

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066134.D
 Acq On : 06 Aug 2020 15:03
 Operator : VA/SY
 Sample : L3502-01
 Misc : 7.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-080520

Quant Time: Aug 07 01:26:29 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	303294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	500603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238234	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	129749	47.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.90%	
35) Dibromofluoromethane	7.91	113	150874	49.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.20%	
50) Toluene-d8	10.34	98	578868	51.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.64	95	228769	55.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.94%	

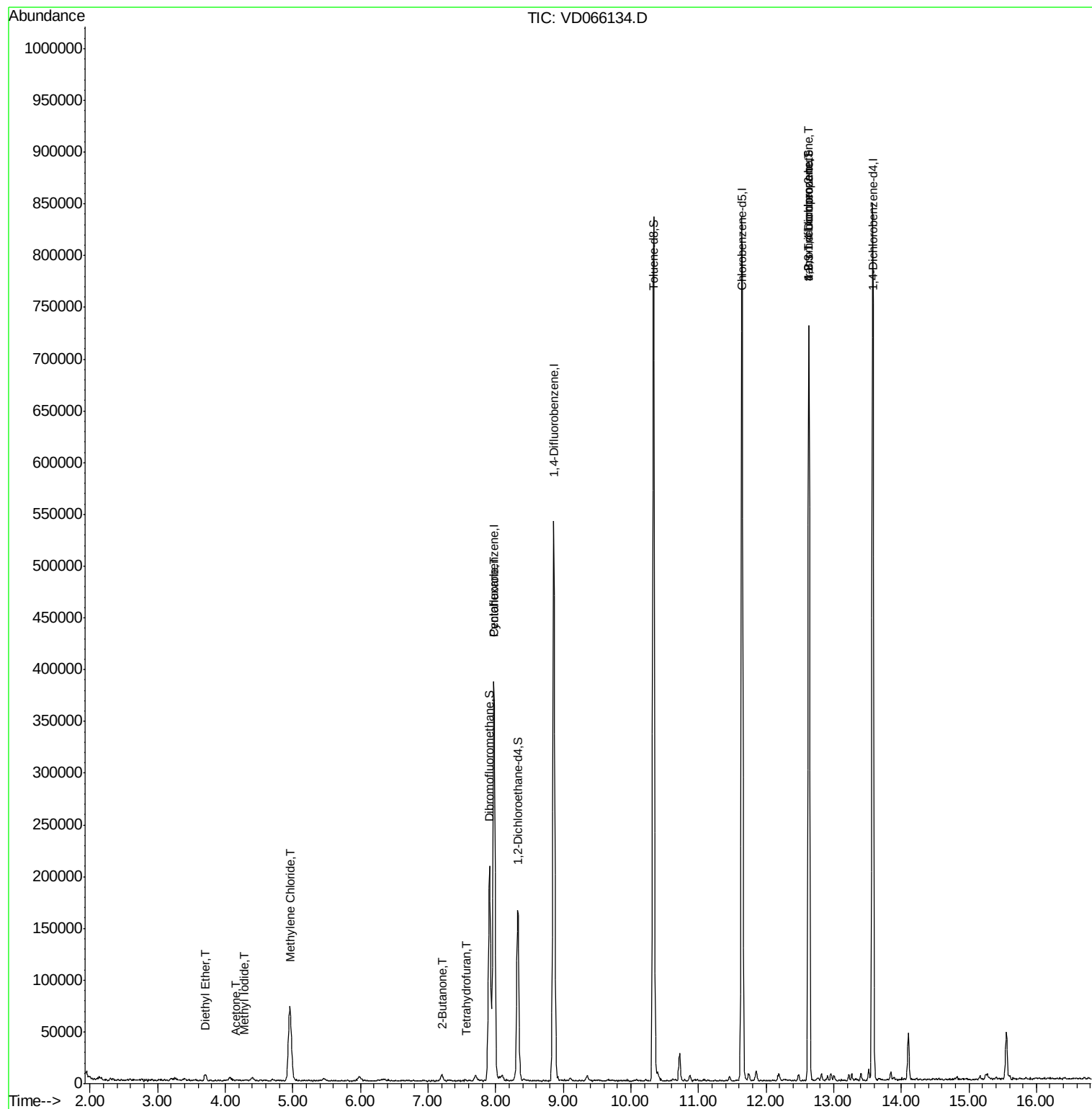
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2627	1.941	ug/l	65
10) Methyl Iodide	4.29	142	598	6.911	ug/l #	70
11) Tert butyl alcohol	5.24	59	353	Below Cal	#	76
16) Acetone	4.16	43	1115	2.172	ug/l	93
20) Methylene Chloride	4.96	84	57249	16.270	ug/l	95
25) 2-Butanone	7.21	43	971	1.286	ug/l #	47
29) Tetrahydrofuran	7.57	42	554	1.184	ug/l #	41
31) Cyclohexane	7.97	56	7369	1.554	ug/l #	39
76) 1,2,3-Trichloropropane	12.64	75	113384	57.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113384	126.160	ug/l #	13

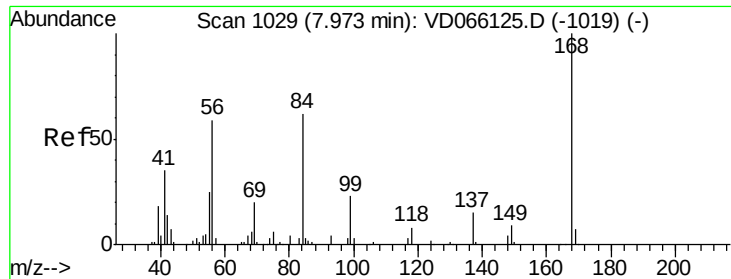
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

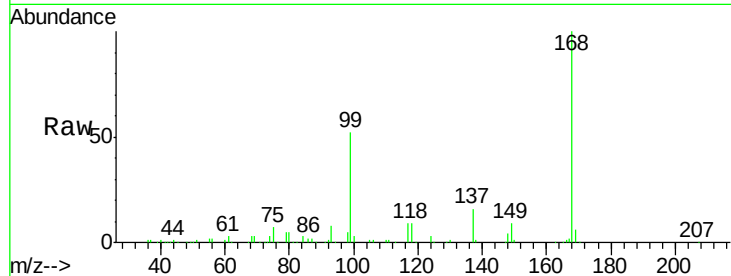
OK-03-080520

Tot Ion:168 Resp: 303294

Ion Ratio Lower Upper

168 100

99 52.3 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

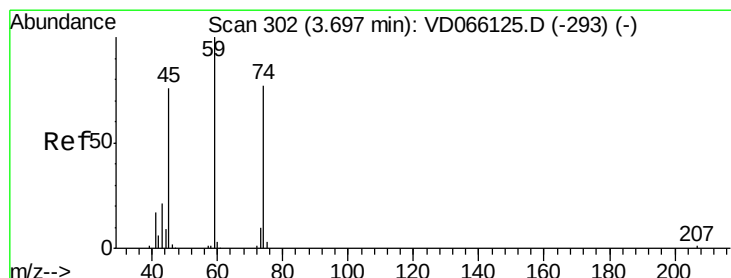
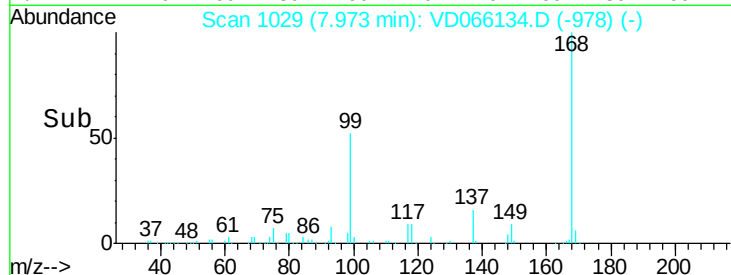
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.941 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066134.D

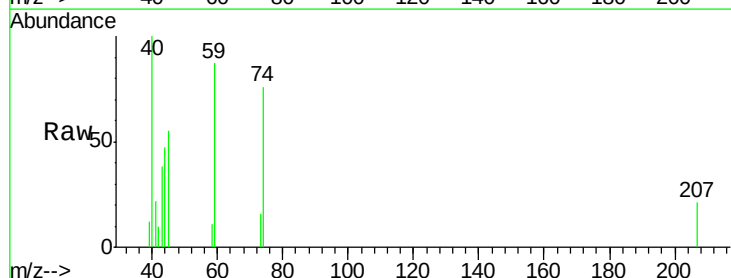
Acq: 06 Aug 2020 15:03

Tgt Ion: 74 Resp: 2627

Ion Ratio Lower Upper

74 100

45 131.6 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

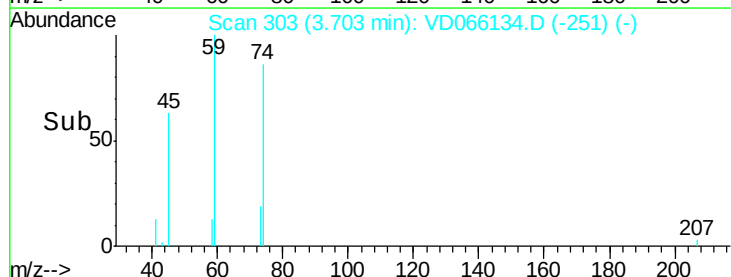
1500

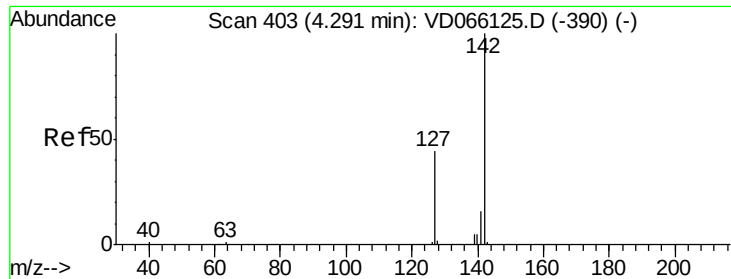
1000

500

0

Time-->

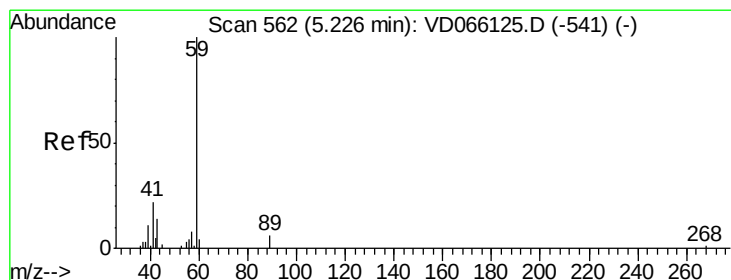
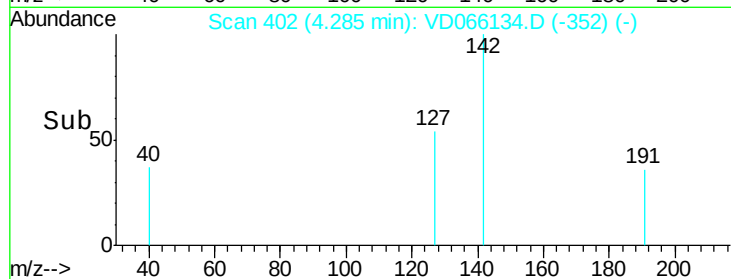
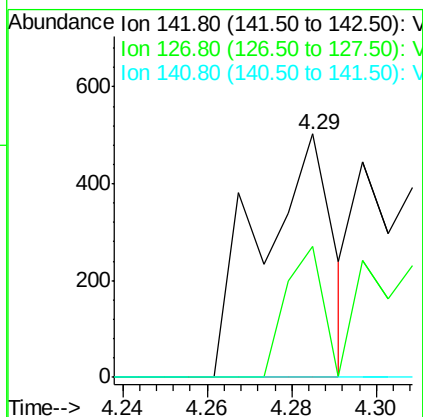
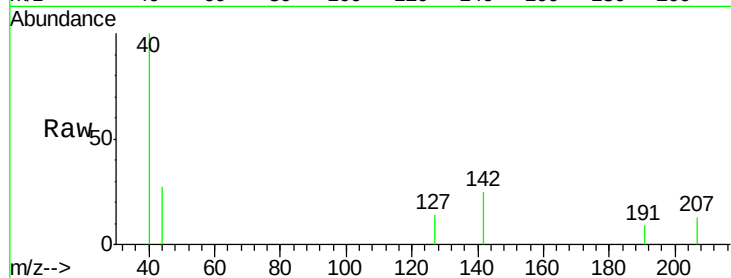




#10
Methvl Iodide
Concen: 6.911 ug/l
RT: 4.29 min Scan# 402
Delta R.T. -0.00 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

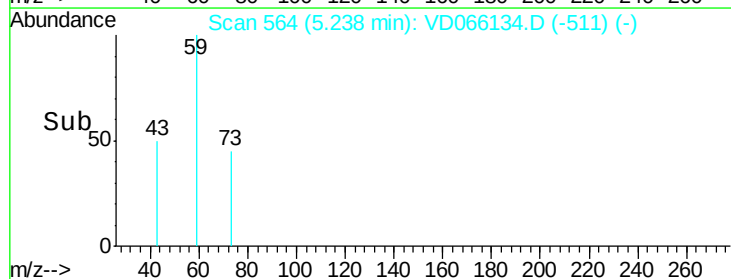
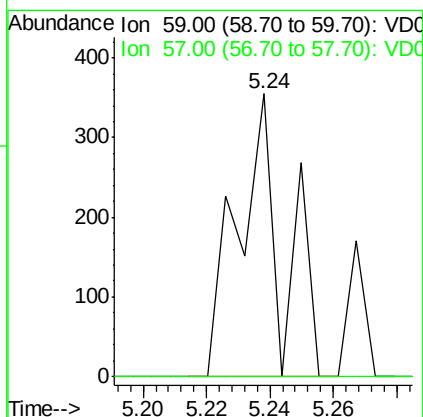
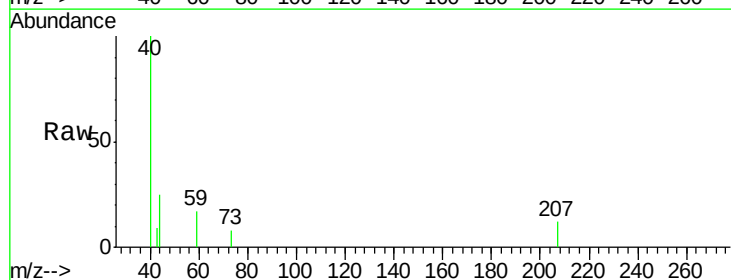
Instrument :
MSVOA_D
ClientSampleId :
OK-03-080520

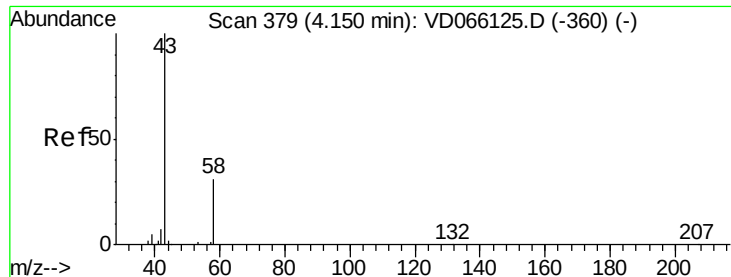
Tot Ion:142 Resp: 598
Ion Ratio Lower Upper
142 100
127 27.6 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 2.172 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

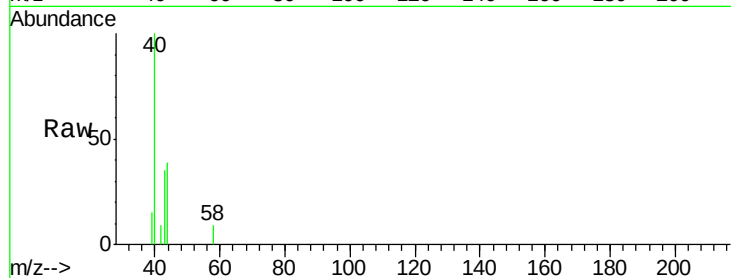
OK-03-080520

Tot Ion: 43 Resp: 1115

Ion Ratio Lower Upper

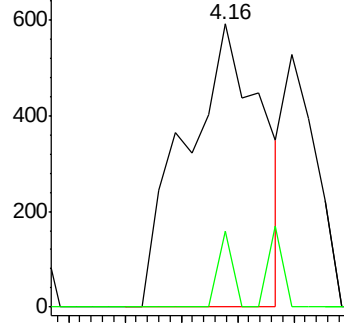
43 100

58 27.0 24.7 37.1

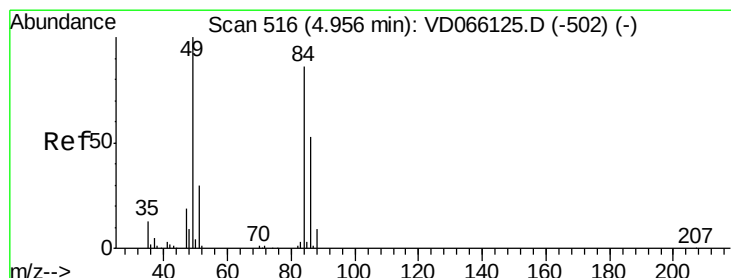
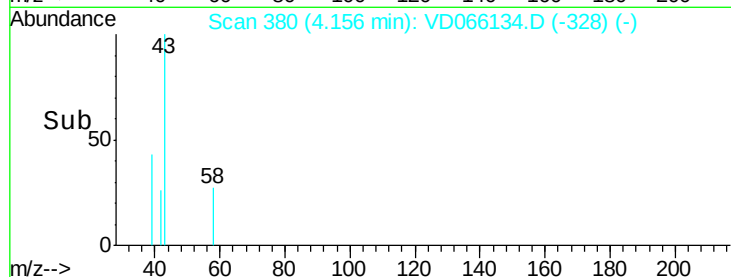


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: 16.270 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

Tgt Ion: 84 Resp: 57249

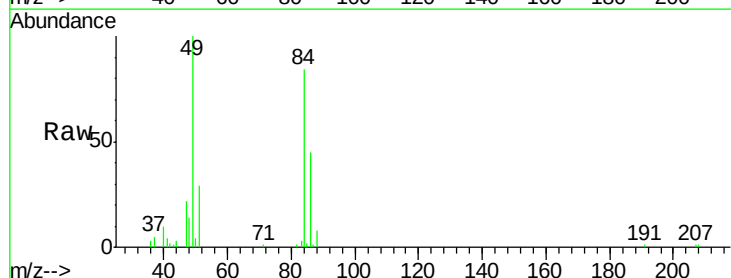
Ion Ratio Lower Upper

84 100

49 119.6 93.5 140.3

51 35.3 28.2 42.4

86 53.4 49.5 74.3

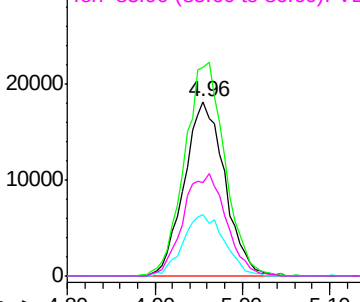


Abundance Ion 83.90 (83.60 to 84.60): VDC

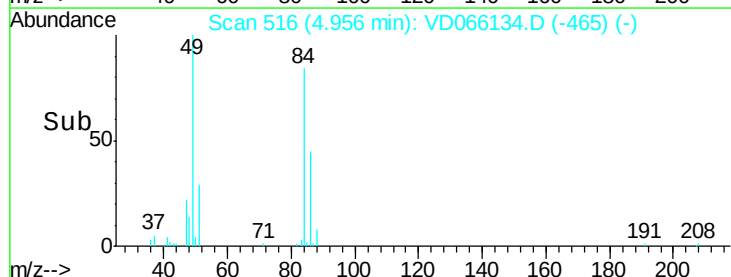
Ion 48.90 (48.60 to 49.60): VDC

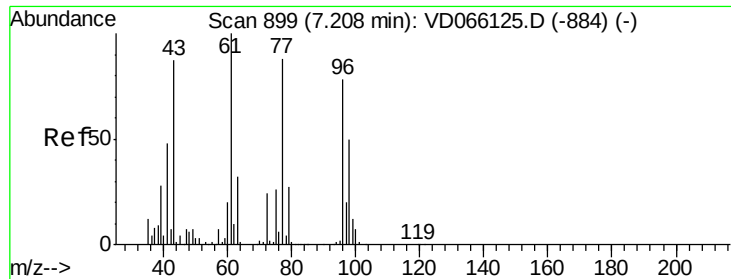
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 1.286 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

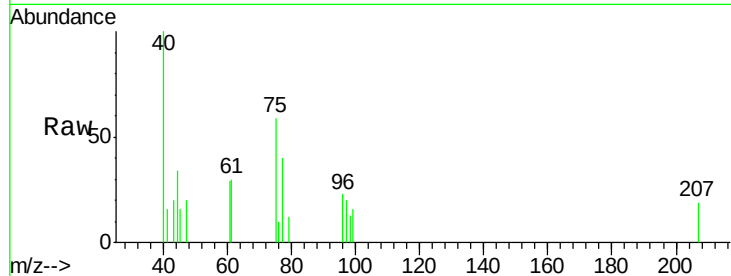
OK-03-080520

Tot Ion: 43 Resp: 971

Ion Ratio Lower Upper

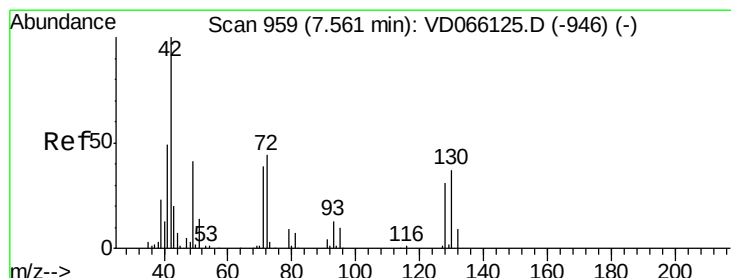
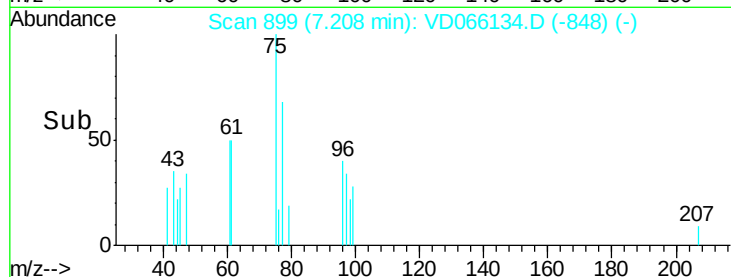
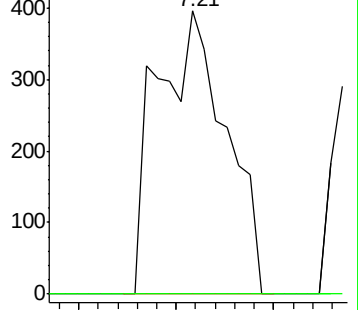
43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.184 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

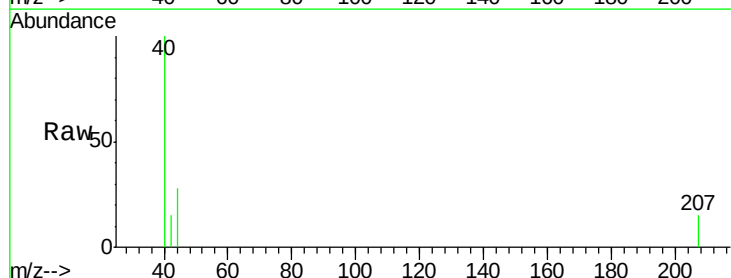
Tgt Ion: 42 Resp: 554

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

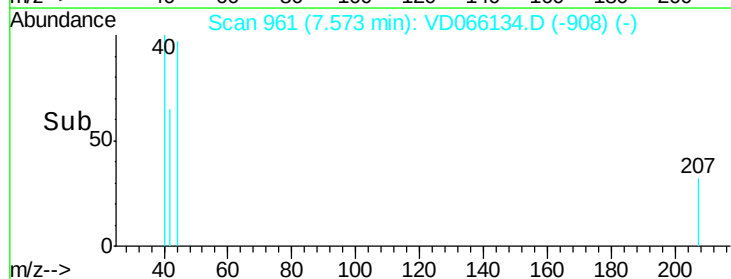
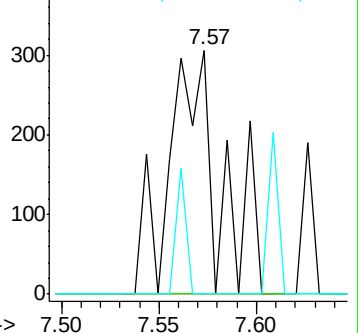
71 10.1 33.5 50.3#

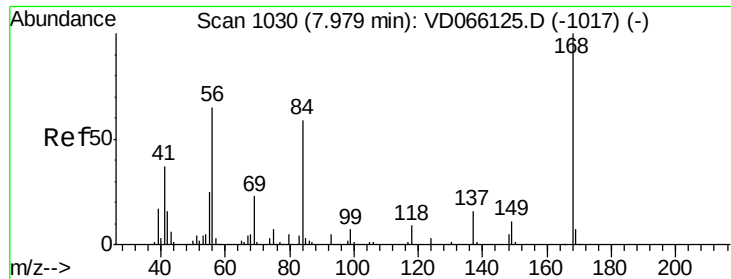


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

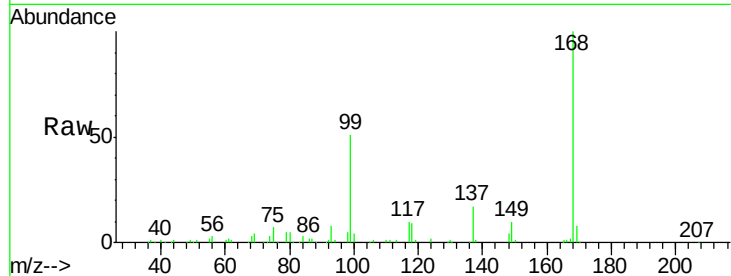




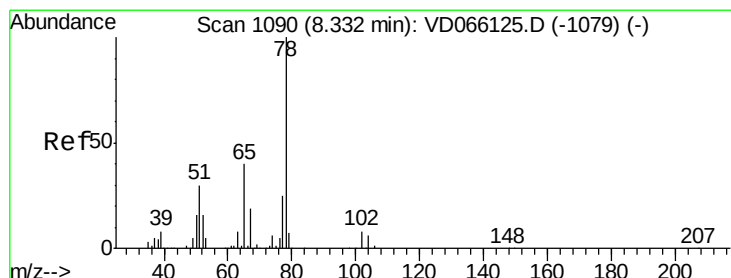
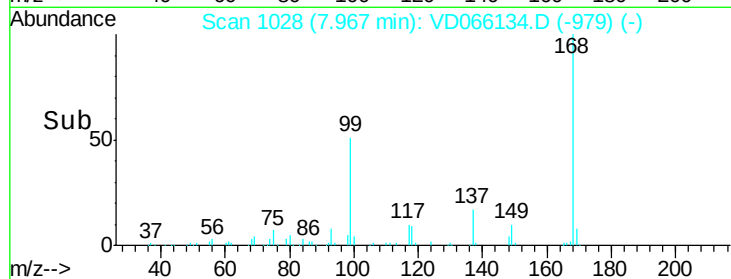
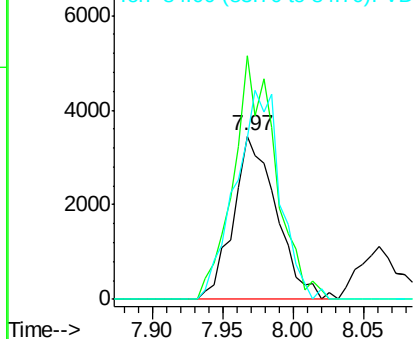
#31
Cyclohexane
Concen: 1.554 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
OK-03-080520

Tot Ion: 56 Resp: 7369
Ion Ratio Lower Upper
56 100
69 149.4 28.8 43.2#
84 99.5 73.0 109.6

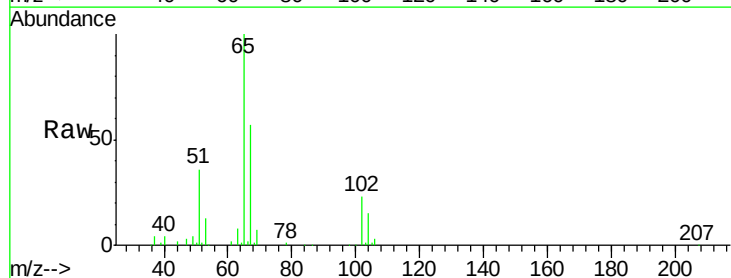


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

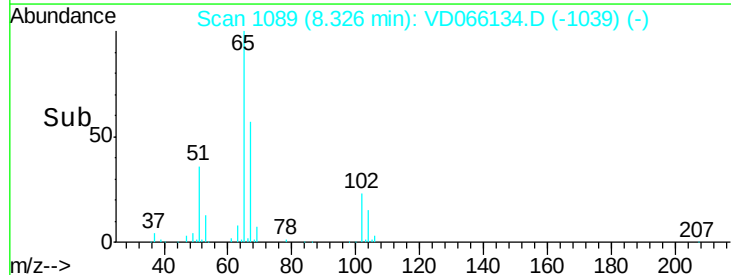
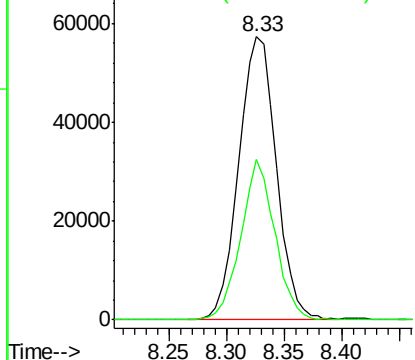


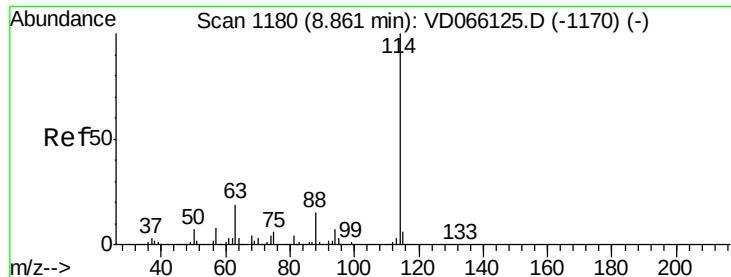
#33
1,2-Dichloroethane-d4
Concen: 47.951 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

Tgt Ion: 65 Resp: 129749
Ion Ratio Lower Upper
65 100
67 51.8 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: VD066134.D

Acq: 06 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

OK-03-080520

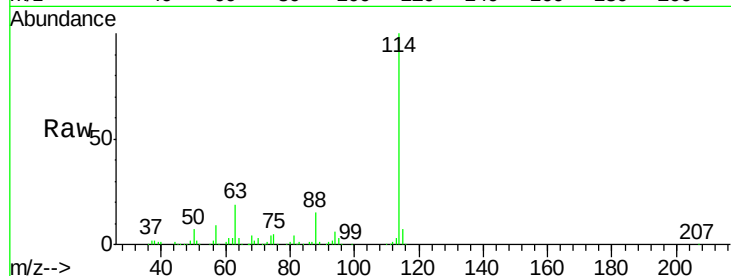
Tot Ion:114 Resp: 485049

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

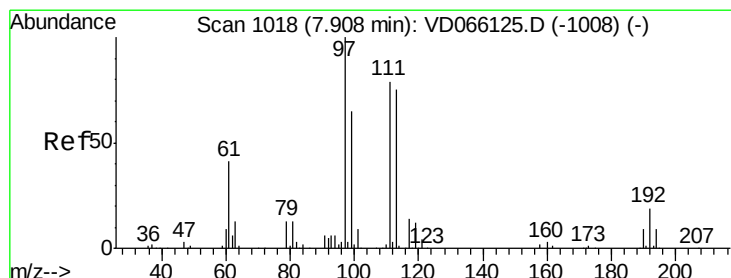
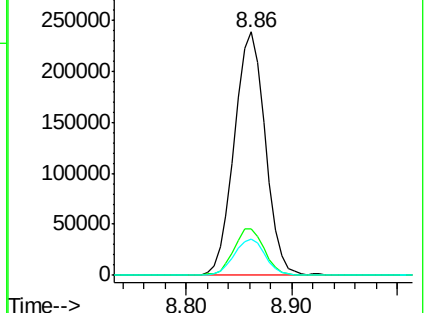
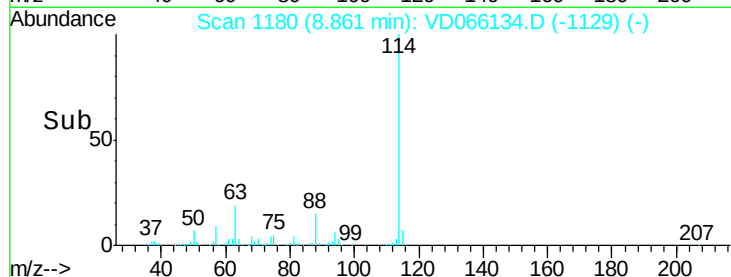
88 14.8 0.0 30.0



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: 49.101 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

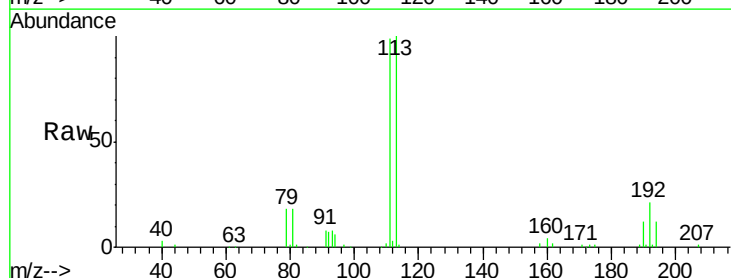
Tgt Ion:113 Resp: 150874

Ion Ratio Lower Upper

113 100

111 100.1 80.7 121.1

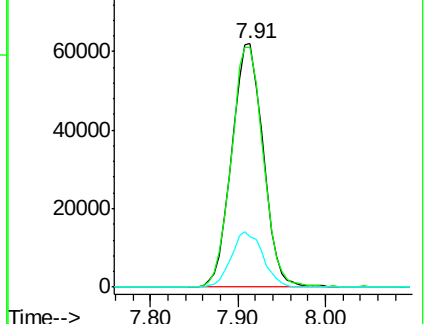
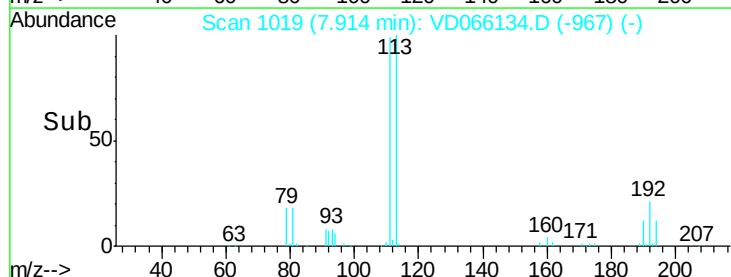
192 22.8 18.4 27.6

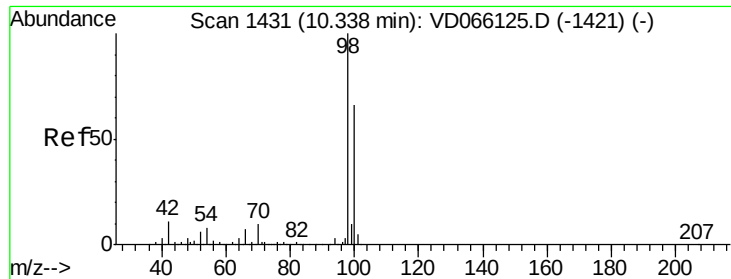


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

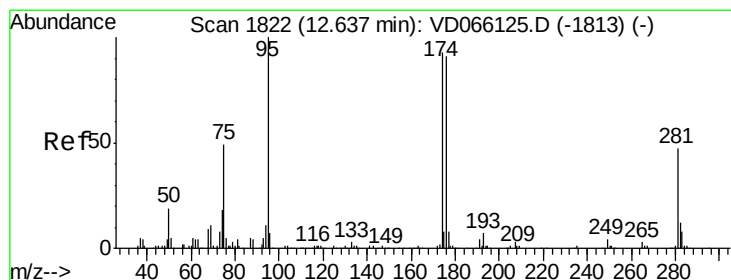
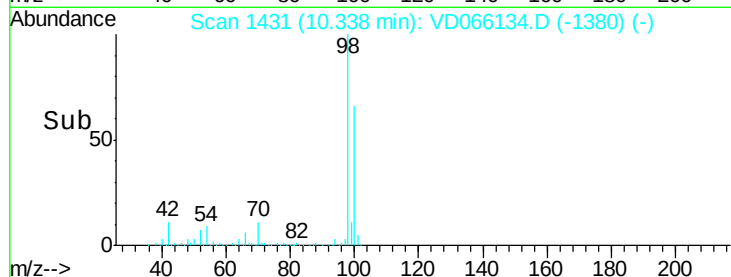
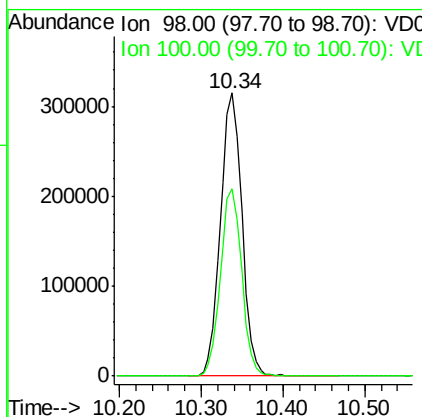
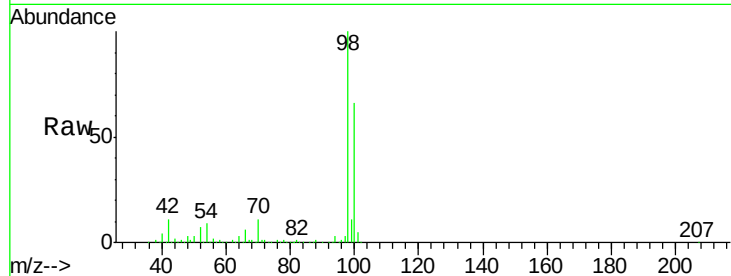




#50
Toluene-d8
Concen: 51.050 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

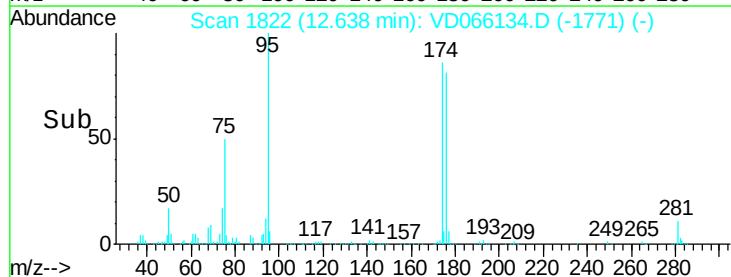
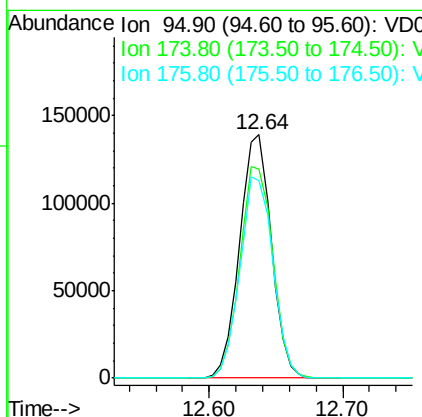
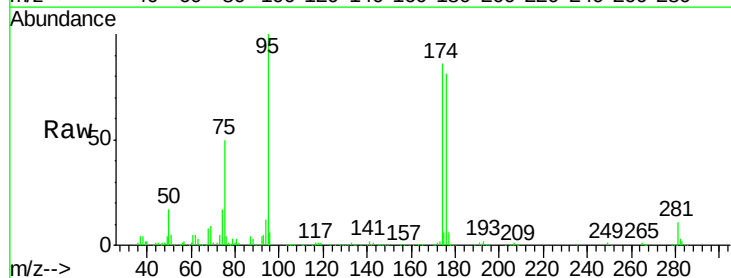
Instrument :
MSVOA_D
ClientSampleId :
OK-03-080520

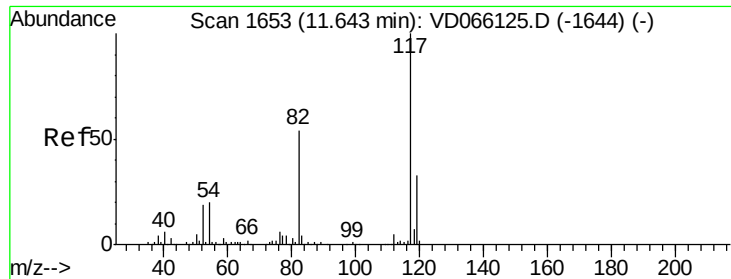
Tot Ion: 98 Resp: 578868
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 55.970 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

Tgt Ion: 95 Resp: 228769
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.8
176 85.7 0.0 181.2

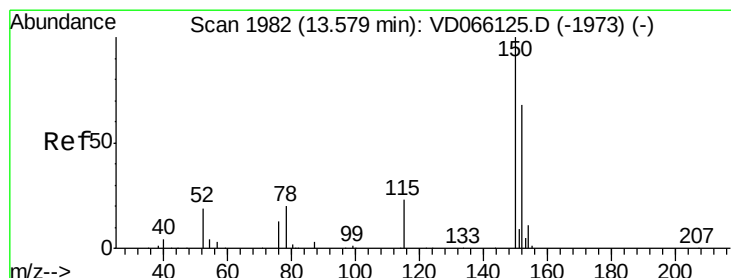
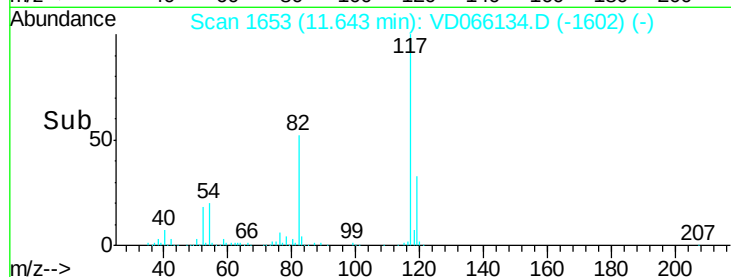
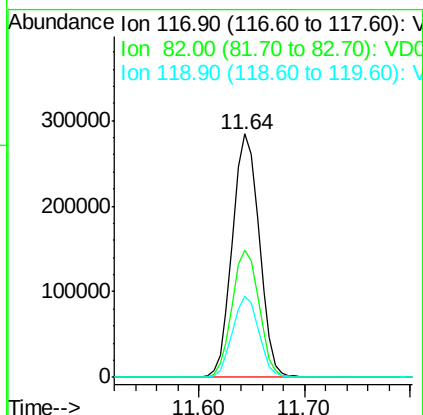
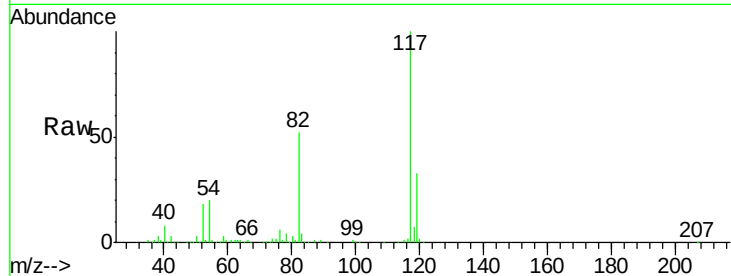




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

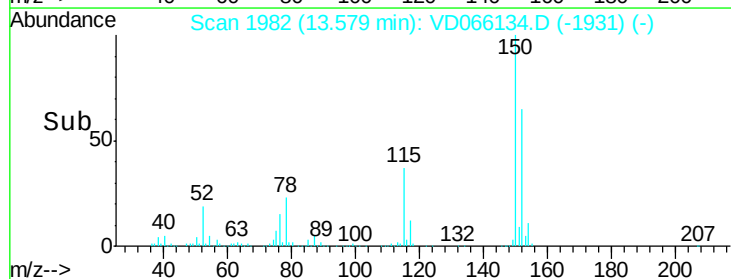
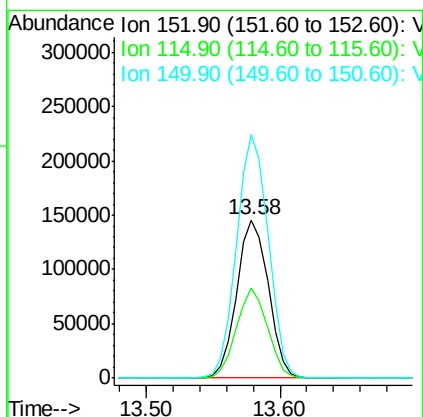
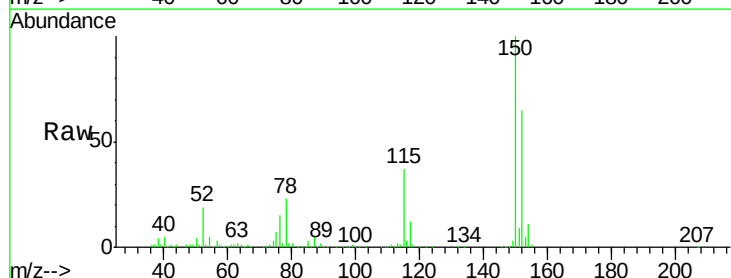
Instrument :
MSVOA_D
ClientSampleId :
OK-03-080520

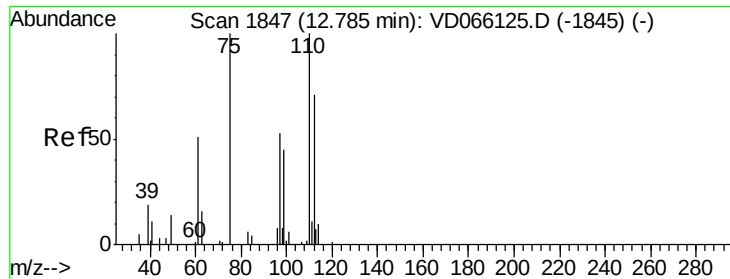
Tot Ion:117 Resp: 500603
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 33.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066134.D
Acq: 06 Aug 2020 15:03

Tgt Ion:152 Resp: 238234
Ion Ratio Lower Upper
152 100
115 56.3 28.0 83.9
150 154.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 57.071 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

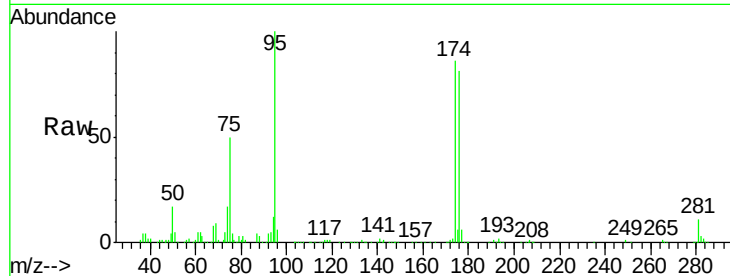
OK-03-080520

Tot Ion: 75 Resp: 113384

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

12.64

80000

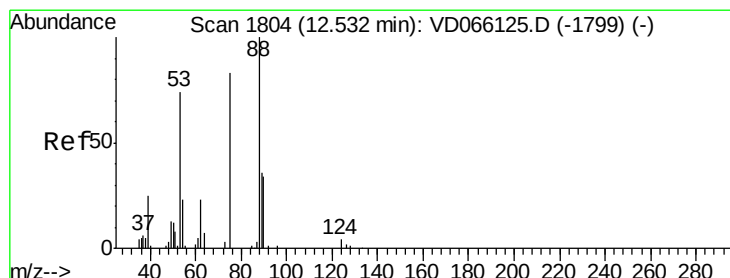
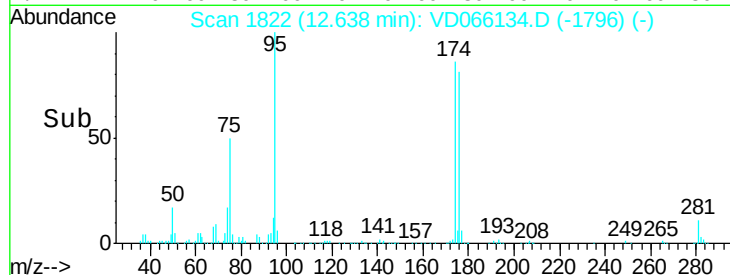
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 126.160 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066134.D

Acq: 06 Aug 2020 15:03

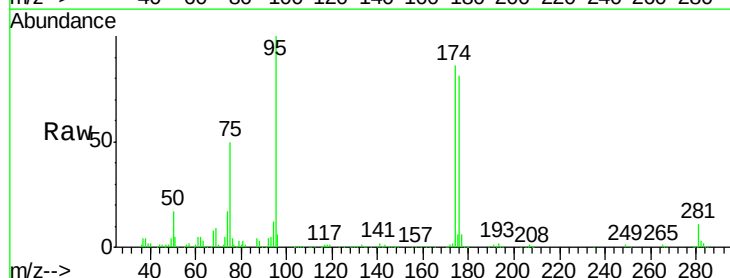
Tgt Ion: 75 Resp: 113384

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 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

12.64

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

