

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067711.D
 Acq On : 19 Nov 2020 16:32
 Operator : VA/SY
 Sample : L4800-04
 Misc : 6.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B1-111820-8-10

Quant Time: Nov 20 00:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	72752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	108899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	125973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	69586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	43451	68.30	ug/l	0.00
Spiked Amount			Recovery	=	136.60%	
35) Dibromofluoromethane	7.92	113	38672	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
50) Toluene-d8	10.34	98	128542	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.64	95	56359	70.80	ug/l	0.00
Spiked Amount			Recovery	=	141.60%	

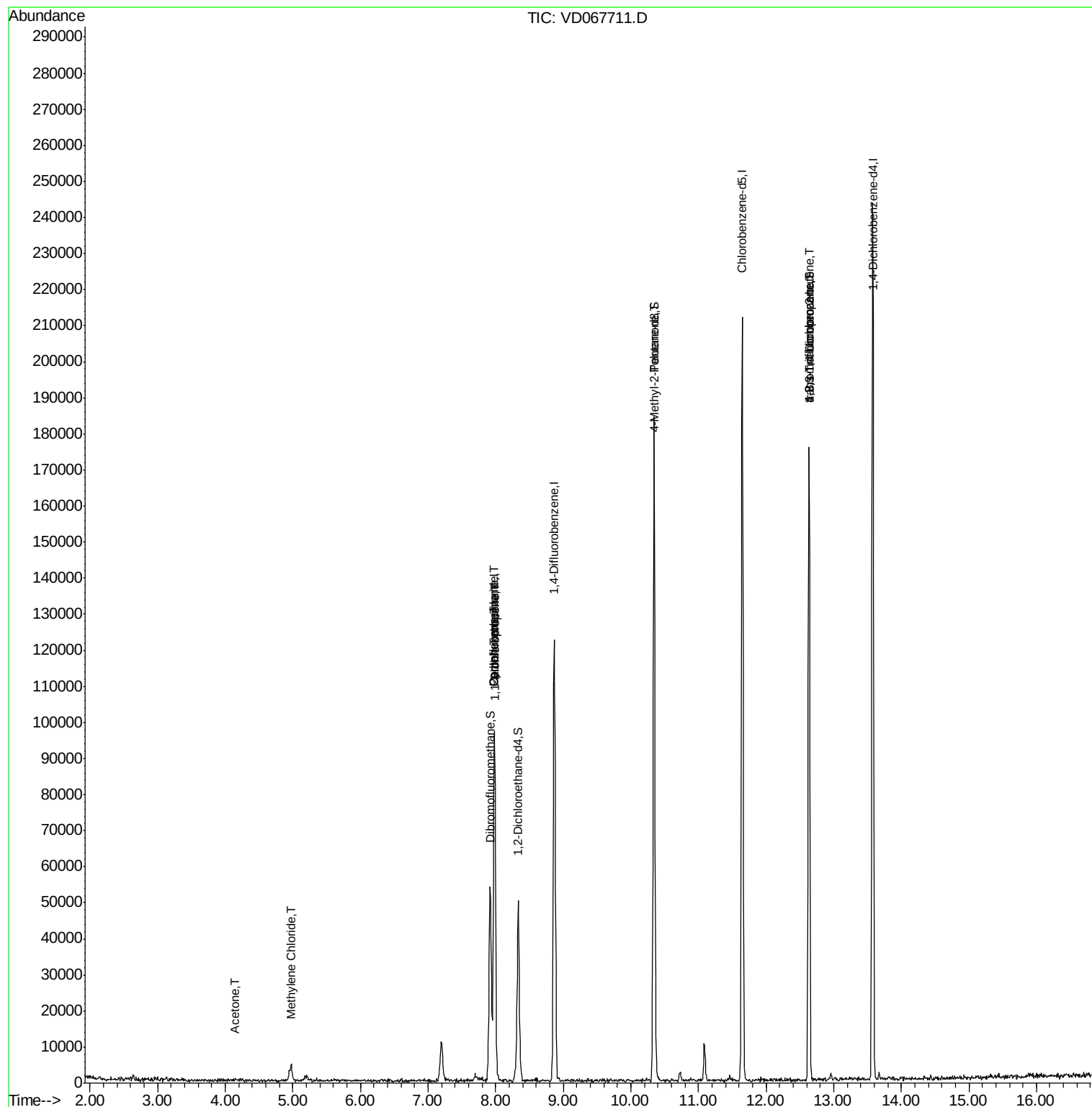
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	359	Below Cal	#	79
16) Acetone	4.15	43	684	7.185	ug/l #	43
20) Methylene Chloride	4.98	84	4116	6.121	ug/l #	73
31) Cyclohexane	7.98	56	1189	1.289	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	5194	5.572	ug/l #	47
38) Carbon Tetrachloride	7.98	117	7863	6.492	ug/l #	12
51) 4-Methyl-2-Pentanone	10.36	43	317	1.385	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	28489	67.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	28489	137.786	ug/l #	10

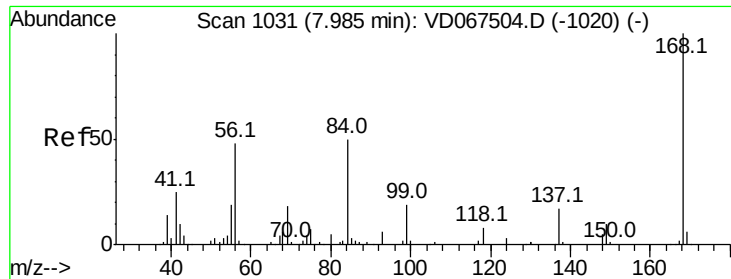
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111920\
Data File : VD067711.D
Acq On : 19 Nov 2020 16:32
Operator : VA/SY
Sample : L4800-04
Misc : 6.23G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
KENS-B1-111820-8-10

Quant Time: Nov 20 00:31:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

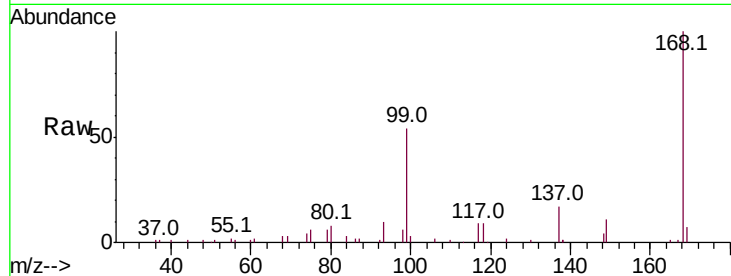
KENS-B1-111820-8-10

Tot Ion:168 Resp: 72752

Ion Ratio Lower Upper

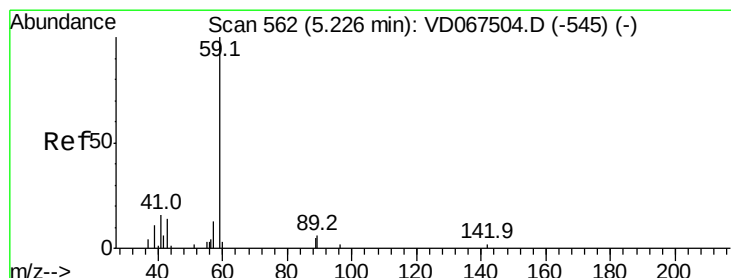
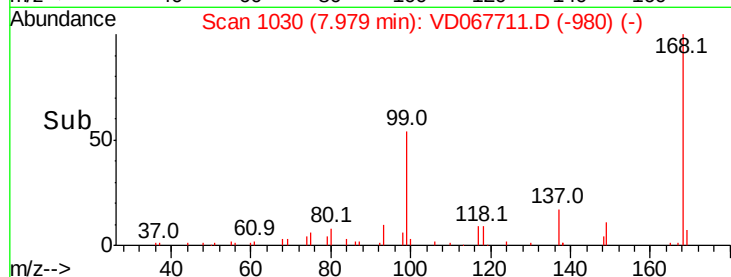
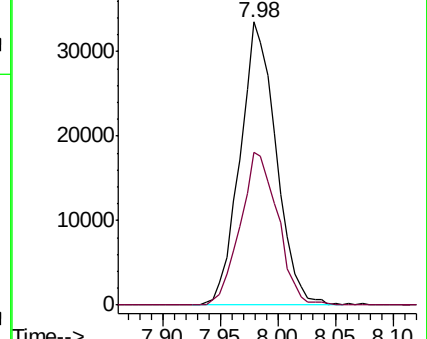
168 100

99 54.2 45.0 67.6



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: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067711.D

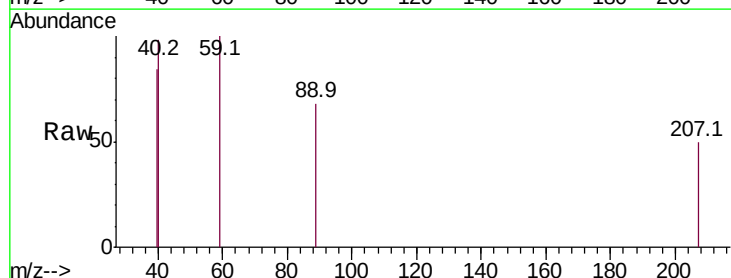
Acq: 19 Nov 2020 16:32

Tgt Ion: 59 Resp: 359

Ion Ratio Lower Upper

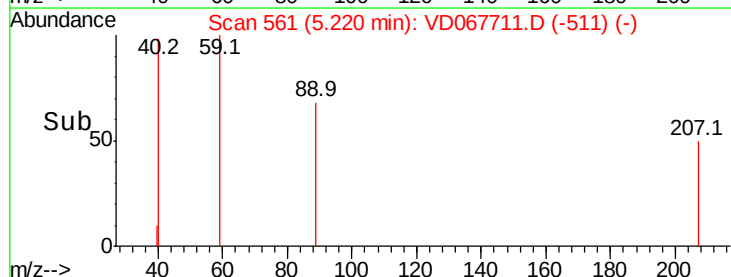
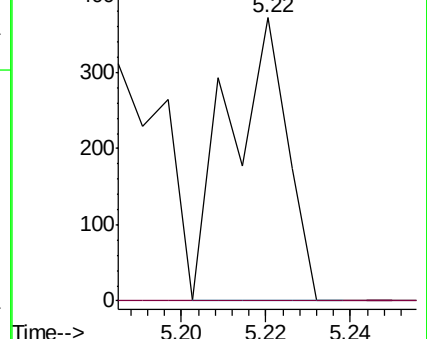
59 100

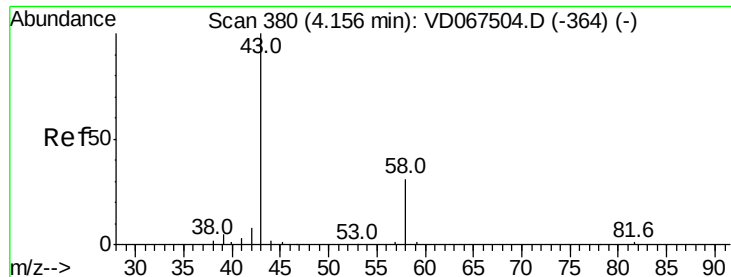
57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.185 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

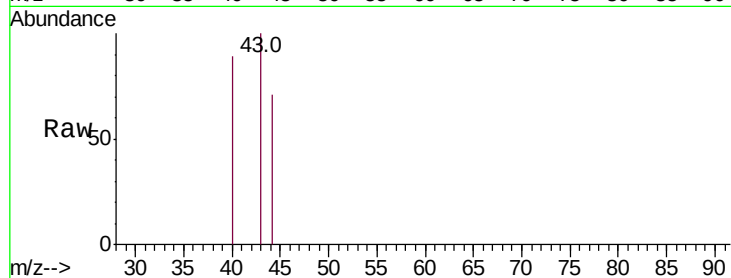
KENS-B1-111820-8-10

Tot Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

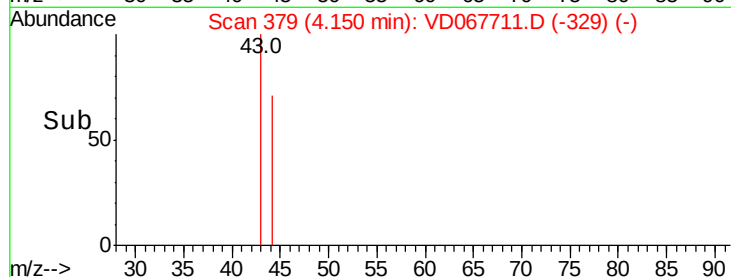
4.15

4.15

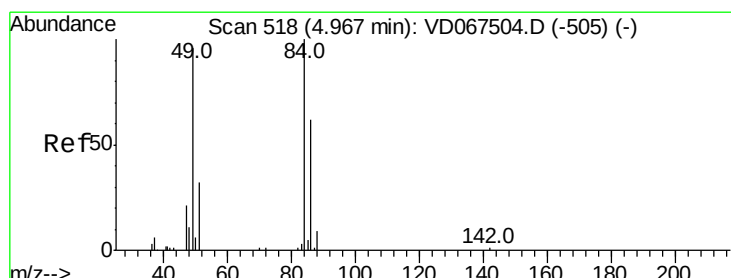
4.15

4.15

4.15



Time--> 4.10 4.12 4.14 4.16 4.18



#20

Methylene Chloride

Concen: 6.121 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Tgt Ion: 84 Resp: 4116

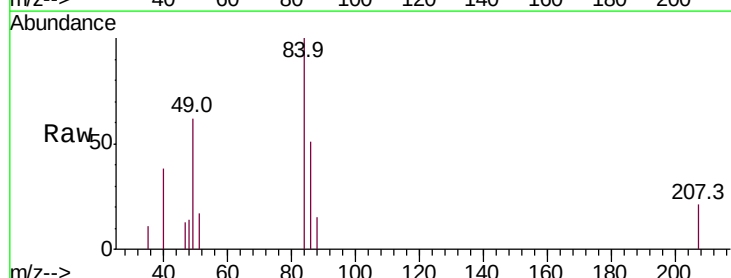
Ion Ratio Lower Upper

84 100

49 61.6 77.0 115.4#

51 17.0 25.4 38.2#

86 51.3 49.4 74.0



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

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

4.98

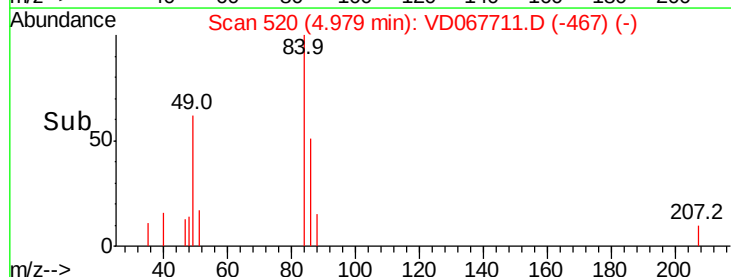
4.98

4.98

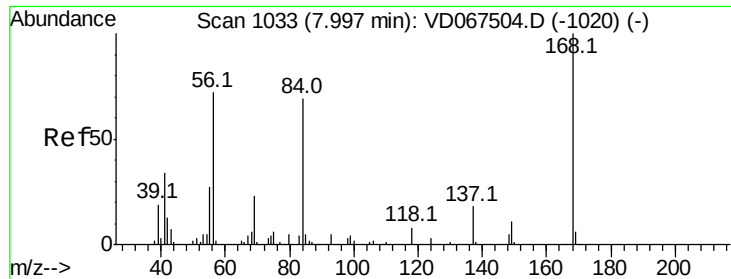
4.98

4.98

4.98



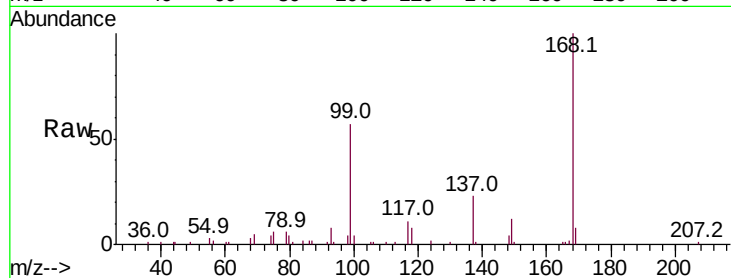
Time--> 4.90 4.95 5.00 5.05



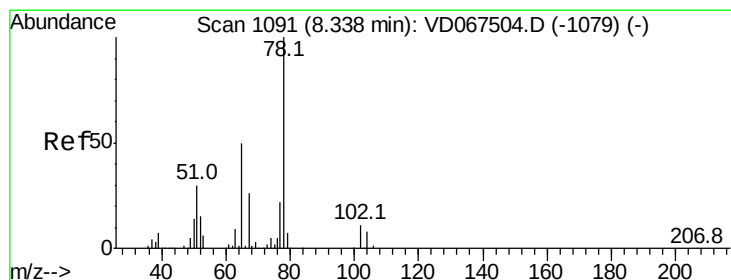
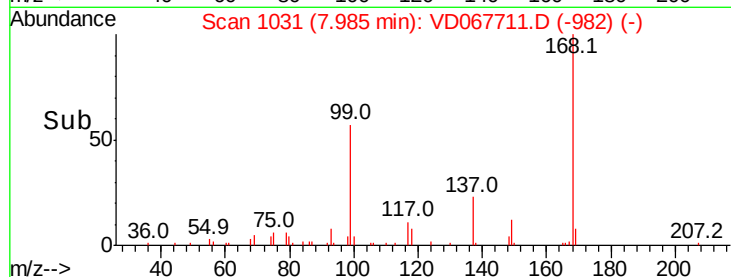
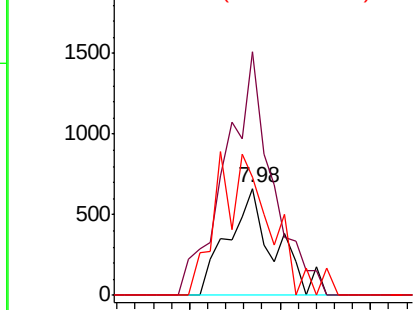
#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
KENS-B1-111820-8-10

Tot Ion: 56 Resp: 1189
Ion Ratio Lower Upper
56 100
69 228.1 25.9 38.9#
84 111.3 76.2 114.4

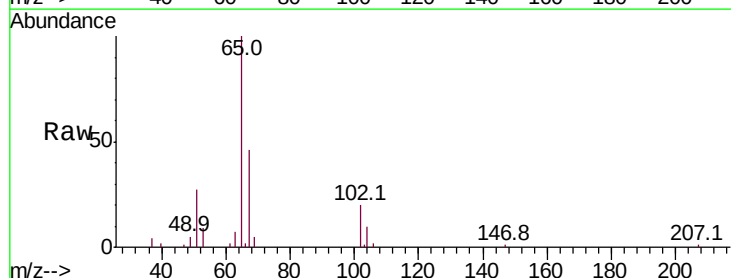


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

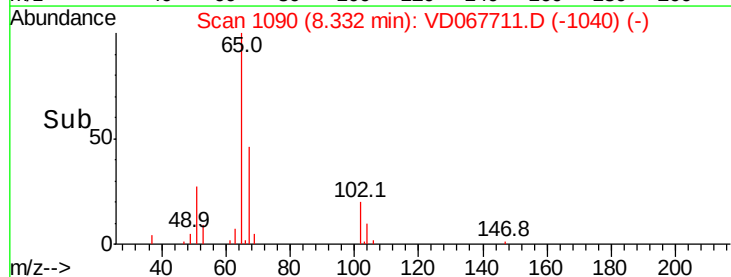
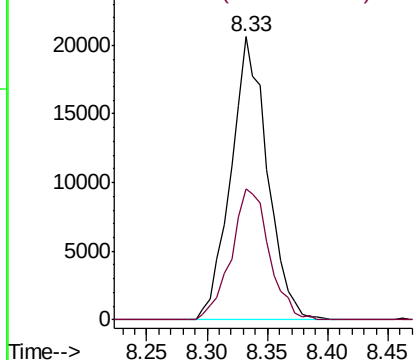


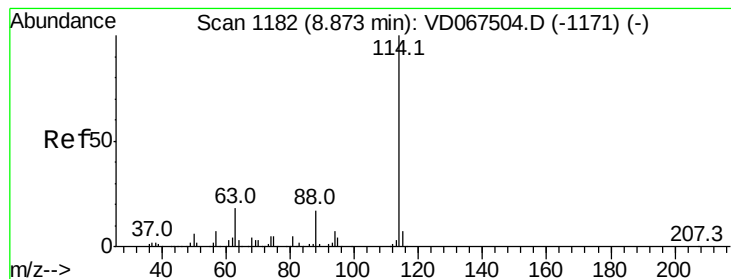
#33
1,2-Dichloroethane-d4
Concen: 68.305 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

Tgt Ion: 65 Resp: 43451
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.4



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. -0.01 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-8-10

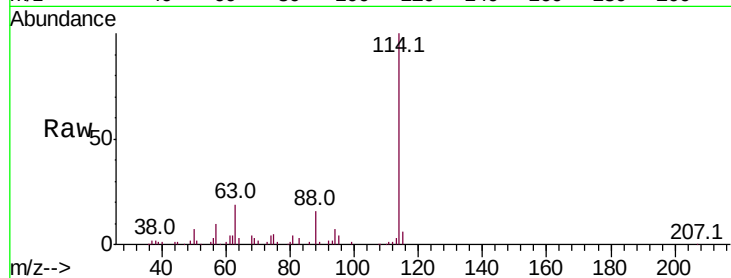
Tot Ion:114 Resp: 108899

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

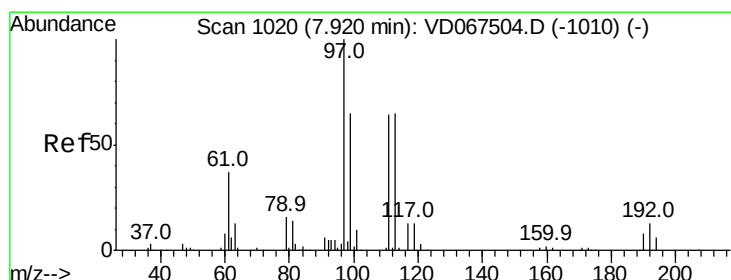
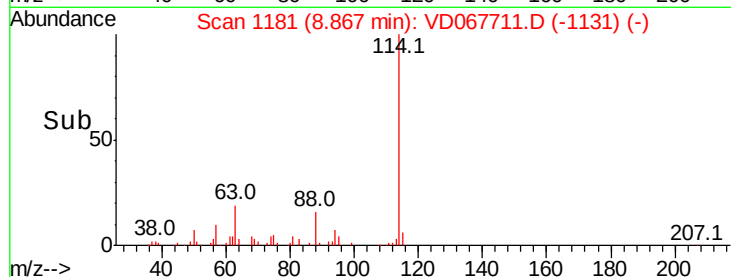
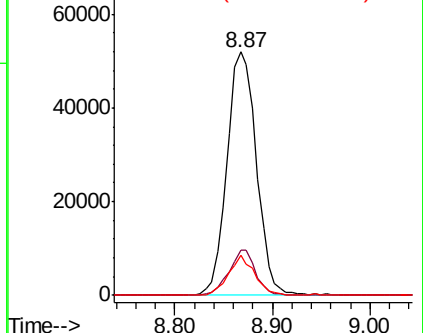
88 16.2 0.0 33.0



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: 58.941 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

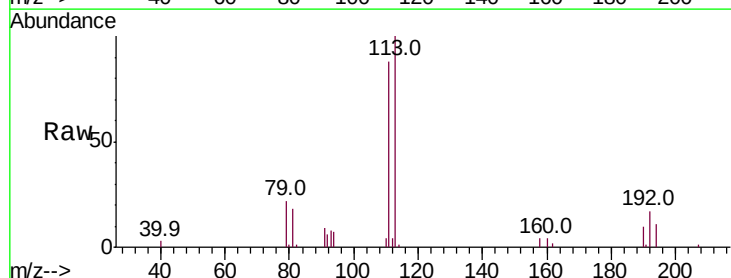
Tgt Ion:113 Resp: 38672

Ion Ratio Lower Upper

113 100

111 97.2 80.0 120.0

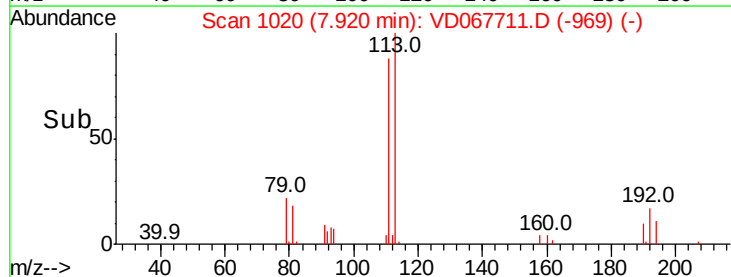
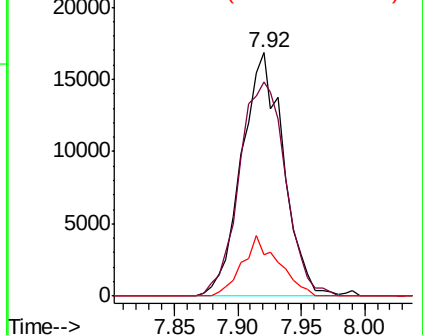
192 21.4 16.3 24.5

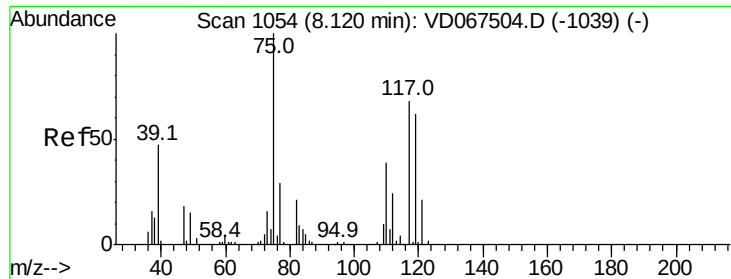


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.572 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.13 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-8-10

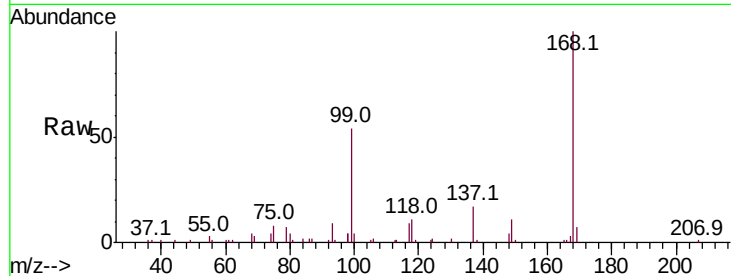
Tot Ion: 75 Resp: 5194

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

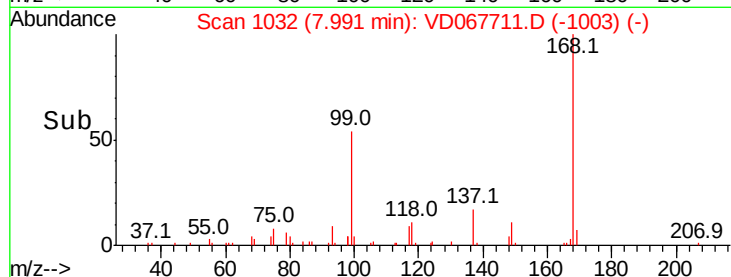
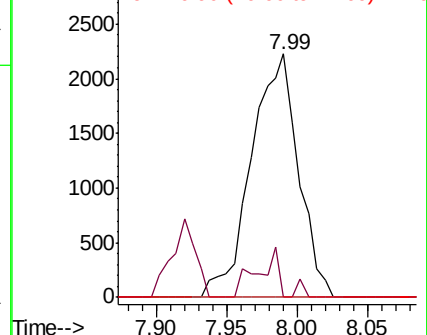
77 0.0 24.8 37.2#



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: 6.492 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

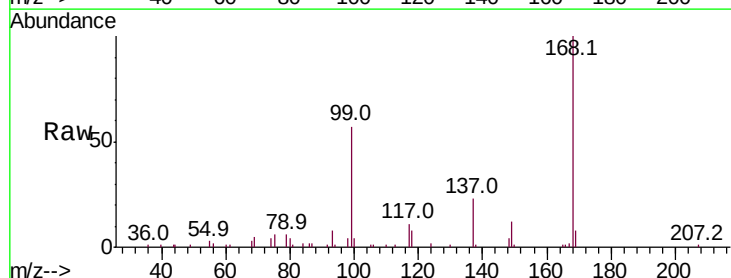
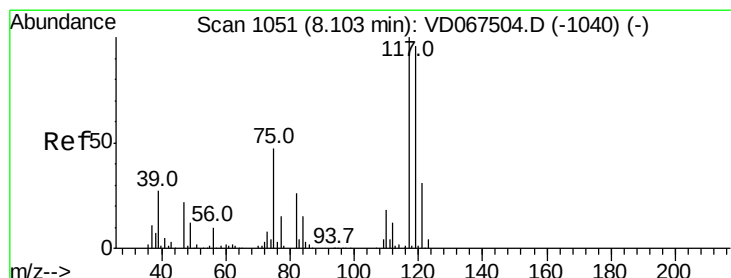
Tgt Ion: 117 Resp: 7863

Ion Ratio Lower Upper

117 100

119 0.0 76.9 115.3#

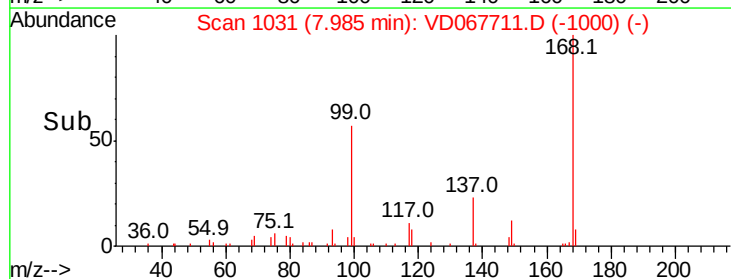
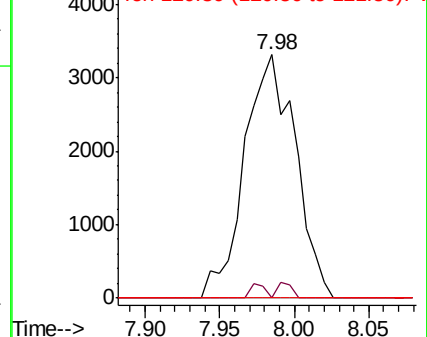
121 0.0 24.5 36.7#

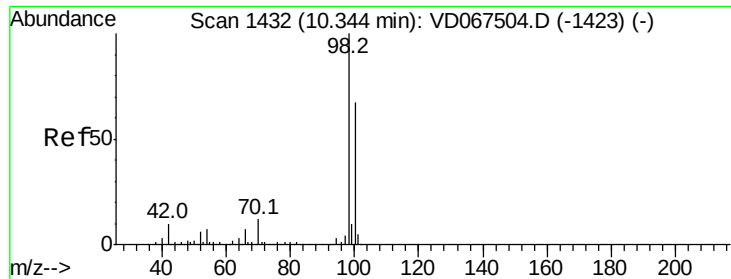


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

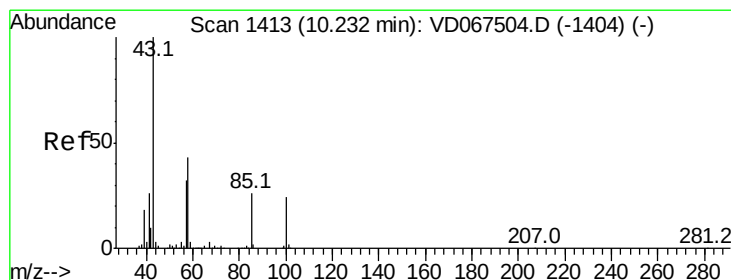
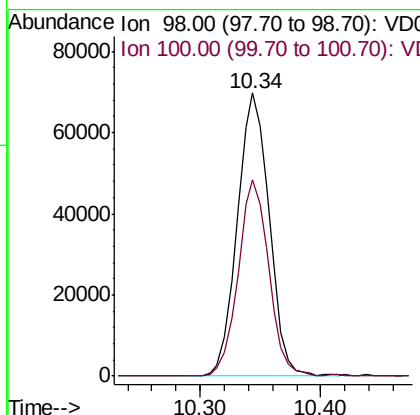
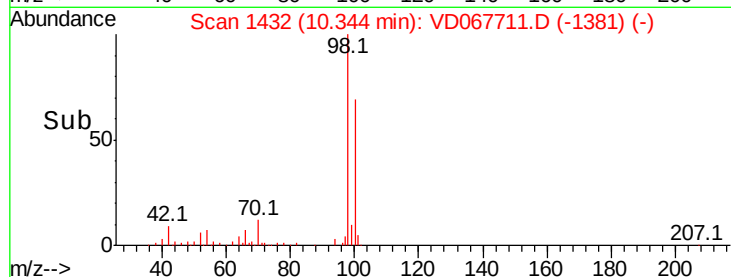
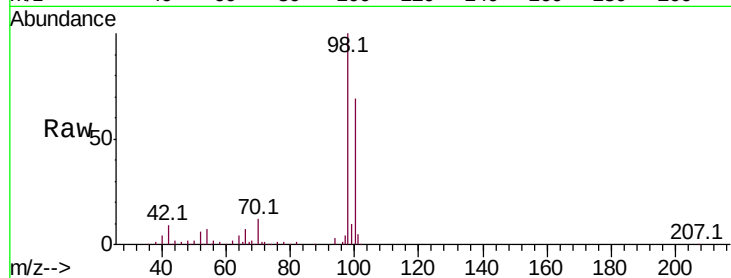




#50
Toluene-d8
Concen: 55.749 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

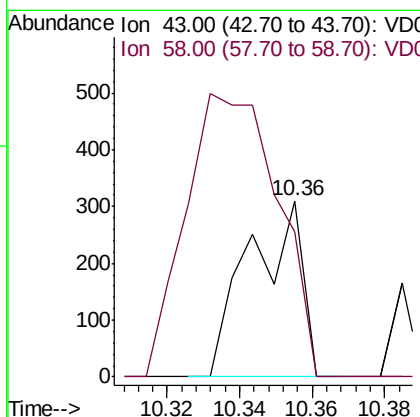
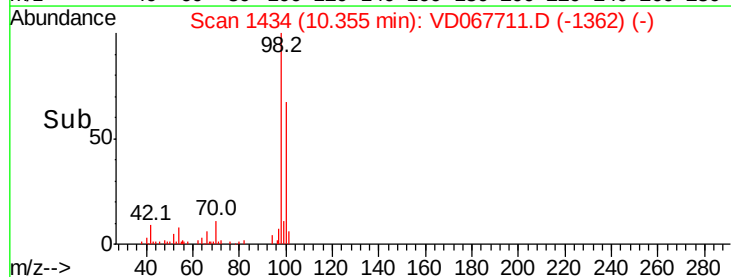
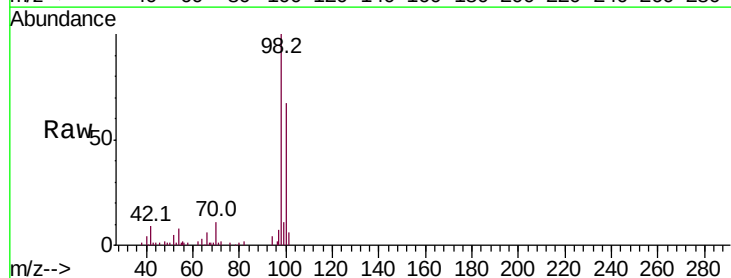
Instrument :
MSVOA_D
ClientSampleId :
KENS-B1-111820-8-10

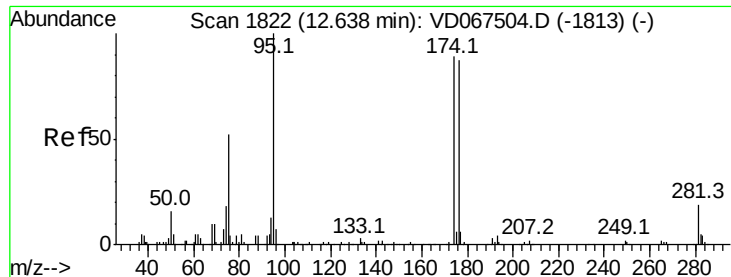
Tot Ion: 98 Resp: 128542
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.12 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 0.0 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 70.799 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-8-10

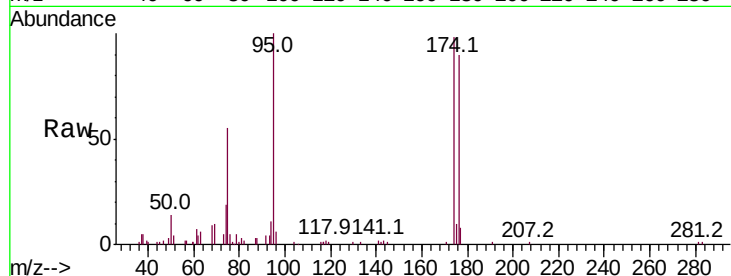
Tot Ion: 95 Resp: 56359

Ion Ratio Lower Upper

95 100

174 94.9 0.0 177.8

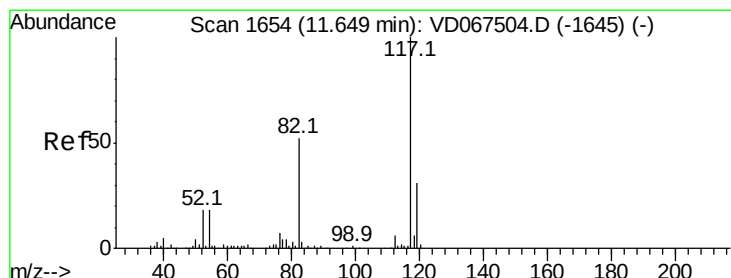
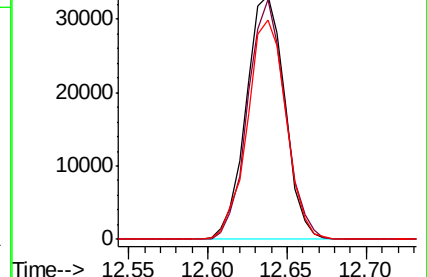
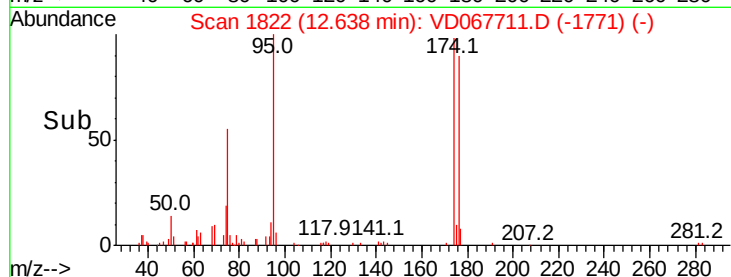
176 89.9 0.0 172.0



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: VD067711.D

Acq: 19 Nov 2020 16:32

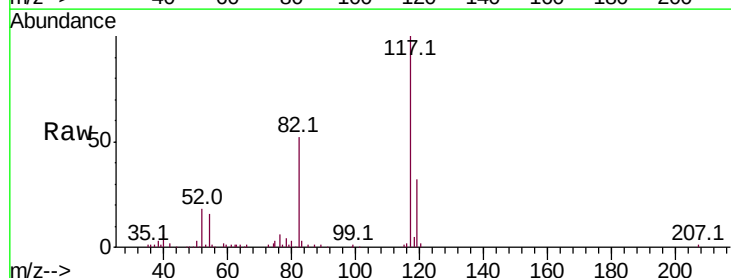
Tgt Ion: 117 Resp: 125973

Ion Ratio Lower Upper

117 100

82 51.9 41.6 62.4

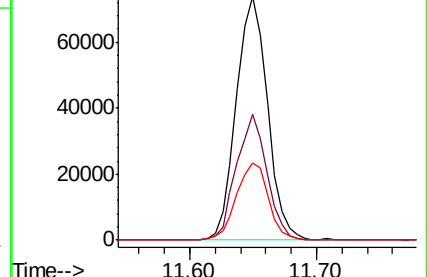
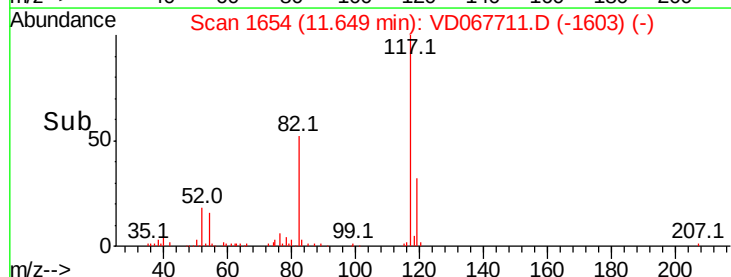
119 31.5 25.1 37.7

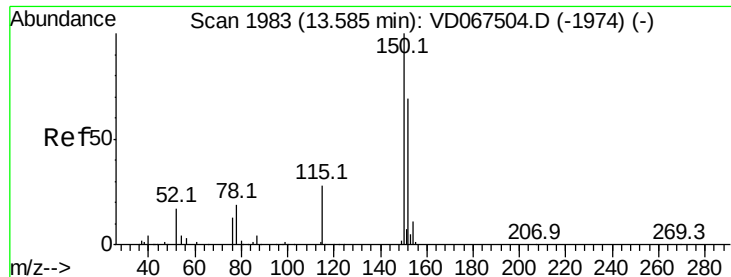


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



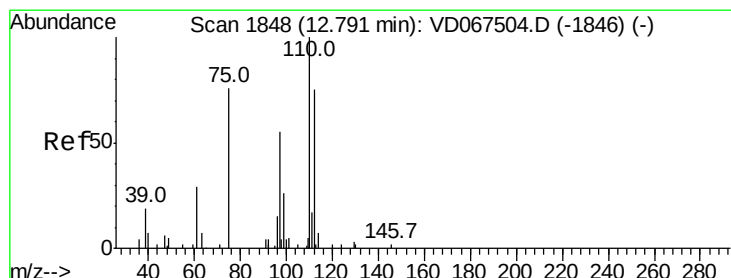
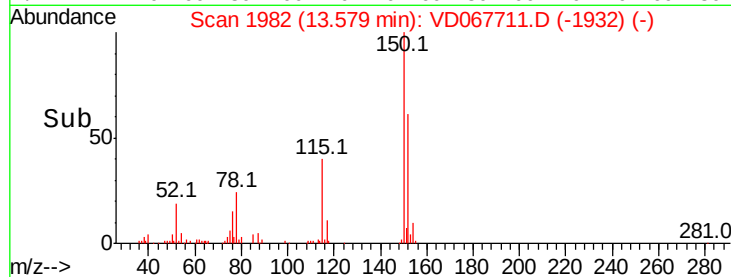
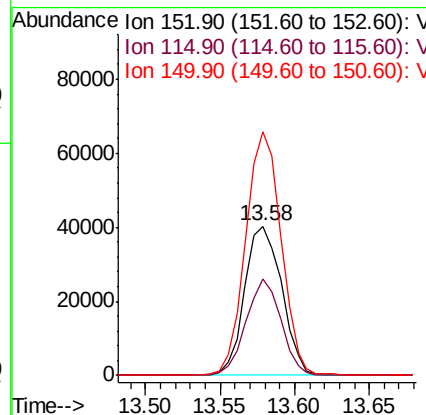
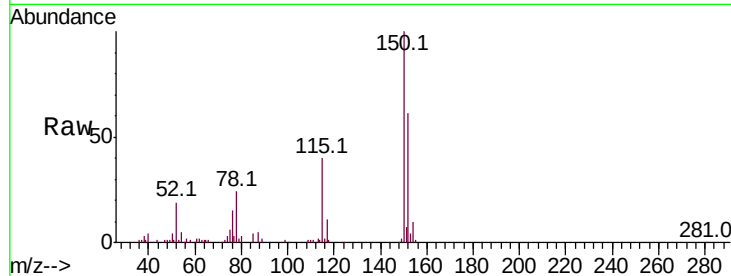


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
KENS-B1-111820-8-10

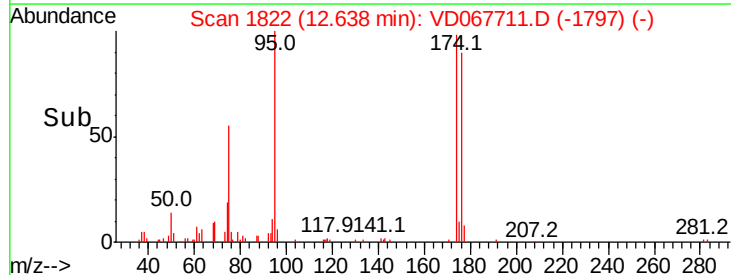
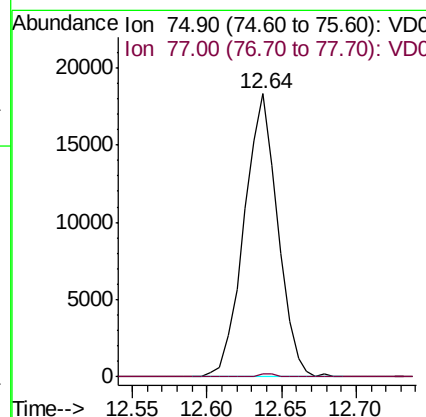
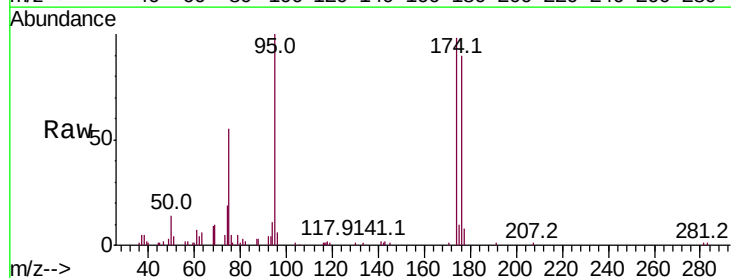
Tot Ion:152 Resp: 69586
Ion Ratio Lower Upper
152 100
115 60.5 29.3 88.0
150 155.4 0.0 338.2

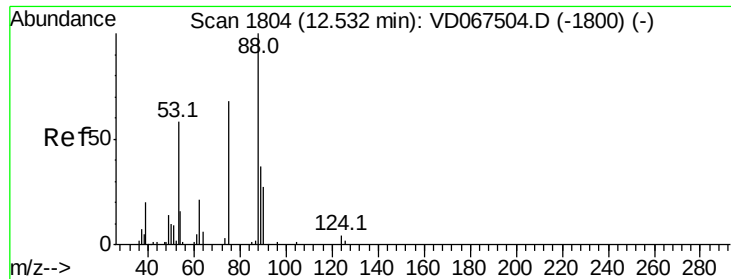


#76

1,2,3-Trichloropropane
Concen: 67.866 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067711.D
Acq: 19 Nov 2020 16:32

Tgt Ion: 75 Resp: 28489
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.786 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067711.D

Acq: 19 Nov 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-8-10

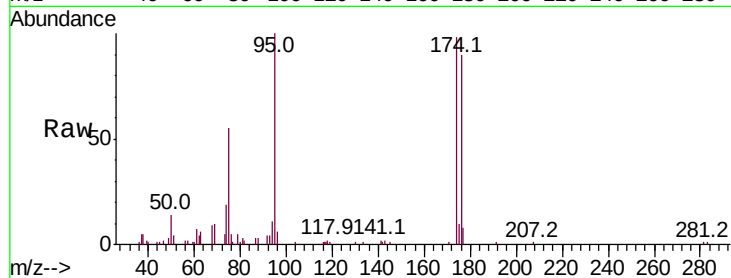
Tot Ion: 75 Resp: 28489

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.2 44.6 67.0#



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

