

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066194.D
 Acq On : 11 Aug 2020 18:45
 Operator : VA/SY
 Sample : L3654-03
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-15

Quant Time: Aug 11 21:01:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	414094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	491357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282203	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	106970	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
35) Dibromofluoromethane	7.91	113	124708	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
50) Toluene-d8	10.34	98	518165	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	239222	68.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.12%	

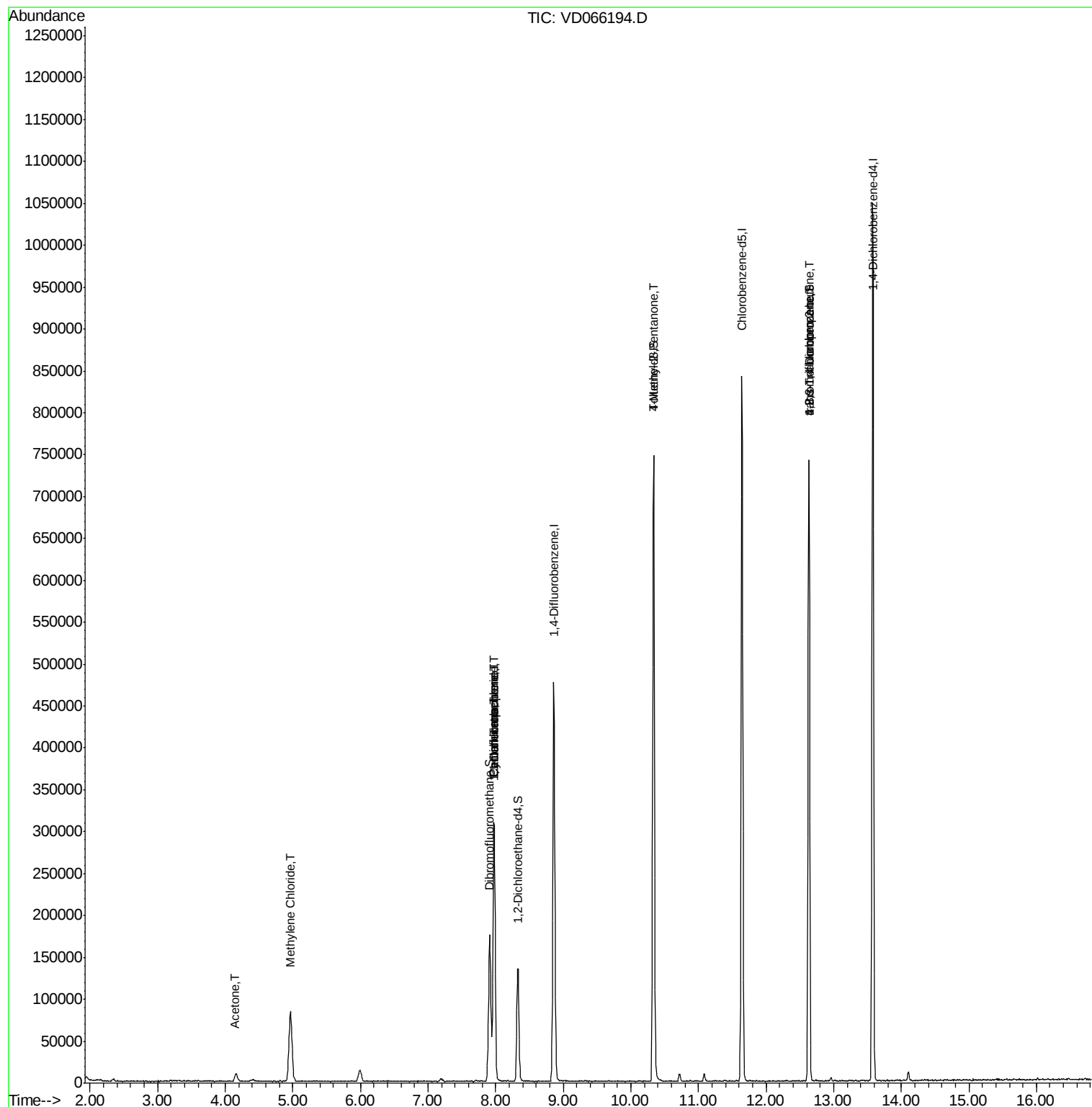
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	61	Below Cal	#	76
16) Acetone	4.15	43	15956	38.376	ug/l	96
20) Methylene Chloride	4.96	84	64132	24.477	ug/l	98
31) Cyclohexane	7.97	56	4668	1.216	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	17144	4.406	ug/l #	52
38) Carbon Tetrachloride	7.98	117	23402	5.393	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	2261	1.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	120011	50.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	120011	112.728	ug/l #	13

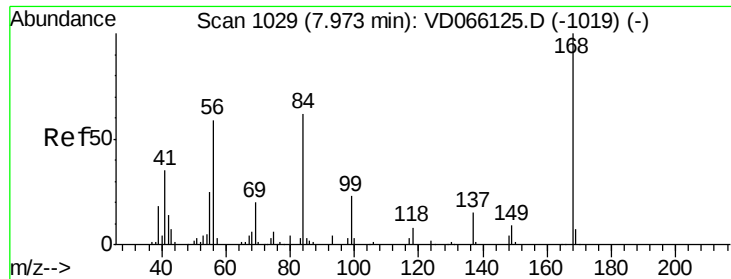
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 21:01:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 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: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

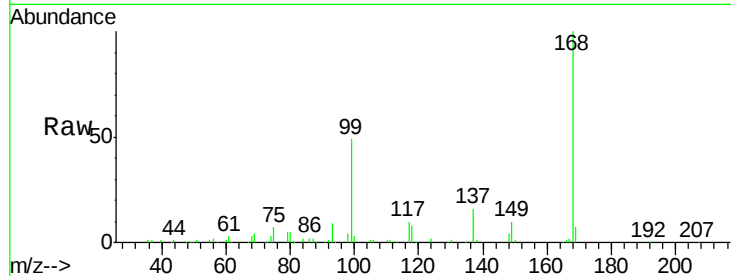
CS-15

Tgt Ion:168 Resp: 245619

Ion Ratio Lower Upper

168 100

99 49.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

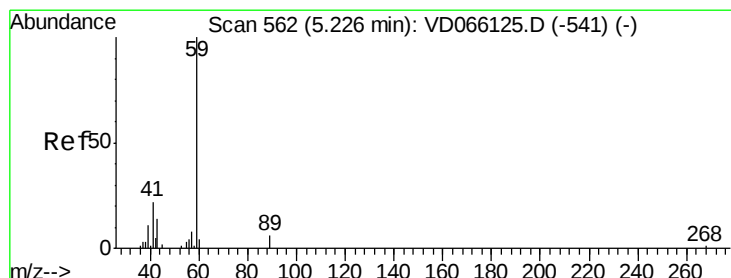
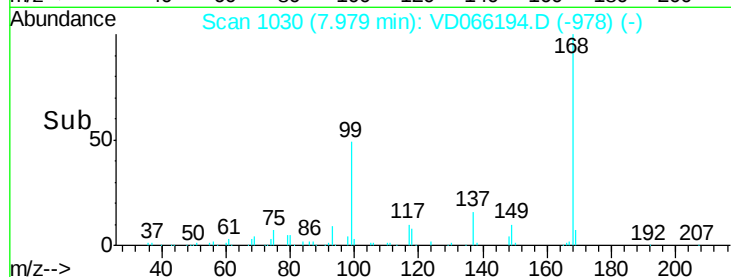
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066194.D

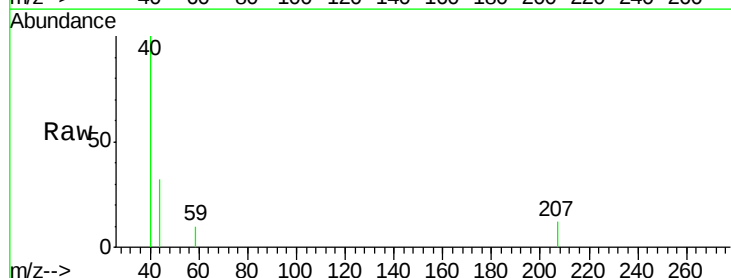
Acq: 11 Aug 2020 18:45

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

200

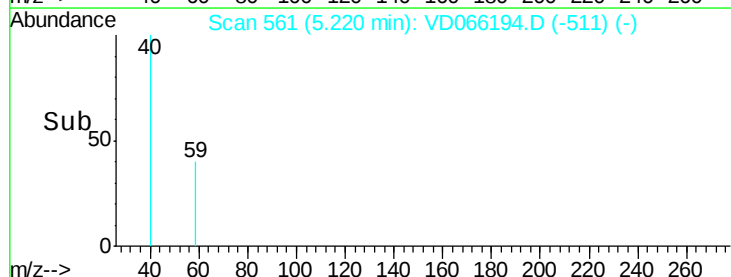
150

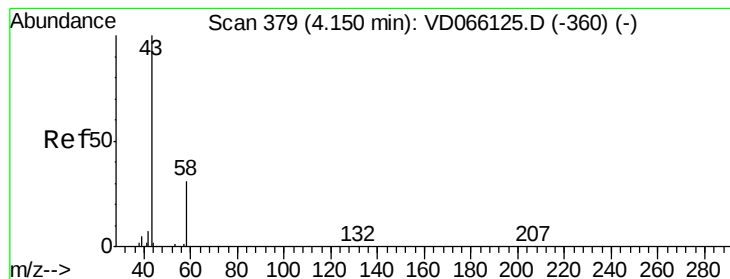
100

50

0

Time-->





#16

Acetone

Concen: 38.376 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

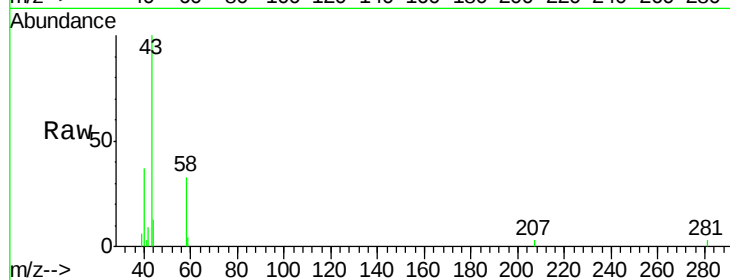
CS-15

Tgt Ion: 43 Resp: 15956

Ion Ratio Lower Upper

43 100

58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

6000

5000

4000

3000

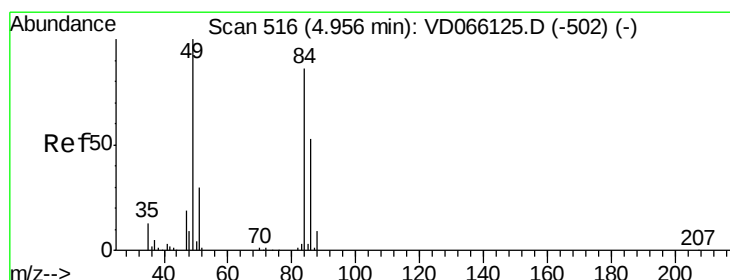
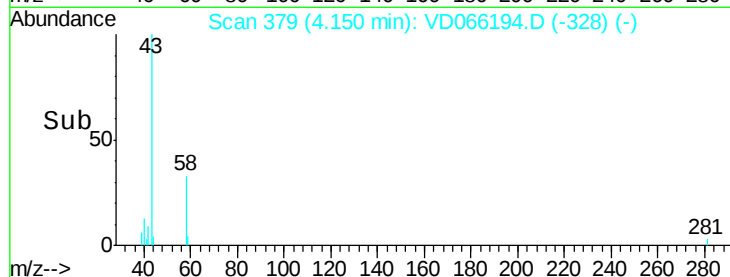
2000

1000

0

Time-->

4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 24.477 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Tgt Ion: 84 Resp: 64132

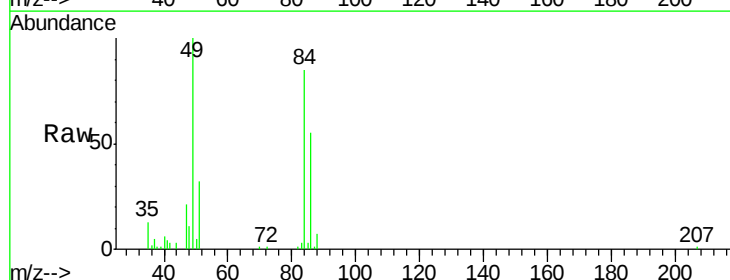
Ion Ratio Lower Upper

84 100

49 117.7 93.5 140.3

51 37.2 28.2 42.4

86 64.4 49.5 74.3



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

4.96

30000

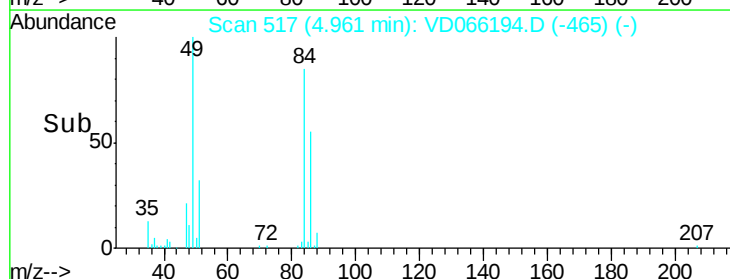
20000

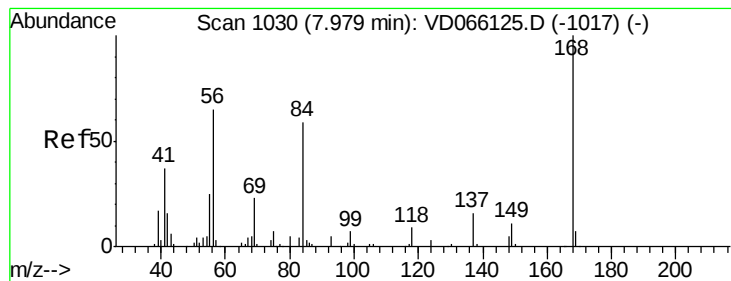
10000

0

Time-->

4.80 4.90 5.00 5.10





#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

CS-15

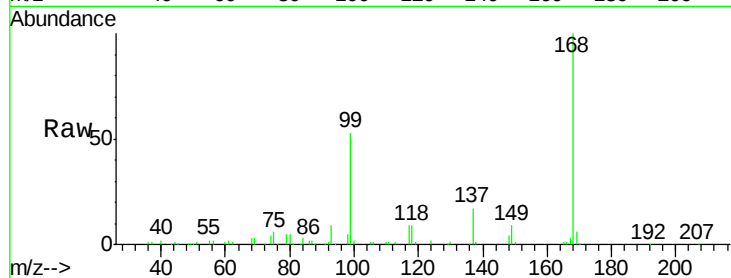
Tgt Ion: 56 Resp: 4668

Ion Ratio Lower Upper

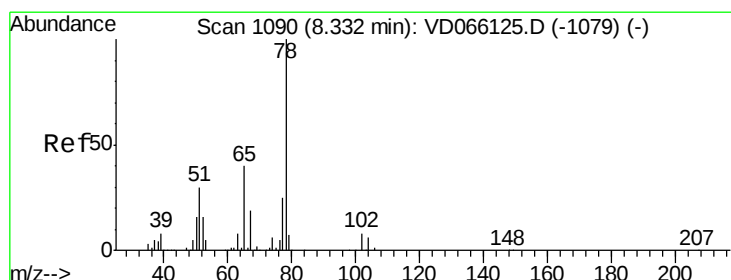
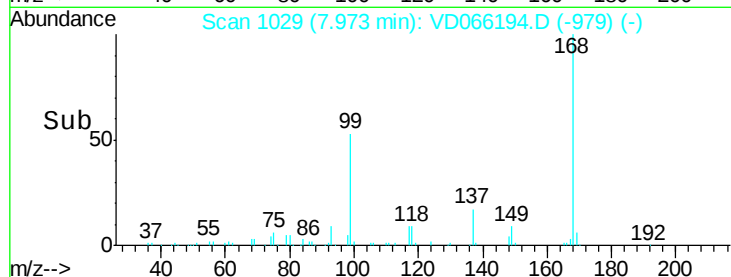
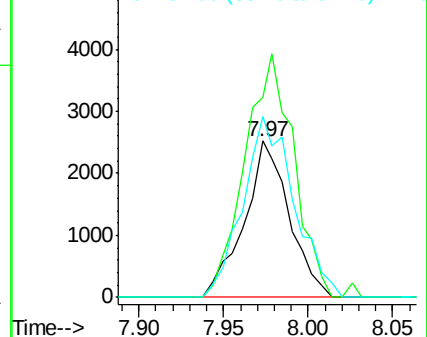
56 100

69 127.6 28.8 43.2#

84 115.4 73.0 109.6#



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: 48.816 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066194.D

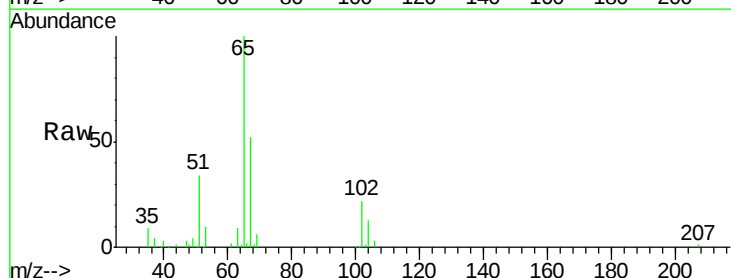
Acq: 11 Aug 2020 18:45

Tgt Ion: 65 Resp: 106970

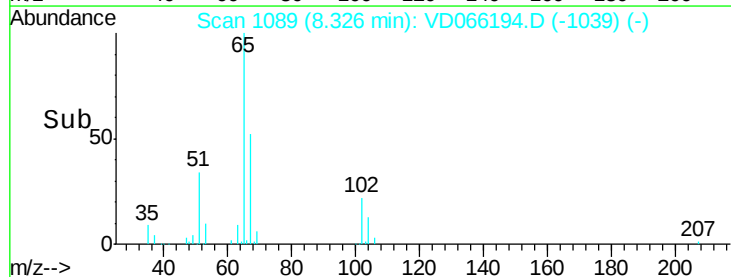
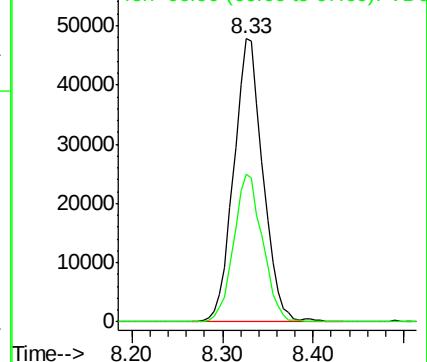
Ion Ratio Lower Upper

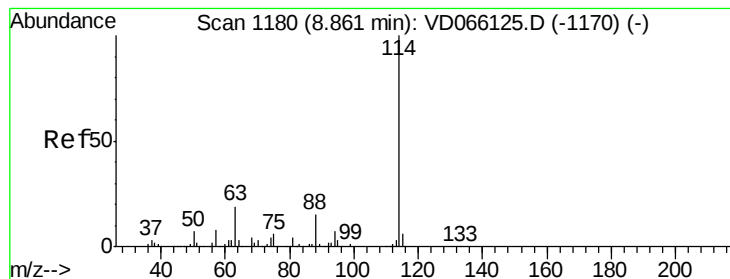
65 100

67 51.6 0.0 104.6



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

CS-15

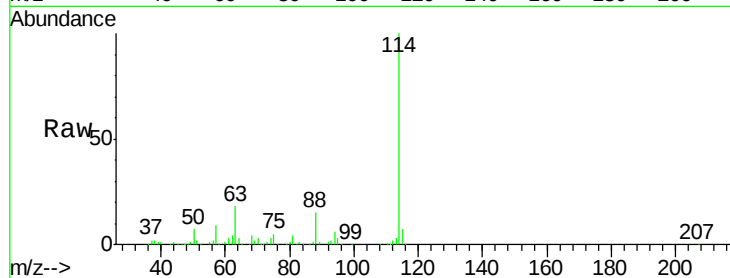
Tgt Ion:114 Resp: 414094

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.6

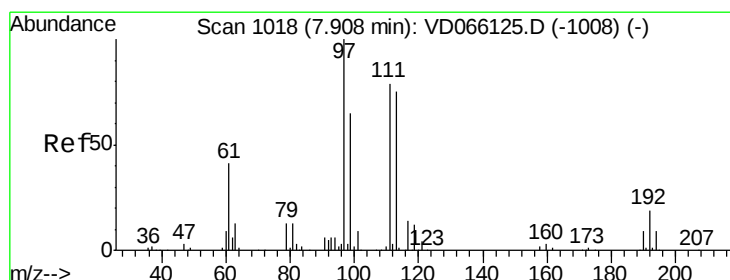
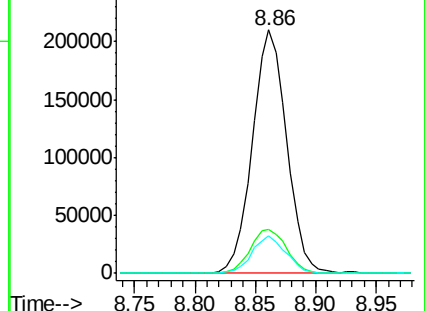
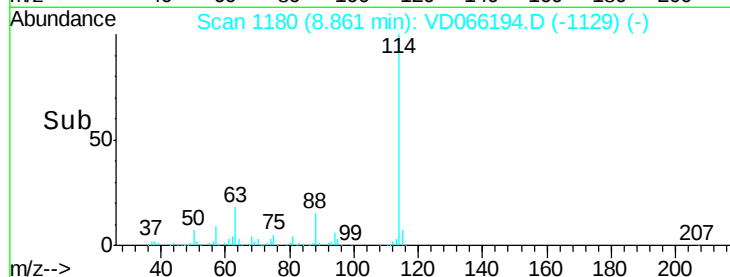
88 15.2 0.0 30.0



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: 47.540 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

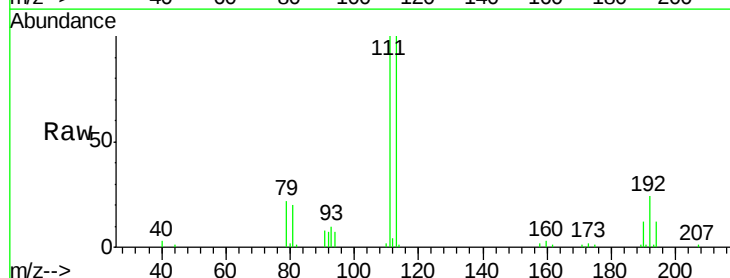
Tgt Ion:113 Resp: 124708

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

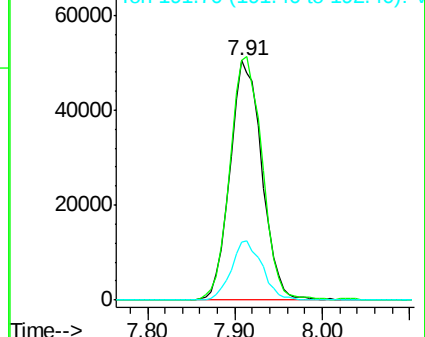
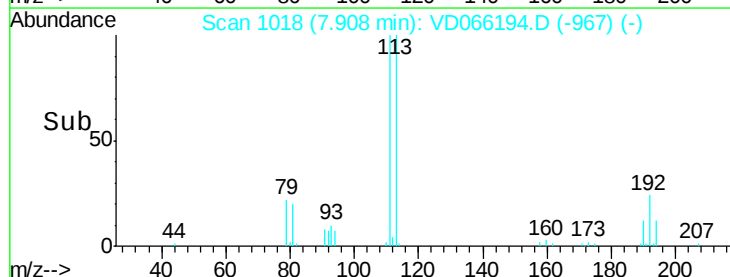
192 24.1 18.4 27.6

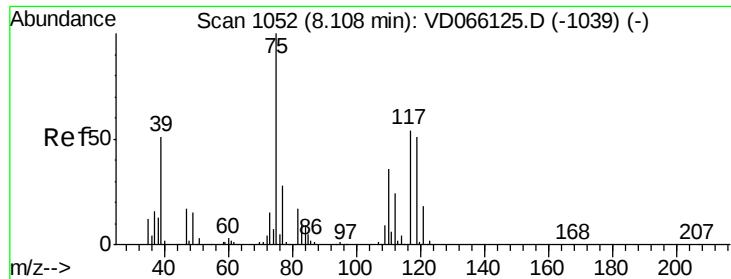


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

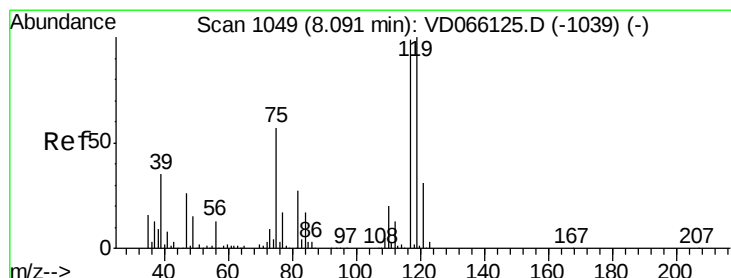
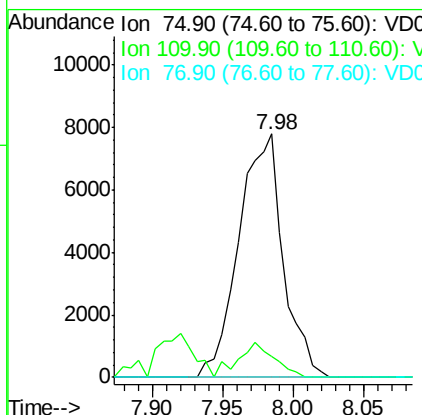
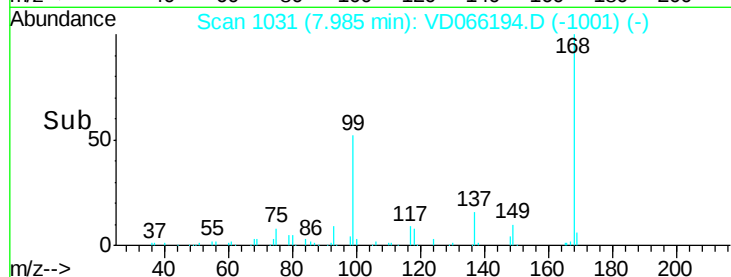
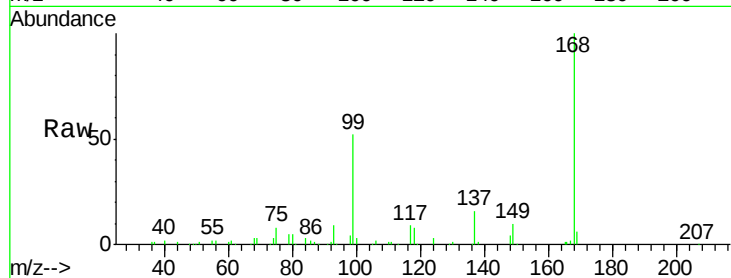




#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066194.D
 Acq: 11 Aug 2020 18:45

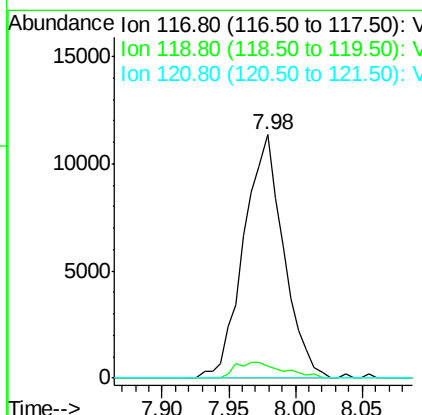
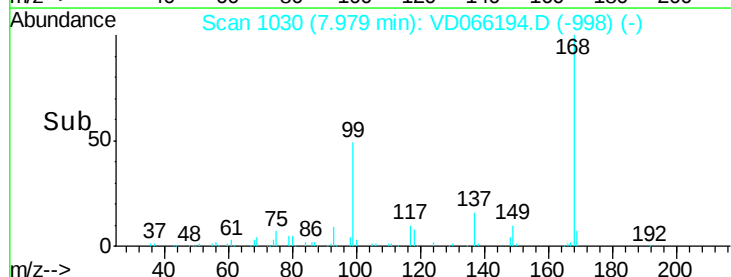
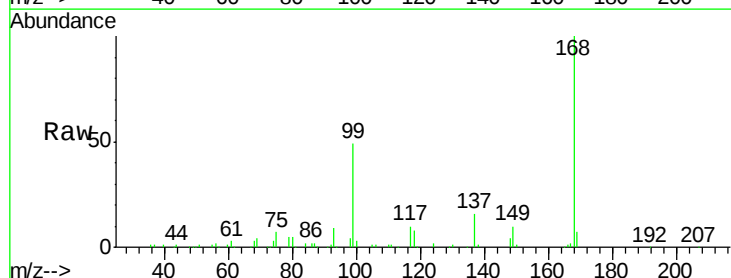
Instrument :
 MSVOA_D
 ClientSampled :
 CS-15

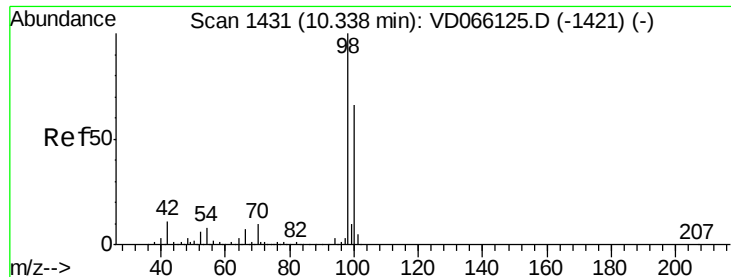
Tgt Ion: 75 Resp: 17144
 Ion Ratio Lower Upper
 75 100
 110 11.8 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.393 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066194.D
 Acq: 11 Aug 2020 18:45

Tgt Ion: 117 Resp: 23402
 Ion Ratio Lower Upper
 117 100
 119 4.8 81.0 121.4#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.527 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

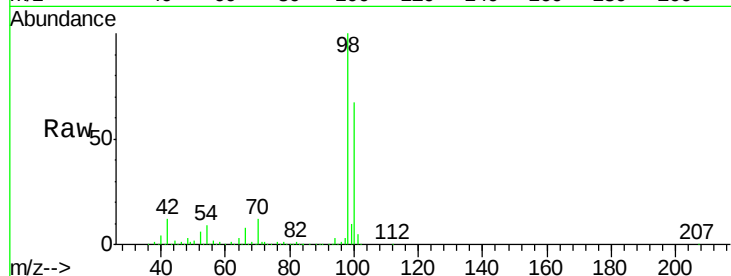
CS-15

Tgt Ion: 98 Resp: 518165

Ion Ratio Lower Upper

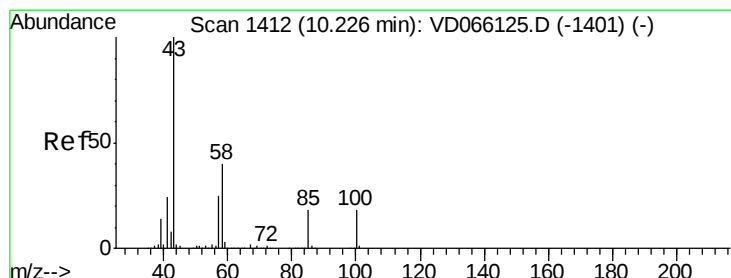
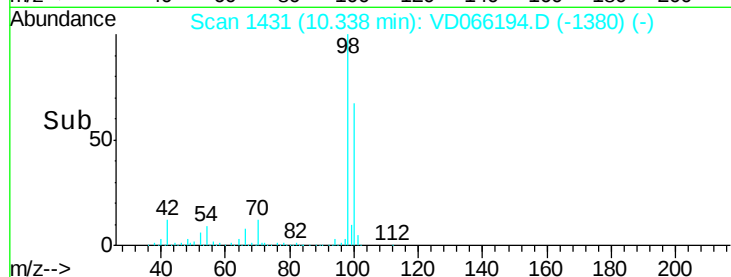
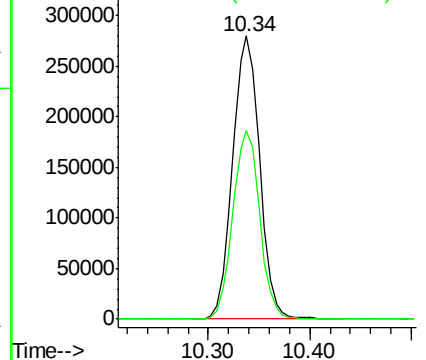
98 100

100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.449 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066194.D

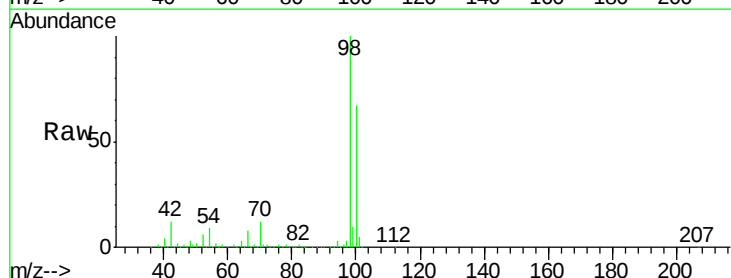
Acq: 11 Aug 2020 18:45

Tgt Ion: 43 Resp: 2261

Ion Ratio Lower Upper

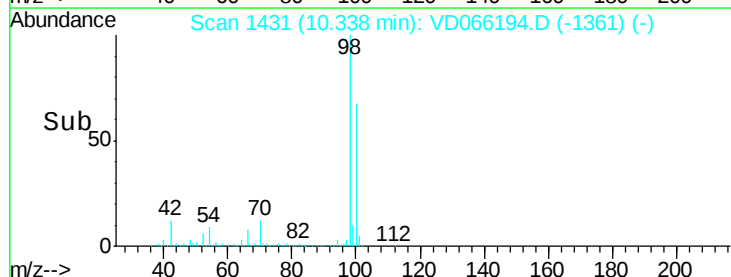
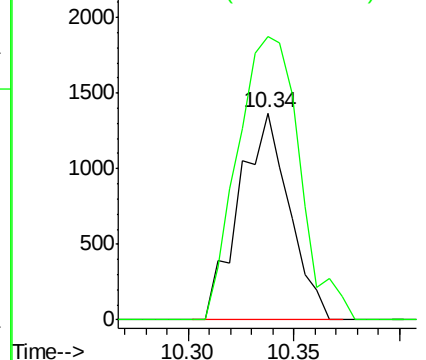
43 100

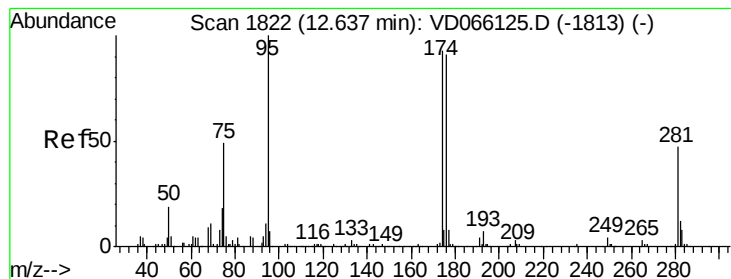
58 169.3 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 68.557 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

CS-15

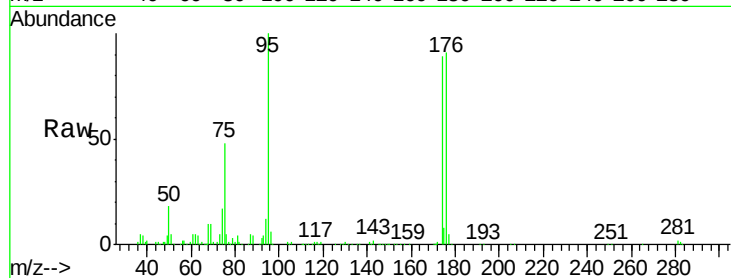
Tgt Ion: 95 Resp: 239222

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.8

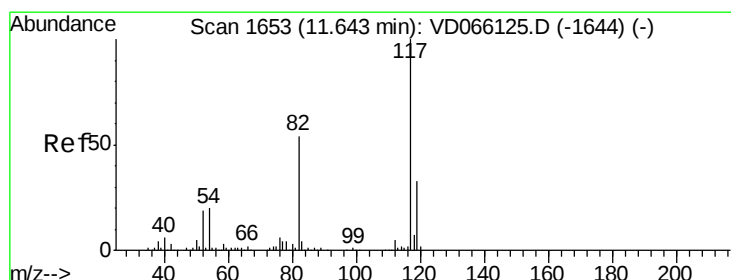
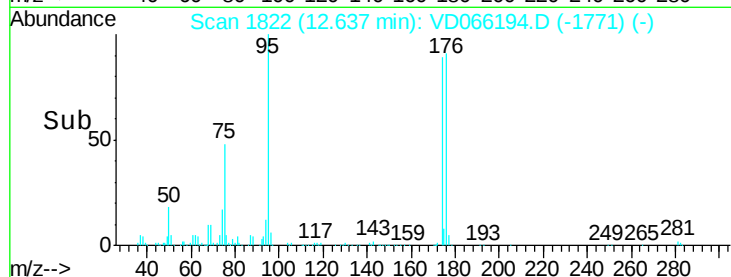
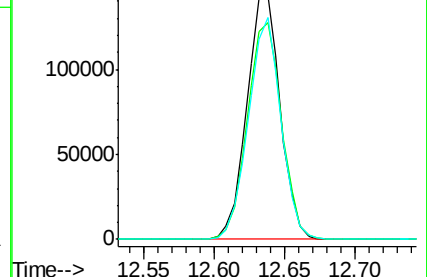
176 88.2 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066125.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD066125.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD066125.D (-1813) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

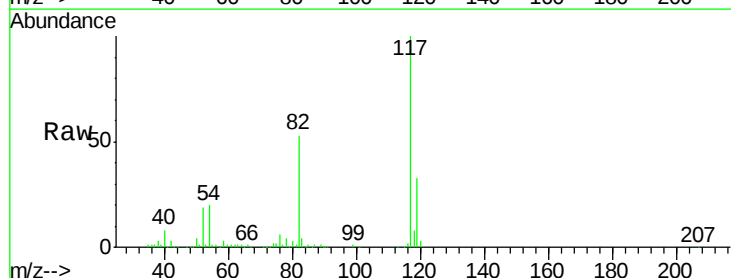
Tgt Ion: 117 Resp: 491357

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.4

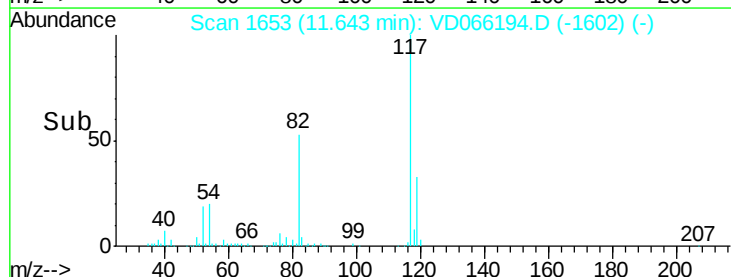
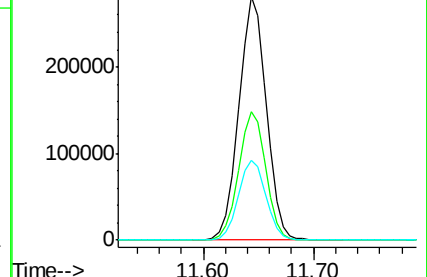
119 32.8 26.1 39.1

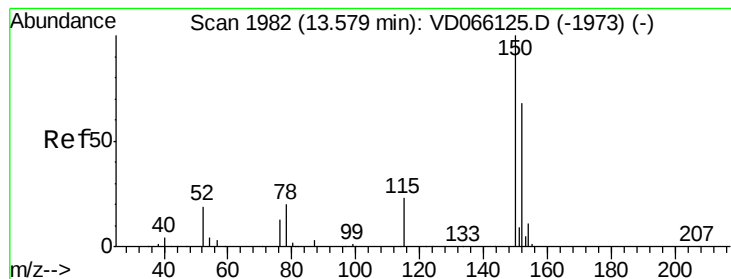


Abundance Ion 116.90 (116.60 to 117.60): VD066125.D (-1644) (-)

Ion 82.00 (81.70 to 82.70): VD066125.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD066125.D (-1644) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

CS-15

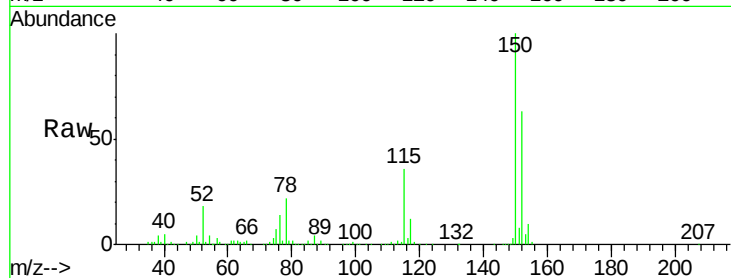
Tgt Ion:152 Resp: 282203

Ion Ratio Lower Upper

152 100

115 55.8 28.0 83.9

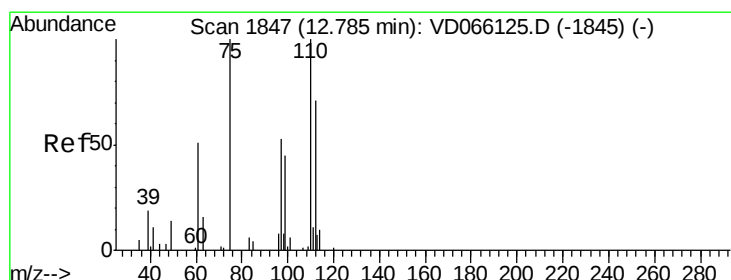
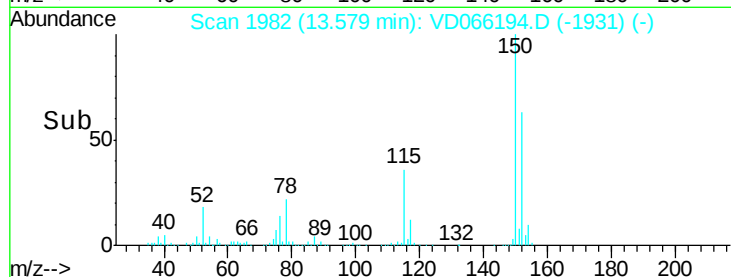
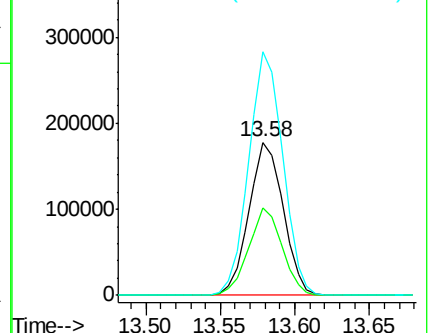
150 158.2 0.0 346.4



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: 50.995 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066194.D

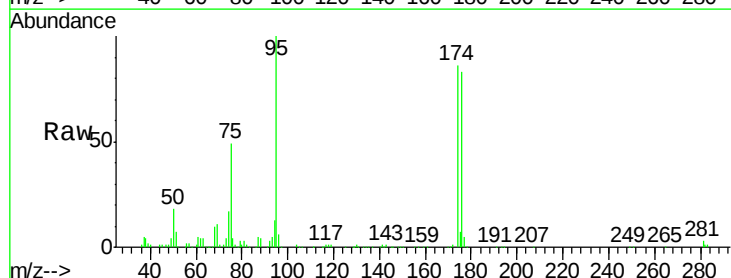
Acq: 11 Aug 2020 18:45

Tgt Ion: 75 Resp: 120011

Ion Ratio Lower Upper

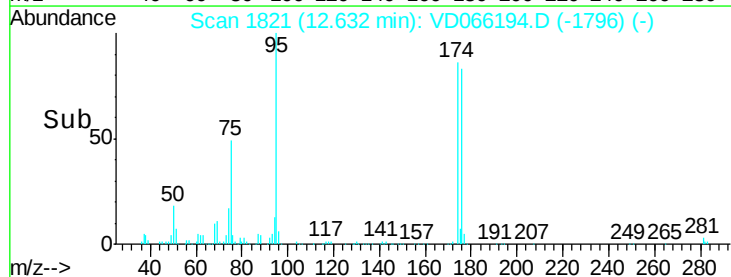
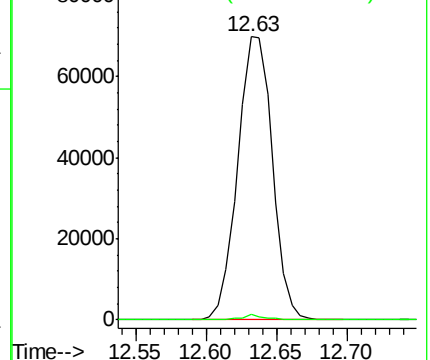
75 100

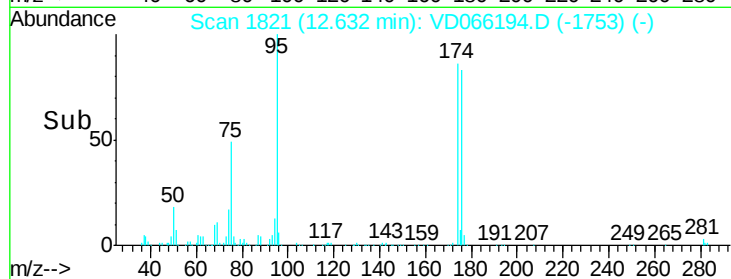
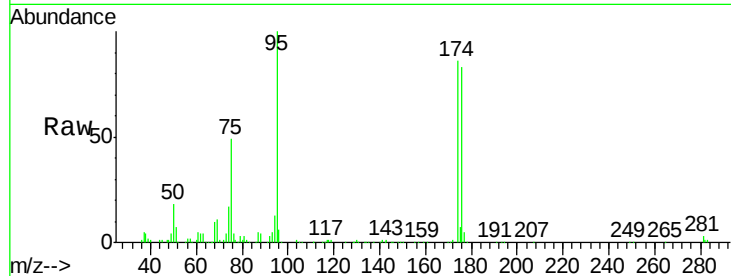
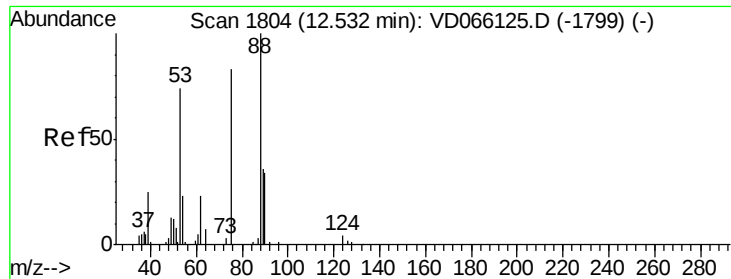
77 1.3 0.0 0.0#



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: 112.728 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066194.D

Acq: 11 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

CS-15

Tgt Ion: 75 Resp: 120011

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.1 36.6 55.0#

