

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067116.D
 Acq On : 06 Oct 2020 19:02
 Operator : VA/SY
 Sample : L4272-51
 Misc : 7.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-10-(3.5)

Quant Time: Oct 07 01:12:43 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

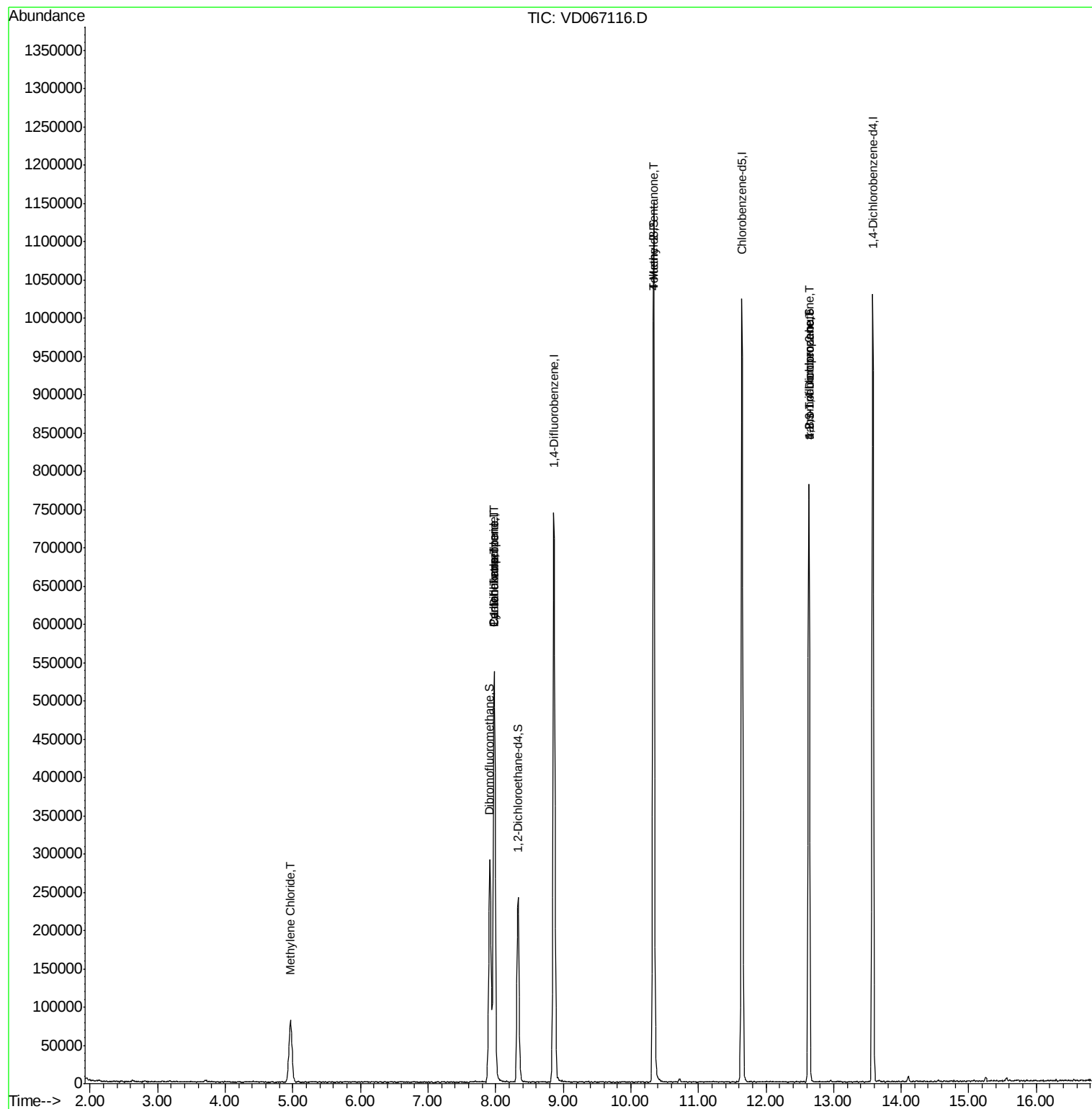
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	398802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	619028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282849	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200859	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.91	113	215249	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.34	98	786606	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.64	95	258337	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	84	Below Cal	#	40
5) Bromomethane	2.79	94	279	Below Cal	#	3
20) Methylene Chloride	4.97	84	68589	10.777	ug/l	99
31) Cyclohexane	7.98	56	7519	1.303	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	28567	4.599	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41772	6.215	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3080	1.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	129617	52.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129617	131.165	ug/l #	12

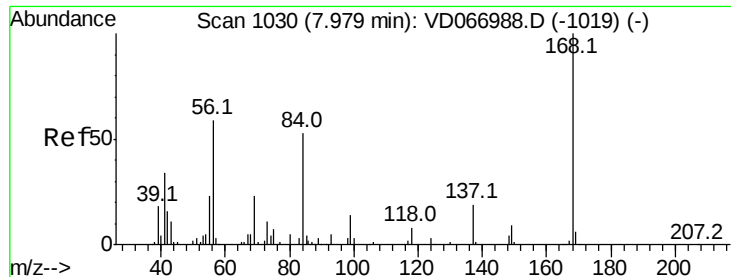
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

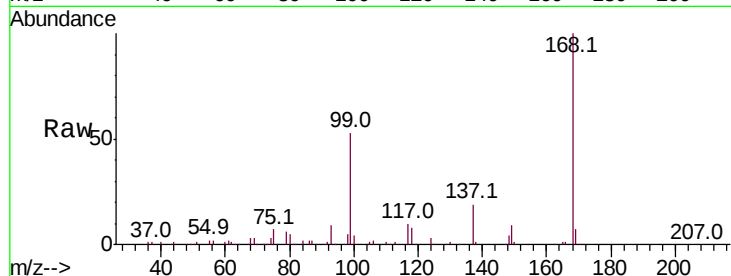
SC-10-(3.5)

Tot Ion:168 Resp: 398802

Ion Ratio Lower Upper

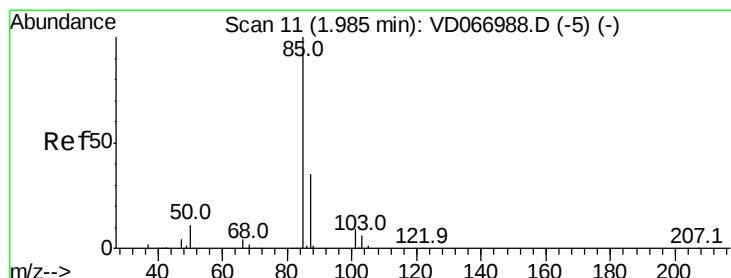
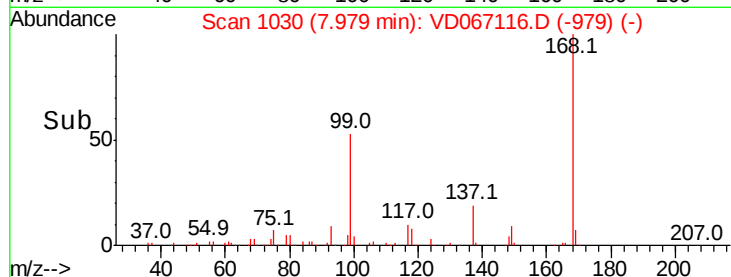
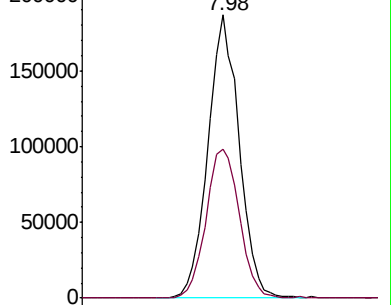
168 100

99 52.6 44.1 66.1



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: VD067116.D

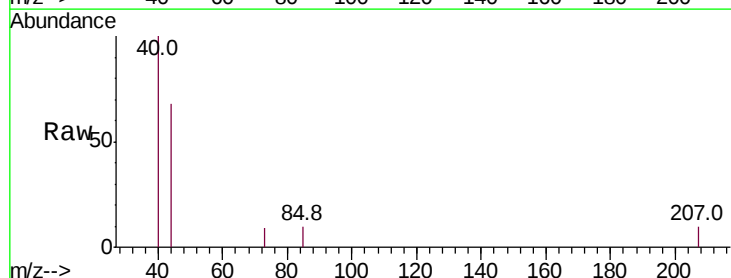
Acq: 06 Oct 2020 19:02

Tgt Ion: 85 Resp: 84

Ion Ratio Lower Upper

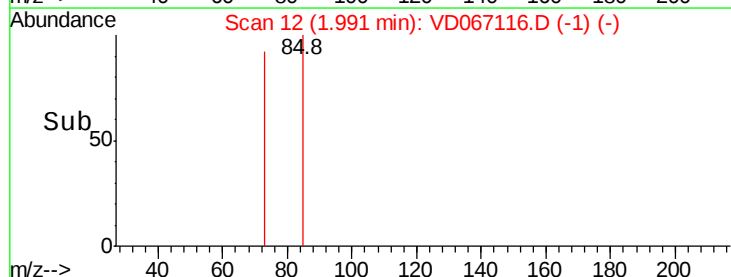
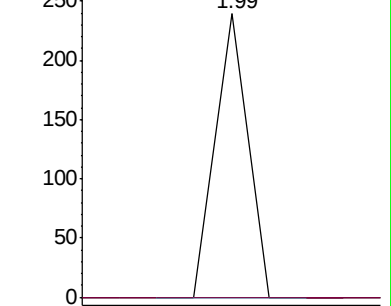
85 100

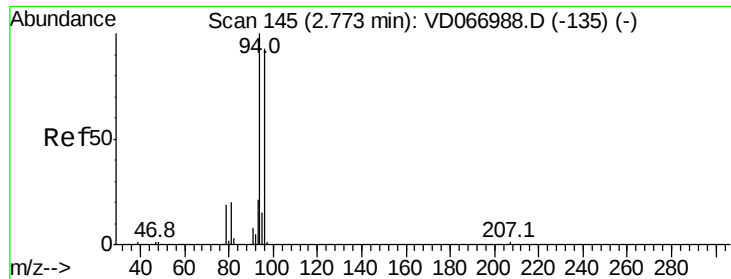
87 0.0 17.3 52.0#



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

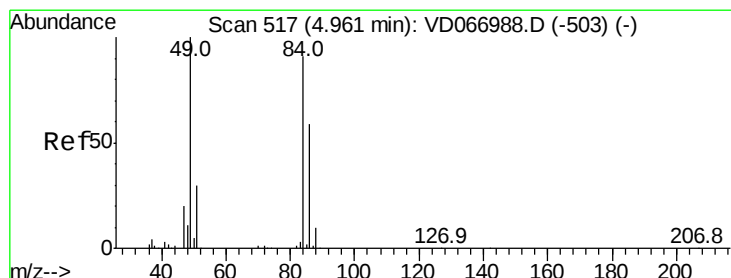
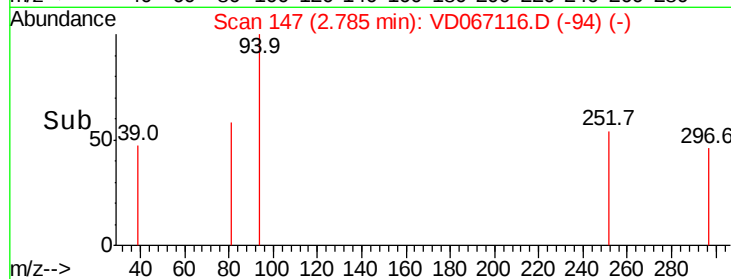
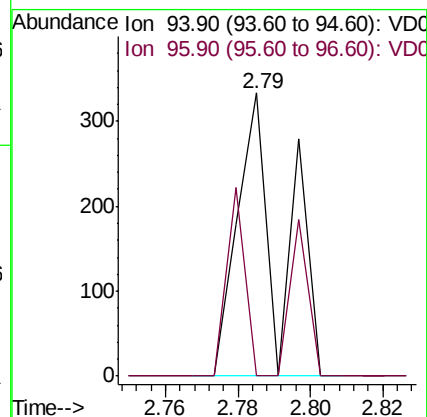
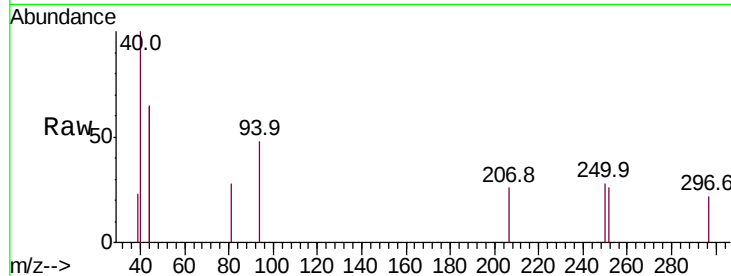
SC-10-(3.5)

Tot Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#20

Methylene Chloride

Concen: 10.777 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

Tgt Ion: 84 Resp: 68589

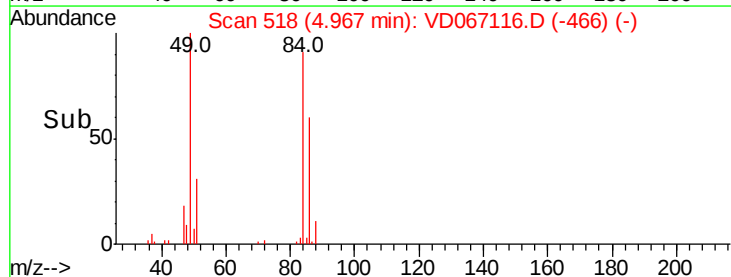
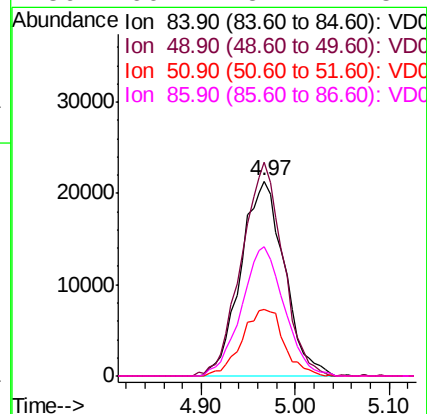
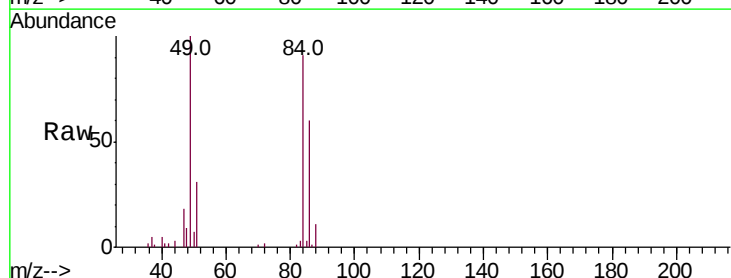
Ion Ratio Lower Upper

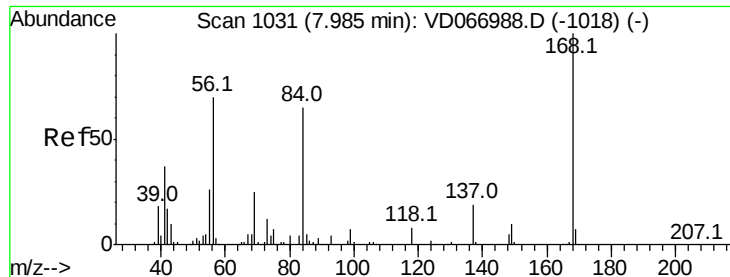
84 100

49 109.4 88.2 132.2

51 34.3 26.6 39.8

86 66.1 52.1 78.1

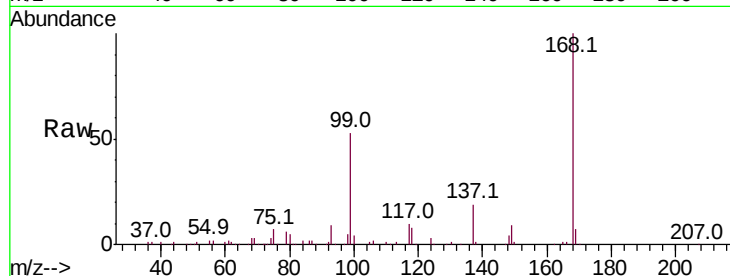




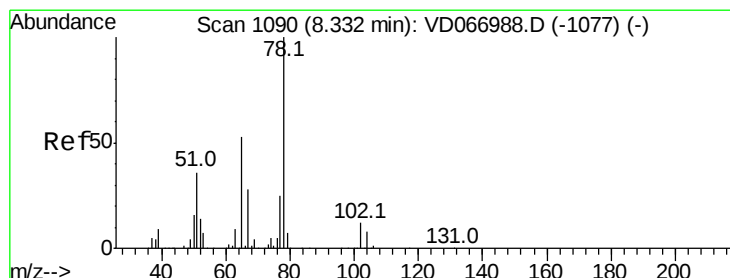
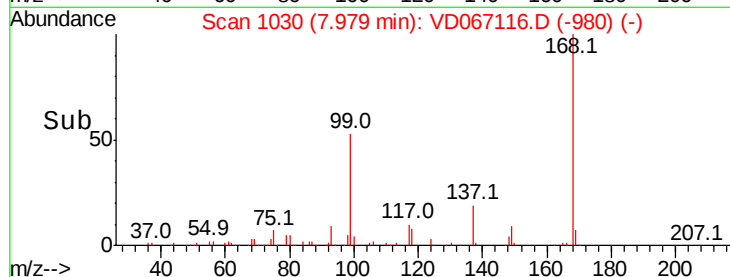
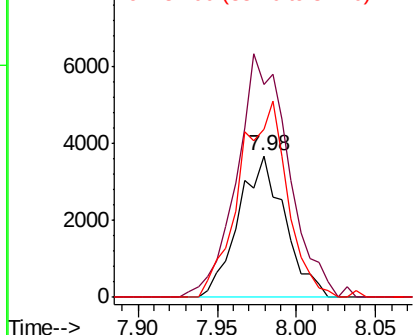
#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

Instrument :
MSVOA_D
ClientSampleId :
SC-10-(3.5)

Tot Ion: 56 Resp: 7519
Ion Ratio Lower Upper
56 100
69 150.4 29.0 43.6#
84 118.2 74.2 111.2#

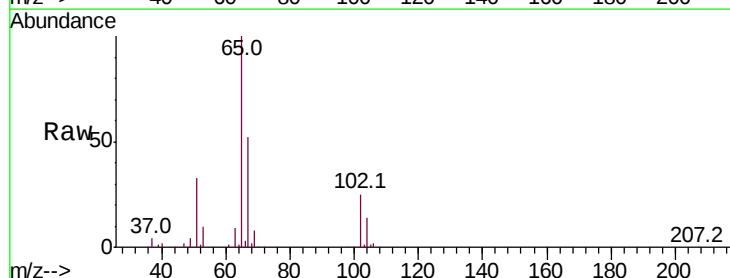


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

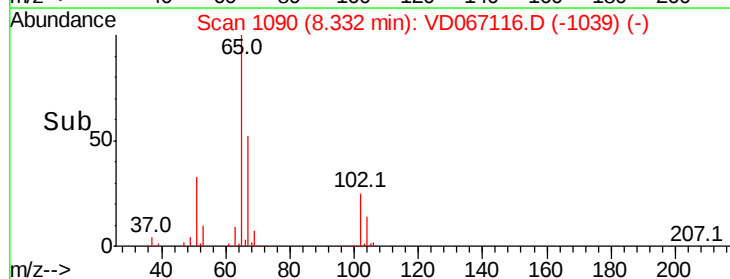
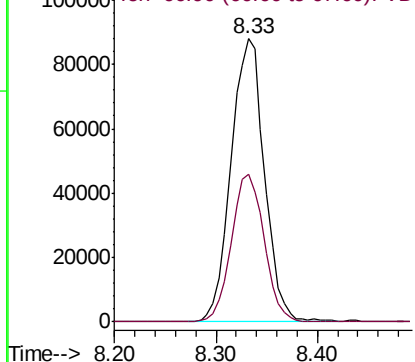


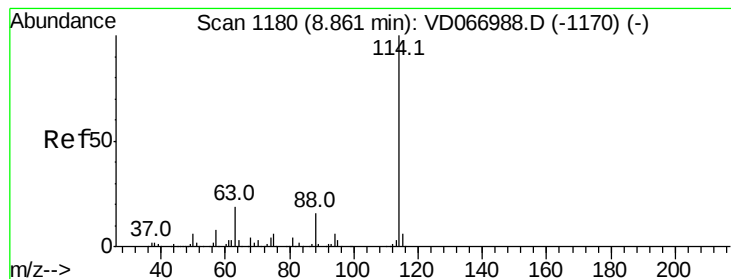
#33
1,2-Dichloroethane-d4
Concen: 52.290 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

Tgt Ion: 65 Resp: 200859
Ion Ratio Lower Upper
65 100
67 51.2 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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

SC-10-(3.5)

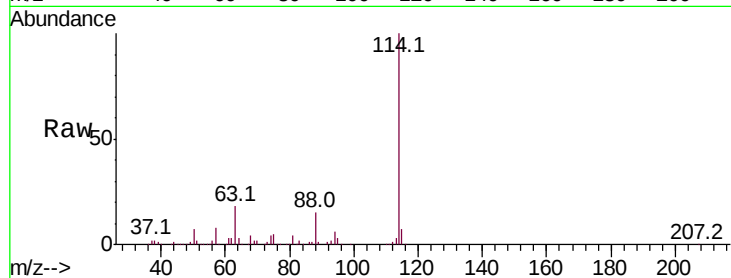
Tot Ion:114 Resp: 666435

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

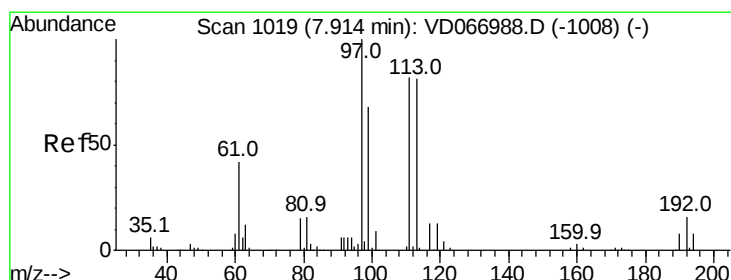
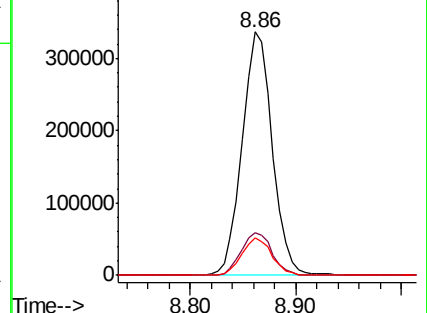
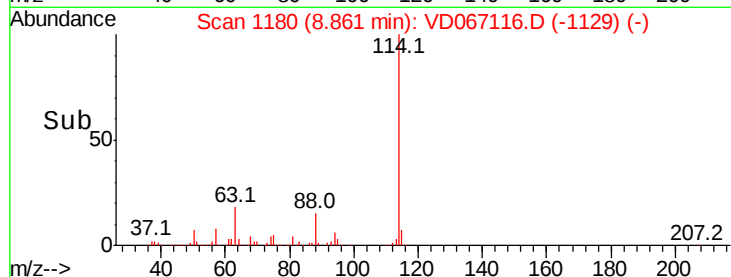
88 15.3 0.0 31.2



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: 49.335 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

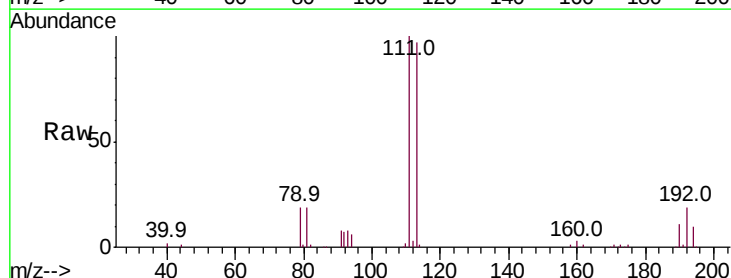
Tgt Ion:113 Resp: 215249

Ion Ratio Lower Upper

113 100

111 104.2 83.0 124.4

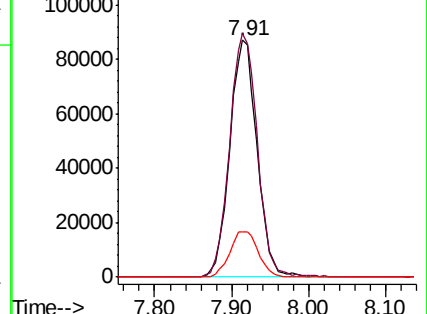
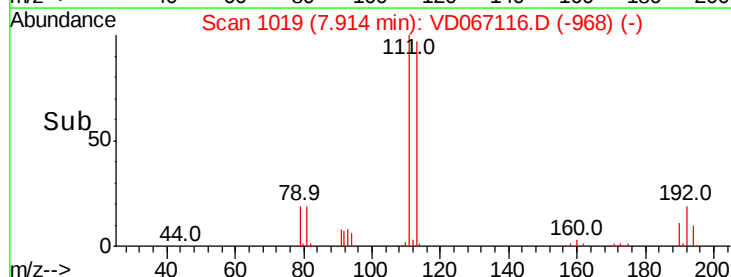
192 20.0 15.5 23.3

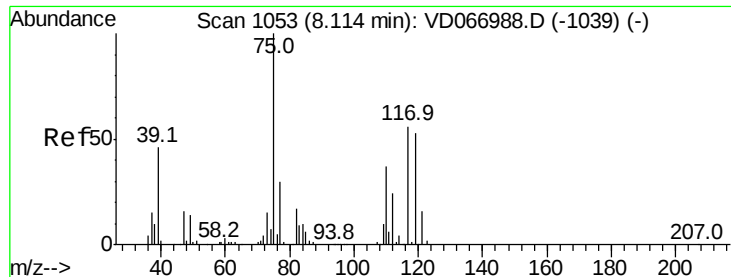


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampled :

SC-10-(3.5)

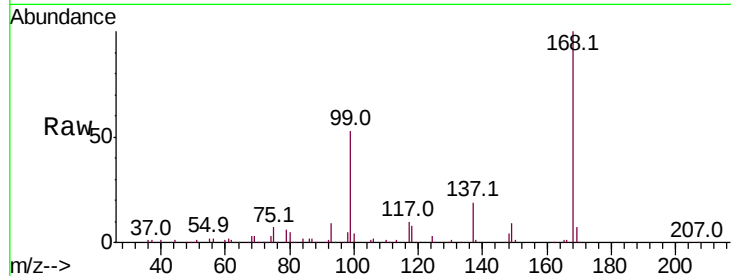
Tot Ion: 75 Resp: 28567

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

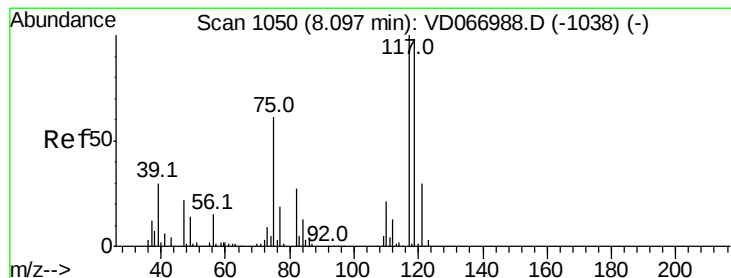
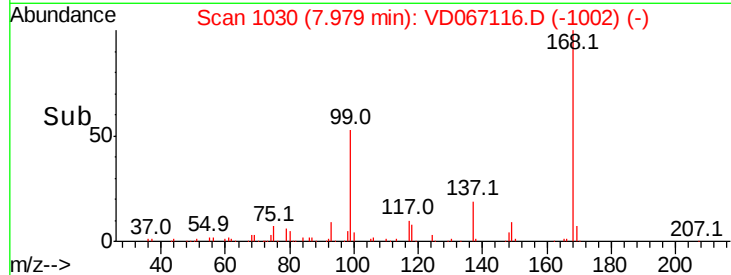
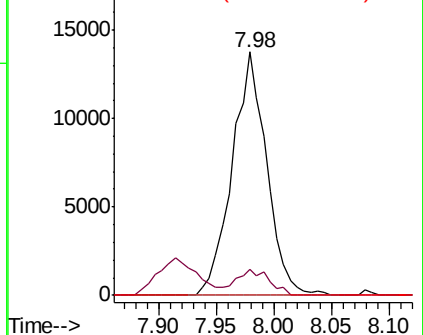
77 0.0 24.8 37.2#



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: 6.215 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

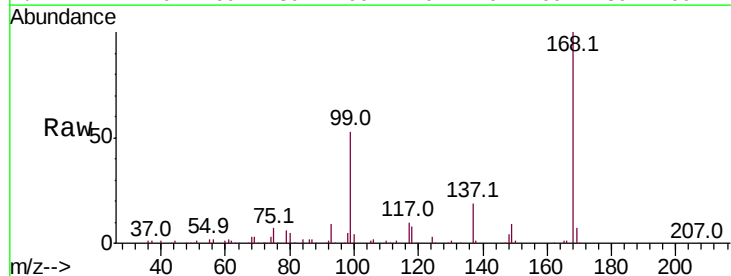
Tgt Ion: 117 Resp: 41772

Ion Ratio Lower Upper

117 100

119 4.4 78.7 118.1#

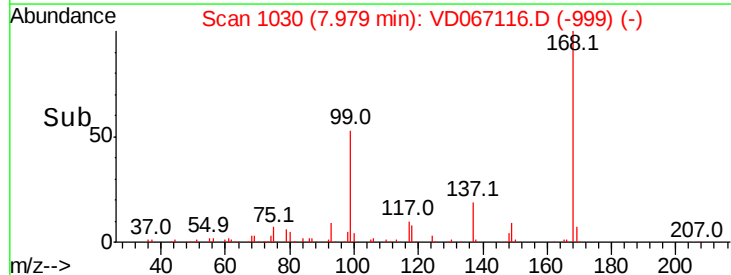
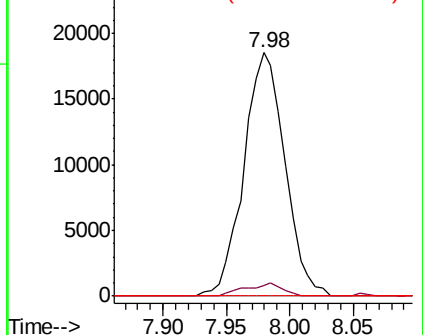
121 0.0 24.2 36.2#

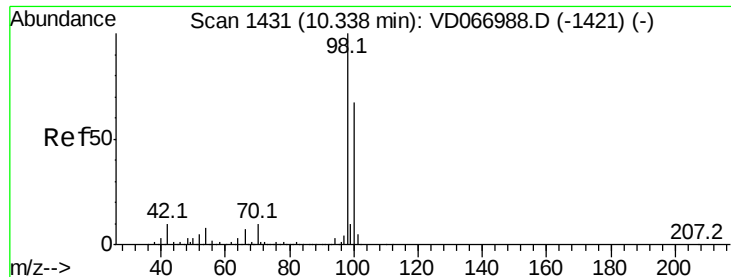


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

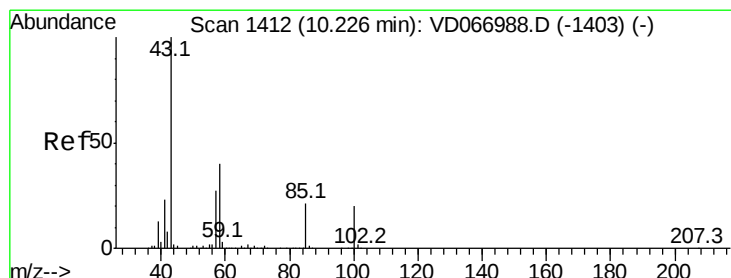
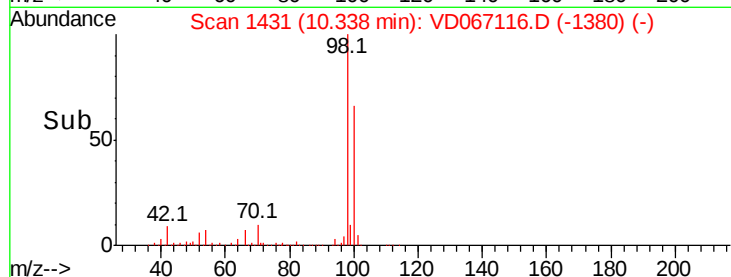
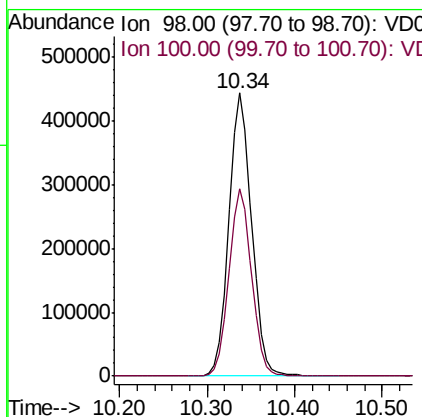
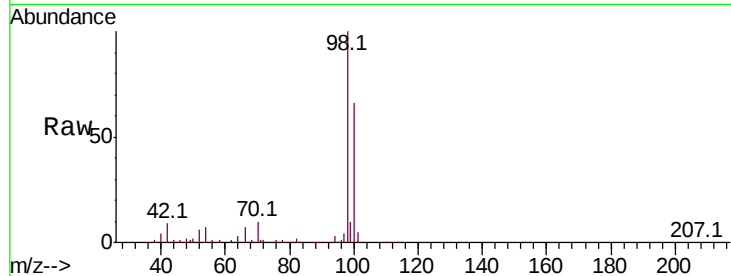




#50
Toluene-d8
Concen: 49.477 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

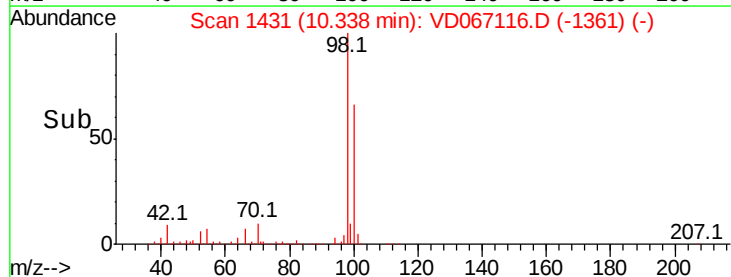
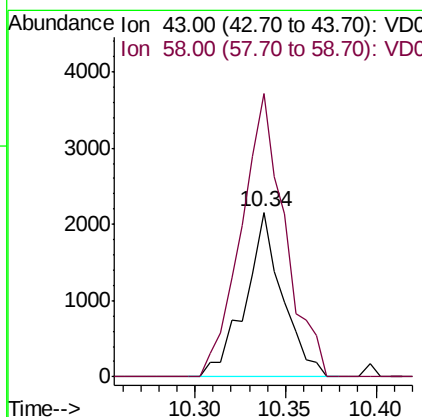
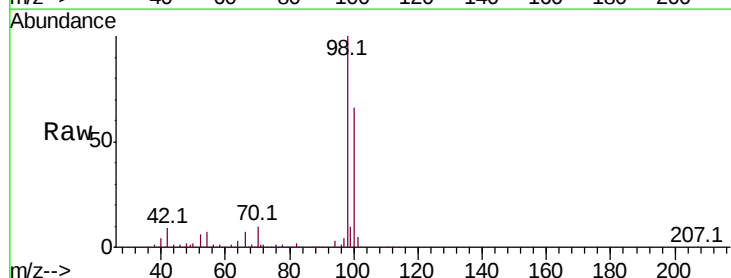
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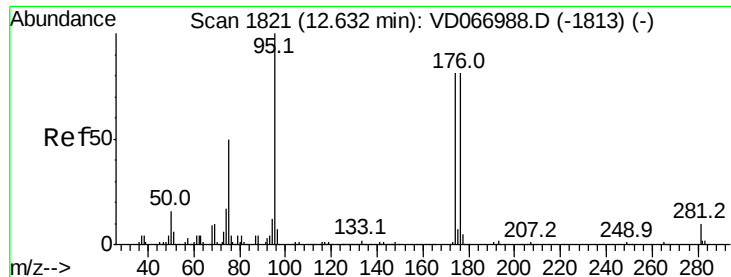
Tot Ion: 98 Resp: 786606
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.560 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
58 202.5 33.8 50.8#

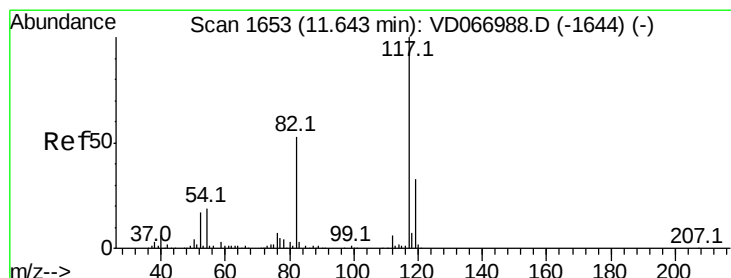
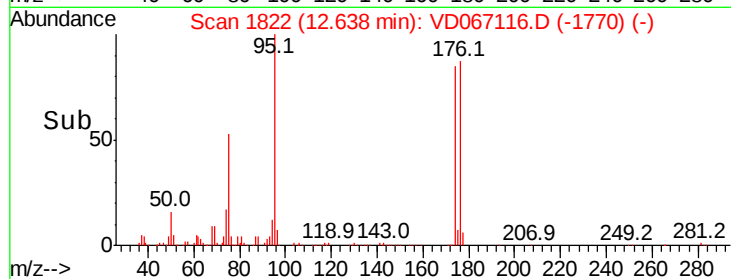
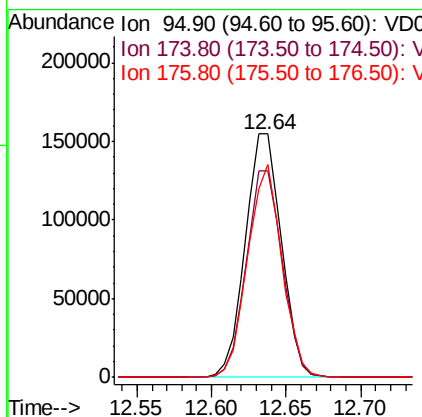
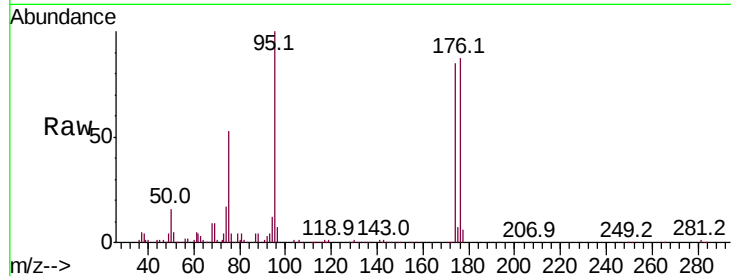




#62
4-Bromofluorobenzene
Concen: 47.866 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

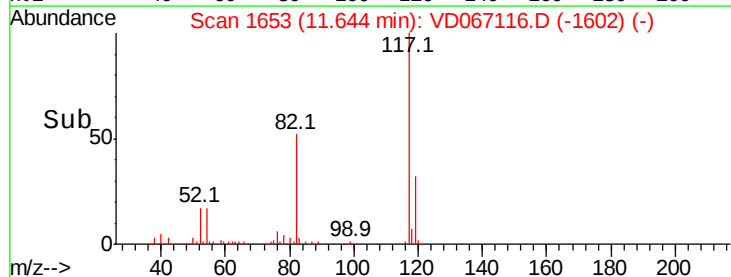
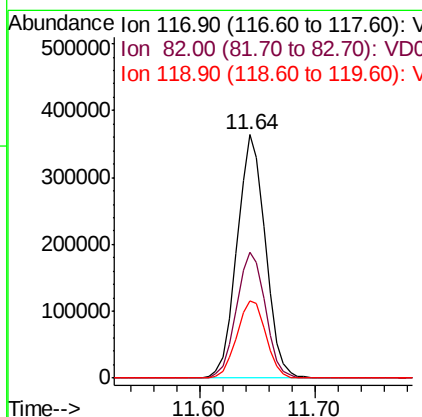
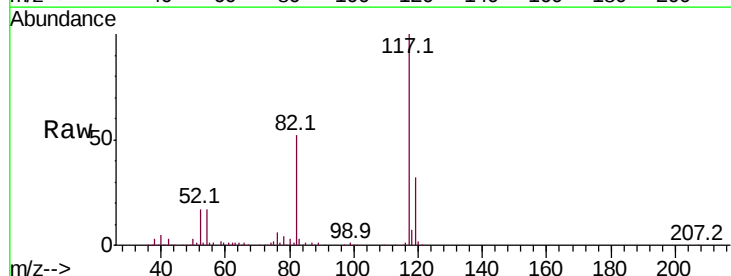
Instrument :
MSVOA_D
ClientSampleId :
SC-10-(3.5)

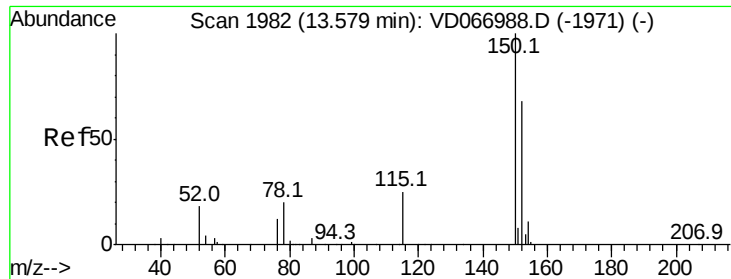
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	167.6
176	83.0	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067116.D
Acq: 06 Oct 2020 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	63.8
119	31.9	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: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

SC-10-(3.5)

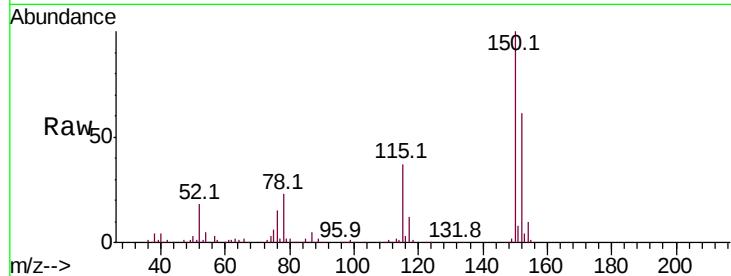
Tot Ion:152 Resp: 282849

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

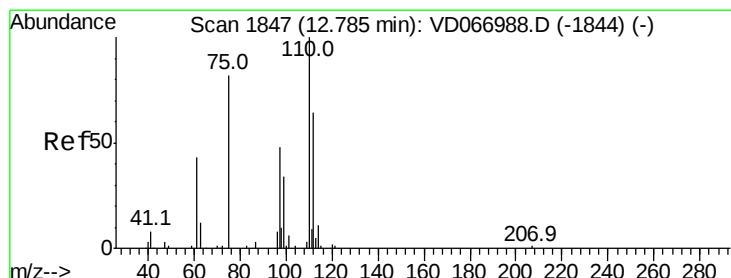
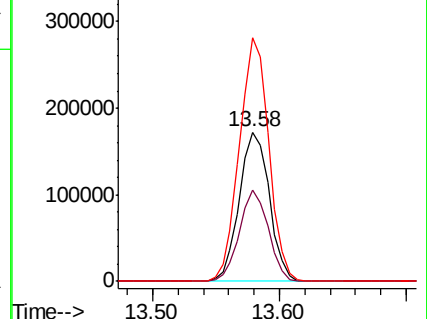
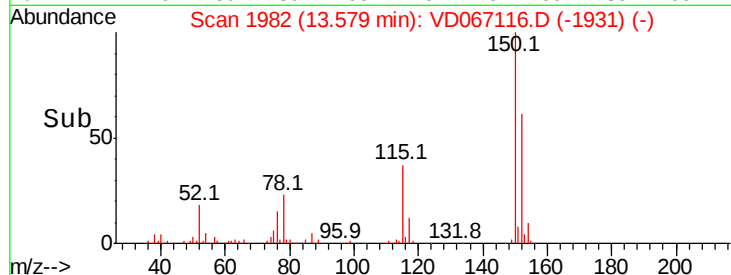
150 159.6 0.0 344.8



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: 52.610 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067116.D

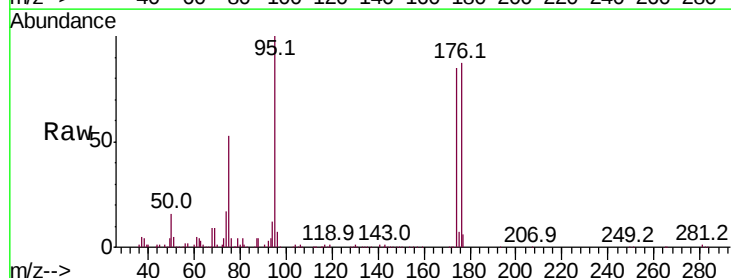
Acq: 06 Oct 2020 19:02

Tgt Ion: 75 Resp: 129617

Ion Ratio Lower Upper

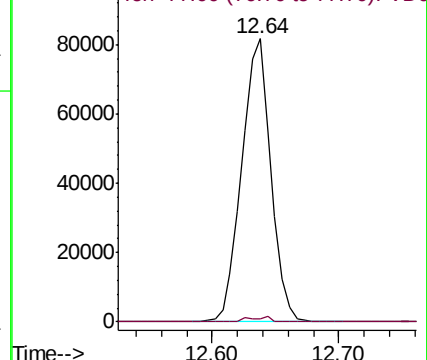
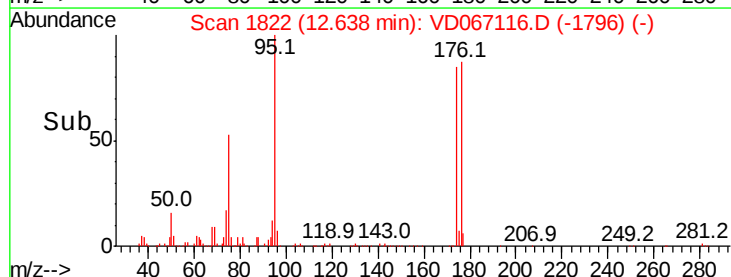
75 100

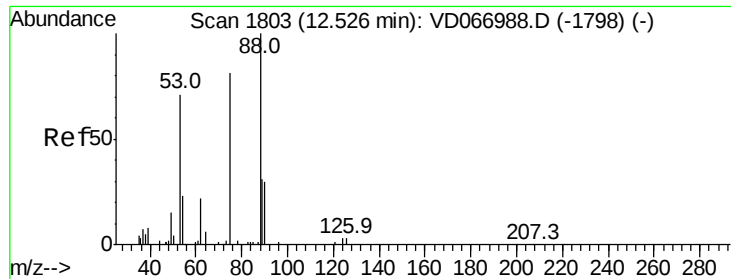
77 1.3 0.0 0.0#



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: 131.165 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067116.D

Acq: 06 Oct 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

SC-10-(3.5)

Tot Ion: 75 Resp: 129617

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#

