

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067792.D
 Acq On : 25 Nov 2020 17:32
 Operator : VA/SY
 Sample : L4868-05
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-112020-BD

Quant Time: Nov 26 00:26:04 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	477471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	743916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	737014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	227224	48.94	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.88%
35) Dibromofluoromethane	7.92	113	228462	48.26	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.52%
50) Toluene-d8	10.34	98	849017	49.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.10%
62) 4-Bromofluorobenzene	12.64	95	333621	56.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.78%

Target Compounds

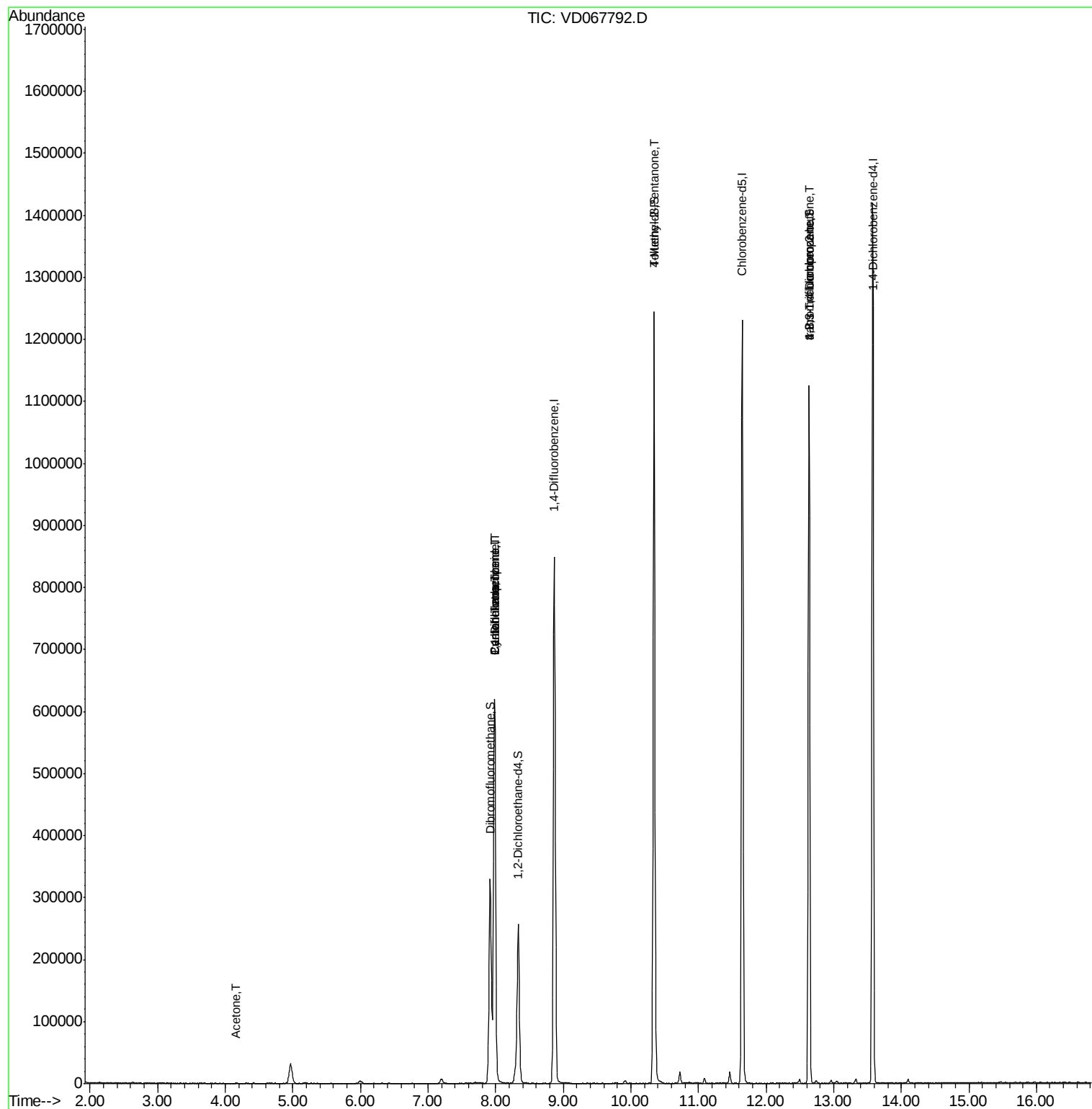
					Qvalue	
11) Tert butyl alcohol	5.21	59	537	Below Cal	#	87
16) Acetone	4.15	43	643	1.072	ug/l #	40
20) Methylene Chloride	4.97	84	26968	Below Cal		93
31) Cyclohexane	7.98	56	8925	1.589	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	32500	5.091	ug/l #	52
38) Carbon Tetrachloride	7.98	117	48391	5.230	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2868	1.778	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	186537	69.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	186537	162.497	ug/l #	11

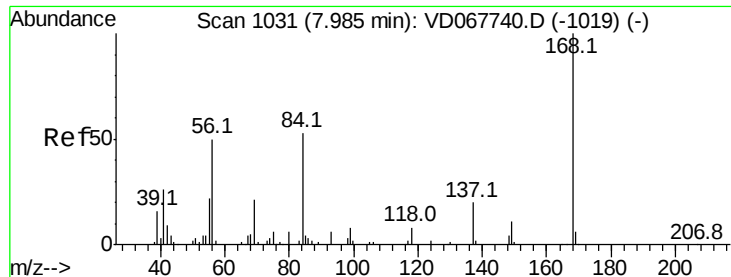
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112520\
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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: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

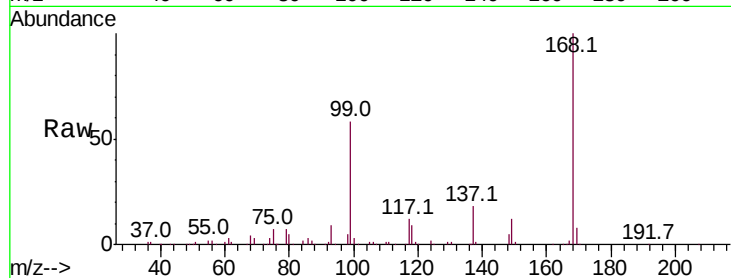
KENS-112020-BD

Tot Ion:168 Resp: 477471

Ion Ratio Lower Upper

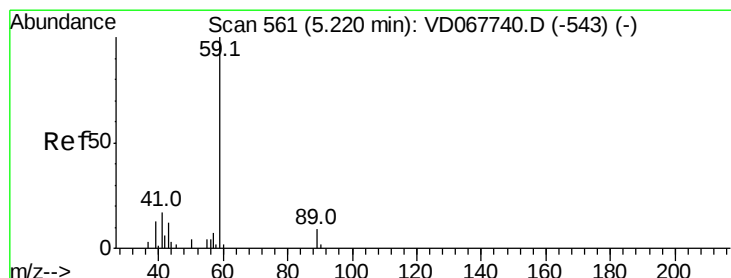
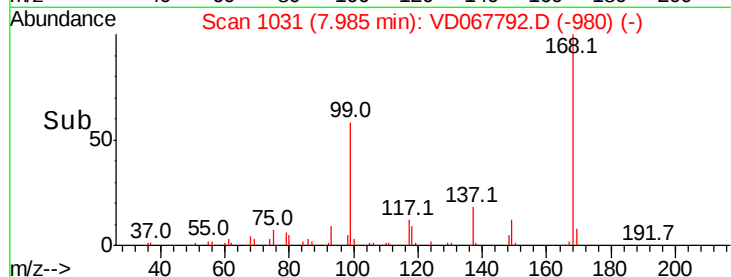
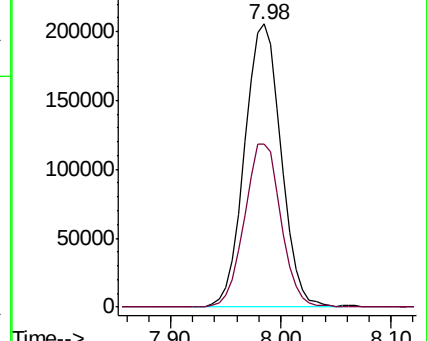
168 100

99 57.8 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: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067792.D

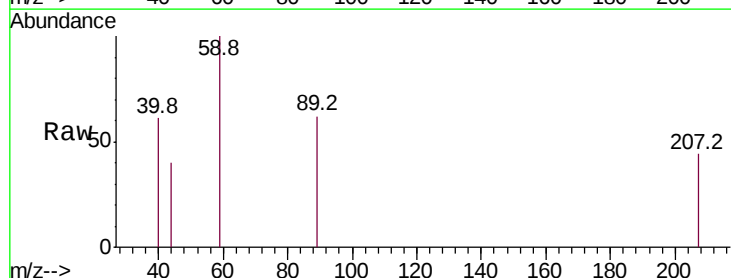
Acq: 25 Nov 2020 17:32

Tgt Ion: 59 Resp: 537

Ion Ratio Lower Upper

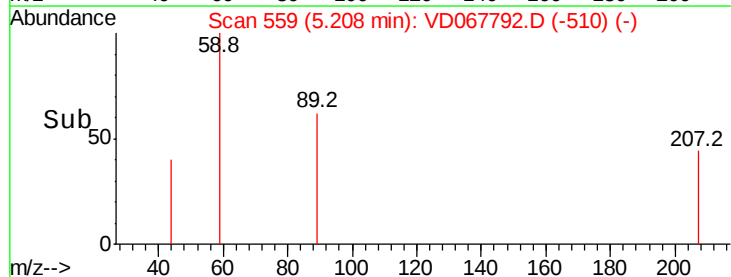
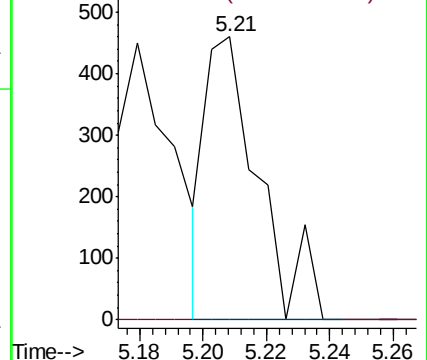
59 100

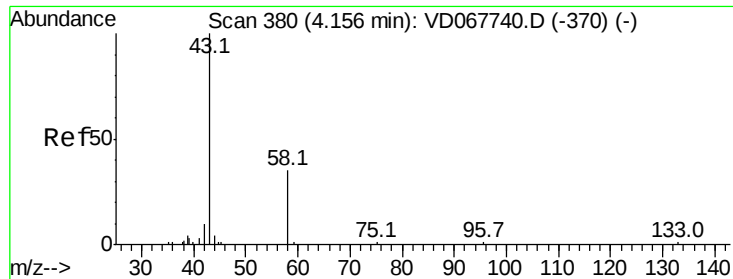
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.072 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

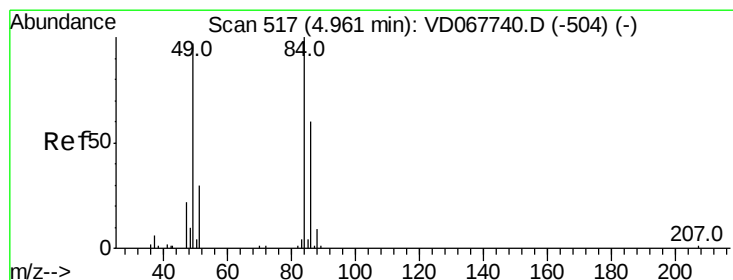
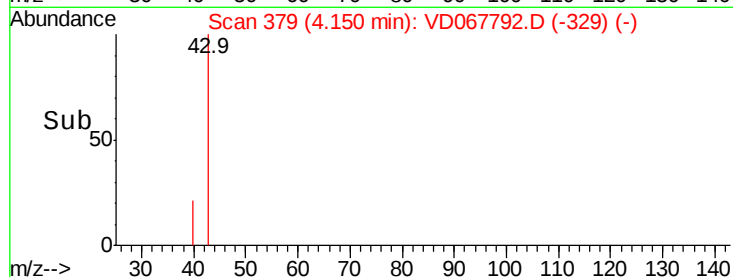
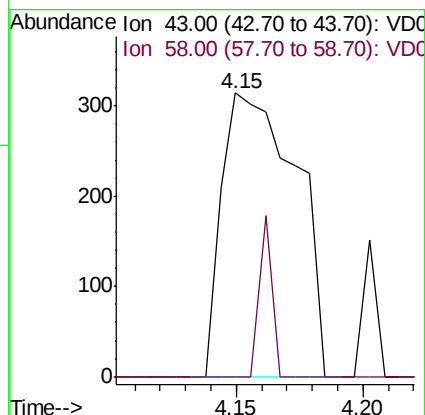
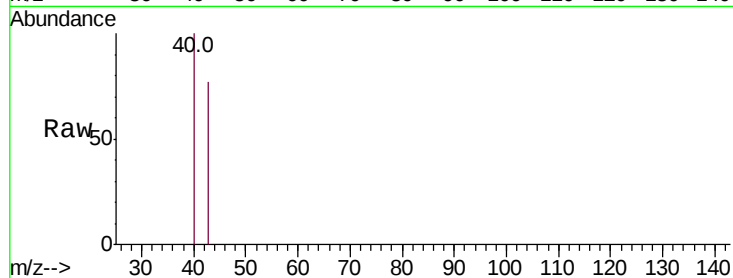
KENS-112020-BD

Tot Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Tgt Ion: 84 Resp: 26968

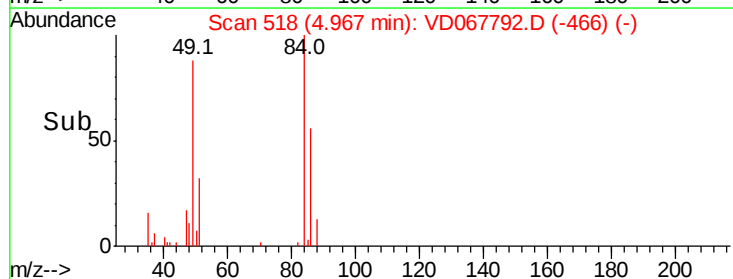
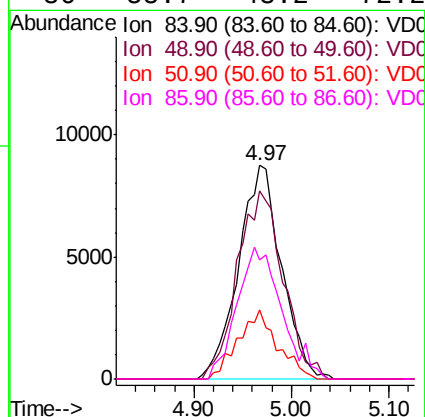
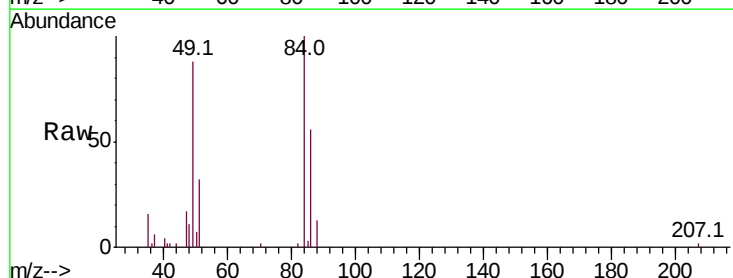
Ion Ratio Lower Upper

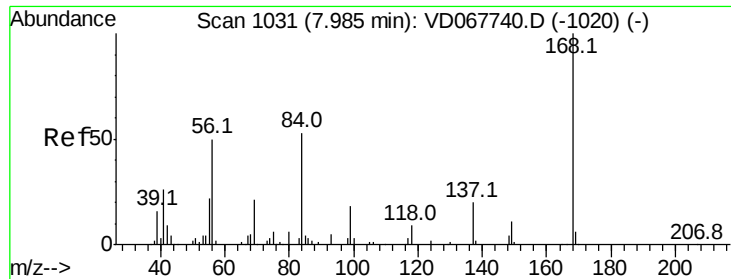
84 100

49 88.1 77.4 116.2

51 32.3 24.1 36.1

86 55.7 48.2 72.2

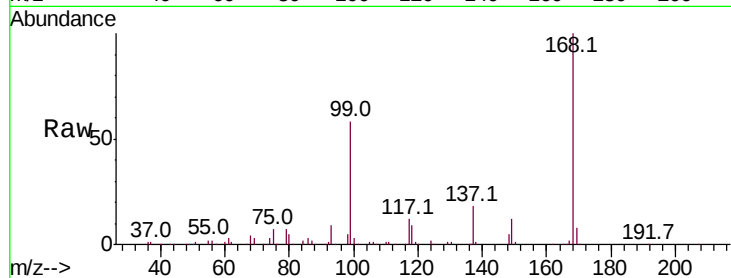




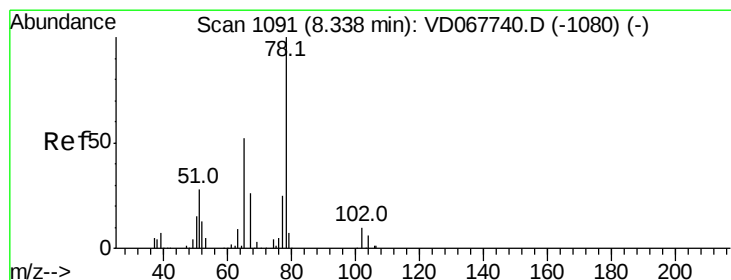
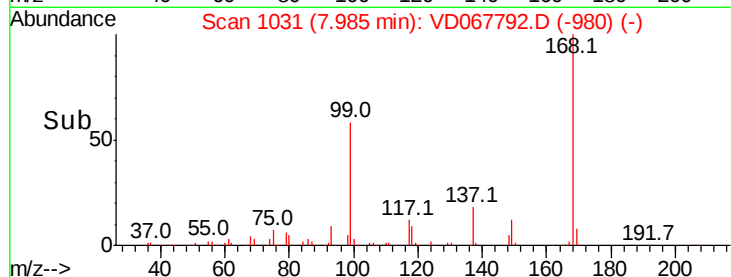
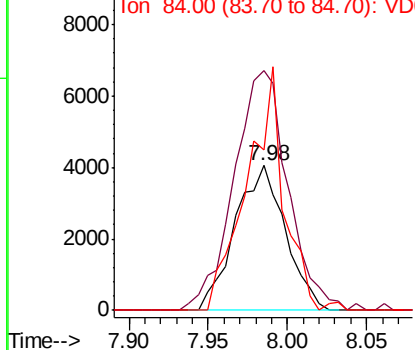
#31
Cyclohexane
Concen: 1.589 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067792.D
Acq: 25 Nov 2020 17:32

Instrument :
MSVOA_D
ClientSampleId :
KENS-112020-BD

Tot Ion: 56 Resp: 8925
Ion Ratio Lower Upper
56 100
69 161.1 33.2 49.8#
84 111.2 84.8 127.2

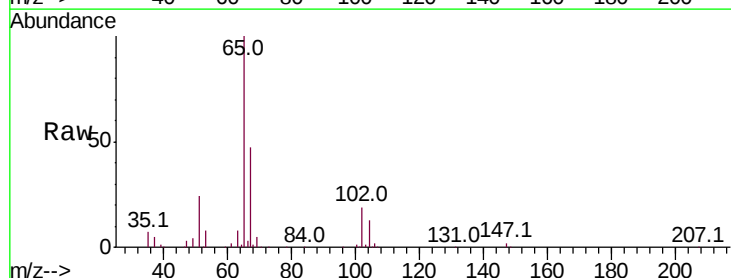


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

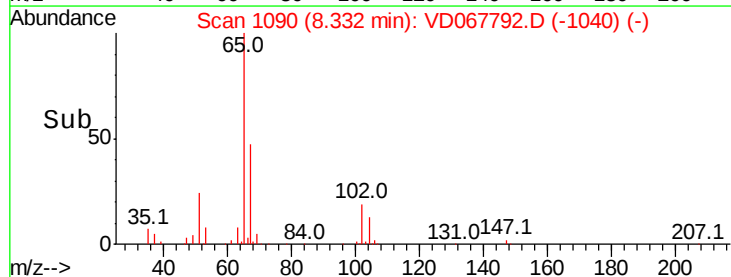
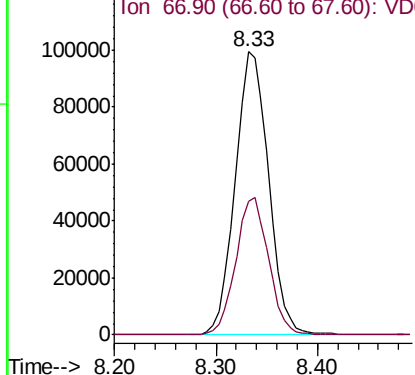


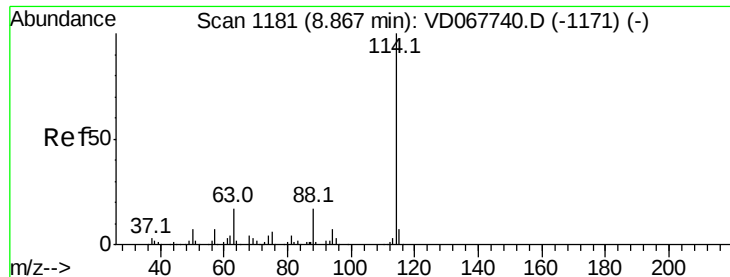
#33
1,2-Dichloroethane-d4
Concen: 48.944 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067792.D
Acq: 25 Nov 2020 17:32

Tgt Ion: 65 Resp: 227224
Ion Ratio Lower Upper
65 100
67 47.3 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: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-112020-BD

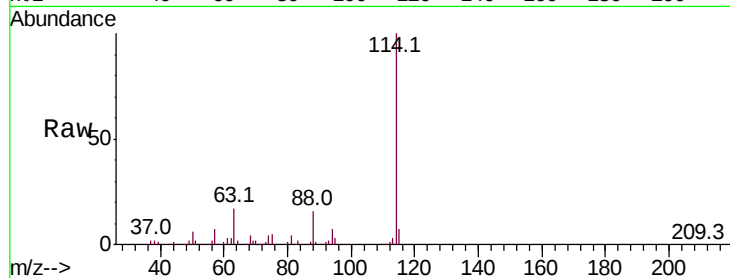
Tot Ion:114 Resp: 743916

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.8

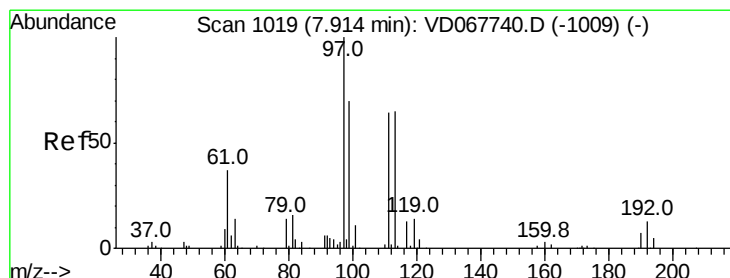
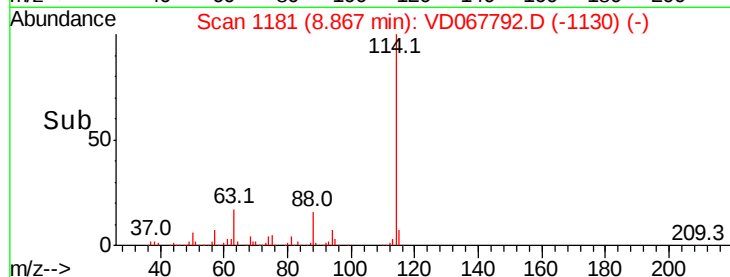
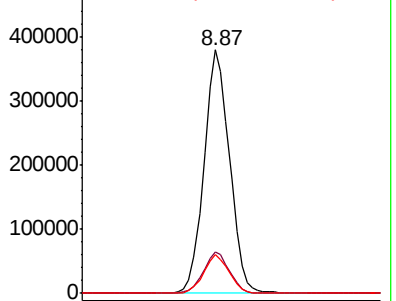
88 15.8 0.0 34.4



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: 48.257 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

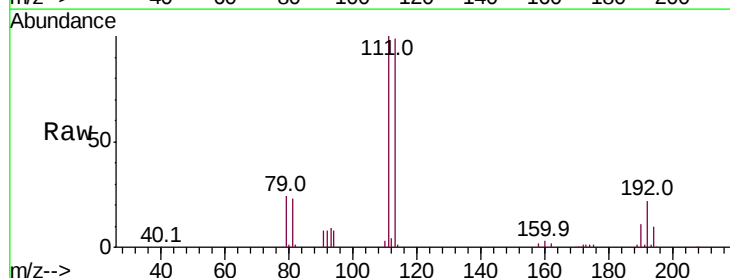
Tgt Ion:113 Resp: 228462

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

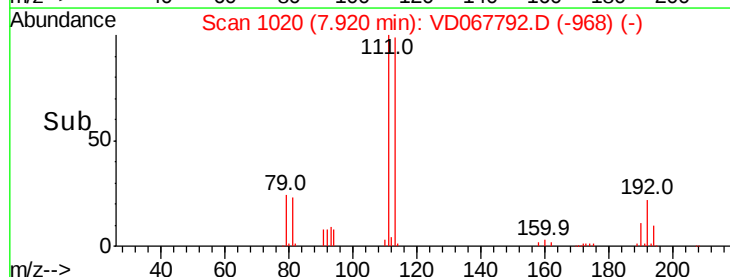
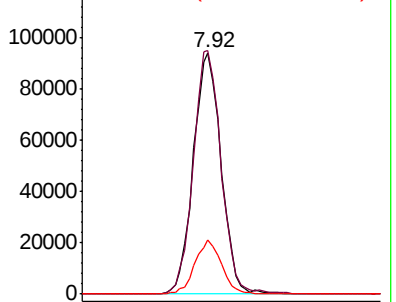
192 21.3 17.0 25.4

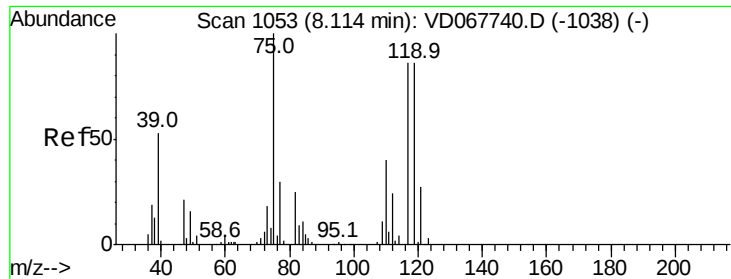


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

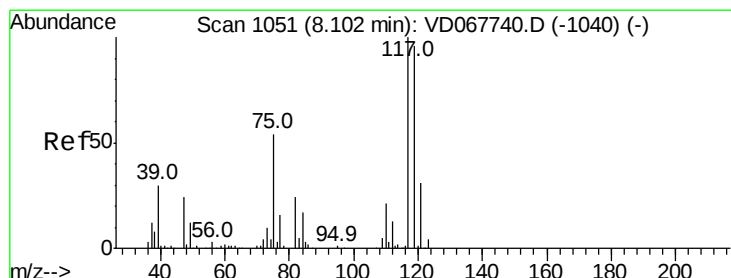
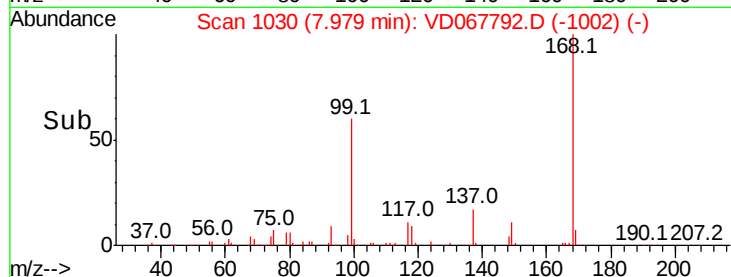
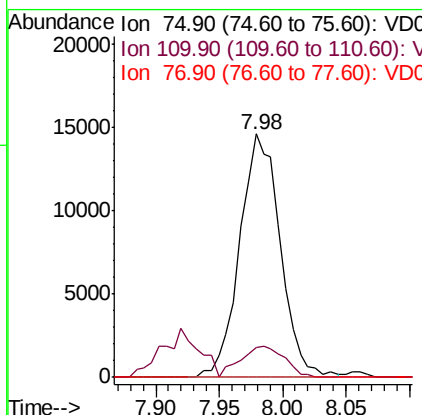
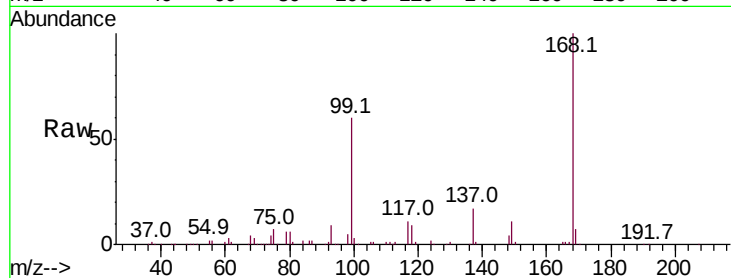




#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067792.D
 Acq: 25 Nov 2020 17:32

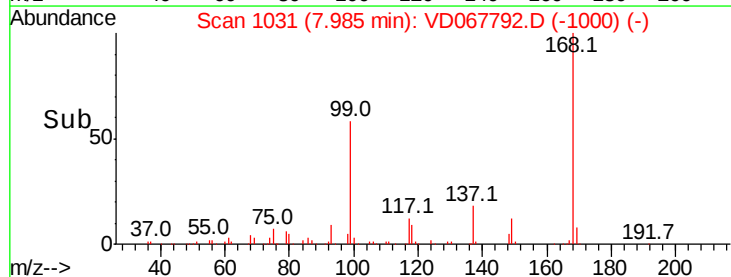
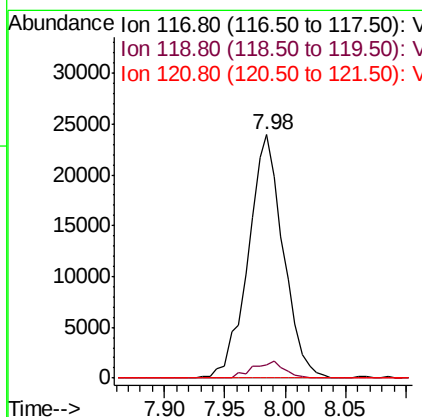
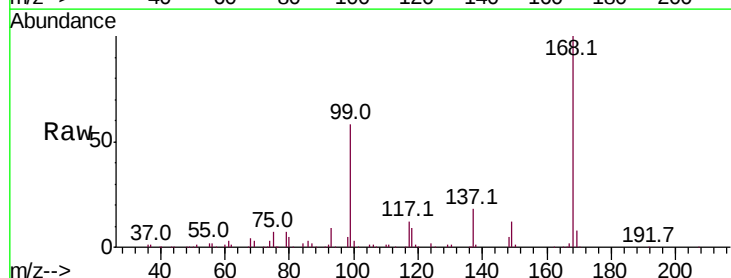
Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-112020-BD

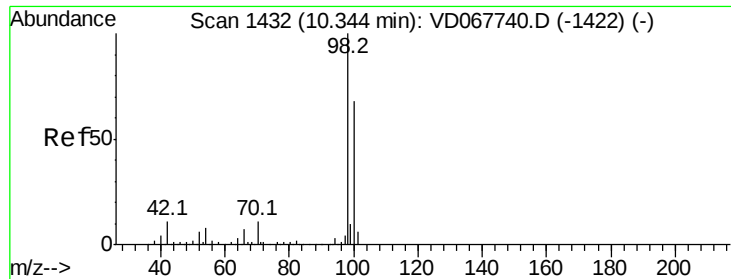
Tot Ion: 75 Resp: 32500
 Ion Ratio Lower Upper
 75 100
 110 13.9 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.230 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067792.D
 Acq: 25 Nov 2020 17:32

Tgt Ion: 117 Resp: 48391
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.051 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

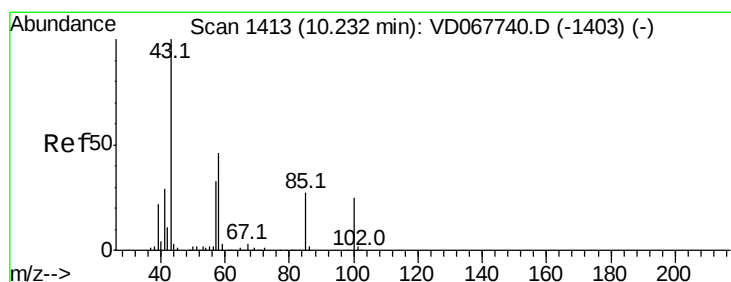
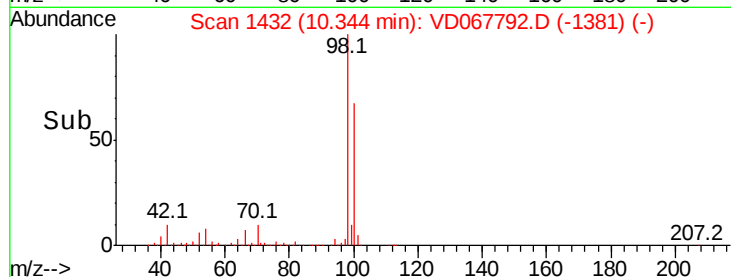
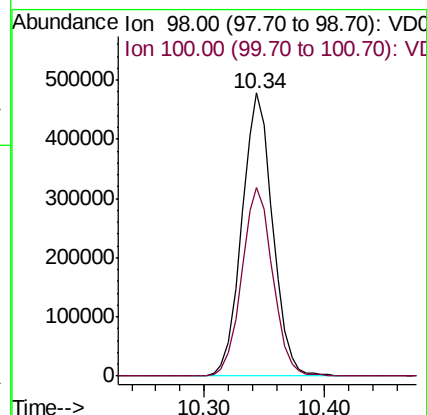
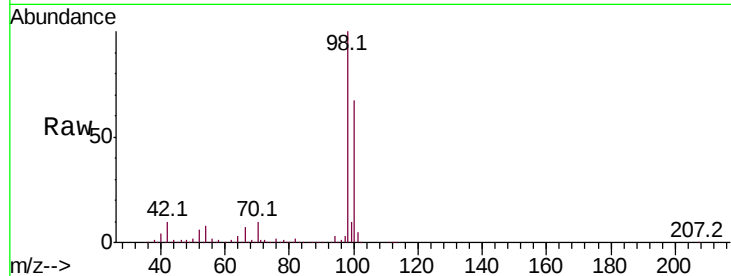
KENS-112020-BD

Tot Ion: 98 Resp: 849017

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.778 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067792.D

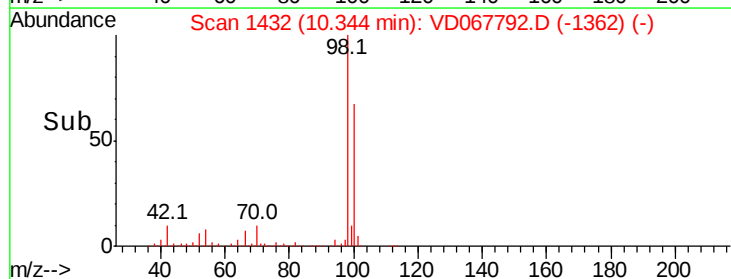
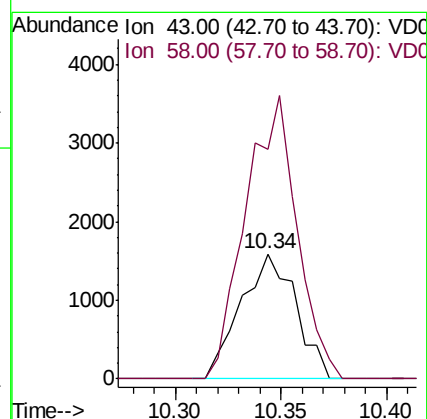
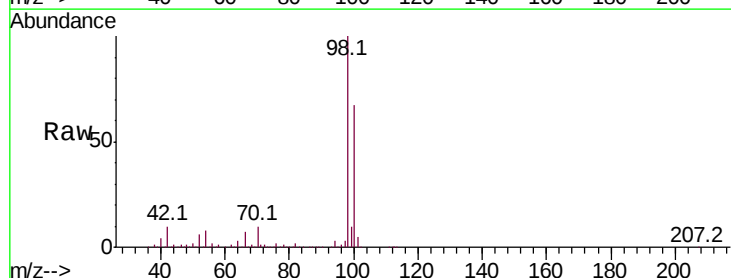
Acq: 25 Nov 2020 17:32

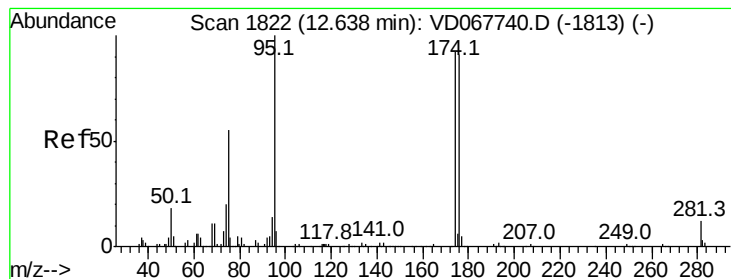
Tgt Ion: 43 Resp: 2868

Ion Ratio Lower Upper

43 100

58 212.4 34.7 52.1#





#62

4-Bromofluorobenzene

Concen: 56.391 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-112020-BD

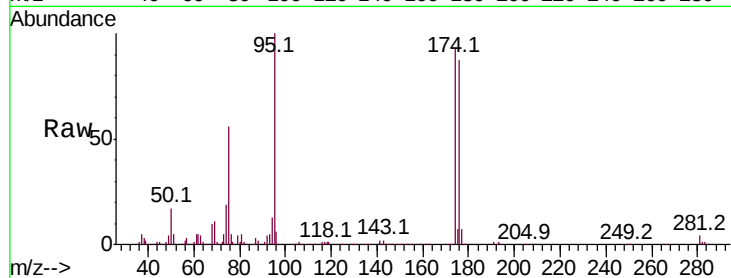
Tot Ion: 95 Resp: 333621

Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.4

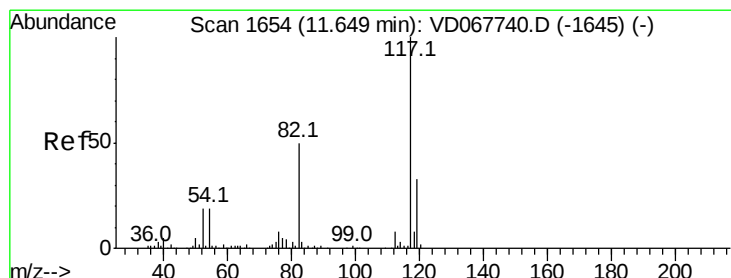
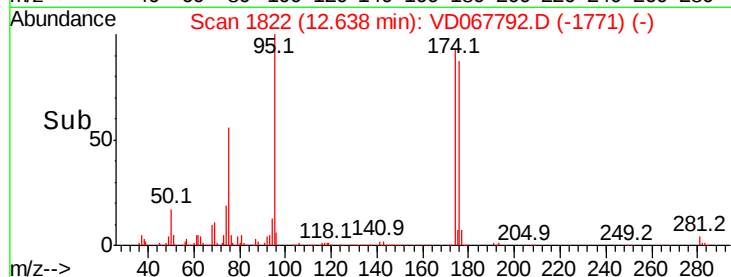
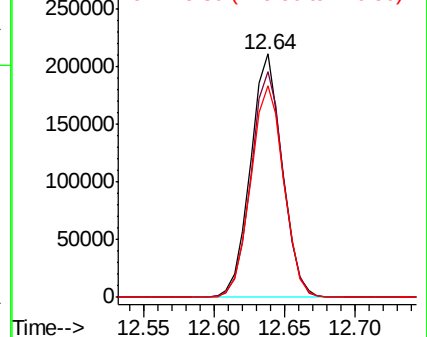
176 89.9 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): V

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. -0.00 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

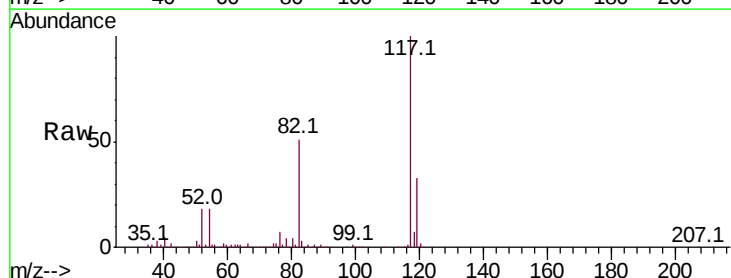
Tgt Ion: 117 Resp: 737014

Ion Ratio Lower Upper

117 100

82 50.7 40.2 60.4

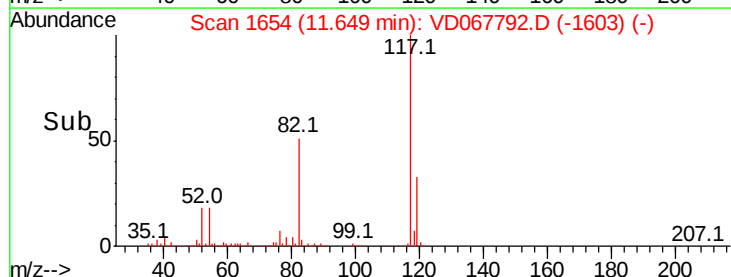
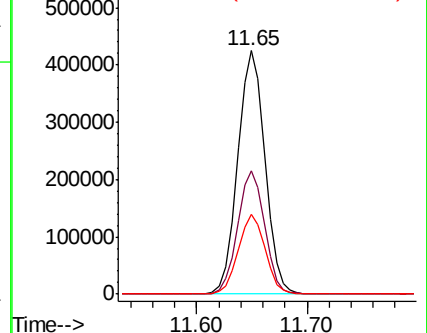
119 32.7 26.5 39.7

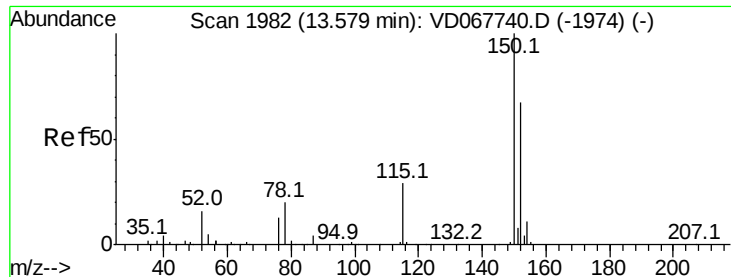


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-112020-BD

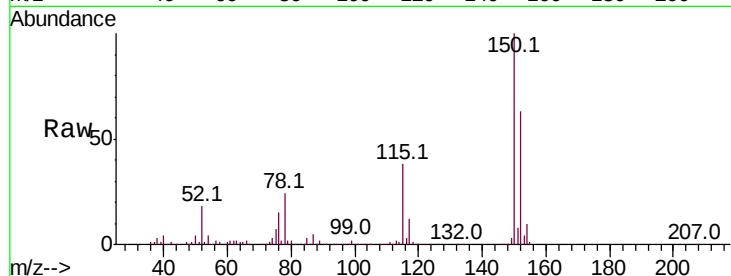
Tot Ion:152 Resp: 385242

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.3

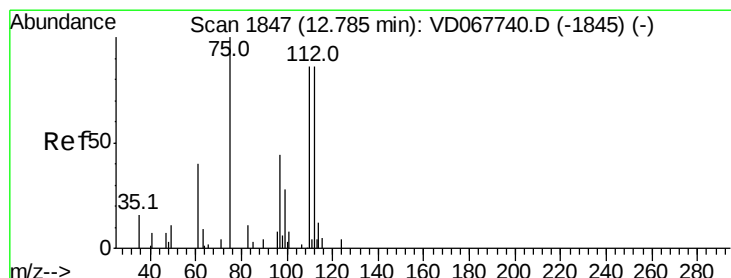
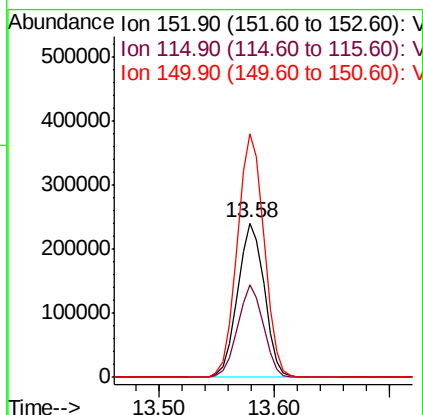
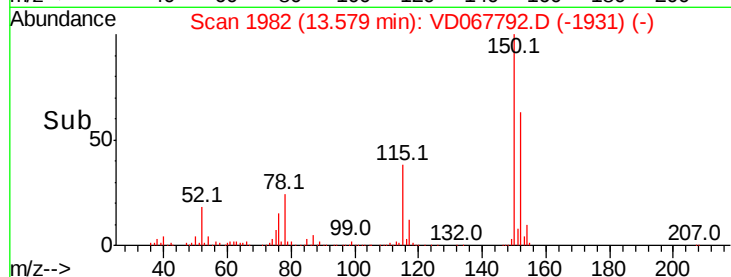
150 158.5 0.0 340.6



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: 69.475 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067792.D

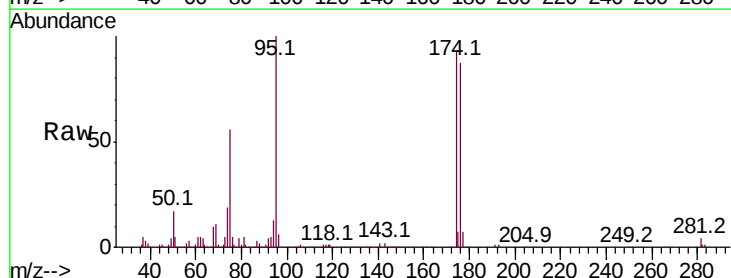
Acq: 25 Nov 2020 17:32

Tgt Ion: 75 Resp: 186537

Ion Ratio Lower Upper

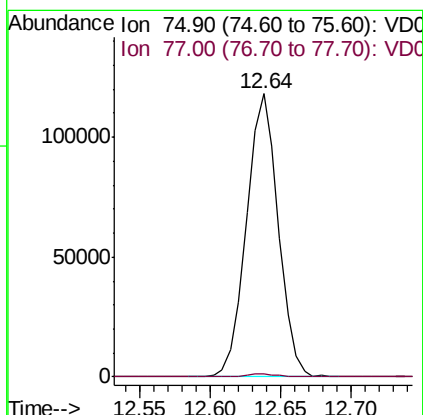
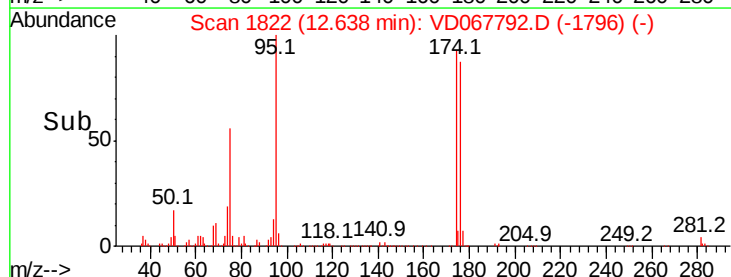
75 100

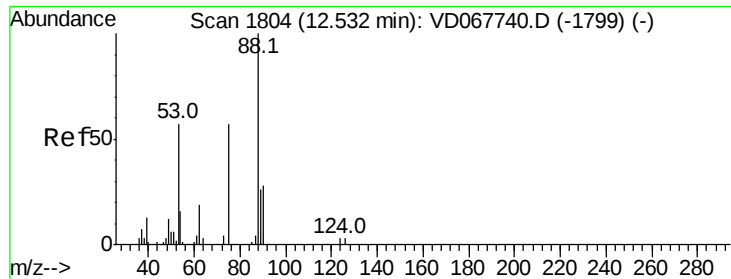
77 1.0 0.0 0.0#



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: 162.497 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067792.D

Acq: 25 Nov 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-112020-BD

Tot Ion: 75 Resp: 186537

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

