

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066857.D
 Acq On : 24 Sep 2020 18:01
 Operator : VA/SY
 Sample : L4127-02
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3(13-15)

Quant Time: Sep 25 01:10:42 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	389313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	706970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	727851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331355	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	222191	58.31	ug/l	0.00
Spiked Amount			Recovery	=	116.62%	
35) Dibromofluoromethane	7.91	113	230862	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.34	98	876226	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
62) 4-Bromofluorobenzene	12.63	95	329019	62.72	ug/l	0.00
Spiked Amount			Recovery	=	125.44%	

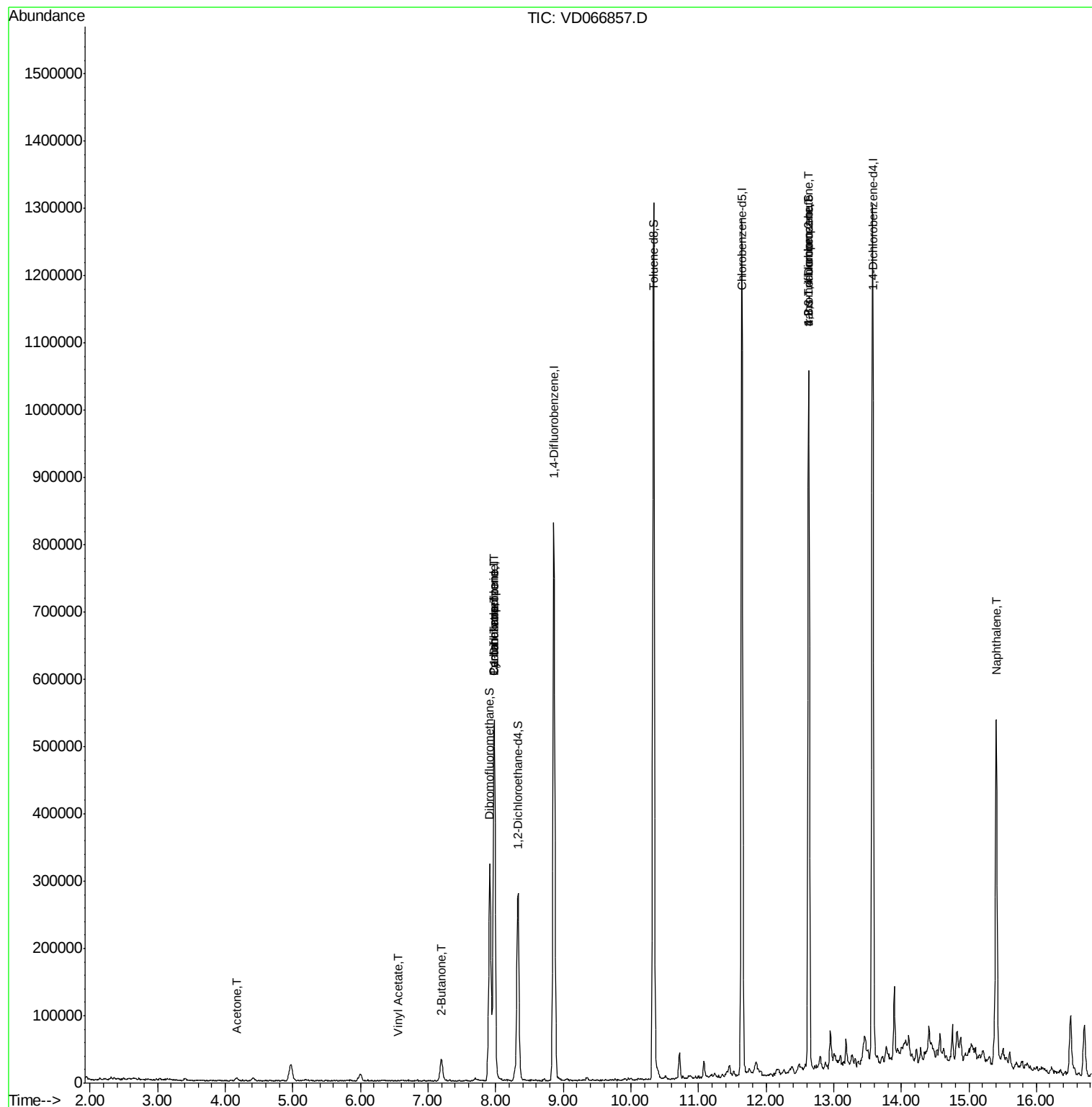
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	83	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	239	Below Cal	#	72
16) Acetone	4.17	43	6933	8.577	ug/l	90
18) Methyl Acetate	4.94	43	127	Below Cal	#	50
20) Methylene Chloride	4.97	84	20115	Below Cal	#	77
23) Vinyl Acetate	6.57	43	81	2.685	ug/l #	71
25) 2-Butanone	7.21	43	3214	3.309	ug/l #	86
31) Cyclohexane	7.98	56	9836	1.420	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	32638	4.653	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41316	5.388	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	178583	65.034	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	178583	162.709	ug/l #	10
95) Naphthalene	15.41	128	460699	45.554	ug/l	99

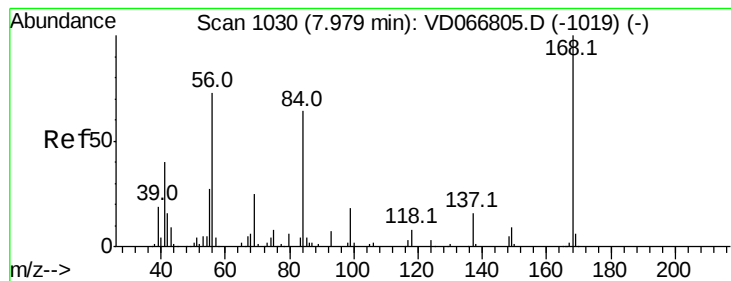
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

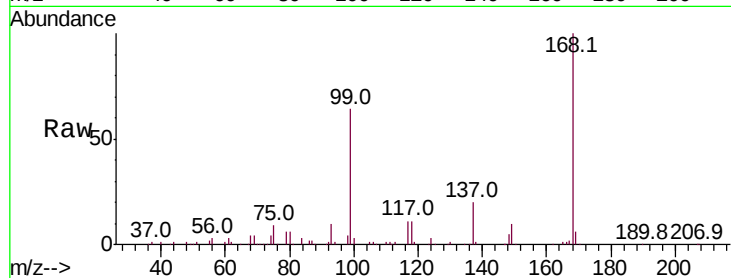
B-3(13-15)

Tot Ion:168 Resp: 389313

Ion Ratio Lower Upper

168 100

99 63.8 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

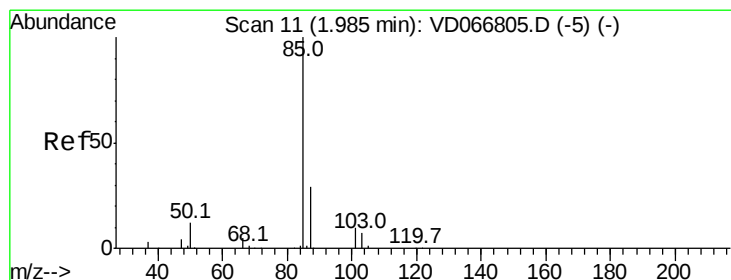
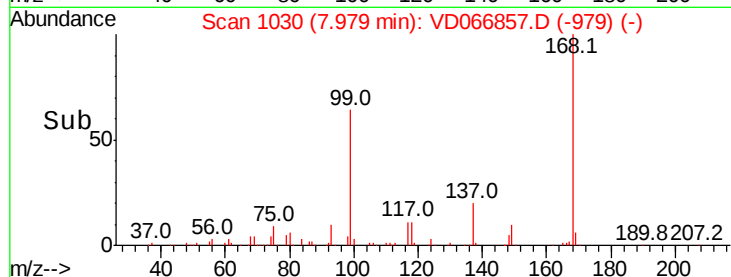
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066857.D

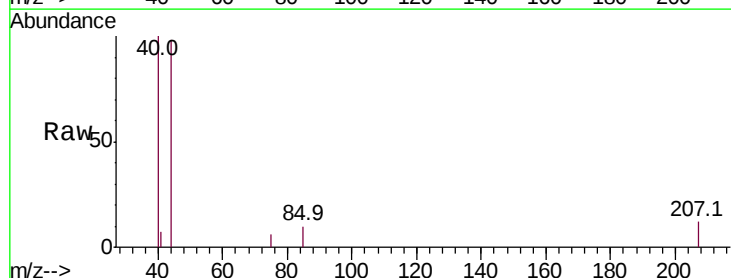
Acq: 24 Sep 2020 18:01

Tgt Ion: 85 Resp: 83

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

300

250

200

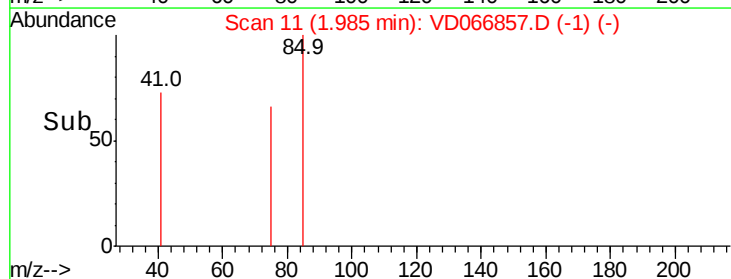
150

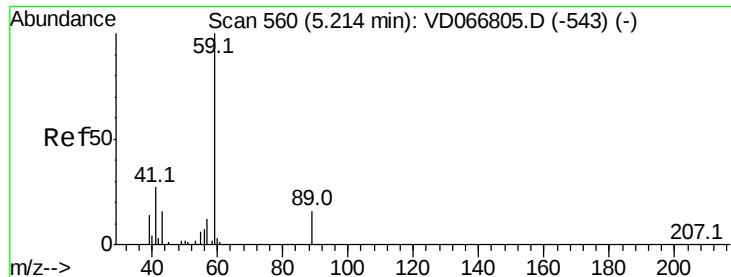
100

50

0

Time-->



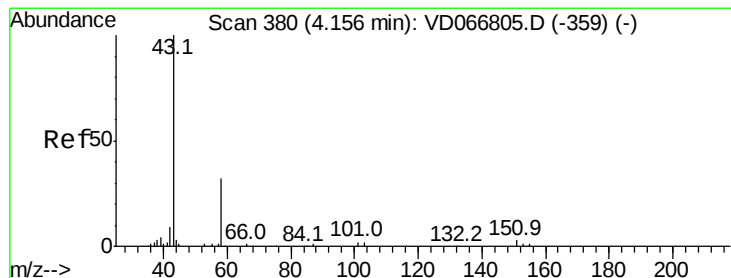
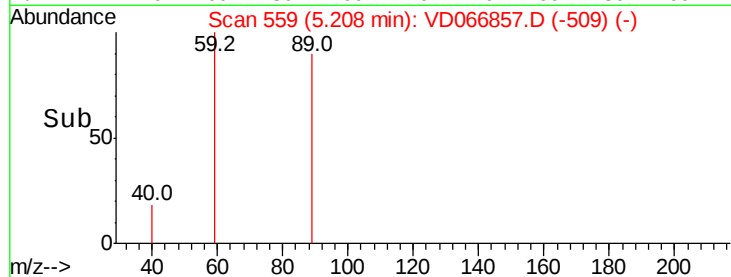
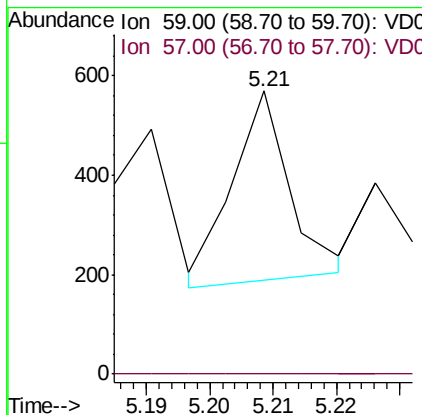
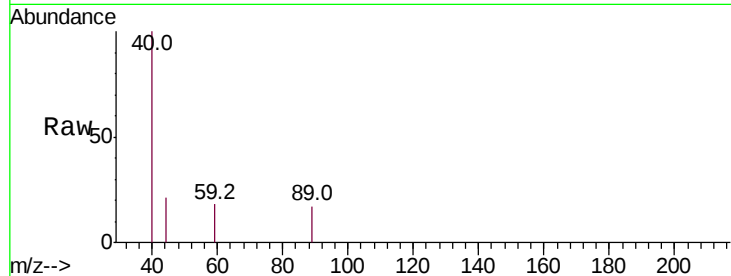


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3(13-15)

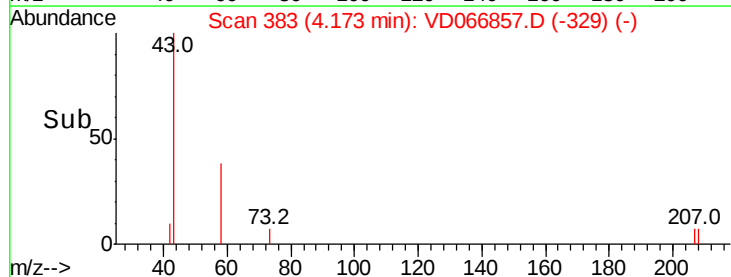
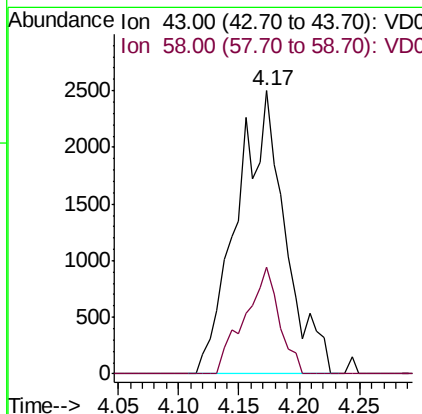
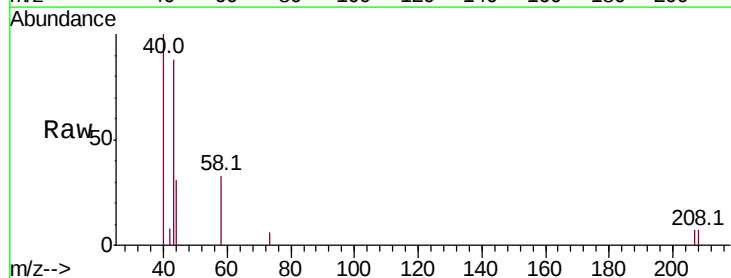
Tot Ion: 59 Resp: 239
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

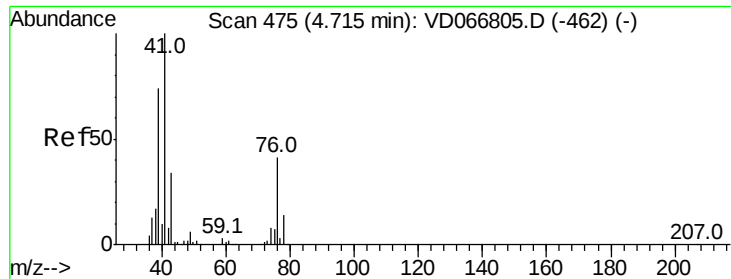


#16

Acetone
 Concen: 8.577 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

Tgt Ion: 43 Resp: 6933
 Ion Ratio Lower Upper
 43 100
 58 37.6 25.6 38.4

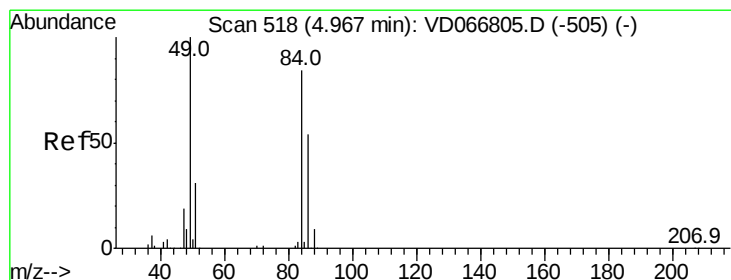
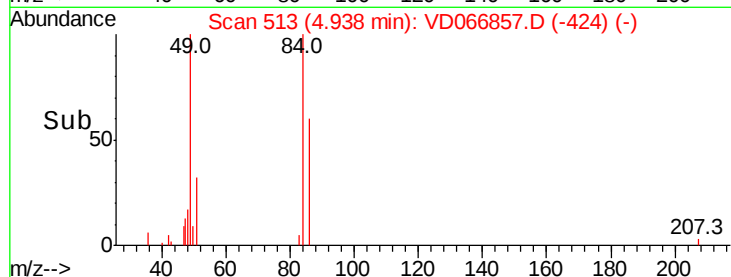
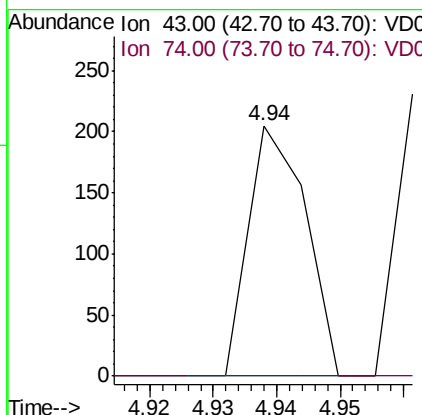
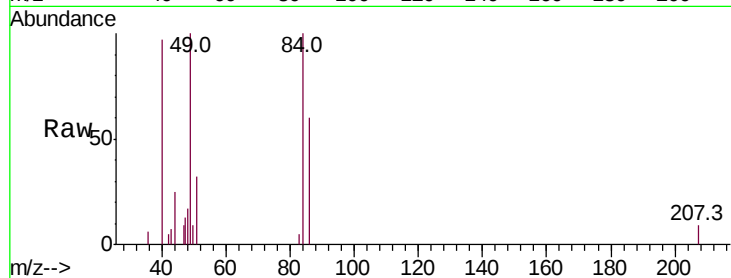




#18
Methyl Acetate
Concen: Below Cal
RT: 4.94 min Scan# 513
Delta R.T. 0.22 min
Lab File: VD066857.D
Acq: 24 Sep 2020 18:01

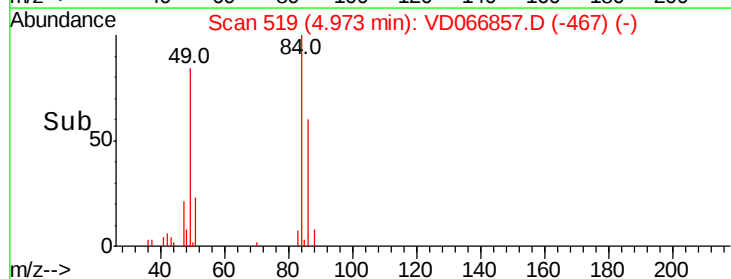
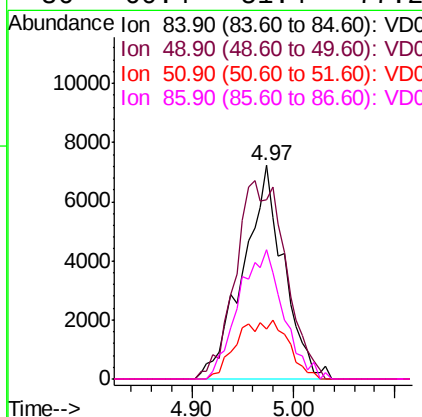
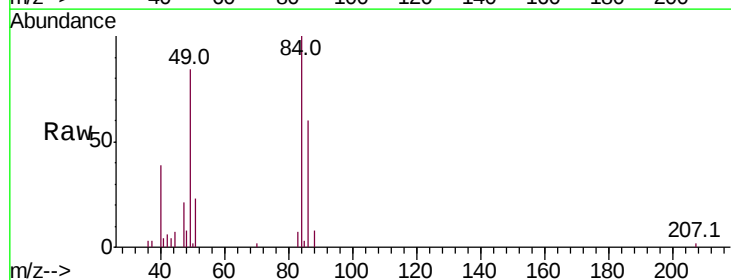
Instrument :
MSVOA_D
ClientSampleId :
B-3(13-15)

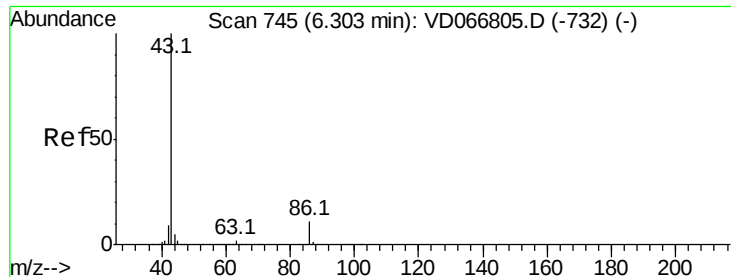
Tot Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066857.D
Acq: 24 Sep 2020 18:01

Tgt Ion: 84 Resp: 20115
Ion Ratio Lower Upper
84 100
49 83.9 95.4 143.2#
51 23.4 29.7 44.5#
86 60.4 51.4 77.2





#23

Vinyl Acetate

Concen: 2.685 ug/l

RT: 6.57 min Scan# 790

Delta R.T. 0.27 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

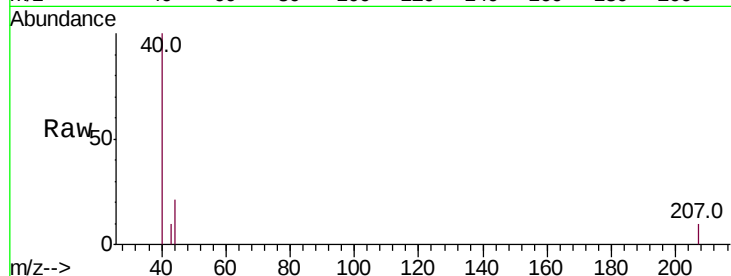
B-3(13-15)

Tot Ion: 43 Resp: 81

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

6.57

250

200

150

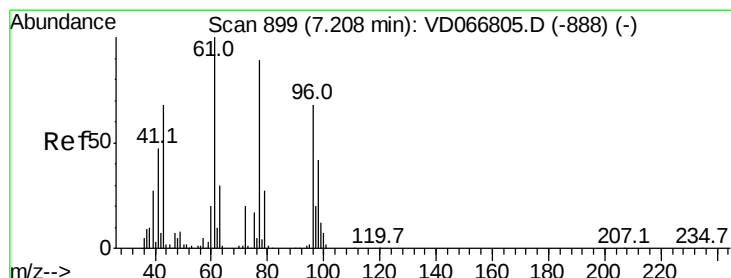
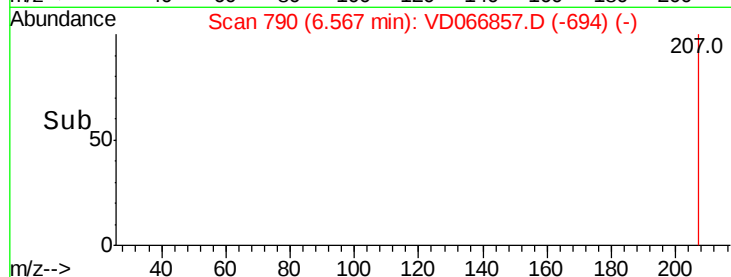
100

50

0

6.55 6.56 6.57

Time-->



#25

2-Butanone

Concen: 3.309 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066857.D

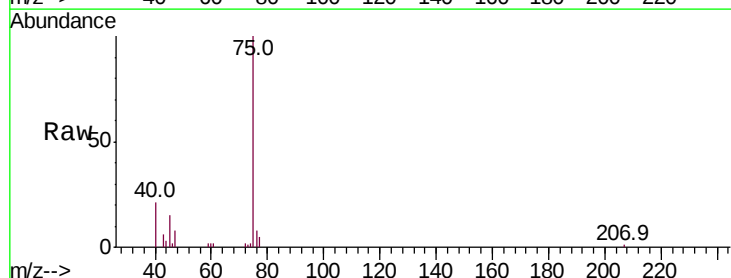
Acq: 24 Sep 2020 18:01

Tgt Ion: 43 Resp: 3214

Ion Ratio Lower Upper

43 100

72 35.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

1000

800

600

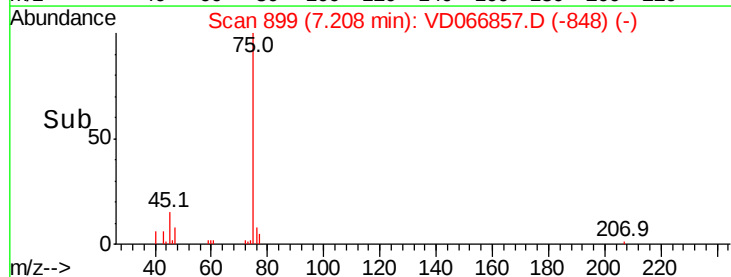
400

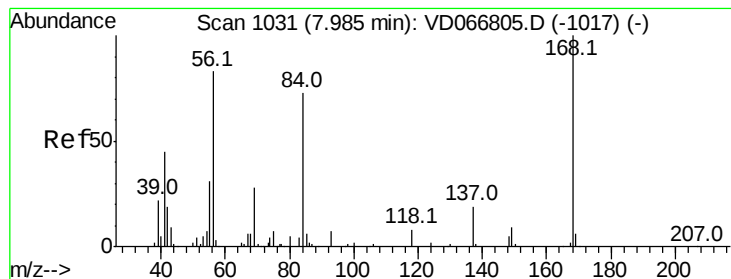
200

0

7.10 7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.420 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

B-3(13-15)

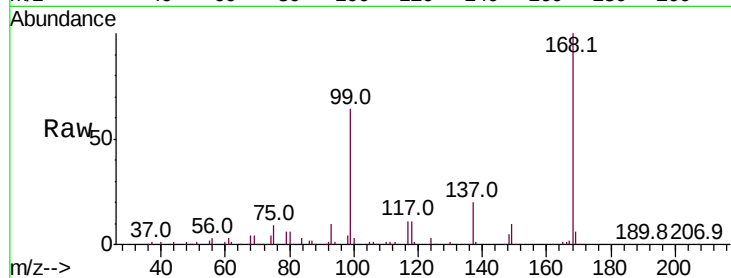
Tot Ion: 56 Resp: 9836

Ion Ratio Lower Upper

56 100

69 139.2 27.0 40.4#

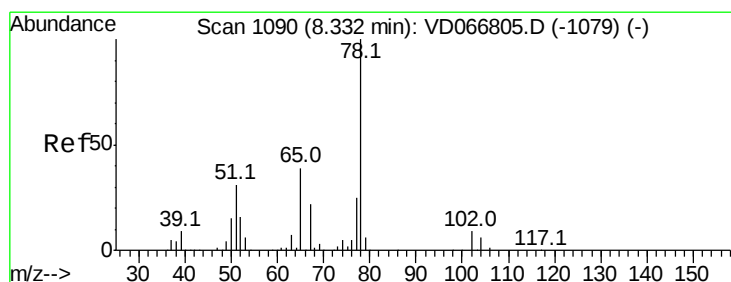
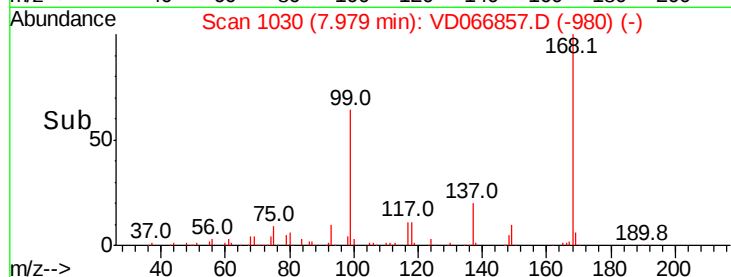
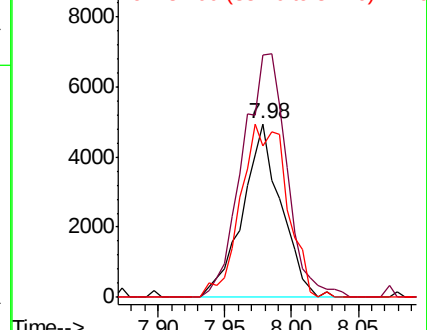
84 87.4 70.2 105.4



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: 58.311 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066857.D

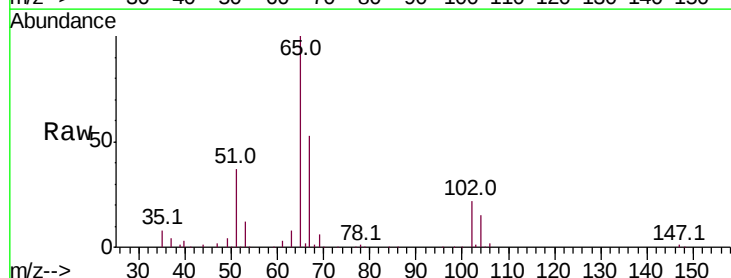
Acq: 24 Sep 2020 18:01

Tgt Ion: 65 Resp: 222191

Ion Ratio Lower Upper

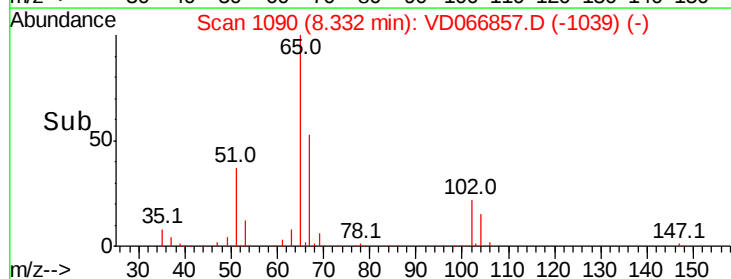
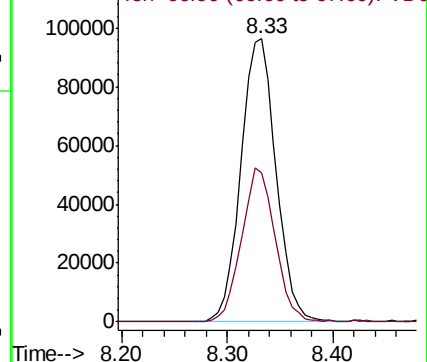
65 100

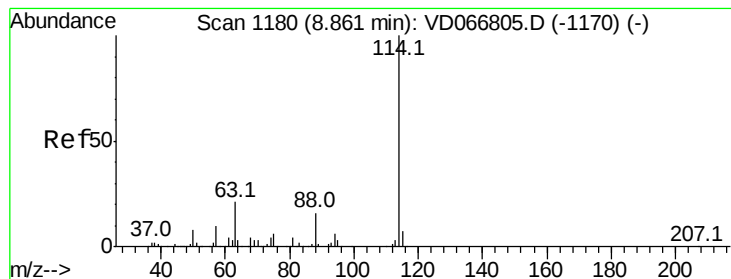
67 52.1 0.0 107.2



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: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

B-3(13-15)

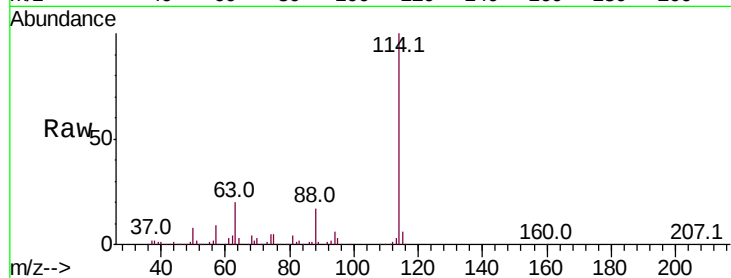
Tot Ion:114 Resp: 706970

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

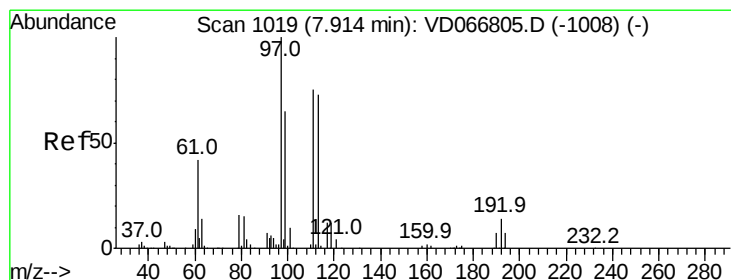
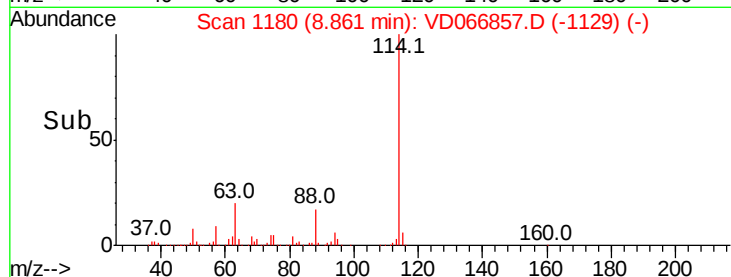
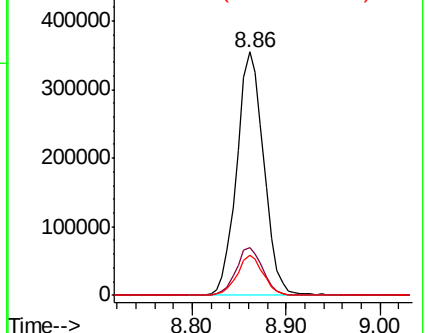
88 16.7 0.0 32.6



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: 51.328 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

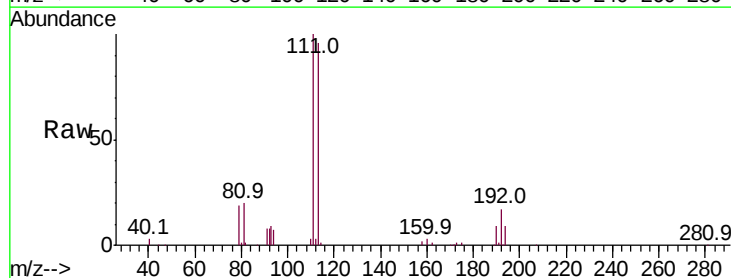
Tgt Ion:113 Resp: 230862

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

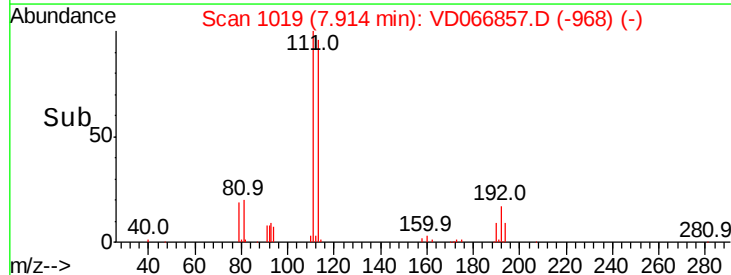
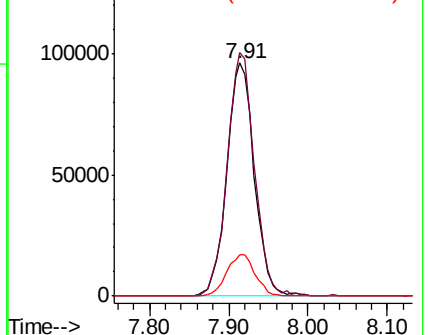
192 18.2 14.4 21.6

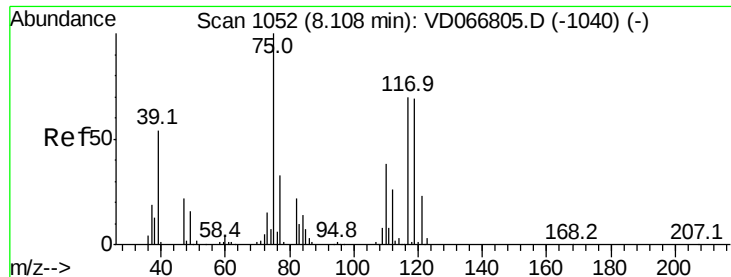


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

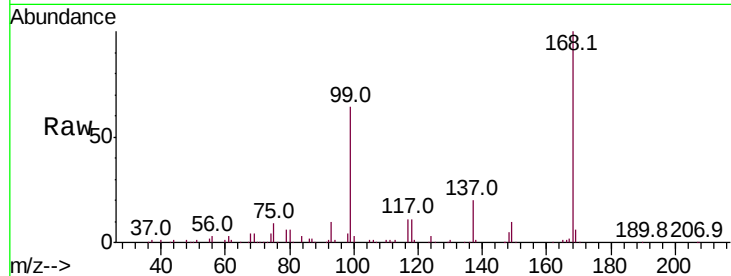




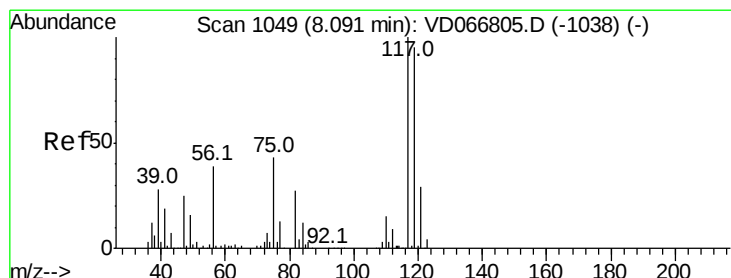
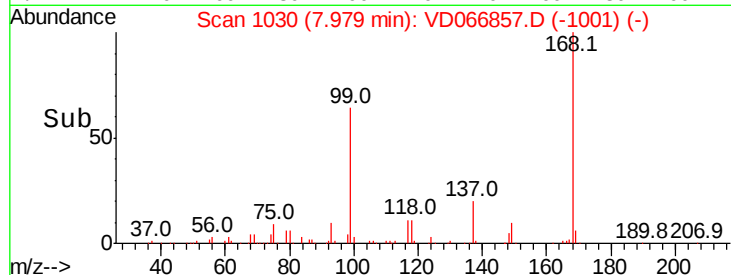
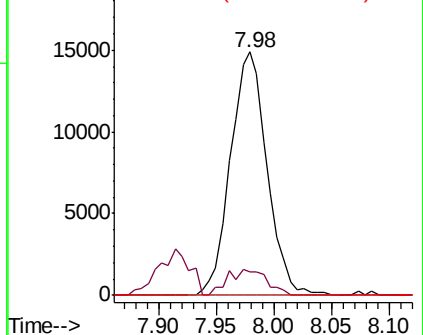
#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

Instrument :
 MSVOA_D
 ClientSampleID :
 B-3(13-15)

Tot Ion: 75 Resp: 32638
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.9 53.8#
 77 0.0 25.0 37.6#

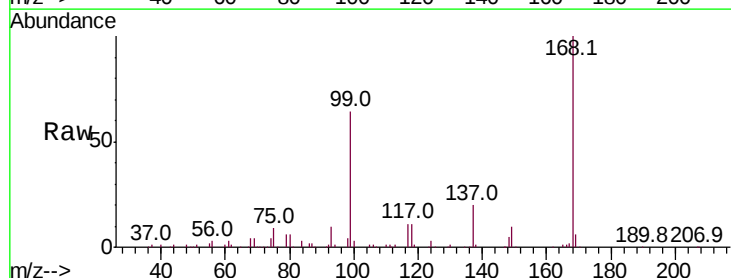


Abundance Ion 74.90 (74.60 to 75.60): V
 20000 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

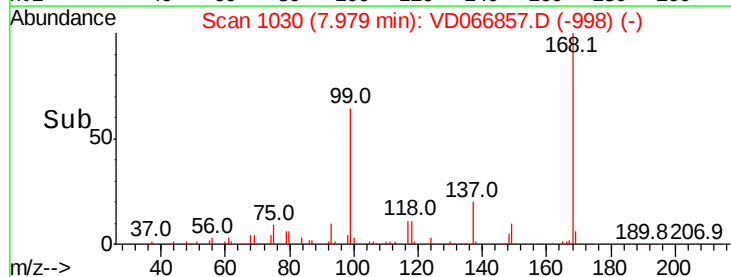
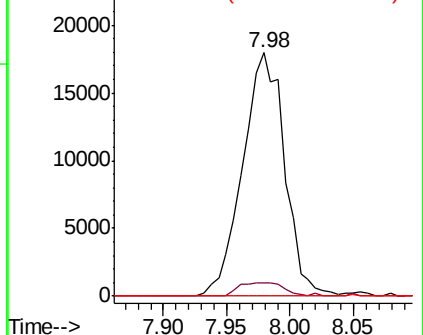


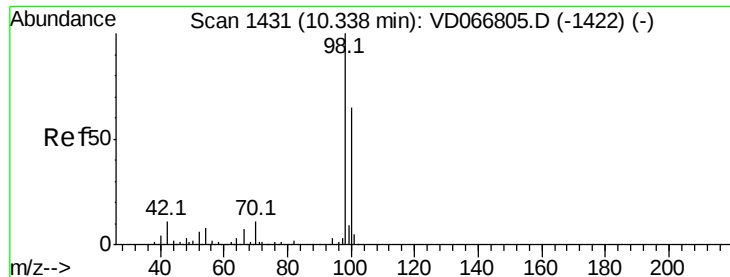
#38
 Carbon Tetrachloride
 Concen: 5.388 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

Tgt Ion: 117 Resp: 41316
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.8 113.8#
 121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 25000 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 57.178 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

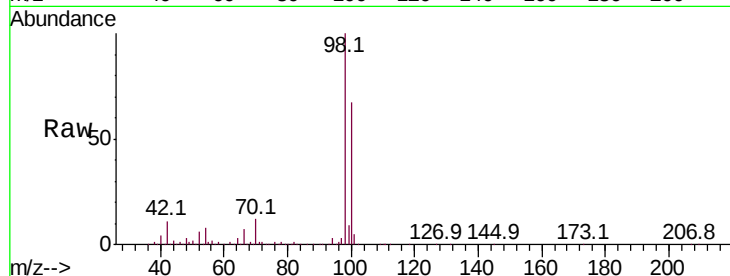
B-3(13-15)

Tot Ion: 98 Resp: 876226

Ion Ratio Lower Upper

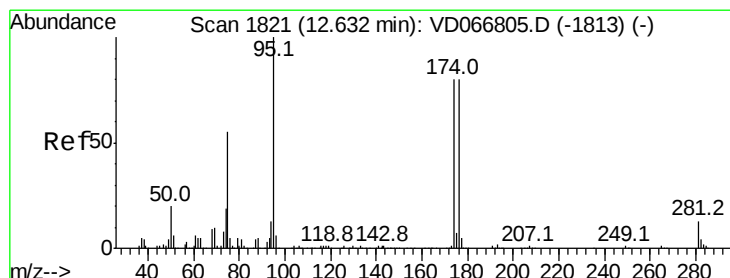
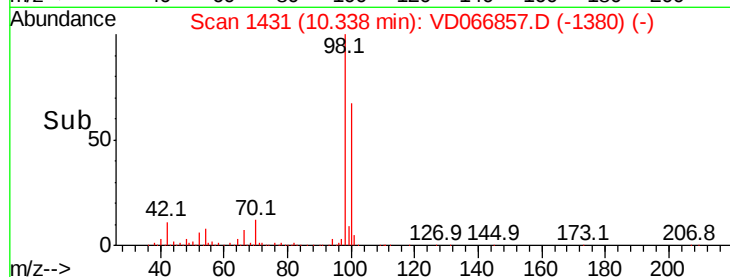
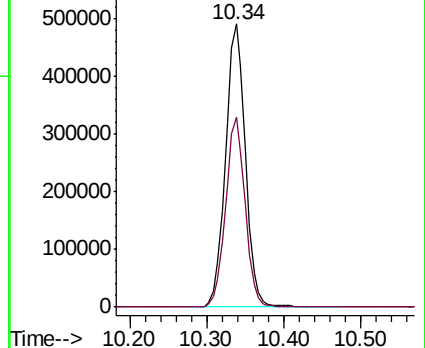
98 100

100 66.2 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: 62.716 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

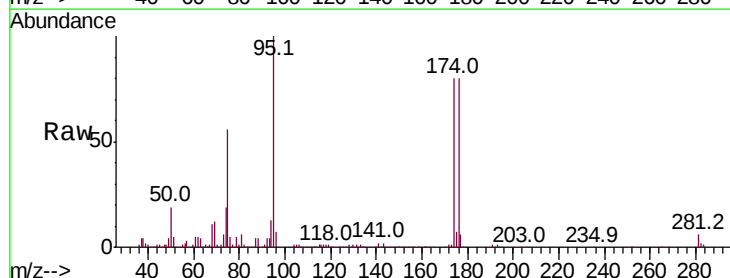
Tgt Ion: 95 Resp: 329019

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.8

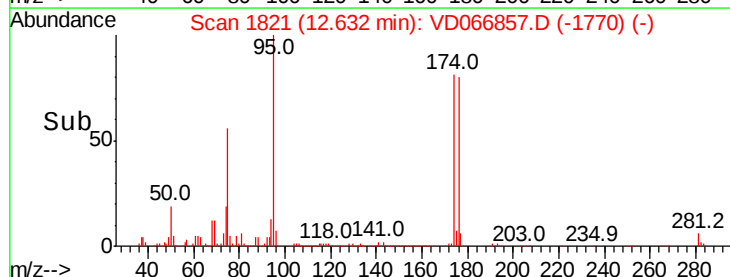
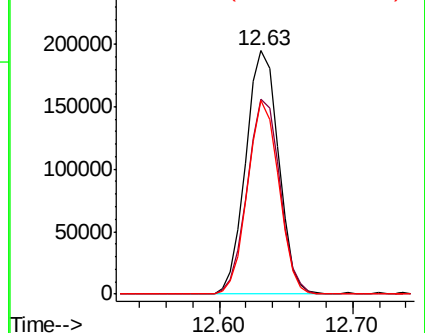
176 76.1 0.0 154.4

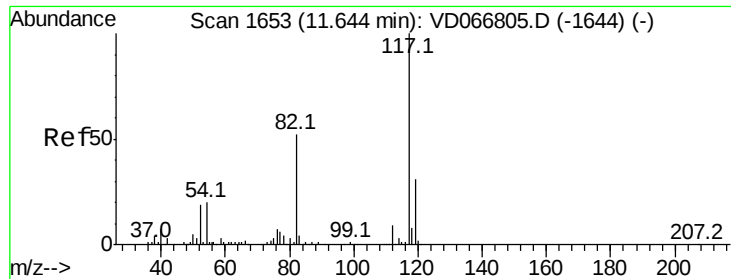


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

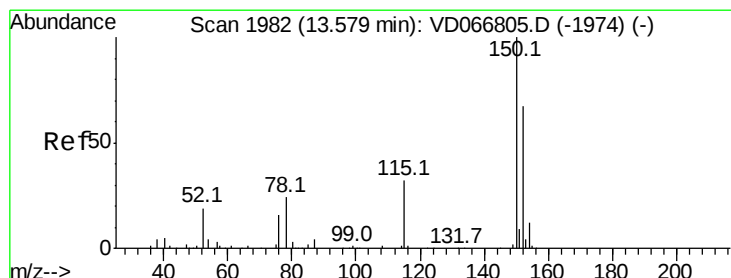
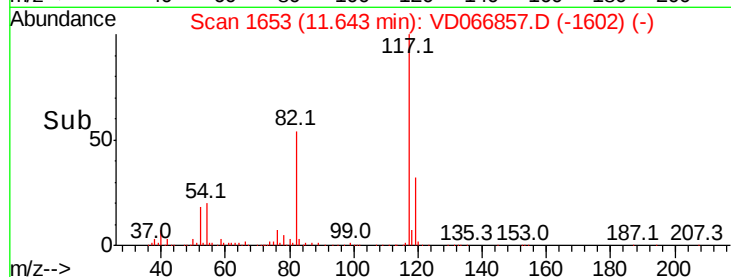
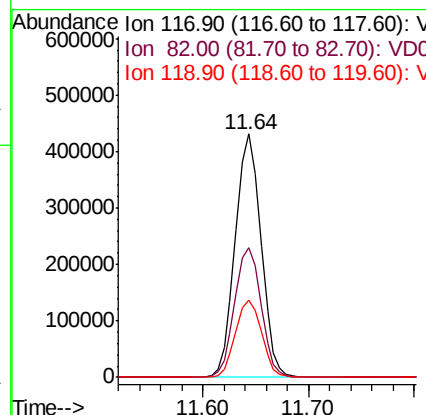
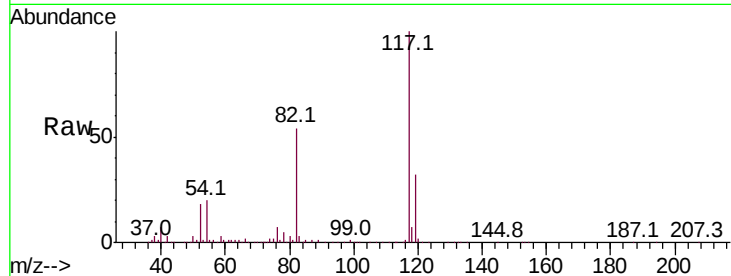




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066857.D
Acq: 24 Sep 2020 18:01

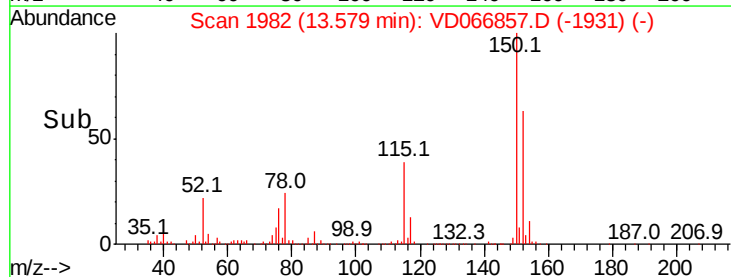
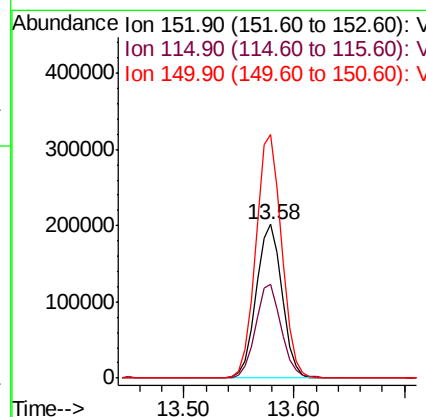
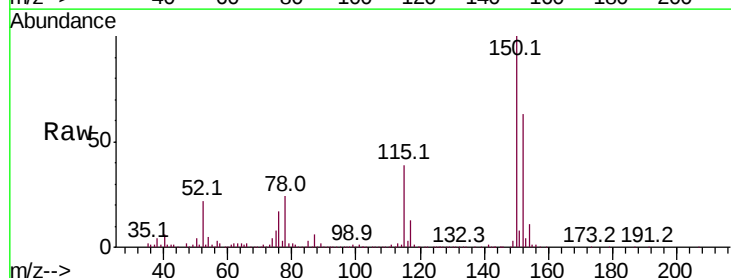
Instrument :
MSVOA_D
ClientSampleId :
B-3(13-15)

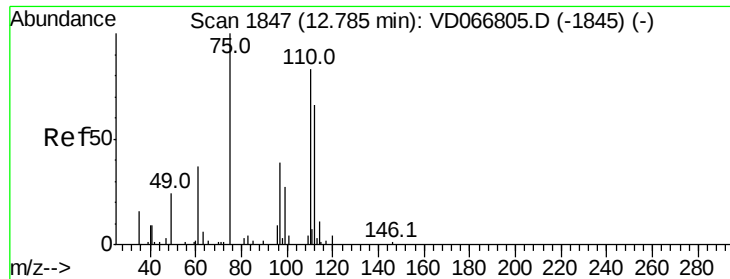
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.8	62.6
119	31.9	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066857.D
Acq: 24 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.3	91.0
150	157.9	0.0	346.2

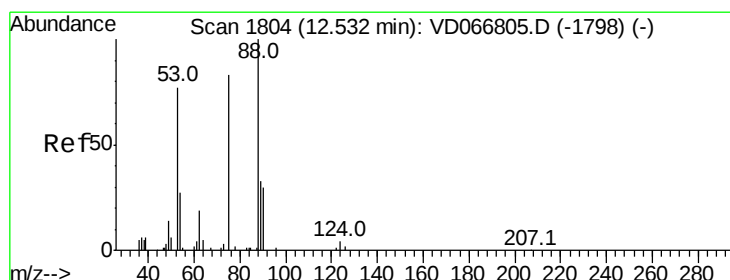
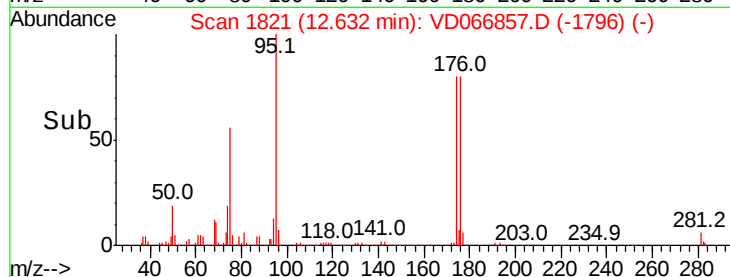
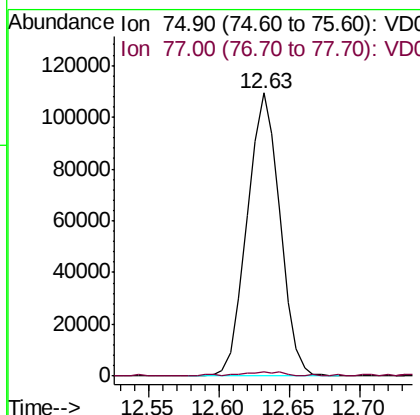
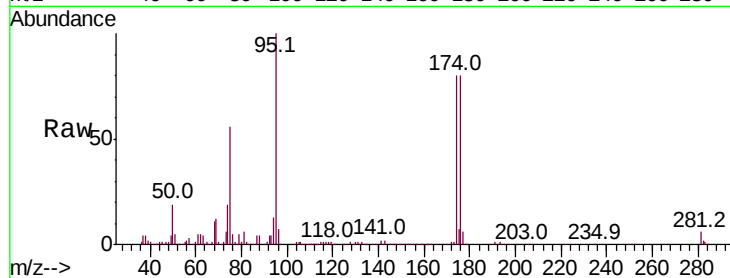




#76
 1,2,3-Trichloropropane
 Concen: 65.034 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

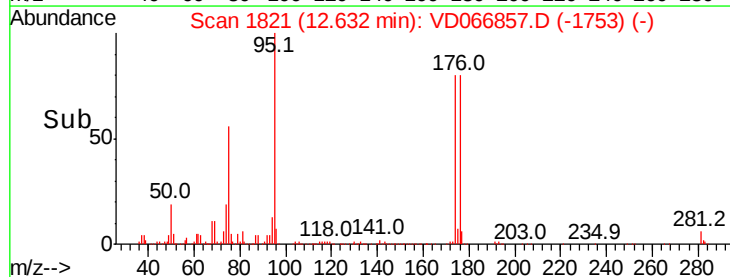
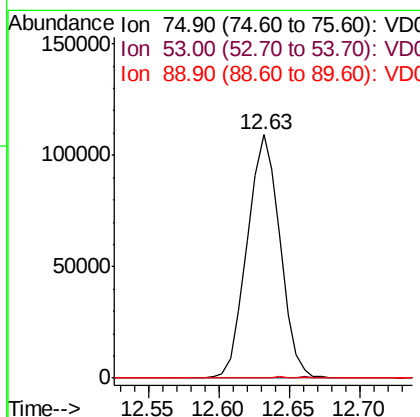
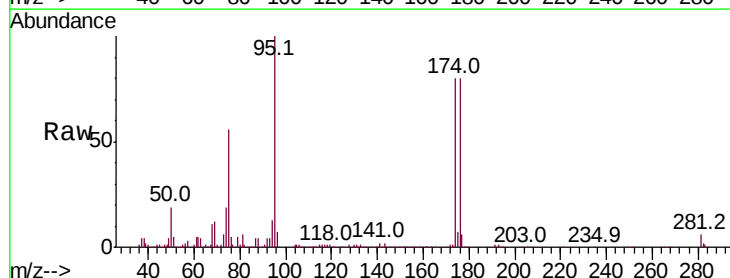
Instrument :
 MSVOA_D
 ClientSampleId :
 B-3(13-15)

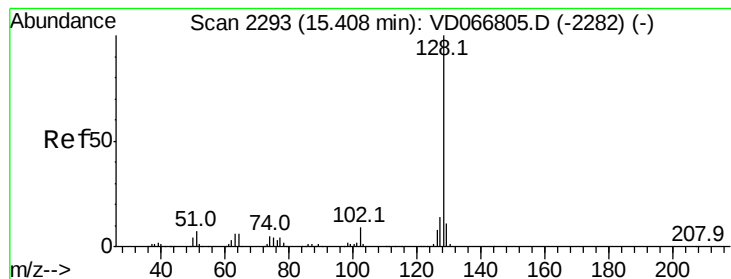
Tot Ion: 75 Resp: 178583
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.709 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066857.D
 Acq: 24 Sep 2020 18:01

Tgt Ion: 75 Resp: 178583
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.2 38.1 57.1#





#95

Naphthalene

Concen: 45.554 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066857.D

Acq: 24 Sep 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

B-3(13-15)

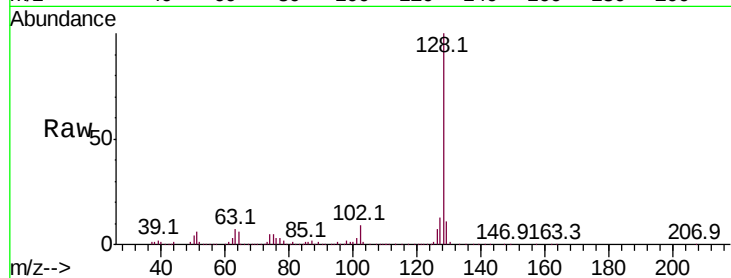
Tot Ion:128 Resp: 460699

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.4 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

