

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067200.D
 Acq On : 08 Oct 2020 17:48
 Operator : VA/SY
 Sample : L4329-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Quant Time: Oct 09 03:05:55 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	372775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	600608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205102	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	186217	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.92	113	193763	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.34	98	697959	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.64	95	206614	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

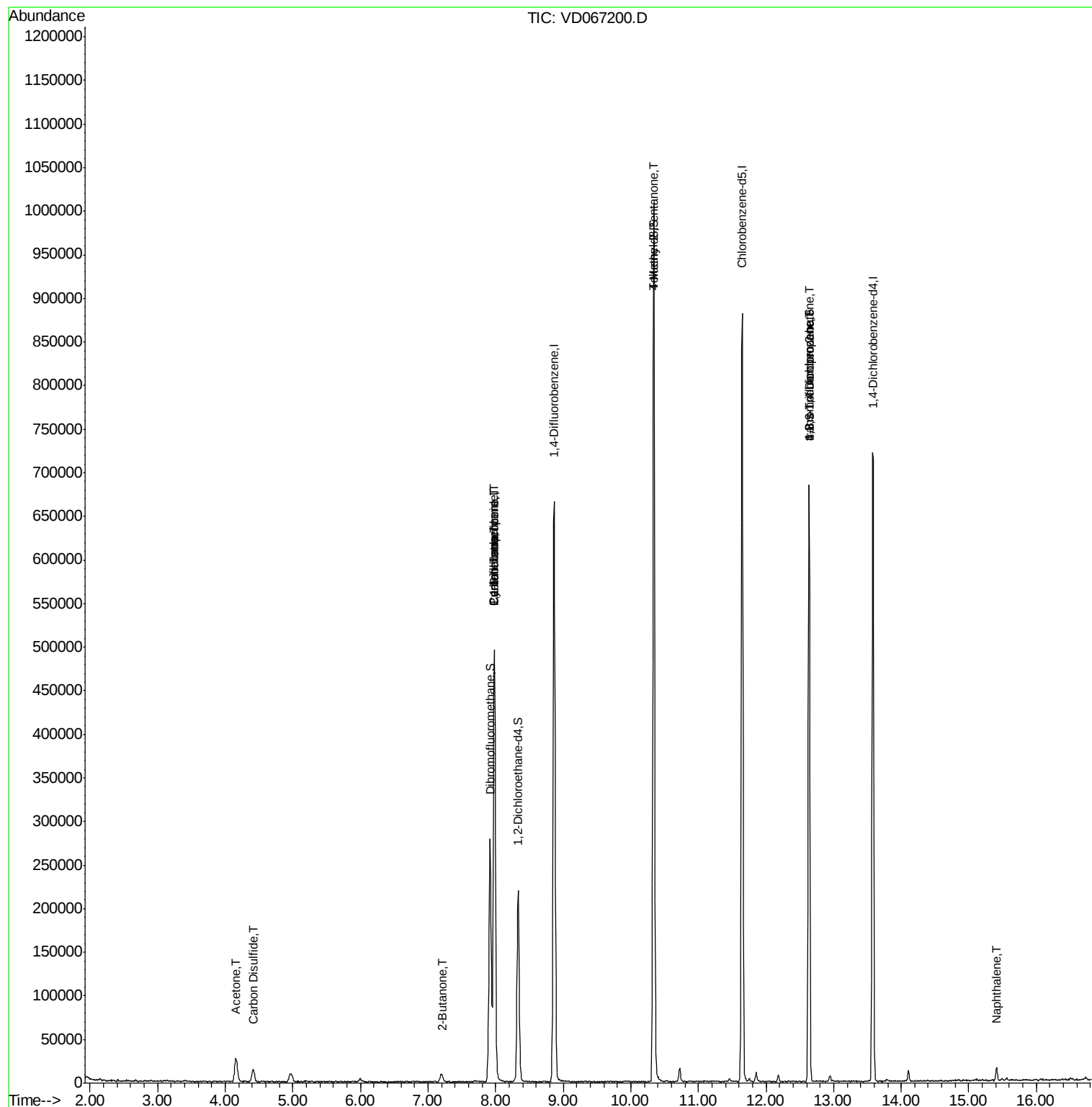
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	235	Below Cal	#	19
5) Bromomethane	2.79	94	74	Below Cal		100
11) Tert butyl alcohol	5.20	59	351	Below Cal	#	72
16) Acetone	4.16	43	50174	91.542	ug/l #	88
17) Carbon Disulfide	4.41	76	30860	2.862	ug/l	97
20) Methylene Chloride	4.96	84	5241	Below Cal	#	91
25) 2-Butanone	7.21	43	1642	2.113	ug/l #	24
26) 2,2-Dichloropropane	7.22	77	222	Below Cal	#	53
31) Cyclohexane	7.98	56	7045	1.307	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	25429	4.542	ug/l #	52
38) Carbon Tetrachloride	7.98	117	38316	6.326	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2812	1.580	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	105426	59.012	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105426	147.125	ug/l #	12
95) Naphthalene	15.41	128	11836	1.918	ug/l #	93

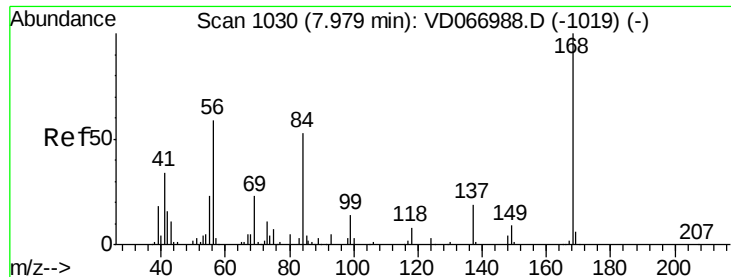
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampled :

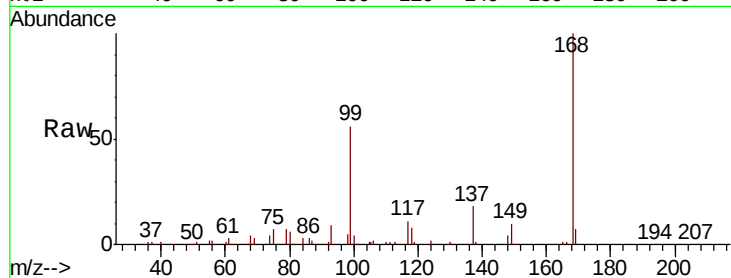
S-1A

Tot Ion:168 Resp: 372775

Ion Ratio Lower Upper

168 100

99 56.1 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

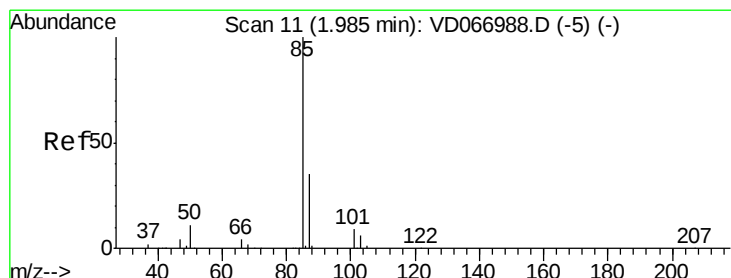
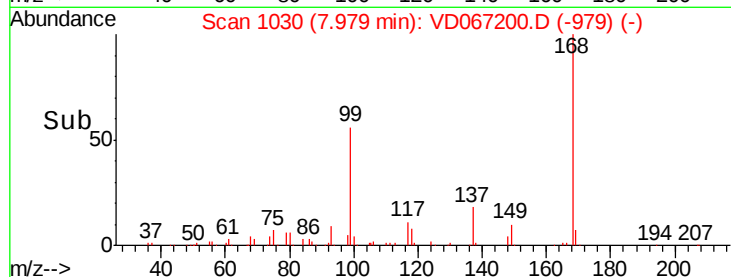
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067200.D

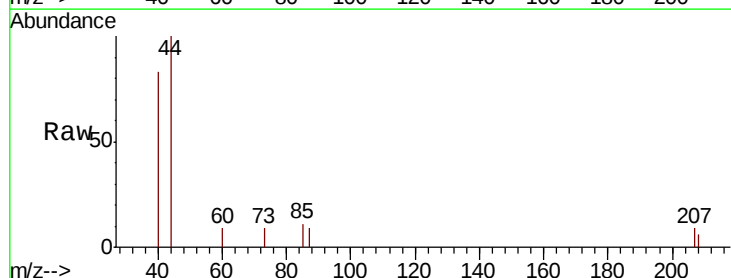
Acq: 08 Oct 2020 17:48

Tgt Ion: 85 Resp: 235

Ion Ratio Lower Upper

85 100

87 81.4 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

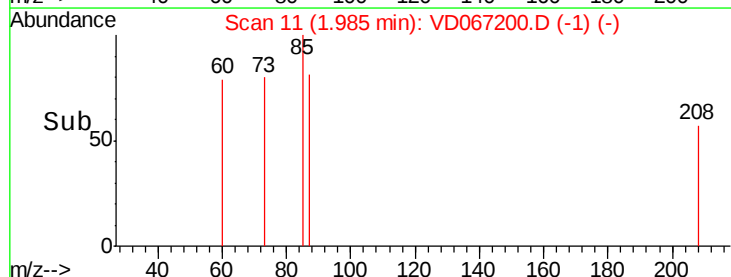
300

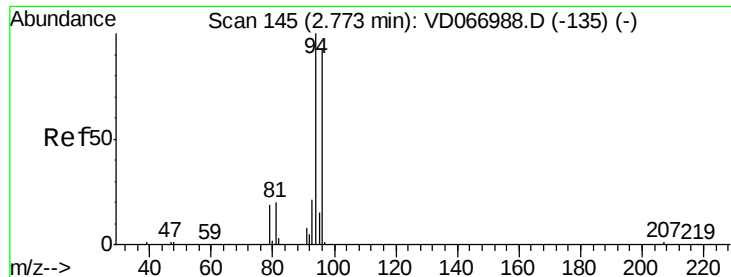
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

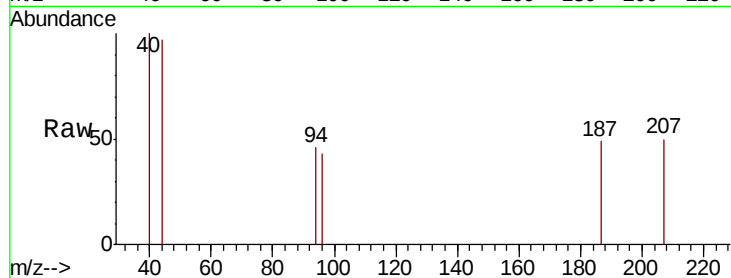
S-1A

Tot Ion: 94 Resp: 74

Ion Ratio Lower Upper

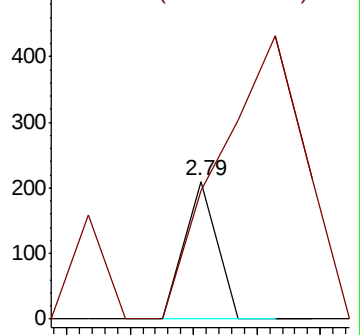
94 100

96 93.3 74.6 112.0

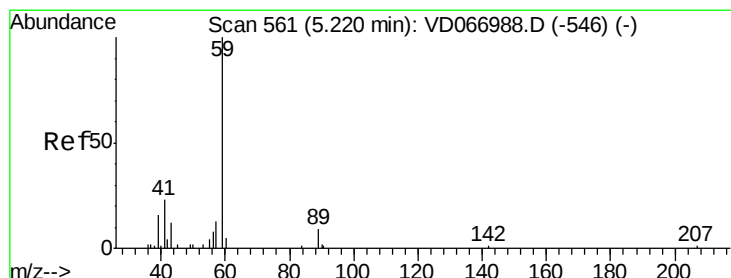
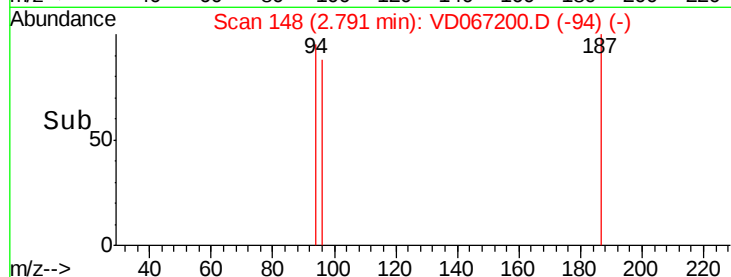


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067200.D

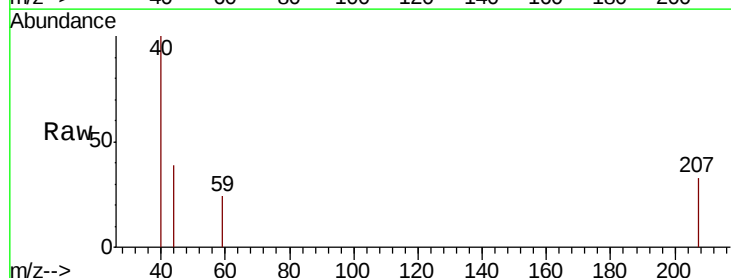
Acq: 08 Oct 2020 17:48

Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

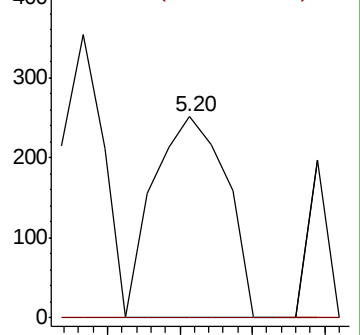
59 100

57 0.0 8.2 12.4#

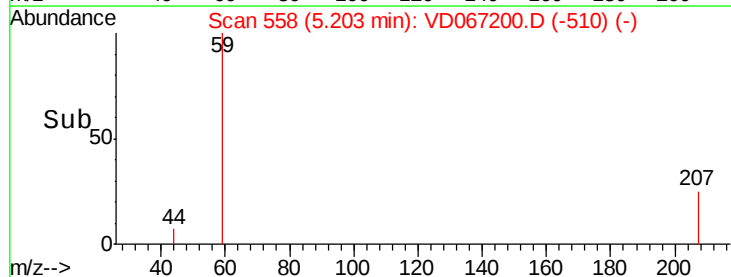


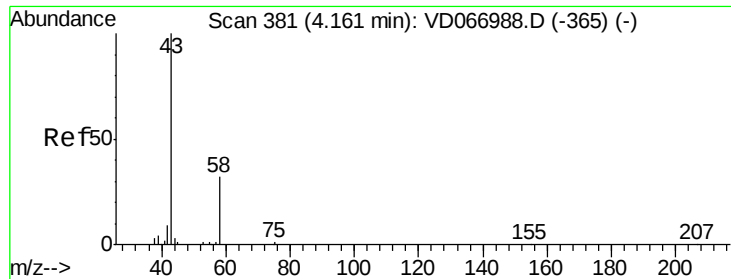
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 91.542 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

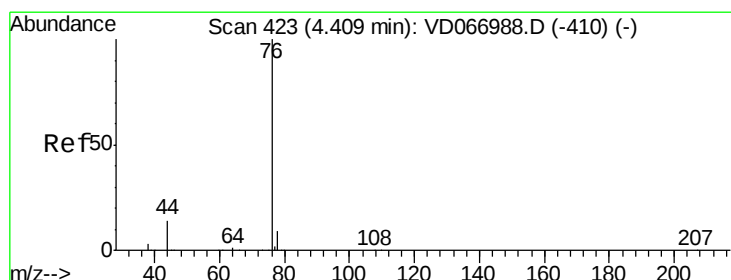
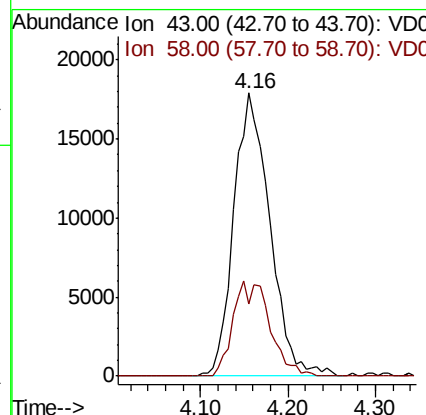
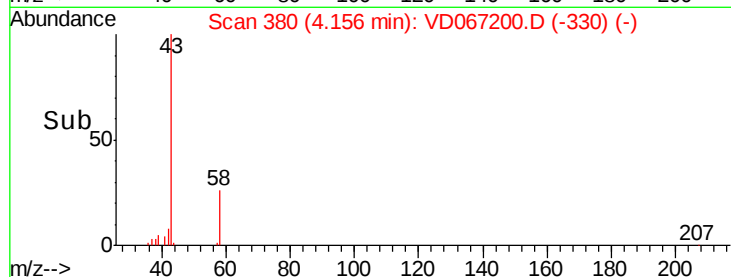
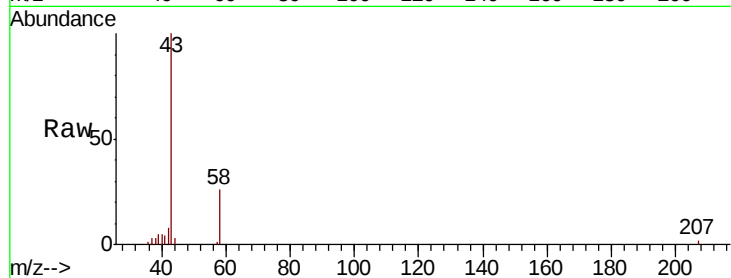
S-1A

Tot Ion: 43 Resp: 50174

Ion Ratio Lower Upper

43 100

58 25.6 25.9 38.9#



#17

Carbon Disulfide

Concen: 2.862 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067200.D

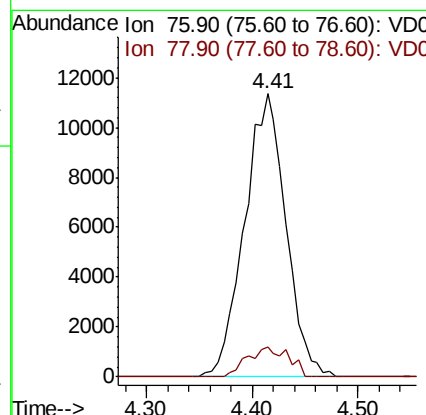
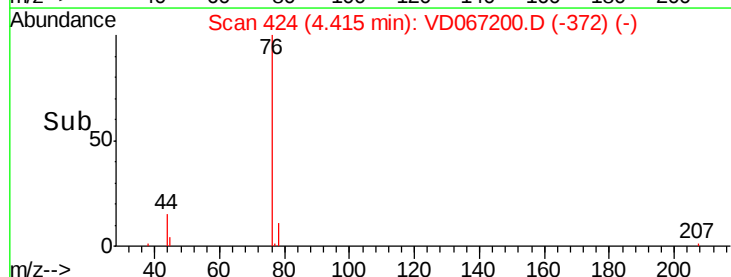
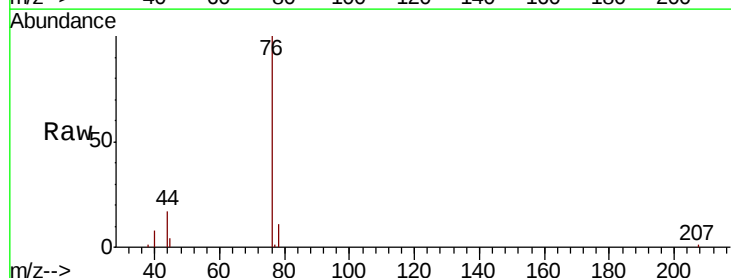
Acq: 08 Oct 2020 17:48

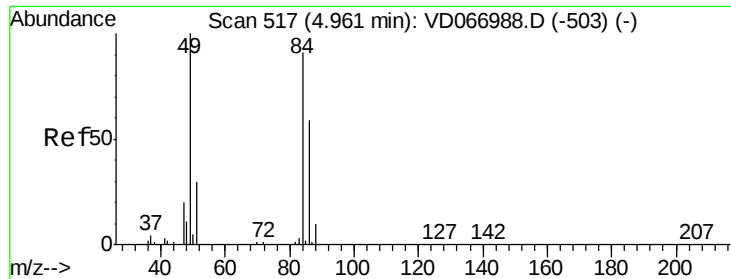
Tgt Ion: 76 Resp: 30860

Ion Ratio Lower Upper

76 100

78 10.6 7.5 11.3

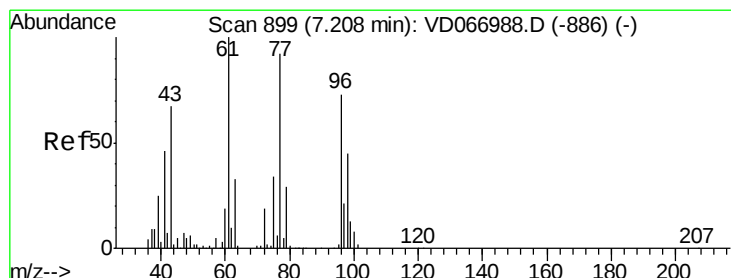
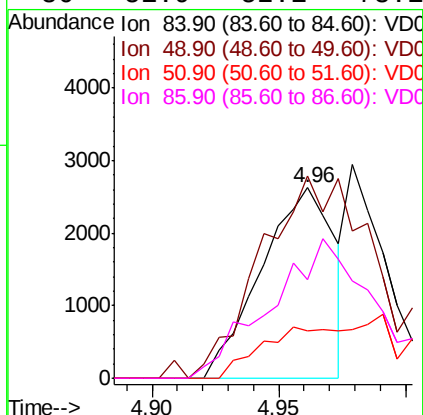
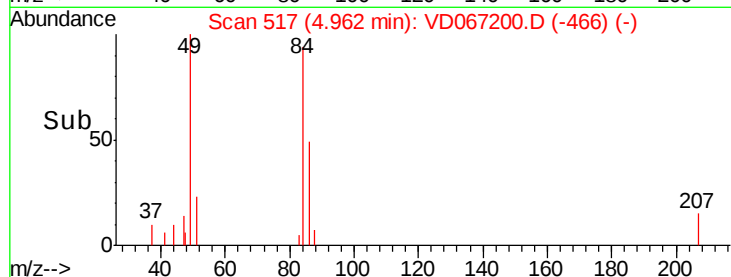
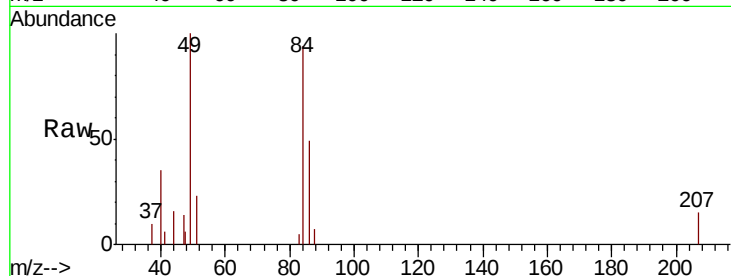




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067200.D
Acq: 08 Oct 2020 17:48

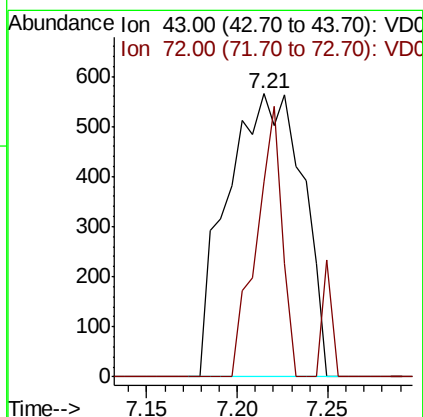
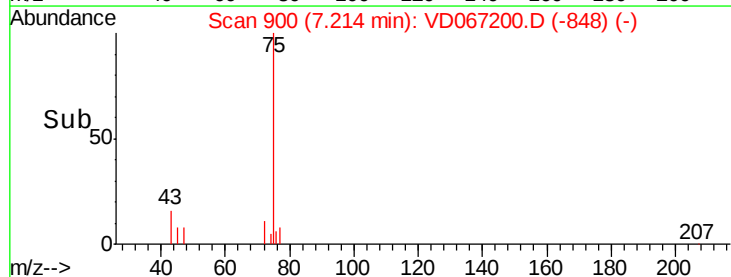
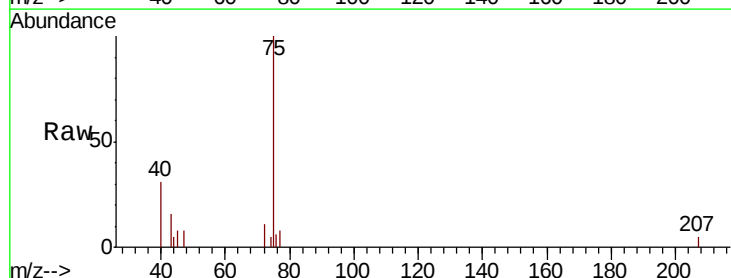
Instrument :
MSVOA_D
ClientSampleId :
S-1A

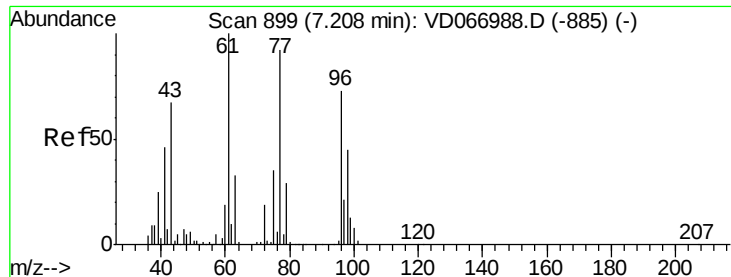
Tot Ion: 84 Resp: 5241
Ion Ratio Lower Upper
84 100
49 106.6 88.2 132.2
51 24.8 26.6 39.8#
86 51.9 52.1 78.1#



#25
2-Butanone
Concen: 2.113 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067200.D
Acq: 08 Oct 2020 17:48

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
72 69.0 22.8 34.2#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

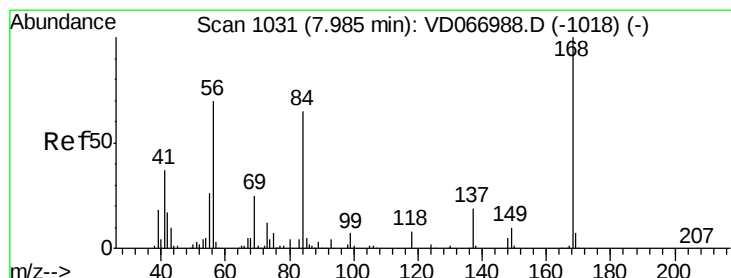
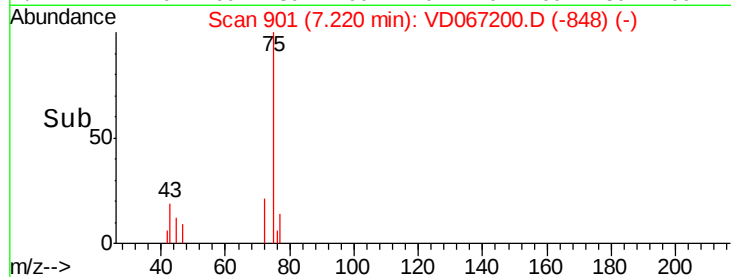
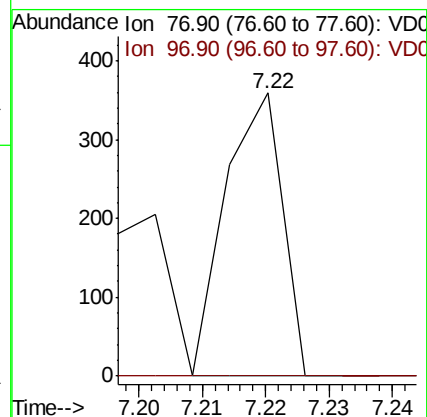
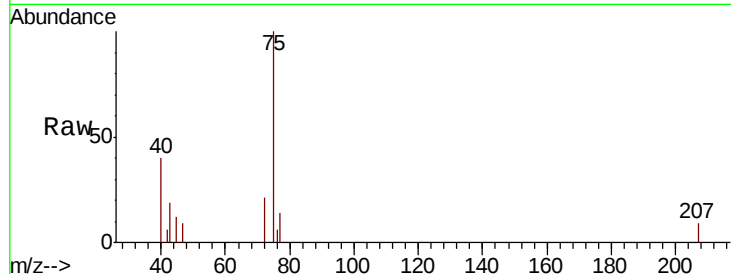
S-1A

Tot Ion: 77 Resp: 222

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

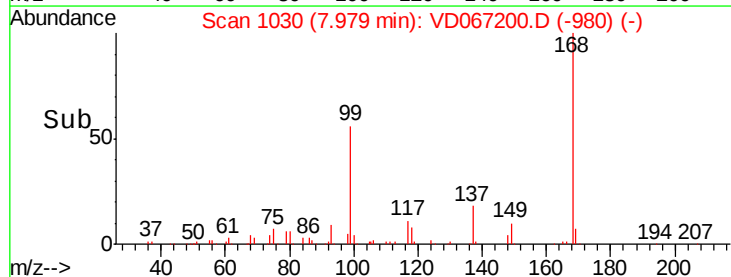
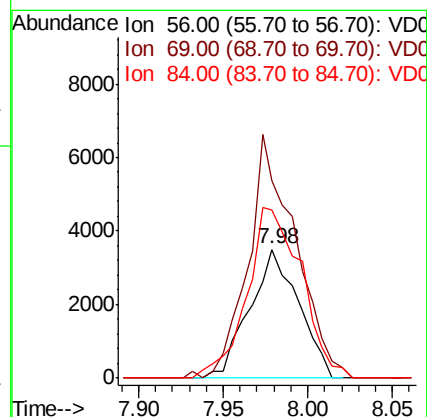
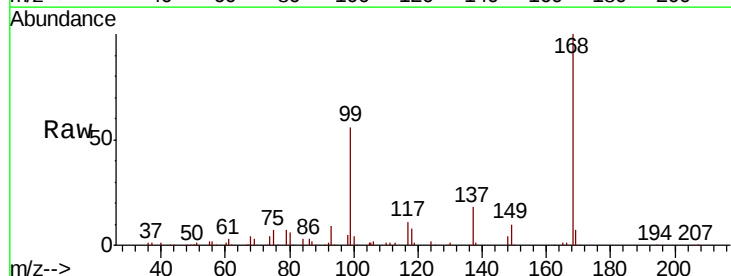
Tgt Ion: 56 Resp: 7045

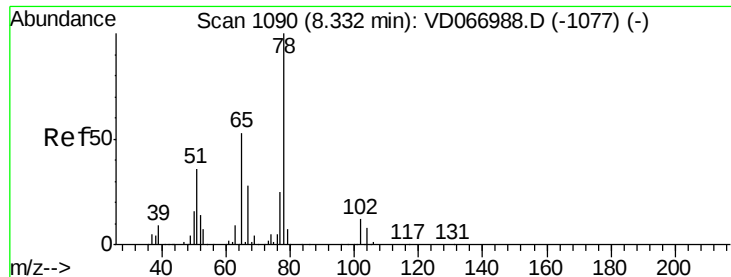
Ion Ratio Lower Upper

56 100

69 148.1 29.0 43.6#

84 130.3 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 51.863 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

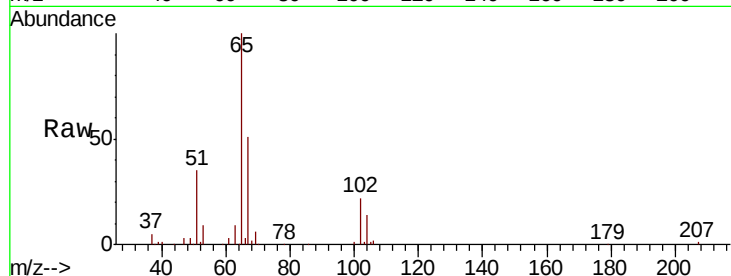
S-1A

Tot Ion: 65 Resp: 186217

Ion Ratio Lower Upper

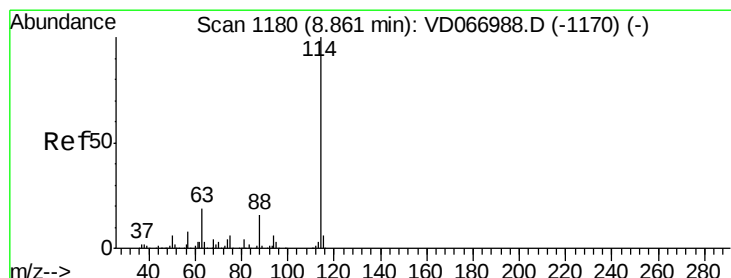
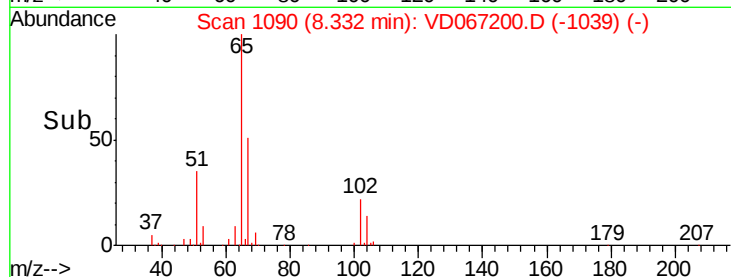
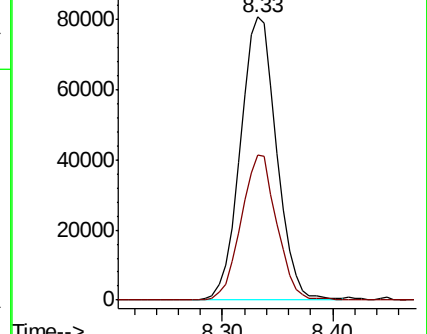
65 100

67 50.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

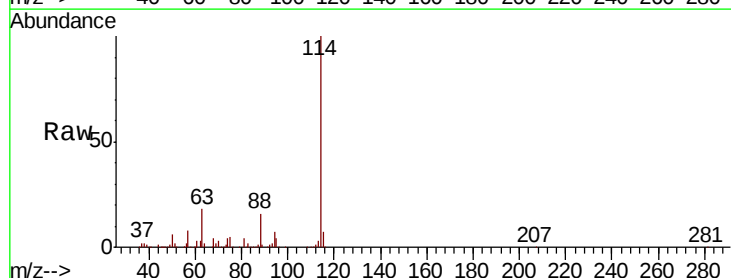
Tgt Ion: 114 Resp: 600608

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

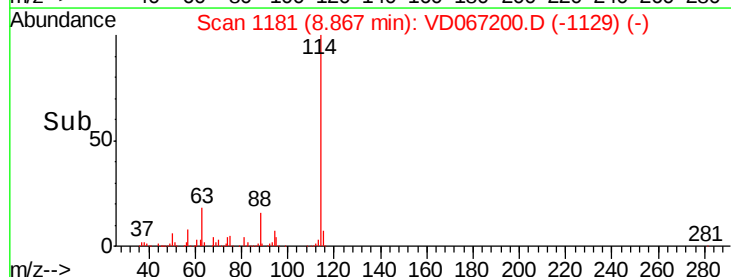
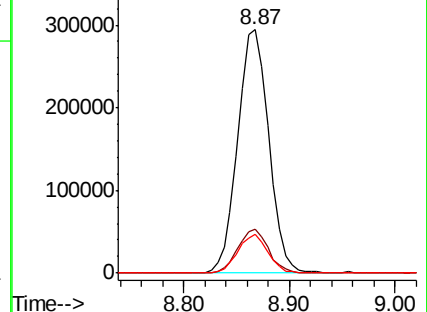
88 15.7 0.0 31.2

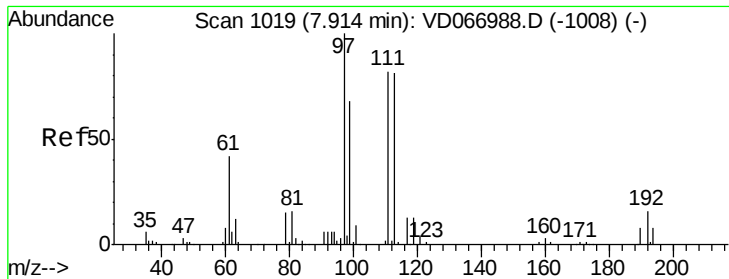


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

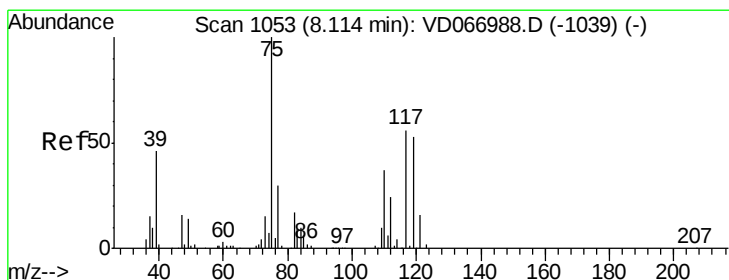
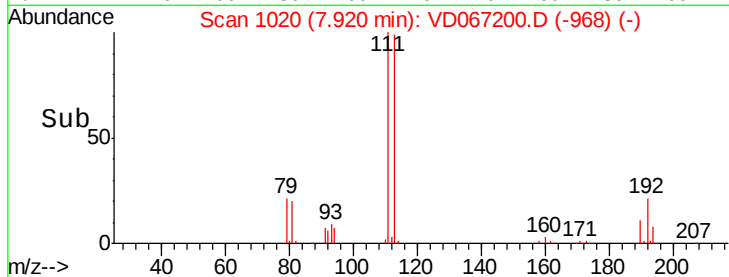
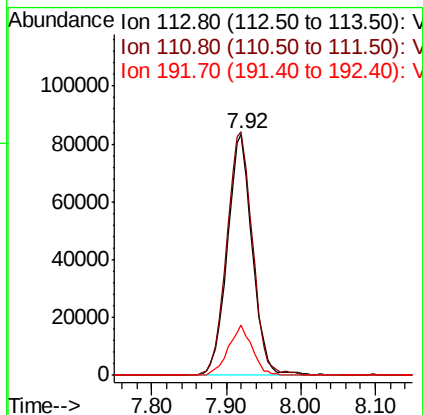
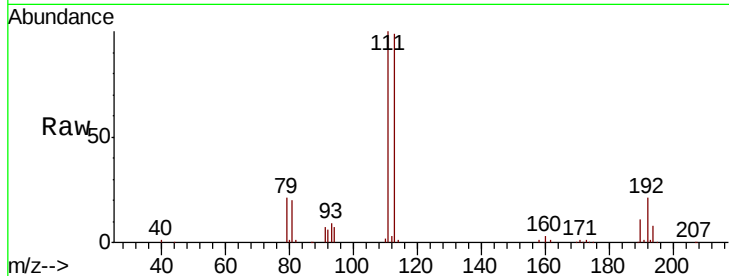




#35
 Dibromofluoromethane
 Concen: 49.278 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067200.D
 Acq: 08 Oct 2020 17:48

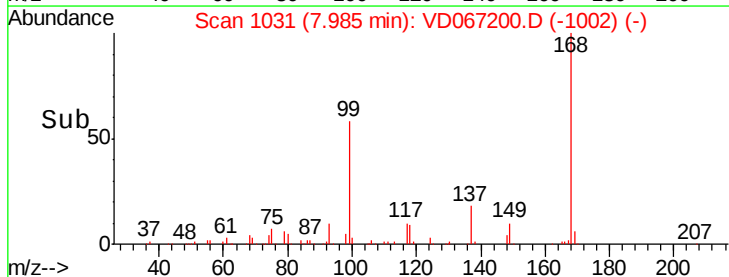
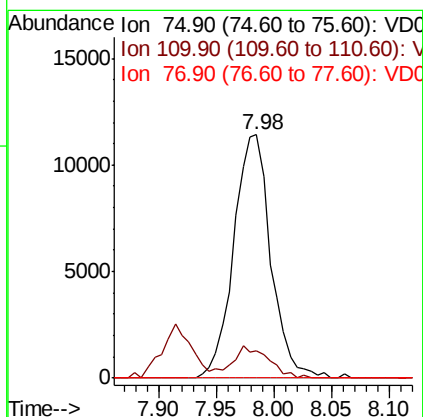
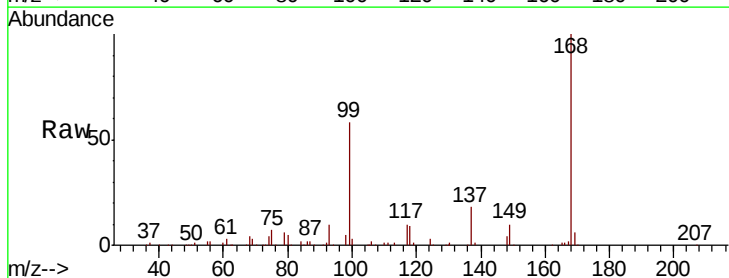
Instrument :
 MSVOA_D
 ClientSampled :
 S-1A

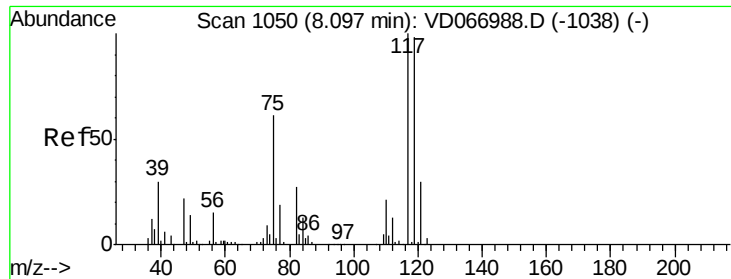
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.0	124.4
192	19.7	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067200.D
 Acq: 08 Oct 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.4	55.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.326 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

S-1A

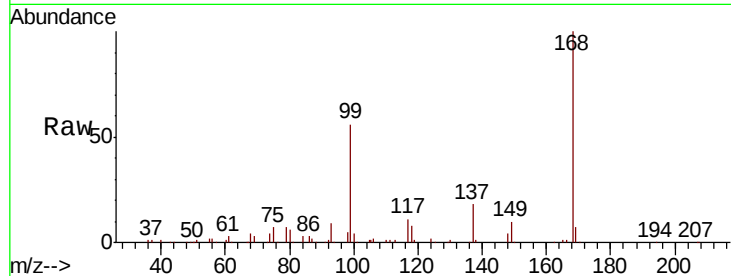
Tot Ion:117 Resp: 38316

Ion Ratio Lower Upper

117 100

119 6.3 78.7 118.1#

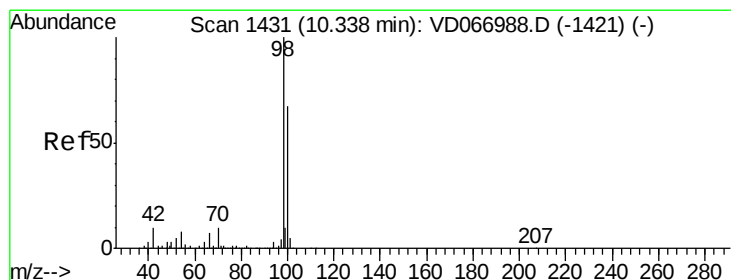
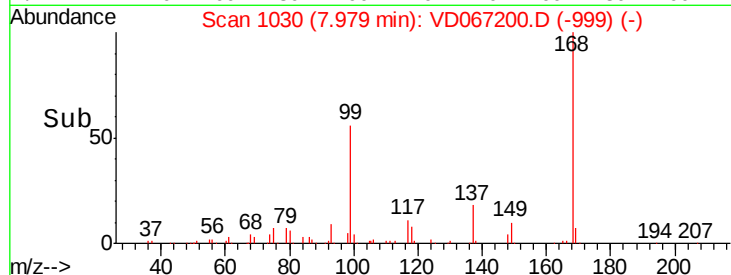
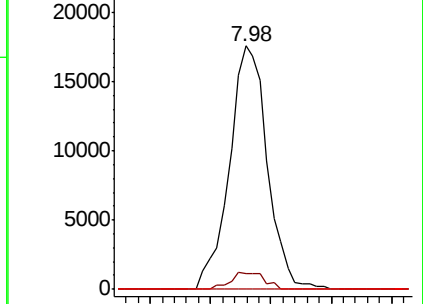
121 0.0 24.2 36.2#



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: 48.713 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067200.D

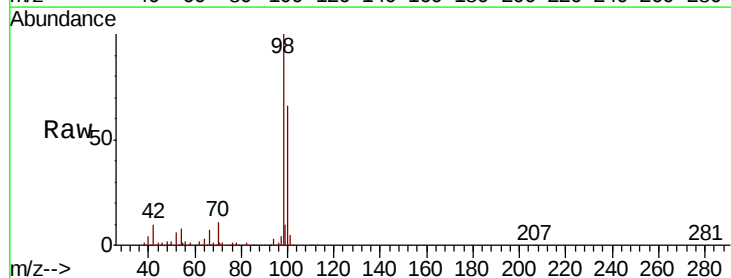
Acq: 08 Oct 2020 17:48

Tgt Ion: 98 Resp: 697959

Ion Ratio Lower Upper

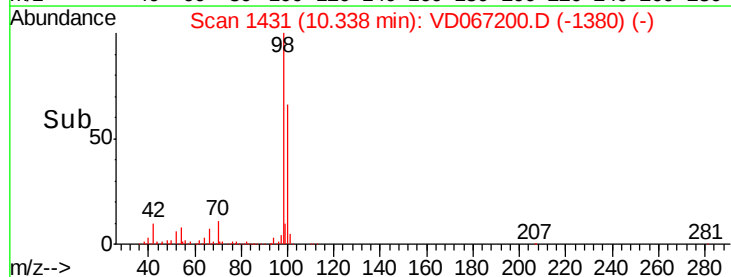
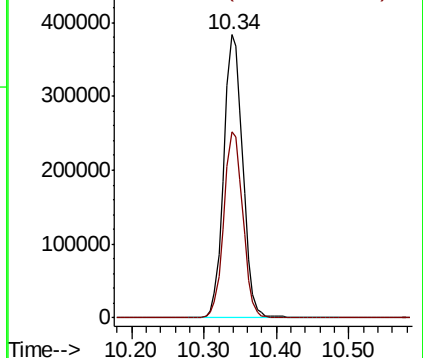
98 100

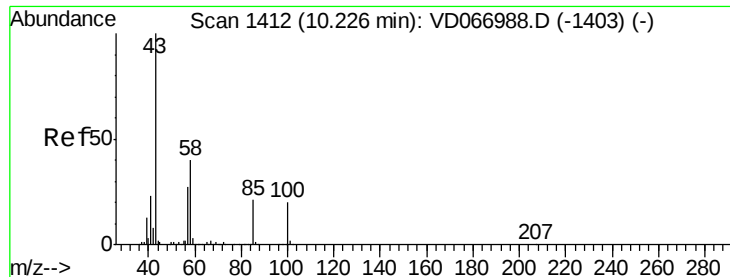
100 65.8 52.8 79.2



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: 1.580 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

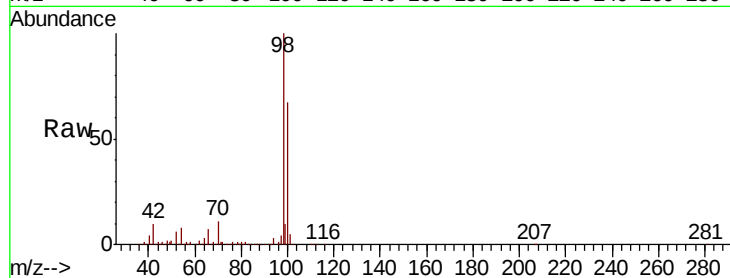
S-1A

Tot Ion: 43 Resp: 2812

Ion Ratio Lower Upper

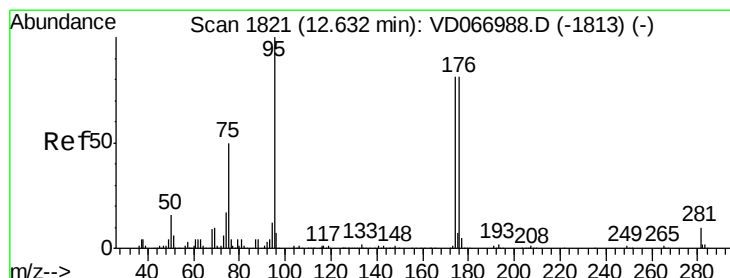
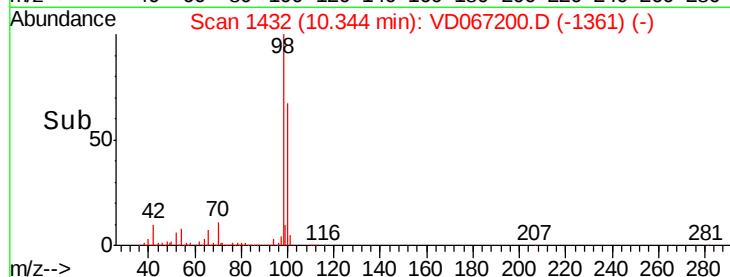
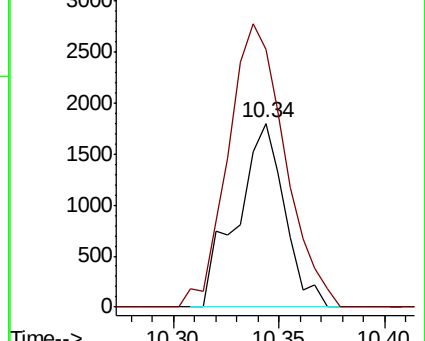
43 100

58 184.0 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: 42.478 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

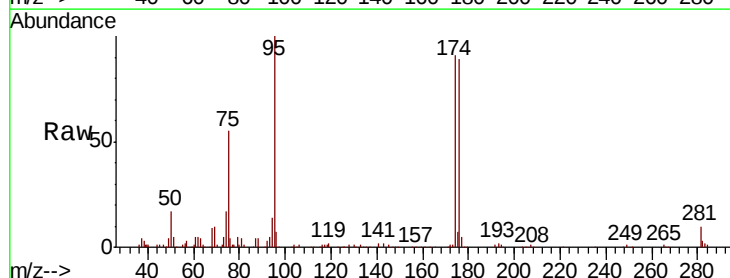
Tgt Ion: 95 Resp: 206614

Ion Ratio Lower Upper

95 100

174 87.7 0.0 167.6

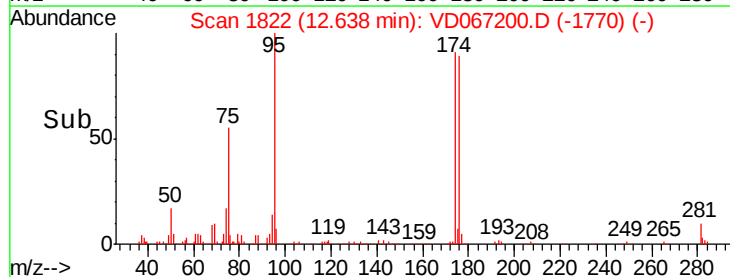
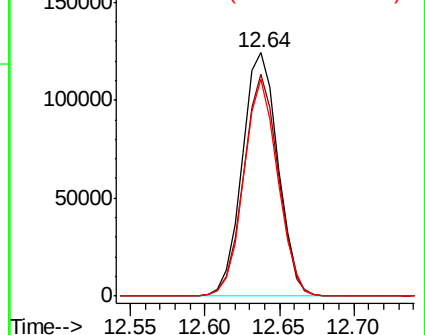
176 84.4 0.0 162.4

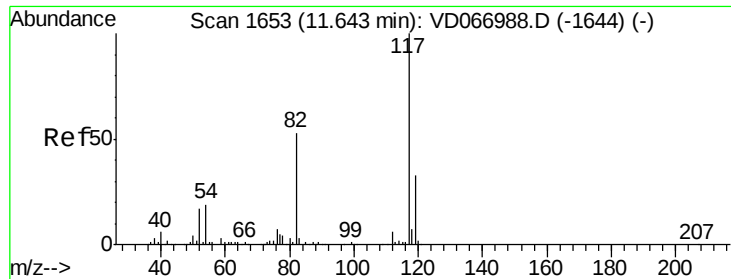


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

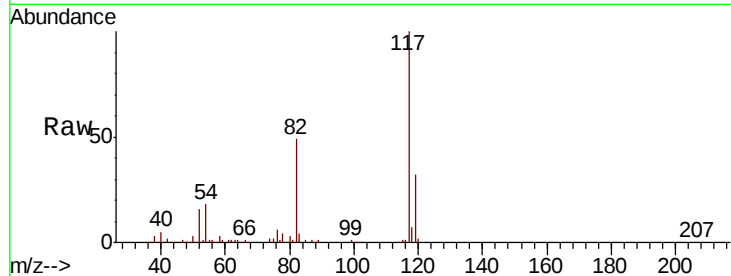




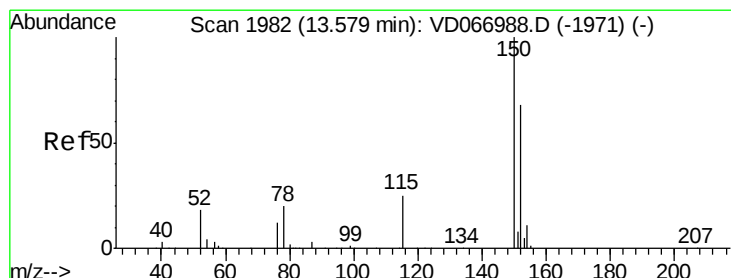
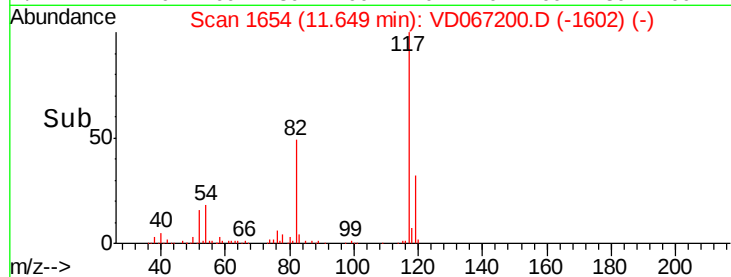
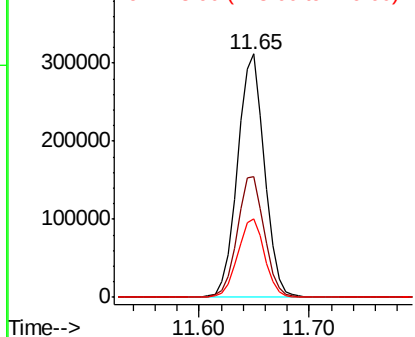
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067200.D
Acq: 08 Oct 2020 17:48

Instrument :
MSVOA_D
ClientSampleId :
S-1A

Tot Ion:117 Resp: 534832
Ion Ratio Lower Upper
117 100
82 49.4 42.6 63.8
119 32.4 26.3 39.5

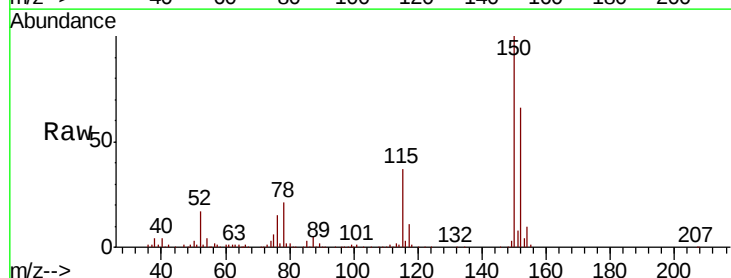


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

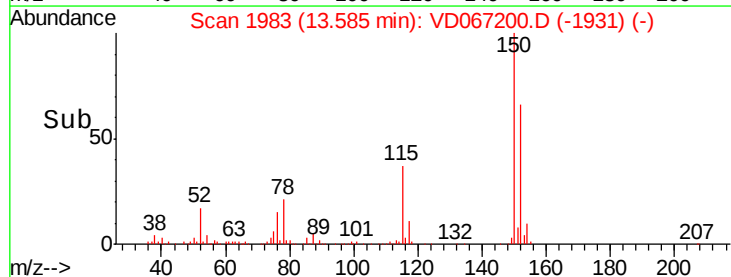
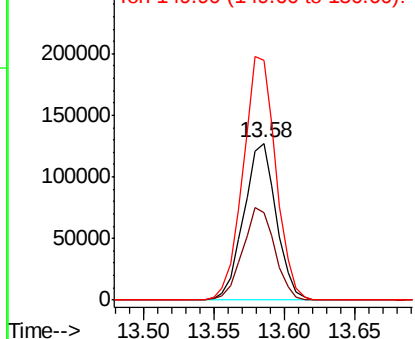


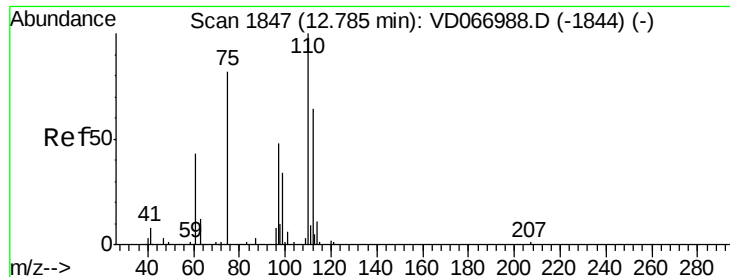
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067200.D
Acq: 08 Oct 2020 17:48

Tgt Ion:152 Resp: 205102
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 156.4 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: 59.012 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

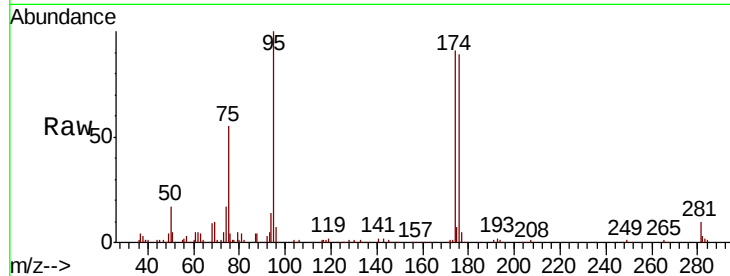
S-1A

Tot Ion: 75 Resp: 105426

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

80000

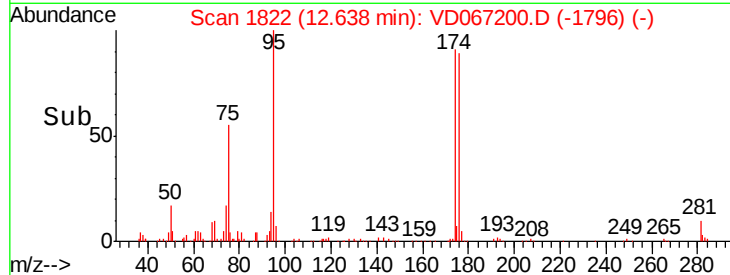
60000

40000

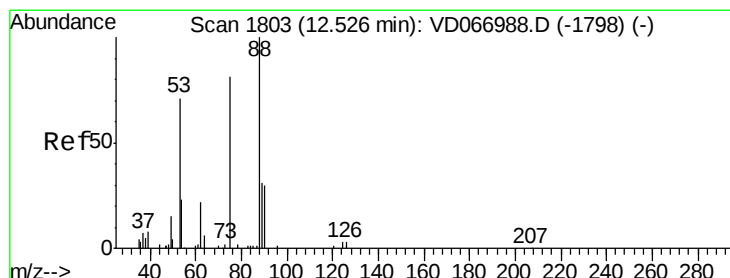
20000

0

12.55 12.60 12.65 12.70



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 147.125 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

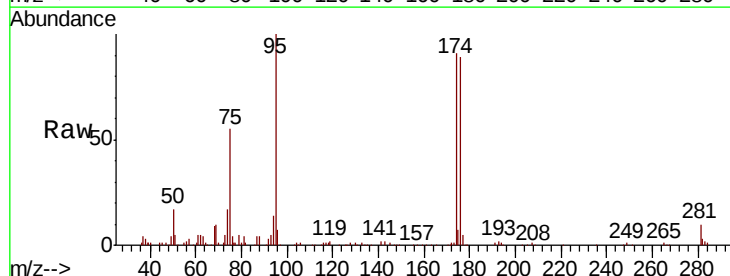
Tgt Ion: 75 Resp: 105426

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

80000

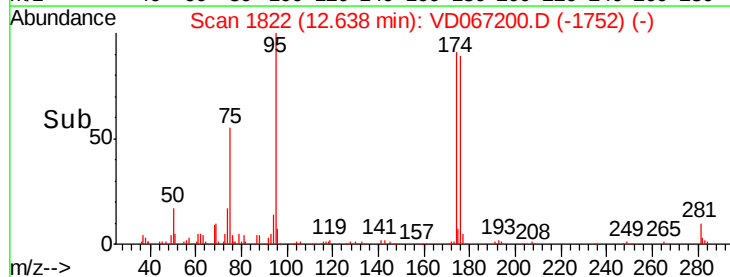
60000

40000

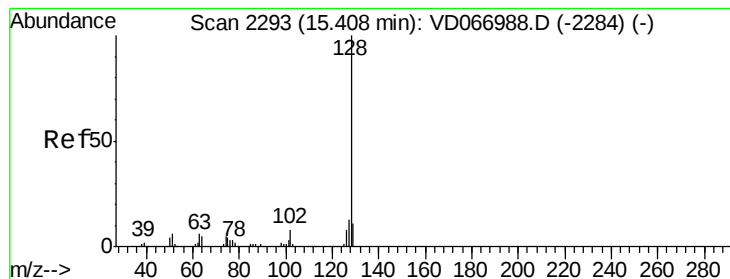
20000

0

12.55 12.60 12.65 12.70



Time-->



#95

Naphthalene

Concen: 1.918 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067200.D

Acq: 08 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

S-1A

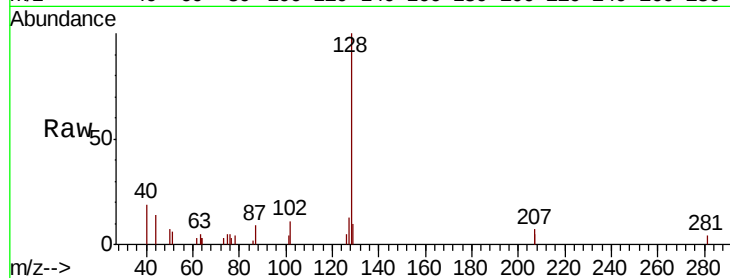
Tot Ion:128 Resp: 11836

Ion Ratio Lower Upper

128 100

127 16.2 10.3 15.5#

129 13.2 8.6 13.0#



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

