

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067129.D
 Acq On : 07 Oct 2020 02:19
 Operator : VA/SY
 Sample : L4273-02
 Misc : 5.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1A

Quant Time: Oct 07 02:56:03 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	404294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	624584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291497	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	198256	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	7.91	113	215790	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.34	98	788401	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.63	95	262632	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

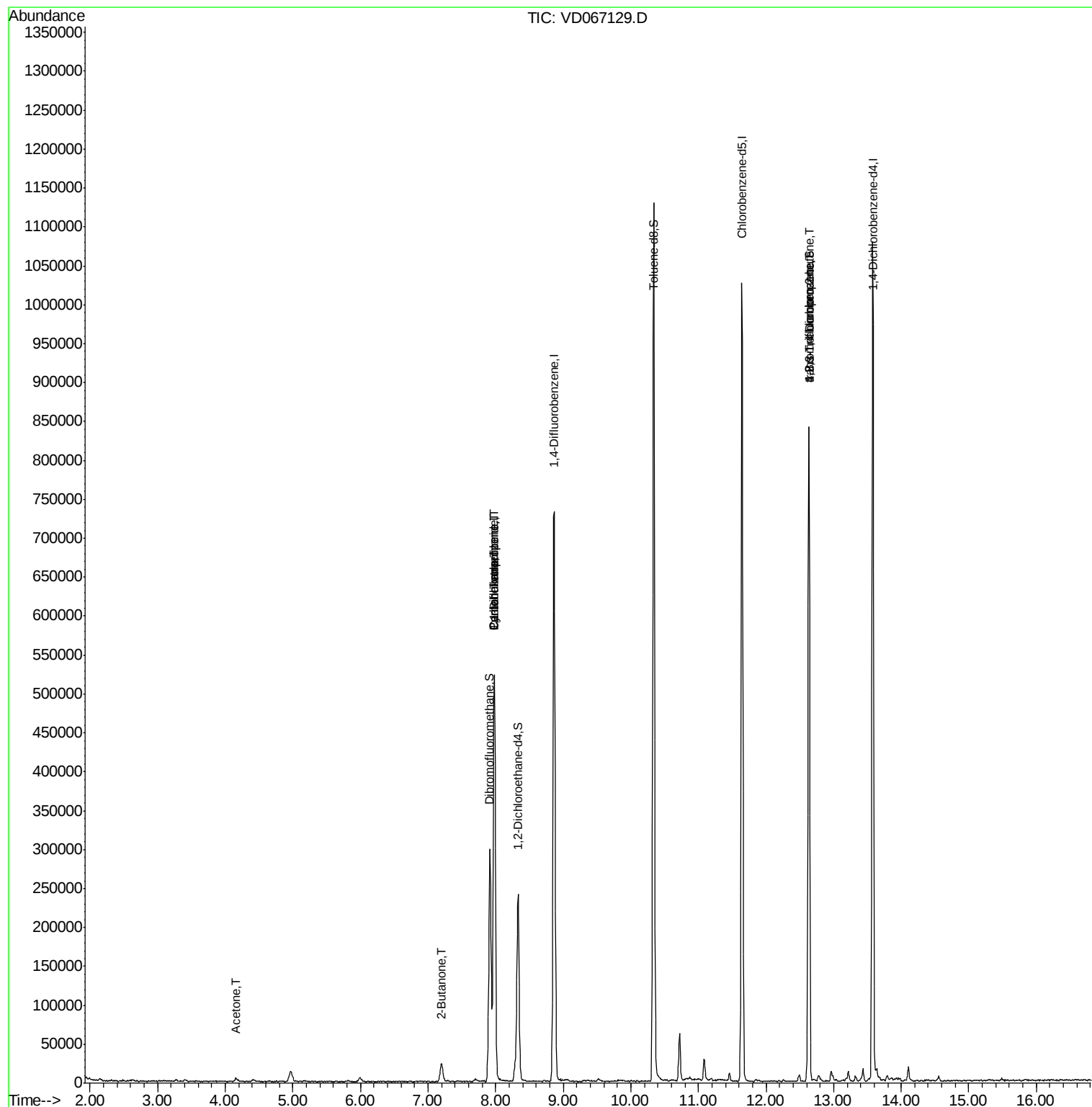
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	984	Below Cal		84
5) Bromomethane	2.79	94	133	Below Cal		93
11) Tert butyl alcohol	5.19	59	1078	Below Cal	#	72
16) Acetone	4.16	43	7070	11.893	ug/l	91
20) Methylene Chloride	4.96	84	10605	Below Cal	#	84
25) 2-Butanone	7.21	43	1367	1.622	ug/l	# 46
26) 2,2-Dichloropropane	7.18	77	877	Below Cal	#	53
31) Cyclohexane	7.98	56	7898	1.351	ug/l	# 33
36) 1,1-Dichloropropene	7.98	75	28877	4.605	ug/l	# 51
38) Carbon Tetrachloride	7.98	117	41567	6.126	ug/l	# 14
76) 1,2,3-Trichloropropane	12.63	75	134067	52.802	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	134067	131.643	ug/l	# 12

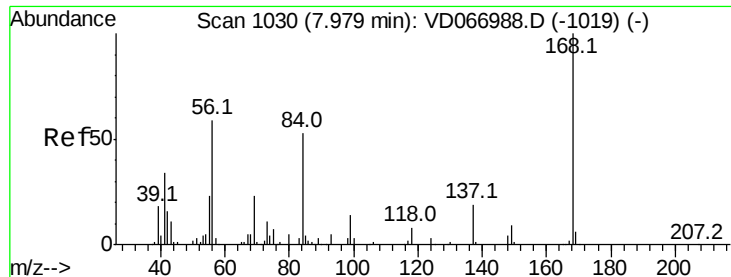
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

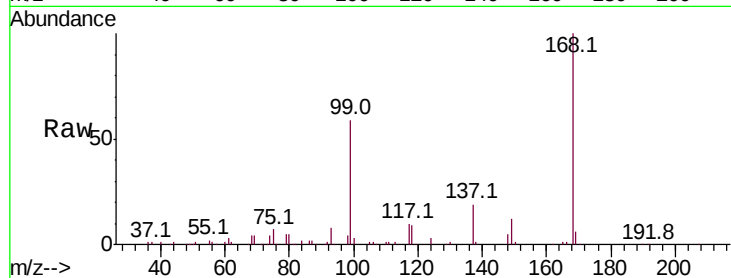
SB-1A

Tot Ion:168 Resp: 404294

Ion Ratio Lower Upper

168 100

99 58.5 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

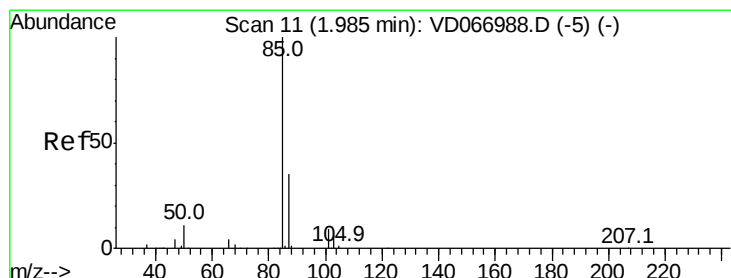
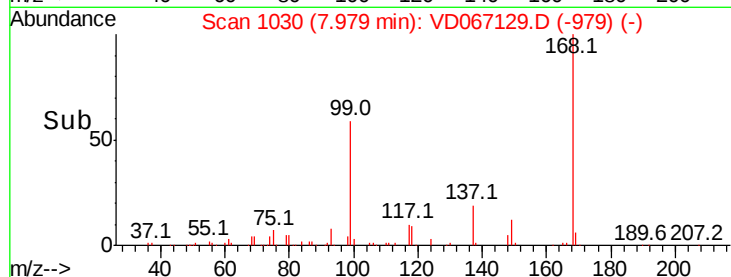
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067129.D

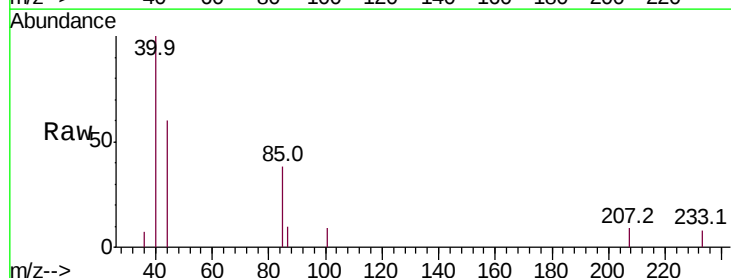
Acq: 07 Oct 2020 02:19

Tgt Ion: 85 Resp: 984

Ion Ratio Lower Upper

85 100

87 25.3 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

1000

800

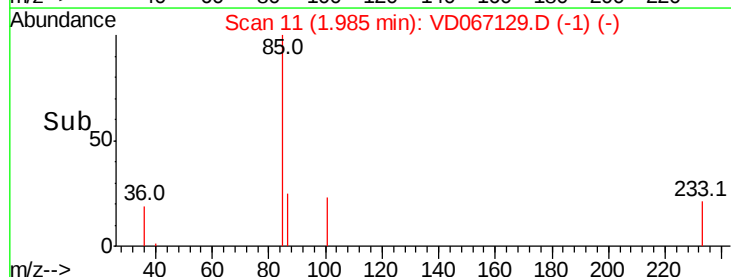
600

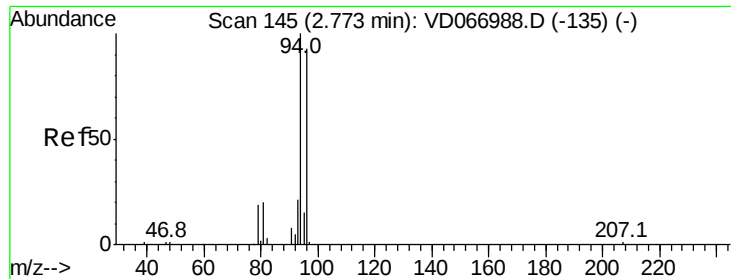
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

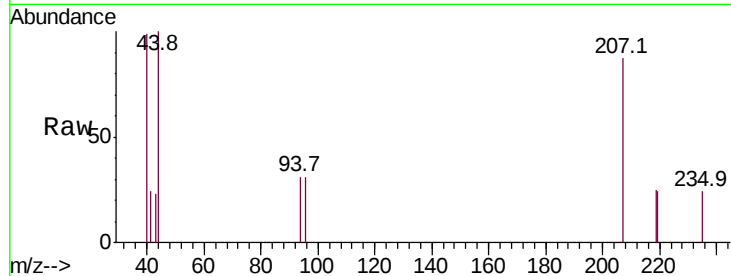
SB-1A

Tot Ion: 94 Resp: 133

Ion Ratio Lower Upper

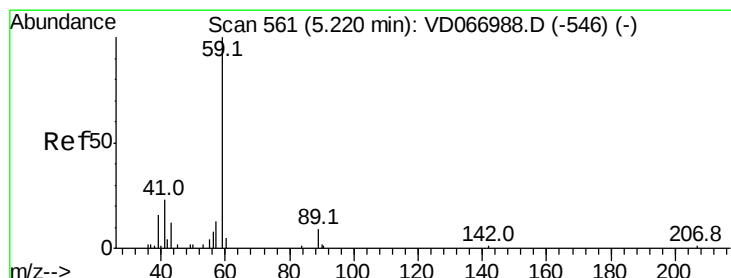
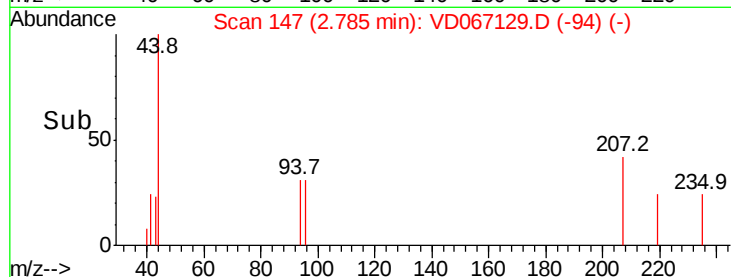
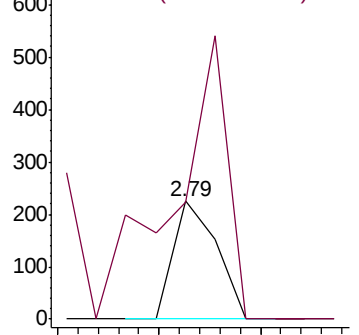
94 100

96 99.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD067129.D

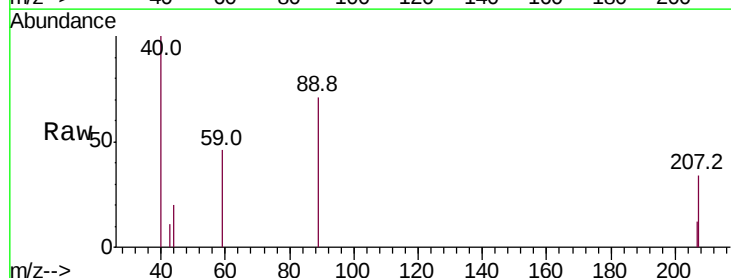
Acq: 07 Oct 2020 02:19

Tgt Ion: 59 Resp: 1078

Ion Ratio Lower Upper

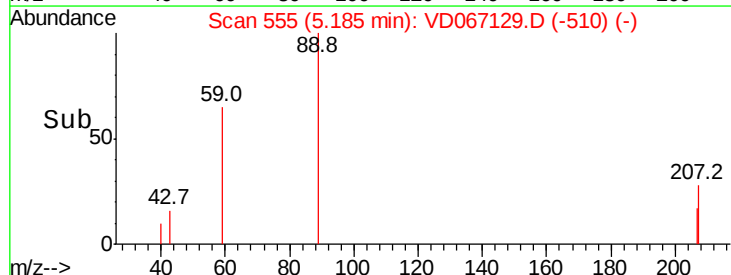
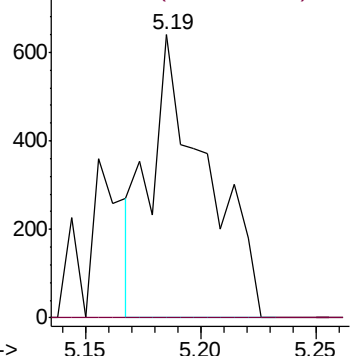
59 100

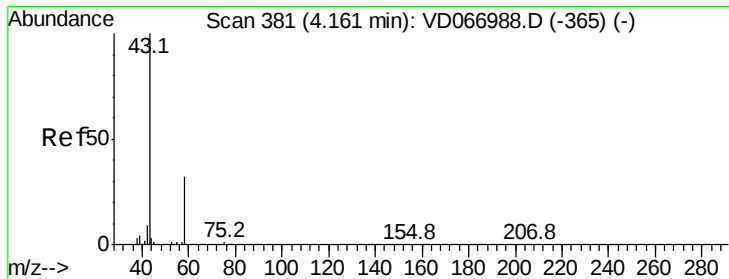
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 11.893 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

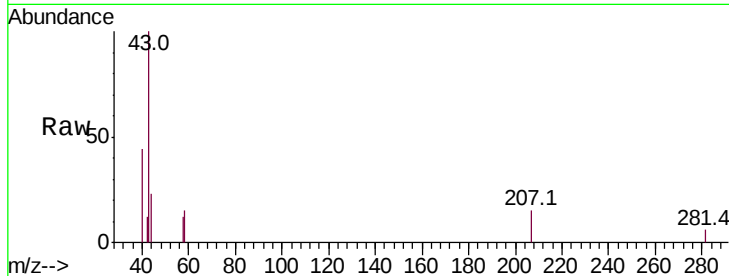
SB-1A

Tot Ion: 43 Resp: 7070

Ion Ratio Lower Upper

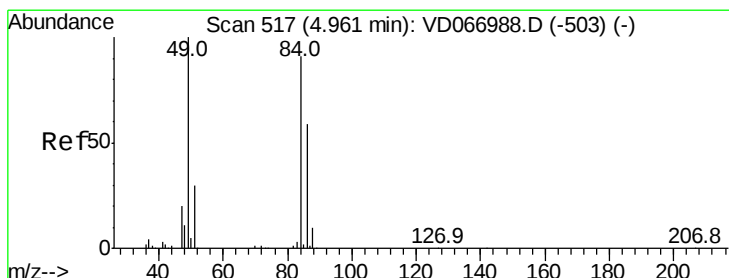
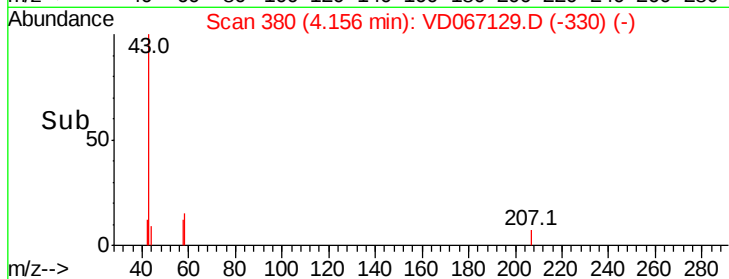
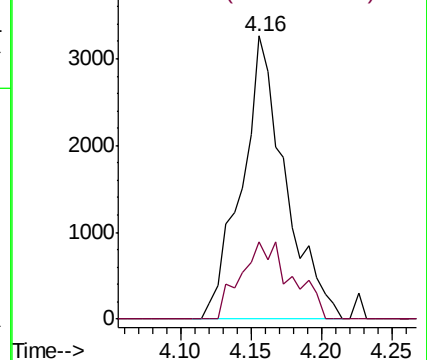
43 100

58 27.4 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: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Tgt Ion: 84 Resp: 10605

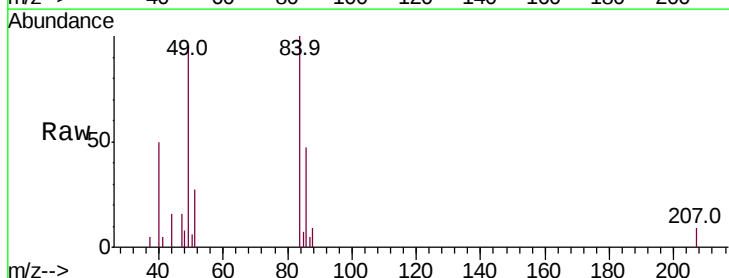
Ion Ratio Lower Upper

84 100

49 96.2 88.2 132.2

51 26.8 26.6 39.8

86 46.8 52.1 78.1#

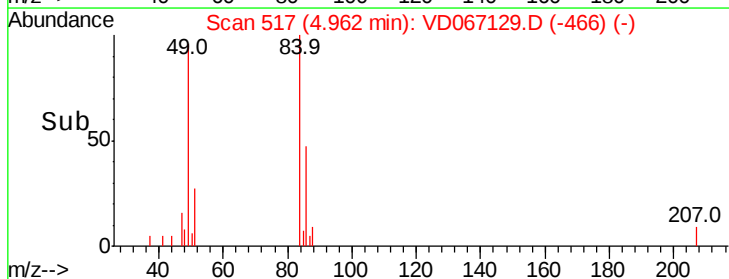
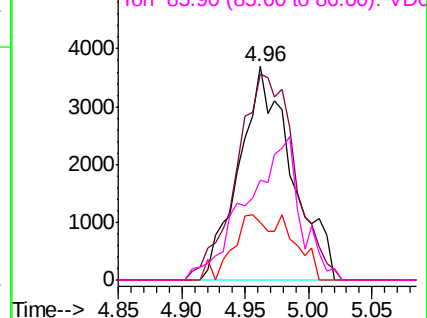


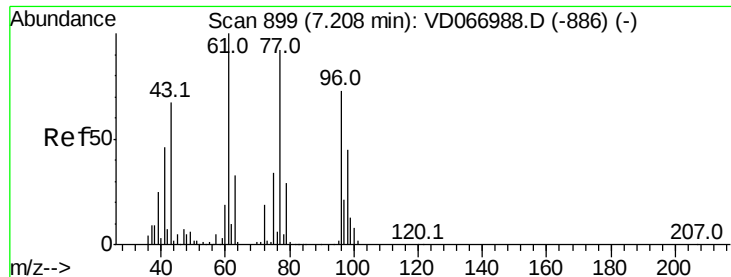
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.622 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

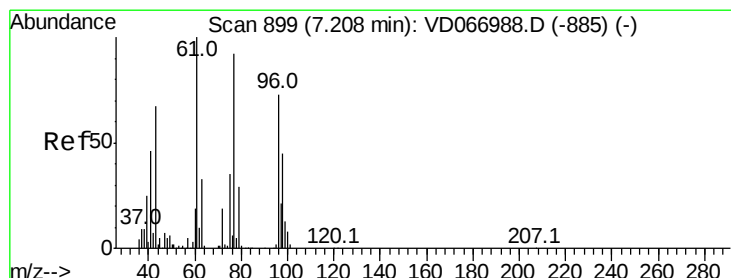
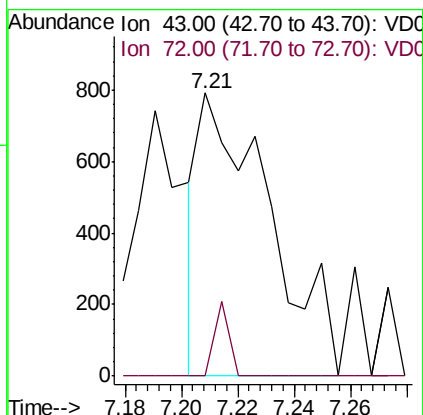
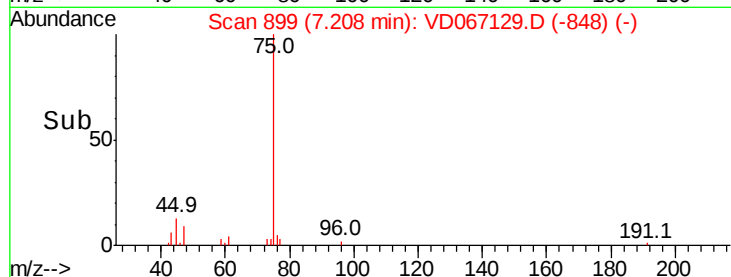
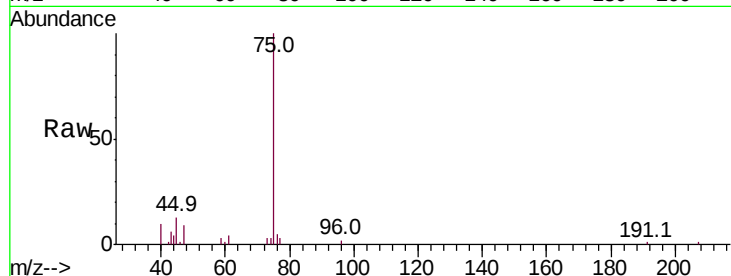
SB-1A

Tot Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.18 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD067129.D

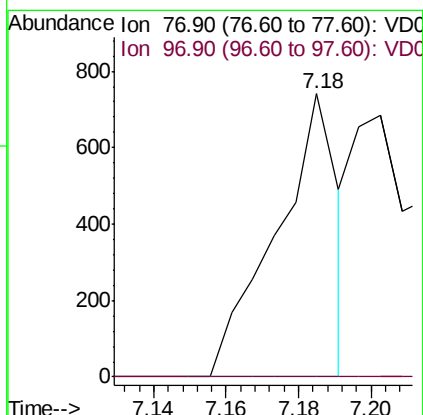
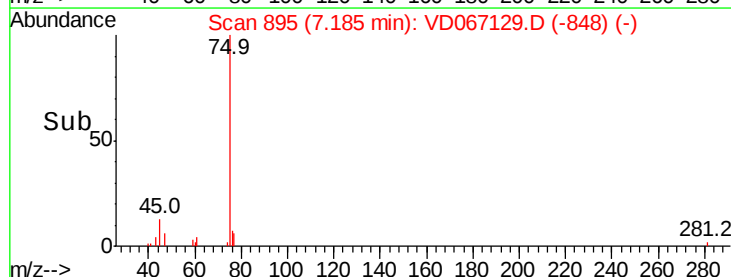
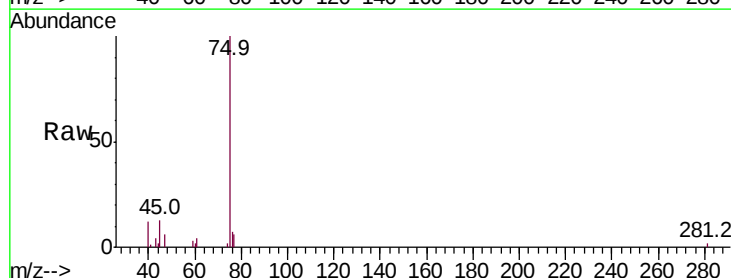
Acq: 07 Oct 2020 02:19

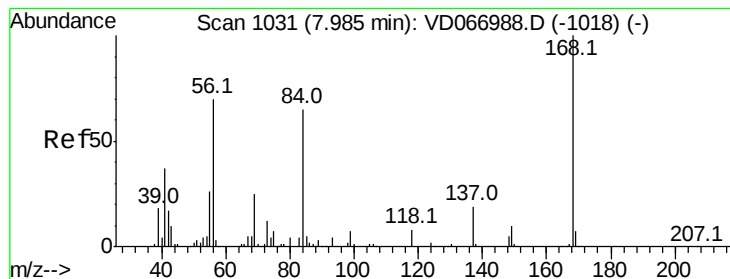
Tgt Ion: 77 Resp: 877

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.351 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

SB-1A

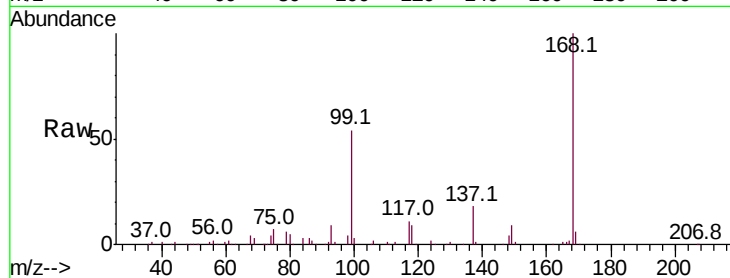
Tot Ion: 56 Resp: 7898

Ion Ratio Lower Upper

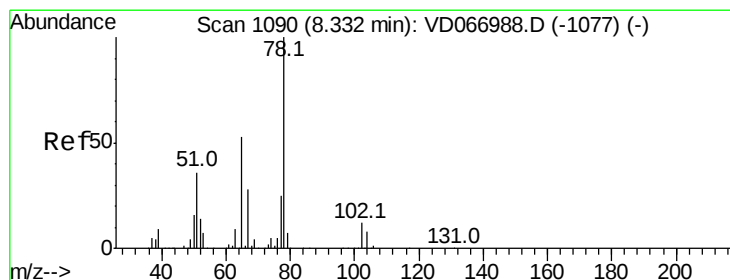
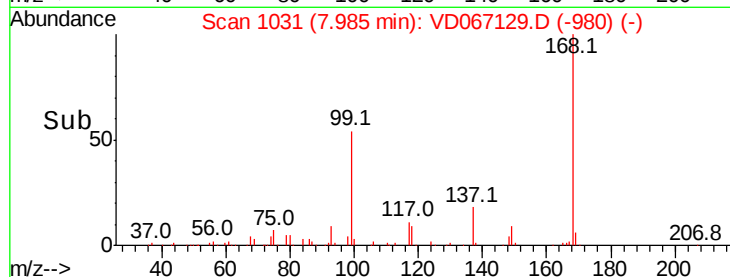
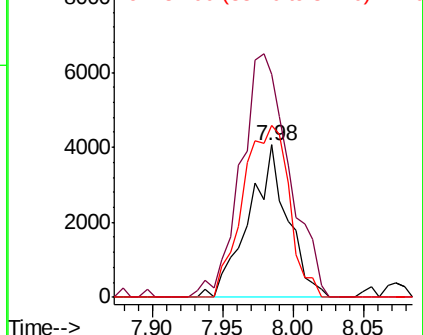
56 100

69 146.0 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: 50.911 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067129.D

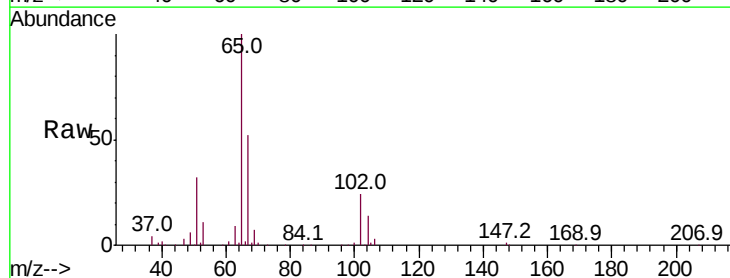
Acq: 07 Oct 2020 02:19

Tgt Ion: 65 Resp: 198256

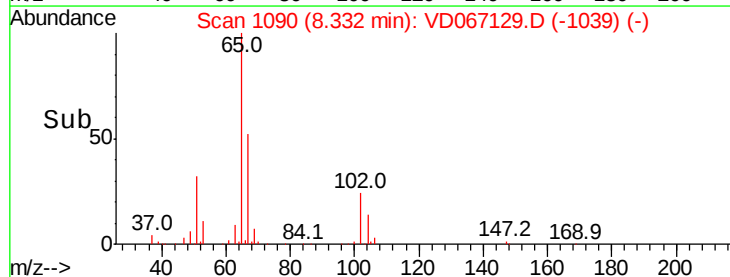
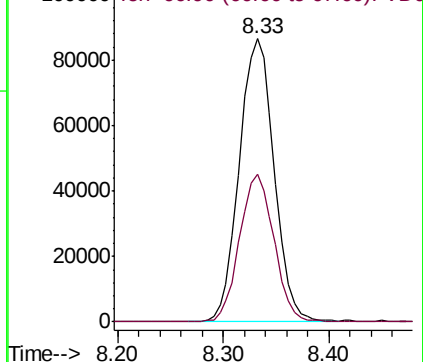
Ion Ratio Lower Upper

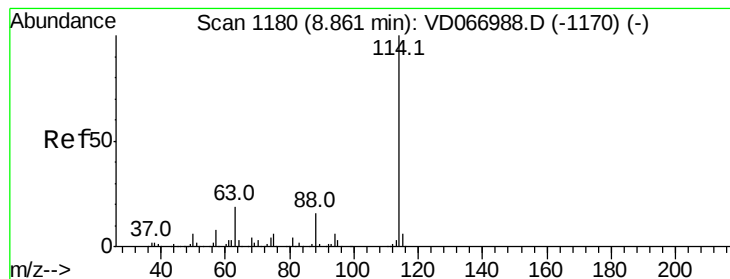
65 100

67 51.6 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

SB-1A

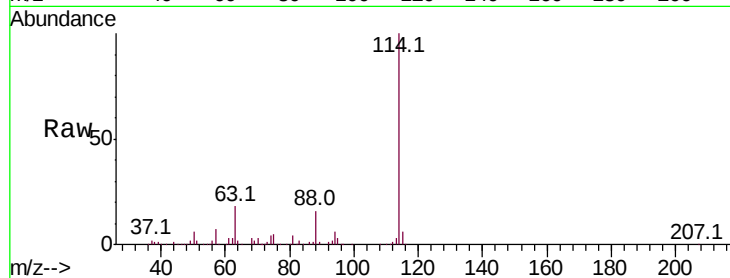
Tot Ion:114 Resp: 672801

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

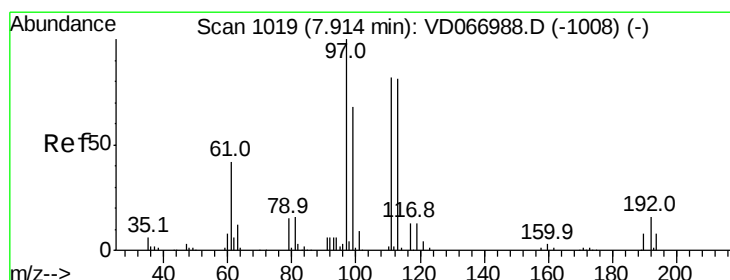
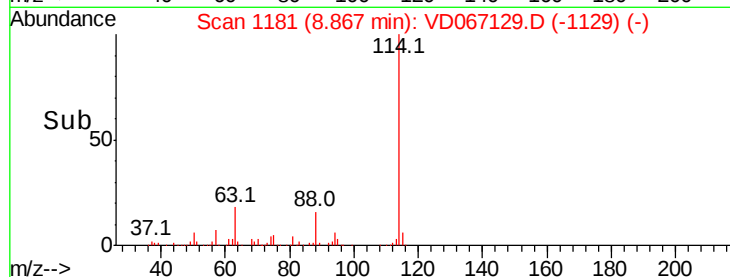
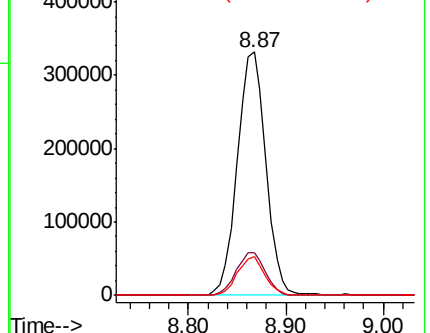
88 15.8 0.0 31.2



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: 48.991 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

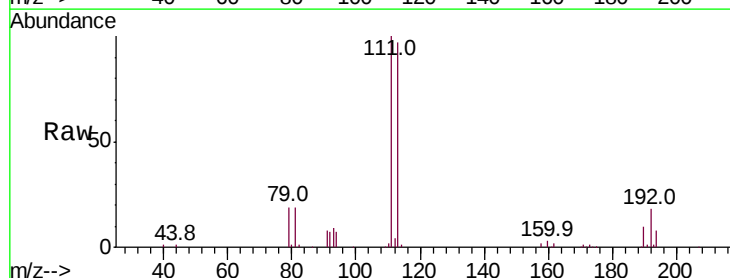
Tgt Ion:113 Resp: 215790

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

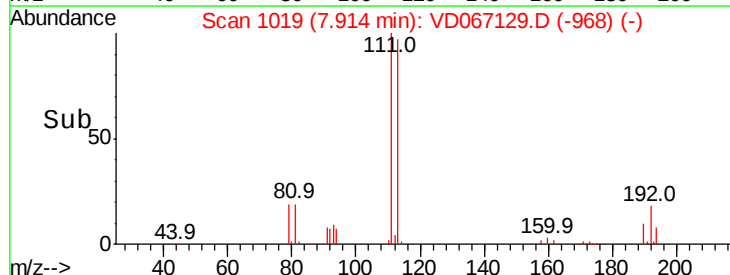
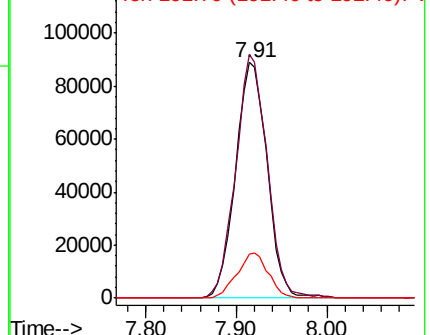
192 19.1 15.5 23.3

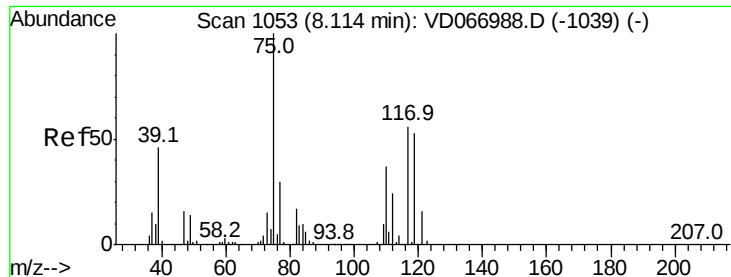


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.605 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampled :

SB-1A

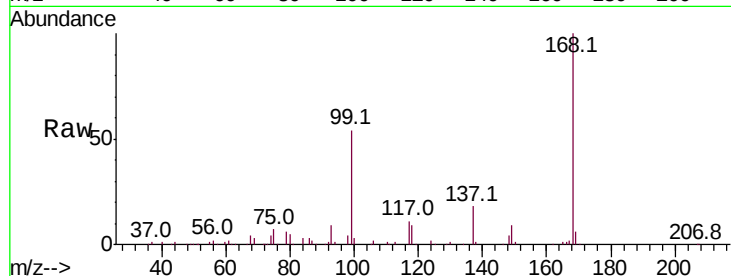
Tot Ion: 75 Resp: 28877

Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.0#

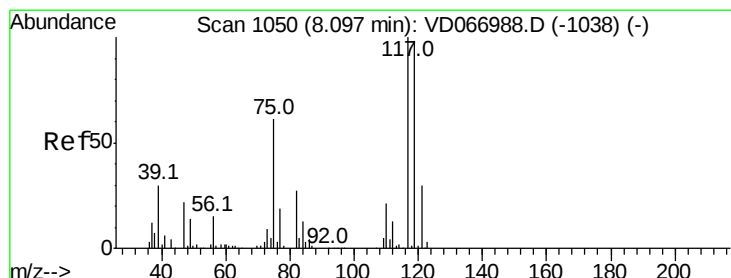
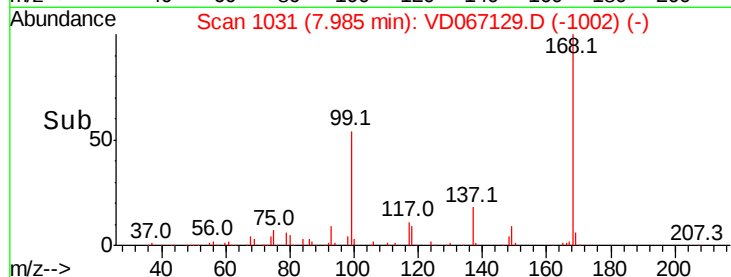
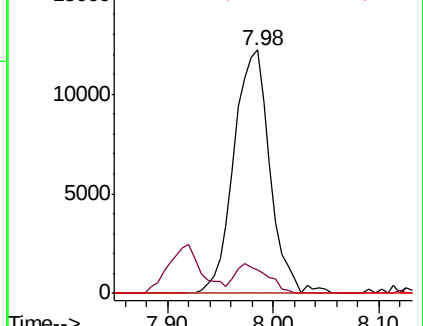
77 0.0 24.8 37.2#



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: 6.126 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

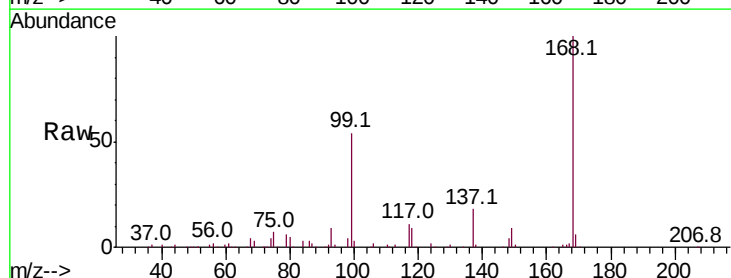
Tgt Ion: 117 Resp: 41567

Ion Ratio Lower Upper

117 100

119 3.8 78.7 118.1#

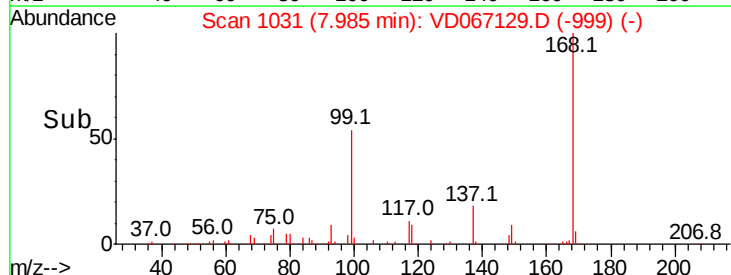
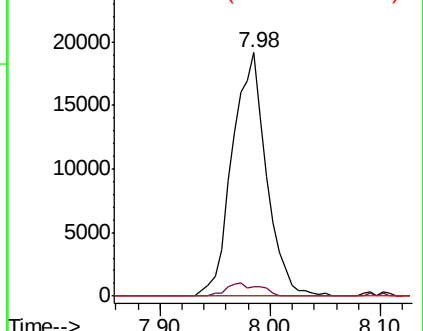
121 0.0 24.2 36.2#

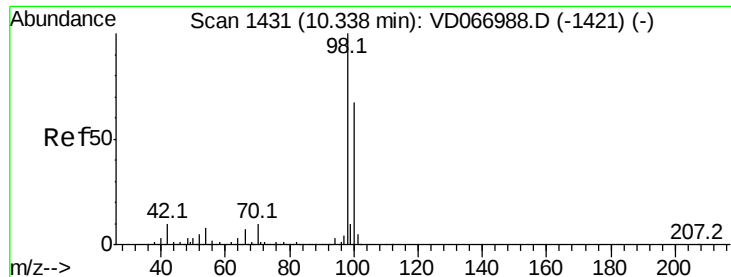


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

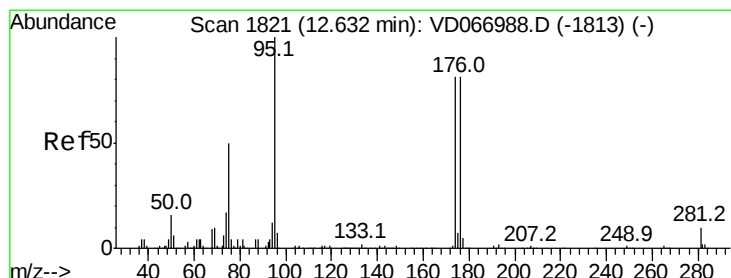
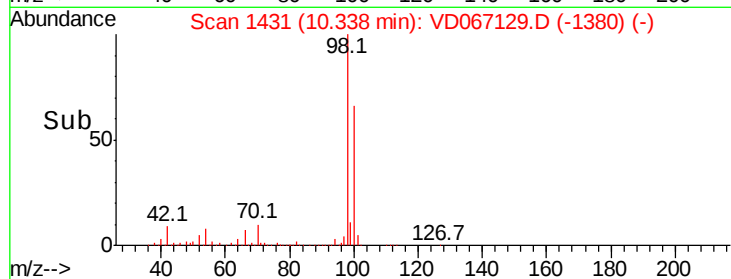
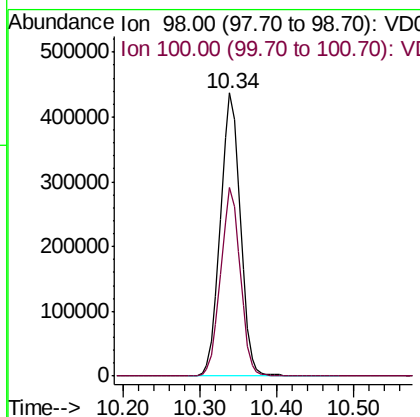
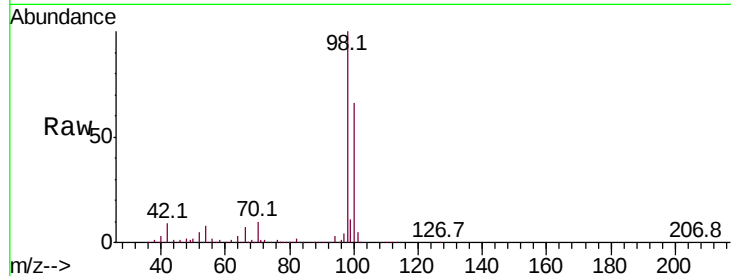




#50
Toluene-d8
Concen: 49.121 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067129.D
Acq: 07 Oct 2020 02:19

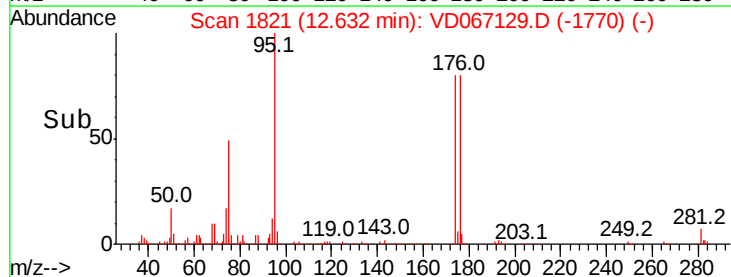
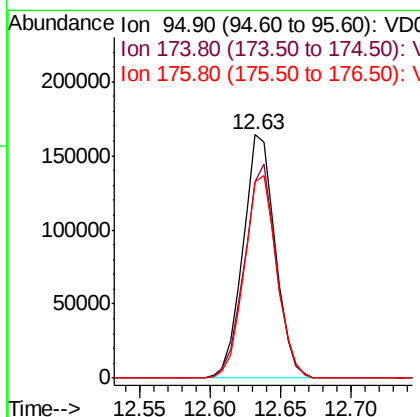
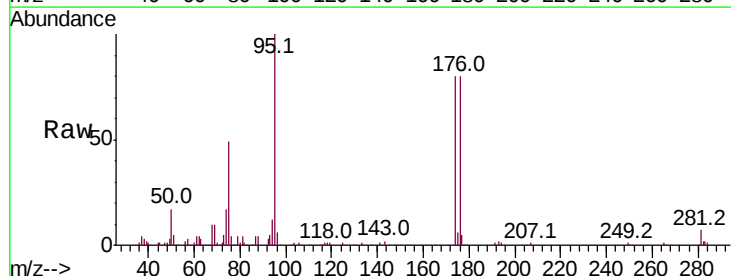
Instrument :
MSVOA_D
ClientSampleId :
SB-1A

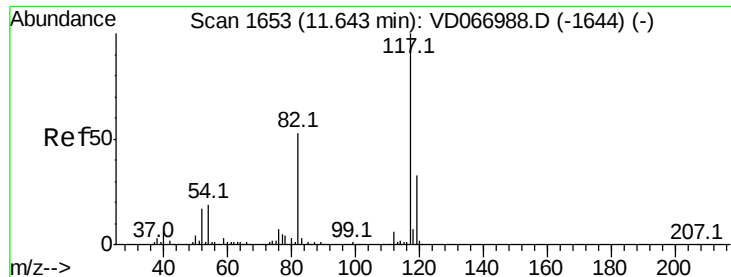
Tot Ion: 98 Resp: 788401
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.201 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067129.D
Acq: 07 Oct 2020 02:19

Tgt Ion: 95 Resp: 262632
Ion Ratio Lower Upper
95 100
174 87.0 0.0 167.6
176 84.5 0.0 162.4

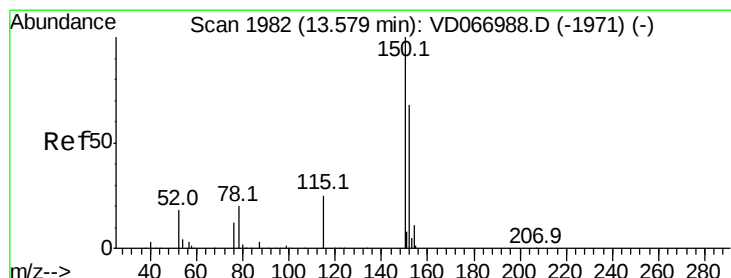
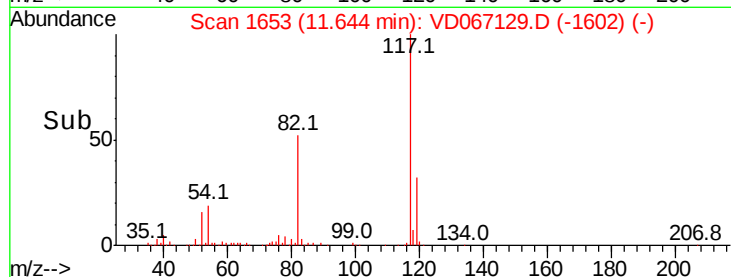
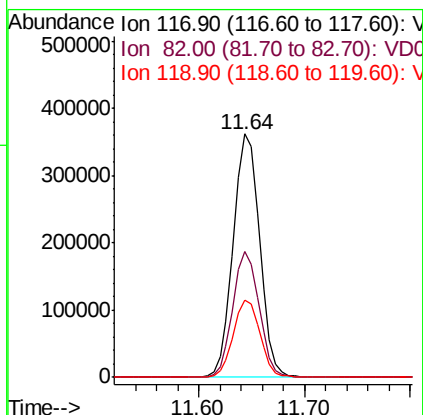
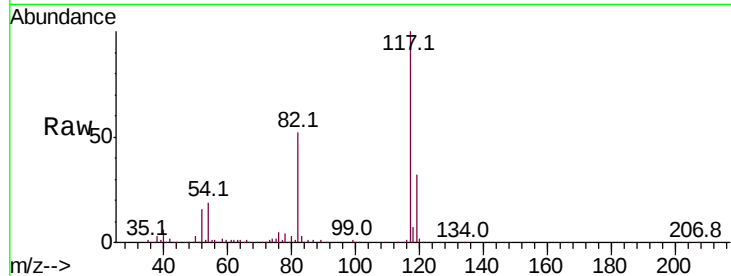




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067129.D
Acq: 07 Oct 2020 02:19

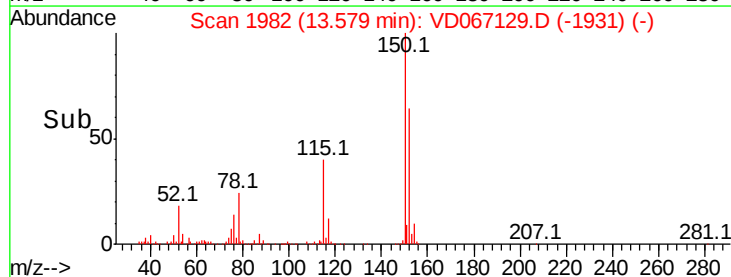
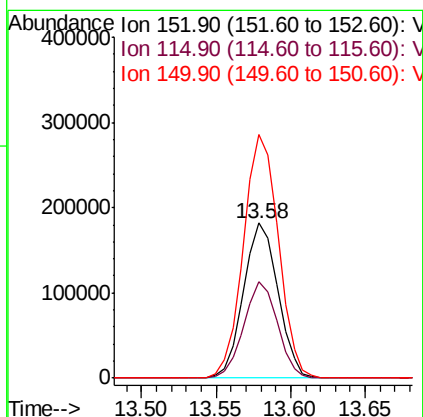
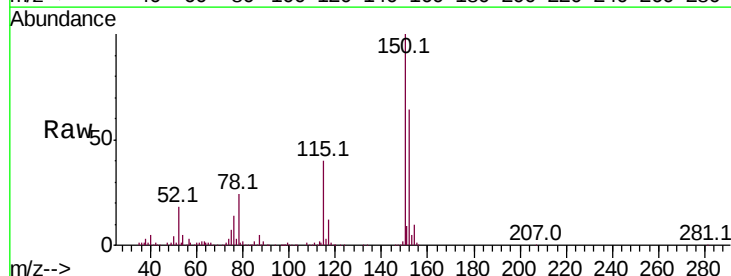
Instrument :
MSVOA_D
ClientSampleId :
SB-1A

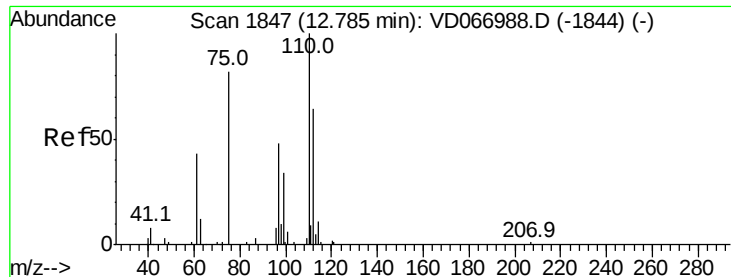
Tot Ion:117 Resp: 624584
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067129.D
Acq: 07 Oct 2020 02:19

Tgt Ion:152 Resp: 291497
Ion Ratio Lower Upper
152 100
115 60.9 29.6 88.8
150 158.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.802 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

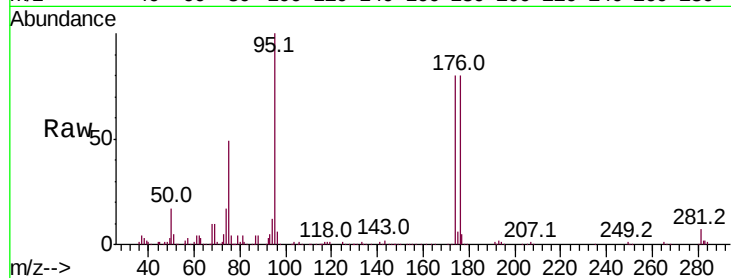
SB-1A

Tot Ion: 75 Resp: 134067

Ion Ratio Lower Upper

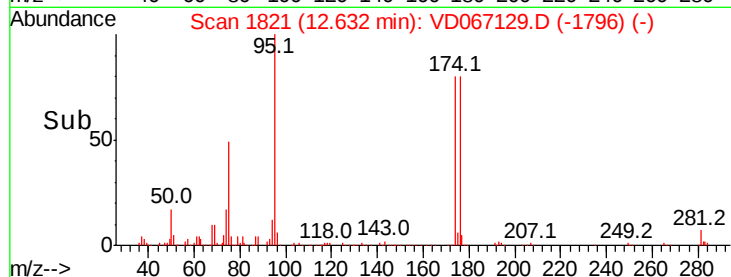
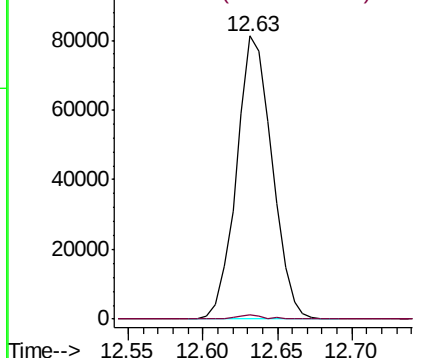
75 100

77 1.2 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: 131.643 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067129.D

Acq: 07 Oct 2020 02:19

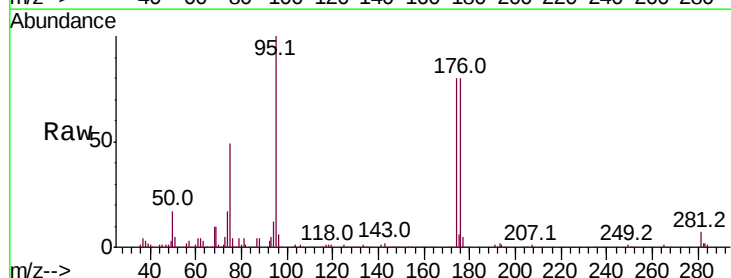
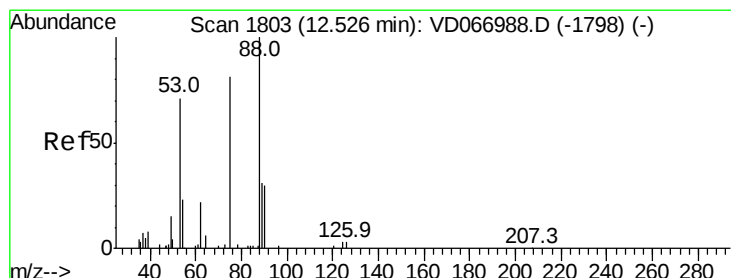
Tgt Ion: 75 Resp: 134067

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.3 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

