

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
 Data File : VD066257.D
 Acq On : 17 Aug 2020 14:56
 Operator : VA/SY
 Sample : L3679-11RE
 Misc : 9.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S411-K-SO-1-1.5-081220RE

Quant Time: Aug 17 15:26:33 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	7.97	168	392769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	768317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	447050	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	142554	40.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.36%	
35) Dibromofluoromethane	7.91	113	172542	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
50) Toluene-d8	10.34	98	754454	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.63	95	396732	78.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.20%	

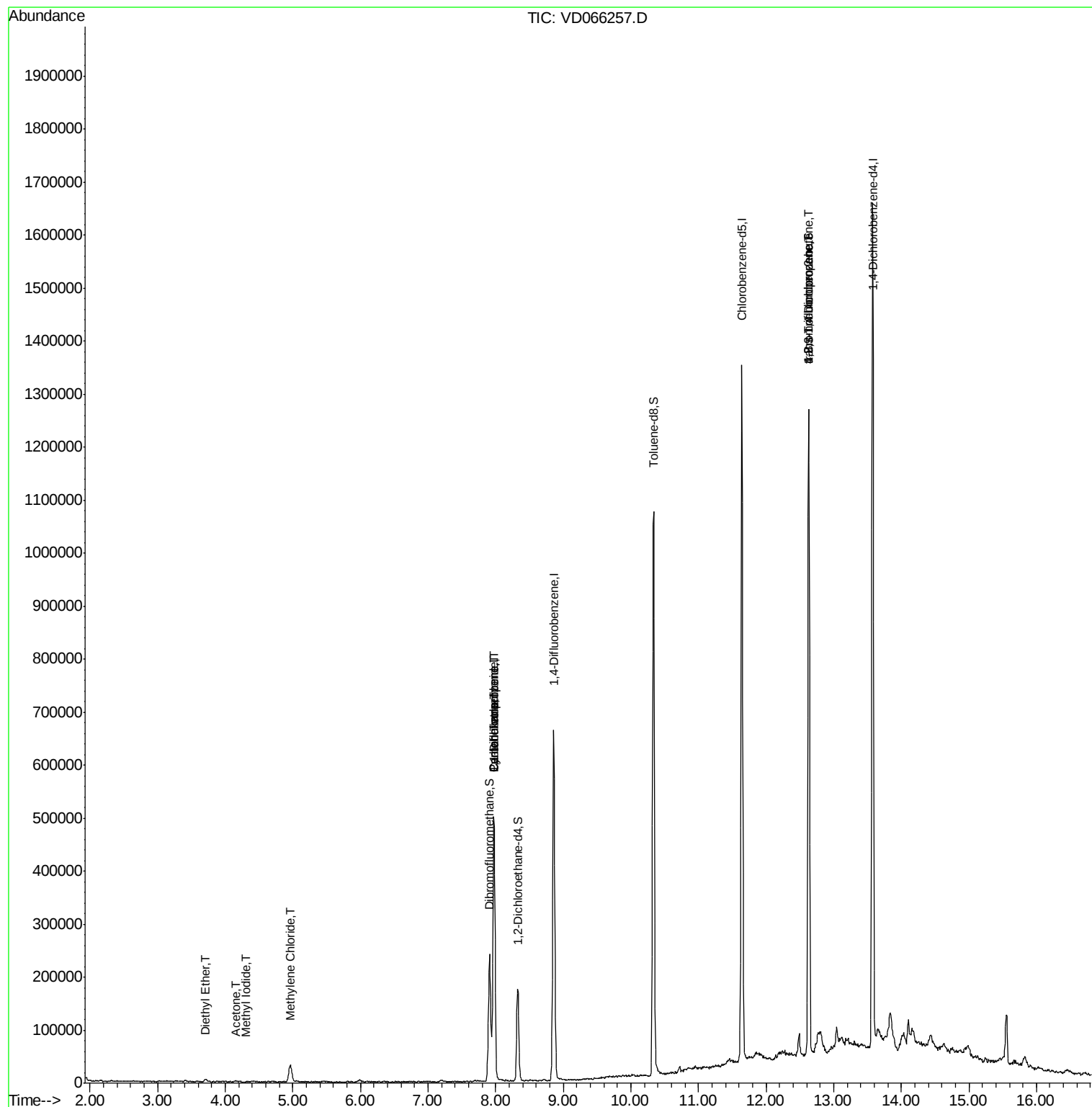
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2349	1.340	ug/l	91
10) Methyl Iodide	4.31	142	151	6.750	ug/l #	39
11) Tert butyl alcohol	5.20	59	327	Below Cal	#	76
16) Acetone	4.15	43	3119	4.691	ug/l #	84
20) Methylene Chloride	4.97	84	24793	2.017	ug/l	90
31) Cyclohexane	7.98	56	8022	1.307	ug/l #	12
36) 1,1-Dichloropropene	7.98	75	26039	4.597	ug/l #	51
38) Carbon Tetrachloride	7.97	117	38175	6.043	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	195462	52.430	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	195462	115.899	ug/l #	13

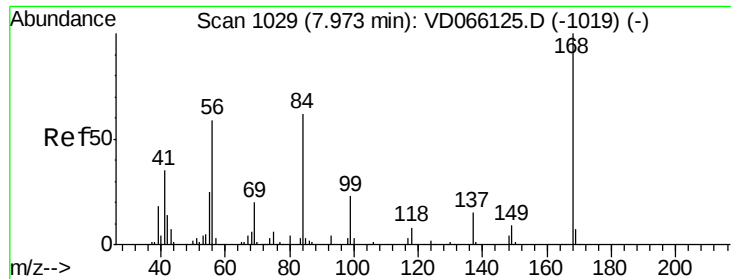
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

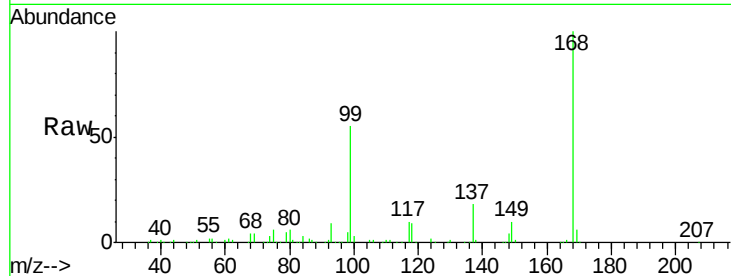
S411-K-SO-1-1.5-081220RE

Tgt Ion: 168 Resp: 392769

Ion Ratio Lower Upper

168 100

99 54.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

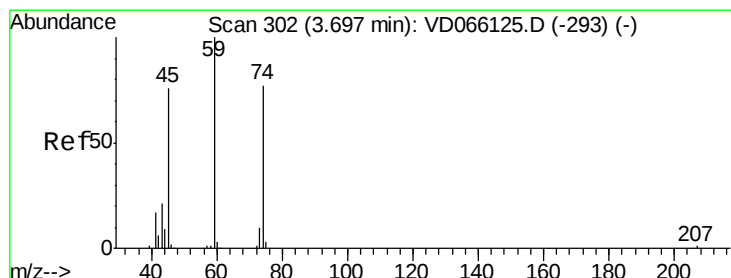
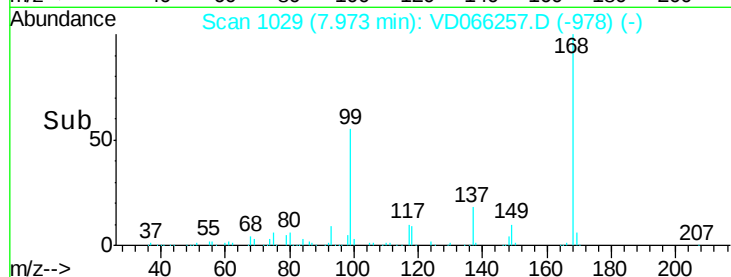
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.340 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066257.D

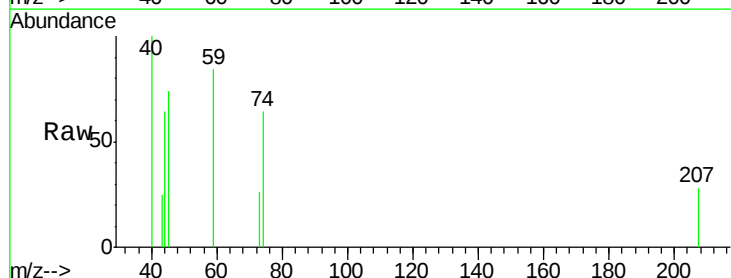
Acq: 17 Aug 2020 14:56

Tgt Ion: 74 Resp: 2349

Ion Ratio Lower Upper

74 100

45 105.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

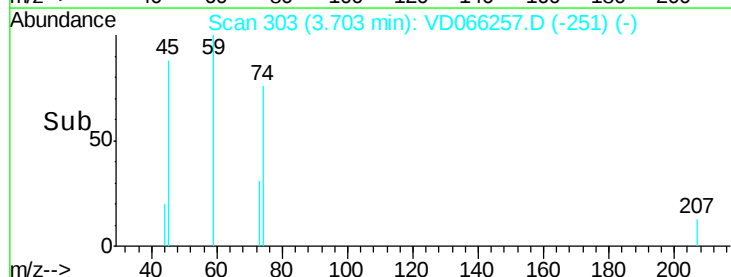
3.70

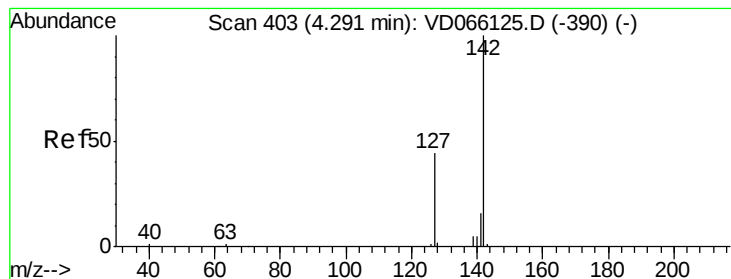
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 6.750 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

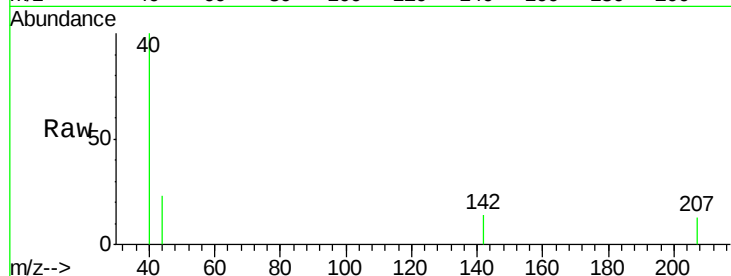
Instrument :

MSVOA_D

ClientSampleId :

S411-K-SO-1-1.5-081220RE

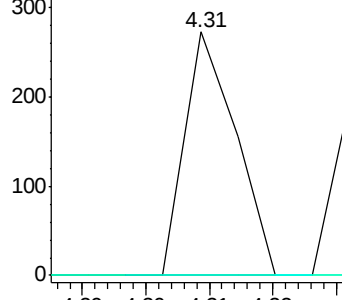
Tgt Ion:	142	Resp:	151
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.4#
141	0.0	12.6	18.8#



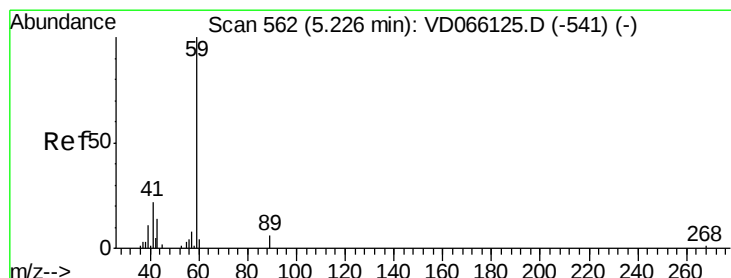
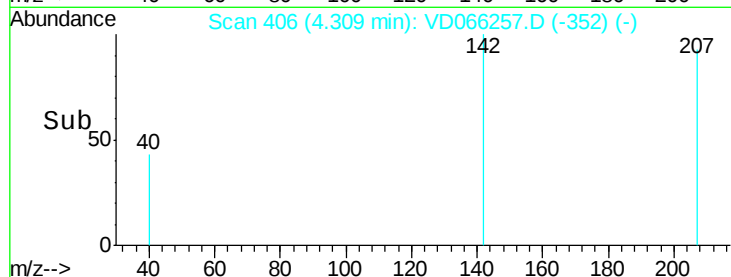
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

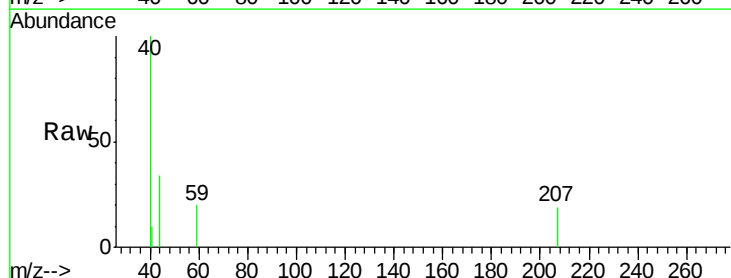
RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066257.D

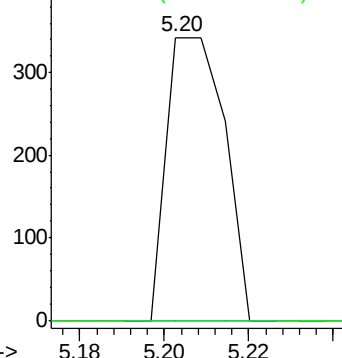
Acq: 17 Aug 2020 14:56

Tgt Ion:	59	Resp:	327
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

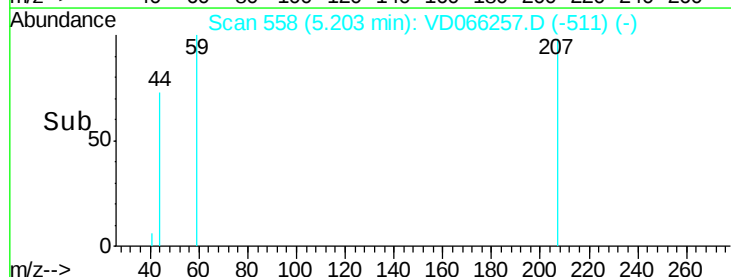


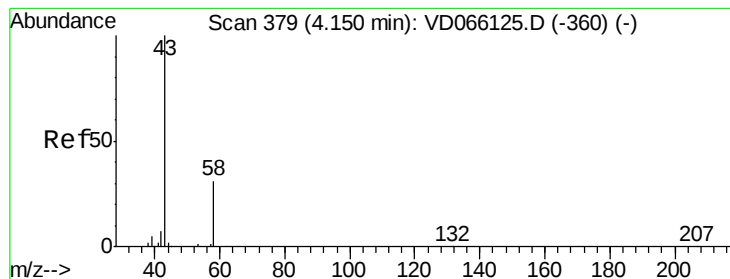
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 4.691 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

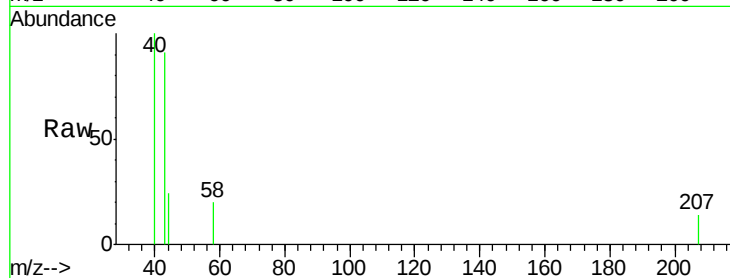
S411-K-SO-1-1.5-081220RE

Tgt Ion: 43 Resp: 3119

Ion Ratio Lower Upper

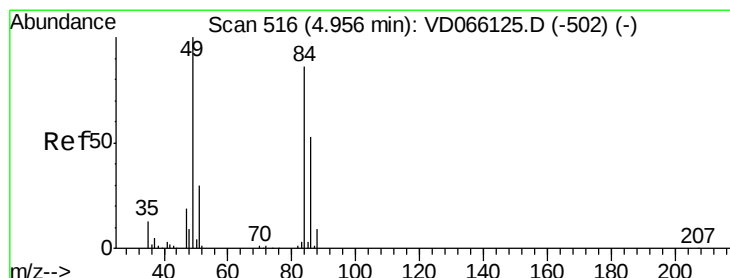
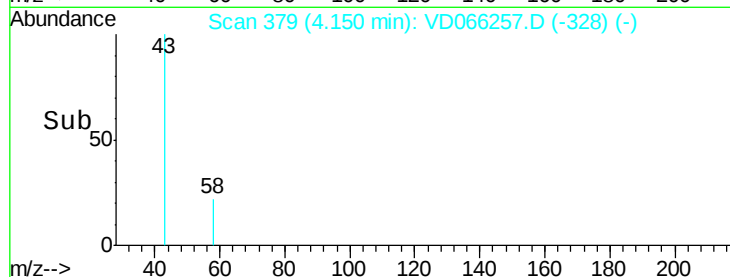
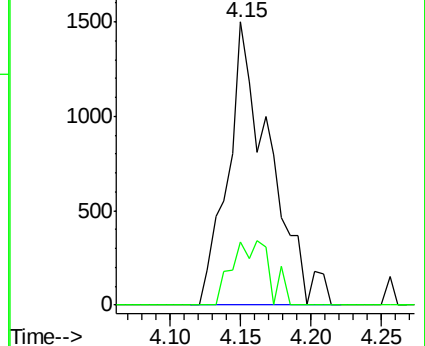
43 100

58 22.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 2.017 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

Tgt Ion: 84 Resp: 24793

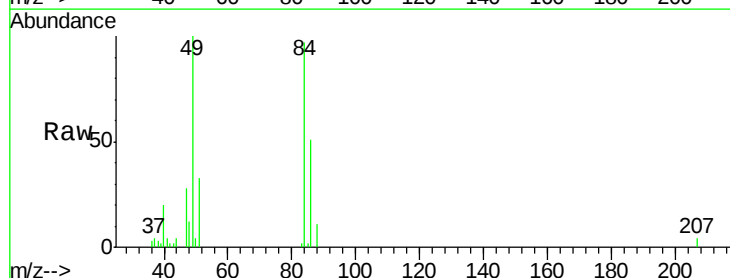
Ion Ratio Lower Upper

84 100

49 103.5 93.5 140.3

51 33.9 28.2 42.4

86 53.1 49.5 74.3

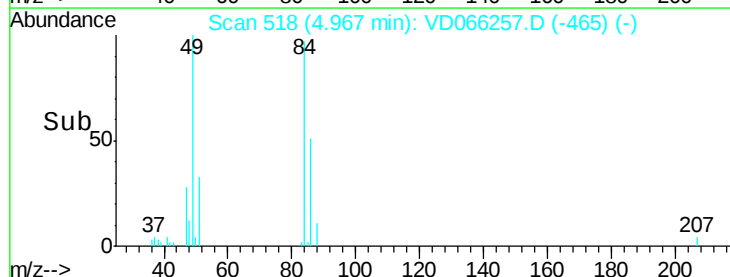
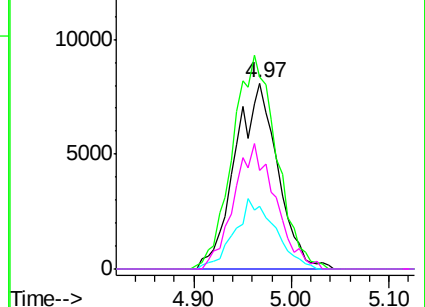


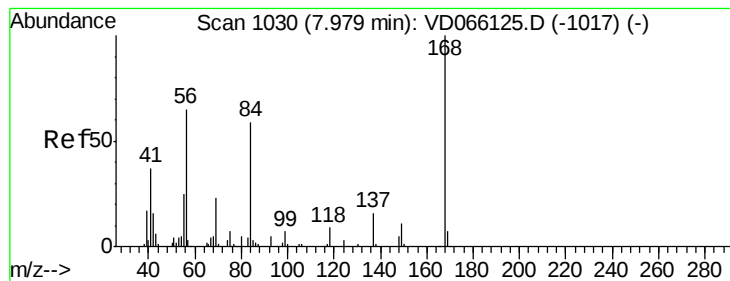
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066257.D

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Instrument :

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S411-K-SO-1-1.5-081220RE

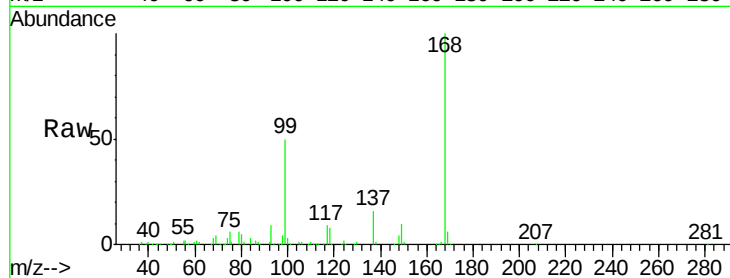
Tgt Ion: 56 Resp: 8022

Ion Ratio Lower Upper

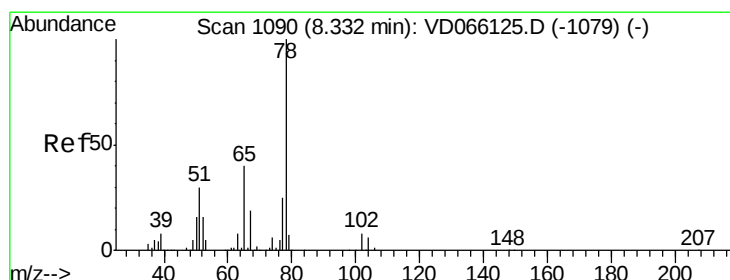
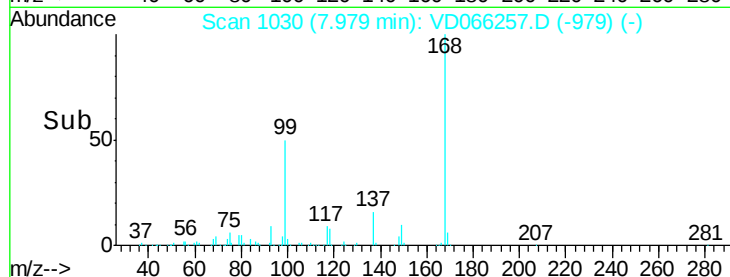
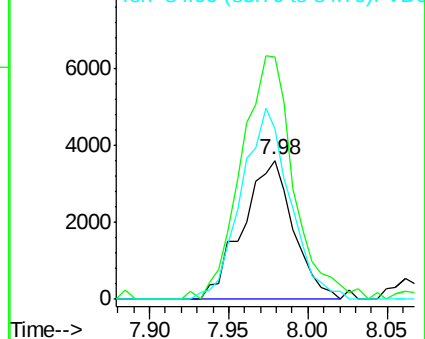
56 100

69 169.0 28.8 43.2#

84 122.9 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: 40.682 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066257.D

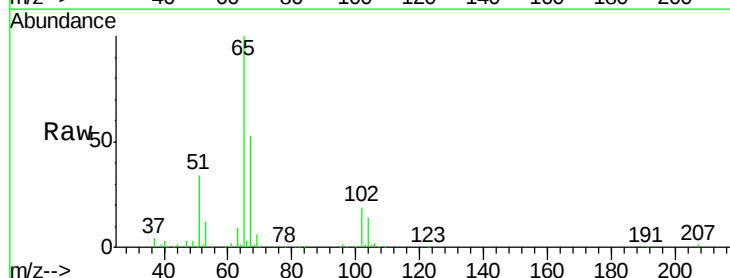
Acq: 17 Aug 2020 14:56

Tgt Ion: 65 Resp: 142554

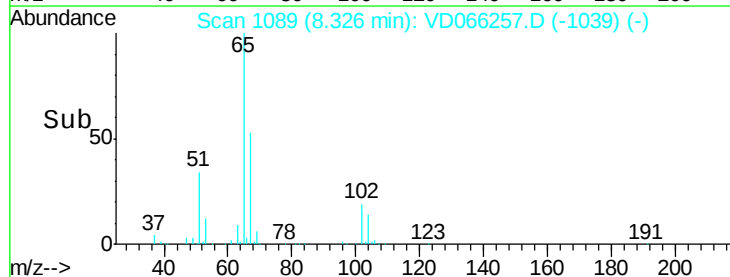
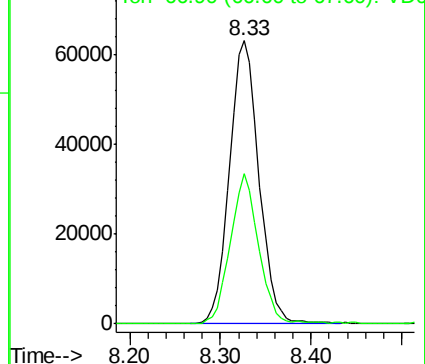
Ion Ratio Lower Upper

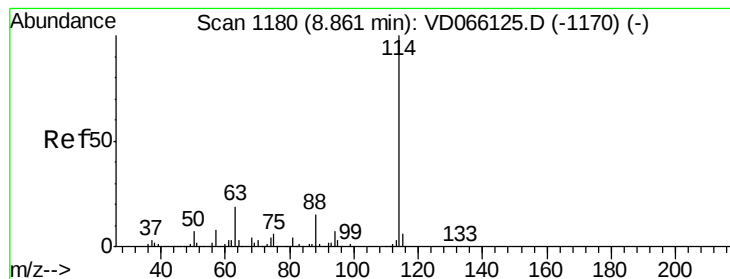
65 100

67 50.7 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: VD066257.D

Acq: 17 Aug 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

S411-K-SO-1-1.5-081220RE

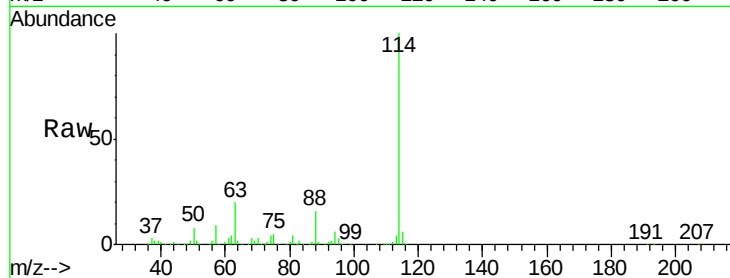
Tgt Ion:114 Resp: 602818

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

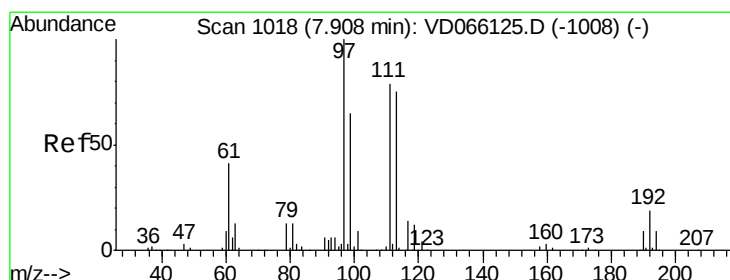
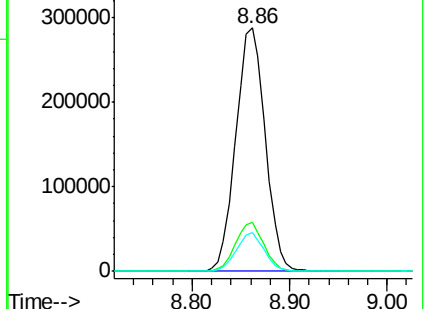
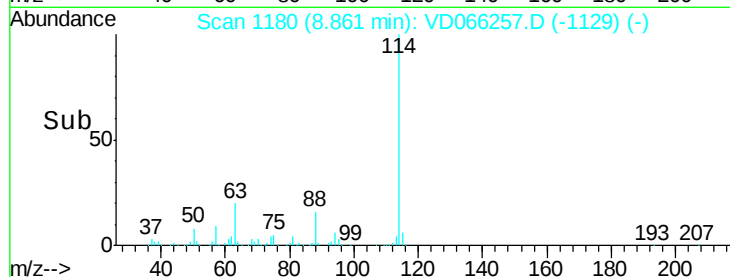
88 15.7 0.0 30.0



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: 45.182 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

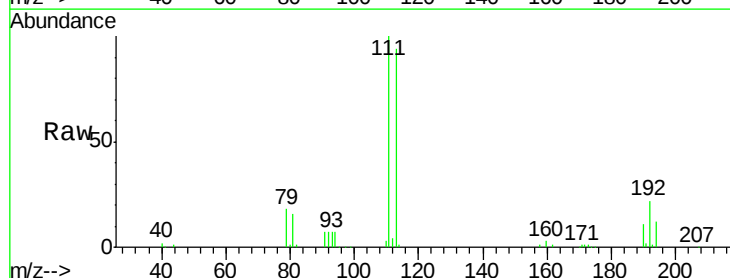
Tgt Ion:113 Resp: 172542

Ion Ratio Lower Upper

113 100

111 103.9 80.7 121.1

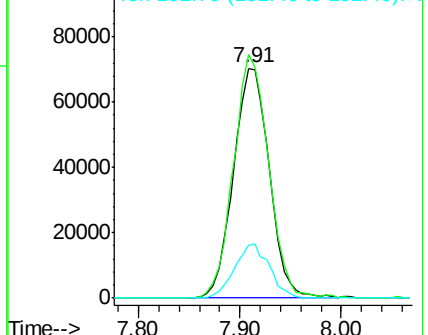
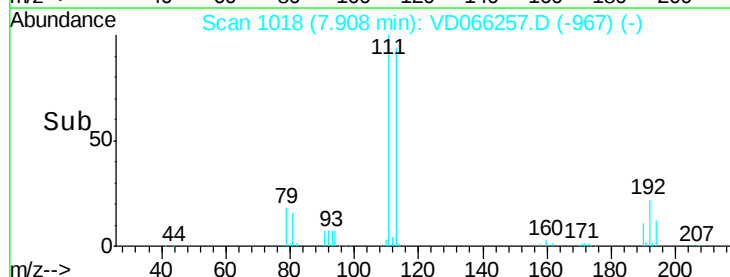
192 22.7 18.4 27.6

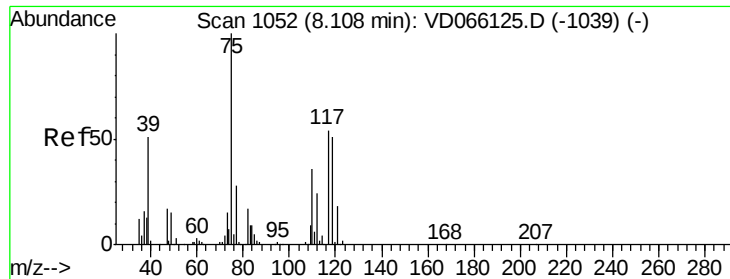


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

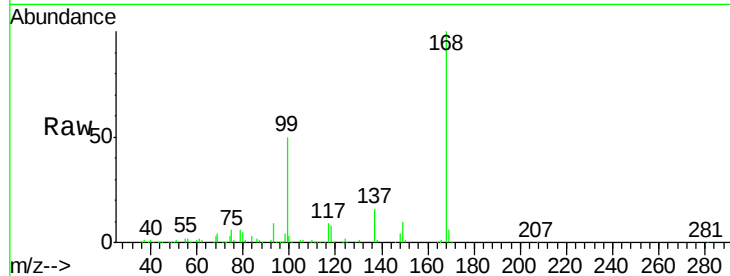




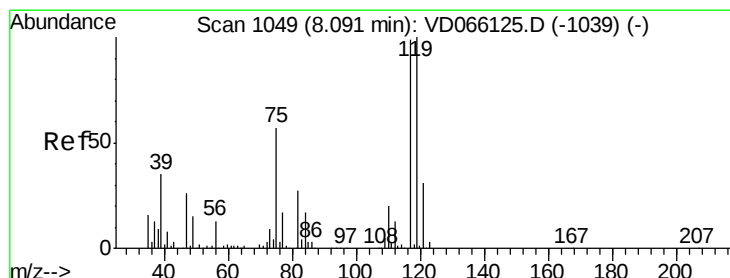
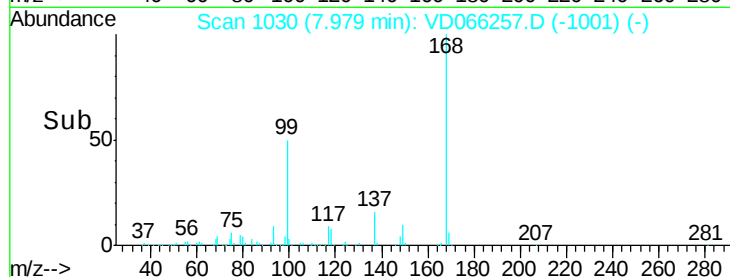
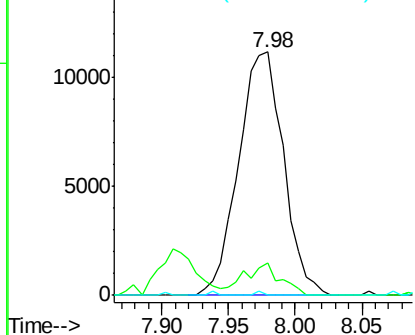
#36
 1,1-Dichloropropene
 Concen: 4.597 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066257.D
 Acq: 17 Aug 2020 14:56

Instrument :
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Tgt Ion: 75 Resp: 26039
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.8 56.3#
 77 0.2 24.2 36.2#

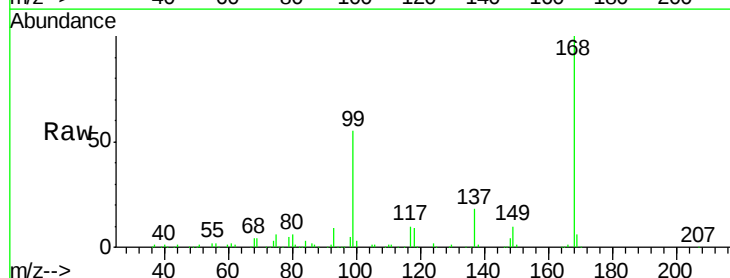


Abundance Ion 74.90 (74.60 to 75.60): VD
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VD

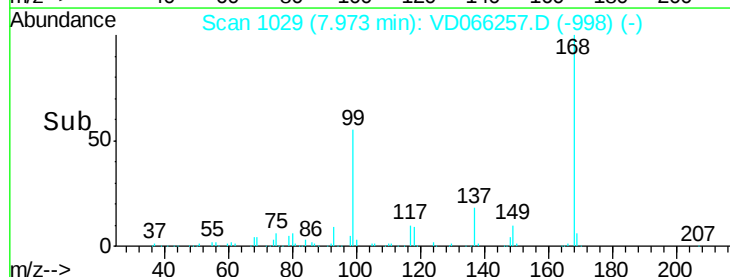
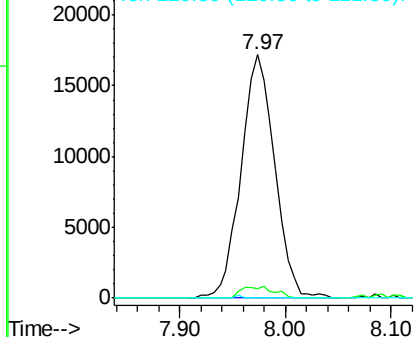


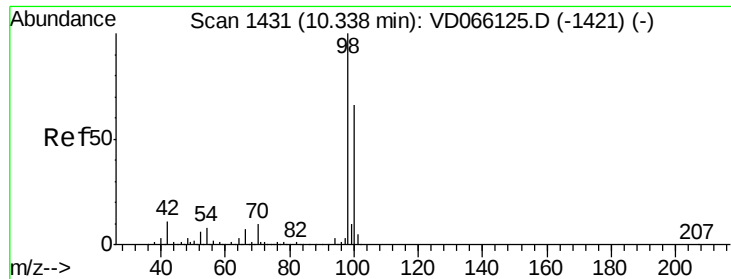
#38
 Carbon Tetrachloride
 Concen: 6.043 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066257.D
 Acq: 17 Aug 2020 14:56

Tgt Ion: 117 Resp: 38175
 Ion Ratio Lower Upper
 117 100
 119 4.1 81.0 121.4#
 121 0.0 24.8 37.2#



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: 53.537 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

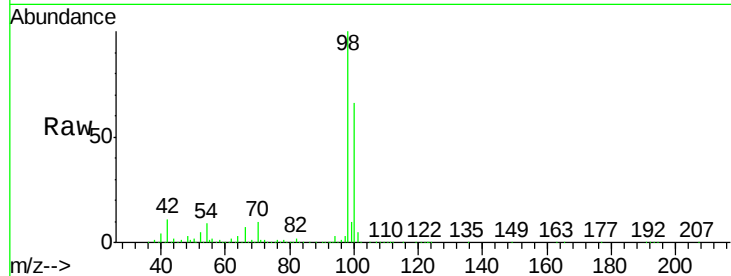
S411-K-SO-1-1.5-081220RE

Tgt Ion: 98 Resp: 754454

Ion Ratio Lower Upper

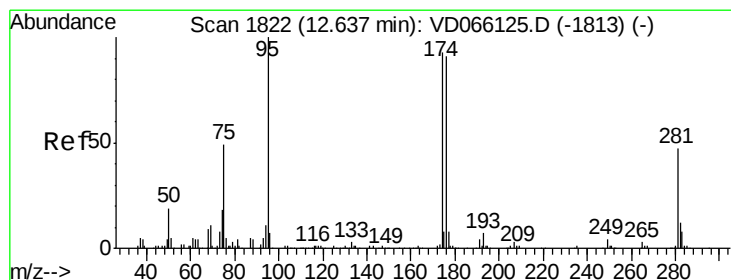
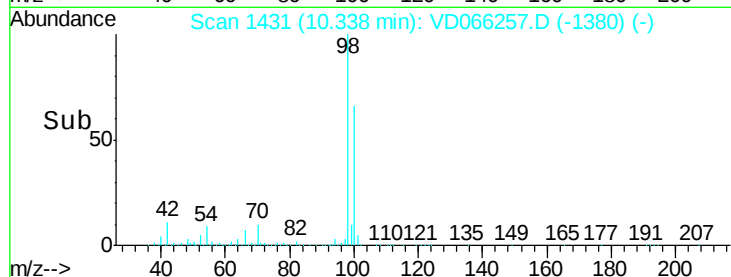
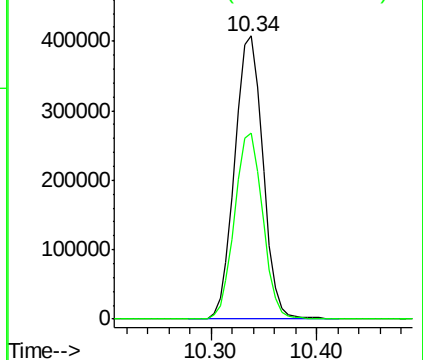
98 100

100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 78.101 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

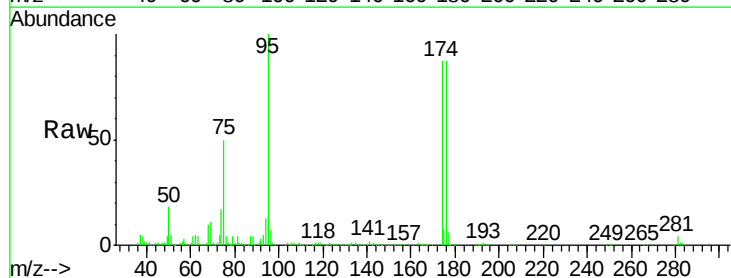
Tgt Ion: 95 Resp: 396732

Ion Ratio Lower Upper

95 100

174 88.9 0.0 180.8

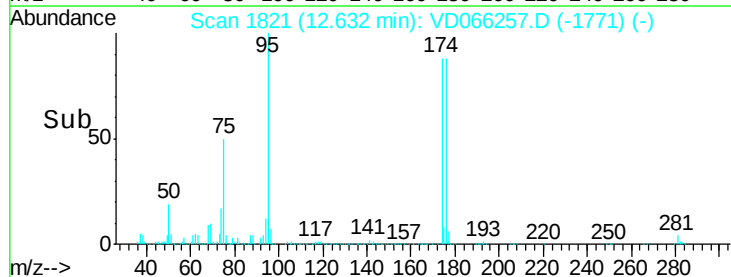
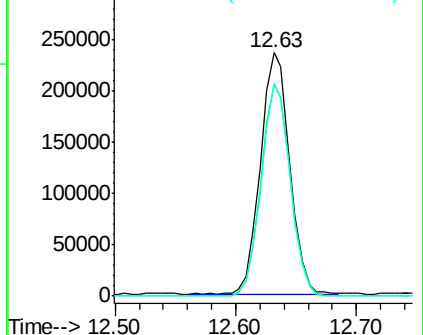
176 87.1 0.0 181.2

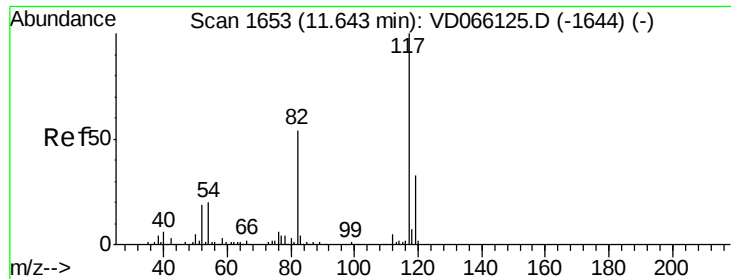


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

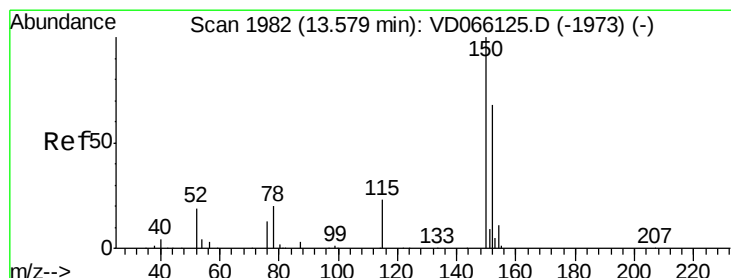
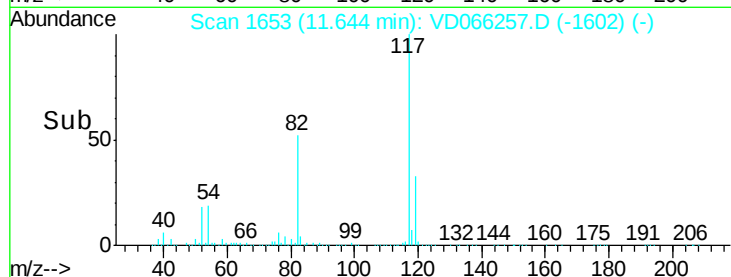
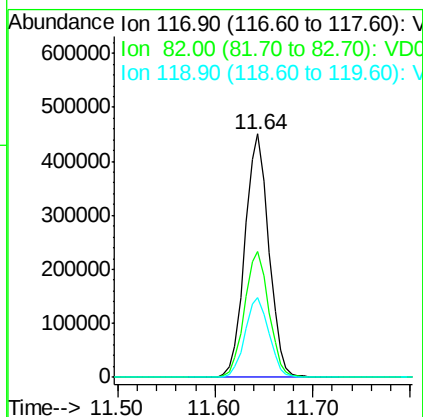
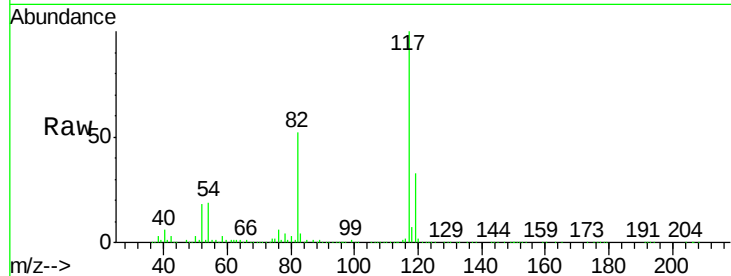




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066257.D
Acq: 17 Aug 2020 14:56

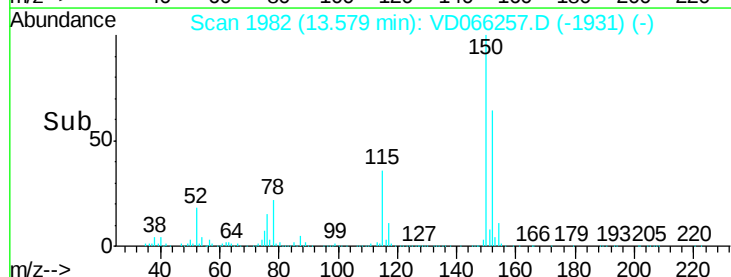
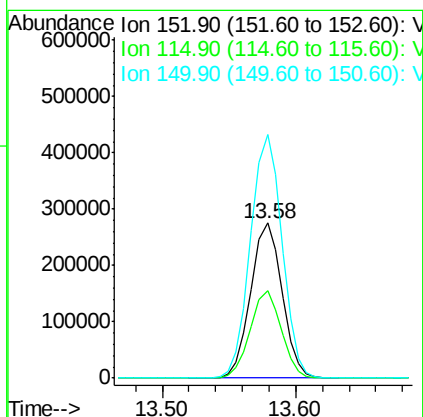
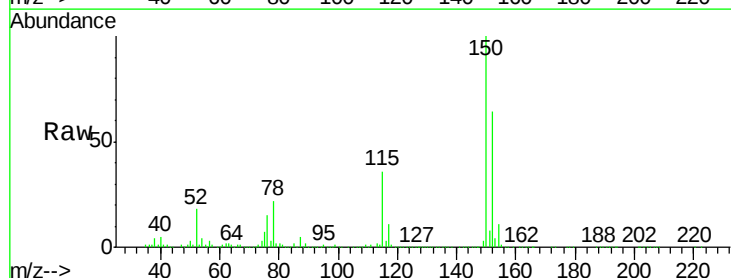
Instrument :
MSVOA_D
ClientSampleId :
S411-K-SO-1-1.5-081220RE

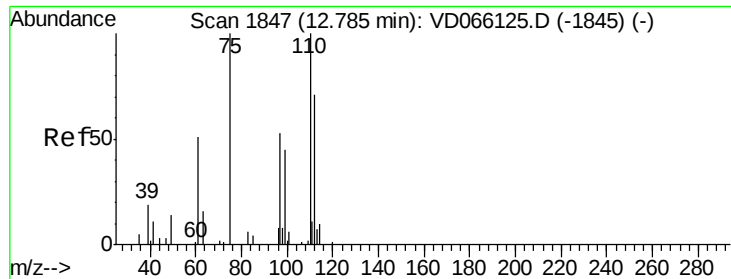
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.0	64.4
119	32.6	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066257.D
Acq: 17 Aug 2020 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	157.8	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 52.430 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

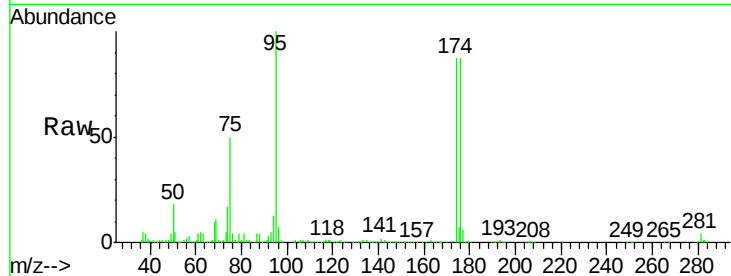
S411-K-SO-1-1.5-081220RE

Tgt Ion: 75 Resp: 195462

Ion Ratio Lower Upper

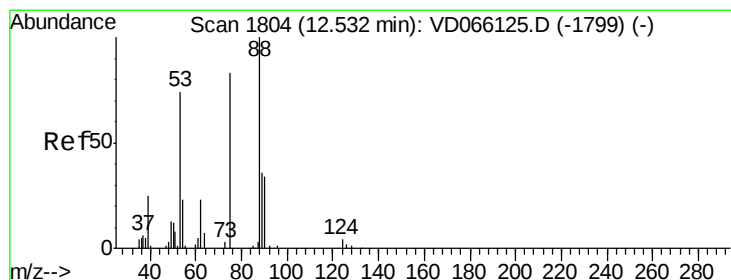
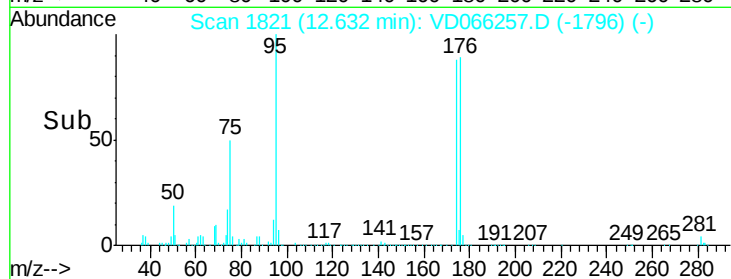
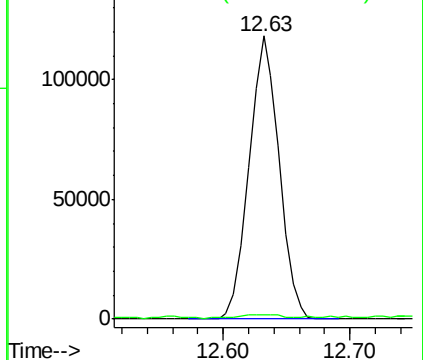
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 115.899 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066257.D

Acq: 17 Aug 2020 14:56

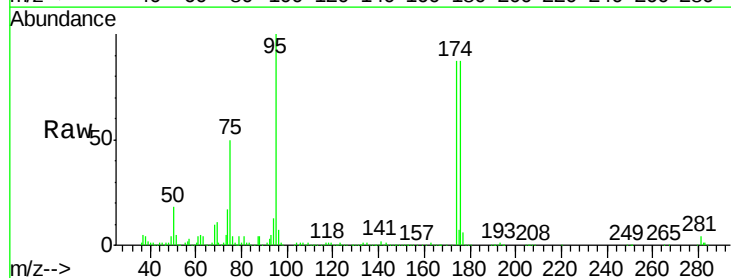
Tgt Ion: 75 Resp: 195462

Ion Ratio Lower Upper

75 100

53 0.2 73.4 110.2#

89 0.3 36.6 55.0#



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

