

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067032.D
 Acq On : 02 Oct 2020 13:42
 Operator : VA/SY
 Sample : L3865-05
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-093020

Quant Time: Oct 03 04:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	110488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	176148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	180941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	81672	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	82705	77.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	155.42%	
35) Dibromofluoromethane	7.91	113	71363	61.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.76%	
50) Toluene-d8	10.34	98	214963	51.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.64	95	71194	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	

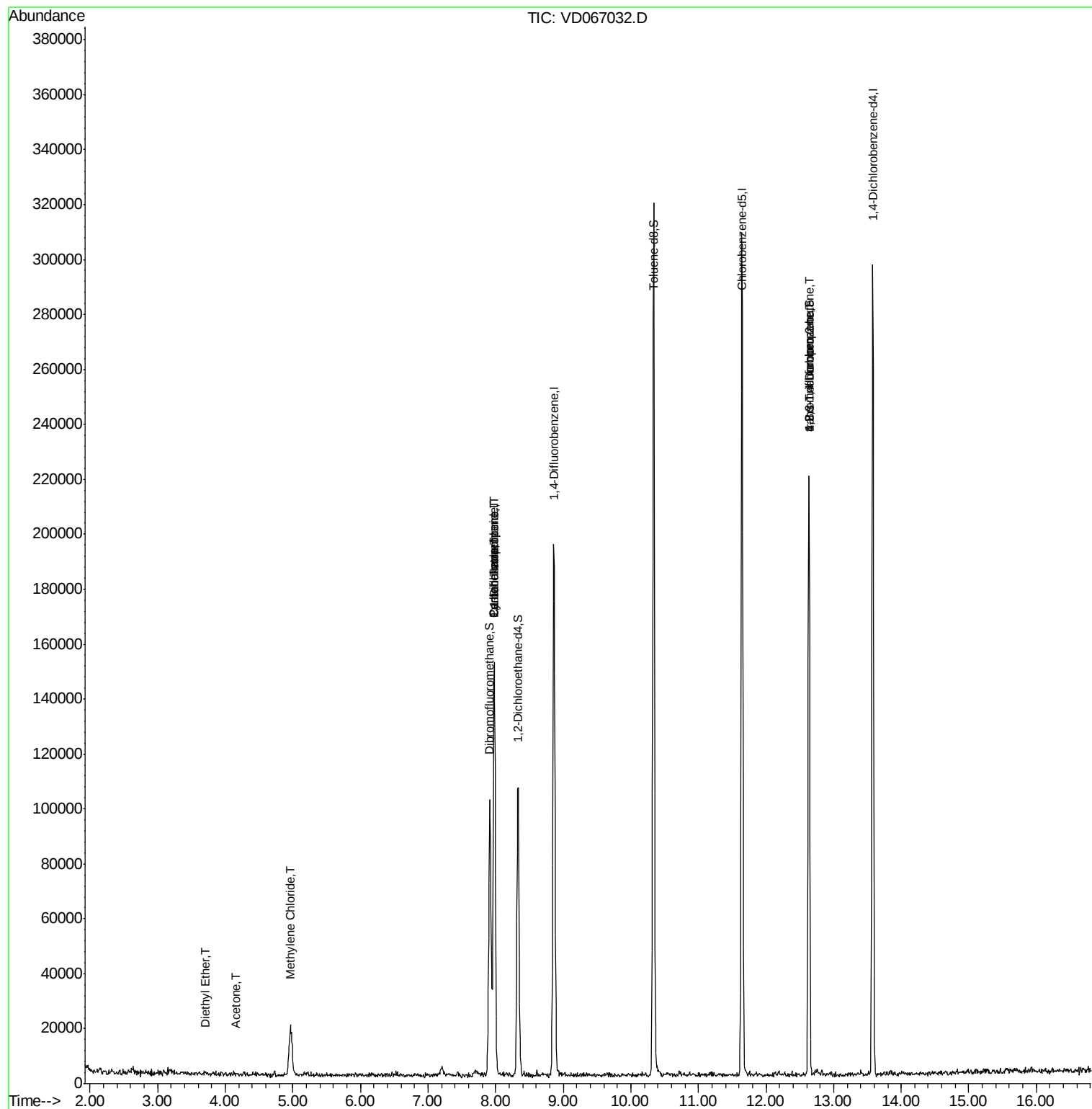
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	316	Below Cal		89
8) Diethyl Ether	3.70	74	544	1.119	ug/l #	40
11) Tert butyl alcohol	5.21	59	151	Below Cal	#	72
16) Acetone	4.16	43	731	4.500	ug/l #	42
20) Methylene Chloride	4.96	84	14386	6.090	ug/l #	85
26) 2,2-Dichloropropane	7.22	77	68	Below Cal	#	53
31) Cyclohexane	7.98	56	2639	1.651	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	8090	4.927	ug/l #	51
38) Carbon Tetrachloride	7.98	117	12822	7.218	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	36400	51.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	36400	127.567	ug/l #	12

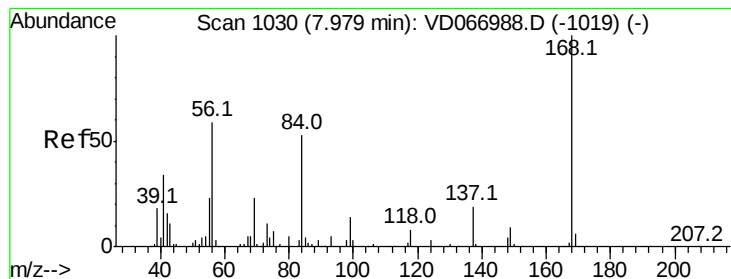
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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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: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

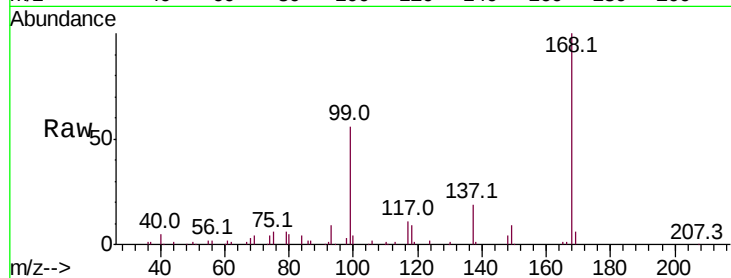
NB-07-093020

Tot Ion:168 Resp: 110488

Ion Ratio Lower Upper

168 100

99 55.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

60000

50000

40000

30000

20000

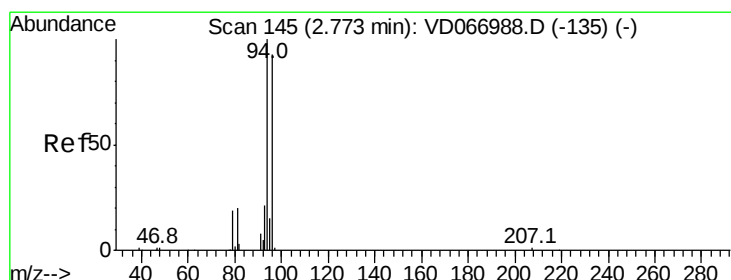
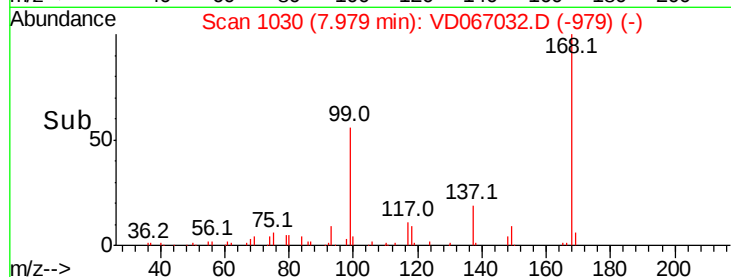
10000

0

7.98

7.90 7.95 8.00 8.05

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067032.D

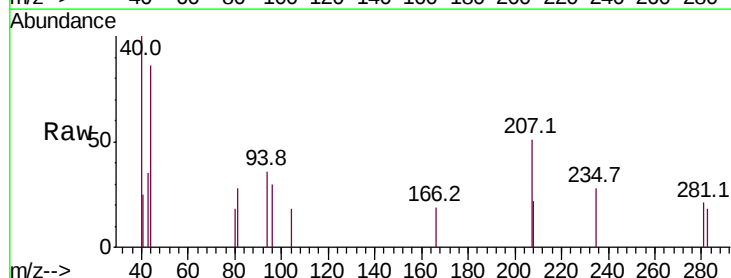
Acq: 02 Oct 2020 13:42

Tgt Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 83.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

200

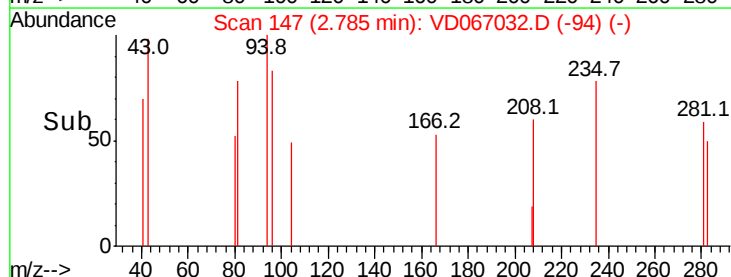
100

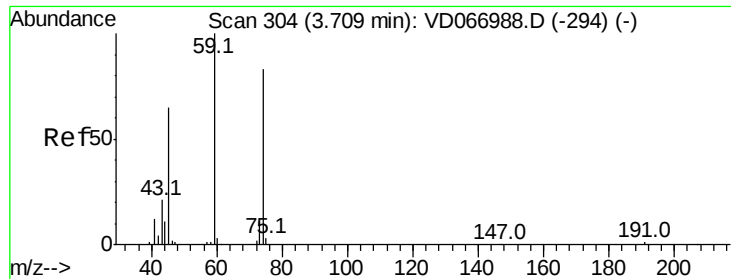
0

2.79

2.76 2.78 2.80 2.82

Time-->





#8

Diethyl Ether

Concen: 1.119 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

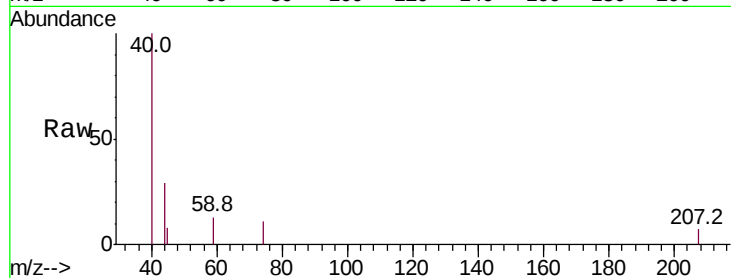
NB-07-093020

Tot Ion: 74 Resp: 544

Ion Ratio Lower Upper

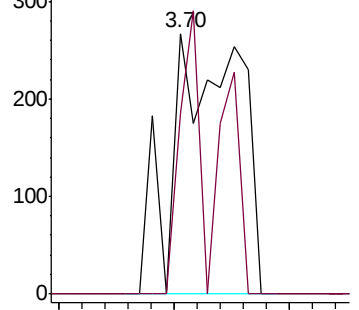
74 100

45 30.9 43.1 129.3#

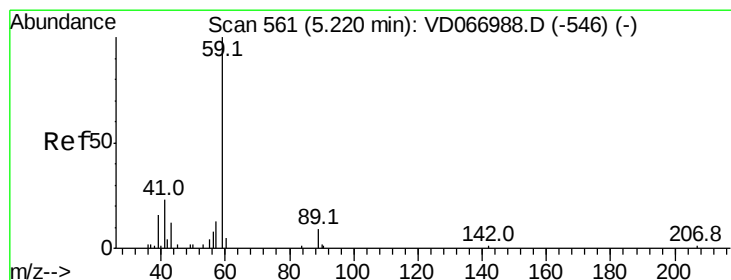
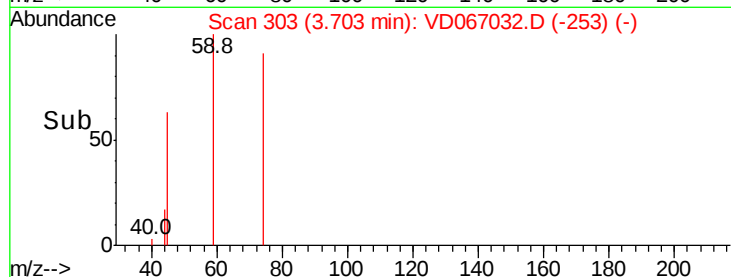


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067032.D

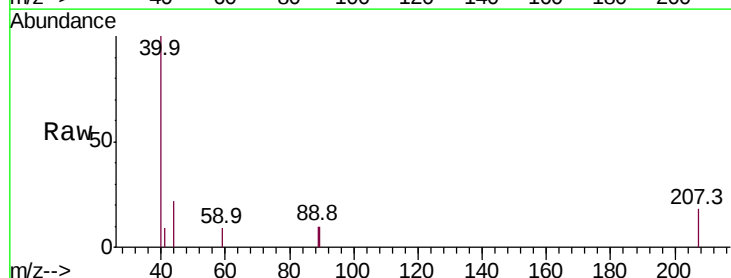
Acq: 02 Oct 2020 13:42

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

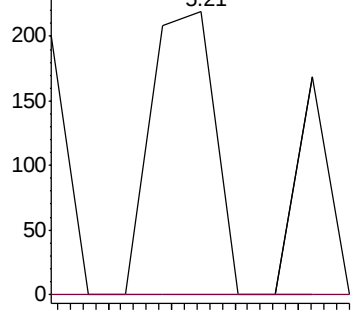
59 100

57 0.0 8.2 12.4#

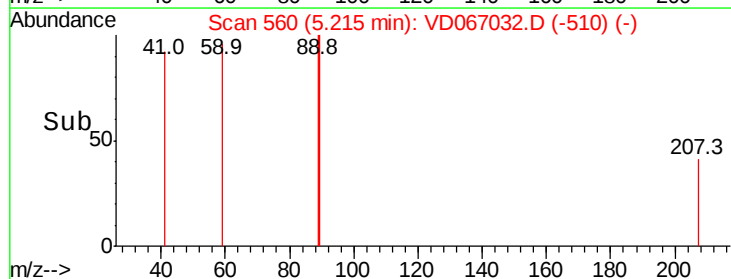


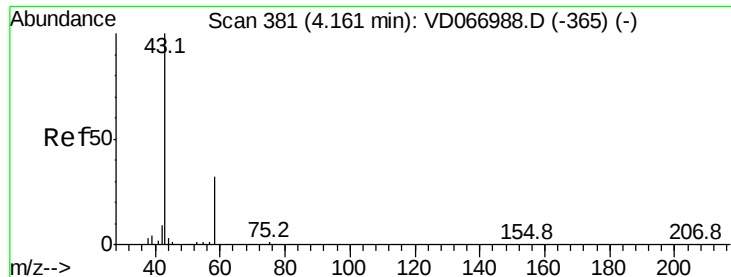
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 4.500 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

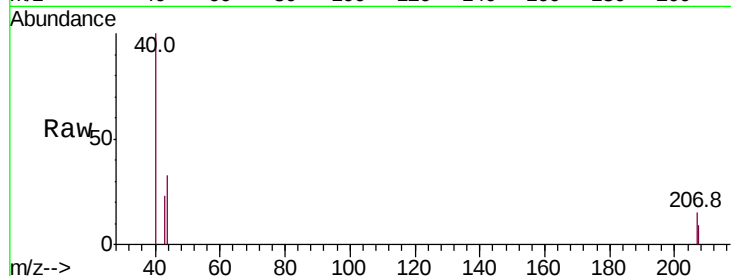
NB-07-093020

Tot Ion: 43 Resp: 731

Ion Ratio Lower Upper

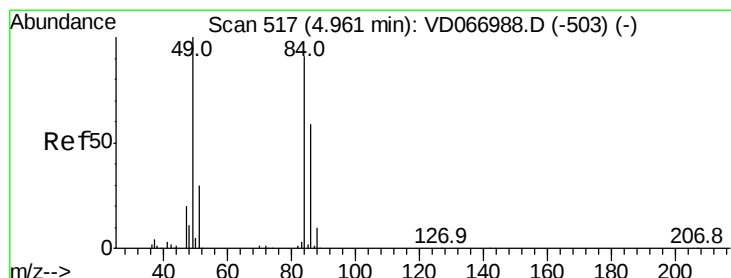
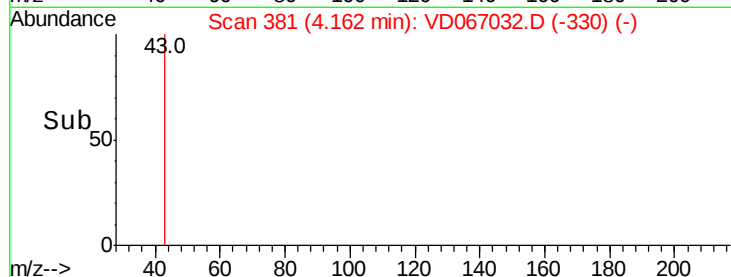
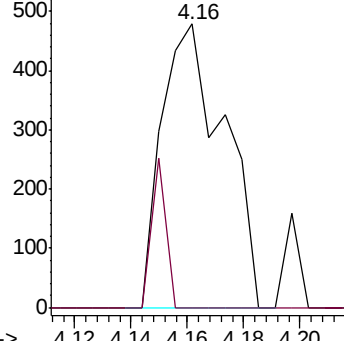
43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 6.090 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Tgt Ion: 84 Resp: 14386

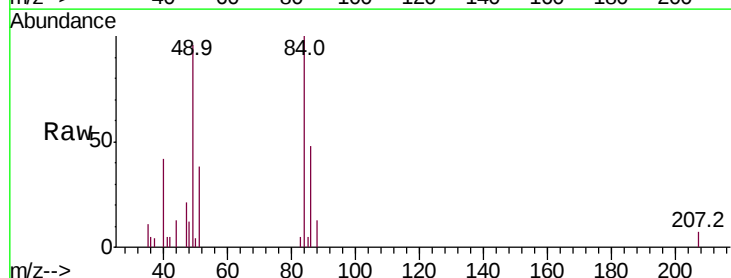
Ion Ratio Lower Upper

84 100

49 96.1 88.2 132.2

51 38.4 26.6 39.8

86 47.7 52.1 78.1#

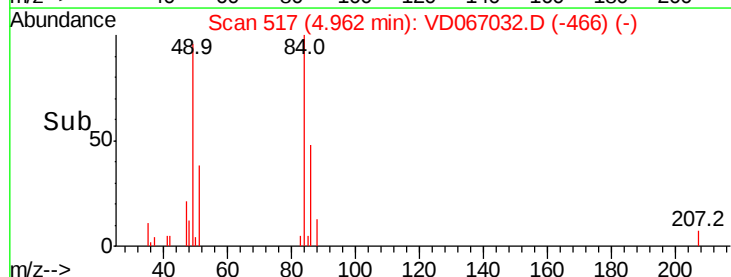
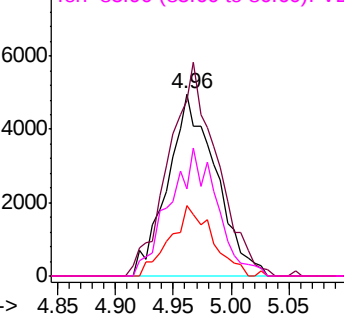


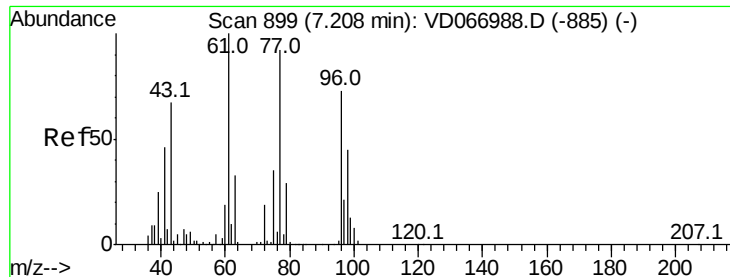
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

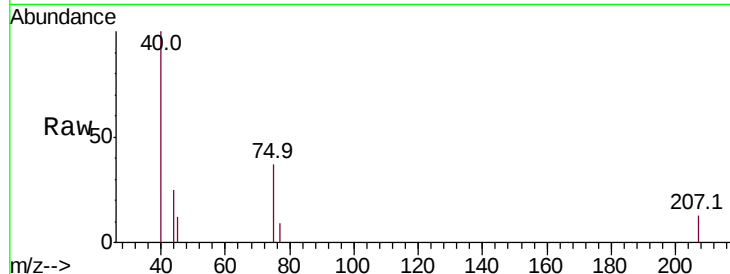
NB-07-093020

Tot Ion: 77 Resp: 68

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.22

200

150

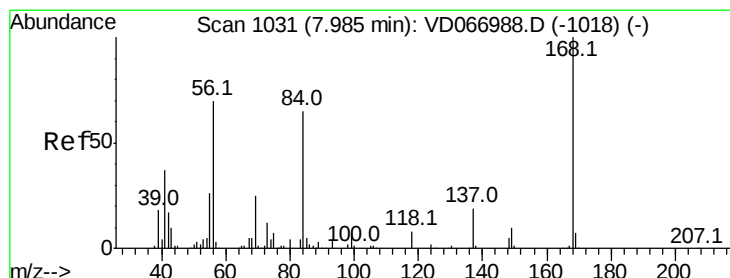
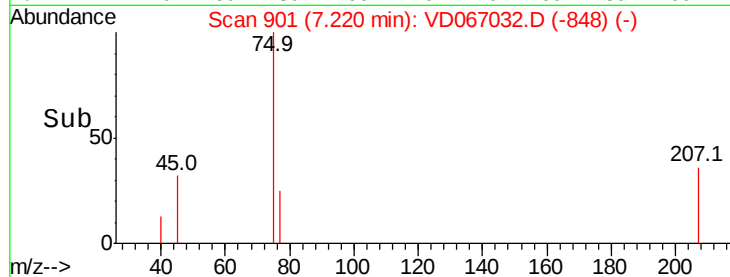
100

50

0

7.21 7.22 7.23

Time-->



#31

Cyclohexane

Concen: 1.651 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

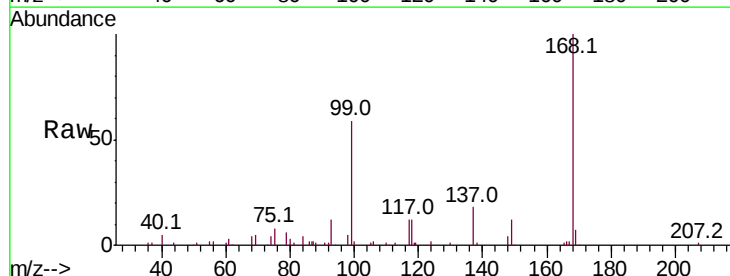
Tgt Ion: 56 Resp: 2639

Ion Ratio Lower Upper

56 100

69 197.8 29.0 43.6#

84 160.9 74.2 111.2#



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

3000

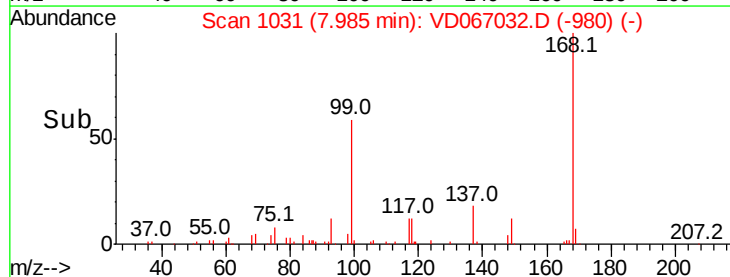
2000

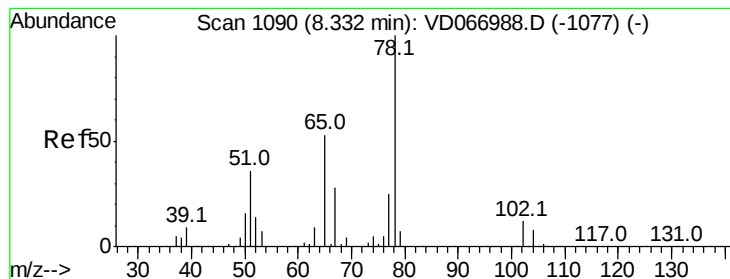
1000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 77.715 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

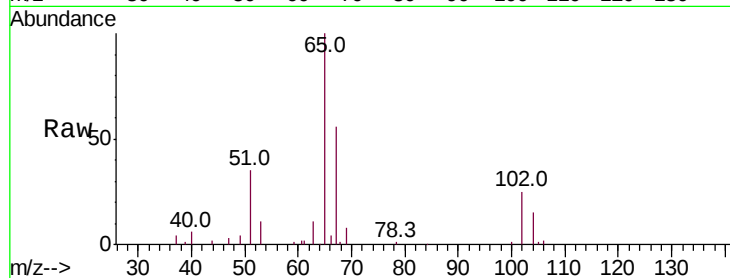
NB-07-093020

Tot Ion: 65 Resp: 82705

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

20000

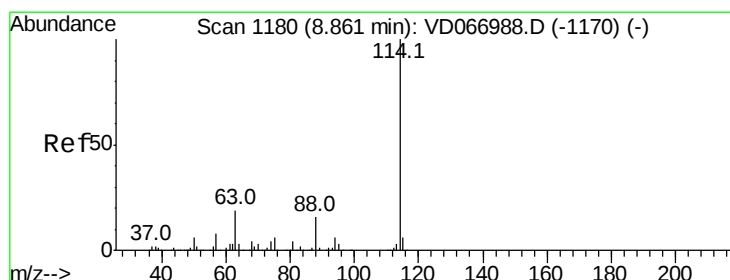
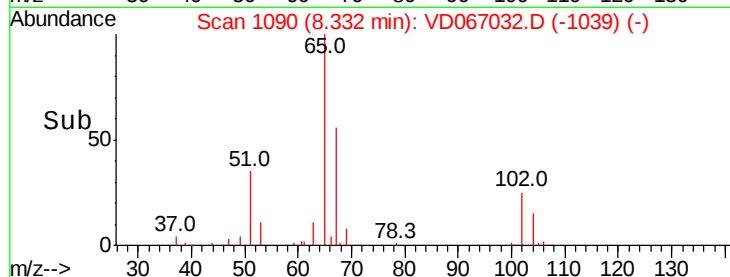
10000

0

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Tgt Ion: 114 Resp: 176148

Ion Ratio Lower Upper

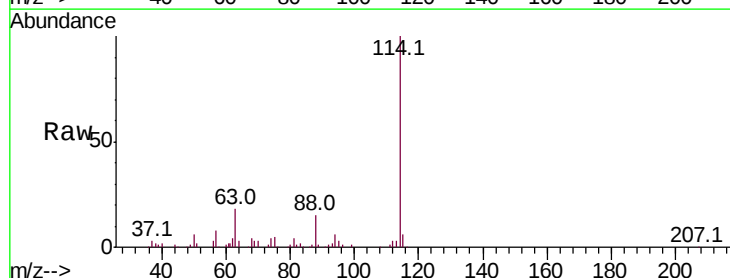
114 100

63 18.3

88 14.5

0.0 38.4

0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

100000

80000

60000

40000

20000

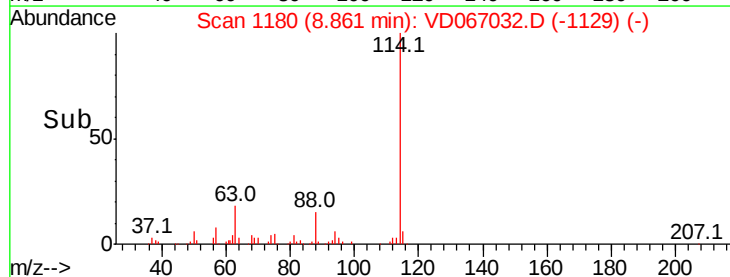
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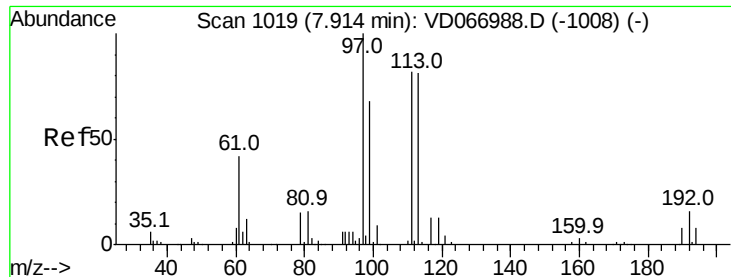
8.80

8.90

9.00

Time-->

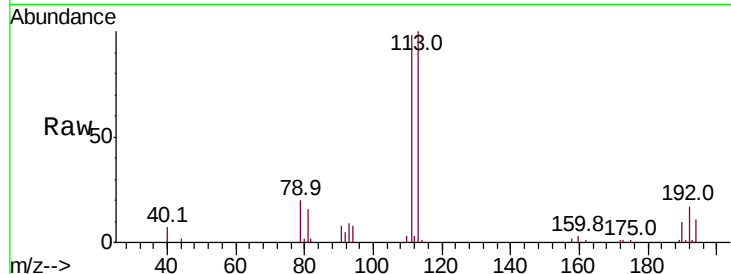




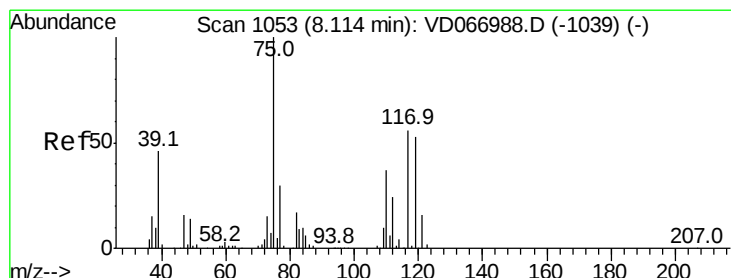
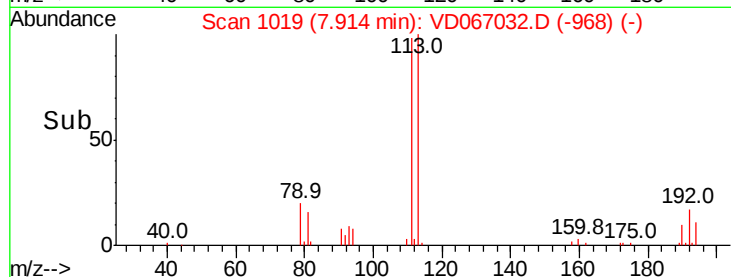
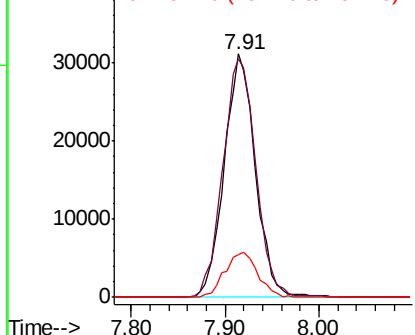
#35
Dibromofluoromethane
Concen: 61.882 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
NB-07-093020

Tot Ion:113 Resp: 71363
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 19.6 15.5 23.3

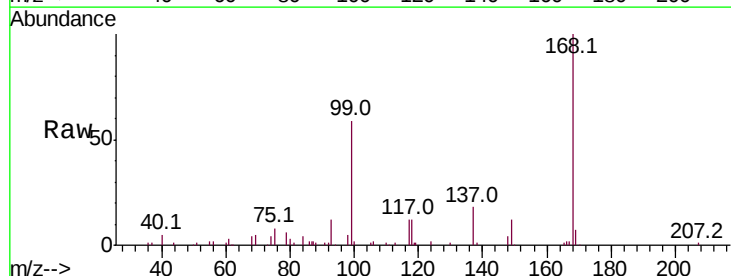


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

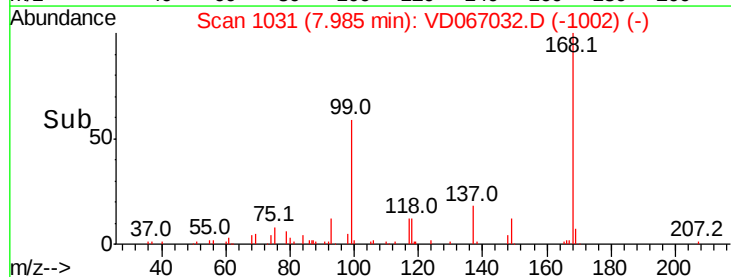
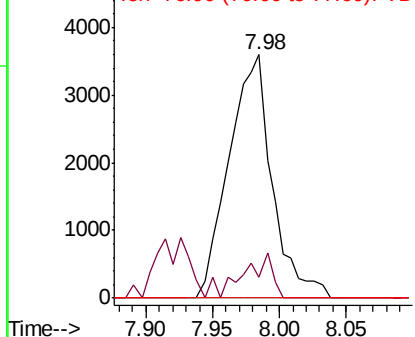


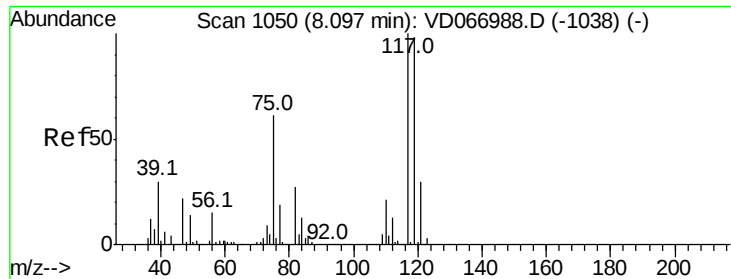
#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

Tgt Ion: 75 Resp: 8090
Ion Ratio Lower Upper
75 100
110 11.5 18.4 55.0#
77 0.0 24.8 37.2#



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

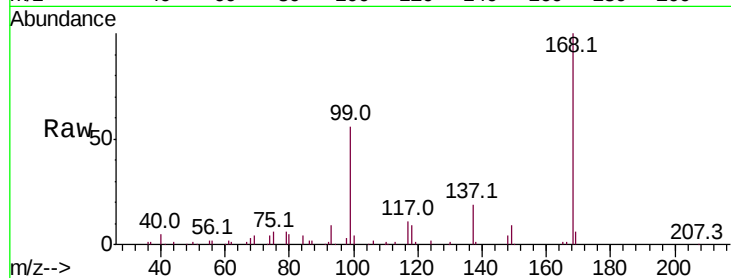




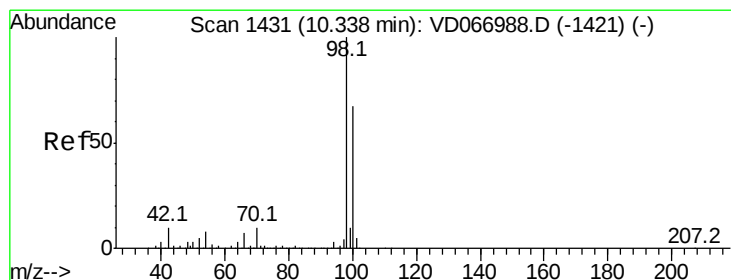
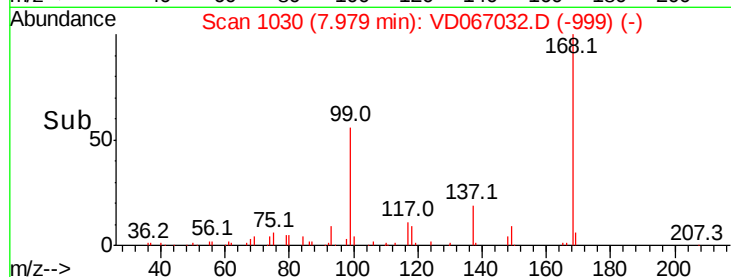
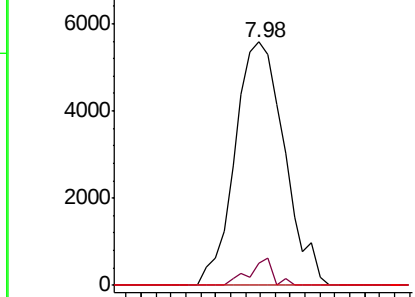
#38
Carbon Tetrachloride
Concen: 7.218 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
NB-07-093020

Tot Ion:117 Resp: 12822
Ion Ratio Lower Upper
117 100
119 9.0 78.7 118.1#
121 0.0 24.2 36.2#

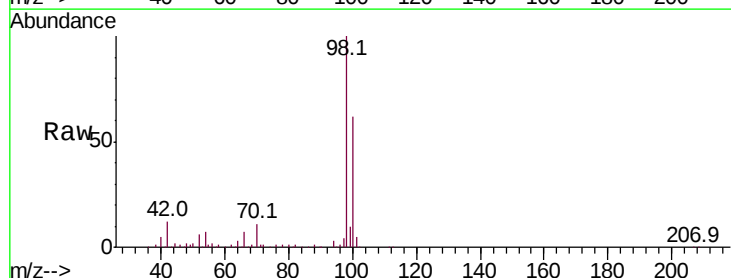


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

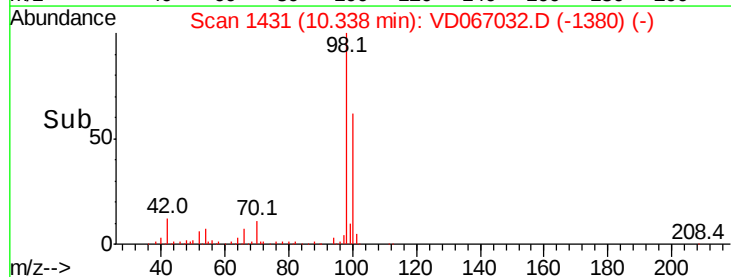
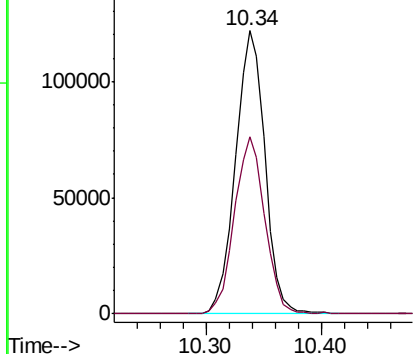


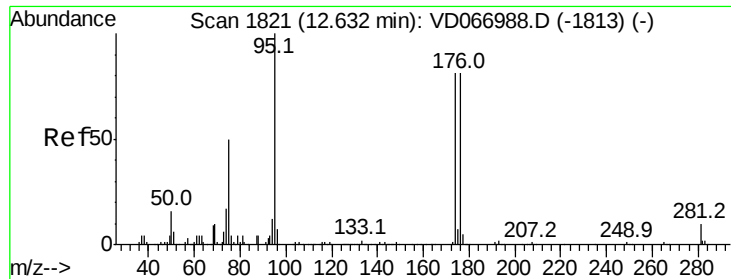
#50
Toluene-d8
Concen: 51.155 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

Tgt Ion: 98 Resp: 214963
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

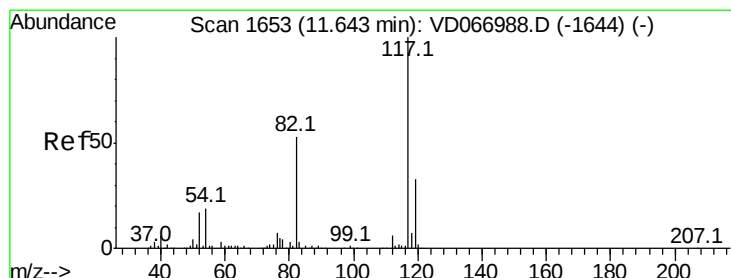
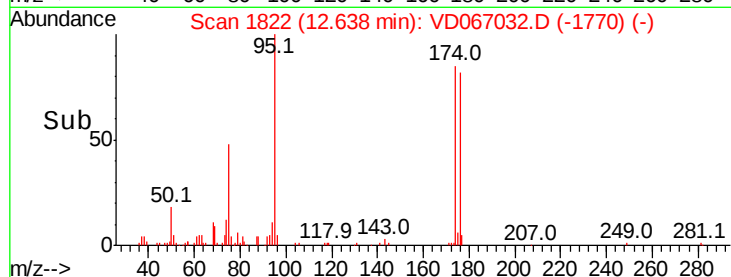
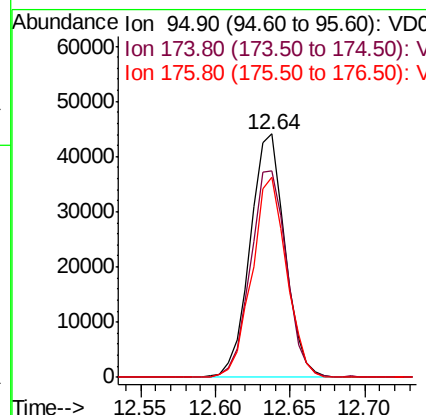
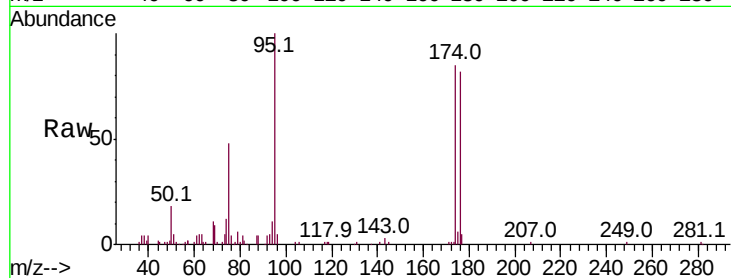




#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

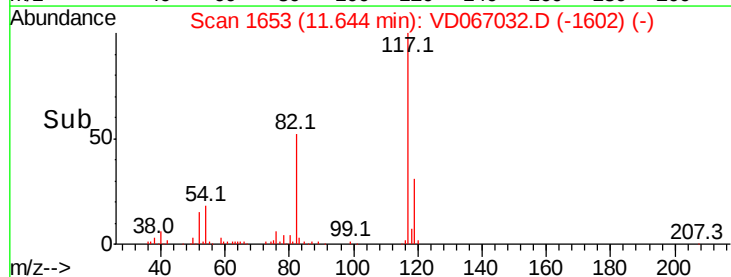
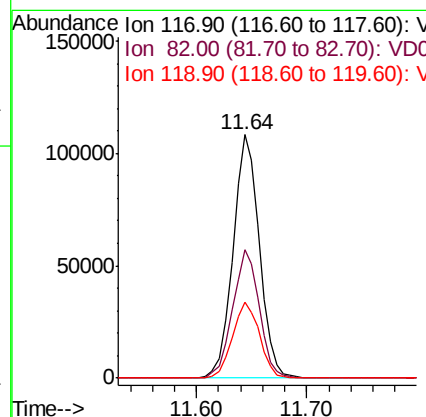
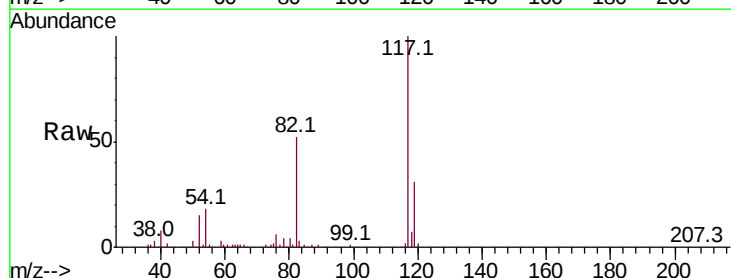
Instrument :
MSVOA_D
ClientSampleId :
NB-07-093020

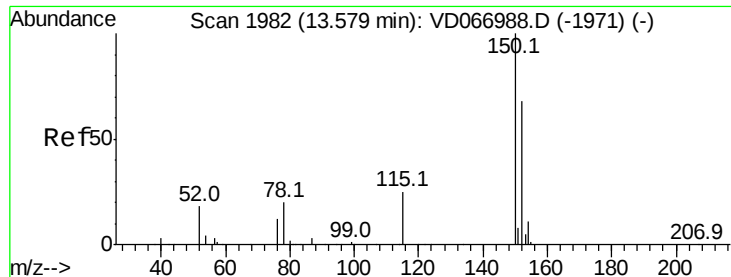
Tot Ion: 95 Resp: 71194
Ion Ratio Lower Upper
95 100
174 87.2 0.0 167.6
176 81.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067032.D
Acq: 02 Oct 2020 13:42

Tgt Ion: 117 Resp: 180941
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 31.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

NB-07-093020

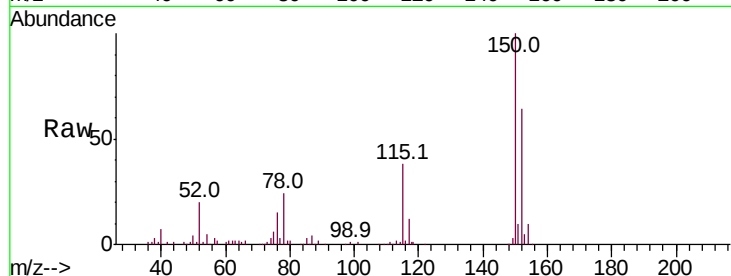
Tot Ion:152 Resp: 81672

Ion Ratio Lower Upper

152 100

115 58.2 29.6 88.8

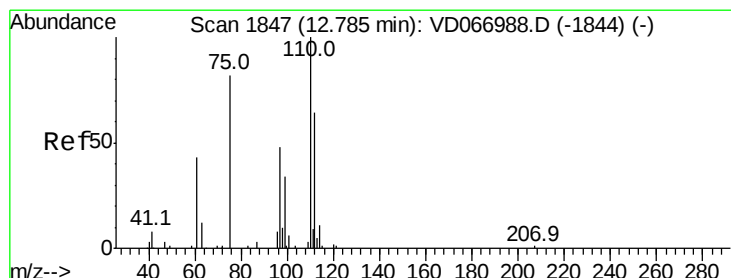
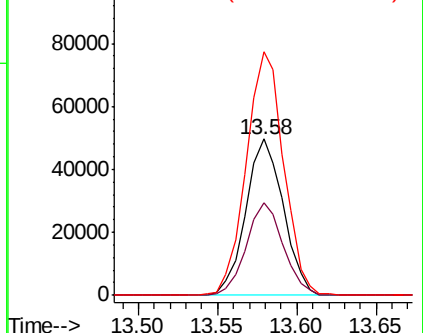
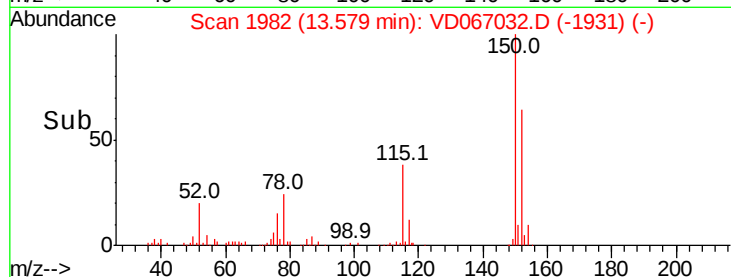
150 155.8 0.0 344.8



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: 51.167 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067032.D

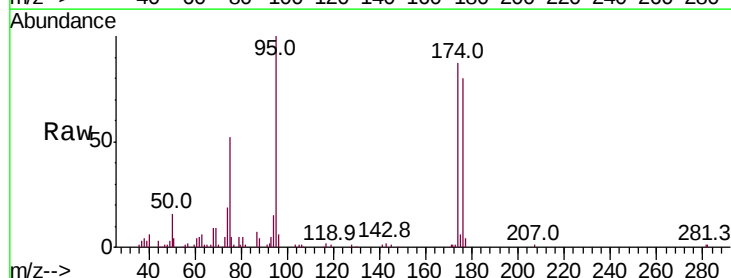
Acq: 02 Oct 2020 13:42

Tgt Ion: 75 Resp: 36400

Ion Ratio Lower Upper

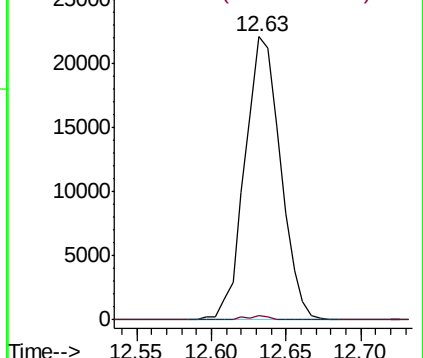
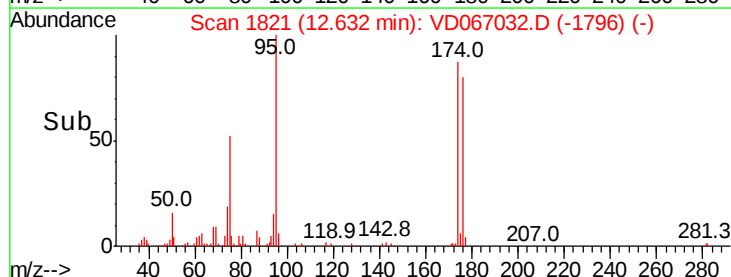
75 100

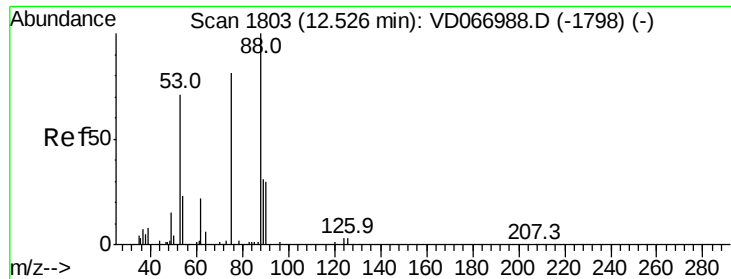
77 0.9 0.0 0.0#



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: 127.567 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067032.D

Acq: 02 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

NB-07-093020

Tot Ion: 75 Resp: 36400

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#

