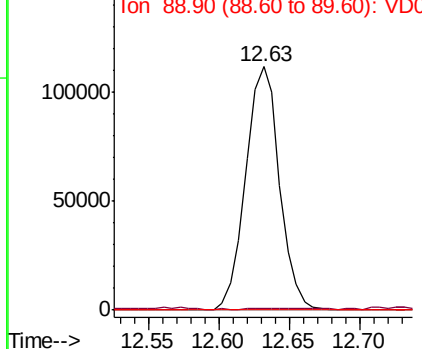
89 0.1 38.1 57.1#

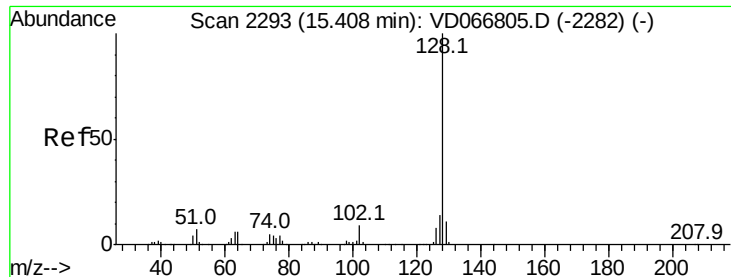


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

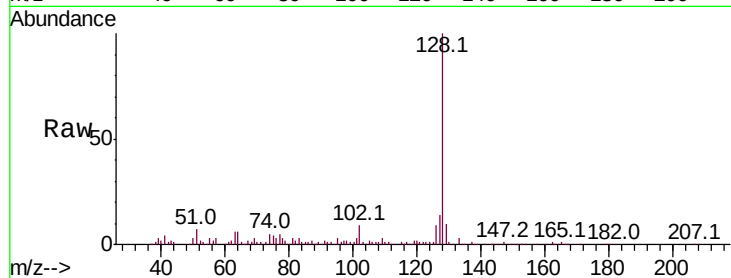




#95
Naphthalene
Concen: 22.730 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066892.D
Acq: 26 Sep 2020 01:16

Instrument :
MSVOA_D
ClientSampleId :
B-1(11-13)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.5	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

