

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066955.D
 Acq On : 30 Sep 2020 00:04
 Operator : VA/SY
 Sample : L4179-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(7-9)

Quant Time: Sep 30 04:23:15 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	422302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	737153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197938	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.91	113	222388	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.34	98	864317	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.63	95	315360	58.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.76%	

Target Compounds

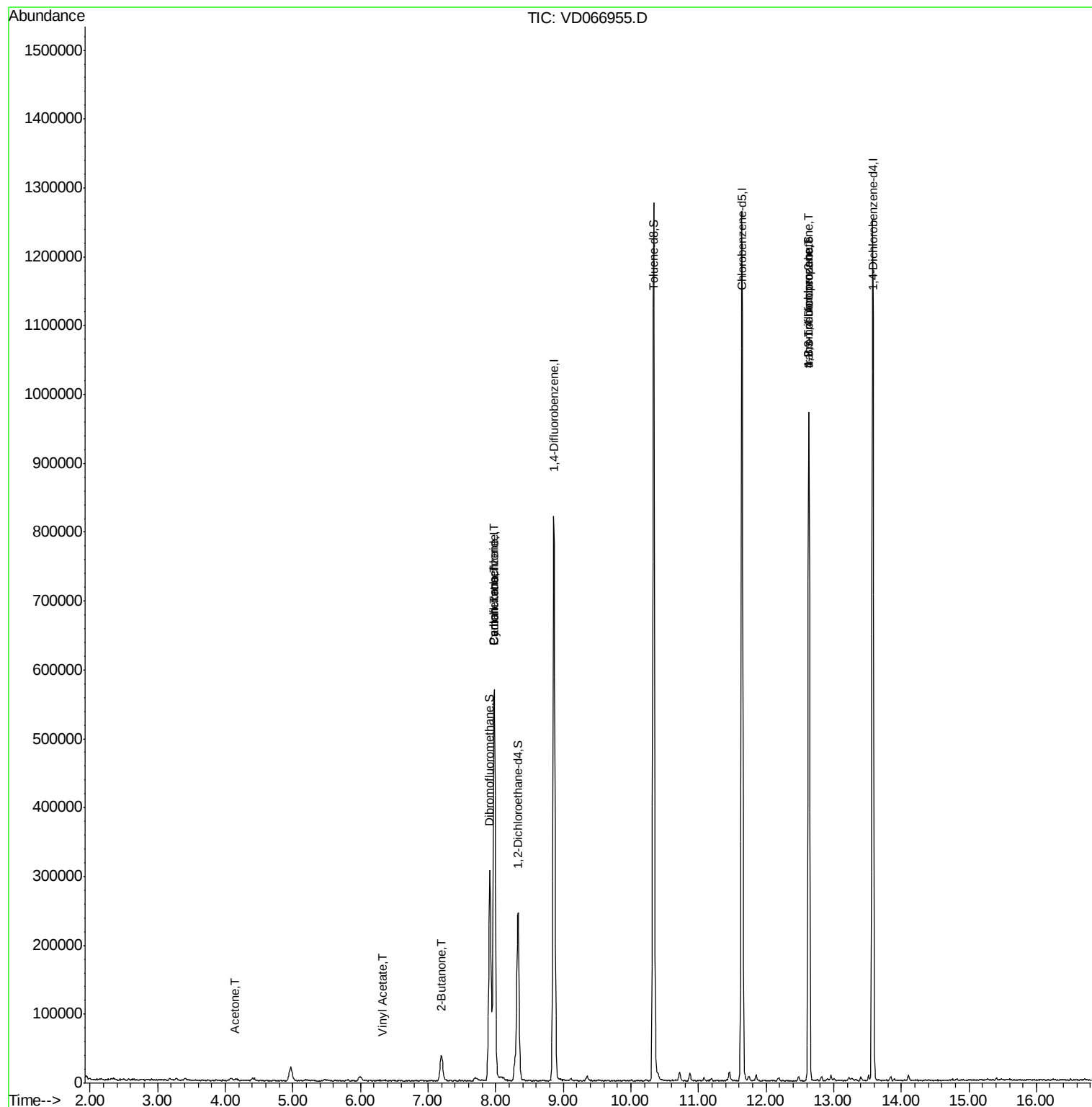
					Qvalue
2) Dichlorodifluoromethane	1.99	85	1325	Below Cal	# 71
11) Tert butyl alcohol	5.20	59	250	Below Cal	# 72
16) Acetone	4.15	43	5697	6.497 ug/l	# 87
18) Methyl Acetate	4.67	43	138	Below Cal	# 50
20) Methylene Chloride	4.97	84	14917	Below Cal	# 90
23) Vinyl Acetate	6.33	43	161	2.695 ug/l	# 71
25) 2-Butanone	7.20	43	2575	2.444 ug/l	# 99
31) Cyclohexane	7.97	56	11181	1.488 ug/l	# 18
38) Carbon Tetrachloride	7.98	117	44872	5.732 ug/l	# 19
76) 1,2,3-Trichloropropane	12.64	75	159318	57.763 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	159318	144.518 ug/l	# 10

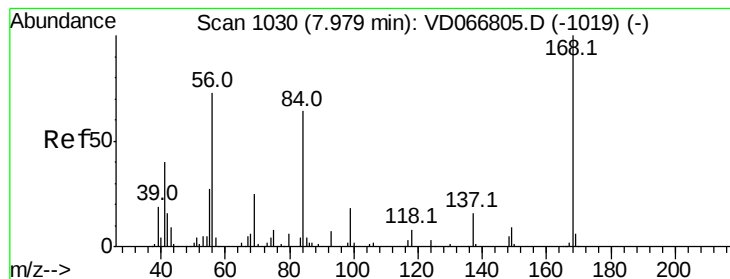
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
Data File : VD066955.D
Acq On : 30 Sep 2020 00:04
Operator : VA/SY
Sample : L4179-02
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-9(7-9)

Quant Time: Sep 30 04:23:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
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: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

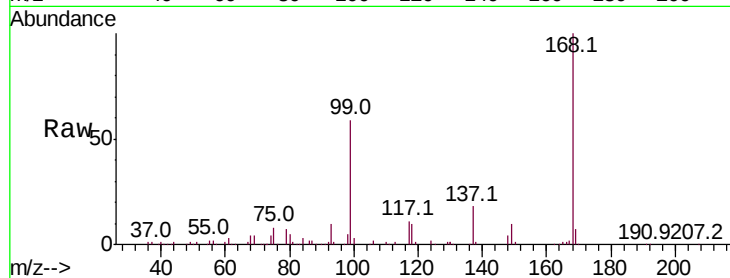
B-9(7-9)

Tot Ion:168 Resp: 422302

Ion Ratio Lower Upper

168 100

99 58.7 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

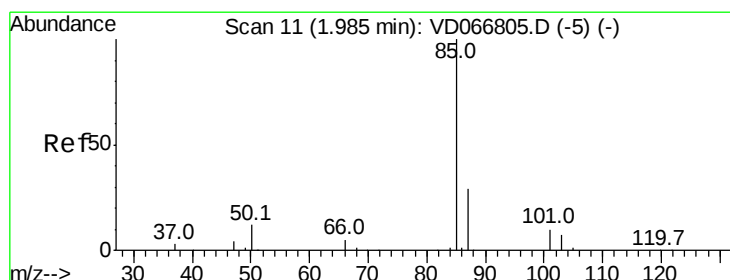
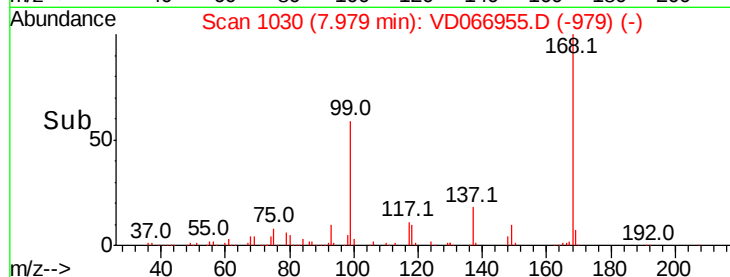
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066955.D

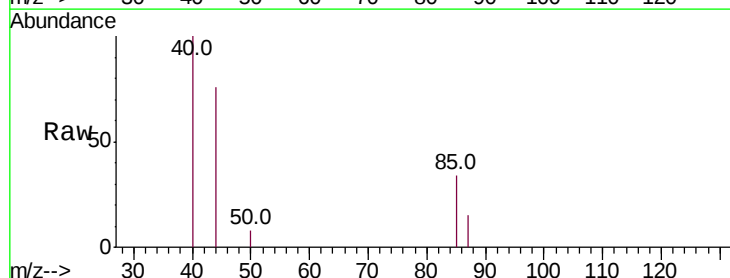
Acq: 30 Sep 2020 00:04

Tgt Ion: 85 Resp: 1325

Ion Ratio Lower Upper

85 100

87 44.3 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

1000

800

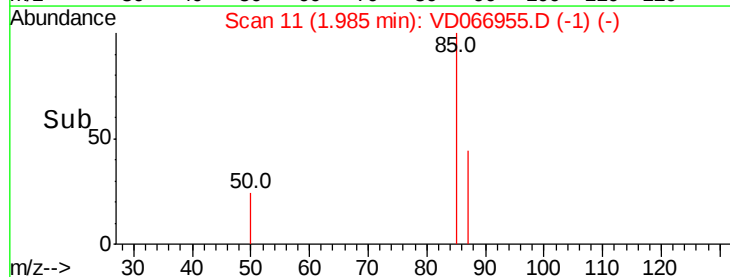
600

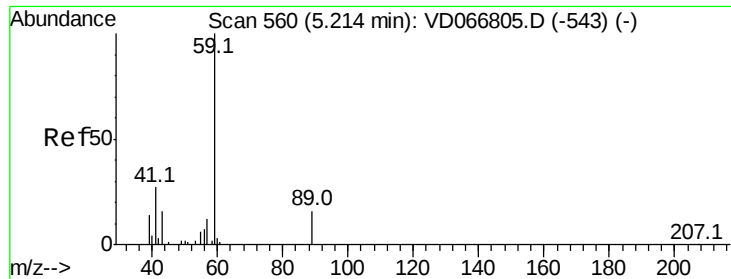
400

200

0

Time-->

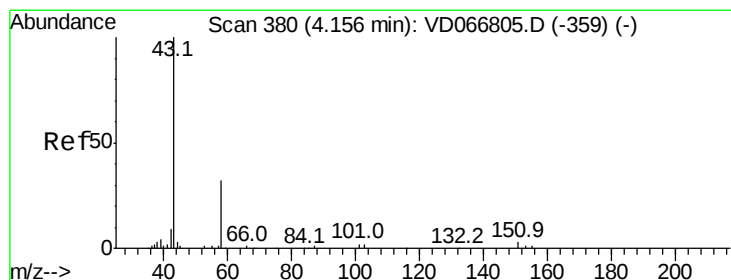
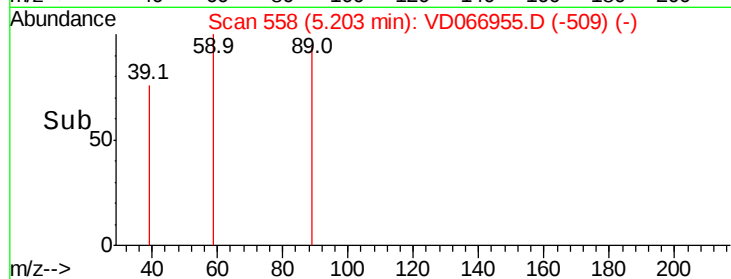
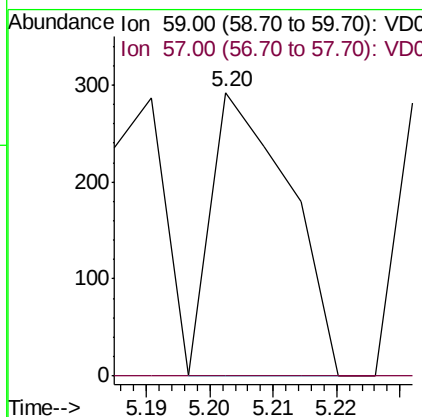
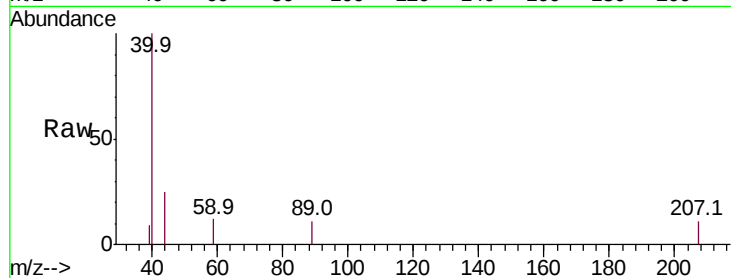




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

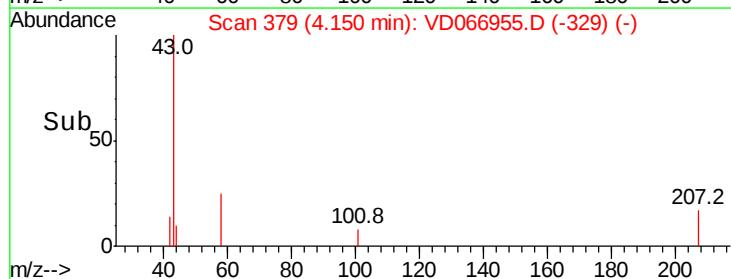
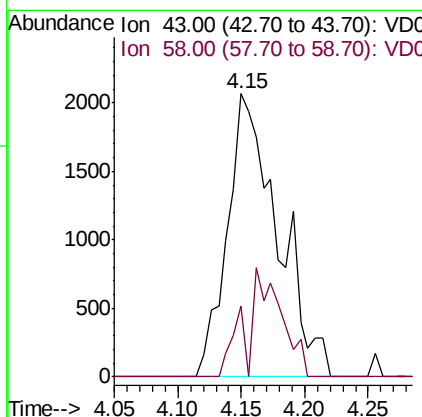
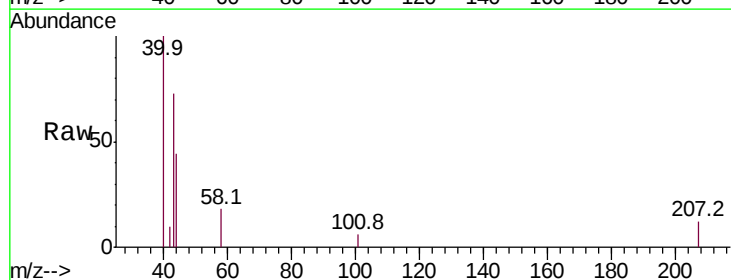
Instrument :
MSVOA_D
ClientSampleId :
B-9(7-9)

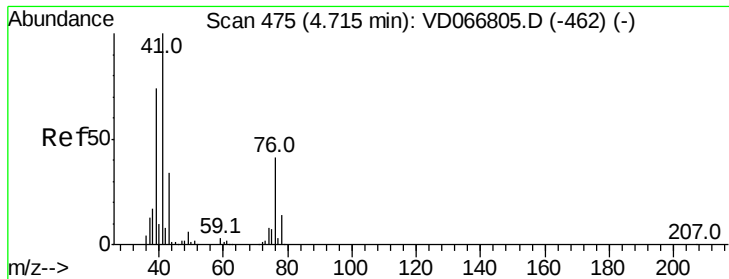
Tot Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.497 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

Tgt Ion: 43 Resp: 5697
Ion Ratio Lower Upper
43 100
58 24.8 25.6 38.4#

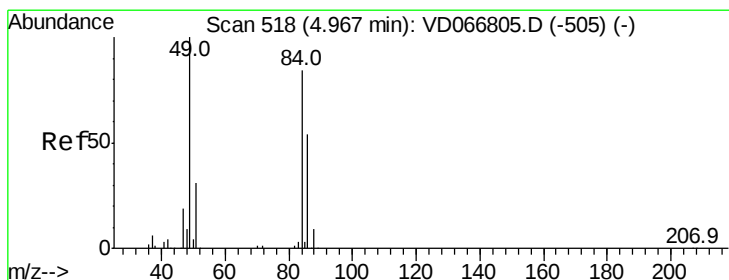
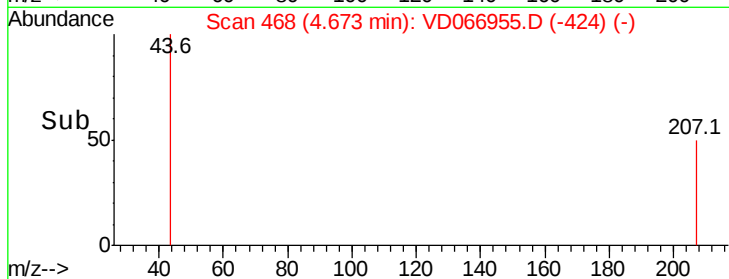
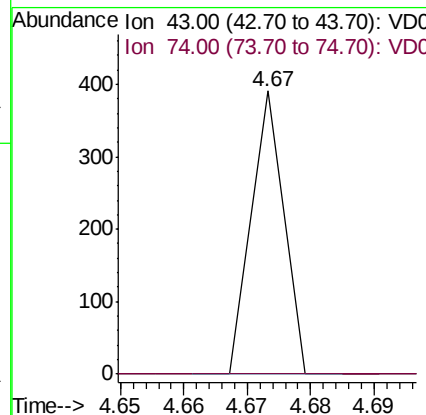
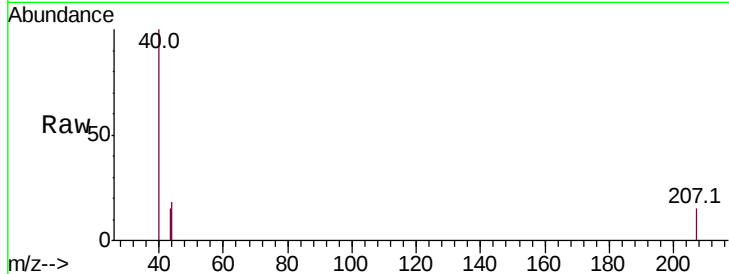




#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 468
Delta R.T. -0.04 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

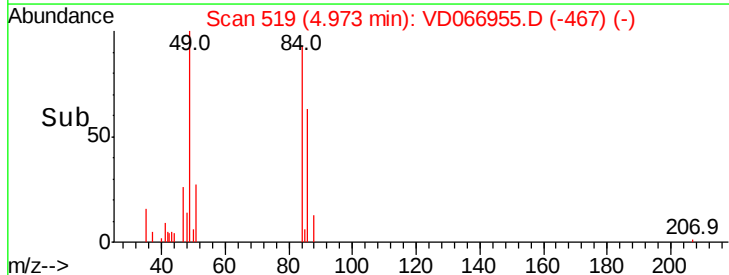
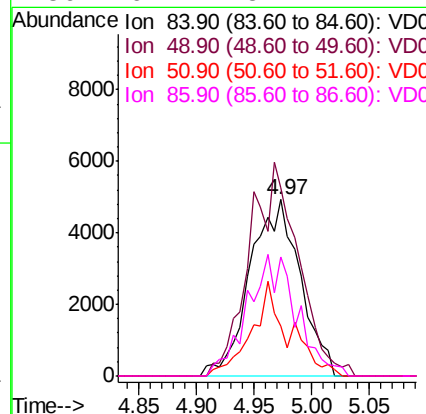
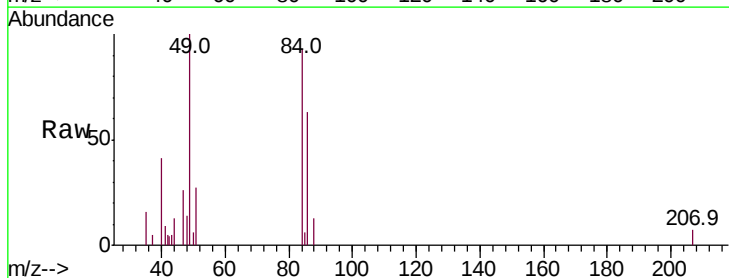
Instrument :
MSVOA_D
ClientSampleId :
B-9(7-9)

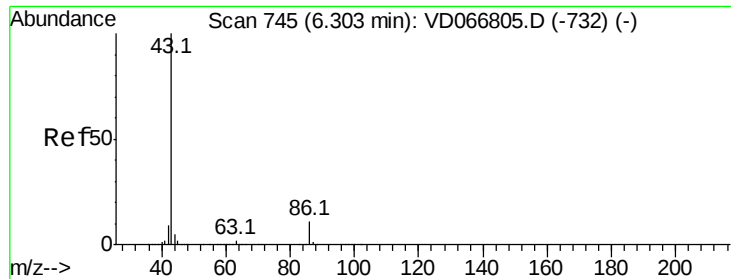
Tot Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

Tgt Ion: 84 Resp: 14917
Ion Ratio Lower Upper
84 100
49 107.0 95.4 143.2
51 28.6 29.7 44.5#
86 67.4 51.4 77.2





#23

Vinyl Acetate

Concen: 2.695 ug/l

RT: 6.33 min Scan# 749

Delta R.T. 0.02 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

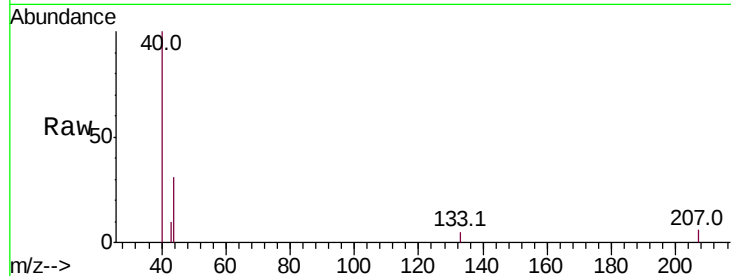
B-9(7-9)

Tot Ion: 43 Resp: 161

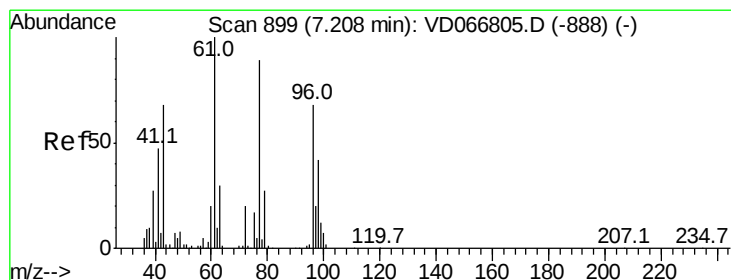
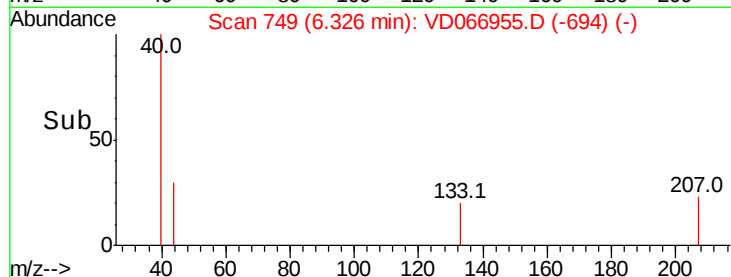
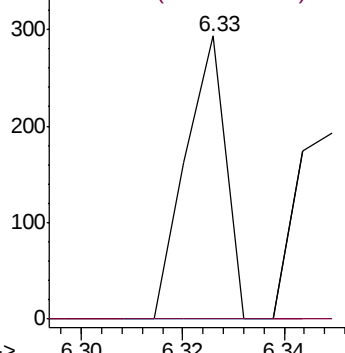
Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#25

2-Butanone

Concen: 2.444 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066955.D

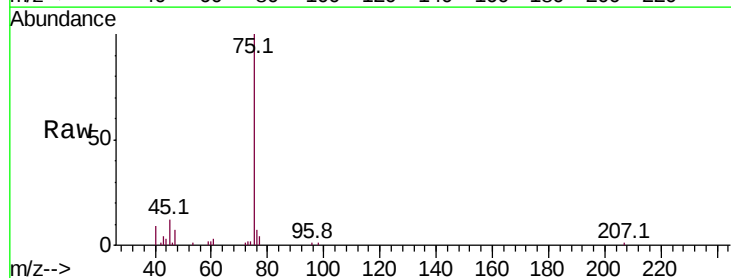
Acq: 30 Sep 2020 00:04

Tgt Ion: 43 Resp: 2575

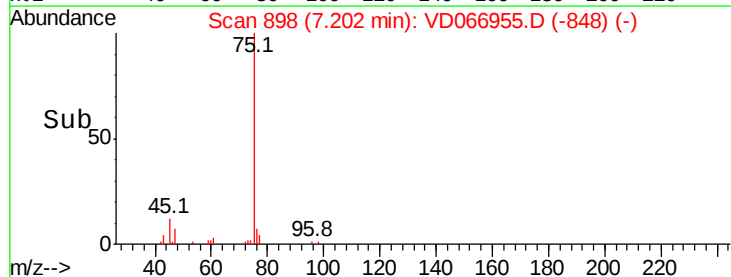
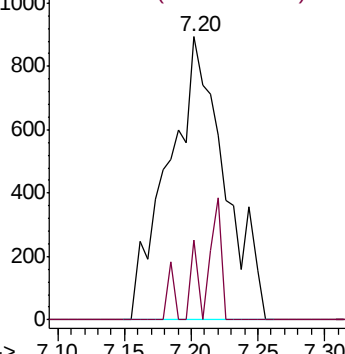
Ion Ratio Lower Upper

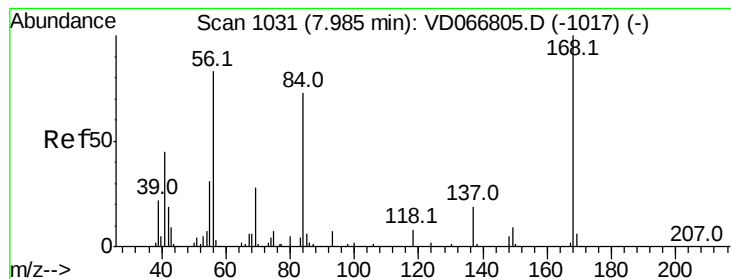
43 100

72 28.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC





#31

Cyclohexane

Concen: 1.488 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleID :

B-9(7-9)

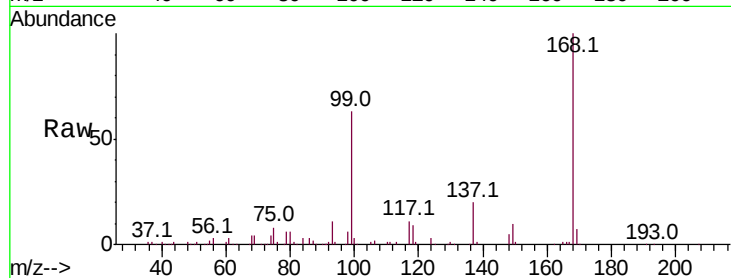
Tot Ion: 56 Resp: 11181

Ion Ratio Lower Upper

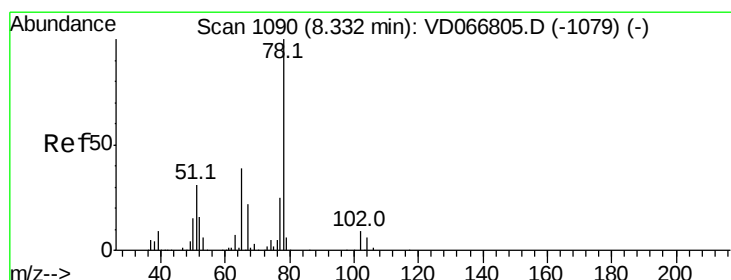
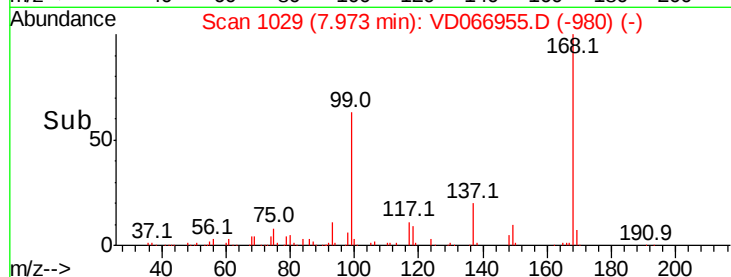
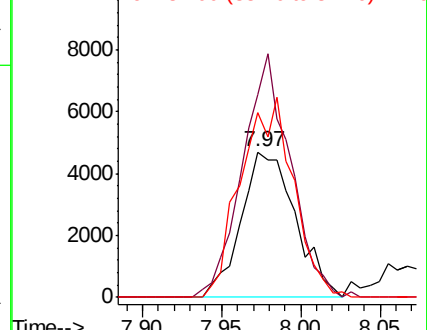
56 100

69 139.3 27.0 40.4#

84 127.4 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: 47.888 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066955.D

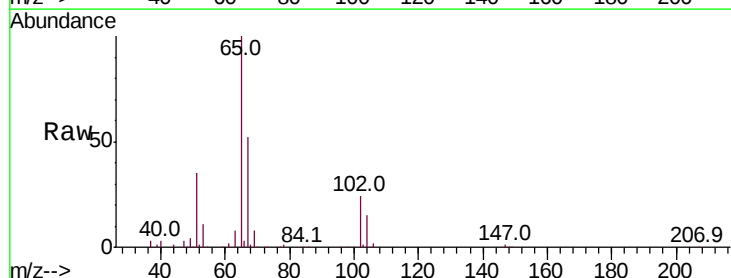
Acq: 30 Sep 2020 00:04

Tgt Ion: 65 Resp: 197938

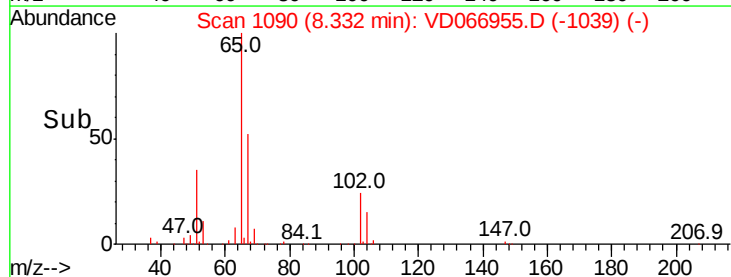
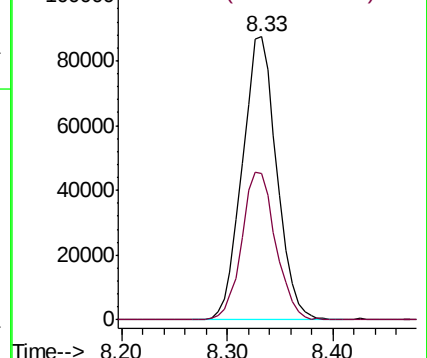
Ion Ratio Lower Upper

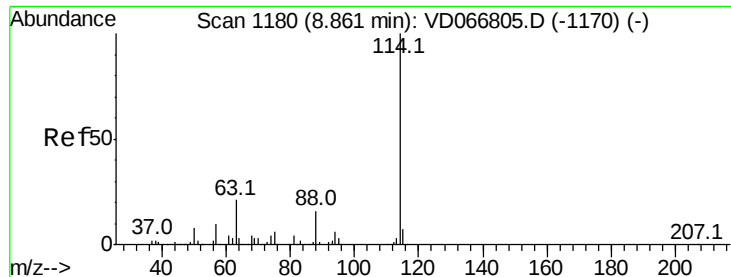
65 100

67 51.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

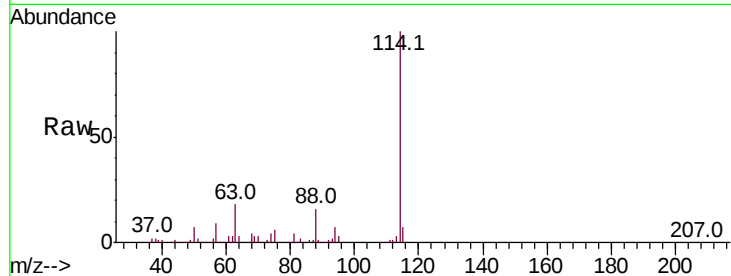




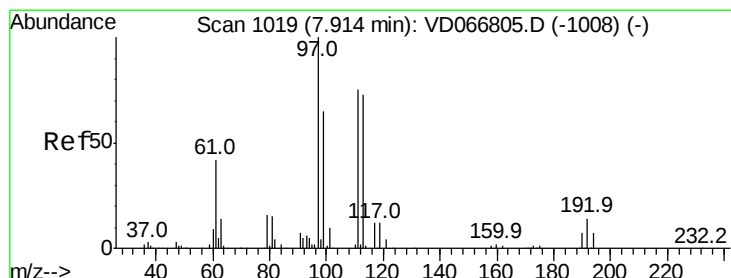
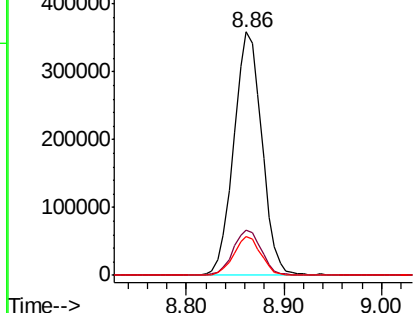
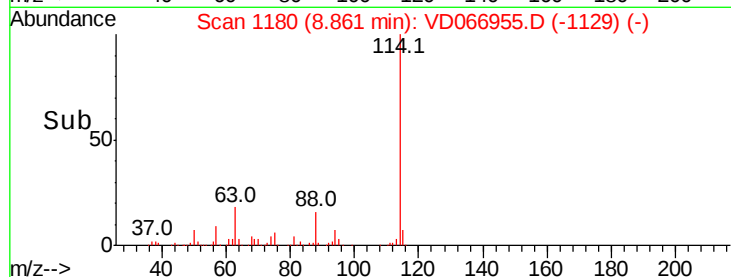
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066955.D
 Acq: 30 Sep 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(7-9)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	42.6
88	15.8	0.0	32.6

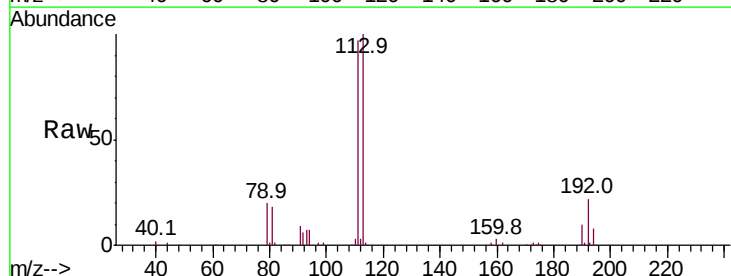


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

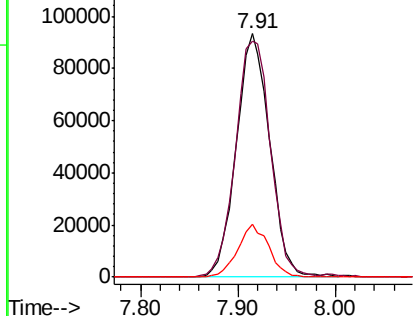
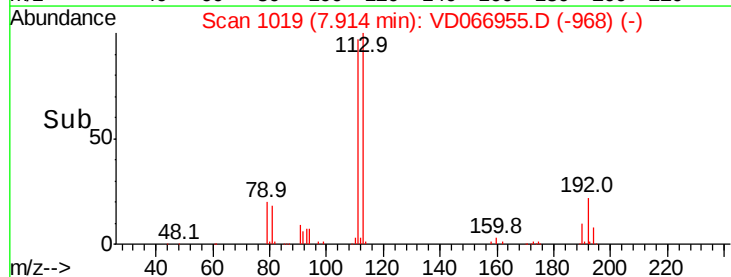


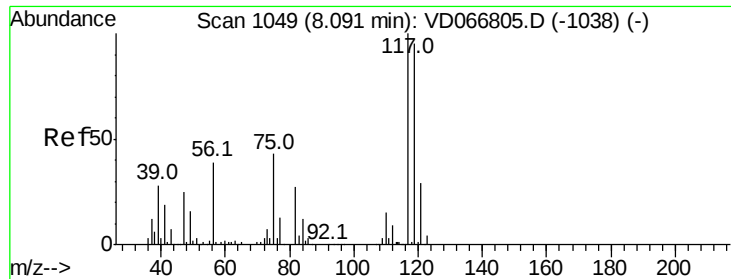
#35
 Dibromofluoromethane
 Concen: 48.429 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066955.D
 Acq: 30 Sep 2020 00:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	20.0	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

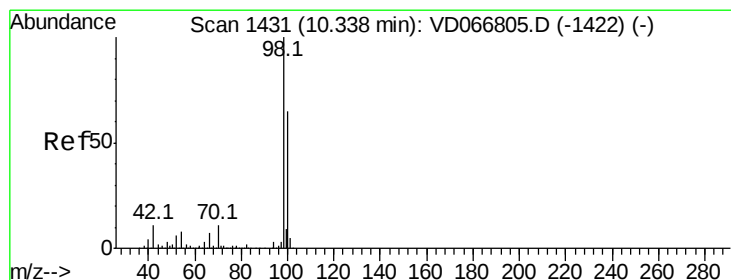
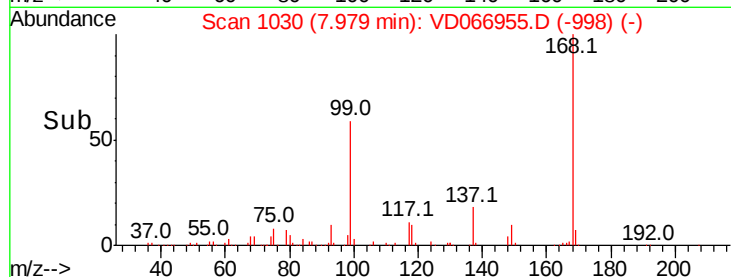
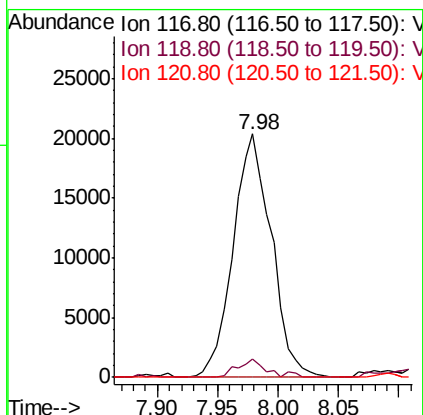
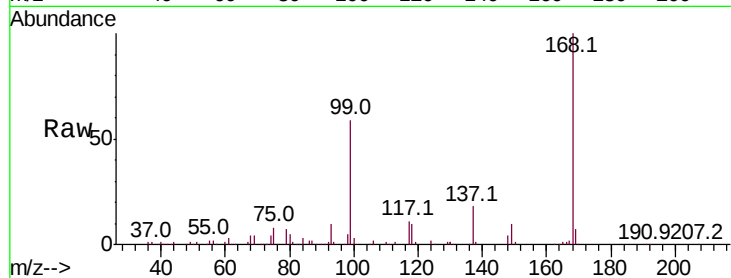




#38
Carbon Tetrachloride
Concen: 5.732 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

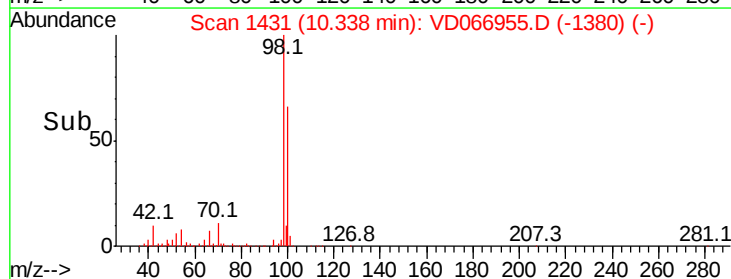
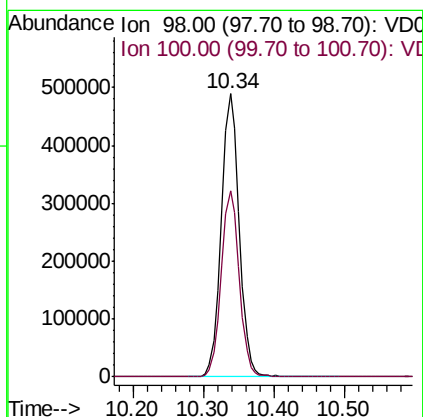
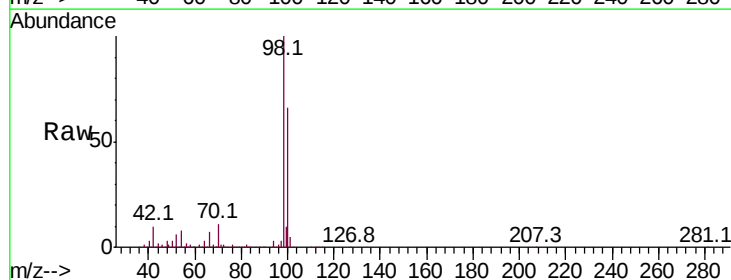
Instrument :
MSVOA_D
ClientSampleId :
B-9(7-9)

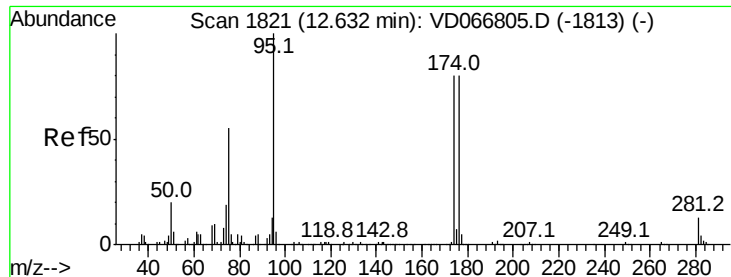
Tot Ion:117 Resp: 44872
Ion Ratio Lower Upper
117 100
119 7.7 75.8 113.8#
121 0.0 23.4 35.0#



#50
Toluene-d8
Concen: 55.242 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066955.D
Acq: 30 Sep 2020 00:04

Tgt Ion: 98 Resp: 864317
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 58.878 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

B-9(7-9)

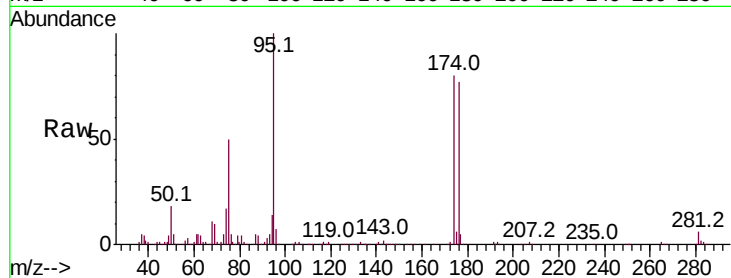
Tot Ion: 95 Resp: 315360

Ion Ratio Lower Upper

95 100

174 82.4 0.0 159.8

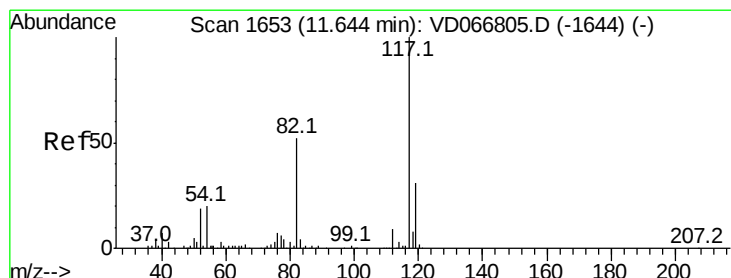
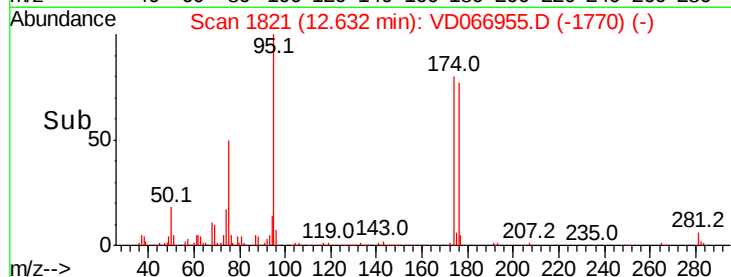
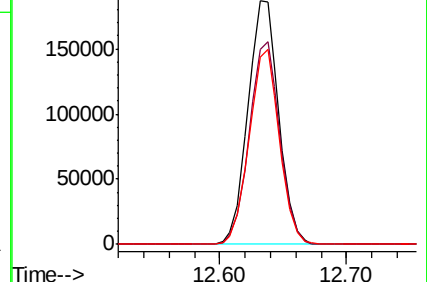
176 78.5 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

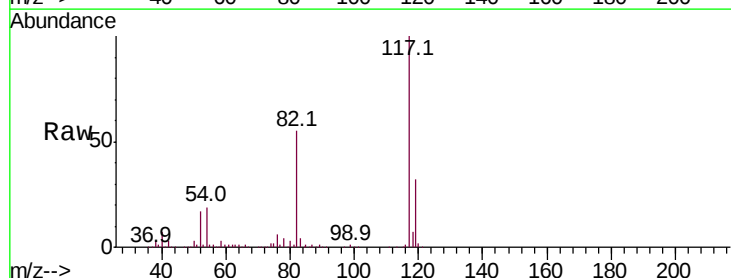
Tgt Ion: 117 Resp: 737153

Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.6

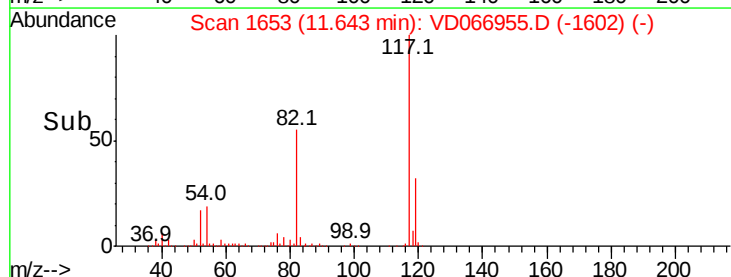
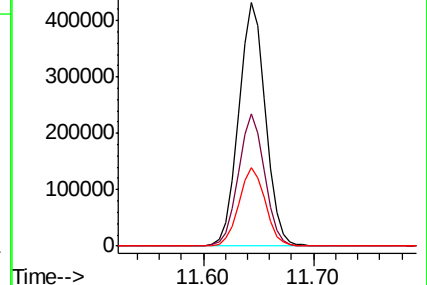
119 32.0 24.6 37.0

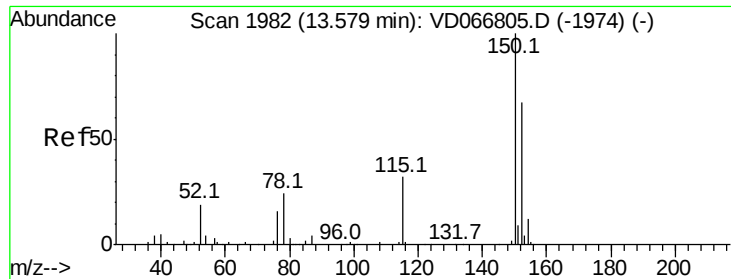


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

B-9(7-9)

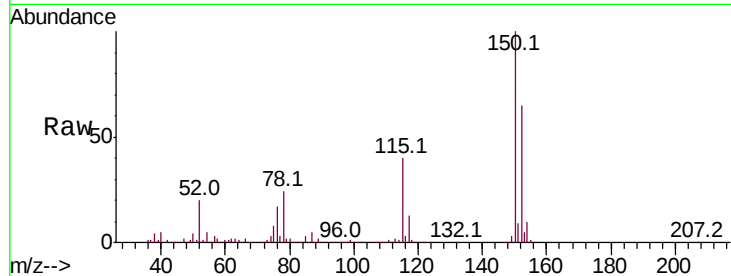
Tot Ion:152 Resp: 332819

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

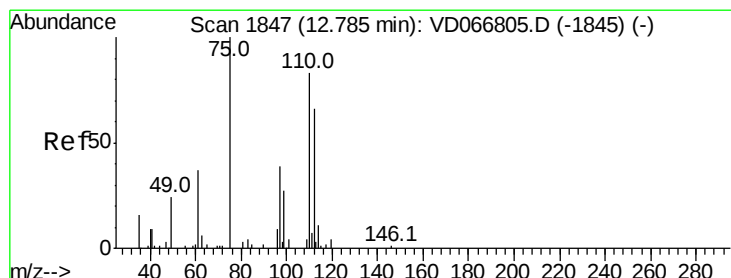
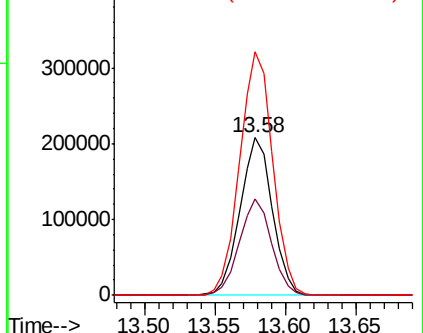
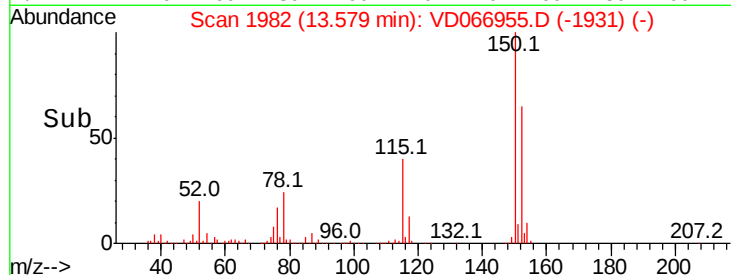
150 157.8 0.0 346.2



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: 57.763 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066955.D

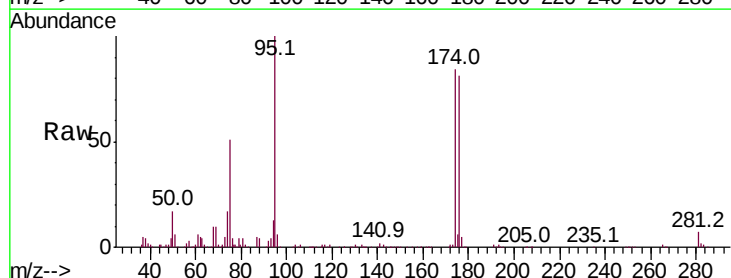
Acq: 30 Sep 2020 00:04

Tgt Ion: 75 Resp: 159318

Ion Ratio Lower Upper

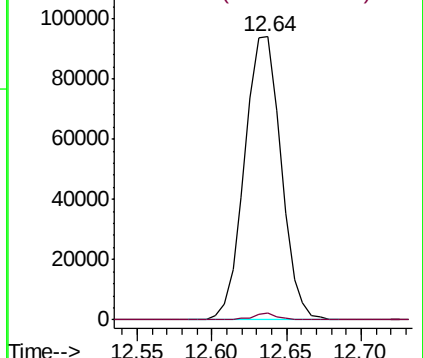
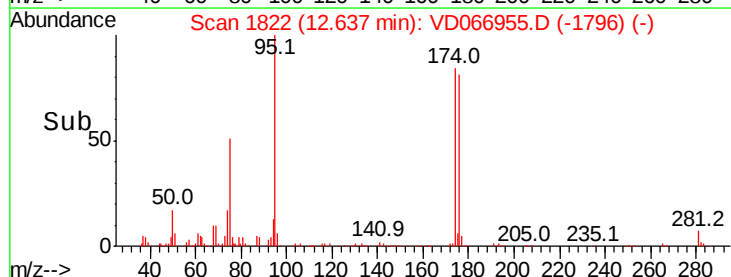
75 100

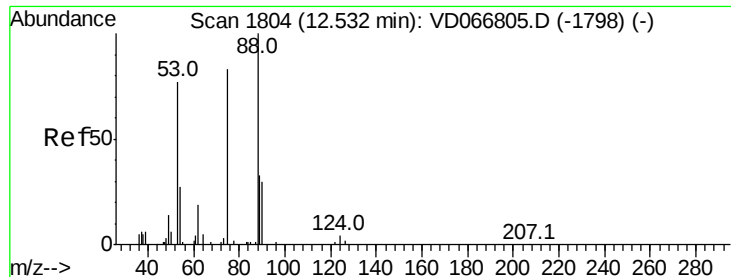
77 1.7 0.0 0.0#



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: 144.518 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066955.D

Acq: 30 Sep 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

B-9(7-9)

Tot Ion: 75 Resp: 159318

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 38.1 57.1#

