

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067147.D
 Acq On : 07 Oct 2020 12:48
 Operator : VA/SY
 Sample : L4225-01
 Misc : 6.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-100620

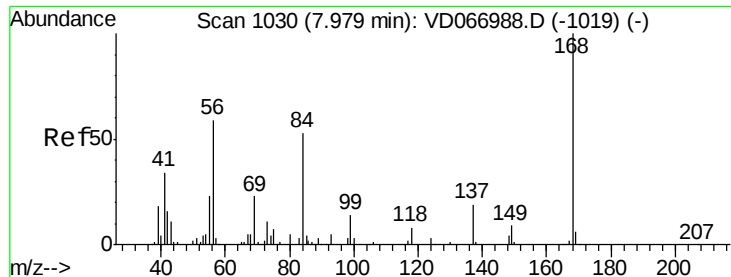
Quant Time: Oct 08 07:22:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	411531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	662699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276720	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	197804	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	7.91	113	210845	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.34	98	771832	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.64	95	250528	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	856	Below Cal		76
5) Bromomethane	2.78	94	380	Below Cal		84
20) Methylene Chloride	4.96	84	19116	Below Cal	#	89
26) 2,2-Dichloropropane	7.22	77	354	Below Cal	#	53
31) Cyclohexane	7.98	56	8226	1.382	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	31364	5.077	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43612	6.525	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2548	1.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	124769	51.764	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124769	129.055	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

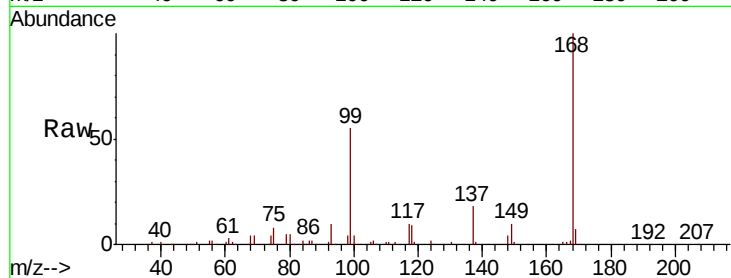
SU-04-100620

Tot Ion:168 Resp: 411531

Ion Ratio Lower Upper

168 100

99 55.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

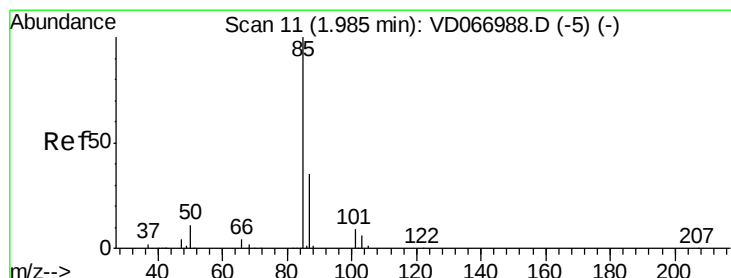
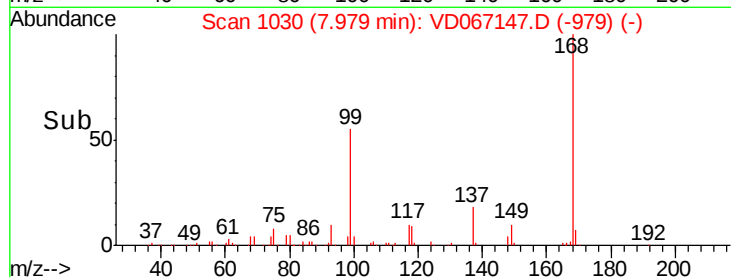
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067147.D

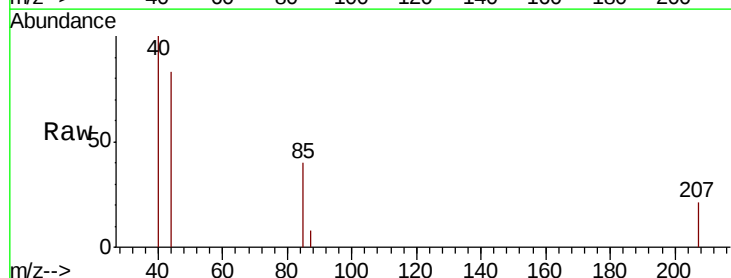
Acq: 07 Oct 2020 12:48

Tgt Ion: 85 Resp: 856

Ion Ratio Lower Upper

85 100

87 20.5 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1200

1000

800

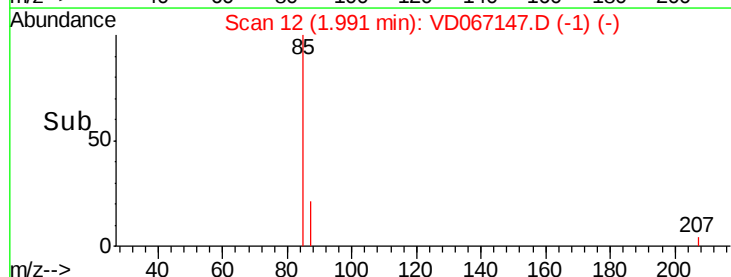
600

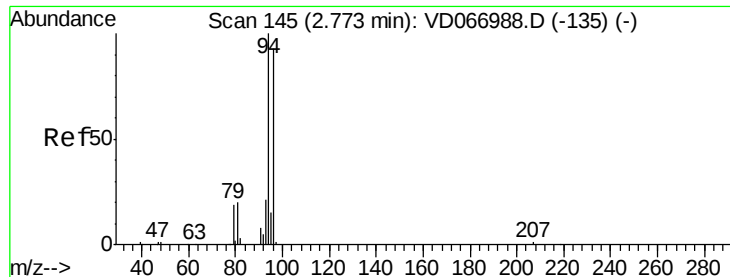
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

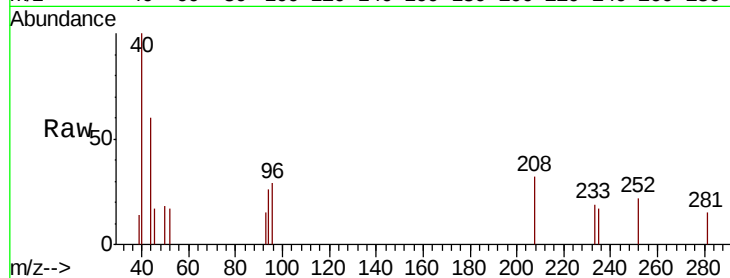
SU-04-100620

Tot Ion: 94 Resp: 380

Ion Ratio Lower Upper

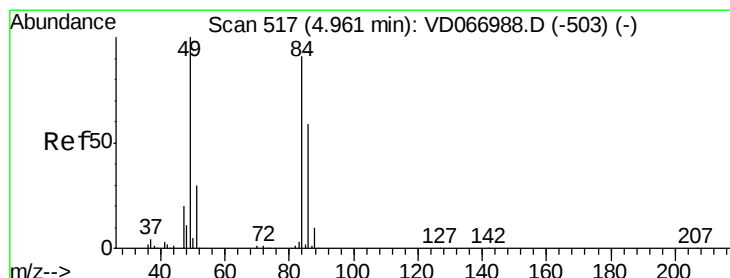
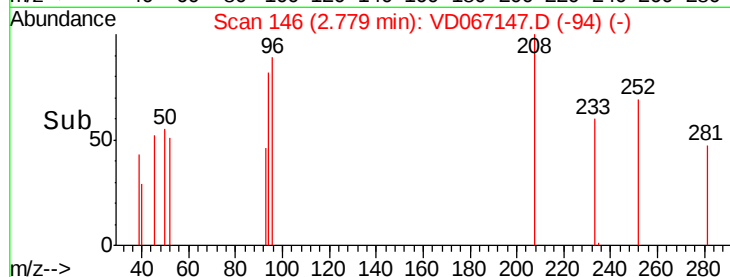
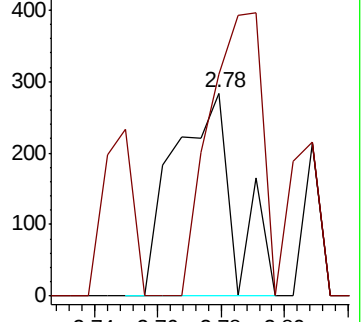
94 100

96 109.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Tgt Ion: 84 Resp: 19116

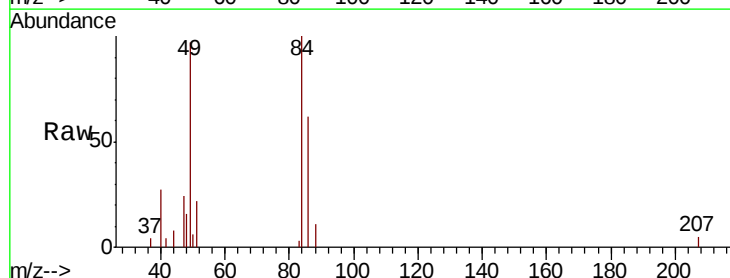
Ion Ratio Lower Upper

84 100

49 97.3 88.2 132.2

51 21.9 26.6 39.8#

86 62.4 52.1 78.1

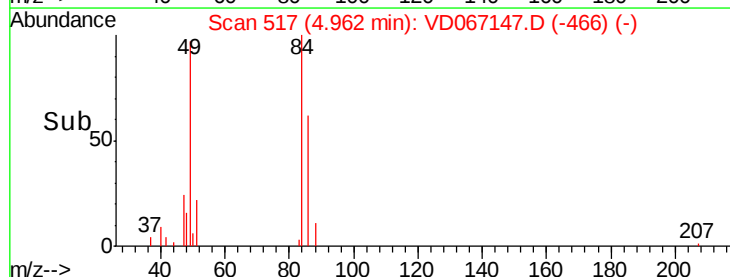
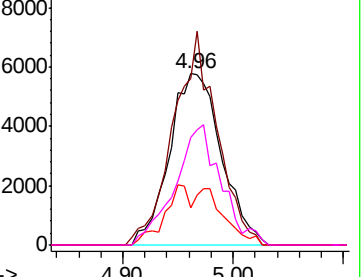


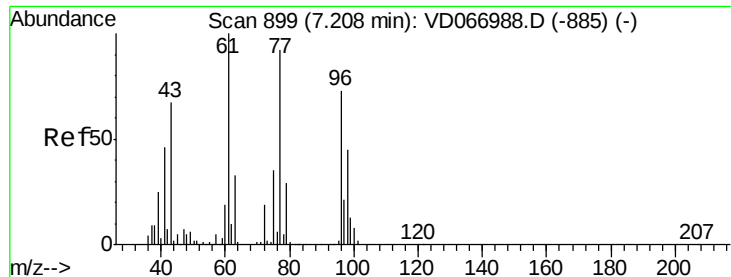
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

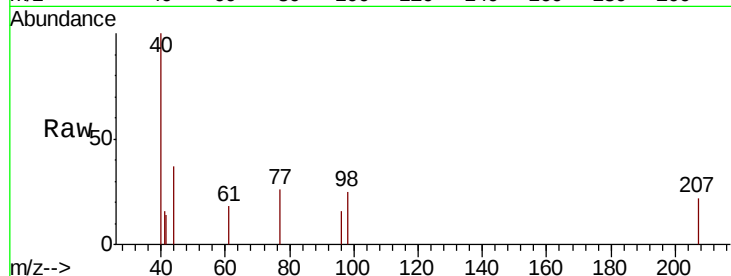
SU-04-100620

Tot Ion: 77 Resp: 354

Ion Ratio Lower Upper

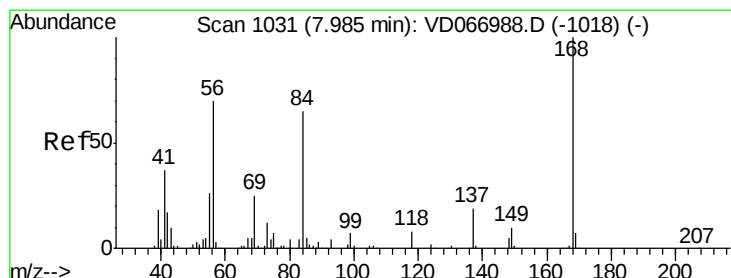
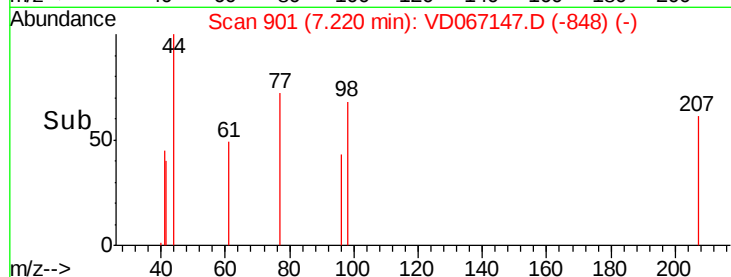
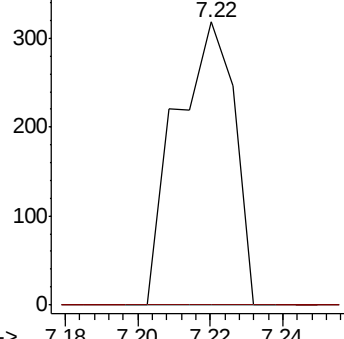
77 100

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



#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

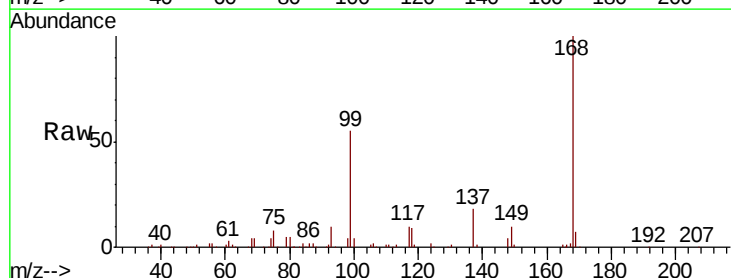
Tgt Ion: 56 Resp: 8226

Ion Ratio Lower Upper

56 100

69 161.9 29.0 43.6#

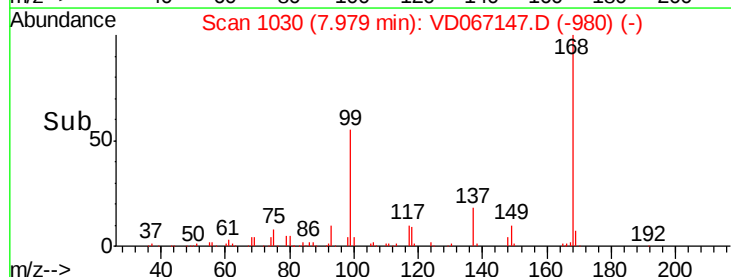
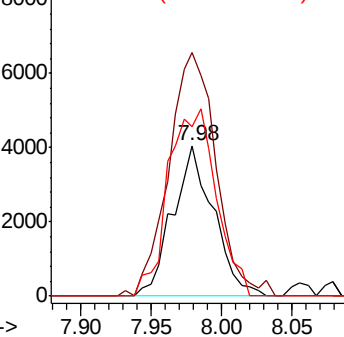
84 112.6 74.2 111.2#

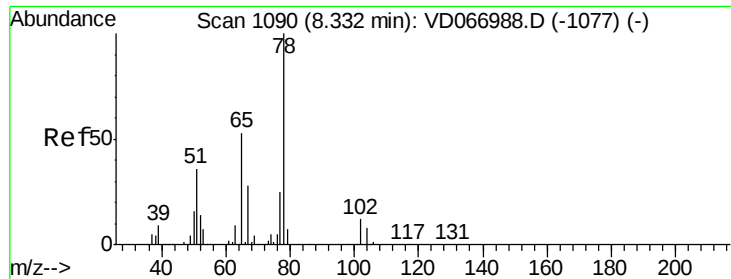


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

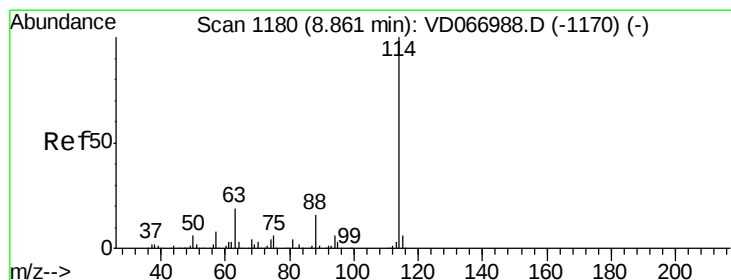
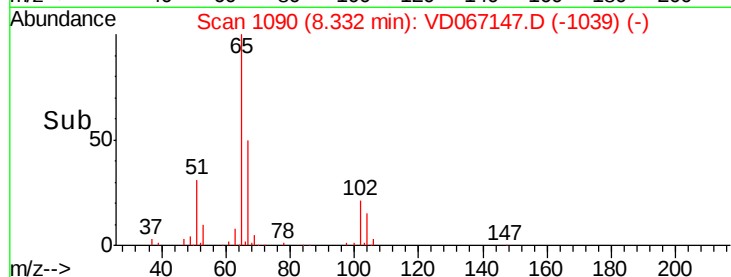
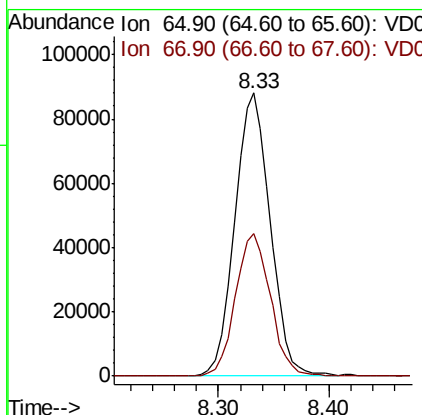
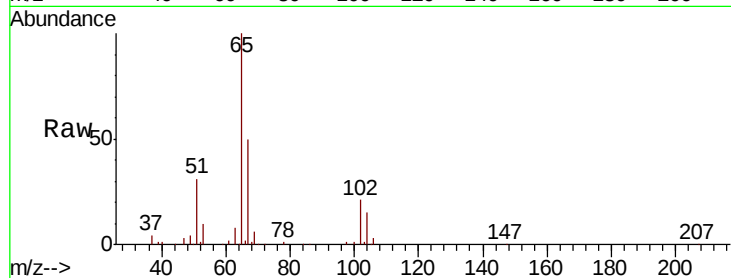




#33
 1,2-Dichloroethane-d4
 Concen: 49.902 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067147.D
 Acq: 07 Oct 2020 12:48

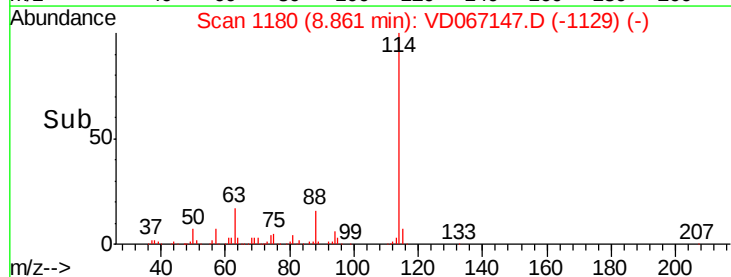
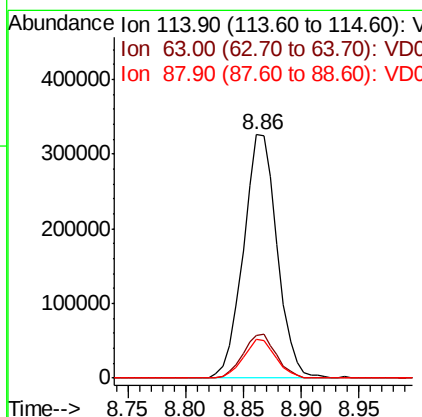
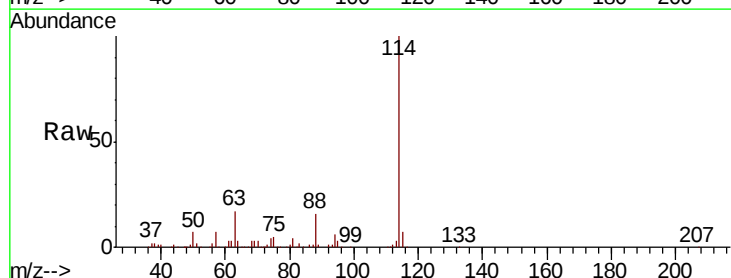
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-100620

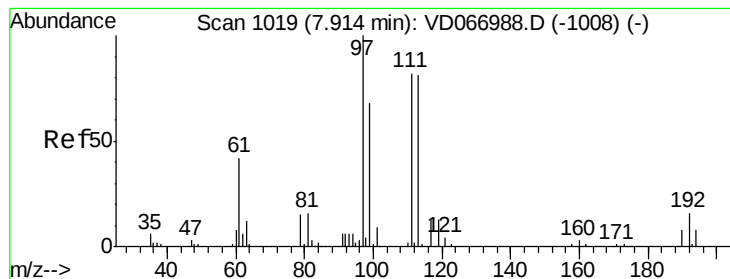
Tot Ion: 65 Resp: 197804
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067147.D
 Acq: 07 Oct 2020 12:48

Tgt Ion: 114 Resp: 662699
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 38.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.598 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

SU-04-100620

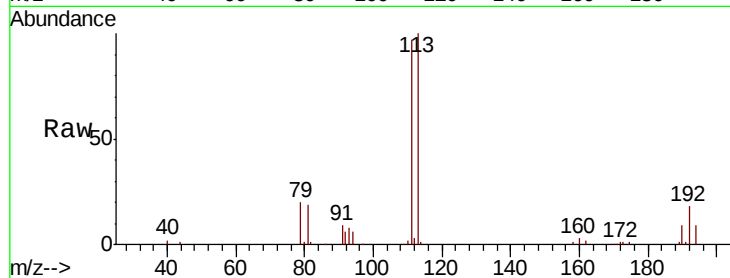
Tot Ion:113 Resp: 210845

Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

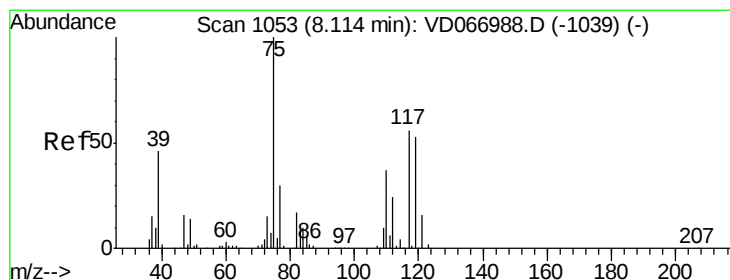
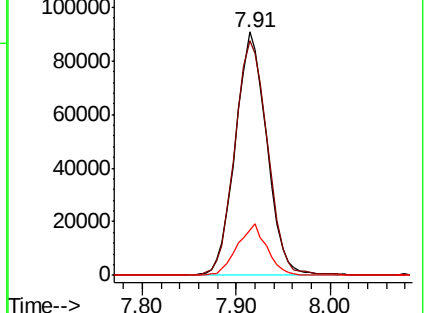
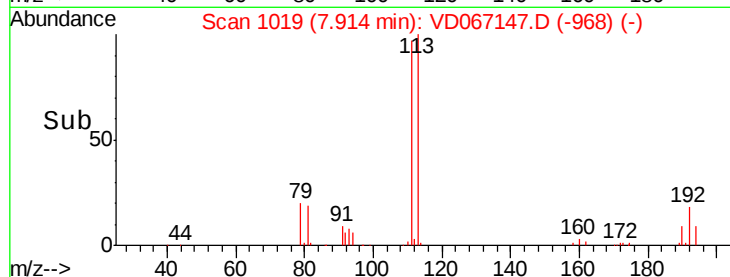
192 19.9 15.5 23.3



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: 5.077 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

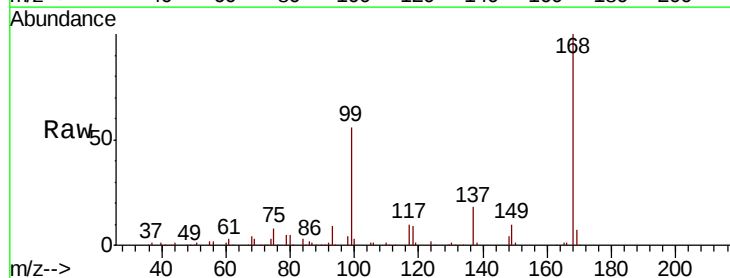
Tgt Ion: 75 Resp: 31364

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.0#

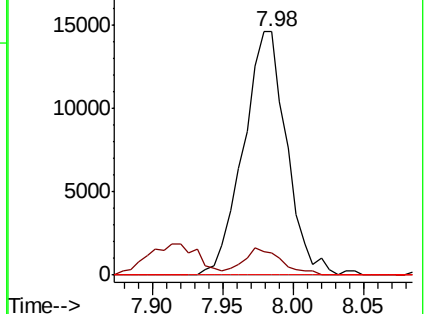
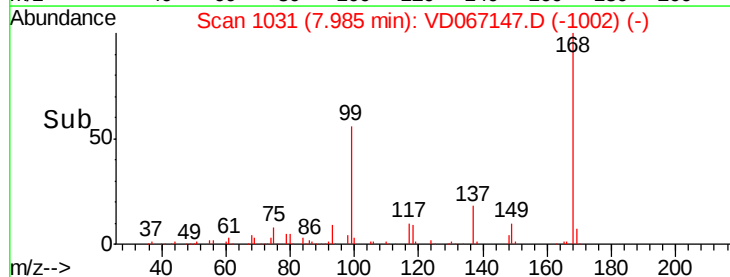
77 0.0 24.8 37.2#

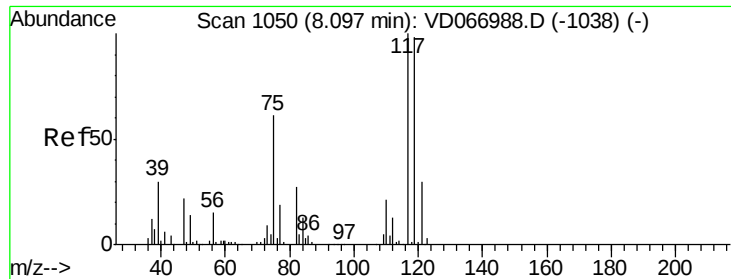


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

SU-04-100620

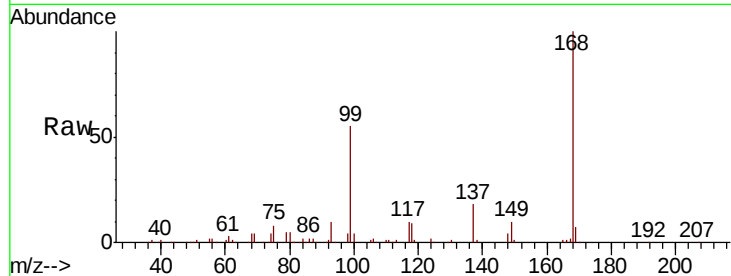
Tot Ion:117 Resp: 43612

Ion Ratio Lower Upper

117 100

119 7.1 78.7 118.1#

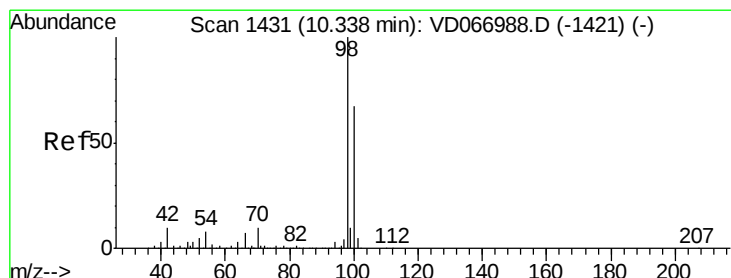
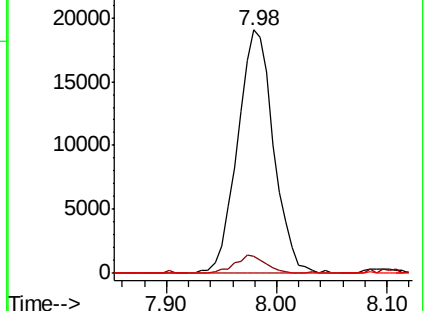
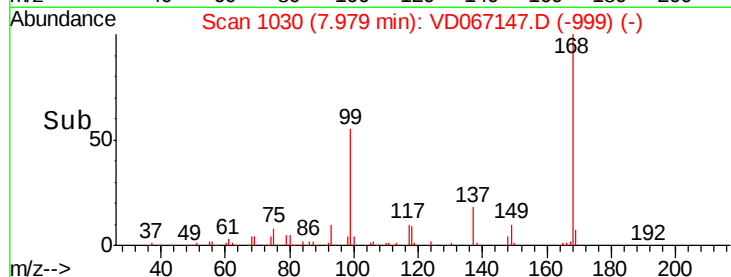
121 0.0 24.2 36.2#



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: 48.822 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067147.D

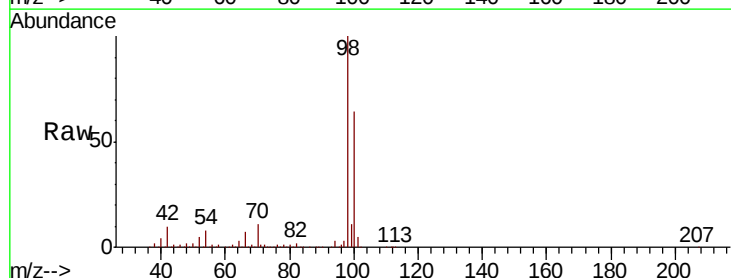
Acq: 07 Oct 2020 12:48

Tgt Ion: 98 Resp: 771832

Ion Ratio Lower Upper

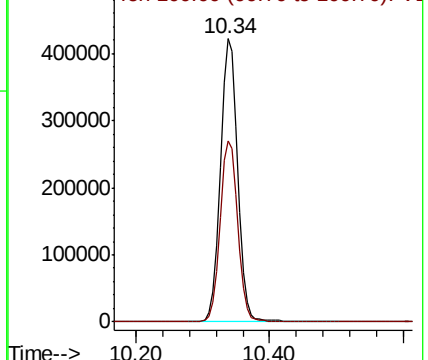
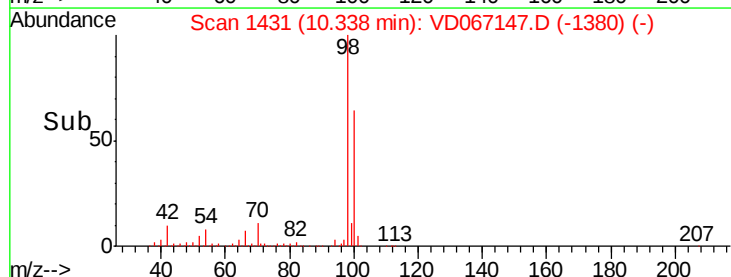
98 100

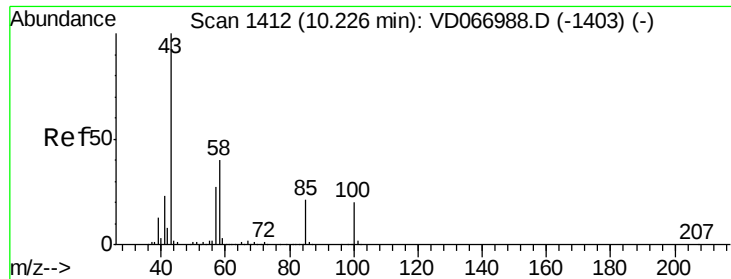
100 65.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.298 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

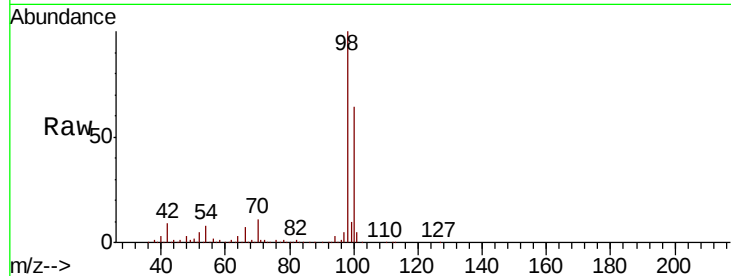
SU-04-100620

Tot Ion: 43 Resp: 2548

Ion Ratio Lower Upper

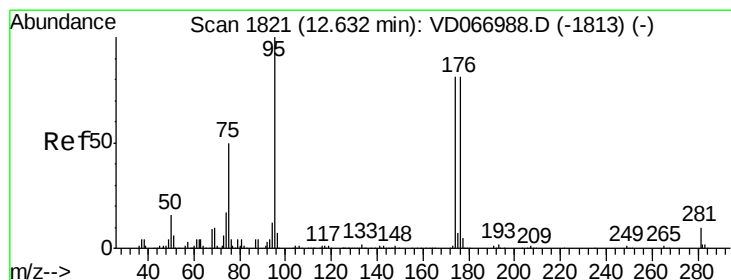
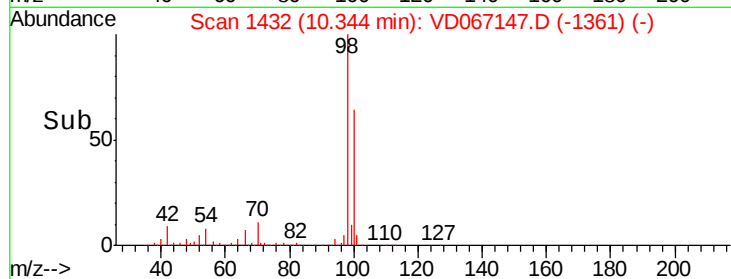
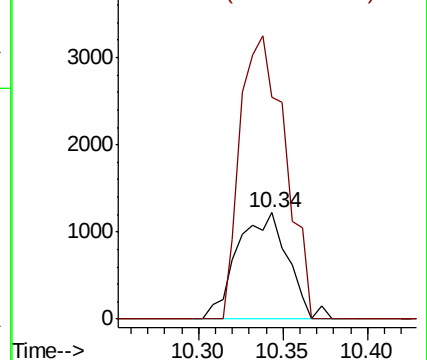
43 100

58 235.4 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.681 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

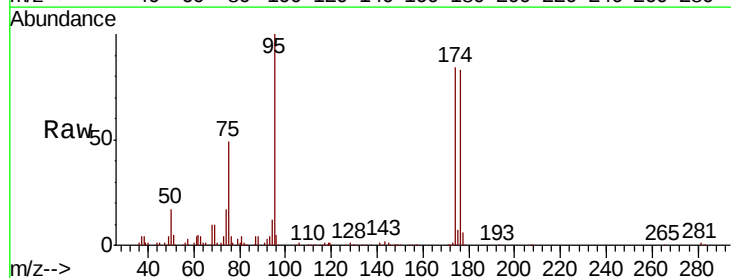
Tgt Ion: 95 Resp: 250528

Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.6

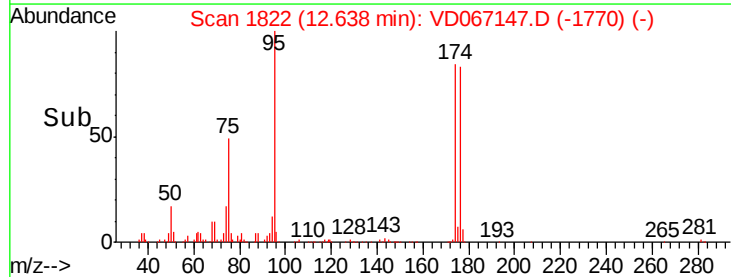
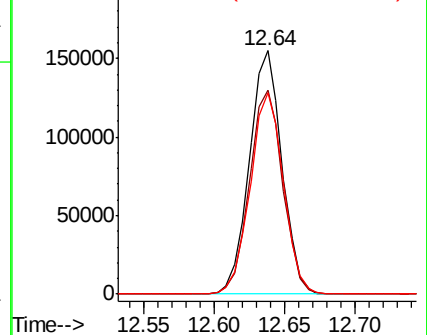
176 84.4 0.0 162.4

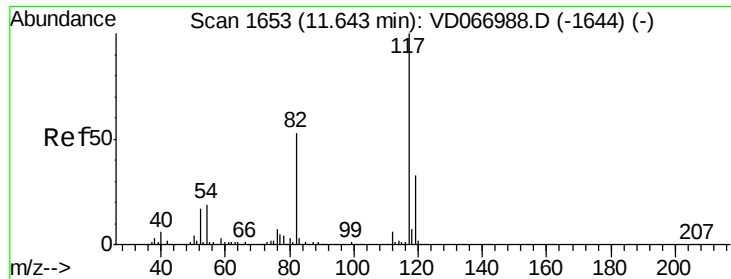


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

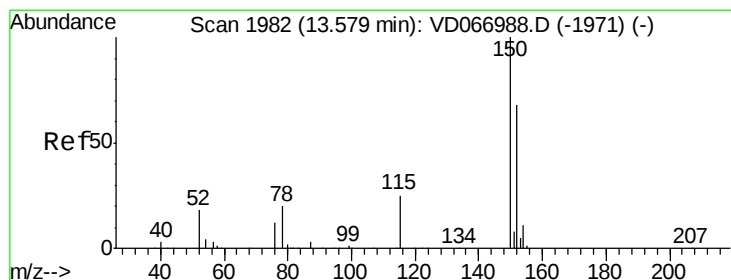
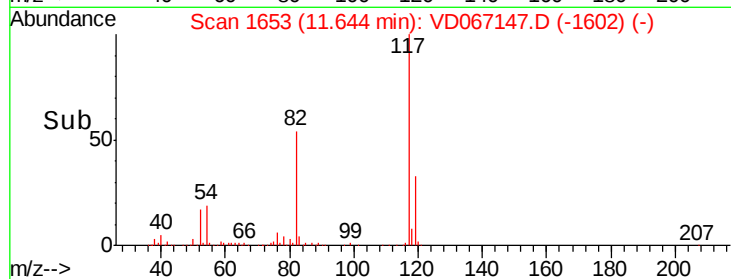
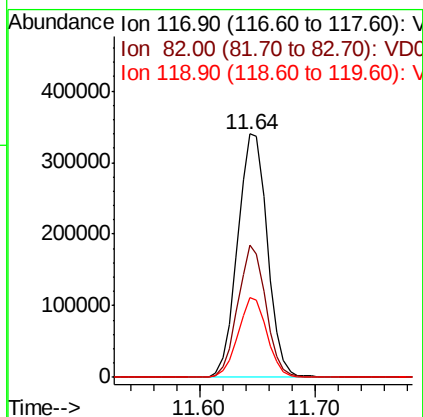
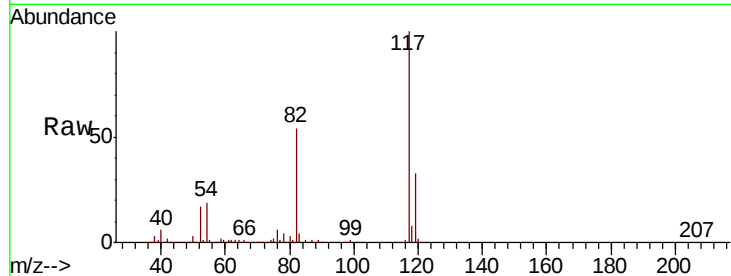




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067147.D
Acq: 07 Oct 2020 12:48

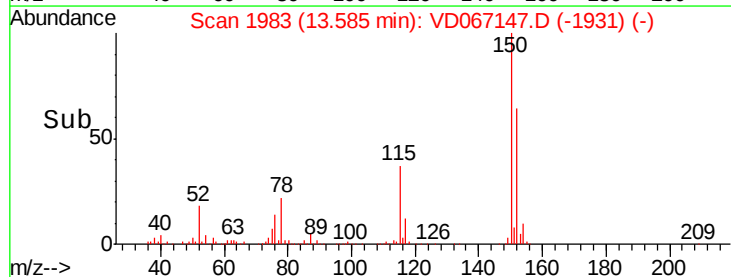
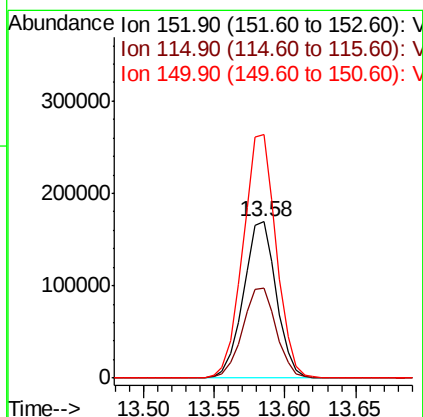
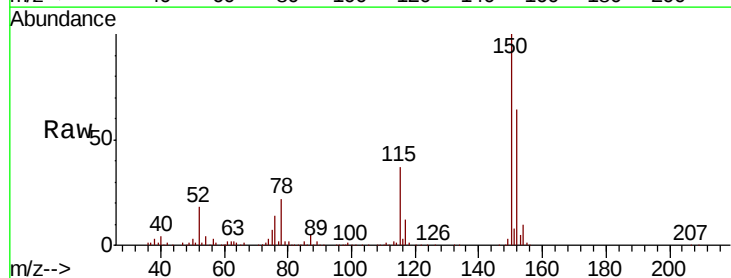
Instrument :
MSVOA_D
ClientSampleId :
SU-04-100620

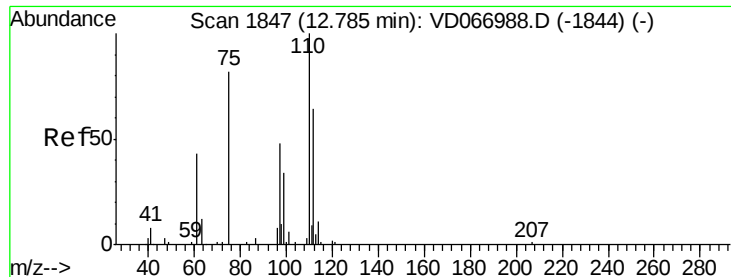
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	32.8	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067147.D
Acq: 07 Oct 2020 12:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.6	88.8
150	156.7	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.764 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

Instrument :

MSVOA_D

ClientSampleId :

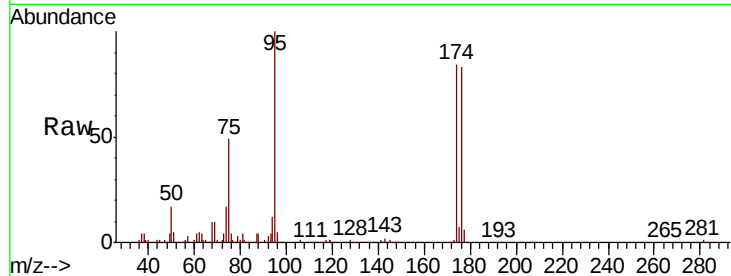
SU-04-100620

Tot Ion: 75 Resp: 124769

Ion Ratio Lower Upper

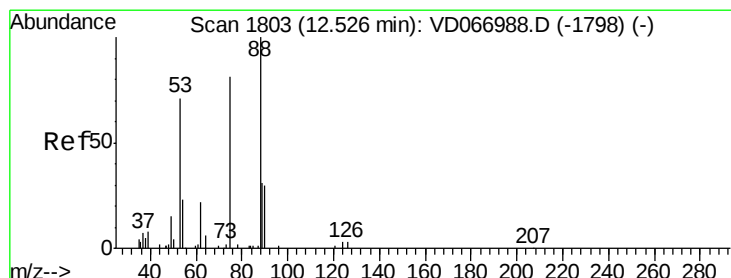
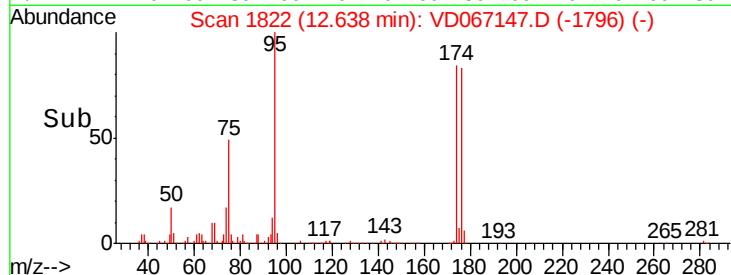
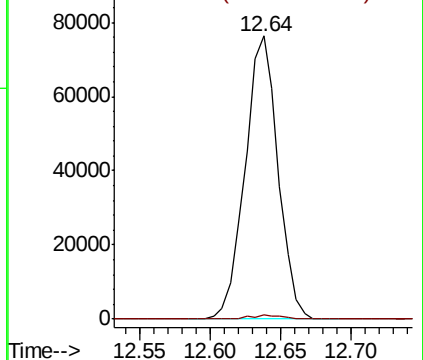
75 100

77 1.4 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: 129.055 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067147.D

Acq: 07 Oct 2020 12:48

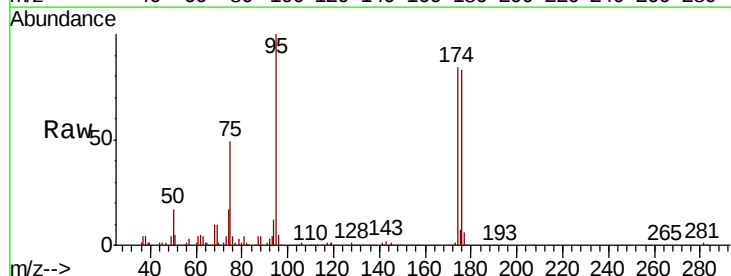
Tgt Ion: 75 Resp: 124769

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

