

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067710.D
 Acq On : 19 Nov 2020 16:04
 Operator : VA/SY
 Sample : L4800-02
 Misc : 3.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B1-111820-0-1

Quant Time: Nov 20 00:31:17 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	7.99	168	269166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	412169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	443219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226273	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	121986	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	
35) Dibromofluoromethane	7.92	113	125322	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
50) Toluene-d8	10.34	98	491388	56.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.62%	
62) 4-Bromofluorobenzene	12.64	95	192621	63.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.86%	

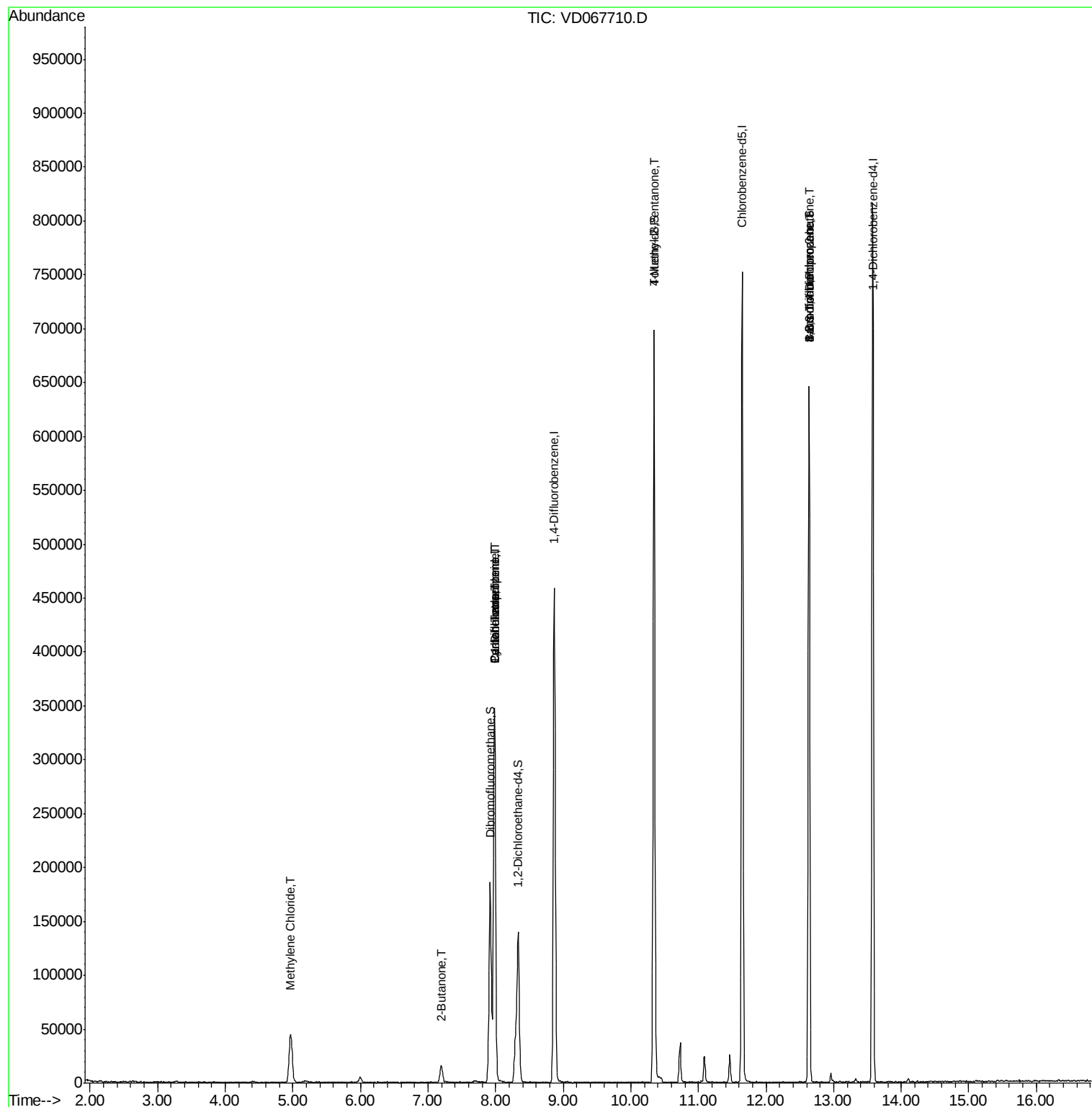
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	674	Below Cal		99
11) Tert butyl alcohol	5.21	59	345	Below Cal	#	79
20) Methylene Chloride	4.96	84	39807	16.000	ug/l	95
25) 2-Butanone	7.20	43	546	1.451	ug/l #	42
31) Cyclohexane	7.99	56	4986	1.461	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	18912	5.360	ug/l #	51
38) Carbon Tetrachloride	7.98	117	28517	6.221	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1634	1.886	ug/l #	1
71) Bromoform	12.64	173	1940	1.130	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	99959	73.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	99959	148.676	ug/l #	10

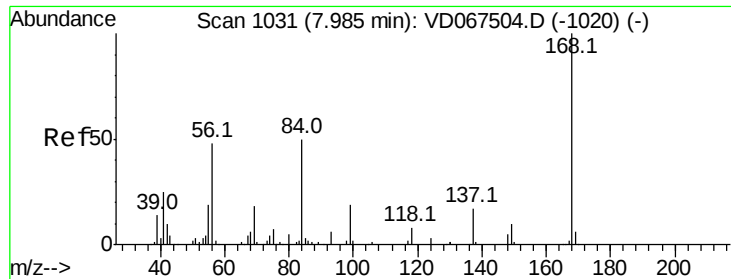
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

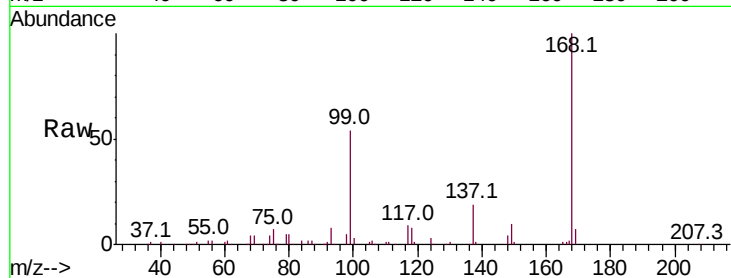
KENS-B1-111820-0-1

Tot Ion:168 Resp: 269166

Ion Ratio Lower Upper

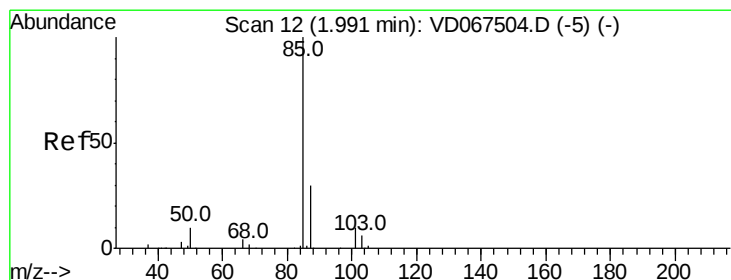
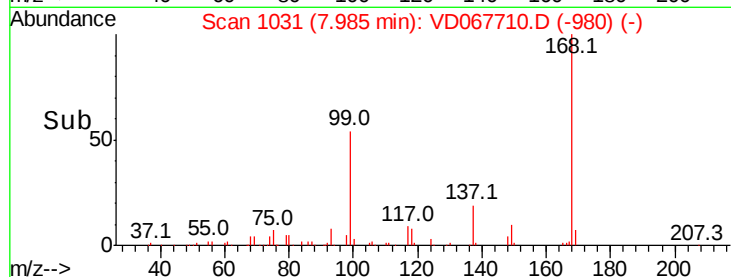
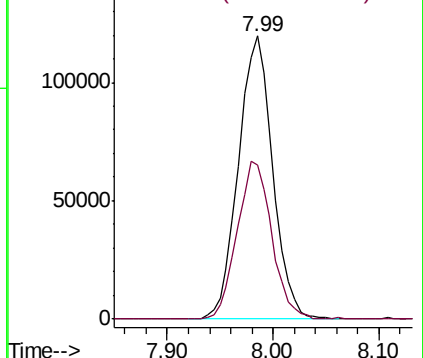
168 100

99 54.3 45.0 67.6



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# 11

Delta R.T. -0.01 min

Lab File: VD067710.D

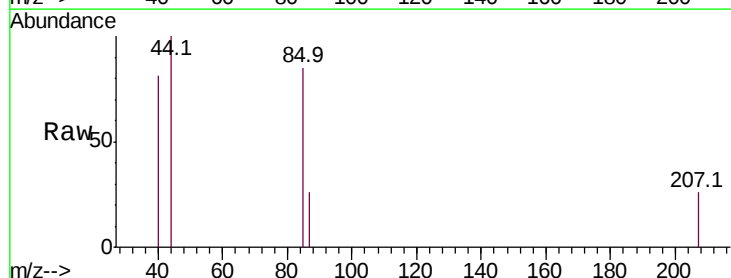
Acq: 19 Nov 2020 16:04

Tgt Ion: 85 Resp: 674

Ion Ratio Lower Upper

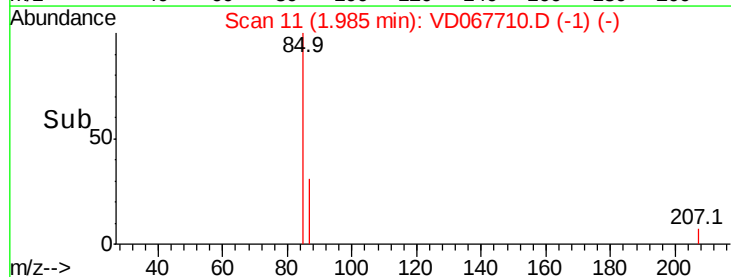
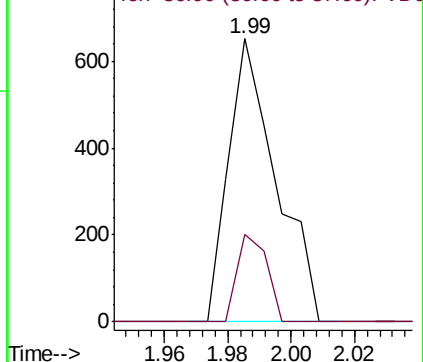
85 100

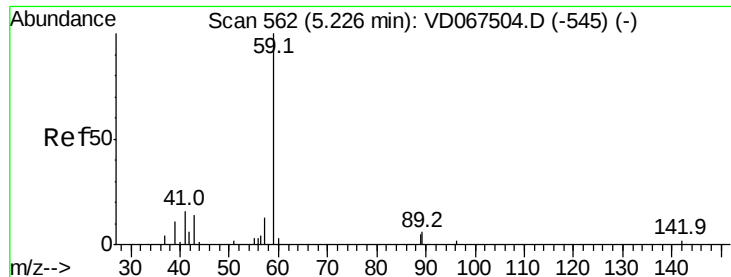
87 30.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



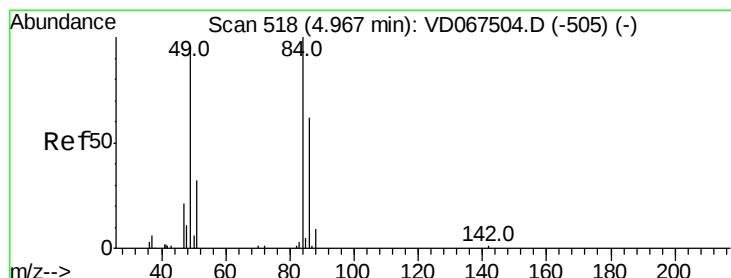
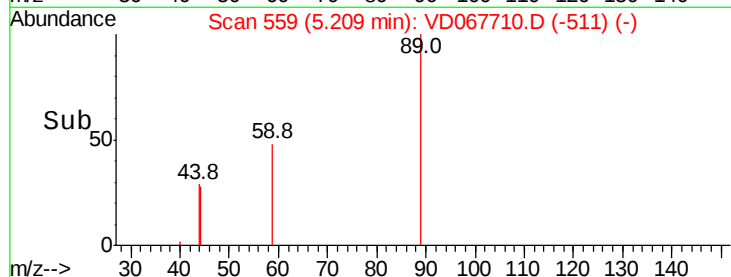
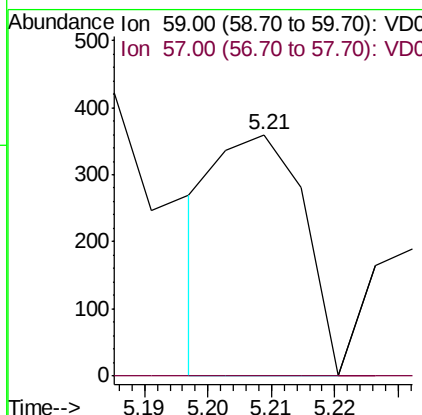
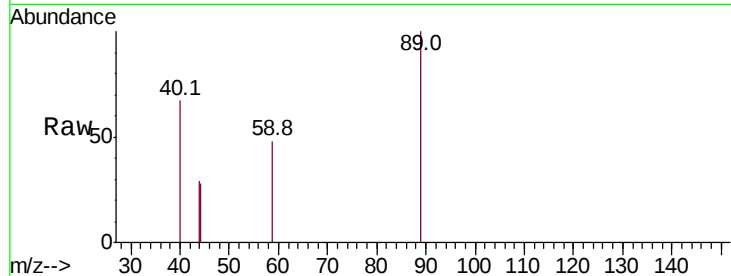


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067710.D
 Acq: 19 Nov 2020 16:04

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B1-111820-0-1

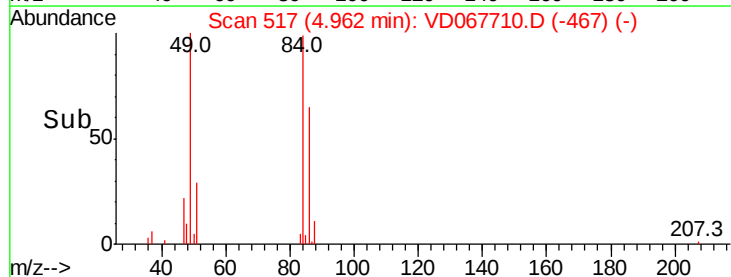
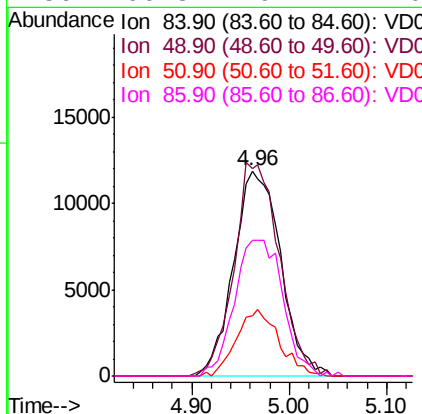
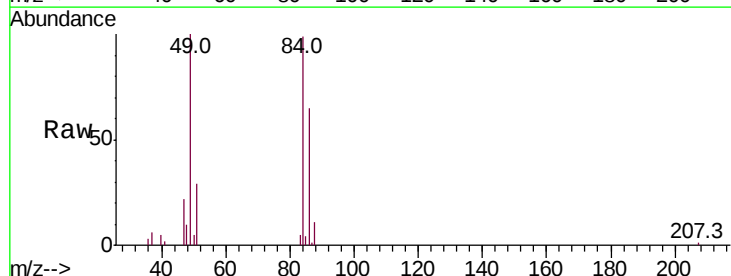
Tot Ion: 59 Resp: 345
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

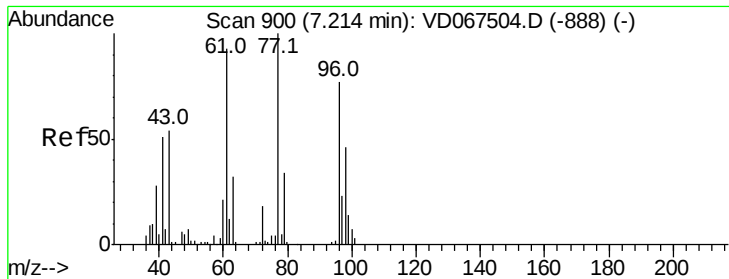


#20

Methylene Chloride
 Concen: 16.000 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD067710.D
 Acq: 19 Nov 2020 16:04

Tgt Ion: 84 Resp: 39807
 Ion Ratio Lower Upper
 84 100
 49 101.3 77.0 115.4
 51 29.5 25.4 38.2
 86 66.3 49.4 74.0





#25

2-Butanone

Concen: 1.451 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

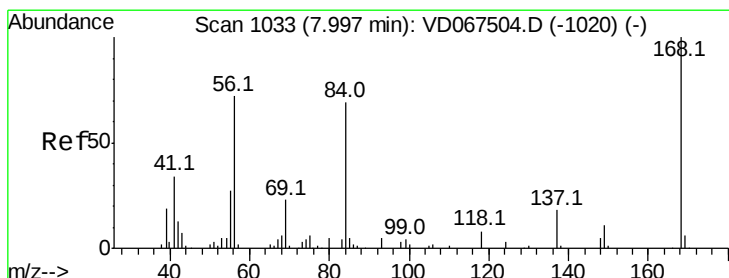
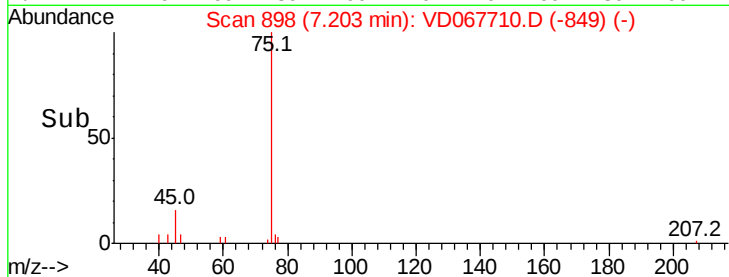
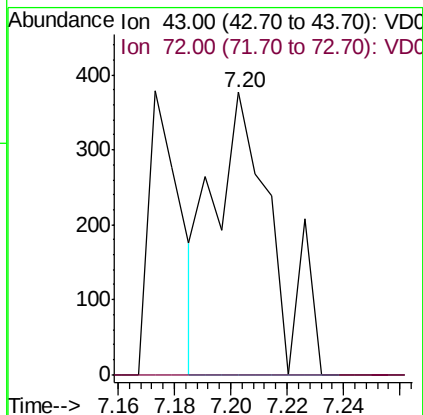
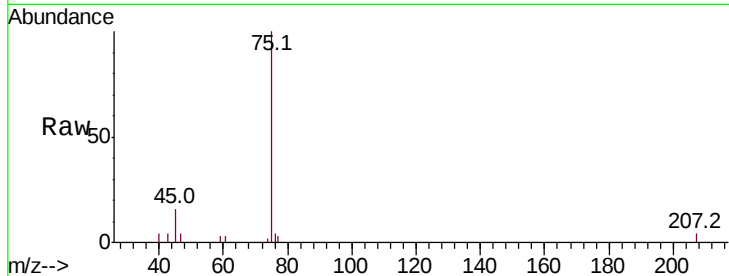
KENS-B1-111820-0-1

Tot Ion: 43 Resp: 546

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#31

Cyclohexane

Concen: 1.461 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

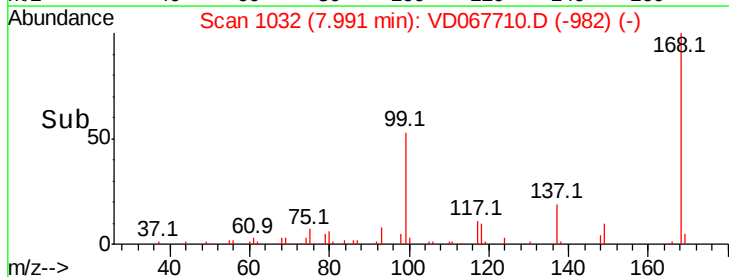
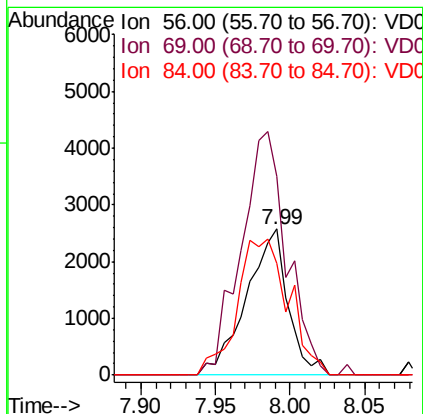
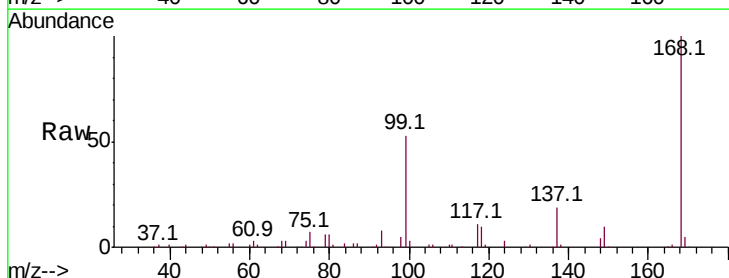
Tgt Ion: 56 Resp: 4986

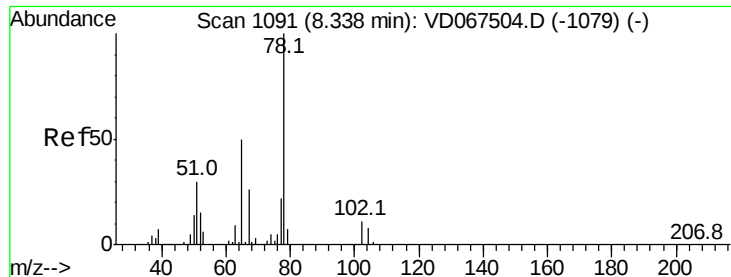
Ion Ratio Lower Upper

56 100

69 135.6 25.9 38.9#

84 76.2 76.2 114.4#





#33

1,2-Dichloroethane-d4

Concen: 51.830 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

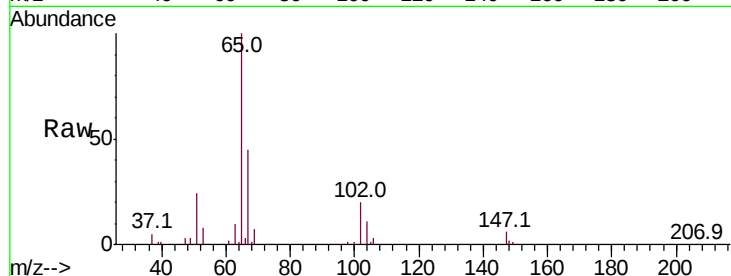
KENS-B1-111820-0-1

Tot Ion: 65 Resp: 121986

Ion Ratio Lower Upper

65 100

67 45.6 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

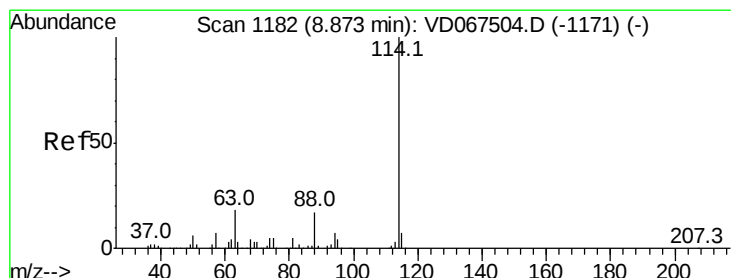
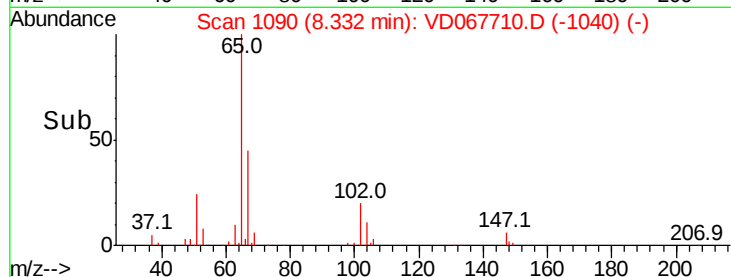
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

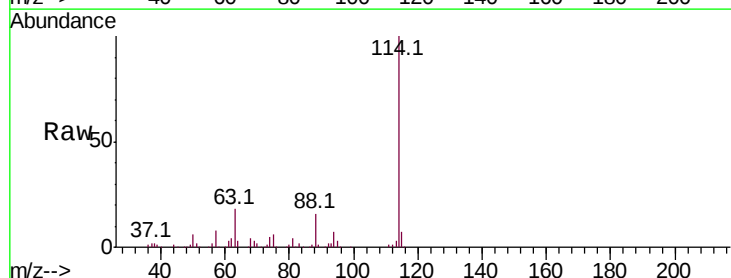
Tgt Ion:114 Resp: 412169

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 16.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

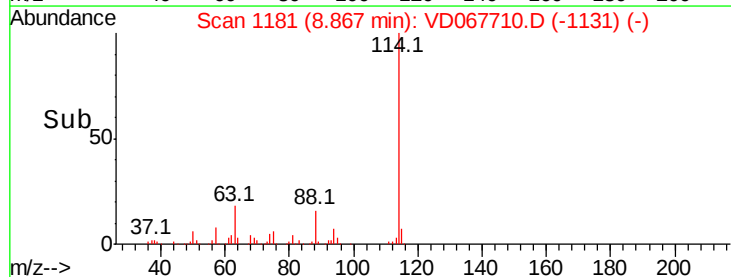
150000

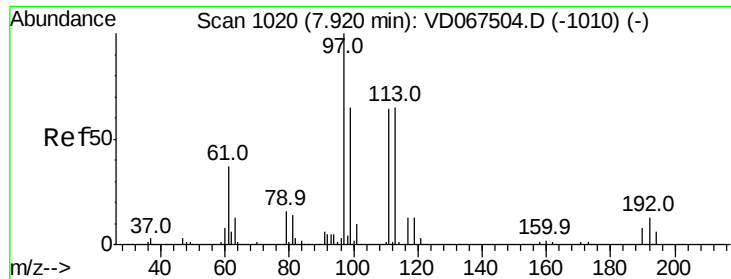
100000

50000

0

Time--> 8.80 8.90

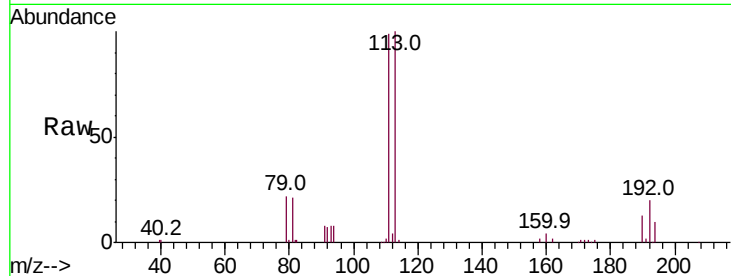




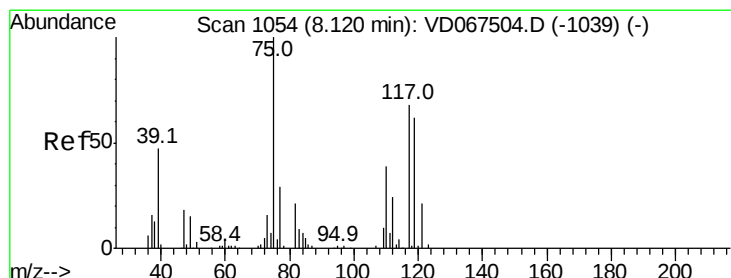
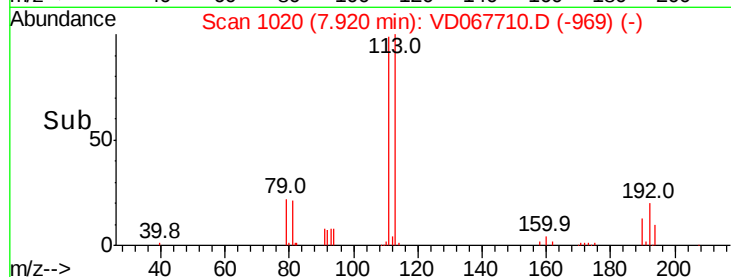
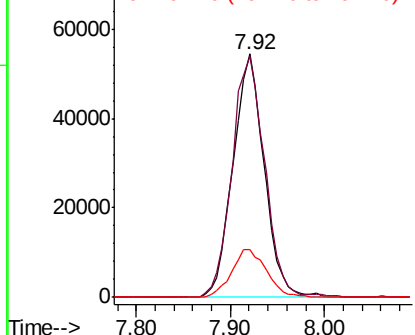
#35
 Dibromofluoromethane
 Concen: 50.466 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067710.D
 Acq: 19 Nov 2020 16:04

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B1-111820-0-1

Tot Ion:113 Resp: 125322
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.0 120.0
 192 21.8 16.3 24.5

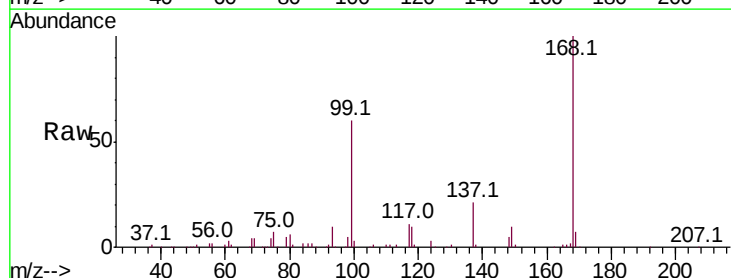


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

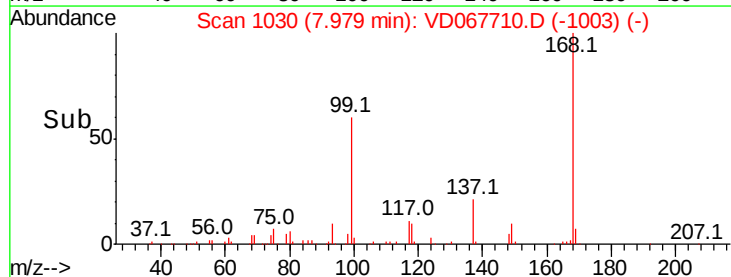
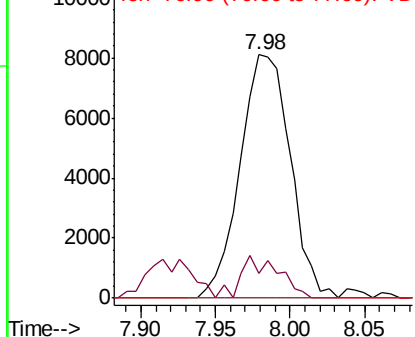


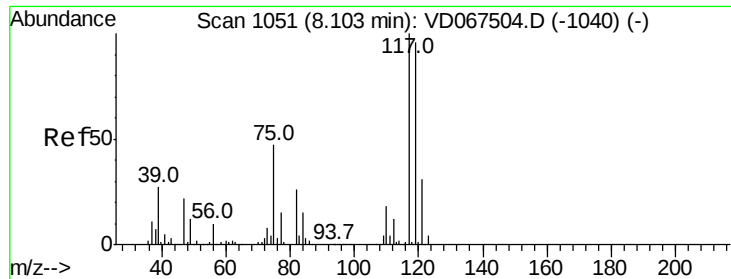
#36
 1,1-Dichloropropene
 Concen: 5.360 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067710.D
 Acq: 19 Nov 2020 16:04

Tgt Ion: 75 Resp: 18912
 Ion Ratio Lower Upper
 75 100
 110 13.1 19.9 59.7#
 77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-0-1

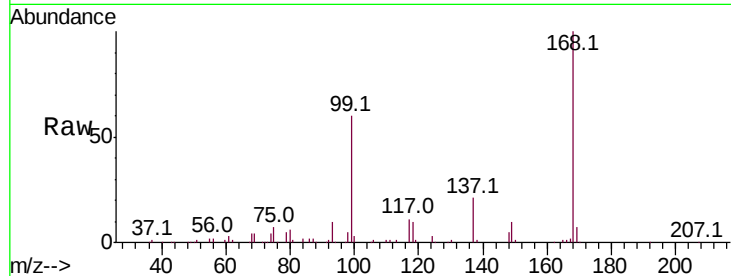
Tot Ion:117 Resp: 28517

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

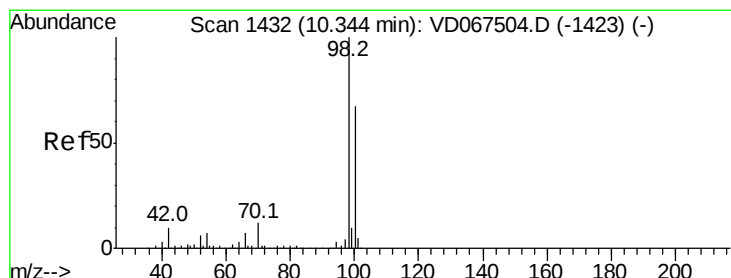
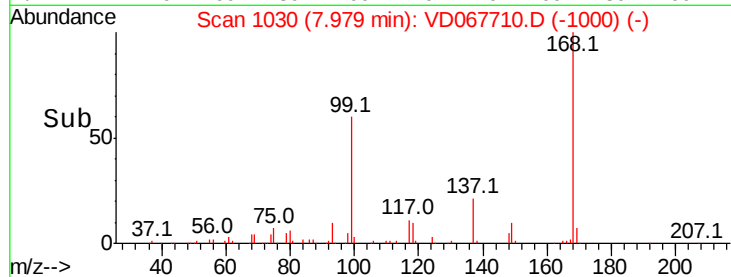
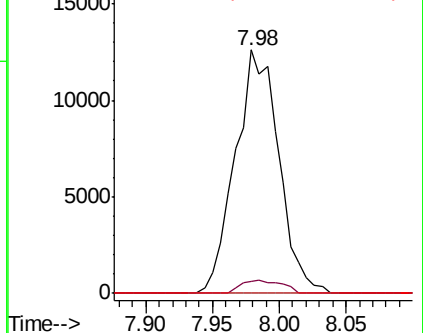
121 0.0 24.5 36.7#



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: 56.307 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067710.D

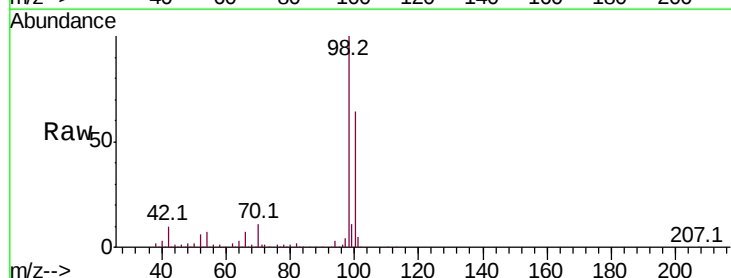
Acq: 19 Nov 2020 16:04

Tgt Ion: 98 Resp: 491388

Ion Ratio Lower Upper

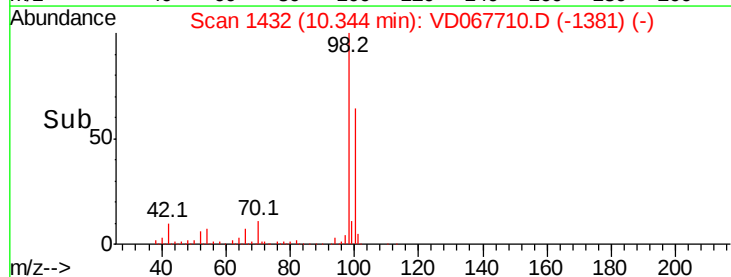
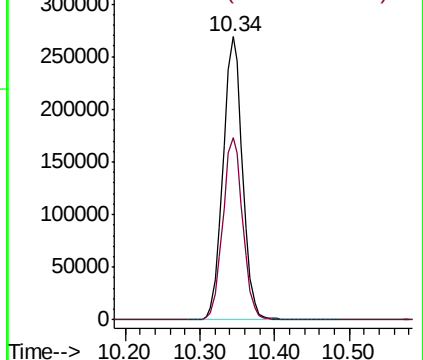
98 100

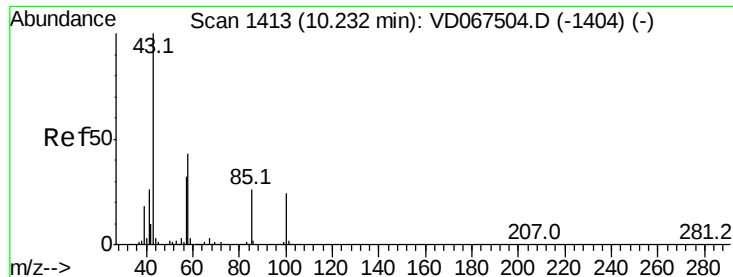
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.886 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

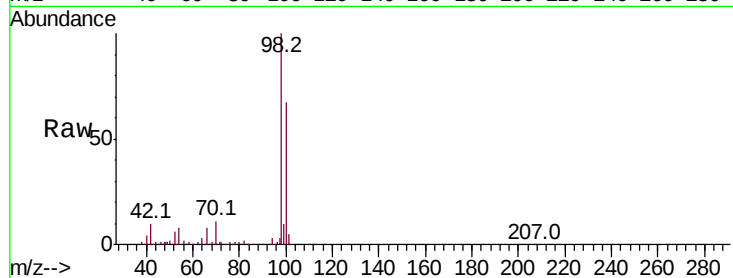
KENS-B1-111820-0-1

Tot Ion: 43 Resp: 1634

Ion Ratio Lower Upper

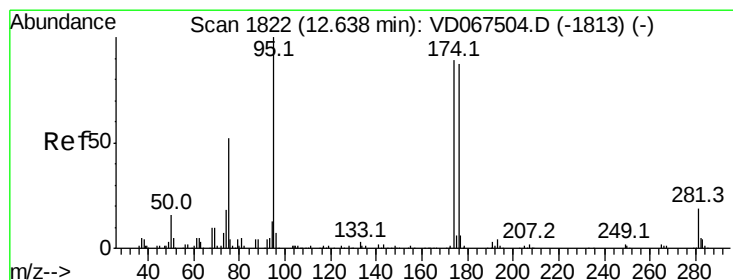
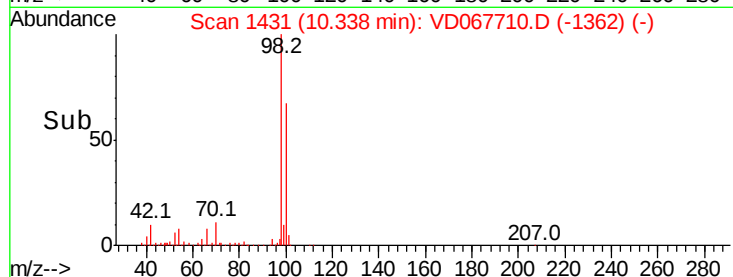
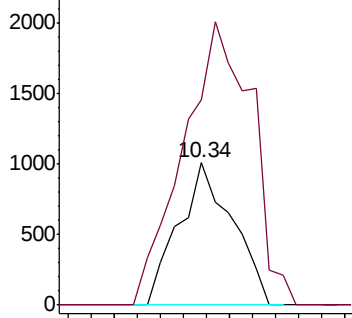
43 100

58 253.8 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

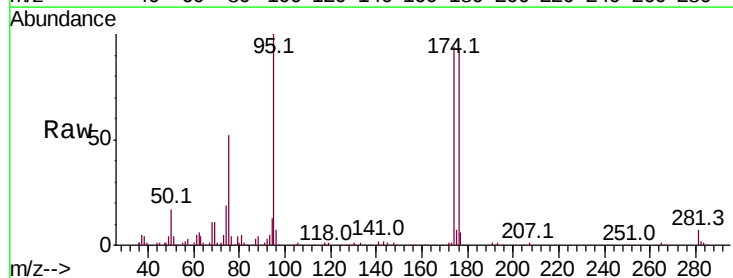
Tgt Ion: 95 Resp: 192621

Ion Ratio Lower Upper

95 100

174 93.2 0.0 177.8

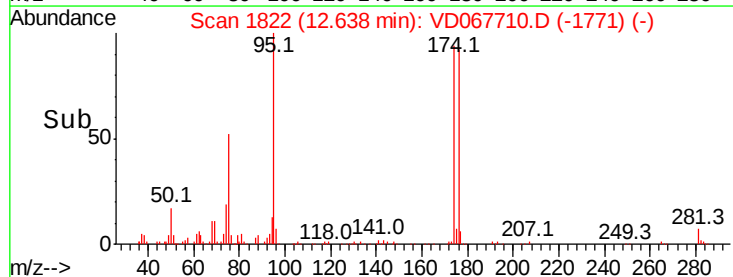
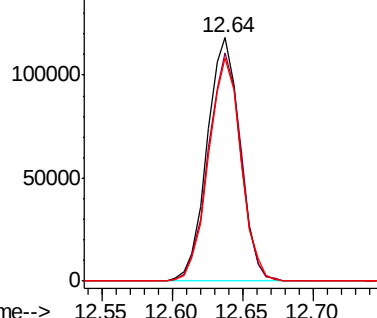
176 90.3 0.0 172.0

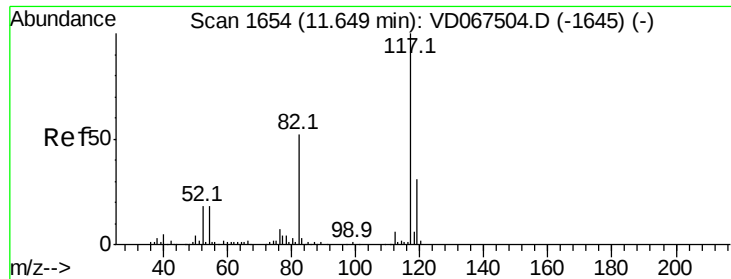


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

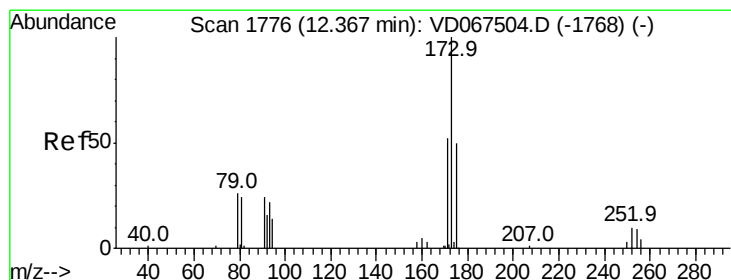
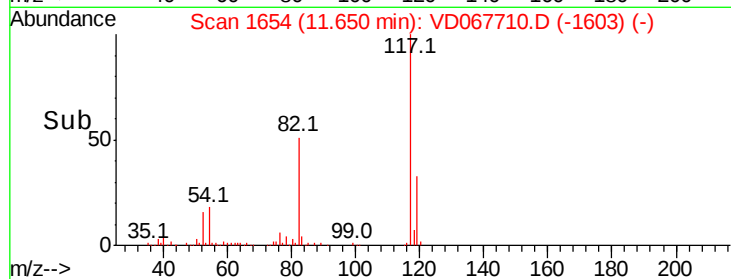
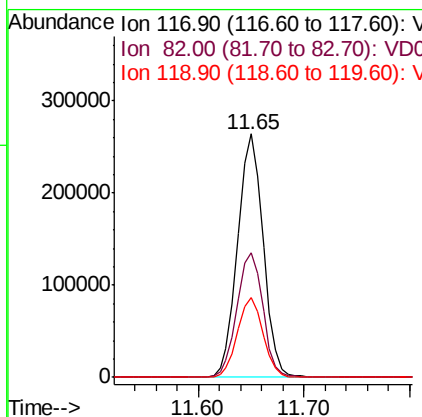
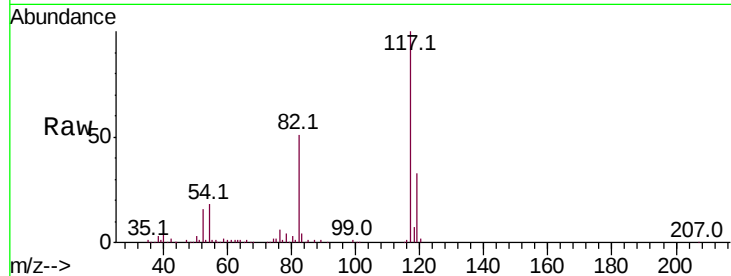




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067710.D
Acq: 19 Nov 2020 16:04

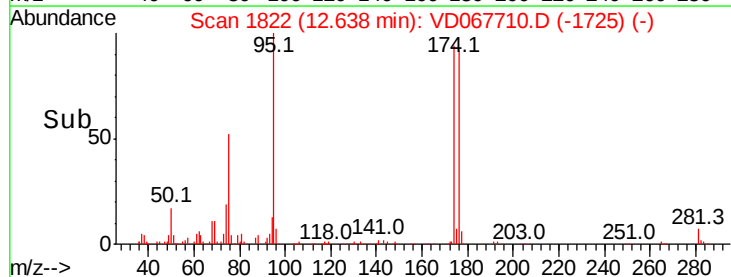
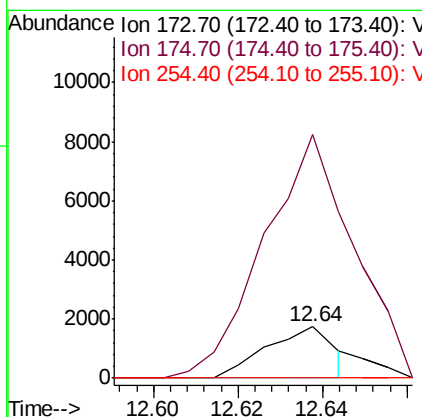
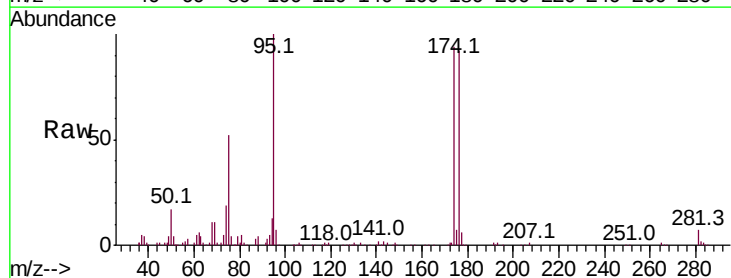
Instrument :
MSVOA_D
ClientSampleId :
KENS-B1-111820-0-1

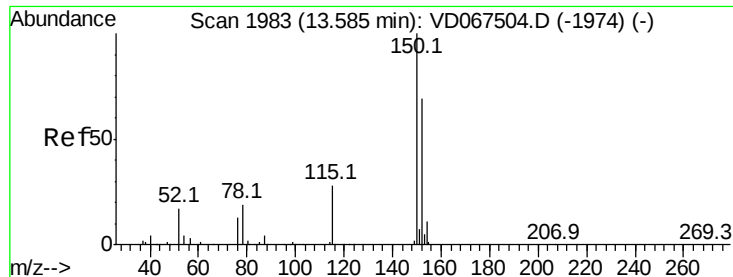
Tot Ion:117 Resp: 443219
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 32.8 25.1 37.7



#71
Bromoform
Concen: 1.130 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD067710.D
Acq: 19 Nov 2020 16:04

Tgt Ion:173 Resp: 1940
Ion Ratio Lower Upper
173 100
175 515.6 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-0-1

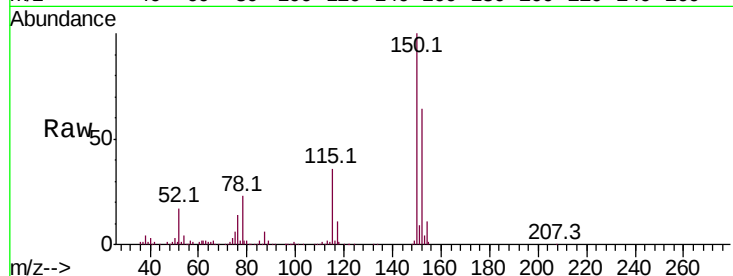
Tot Ion:152 Resp: 226273

Ion Ratio Lower Upper

152 100

115 57.7 29.3 88.0

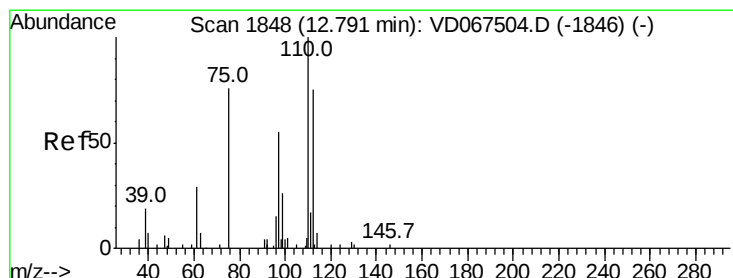
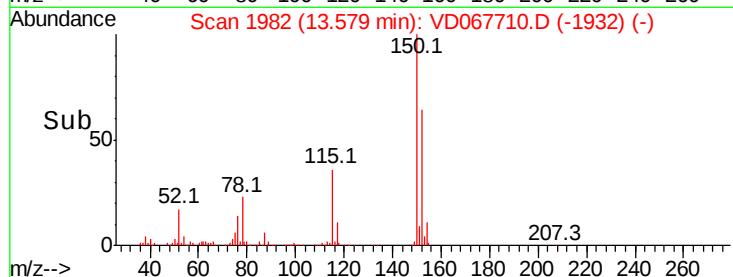
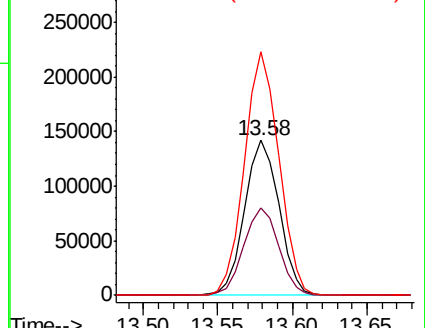
150 157.0 0.0 338.2



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: 73.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067710.D

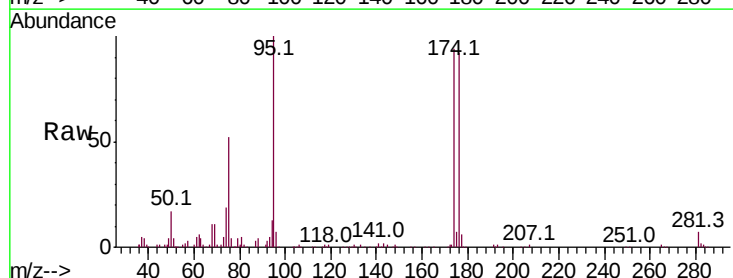
Acq: 19 Nov 2020 16:04

Tgt Ion: 75 Resp: 99959

Ion Ratio Lower Upper

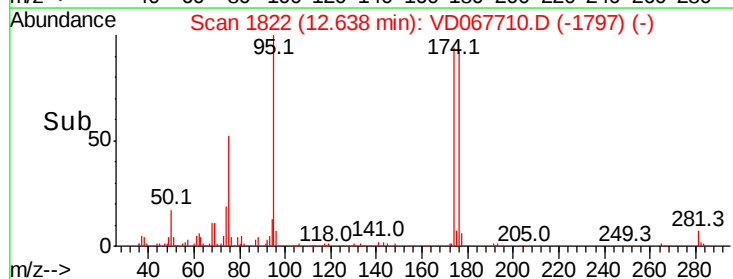
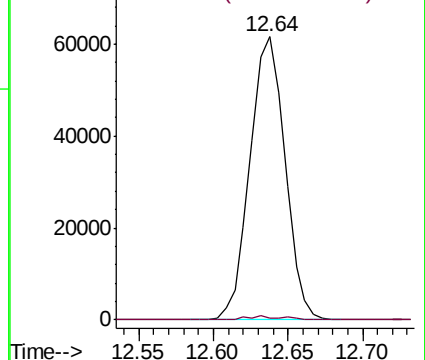
75 100

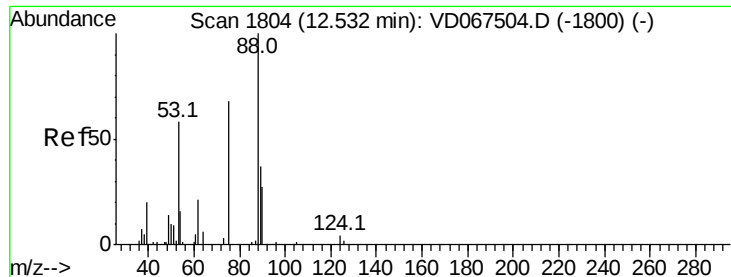
77 1.0 0.0 0.0#



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: 148.676 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067710.D

Acq: 19 Nov 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

KENS-B1-111820-0-1

Tot Ion: 75 Resp: 99959

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

