

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067812.D
 Acq On : 30 Nov 2020 13:50
 Operator : VA/SY
 Sample : L4868-03RE
 Misc : 6.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B3-112020-8-10RE

Quant Time: Dec 01 00:16:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	667222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1109701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1039489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	533617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	377512	58.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	116.38%		
35) Dibromofluoromethane	7.92	113	349974	49.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.12%		
50) Toluene-d8	10.34	98	1255969	48.64	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.28%		
62) 4-Bromofluorobenzene	12.64	95	464436	52.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.26%		

Target Compounds

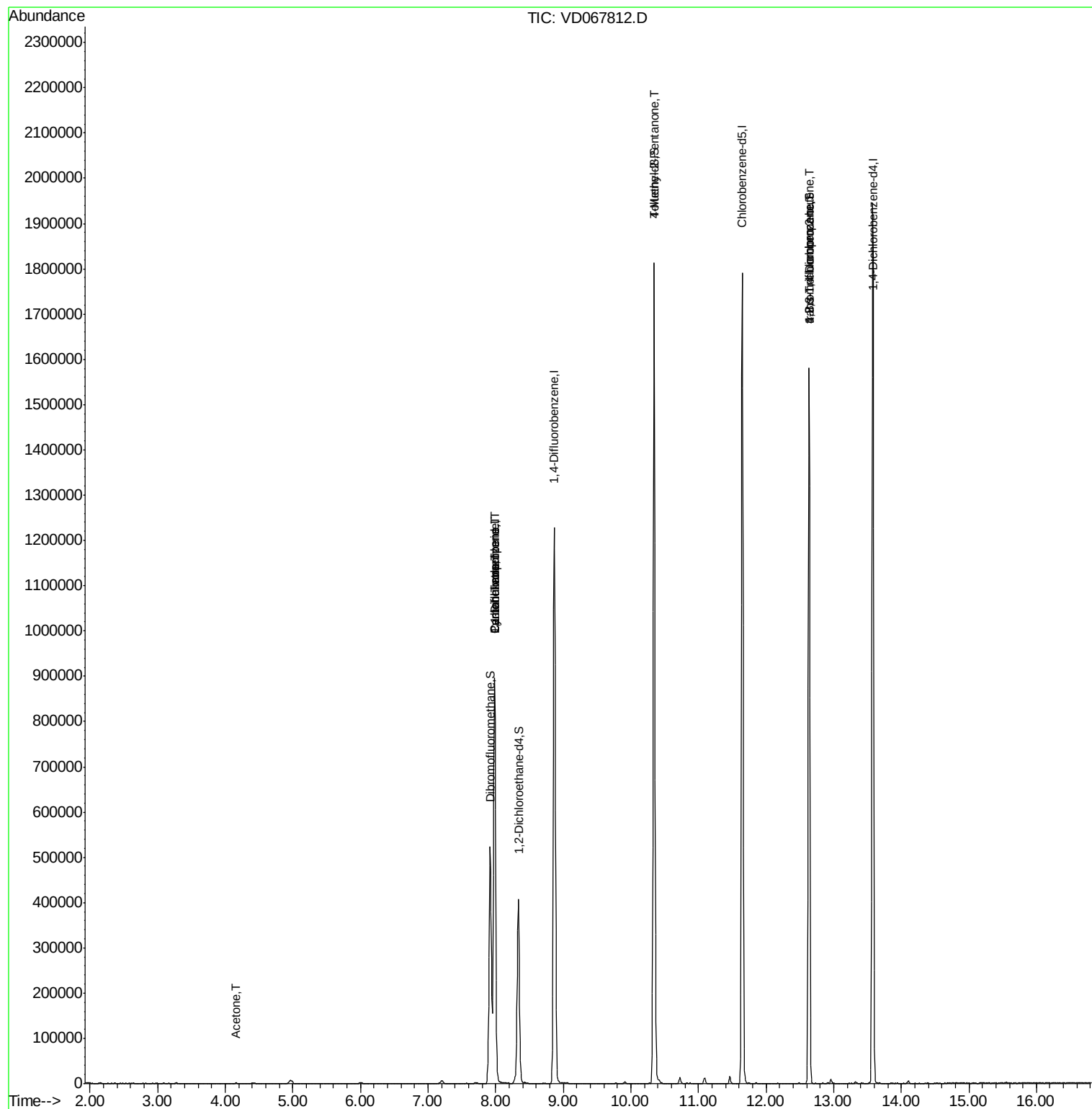
					Qvalue
11) Tert butyl alcohol	5.23	59	246	Below Cal	# 87
16) Acetone	4.16	43	2284	2.725 ug/l	# 76
20) Methylene Chloride	4.96	84	6574	Below Cal	# 84
31) Cyclohexane	7.98	56	12443	1.585 ug/l	# 40
36) 1,1-Dichloropropene	7.98	75	46441	4.877 ug/l	# 50
38) Carbon Tetrachloride	7.98	117	68650	4.973 ug/l	# 17
51) 4-Methyl-2-Pentanone	10.34	43	5365	2.230 ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	265342	71.347 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	265342	166.874 ug/l	# 11

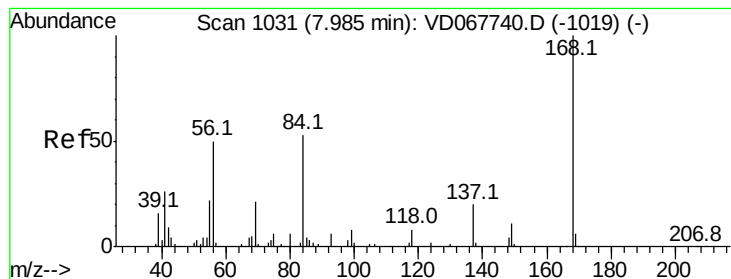
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
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: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

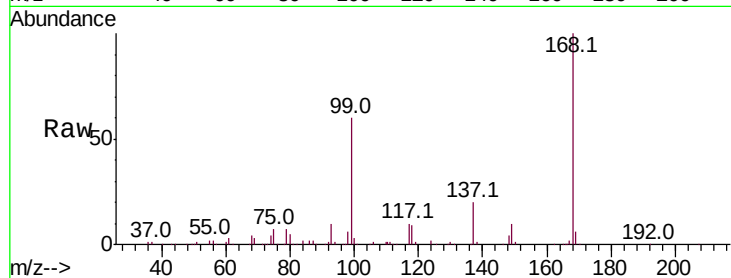
KENS-B3-112020-8-10RE

Tot Ion:168 Resp: 667222

Ion Ratio Lower Upper

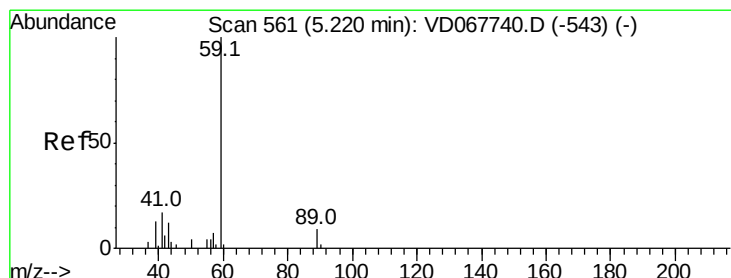
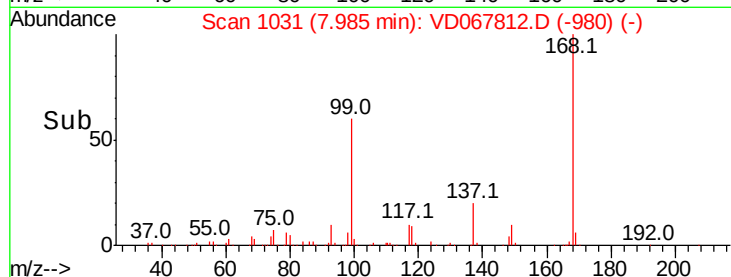
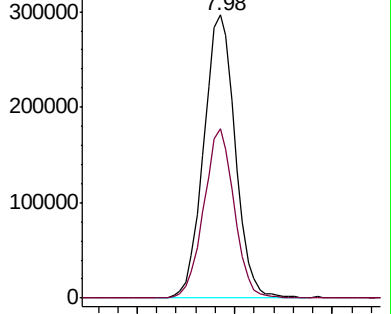
168 100

99 59.9 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067812.D

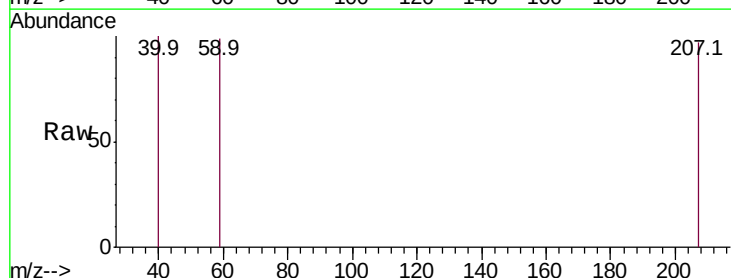
Acq: 30 Nov 2020 13:50

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

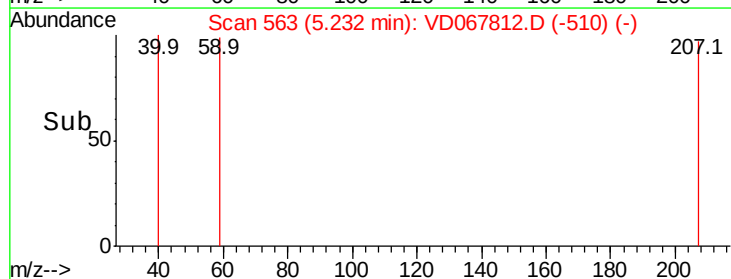
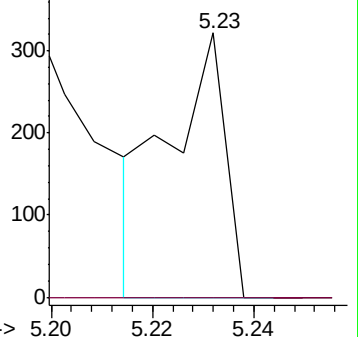
59 100

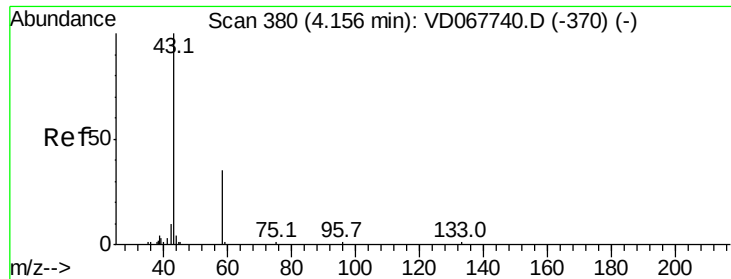
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.725 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

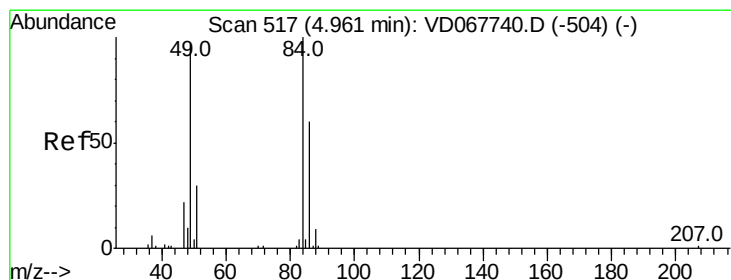
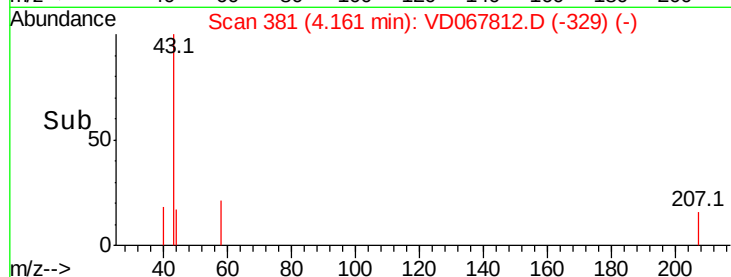
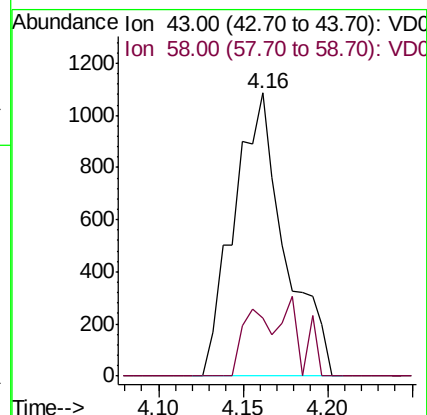
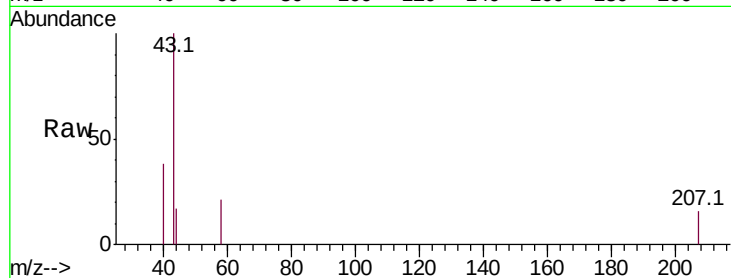
KENS-B3-112020-8-10RE

Tot Ion: 43 Resp: 2284

Ion Ratio Lower Upper

43 100

58 20.6 27.6 41.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Tgt Ion: 84 Resp: 6574

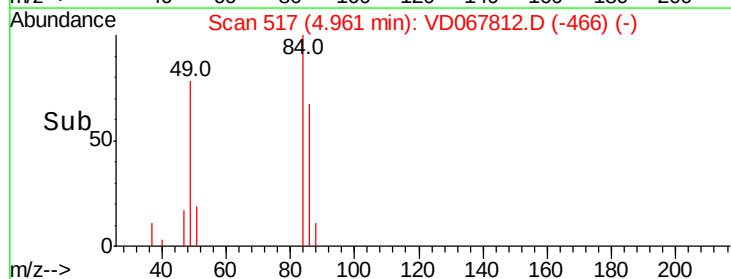
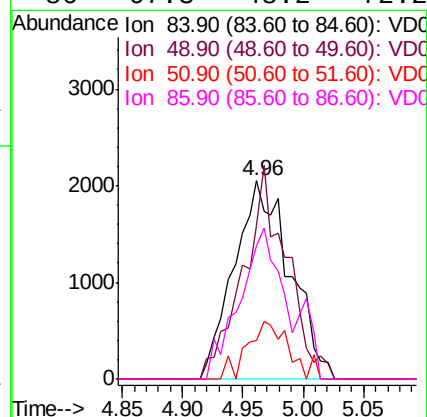
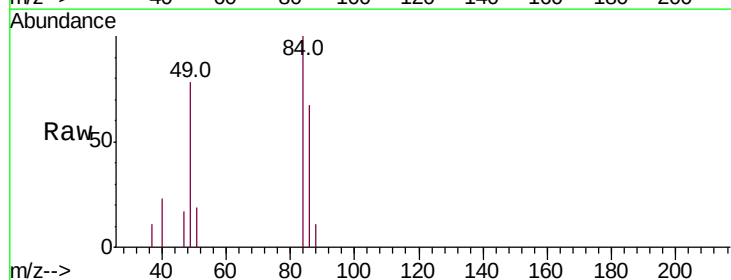
Ion Ratio Lower Upper

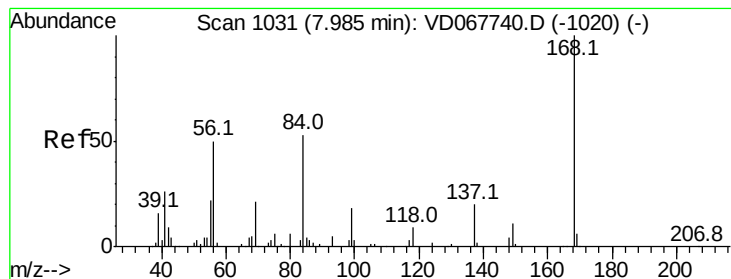
84 100

49 77.7 77.4 116.2

51 19.2 24.1 36.1#

86 67.3 48.2 72.2





#31

Cyclohexane

Concen: 1.585 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

KENS-B3-112020-8-10RE

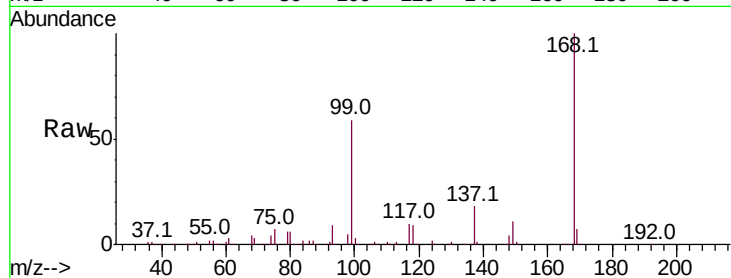
Tot Ion: 56 Resp: 12443

Ion Ratio Lower Upper

56 100

69 150.5 33.2 49.8#

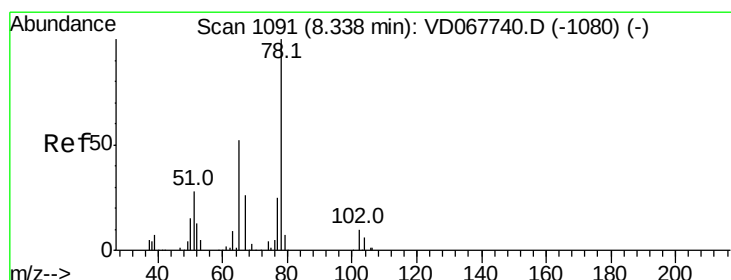
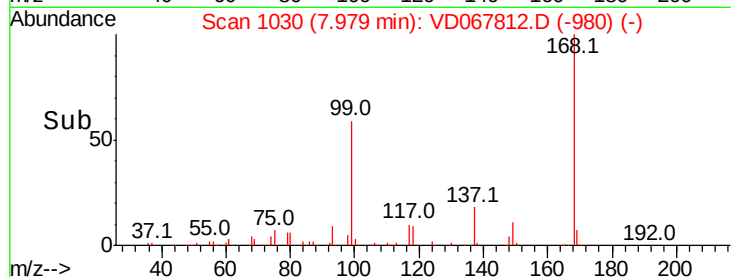
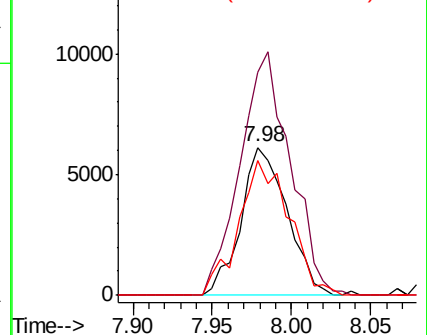
84 90.6 84.8 127.2



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: 58.191 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067812.D

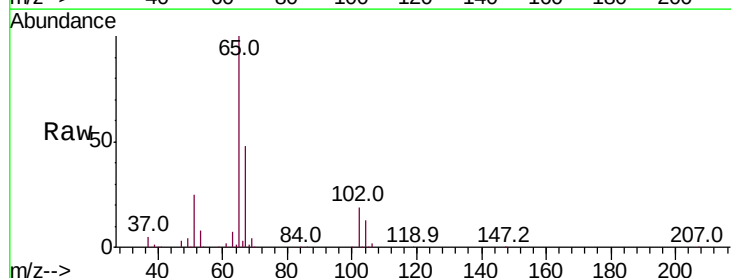
Acq: 30 Nov 2020 13:50

Tgt Ion: 65 Resp: 377512

Ion Ratio Lower Upper

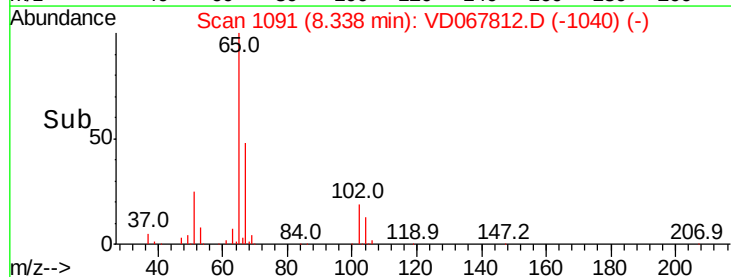
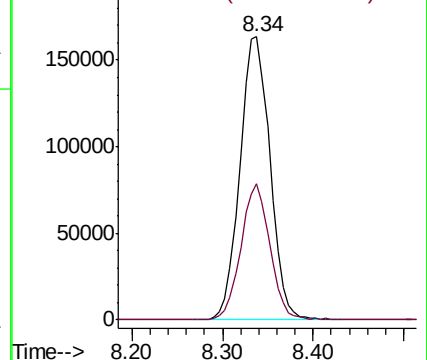
65 100

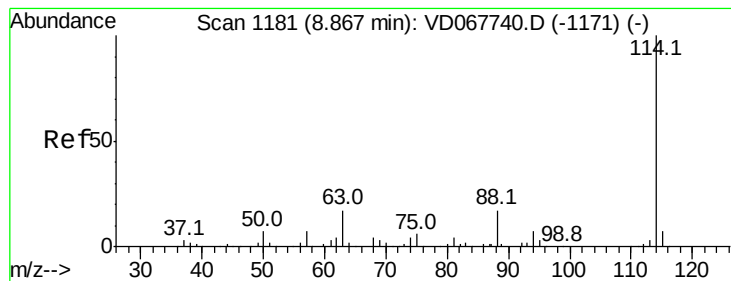
67 46.3 0.0 101.0



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: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

KENS-B3-112020-8-10RE

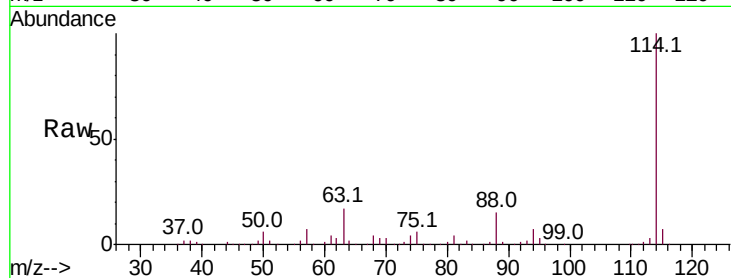
Tot Ion:114 Resp: 1109701

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

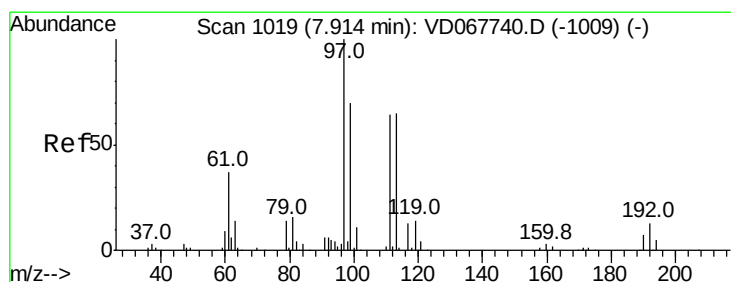
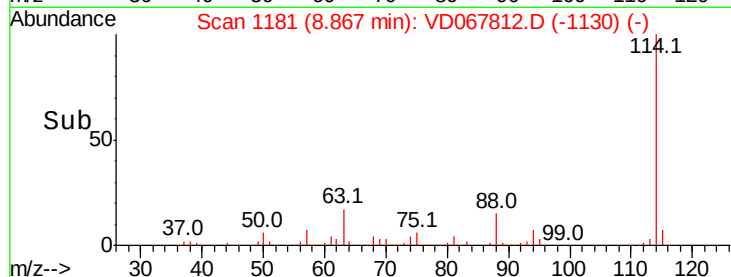
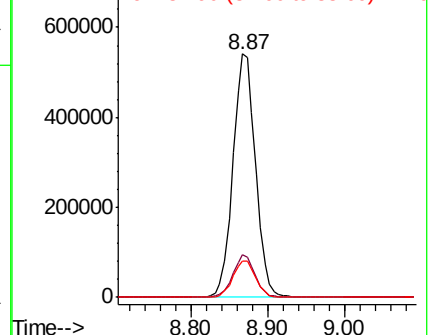
88 15.1 0.0 34.4



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: 49.557 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

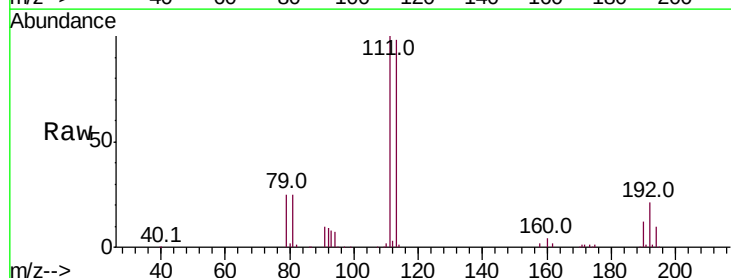
Tgt Ion:113 Resp: 349974

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

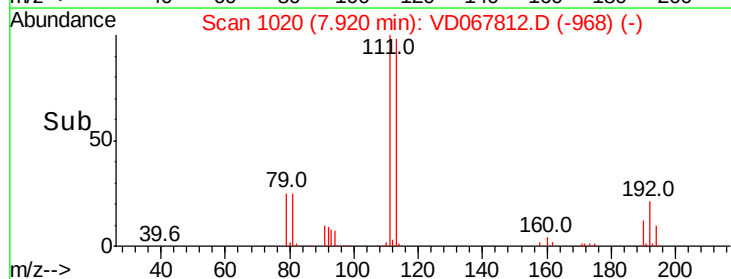
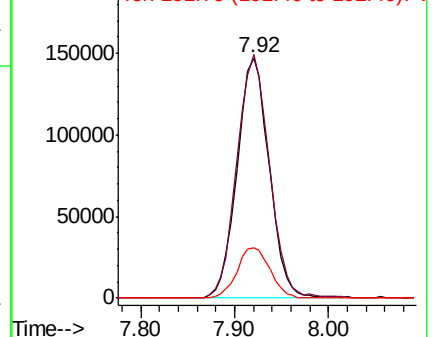
192 21.8 17.0 25.4

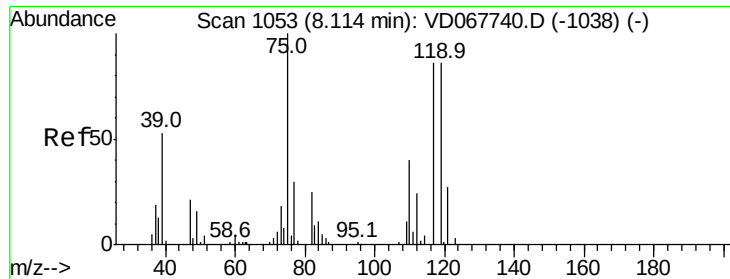


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

KENS-B3-112020-8-10RE

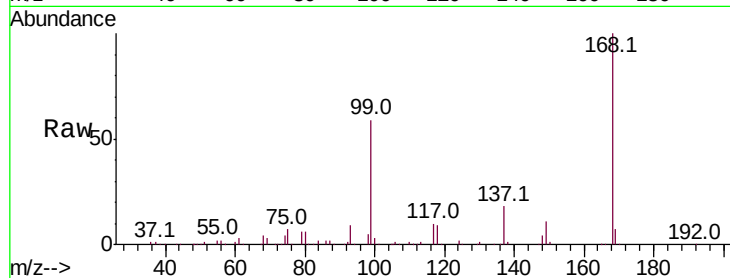
Tot Ion: 75 Resp: 46441

Ion Ratio Lower Upper

75 100

110 12.4 20.1 60.2#

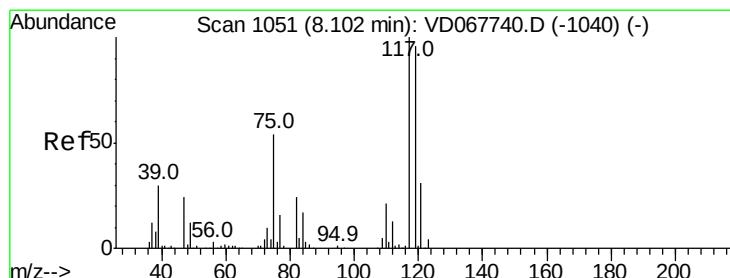
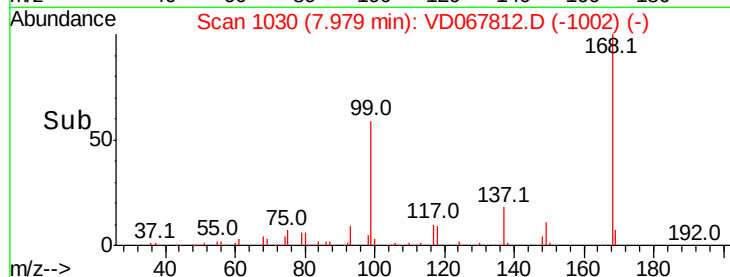
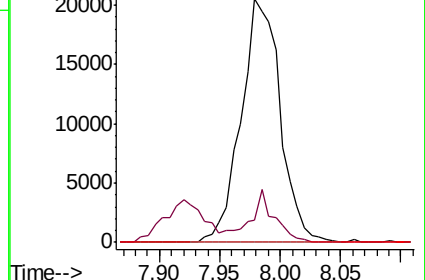
77 0.0 24.8 37.2#



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: 4.973 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

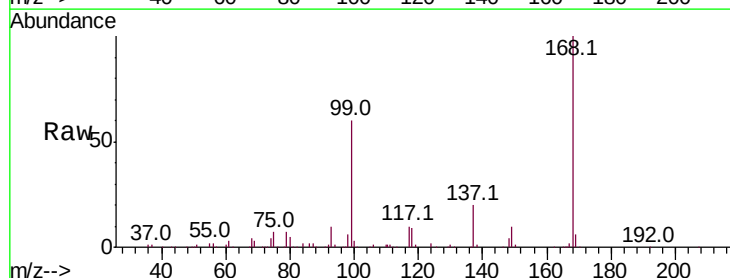
Tgt Ion: 117 Resp: 68650

Ion Ratio Lower Upper

117 100

119 6.1 76.6 115.0#

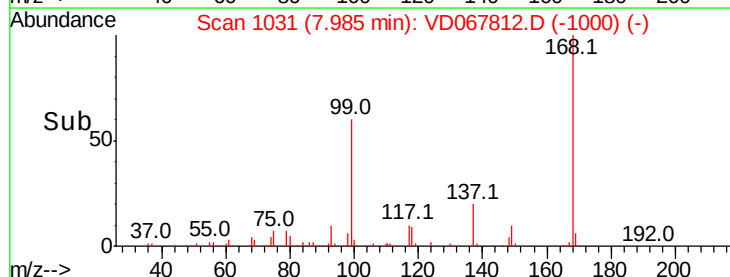
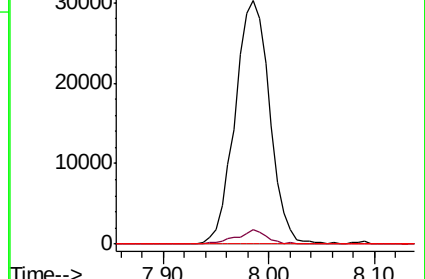
121 0.0 24.5 36.7#

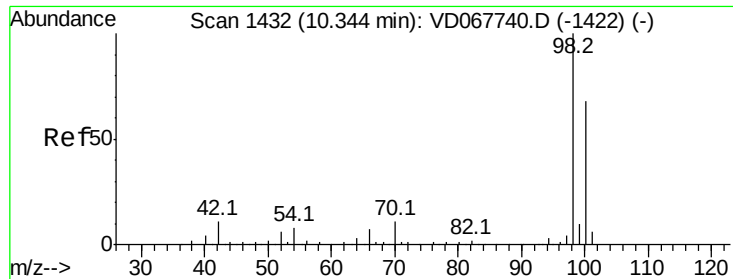


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.644 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

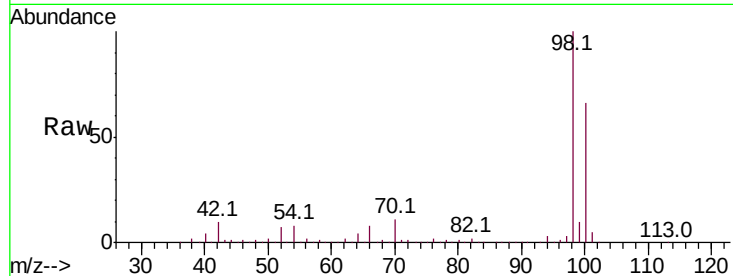
KENS-B3-112020-8-10RE

Tot Ion: 98 Resp: 1255969

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

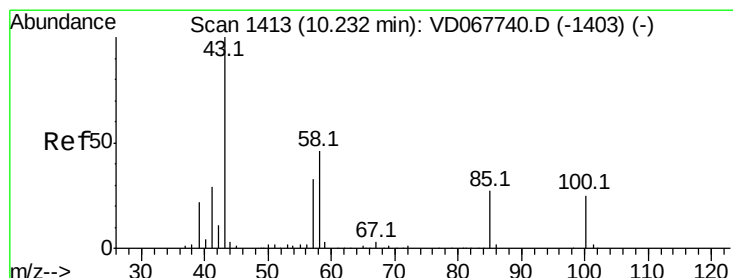
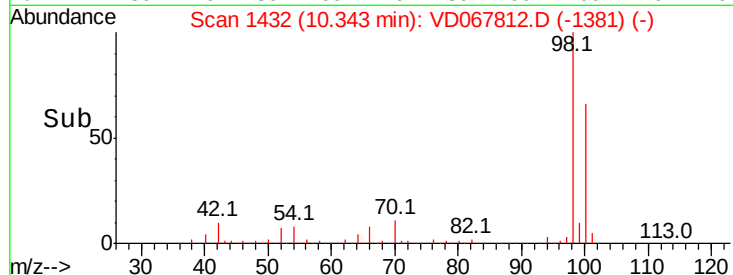
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.230 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067812.D

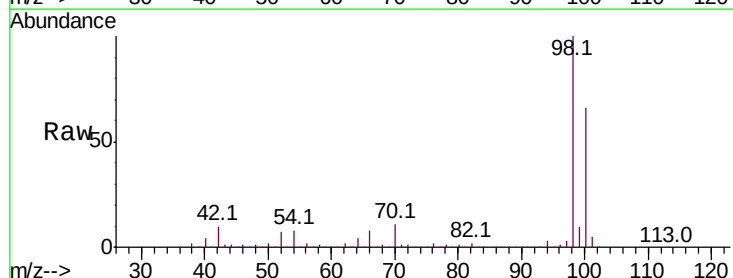
Acq: 30 Nov 2020 13:50

Tgt Ion: 43 Resp: 5365

Ion Ratio Lower Upper

43 100

58 172.0 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

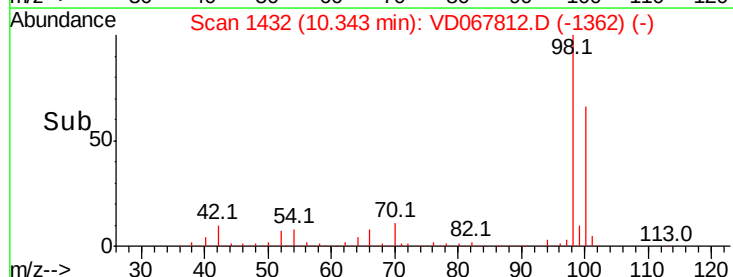
3000

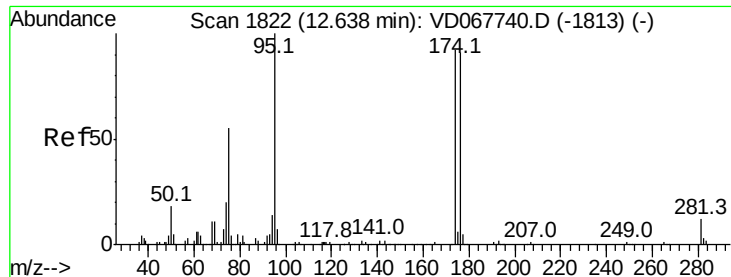
2000

1000

0

Time-->

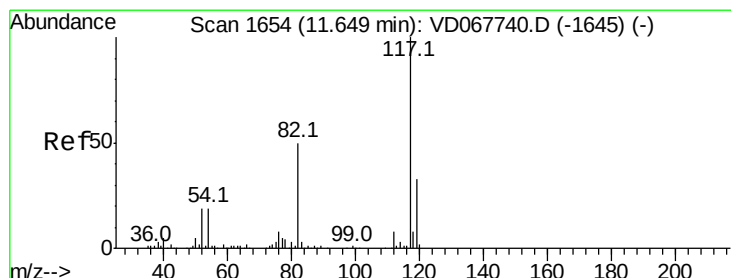
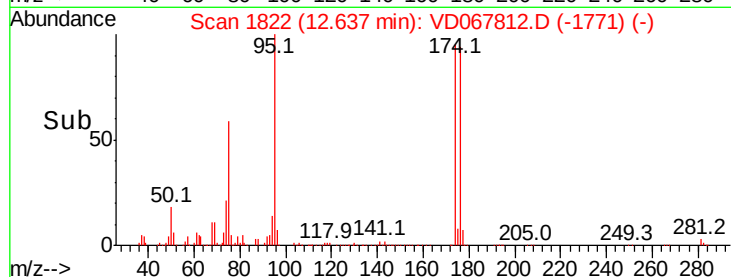
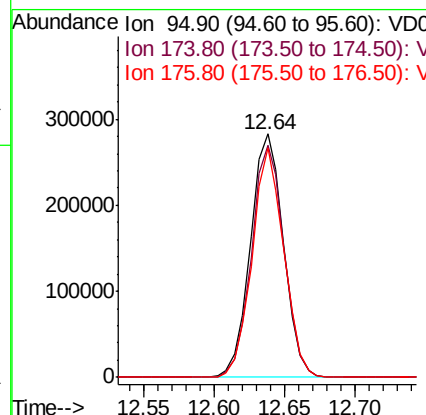
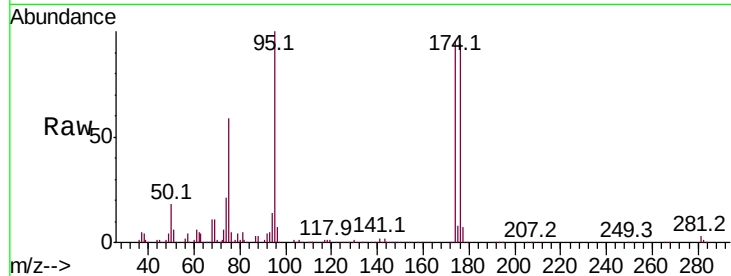




#62
4-Bromofluorobenzene
Concen: 52.626 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067812.D
Acq: 30 Nov 2020 13:50

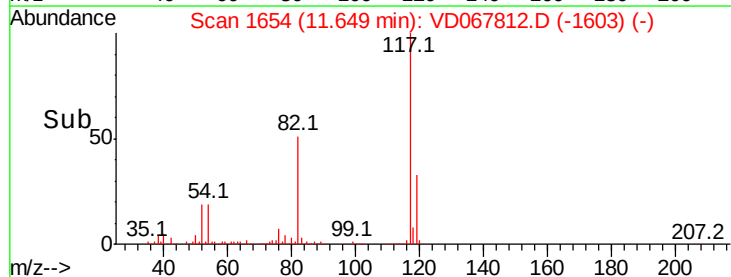
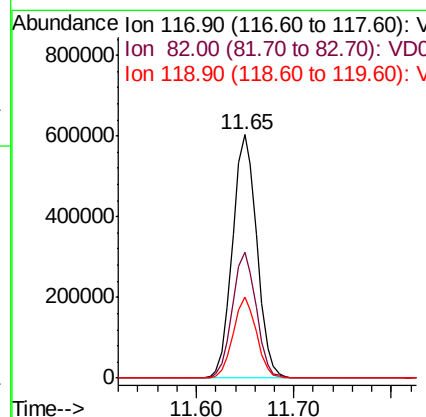
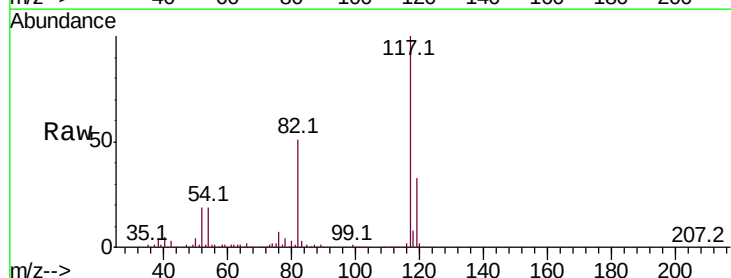
Instrument :
MSVOA_D
ClientSampleId :
KENS-B3-112020-8-10RE

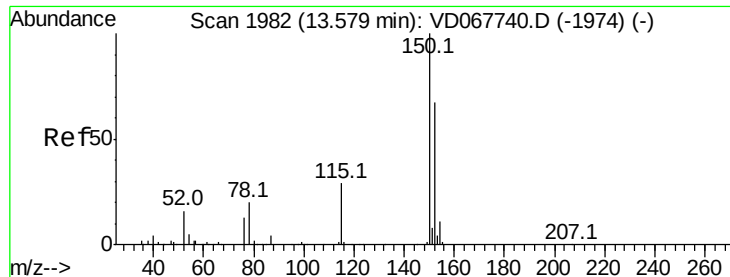
Tot Ion: 95 Resp: 464436
Ion Ratio Lower Upper
95 100
174 94.2 0.0 182.4
176 90.5 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067812.D
Acq: 30 Nov 2020 13:50

Tgt Ion: 117 Resp: 1039489
Ion Ratio Lower Upper
117 100
82 51.5 40.2 60.4
119 33.2 26.5 39.7



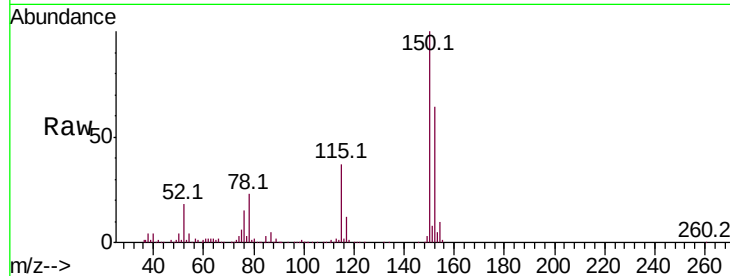


#72

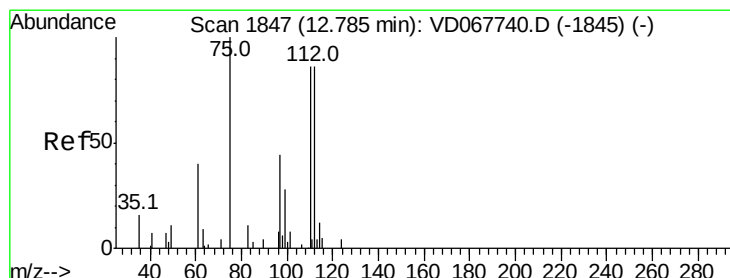
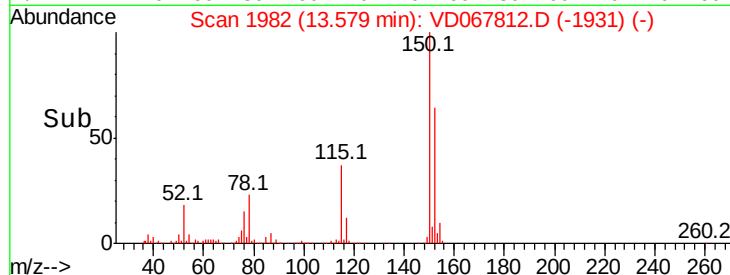
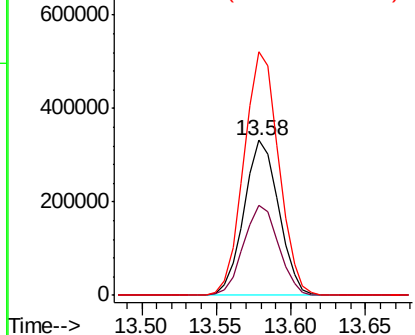
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067812.D
Acq: 30 Nov 2020 13:50

Instrument :
MSVOA_D
ClientSampleId :
KENS-B3-112020-8-10RE

Tot Ion:152 Resp: 533617
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.3
150 157.3 0.0 340.6



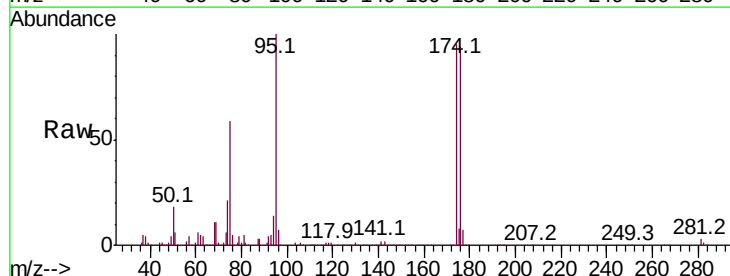
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



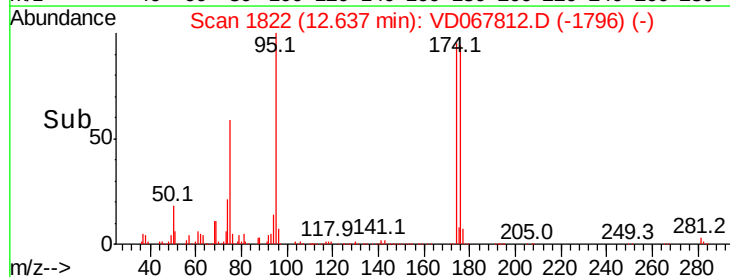
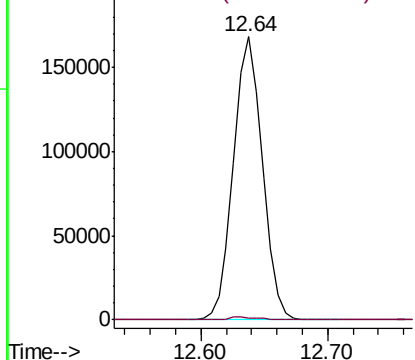
#76

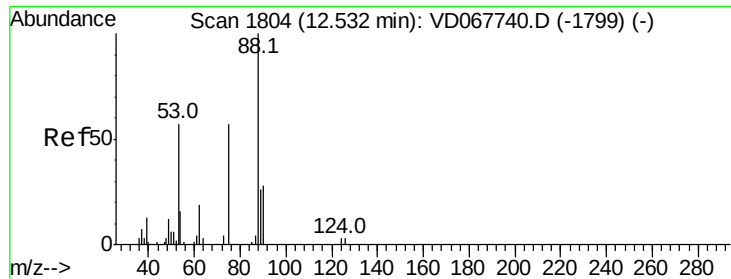
1,2,3-Trichloropropane
Concen: 71.347 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067812.D
Acq: 30 Nov 2020 13:50

Tgt Ion: 75 Resp: 265342
Ion Ratio Lower Upper
75 100
77 0.9 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: 166.874 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067812.D

Acq: 30 Nov 2020 13:50

Instrument :

MSVOA_D

ClientSampleId :

KENS-B3-112020-8-10RE

Tot Ion: 75 Resp: 265342

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

