

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067816.D
 Acq On : 30 Nov 2020 16:06
 Operator : VA/SY
 Sample : L4880-01
 Misc : 4.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2

Quant Time: Dec 01 00:17:02 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	186169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	283668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	253764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	119340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	94087	51.98	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.96%
35) Dibromofluoromethane	7.92	113	84777	46.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.92%
50) Toluene-d8	10.34	98	301392	45.66	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.32%
62) 4-Bromofluorobenzene	12.64	95	96268	42.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.34%

Target Compounds

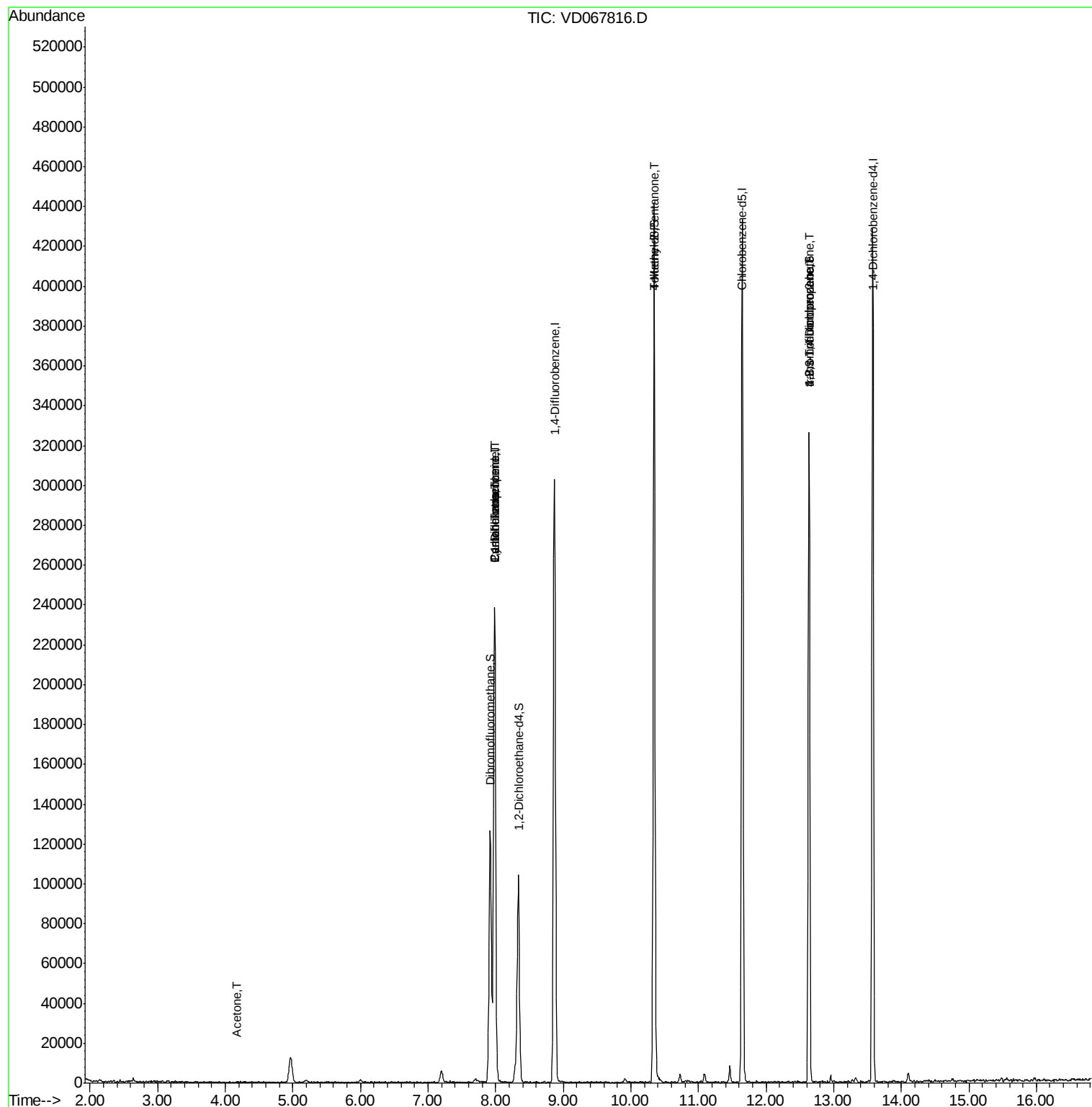
					Qvalue	
11) Tert butyl alcohol	5.19	59	261	Below Cal	#	87
16) Acetone	4.17	43	361	1.544	ug/l #	40
20) Methylene Chloride	4.96	84	5845	Below Cal	#	92
31) Cyclohexane	7.98	56	3690	1.685	ug/l #	46
36) 1,1-Dichloropropene	7.98	75	12480	5.127	ug/l #	49
38) Carbon Tetrachloride	7.98	117	19607	5.557	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1076	1.749	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	51410	61.810	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51410	144.569	ug/l #	11

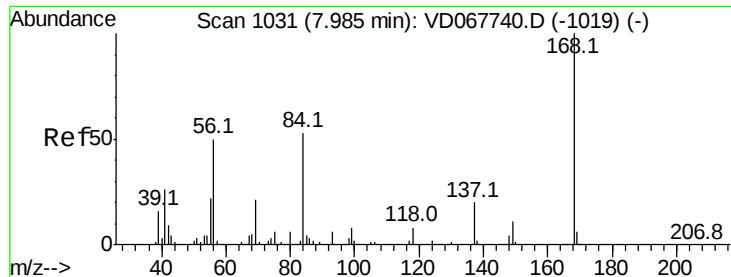
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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KENS-B4-112320-0-2

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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: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

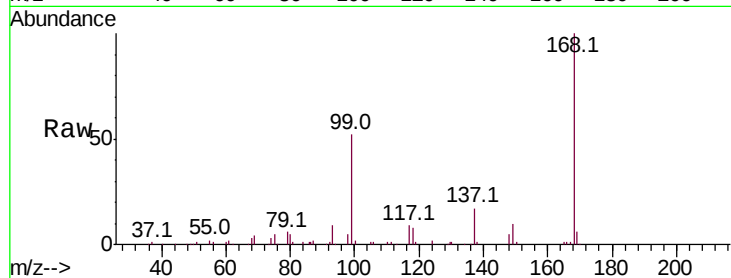
KENS-B4-112320-0-2

Tot Ion:168 Resp: 186169

Ion Ratio Lower Upper

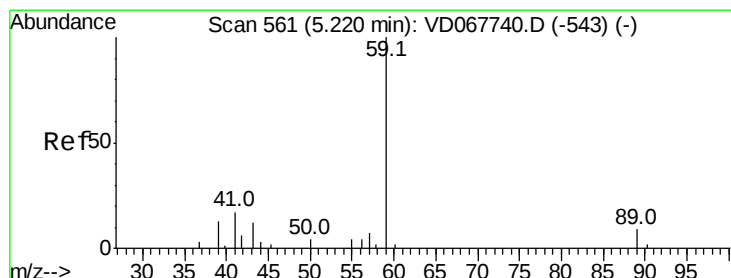
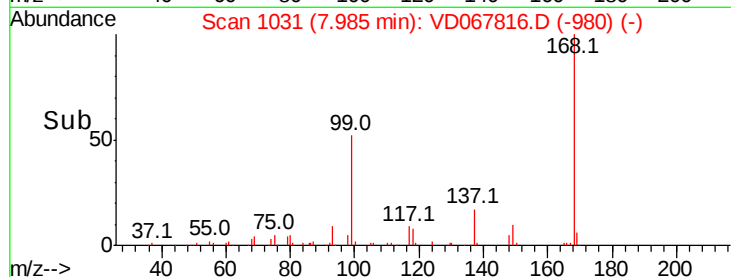
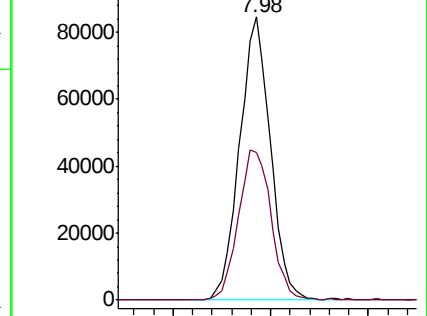
168 100

99 52.3 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: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067816.D

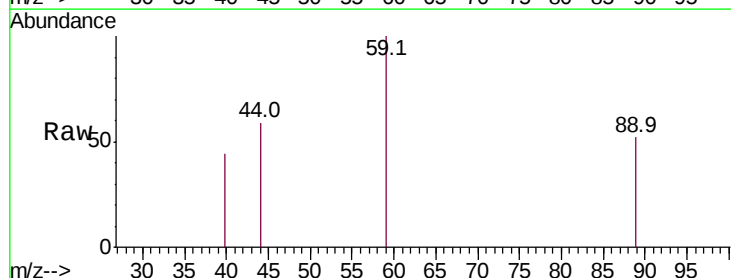
Acq: 30 Nov 2020 16:06

Tgt Ion: 59 Resp: 261

Ion Ratio Lower Upper

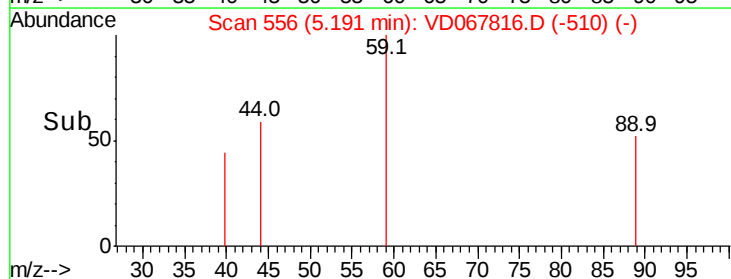
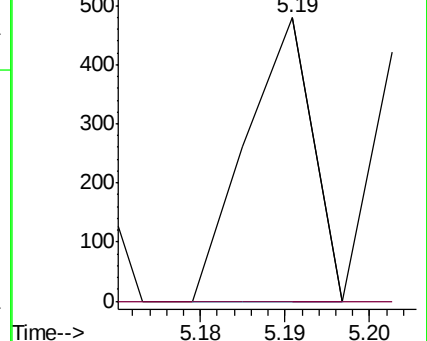
59 100

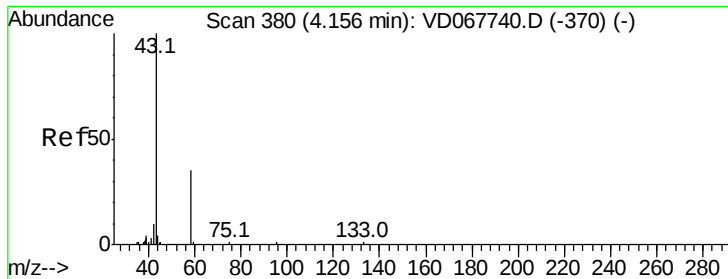
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.544 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

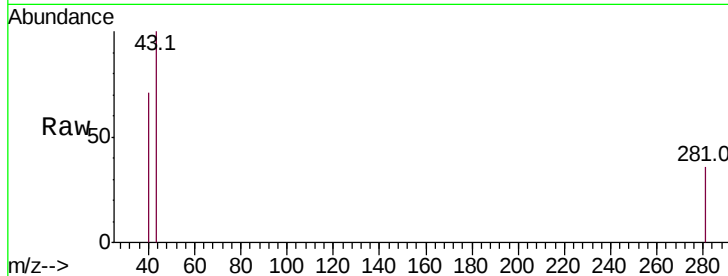
KENS-B4-112320-0-2

Tot Ion: 43 Resp: 361

Ion Ratio Lower Upper

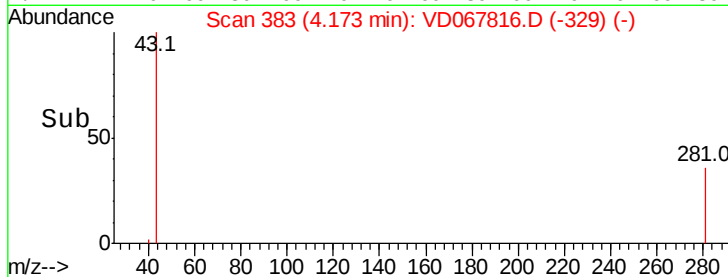
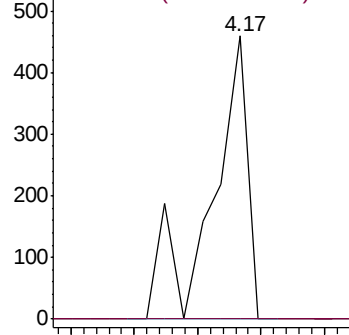
43 100

58 0.0 27.6 41.4#

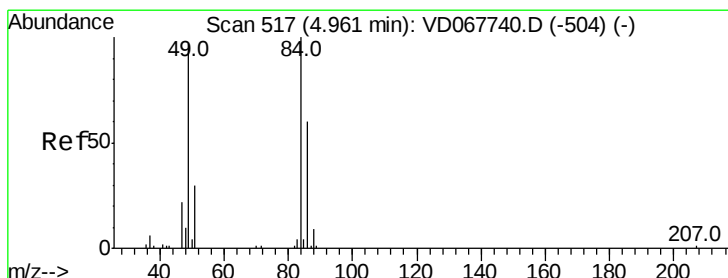


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Tgt Ion: 84 Resp: 5845

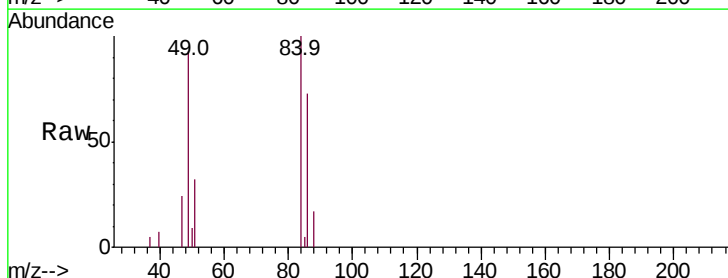
Ion Ratio Lower Upper

84 100

49 93.3 77.4 116.2

51 31.8 24.1 36.1

86 72.6 48.2 72.2#

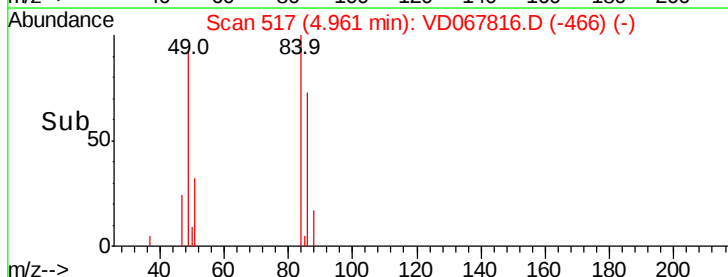
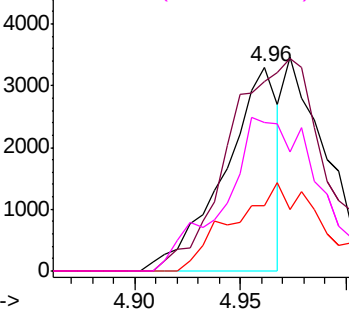


Abundance Ion 83.90 (83.60 to 84.60): VDC

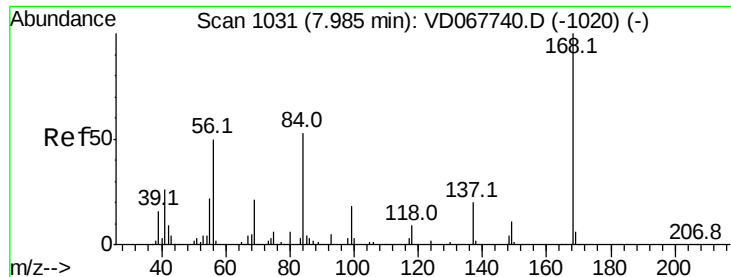
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



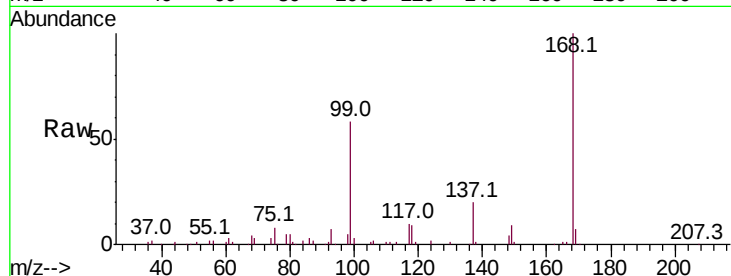
Time-->



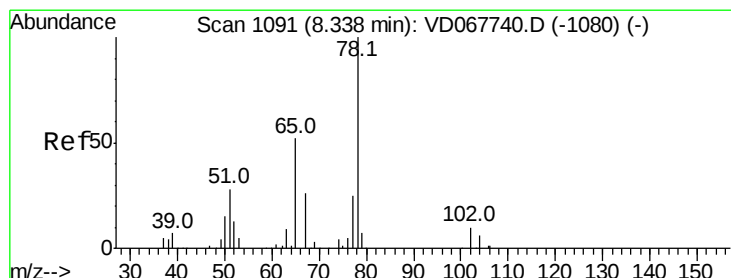
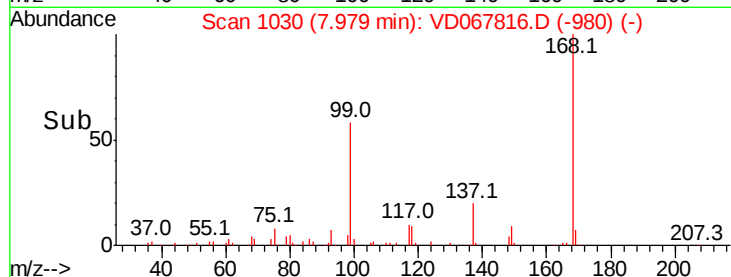
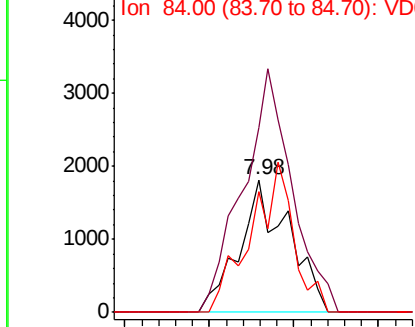
#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067816.D
Acq: 30 Nov 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2

Tot Ion: 56 Resp: 3690
Ion Ratio Lower Upper
56 100
69 139.5 33.2 49.8#
84 91.6 84.8 127.2

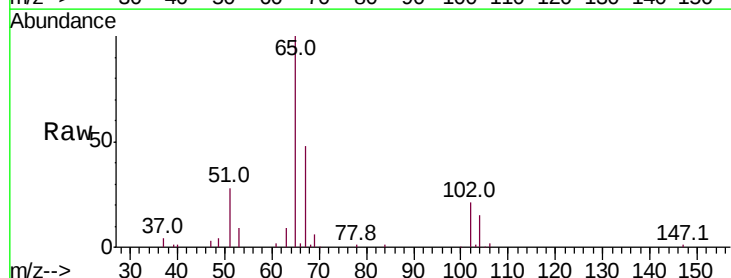


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

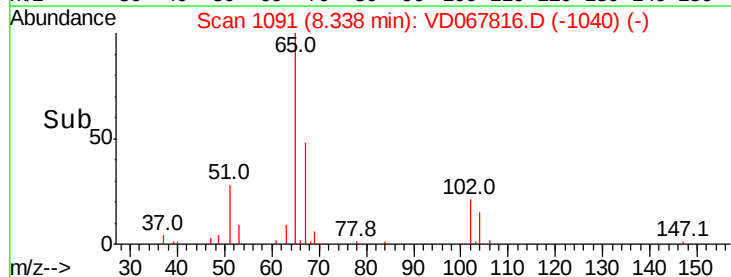
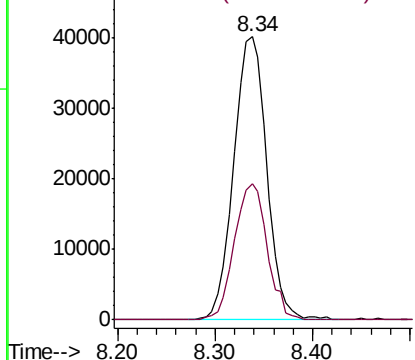


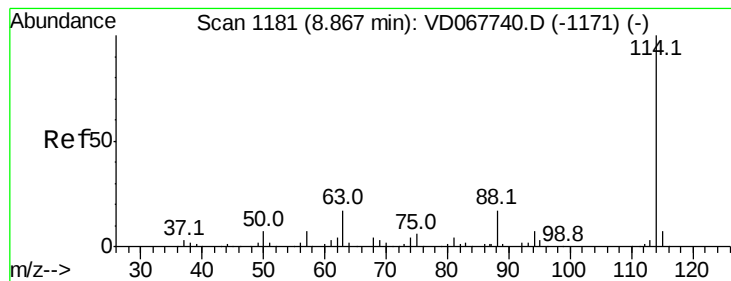
#33
1,2-Dichloroethane-d4
Concen: 51.978 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067816.D
Acq: 30 Nov 2020 16:06

Tgt Ion: 65 Resp: 94087
Ion Ratio Lower Upper
65 100
67 47.7 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# 1182

Delta R.T. 0.01 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2

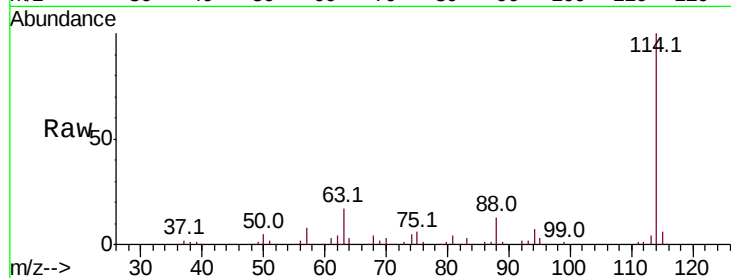
Tot Ion:114 Resp: 283668

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

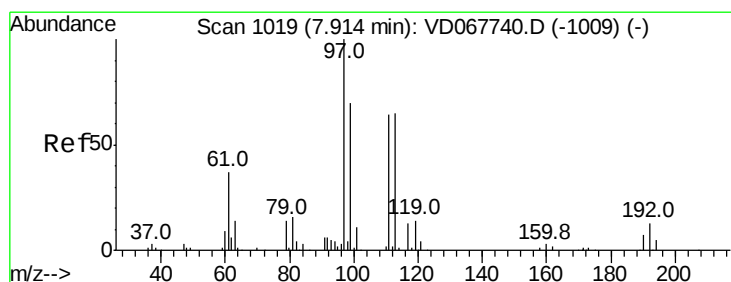
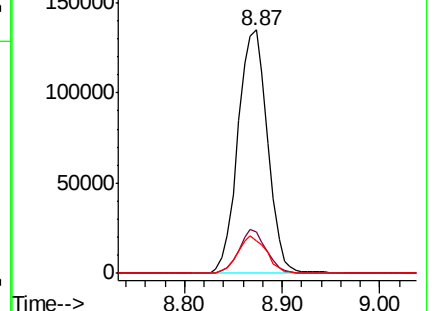
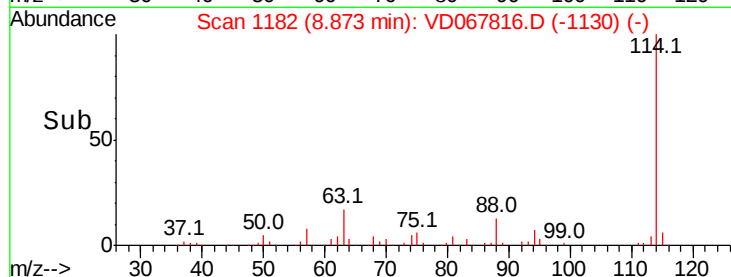
88 13.5 0.0 34.4



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: 46.961 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

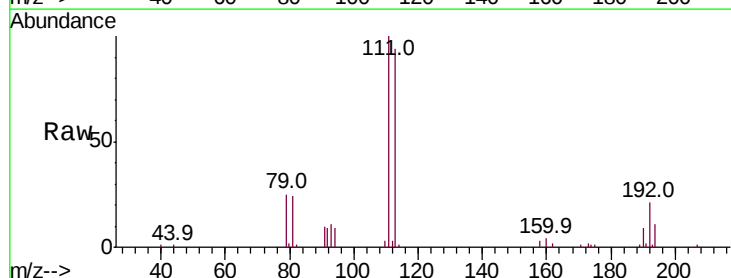
Tgt Ion:113 Resp: 84777

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

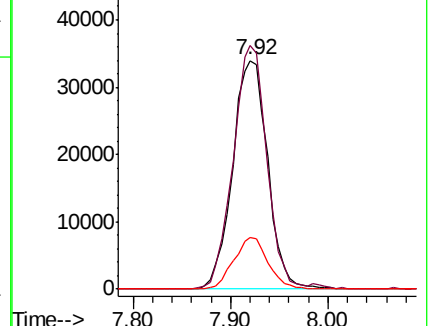
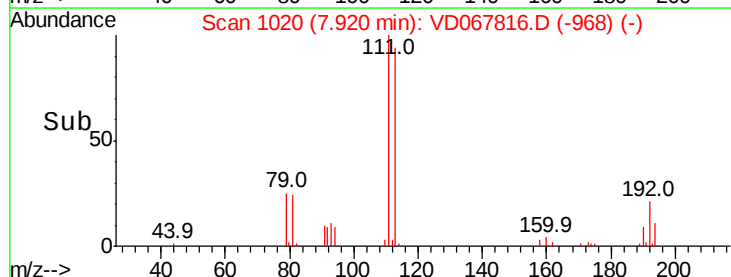
192 21.9 17.0 25.4

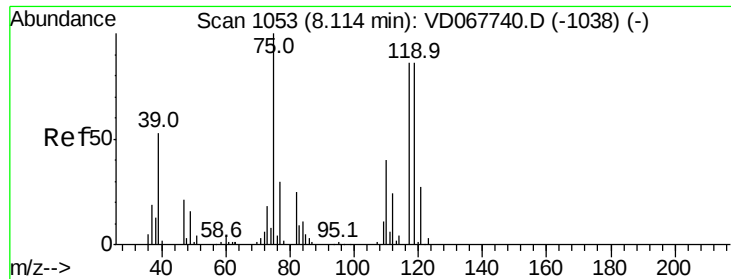


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2

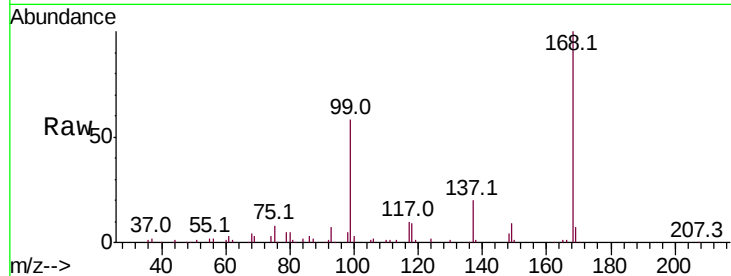
Tot Ion: 75 Resp: 12480

Ion Ratio Lower Upper

75 100

110 11.1 20.1 60.2#

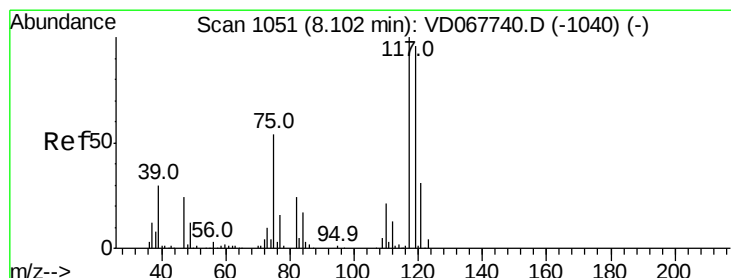
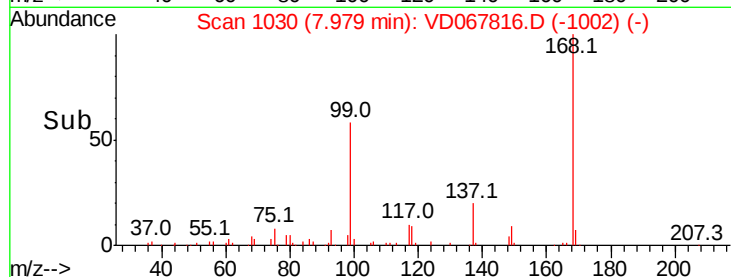
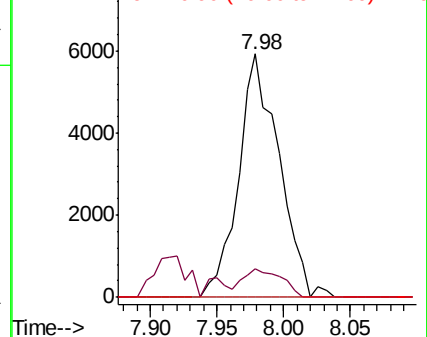
77 0.0 24.8 37.2#



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: 5.557 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

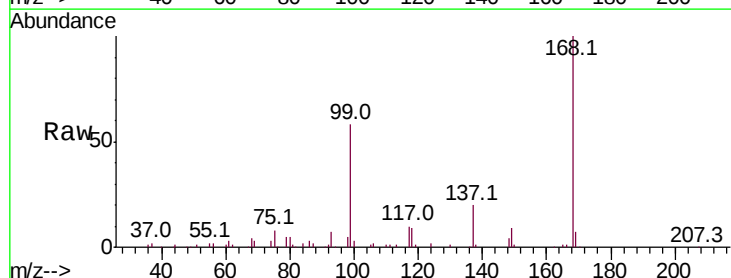
Tgt Ion: 117 Resp: 19607

Ion Ratio Lower Upper

117 100

119 5.0 76.6 115.0#

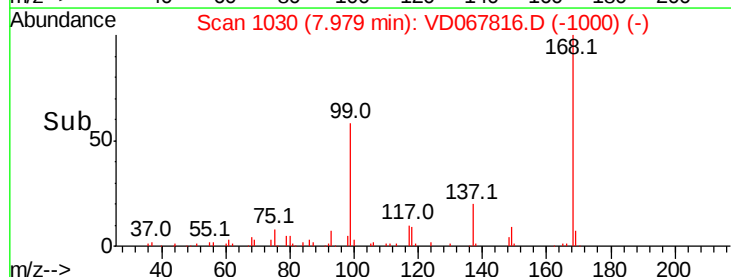
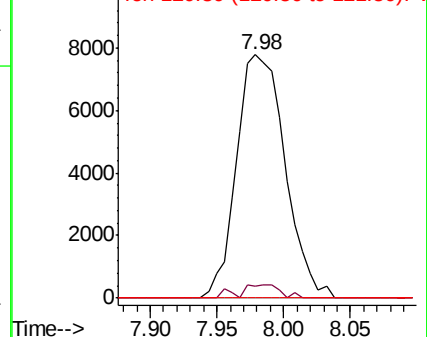
121 0.0 24.5 36.7#

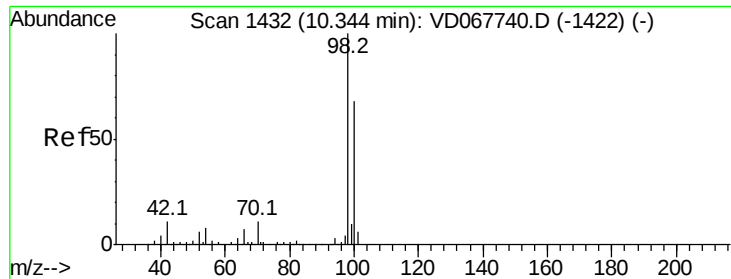


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 45.664 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

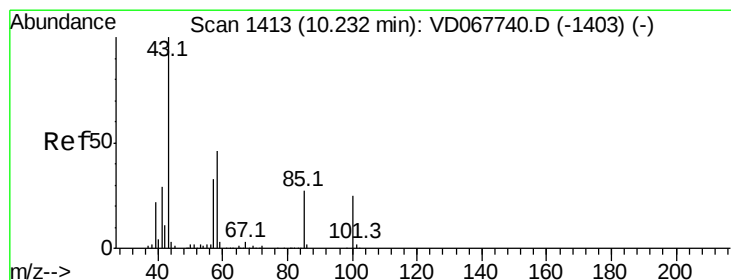
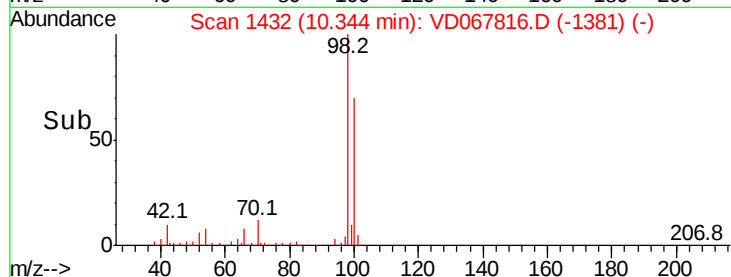
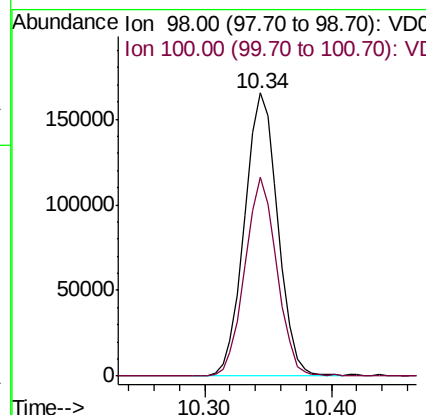
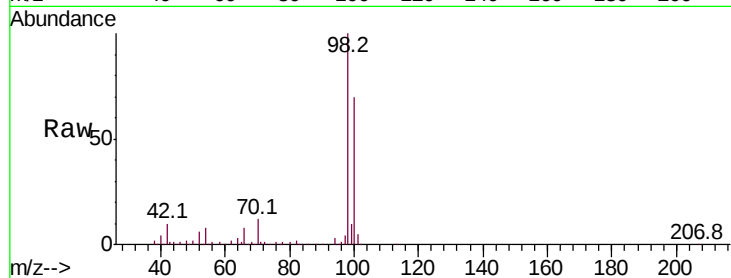
KENS-B4-112320-0-2

Tot Ion: 98 Resp: 301392

Ion Ratio Lower Upper

98 100

100 67.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.749 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067816.D

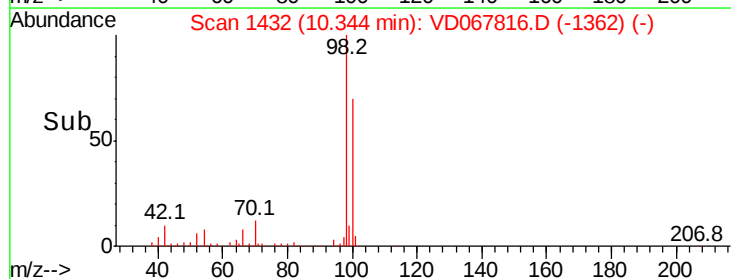
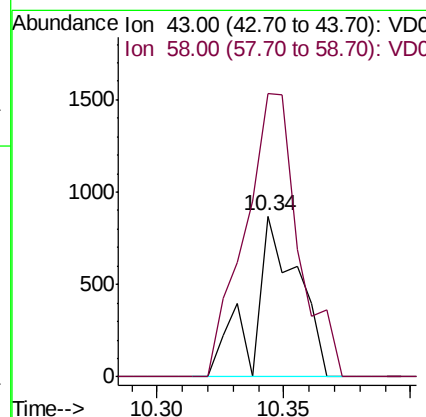
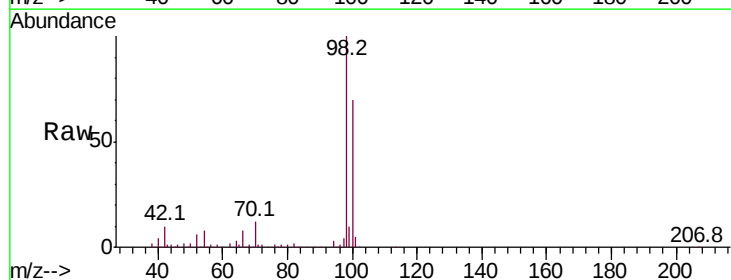
Acq: 30 Nov 2020 16:06

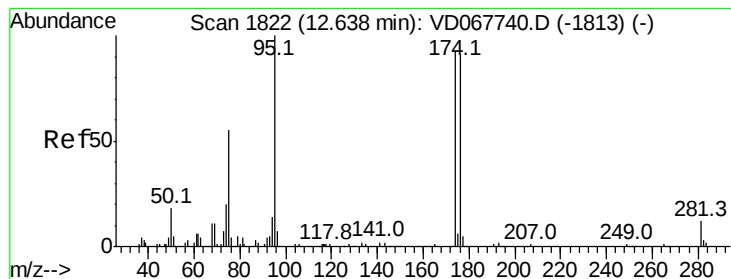
Tgt Ion: 43 Resp: 1076

Ion Ratio Lower Upper

43 100

58 211.0 34.7 52.1#





#62

4-Bromofluorobenzene

Concen: 42.673 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2

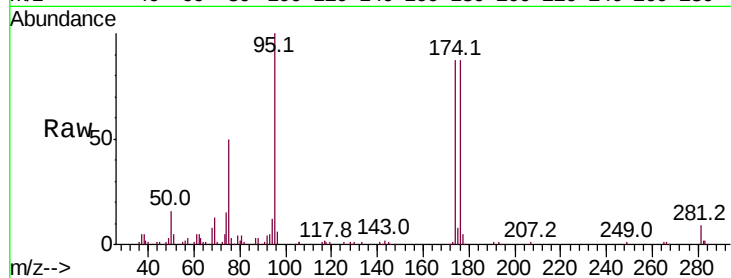
Tot Ion: 95 Resp: 96268

Ion Ratio Lower Upper

95 100

174 95.5 0.0 182.4

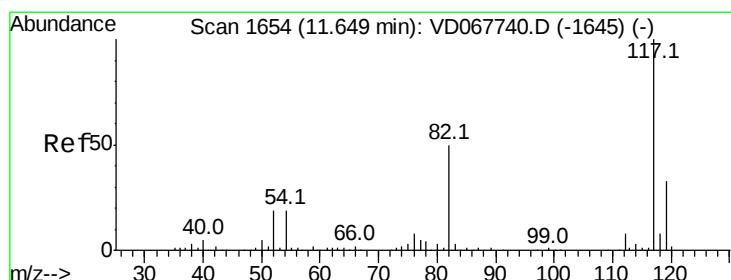
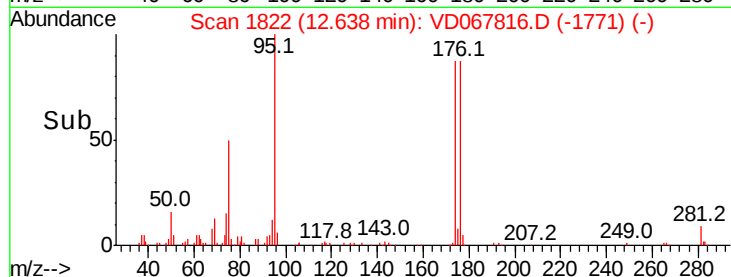
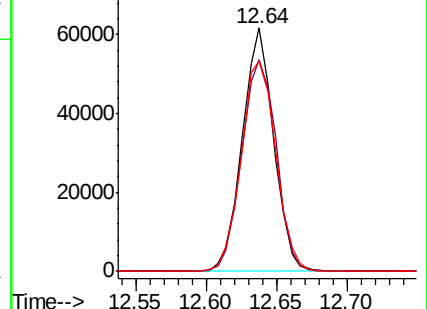
176 95.1 0.0 178.2



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: VD067816.D

Acq: 30 Nov 2020 16:06

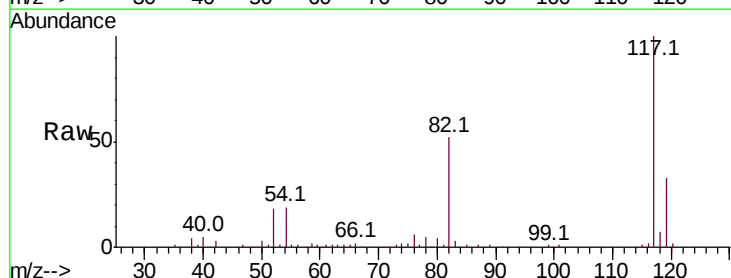
Tgt Ion: 117 Resp: 253764

Ion Ratio Lower Upper

117 100

82 51.5 40.2 60.4

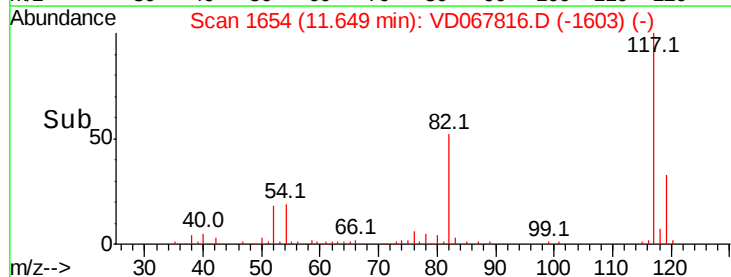
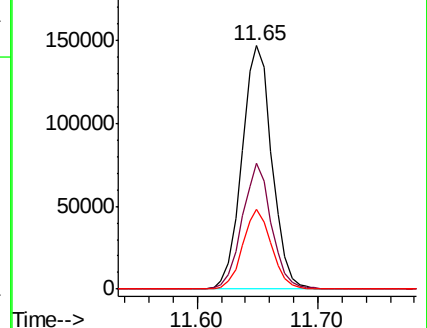
119 32.5 26.5 39.7

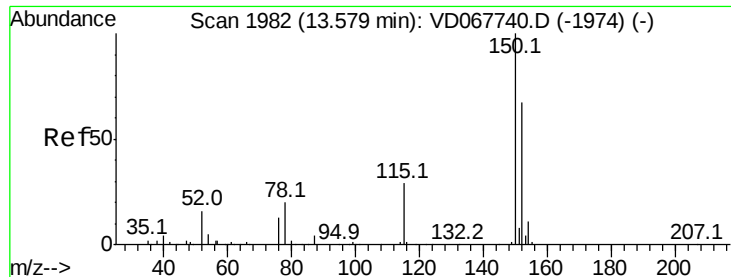


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2

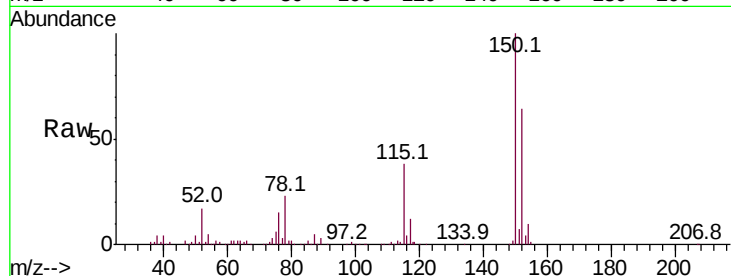
Tot Ion:152 Resp: 119340

Ion Ratio Lower Upper

152 100

115 57.1 29.4 88.3

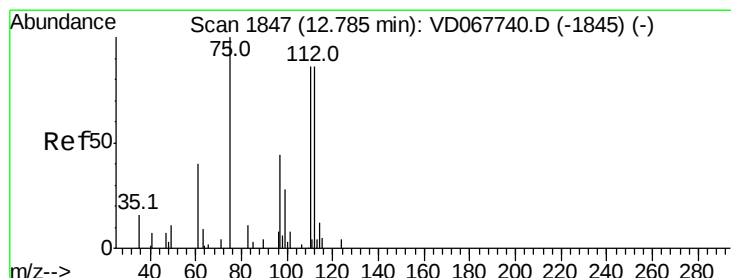
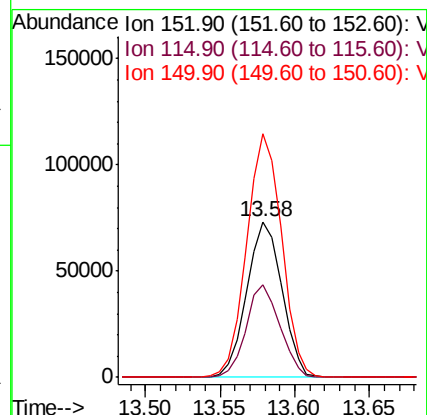
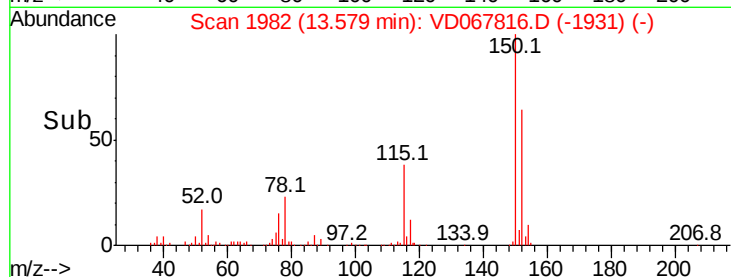
150 155.7 0.0 340.6



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: 61.810 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067816.D

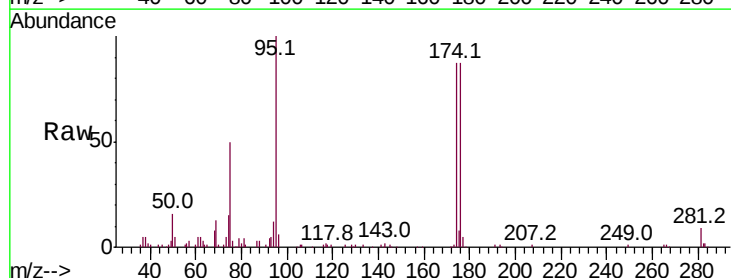
Acq: 30 Nov 2020 16:06

Tgt Ion: 75 Resp: 51410

Ion Ratio Lower Upper

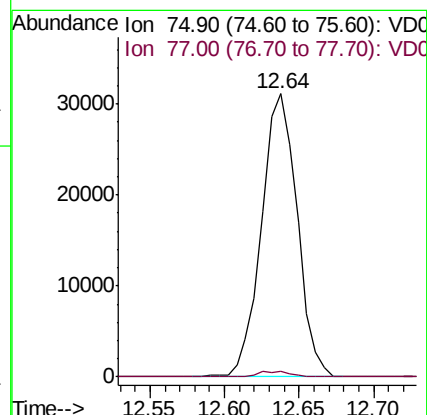
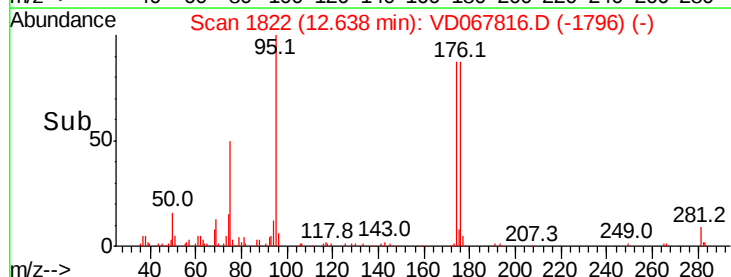
75 100

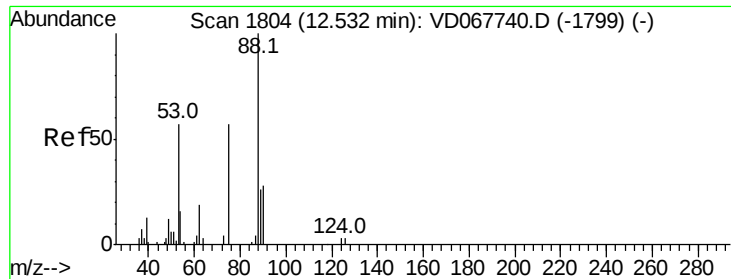
77 1.6 0.0 0.0#



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: 144.569 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067816.D

Acq: 30 Nov 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2

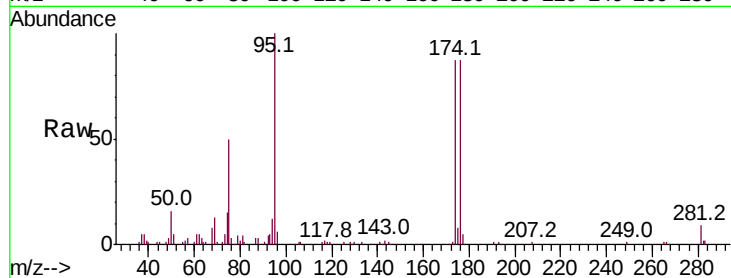
Tot Ion: 75 Resp: 51410

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 40.2 60.4#



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

