

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066305.D
 Acq On : 19 Aug 2020 05:50
 Operator : VA/SY
 Sample : L3689-10
 Misc : 7.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Aug 19 06:47:32 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	186930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	294425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	252784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100281	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	100405	60.21	ug/l	0.00
Spiked Amount			Recovery	=	120.42%	
35) Dibromofluoromethane	7.91	113	97681	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.34	98	315345	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.63	95	104474	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	

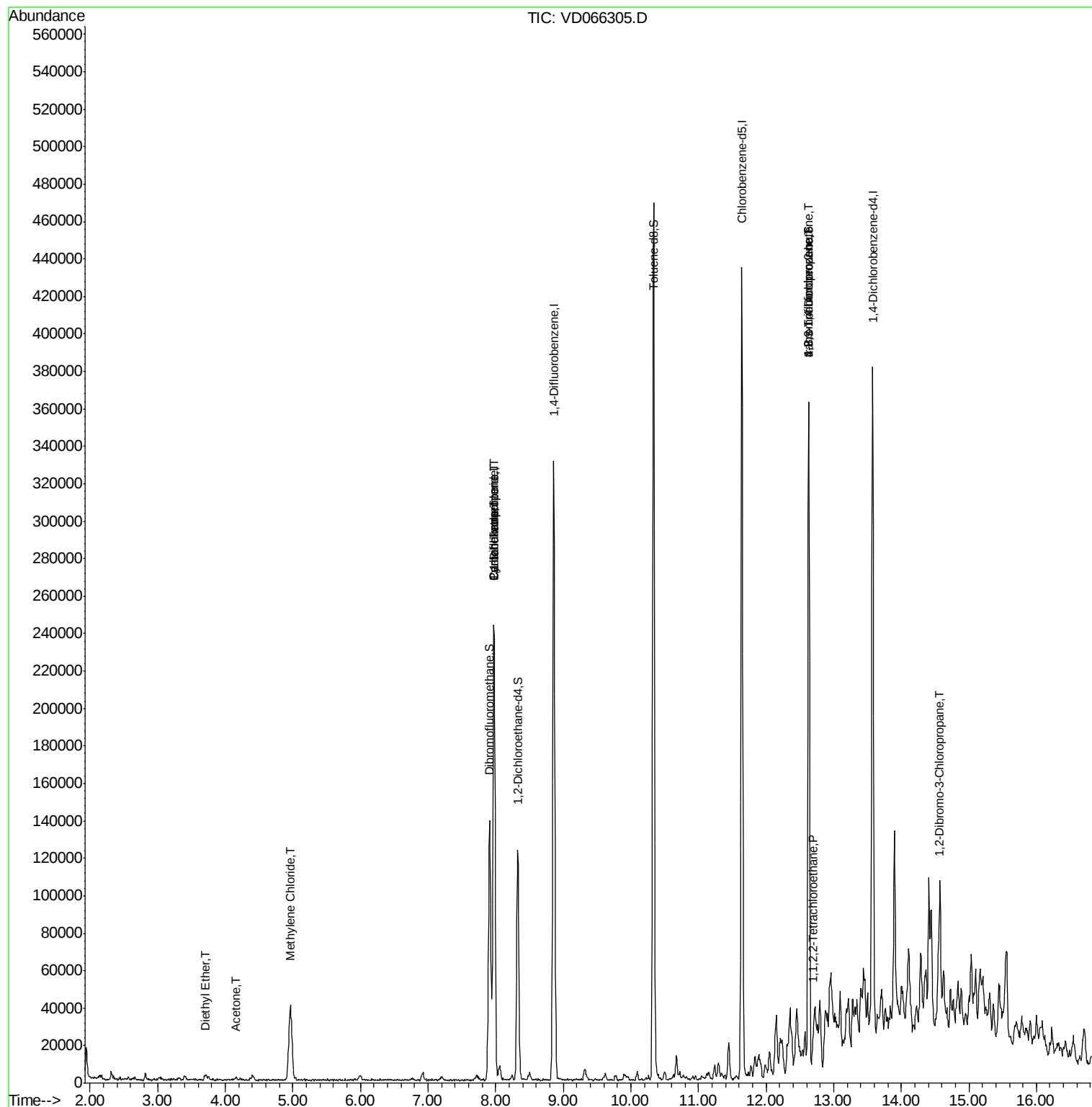
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1534	1.839	ug/l #	50
11) Tert butyl alcohol	5.21	59	164	Below Cal	#	76
16) Acetone	4.17	43	1788	5.650	ug/l #	82
20) Methylene Chloride	4.97	84	30579	13.414	ug/l	92
31) Cyclohexane	7.97	56	4425	1.515	ug/l #	19
36) 1,1-Dichloropropene	7.97	75	12531	4.529	ug/l #	50
38) Carbon Tetrachloride	7.98	117	17733	5.748	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.70	83	1808	1.584	ug/l #	69
76) 1,2,3-Trichloropropane	12.63	75	53354	63.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	53354	141.033	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.56	75	228	1.162	ug/l #	1

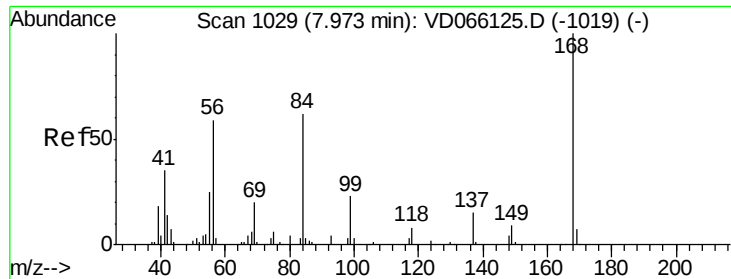
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066305.D

Acq: 19 Aug 2020 05:50

Instrument :

MSVOA_D

ClientSampleId :

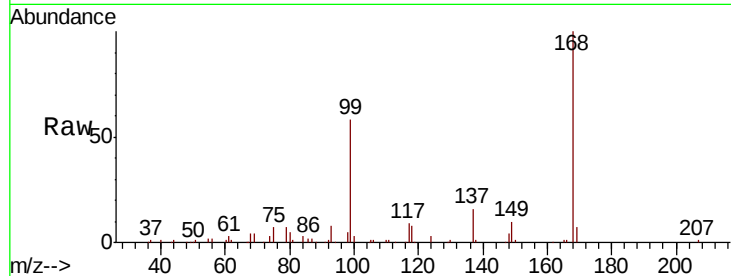
TP-3

Tot Ion:168 Resp: 186930

Ion Ratio Lower Upper

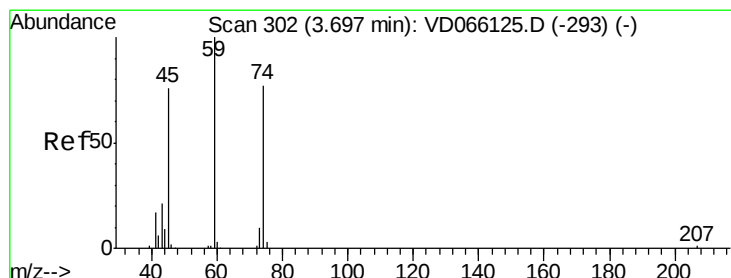
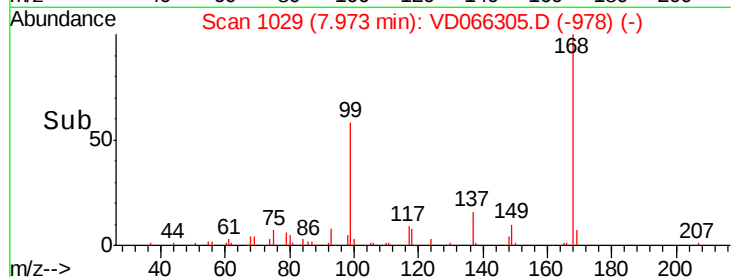
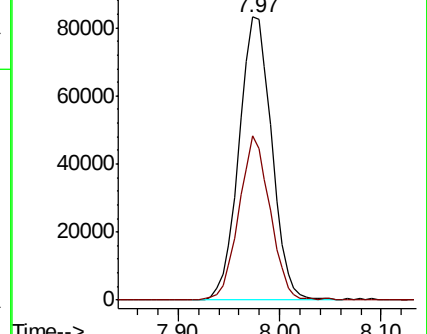
168 100

99 58.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.839 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066305.D

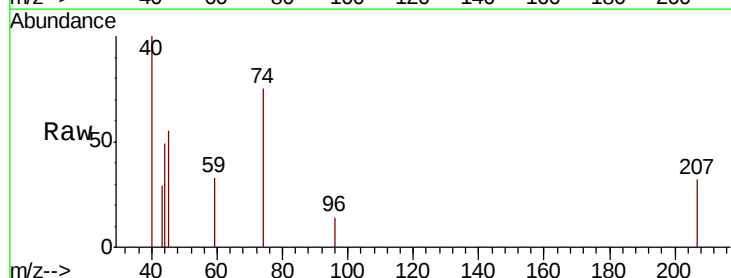
Acq: 19 Aug 2020 05:50

Tgt Ion: 74 Resp: 1534

Ion Ratio Lower Upper

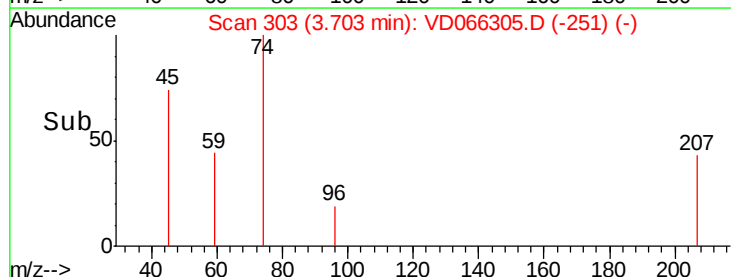
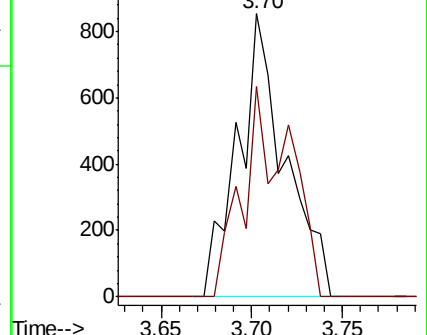
74 100

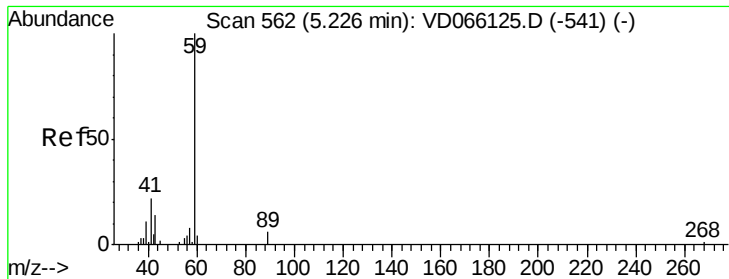
45 48.1 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



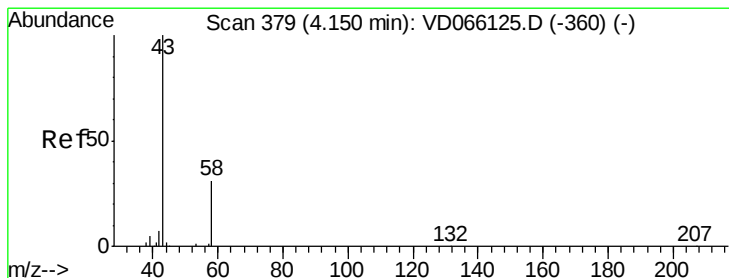
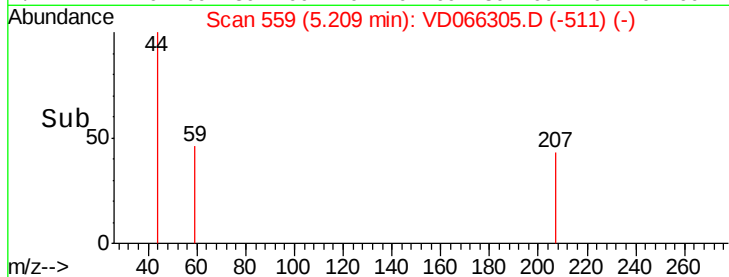
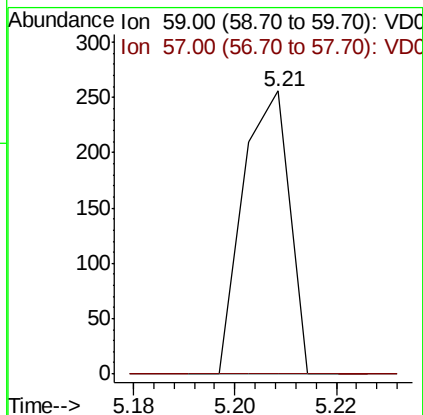
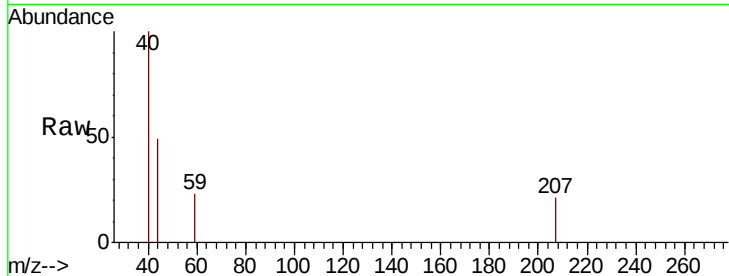


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

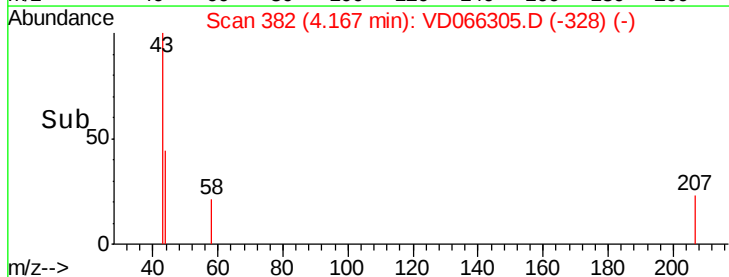
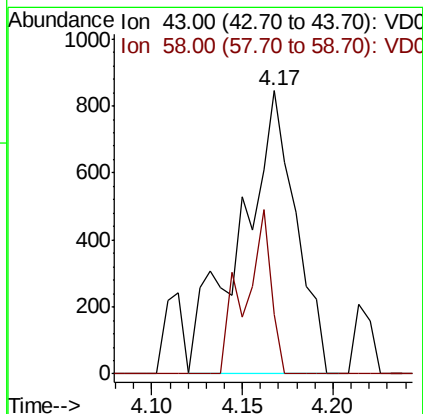
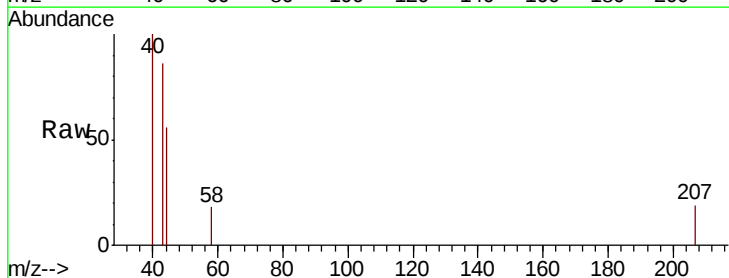
Tot Ion: 59 Resp: 164
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

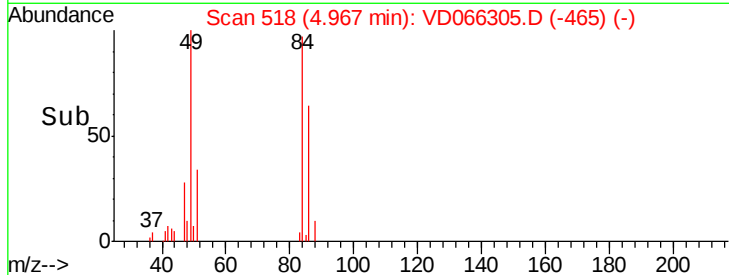
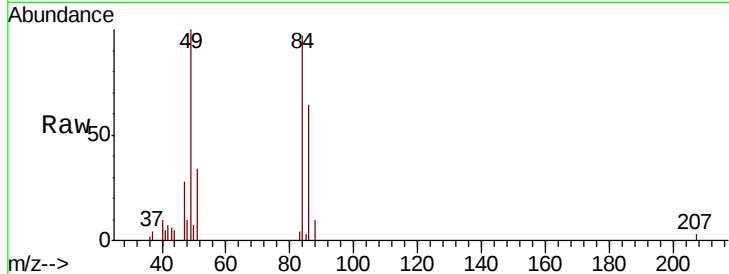
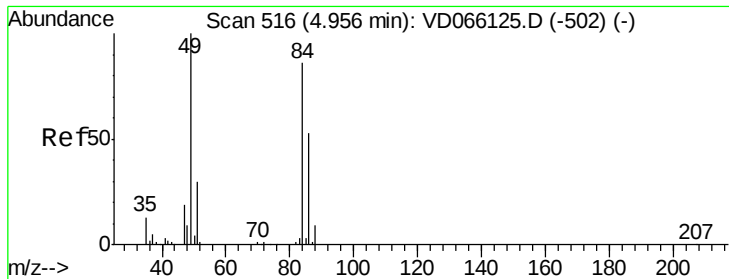


#16

Acetone
 Concen: 5.650 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

Tgt Ion: 43 Resp: 1788
 Ion Ratio Lower Upper
 43 100
 58 20.8 24.7 37.1#

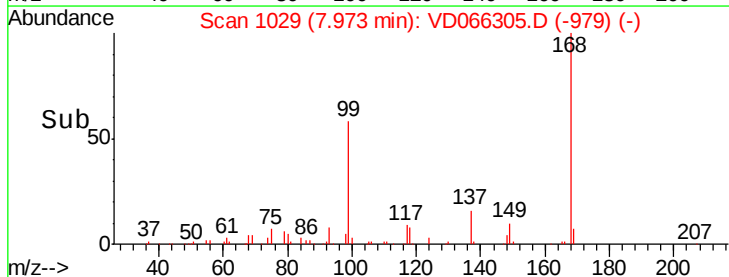
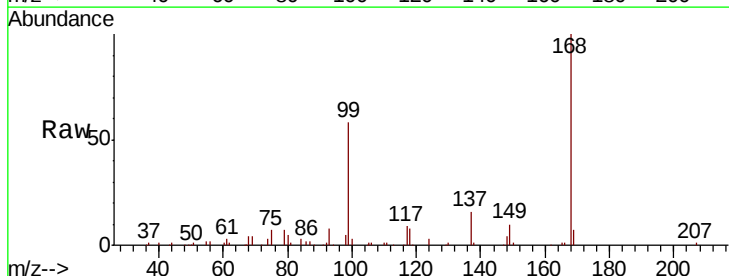
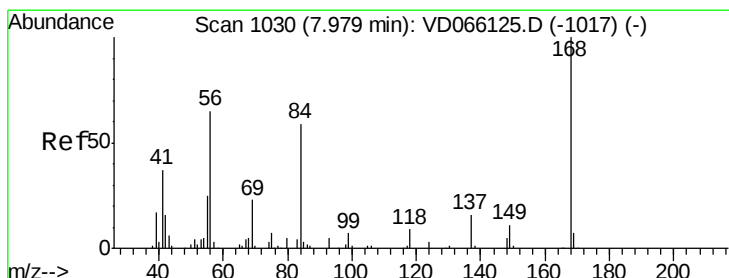
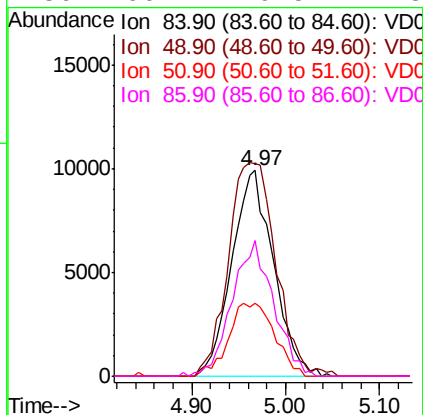




#20
Methvlene Chloride
Concen: 13.414 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066305.D
Acq: 19 Aug 2020 05:50

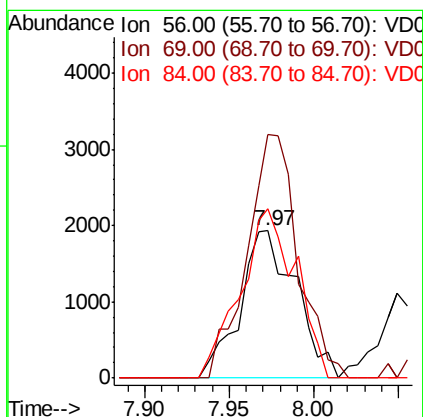
Instrument :
MSVOA_D
ClientSampleId :
TP-3

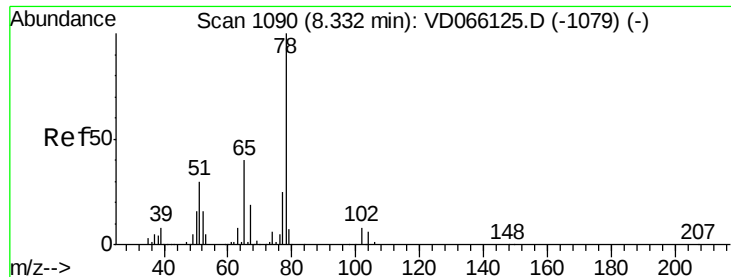
Tot Ion:	84	Resp:	30579
Ion	Ratio	Lower	Upper
84	100		
49	103.3	93.5	140.3
51	35.2	28.2	42.4
86	66.1	49.5	74.3



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066305.D
Acq: 19 Aug 2020 05:50

Tgt Ion:	56	Resp:	4425
Ion	Ratio	Lower	Upper
56	100		
69	165.6	28.8	43.2#
84	115.4	73.0	109.6#

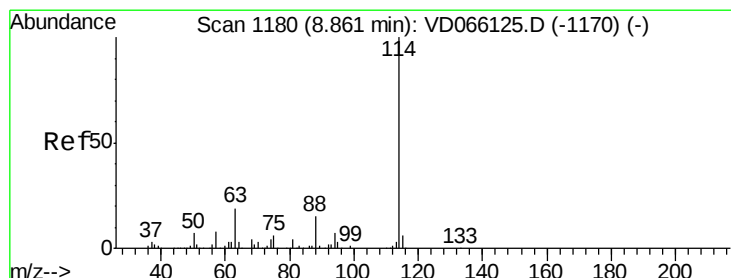
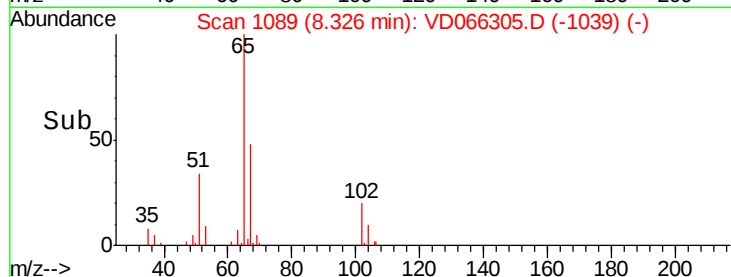
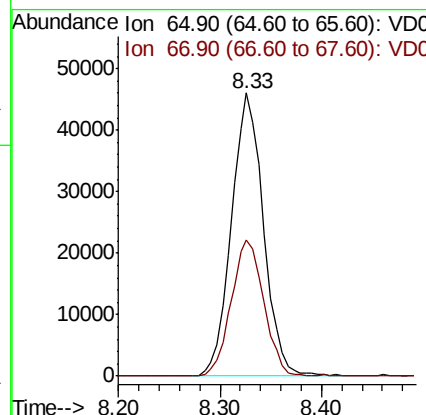
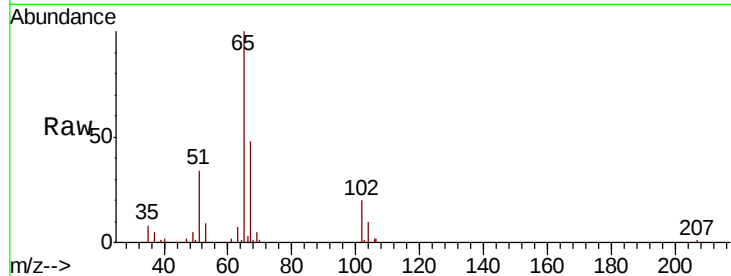




#33
 1,2-Dichloroethane-d4
 Concen: 60.206 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

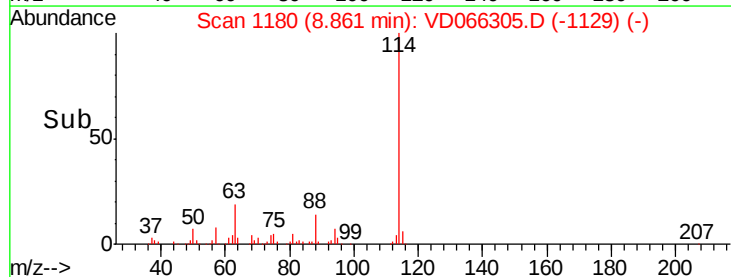
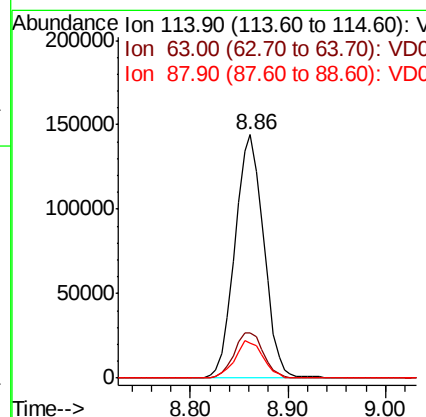
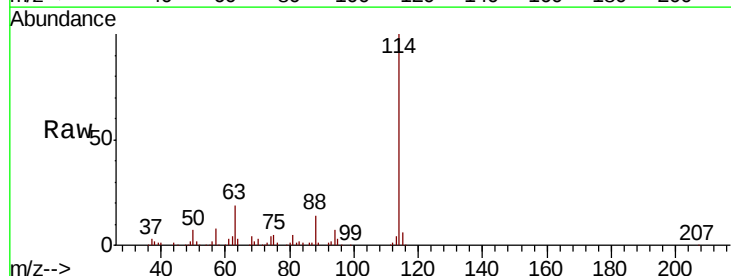
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

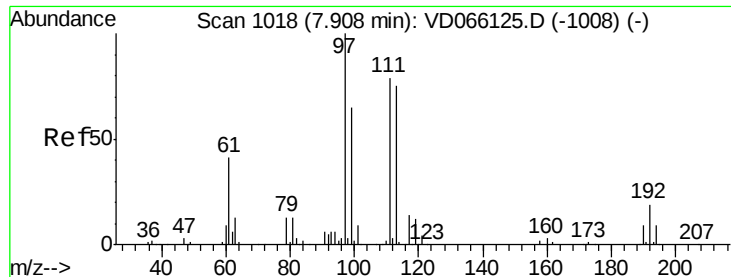
Tot Ion: 65 Resp: 100405
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

Tgt Ion: 114 Resp: 294425
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 14.4 0.0 30.0

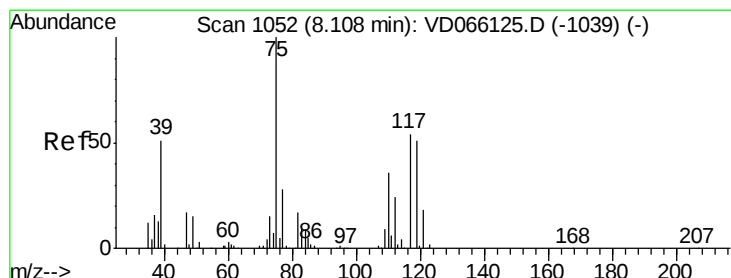
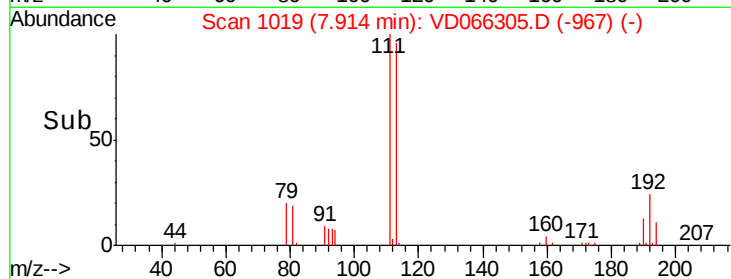
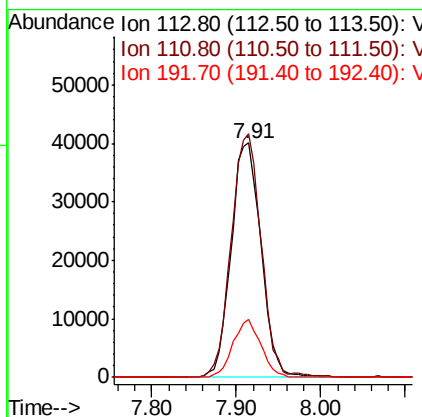
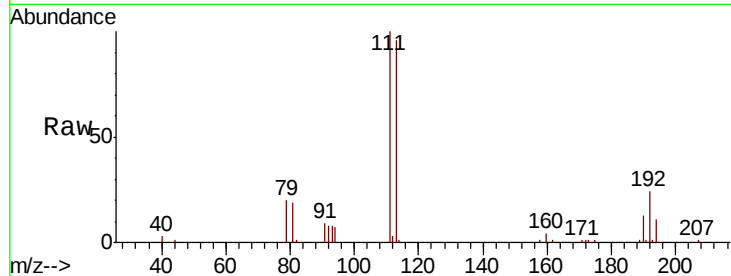




#35
 Dibromofluoromethane
 Concen: 52.372 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

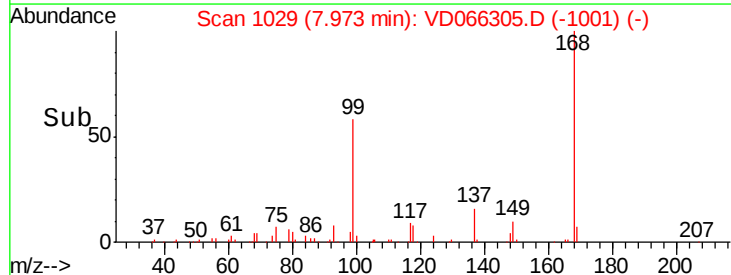
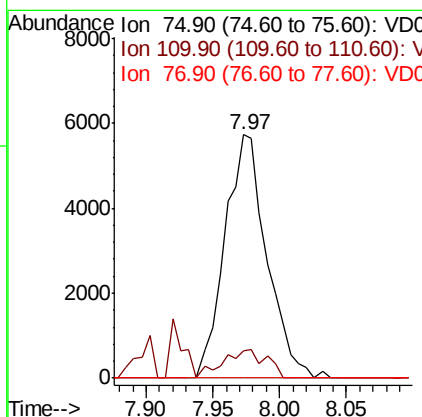
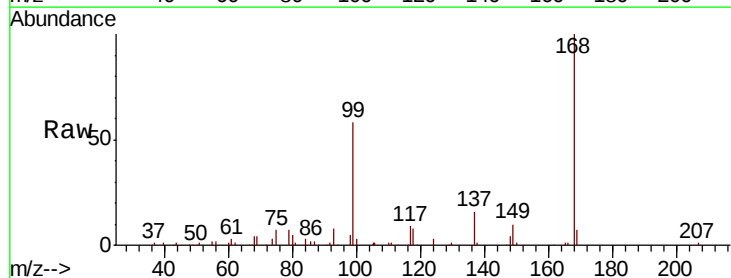
Instrument :
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 ClientSampled :
 TP-3

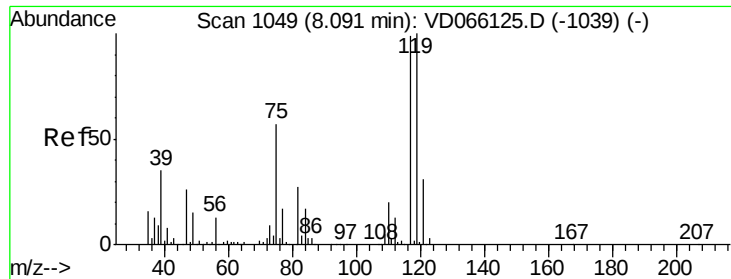
Tot Ion:113 Resp: 97681
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 23.0 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.529 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066305.D
 Acq: 19 Aug 2020 05:50

Tgt Ion: 75 Resp: 12531
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.8 56.3#
 77 0.0 24.2 36.2#

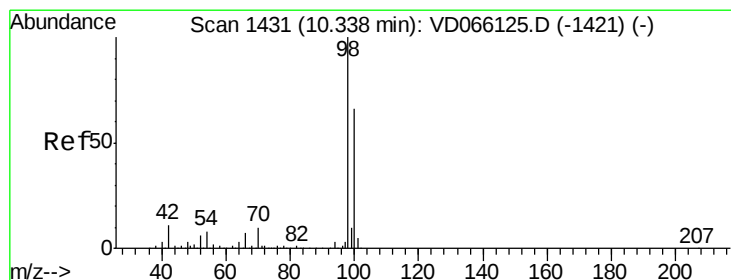
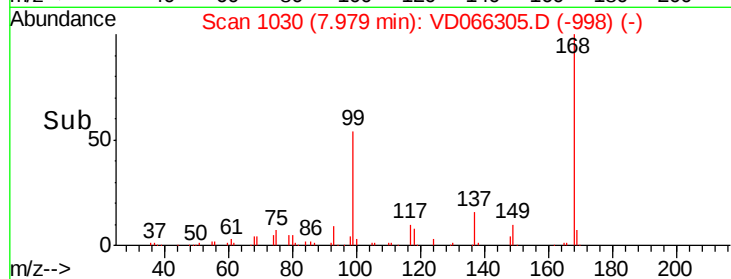
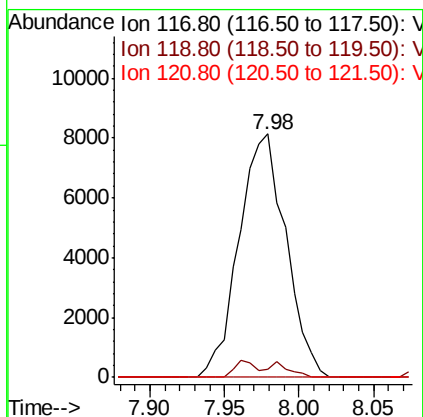
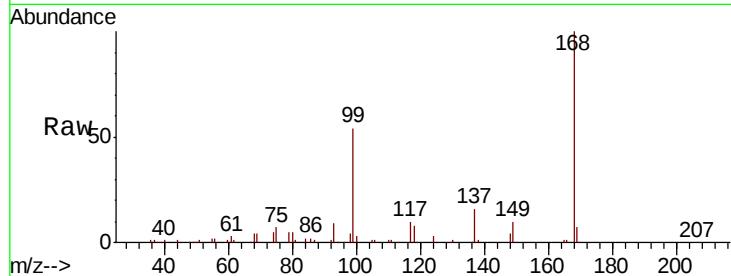




#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066305.D
Acq: 19 Aug 2020 05:50

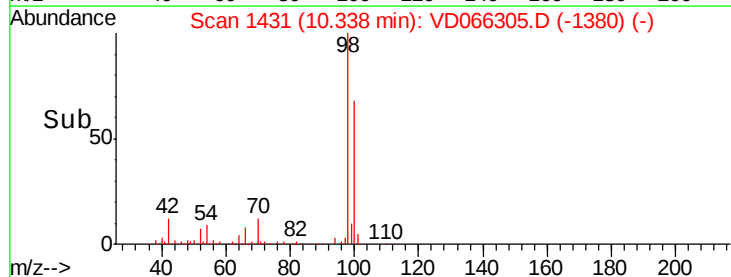
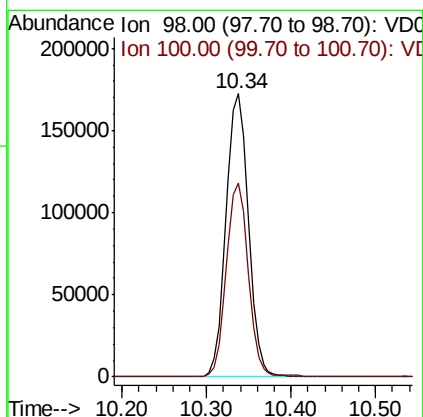
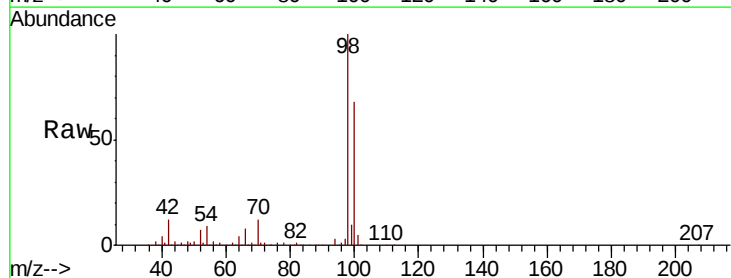
Instrument :
MSVOA_D
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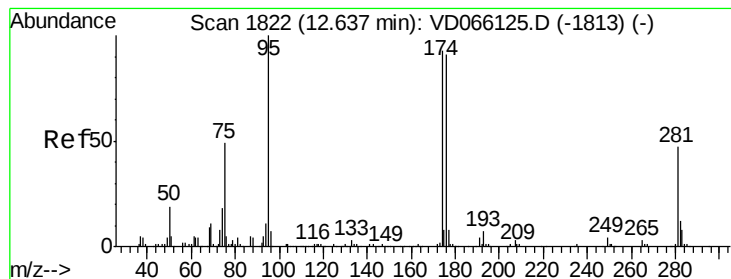
Tot Ion:117 Resp: 17733
Ion Ratio Lower Upper
117 100
119 3.2 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.816 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066305.D
Acq: 19 Aug 2020 05:50

Tgt Ion: 98 Resp: 315345
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 42.110 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

Instrument :

MSVOA_D

ClientSampleId :

TP-3

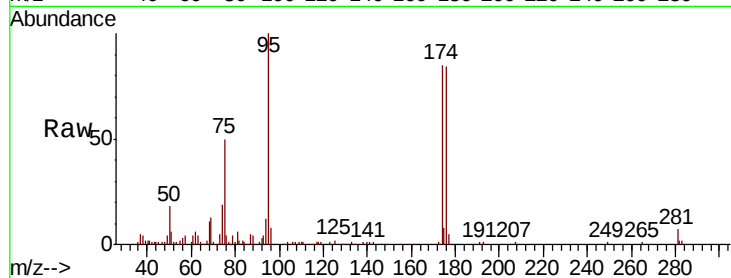
Tot Ion: 95 Resp: 104474

Ion Ratio Lower Upper

95 100

174 88.6 0.0 180.8

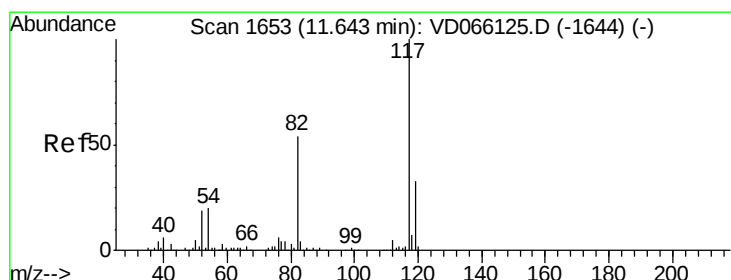
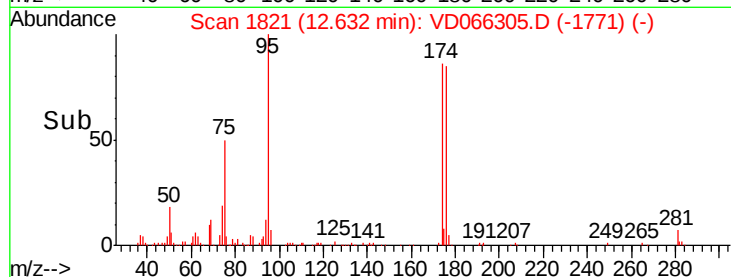
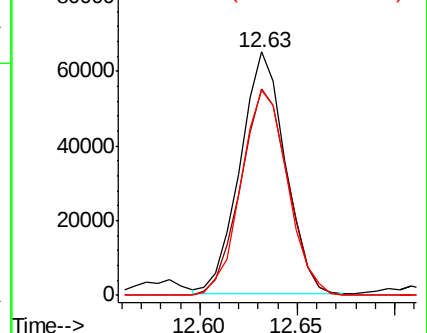
176 86.7 0.0 181.2



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

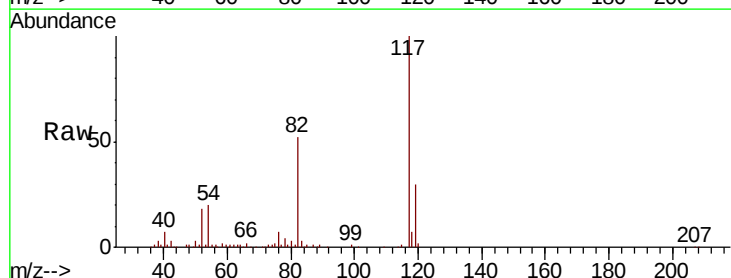
Tgt Ion: 117 Resp: 252784

Ion Ratio Lower Upper

117 100

82 51.6 43.0 64.4

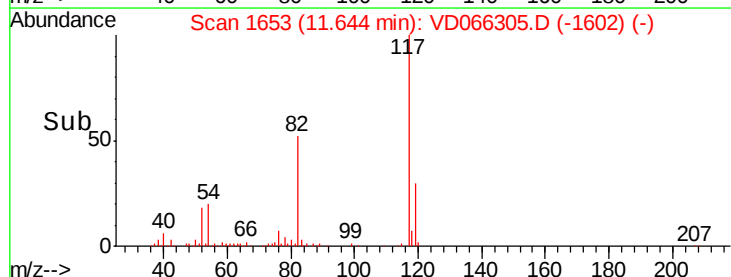
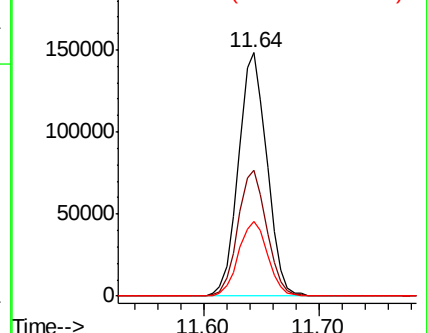
119 30.4 26.1 39.1

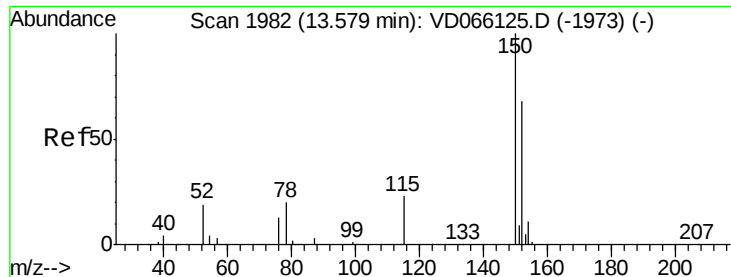


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.00 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

Instrument :

MSVOA_D

ClientSampleId :

TP-3

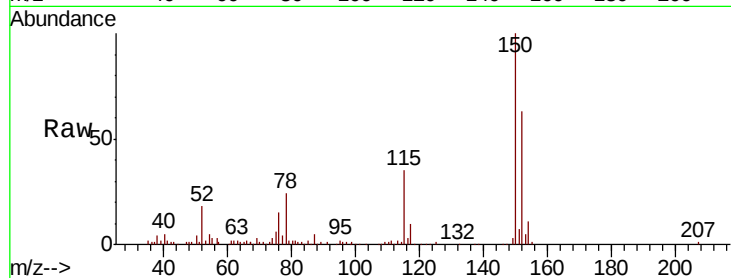
Tot Ion:152 Resp: 100281

Ion Ratio Lower Upper

152 100

115 55.3 28.0 83.9

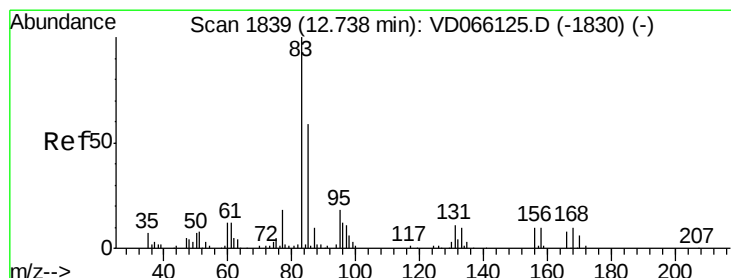
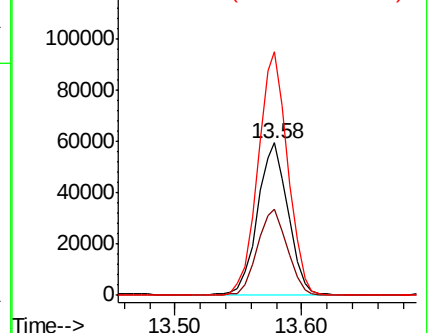
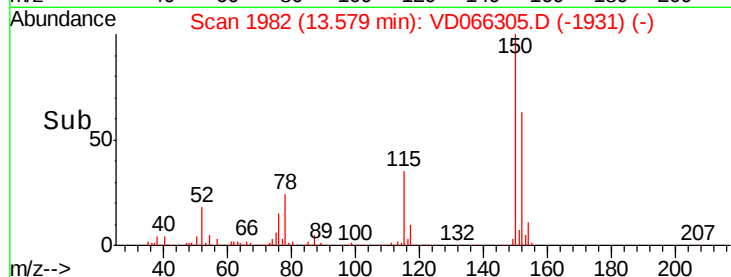
150 154.4 0.0 346.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.584 ug/l

RT: 12.70 min Scan# 1832

Delta R.T. -0.04 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

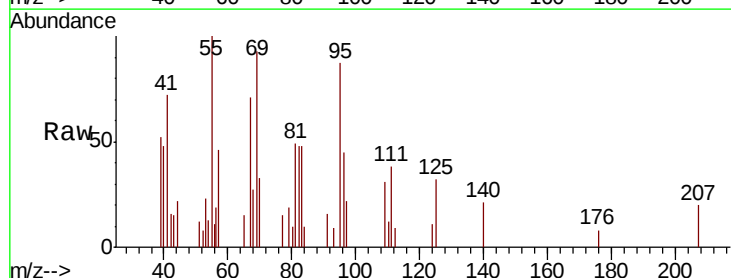
Tgt Ion: 83 Resp: 1808

Ion Ratio Lower Upper

83 100

131 0.0 6.2 18.6#

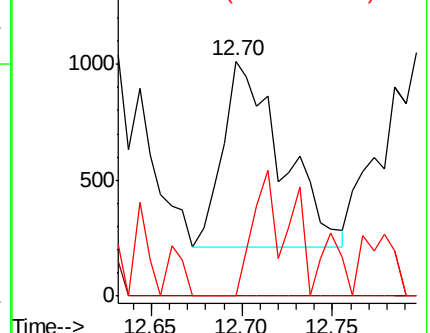
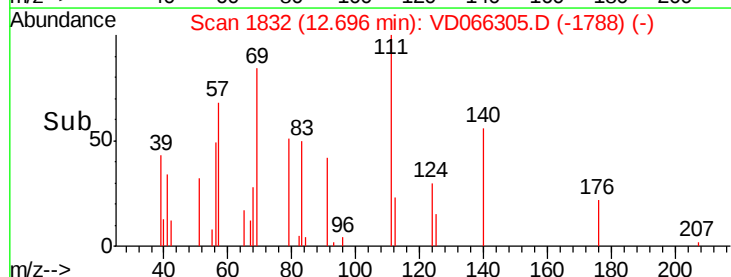
85 40.0 32.4 97.2

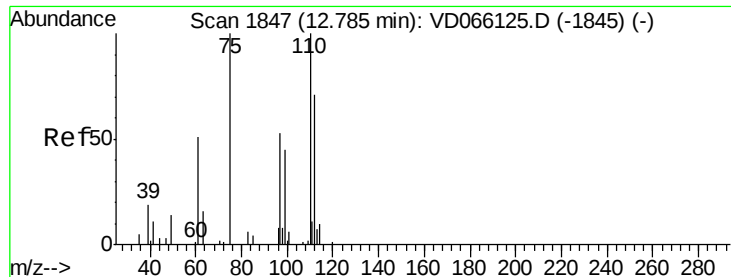


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 63.800 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

Instrument :

MSVOA_D

ClientSampleId :

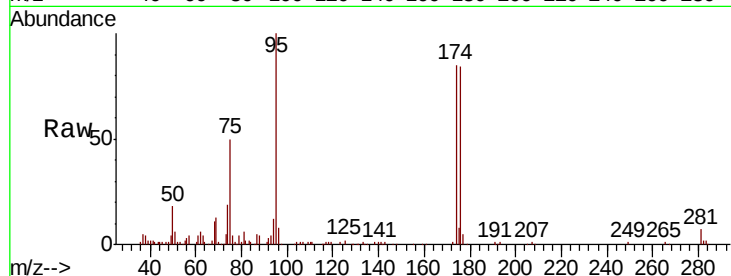
TP-3

Tot Ion: 75 Resp: 53354

Ion Ratio Lower Upper

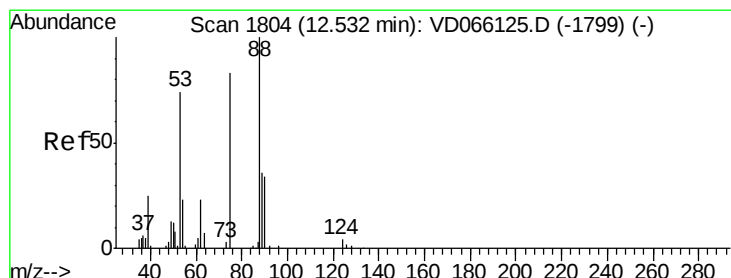
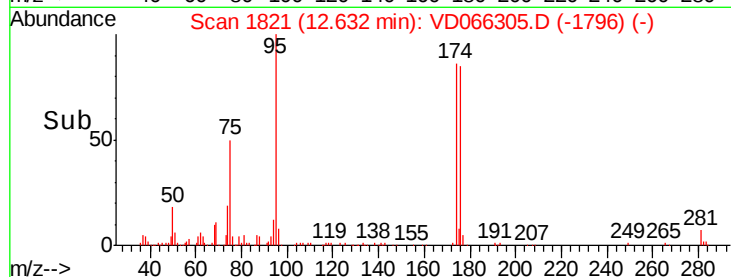
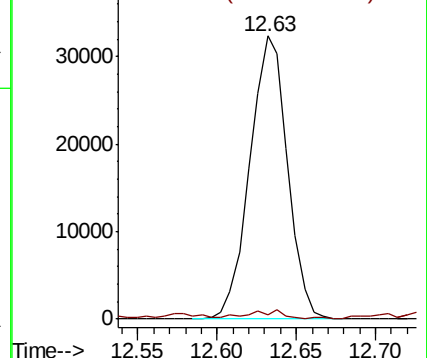
75 100

77 2.9 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: 141.033 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

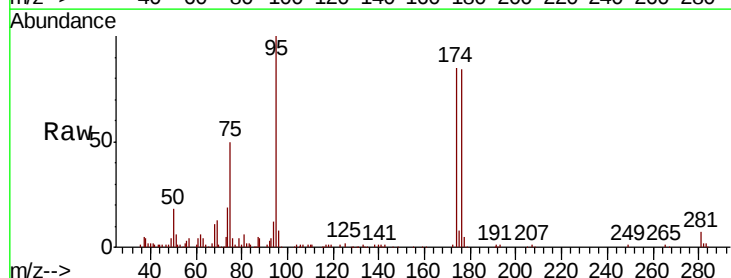
Tgt Ion: 75 Resp: 53354

Ion Ratio Lower Upper

75 100

53 2.3 73.4 110.2#

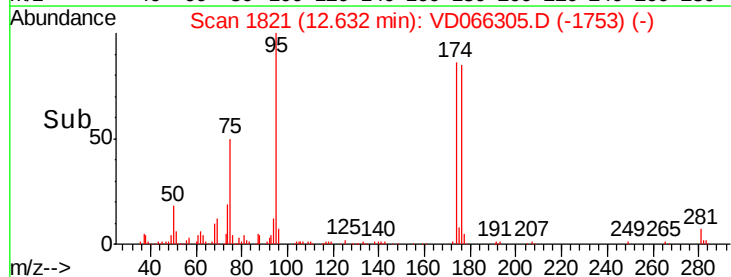
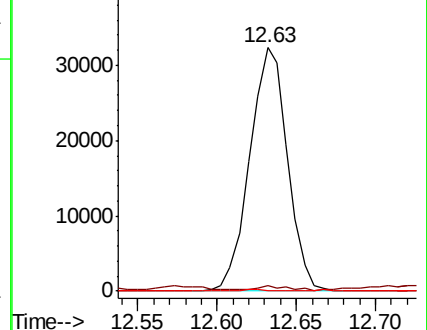
89 0.3 36.6 55.0#

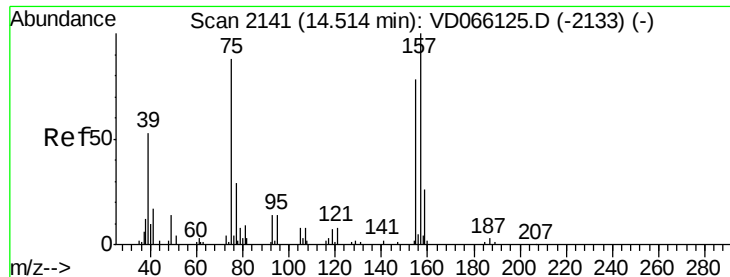


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.162 ug/l

RT: 14.56 min Scan# 2149

Delta R.T. 0.05 min

Lab File: VD066305.D

Acq: 19 Aug 2020 05:50

Instrument :

MSVOA_D

ClientSampleId :

TP-3

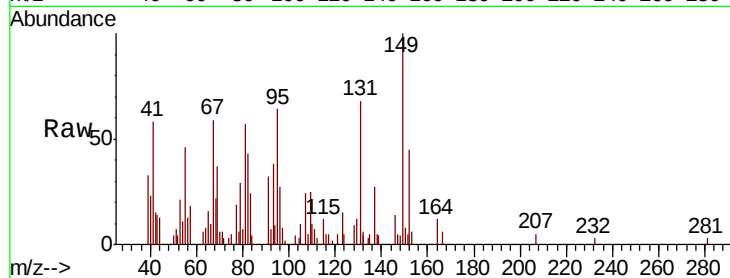
Tot Ion: 75 Resp: 228

Ion Ratio Lower Upper

75 100

155 0.0 47.7 143.1#

157 0.0 62.1 186.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

