

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067432.D
 Acq On : 28 Oct 2020 14:26
 Operator : VA/SY
 Sample : L4224-11
 Misc : 6.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102720

Quant Time: Oct 29 00:45:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

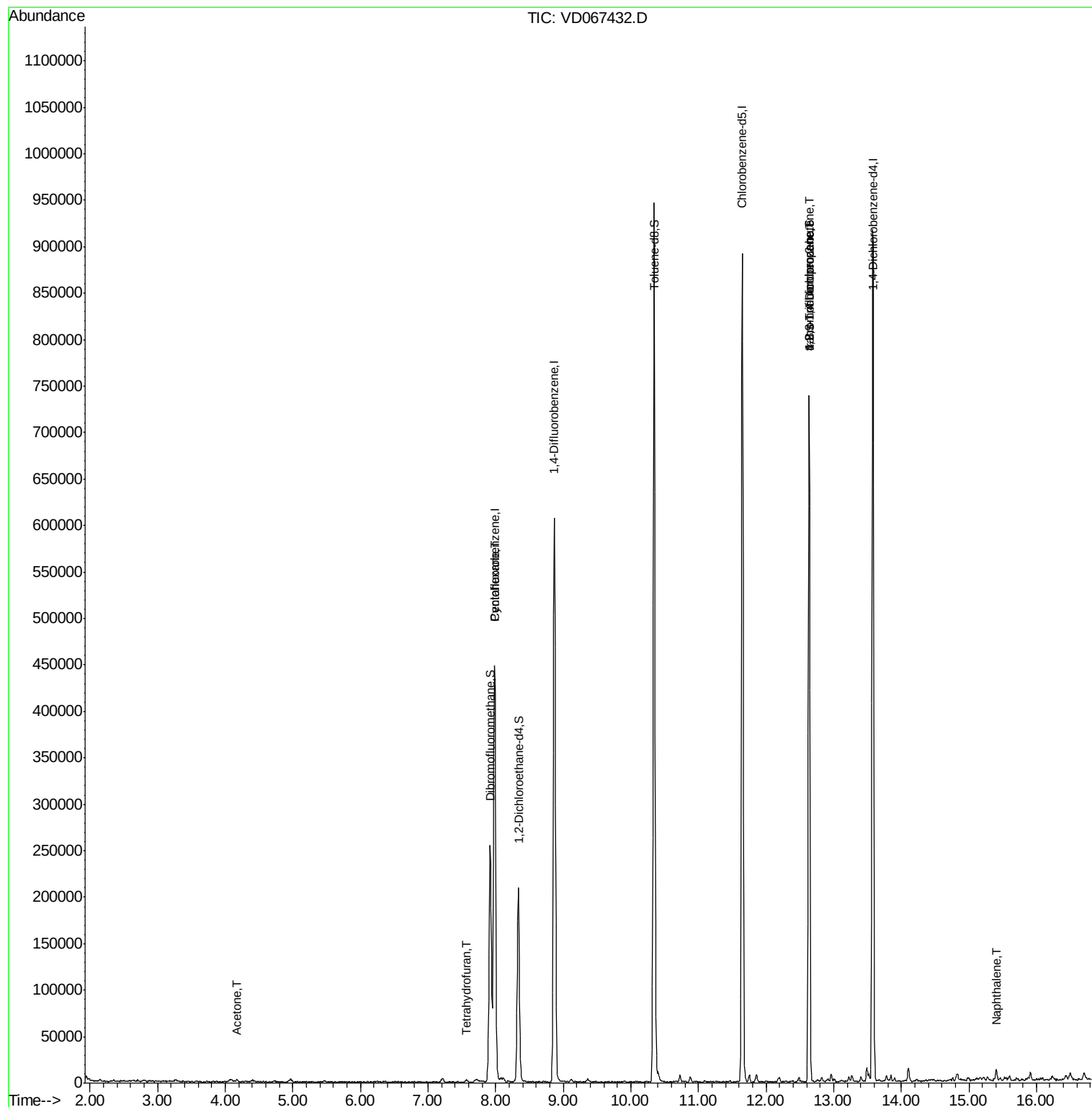
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	345358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	553951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	177079	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
35) Dibromofluoromethane	7.93	113	179627	48.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.44%	
50) Toluene-d8	10.34	98	648598	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.64	95	229337	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1047	Below Cal	#	72
5) Bromomethane	2.77	94	956	Below Cal		81
16) Acetone	4.17	43	3839	7.923	ug/l #	83
20) Methylene Chloride	4.96	84	1726	Below Cal	#	46
29) Tetrahydrofuran	7.57	42	1124	3.661	ug/l	96
31) Cyclohexane	7.99	56	8089	2.030	ug/l #	51
76) 1,2,3-Trichloropropane	12.64	75	119522	66.983	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	119522	151.899	ug/l #	10
95) Naphthalene	15.41	128	10011	1.320	ug/l	97

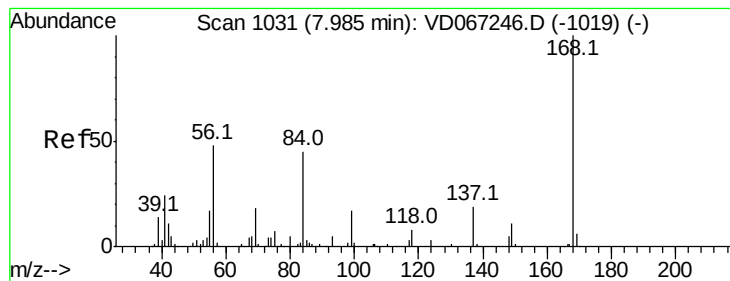
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067432.D

Acq: 28 Oct 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

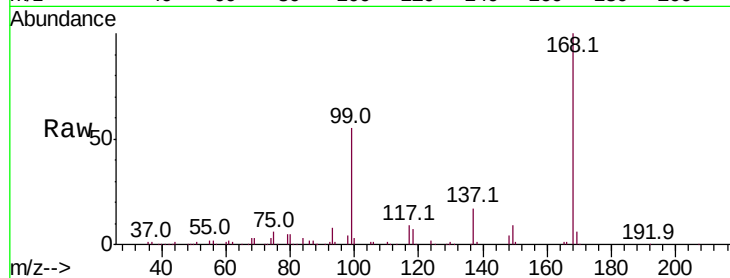
OR-02-102720

Tot Ion:168 Resp: 345358

Ion Ratio Lower Upper

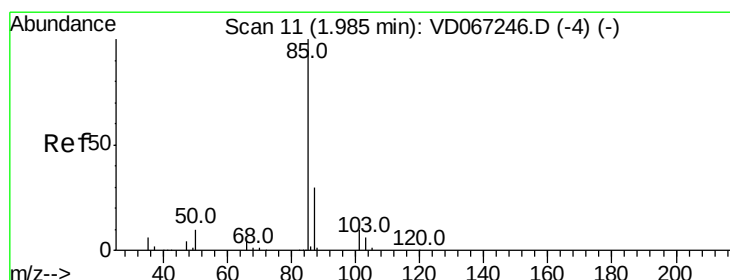
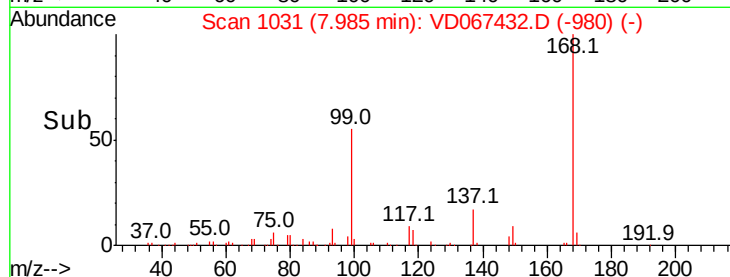
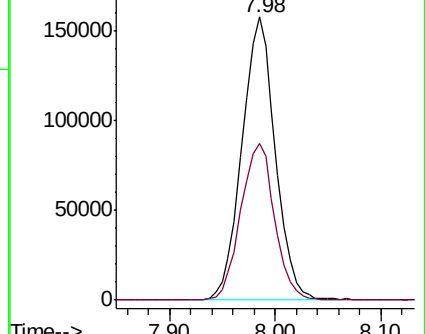
168 100

99 54.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067432.D

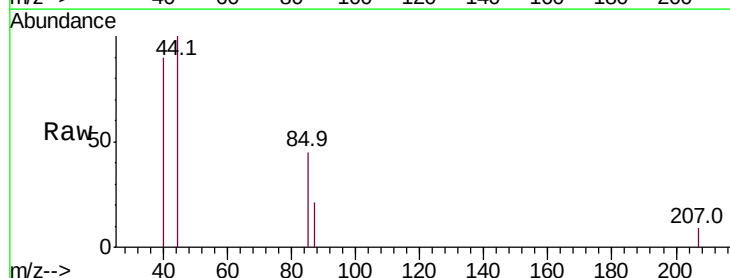
Acq: 28 Oct 2020 14:26

Tgt Ion: 85 Resp: 1047

Ion Ratio Lower Upper

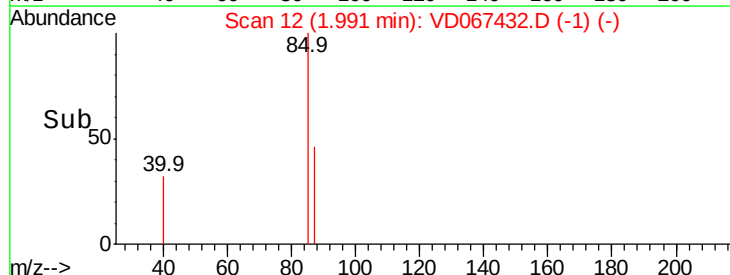
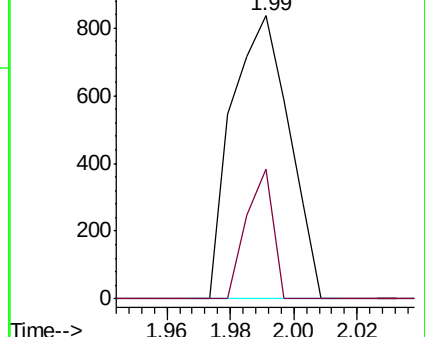
85 100

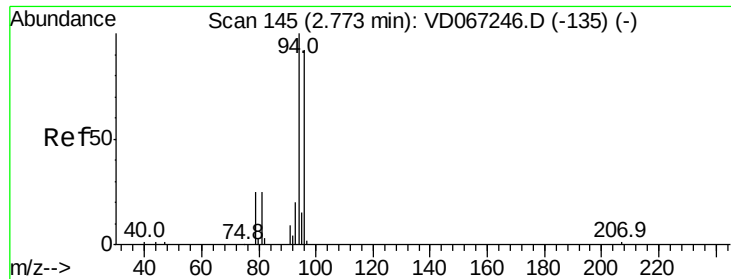
87 45.9 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067432.D

Acq: 28 Oct 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

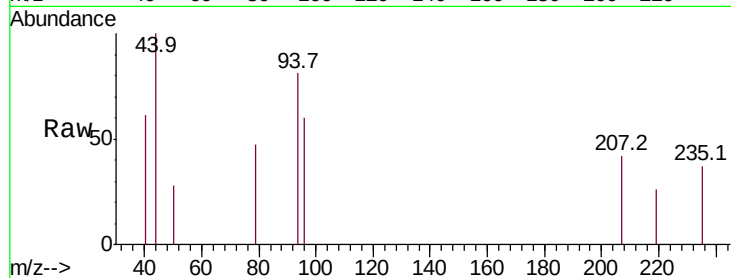
OR-02-102720

Tot Ion: 94 Resp: 956

Ion Ratio Lower Upper

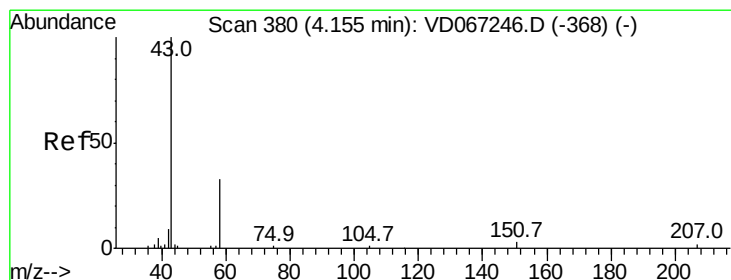
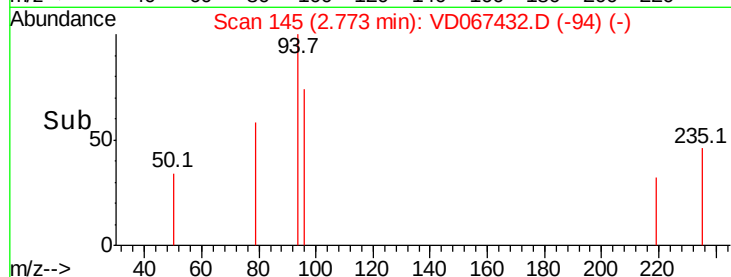
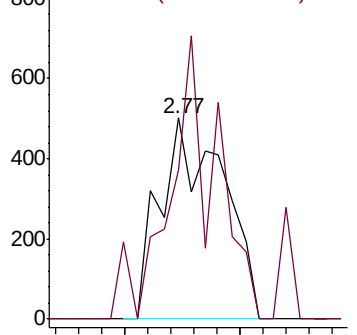
94 100

96 74.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 7.923 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067432.D

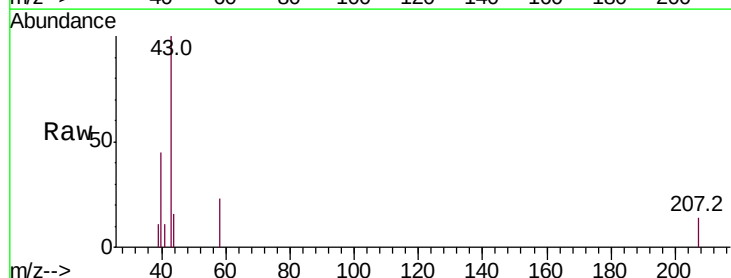
Acq: 28 Oct 2020 14:26

Tgt Ion: 43 Resp: 3839

Ion Ratio Lower Upper

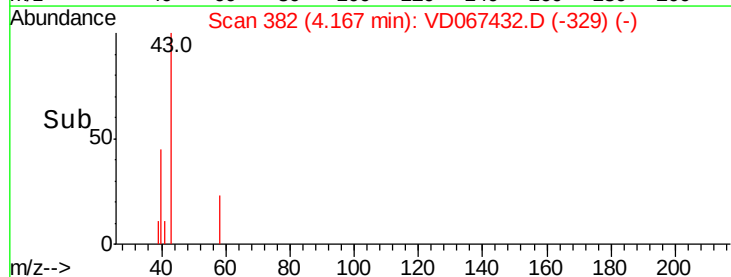
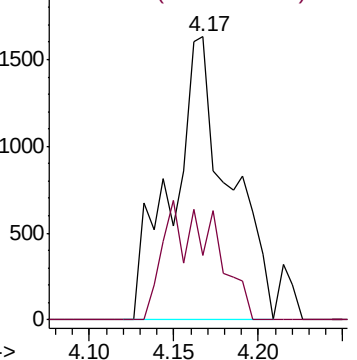
43 100

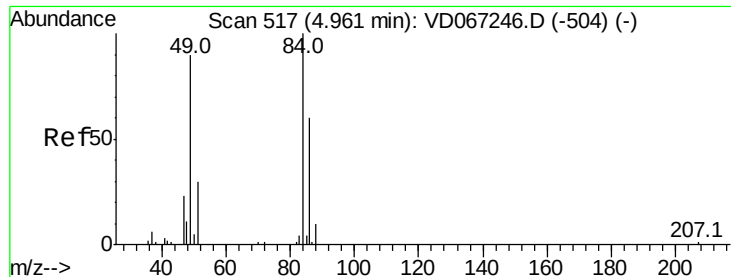
58 22.9 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

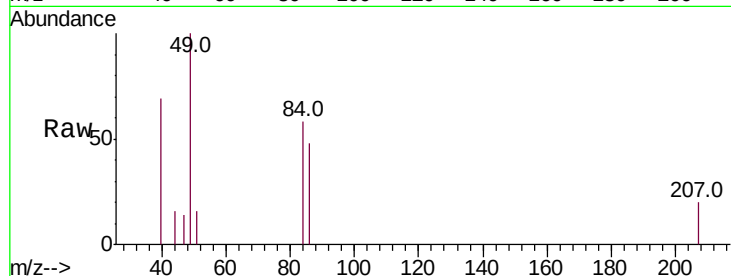




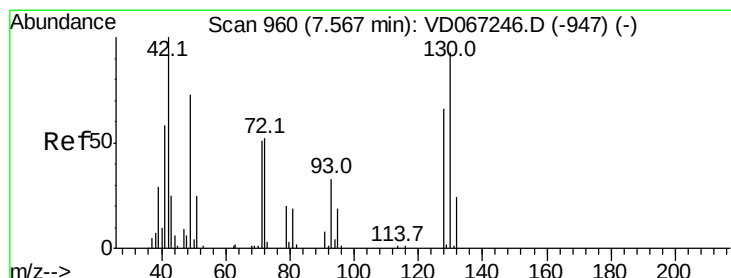
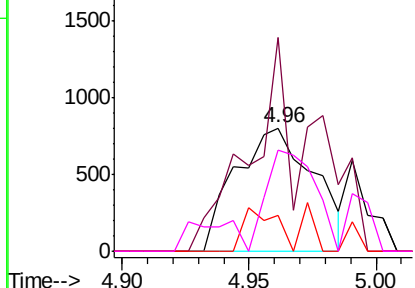
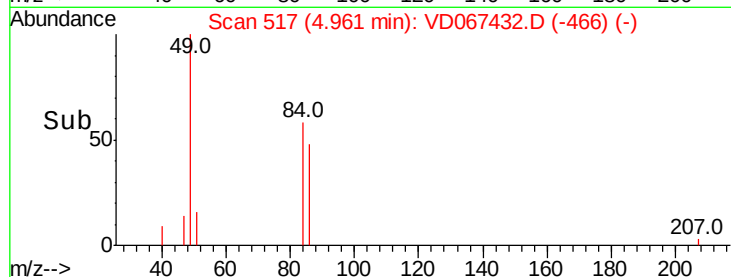
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102720

Tot Ion: 84 Resp: 1726
Ion Ratio Lower Upper
84 100
49 173.2 72.2 108.2#
51 28.6 23.8 35.8
86 82.4 48.2 72.4#

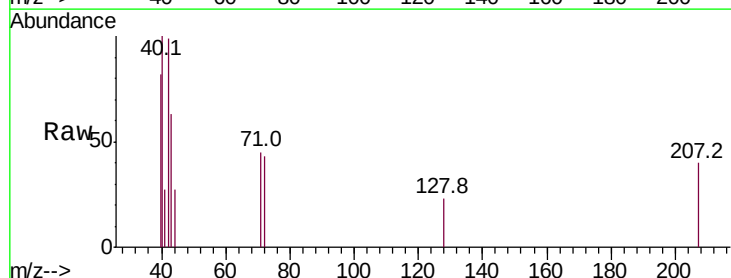


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

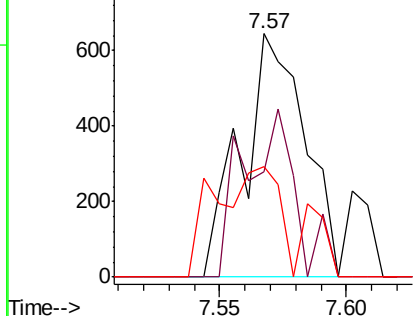
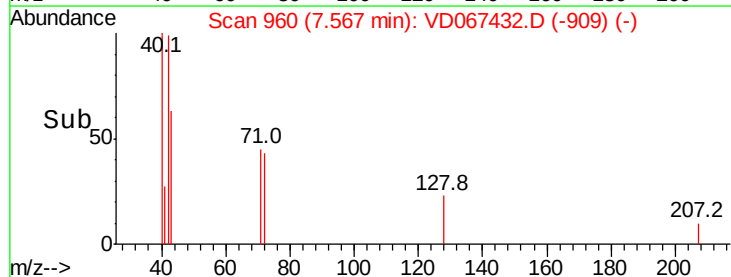


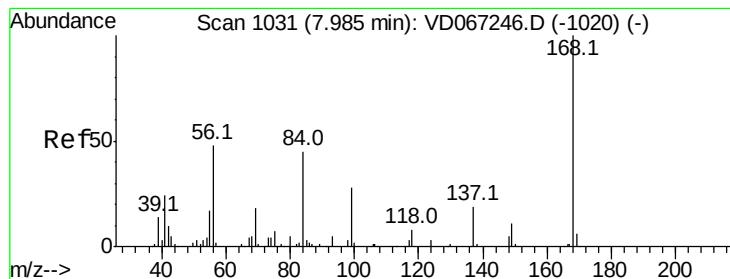
#29
Tetrahydrofuran
Concen: 3.661 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

Tgt Ion: 42 Resp: 1124
Ion Ratio Lower Upper
42 100
72 56.2 43.2 64.8
71 45.7 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.030 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067432.D

Acq: 28 Oct 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

OR-02-102720

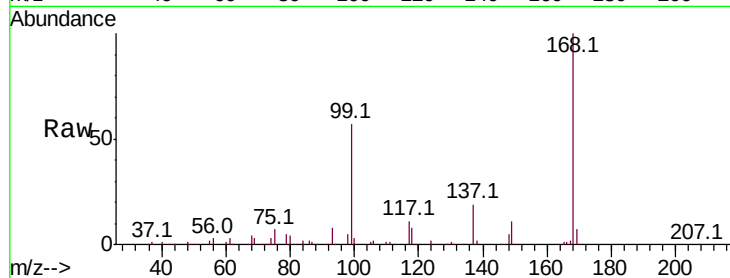
Tot Ion: 56 Resp: 8089

Ion Ratio Lower Upper

56 100

69 127.0 29.8 44.6#

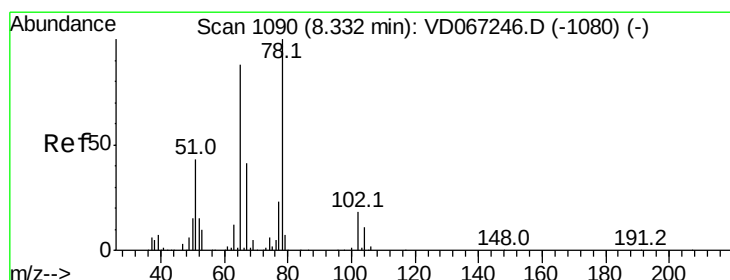
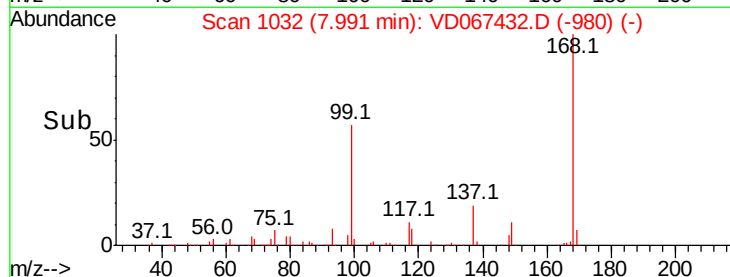
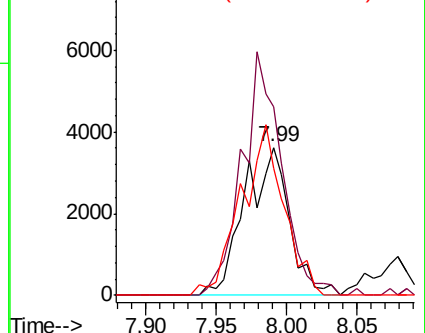
84 85.9 76.6 114.8



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: 51.179 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067432.D

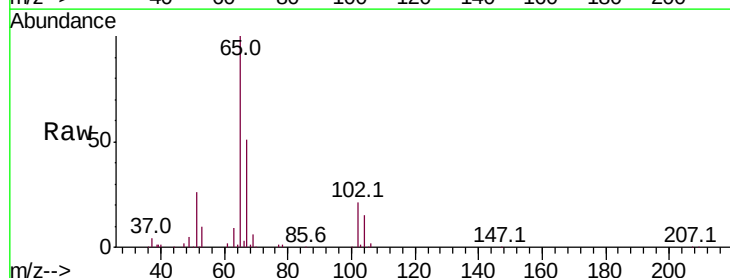
Acq: 28 Oct 2020 14:26

Tgt Ion: 65 Resp: 177079

Ion Ratio Lower Upper

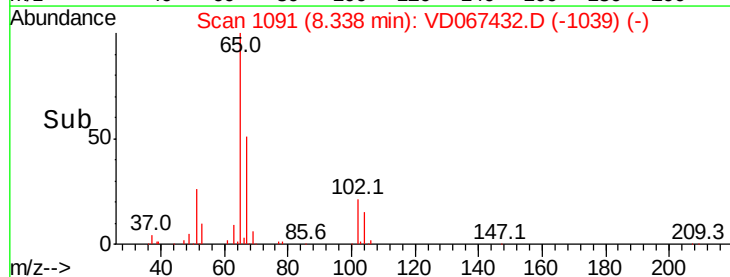
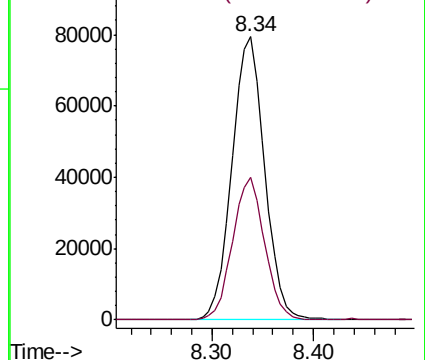
65 100

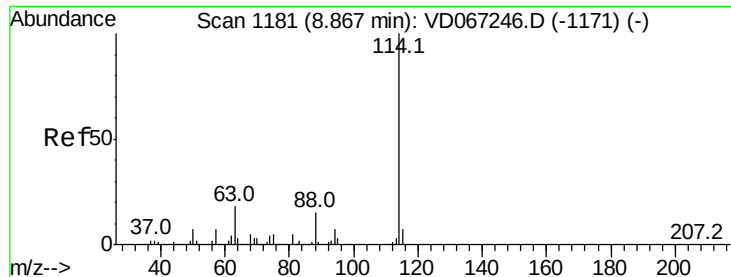
67 49.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

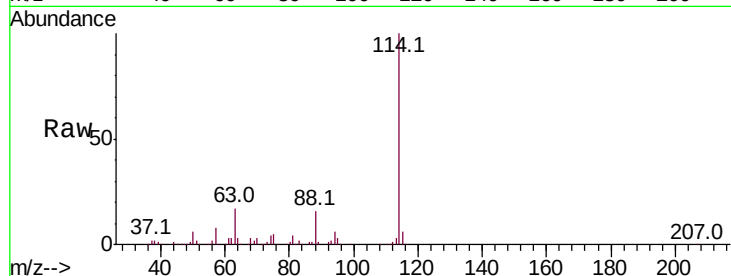




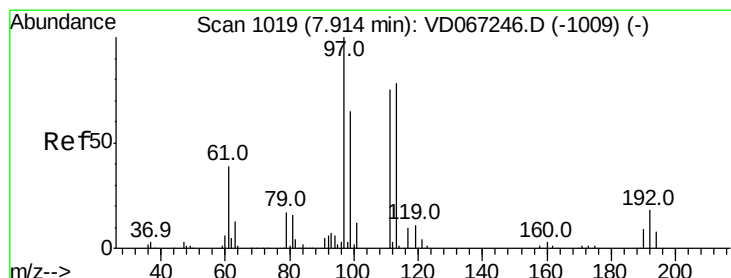
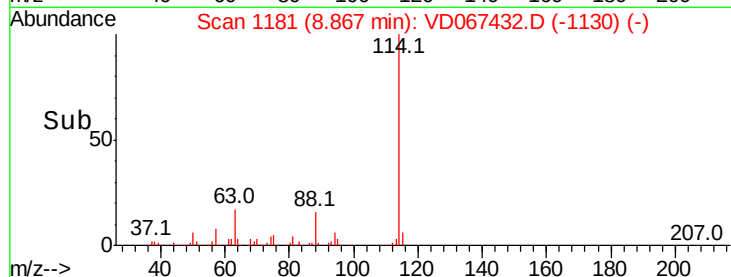
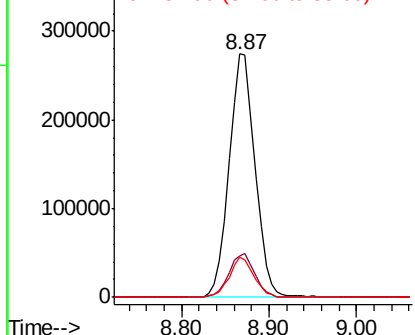
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067432.D
 Acq: 28 Oct 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102720

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.0
88	16.3	0.0	30.6

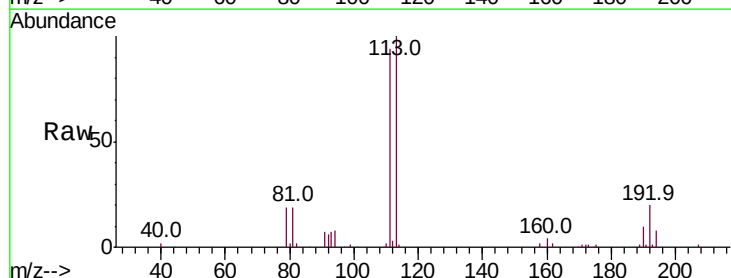


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

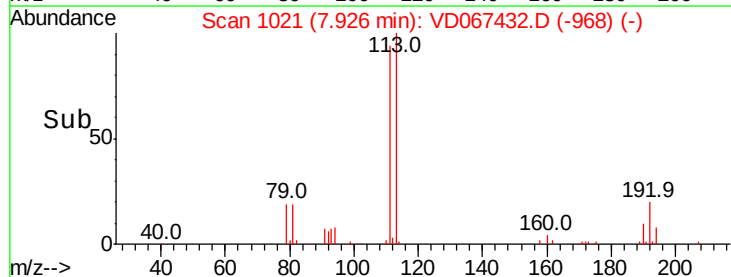
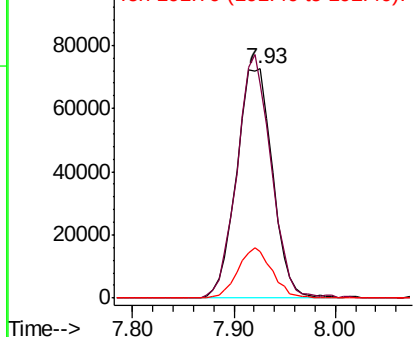


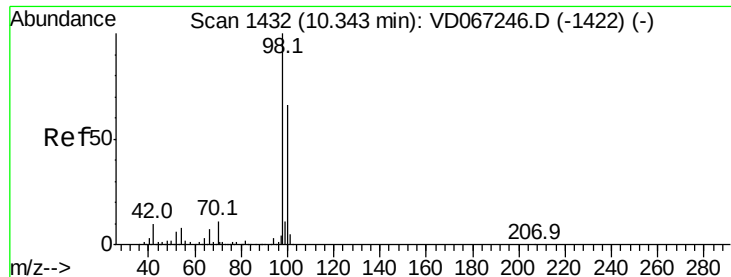
#35
 Dibromofluoromethane
 Concen: 48.725 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067432.D
 Acq: 28 Oct 2020 14:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.6	122.4
192	20.6	17.0	25.4



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

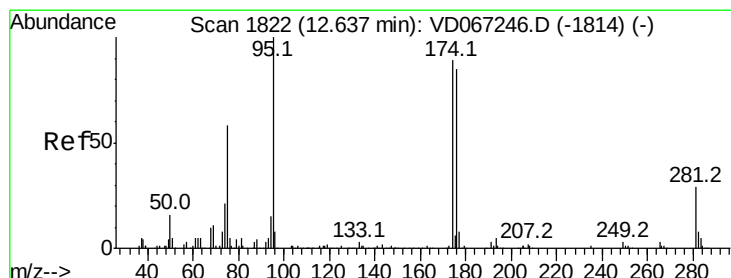
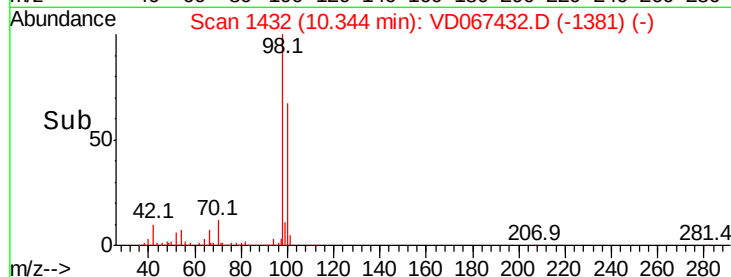
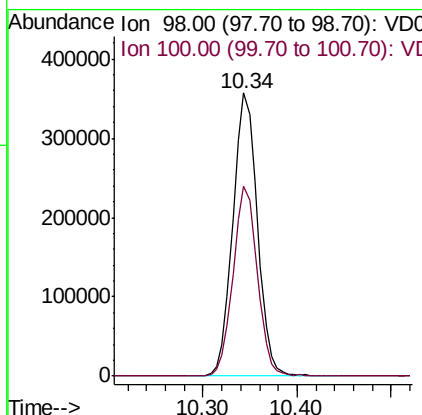
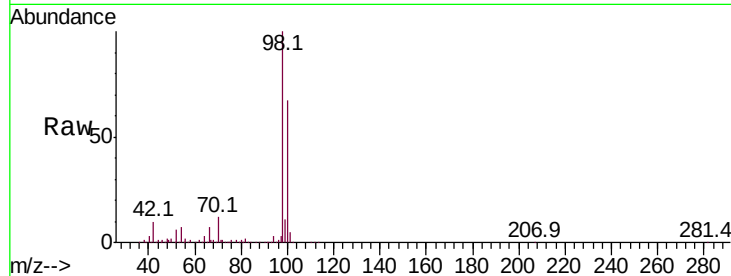




#50
Toluene-d8
Concen: 48.616 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

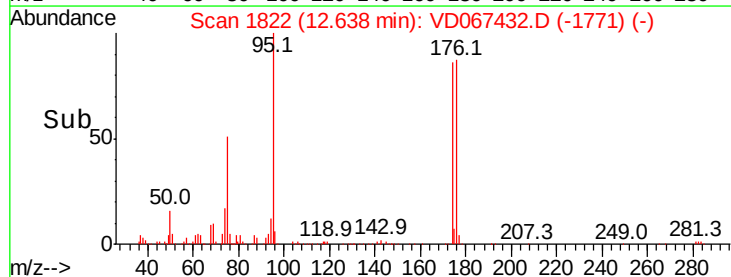
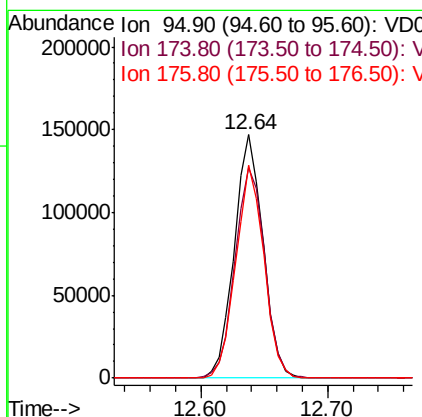
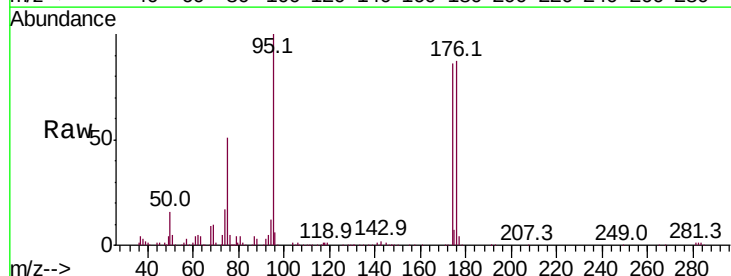
Instrument :
MSVOA_D
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OR-02-102720

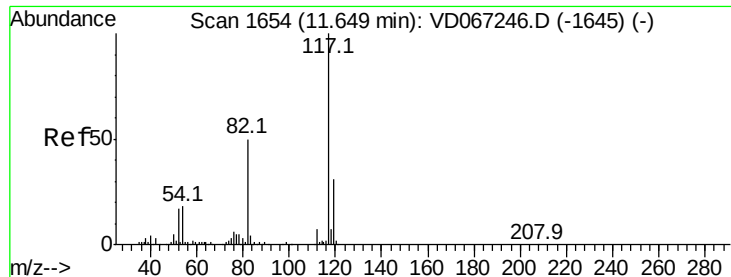
Tot Ion: 98 Resp: 648598
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.436 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

Tgt Ion: 95 Resp: 229337
Ion Ratio Lower Upper
95 100
174 89.8 0.0 175.2
176 86.0 0.0 168.6

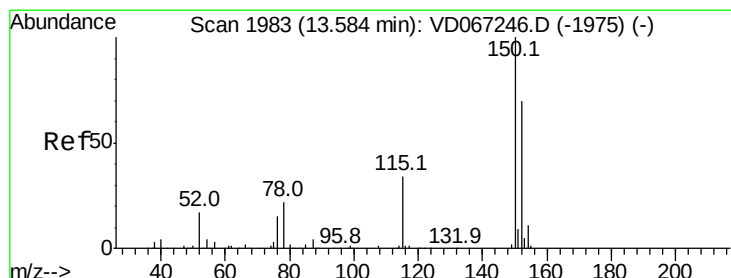
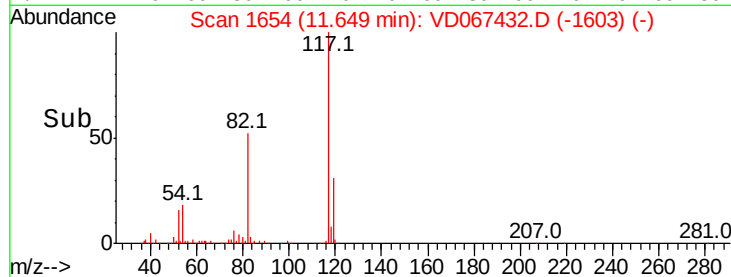
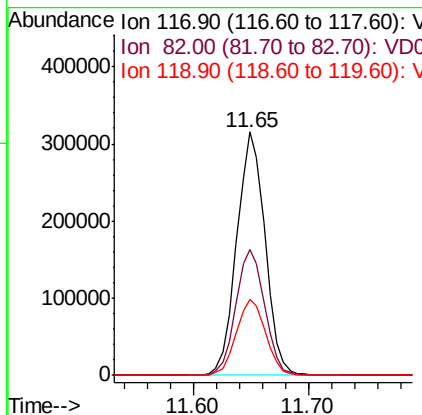
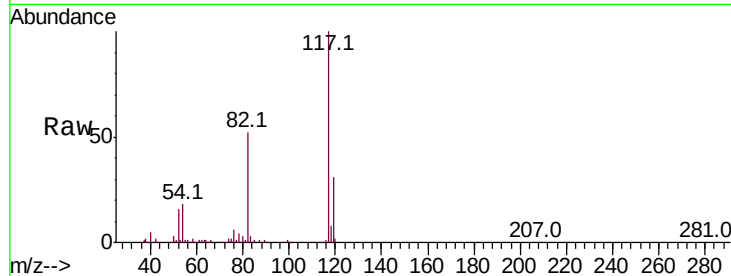




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

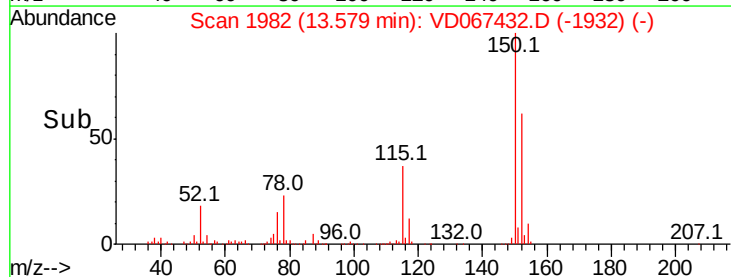
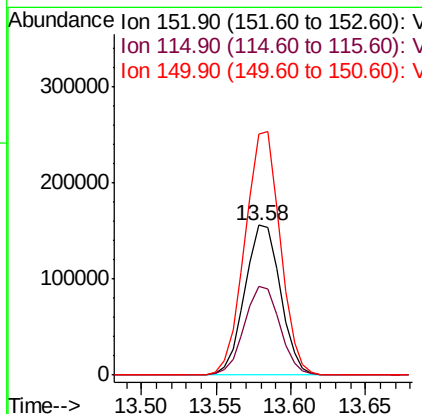
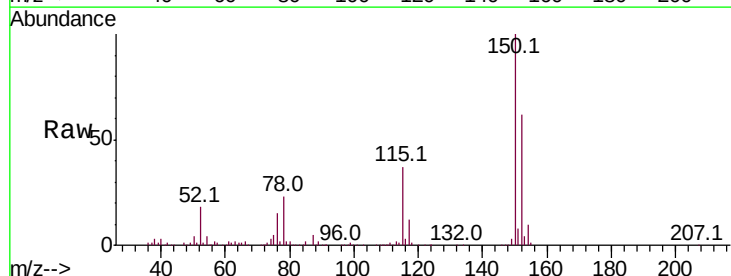
Instrument :
MSVOA_D
ClientSampleId :
OR-02-102720

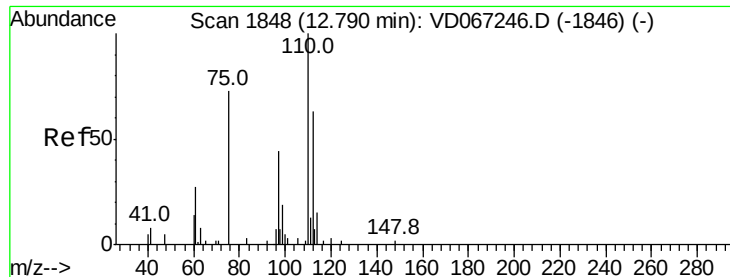
Tot Ion:117 Resp: 534924
Ion Ratio Lower Upper
117 100
82 51.6 39.9 59.9
119 31.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

Tgt Ion:152 Resp: 257447
Ion Ratio Lower Upper
152 100
115 59.4 29.3 87.9
150 160.7 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.983 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067432.D

Acq: 28 Oct 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

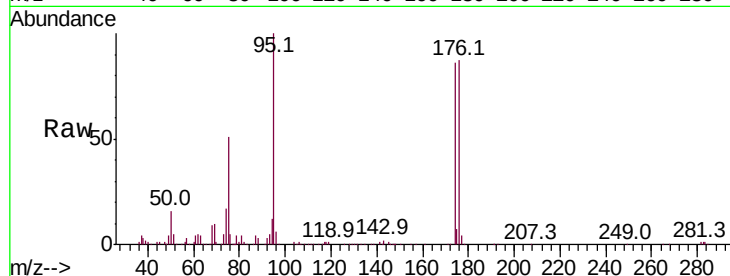
OR-02-102720

Tot Ion: 75 Resp: 119522

Ion Ratio Lower Upper

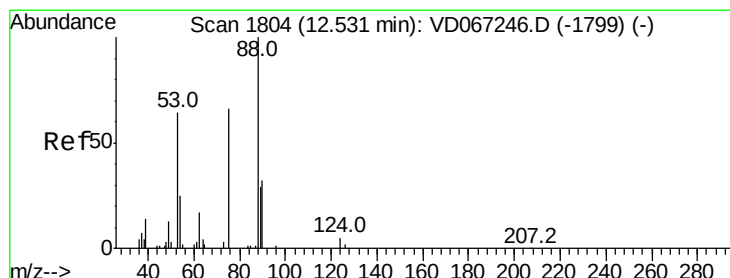
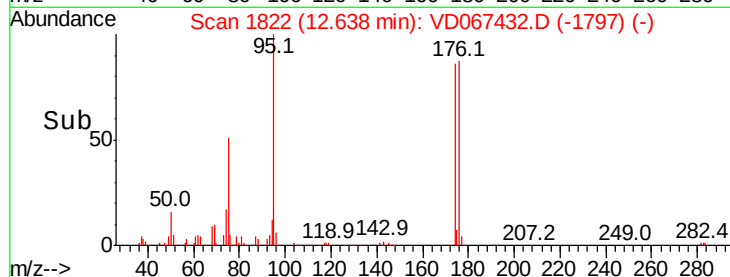
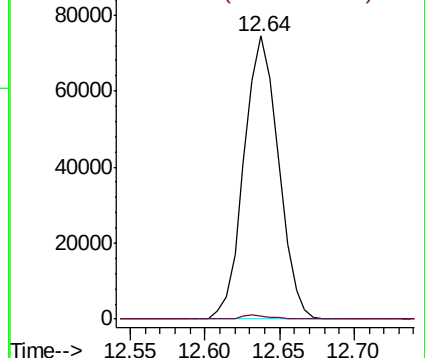
75 100

77 1.3 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: 151.899 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067432.D

Acq: 28 Oct 2020 14:26

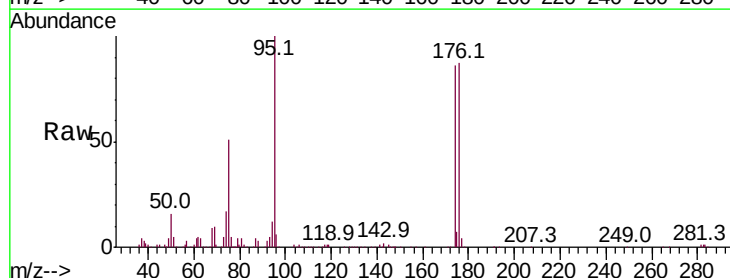
Tgt Ion: 75 Resp: 119522

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

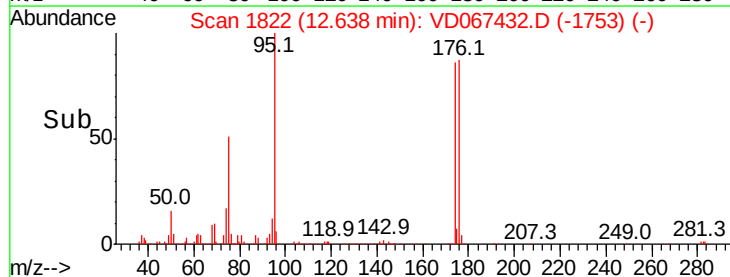
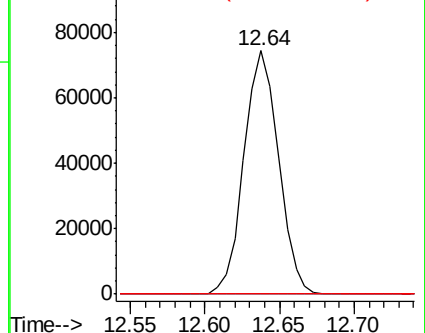
89 0.0 39.9 59.9#

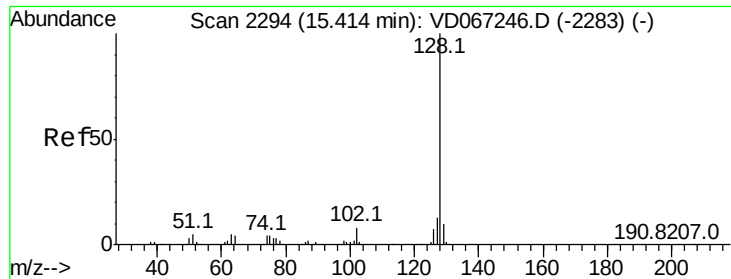


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 1.320 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067432.D
Acq: 28 Oct 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102720

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.4	15.6
129	10.7	8.6	12.8

