

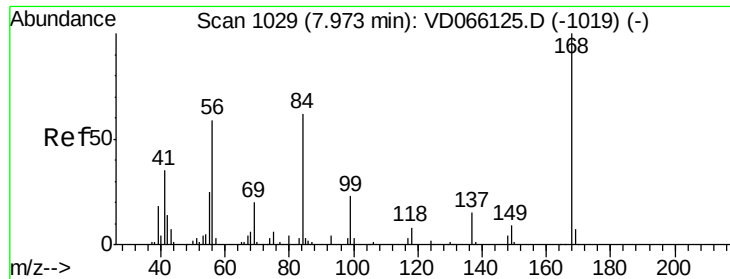
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066321.D
 Acq On : 19 Aug 2020 16:24
 Operator : VA/SY
 Sample : L3681-04RE
 Misc : 7.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Aug 20 07:17:47 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	190492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	283492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	253300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	93880	55.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.48%	
35) Dibromofluoromethane	7.91	113	93293	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
50) Toluene-d8	10.34	98	322424	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.63	95	102606	42.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.90%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	61	Below Cal	#	76
16) Acetone	4.17	43	580	1.799	ug/l #	44
20) Methylene Chloride	4.97	84	30645	13.106	ug/l	99
31) Cyclohexane	7.97	56	4091	1.374	ug/l #	48
36) 1,1-Dichloropropene	7.97	75	14325	5.377	ug/l #	48
38) Carbon Tetrachloride	7.97	117	19564	6.586	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1504	1.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	52262	55.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	52262	122.955	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

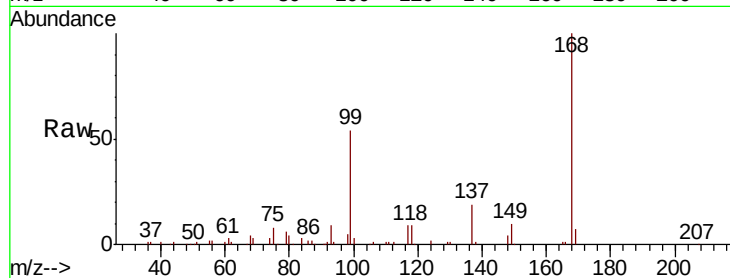
TP-2

Tot Ion:168 Resp: 190492

Ion Ratio Lower Upper

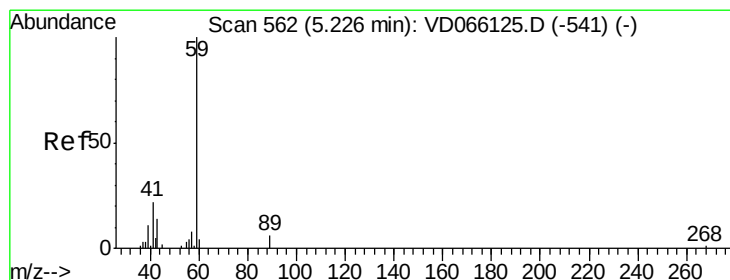
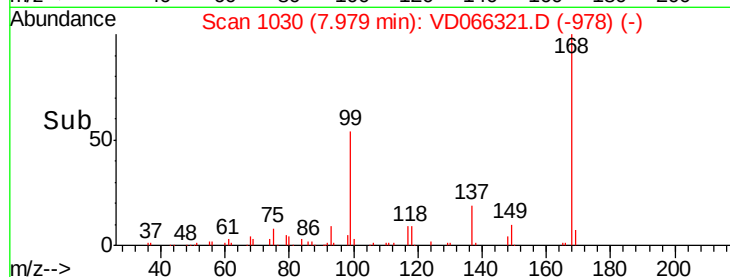
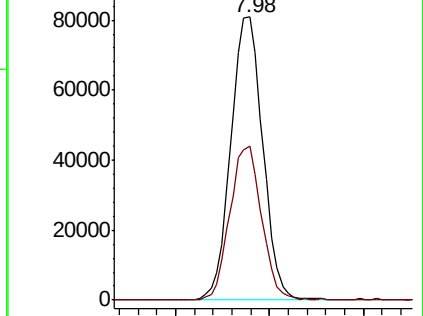
168 100

99 54.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066321.D

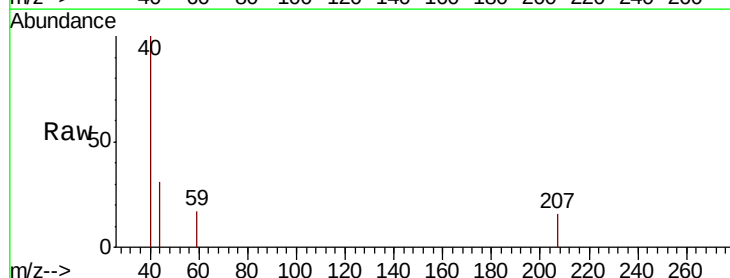
Acq: 19 Aug 2020 16:24

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

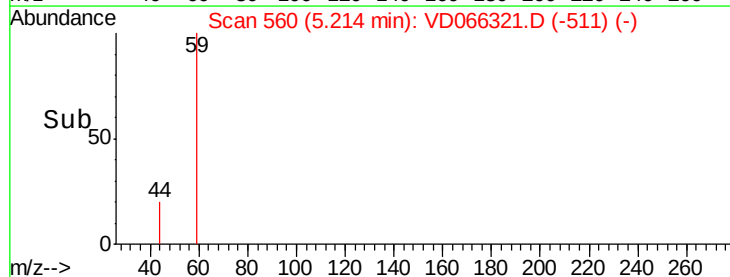
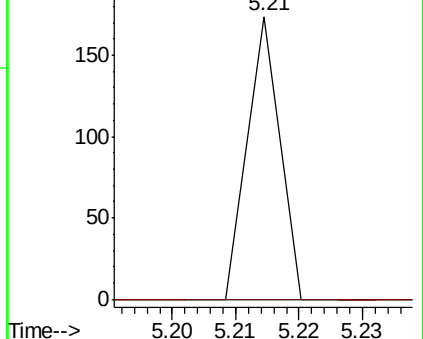
59 100

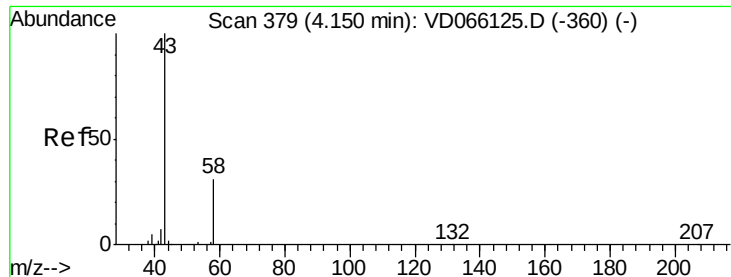
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.799 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

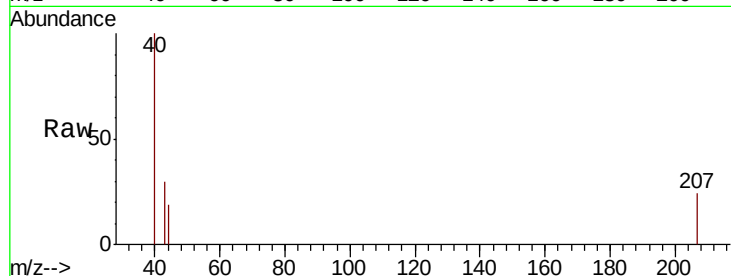
TP-2

Tot Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

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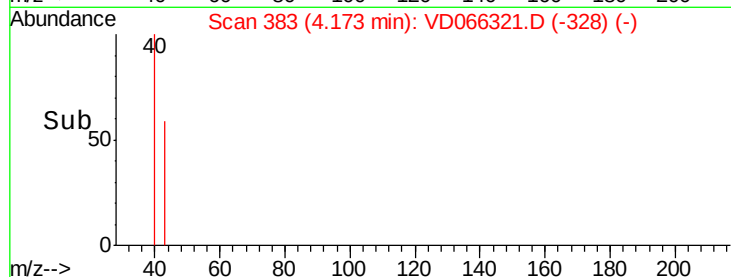
4.17

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4.17



#20

Methylene Chloride

Concen: 13.106 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Tgt Ion: 84 Resp: 30645

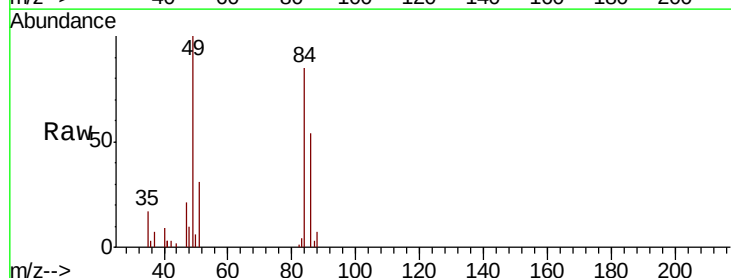
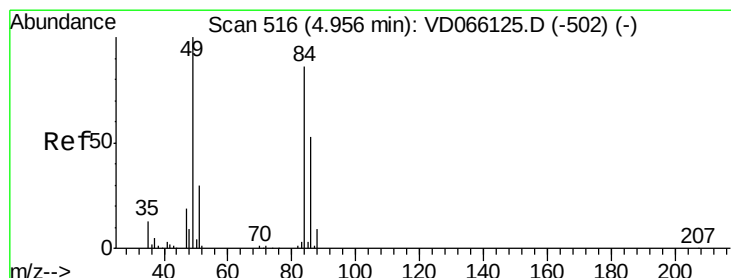
Ion Ratio Lower Upper

84 100

49 118.2 93.5 140.3

51 36.2 28.2 42.4

86 63.4 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

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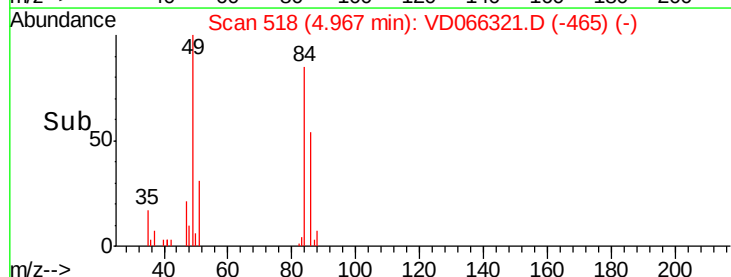
4.97

4.97

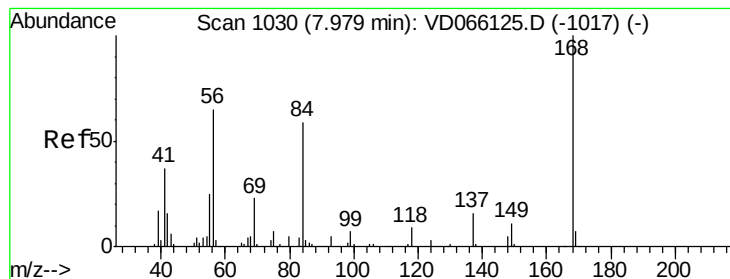
4.97

4.97

4.97



Time-->



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Instrument :

MSVOA_D

ClientSampled :

TP-2

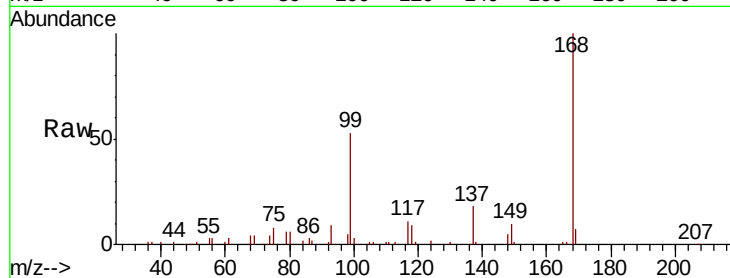
Tot Ion: 56 Resp: 4091

Ion Ratio Lower Upper

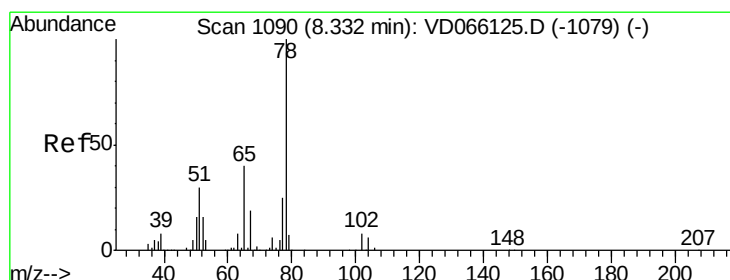
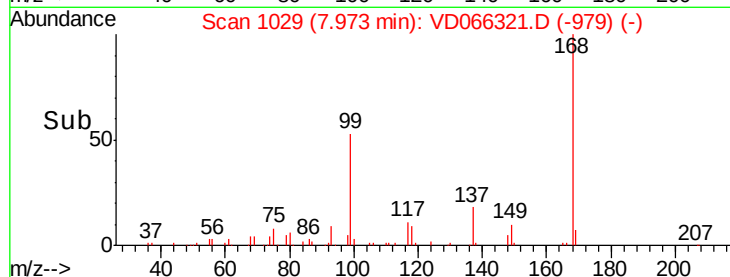
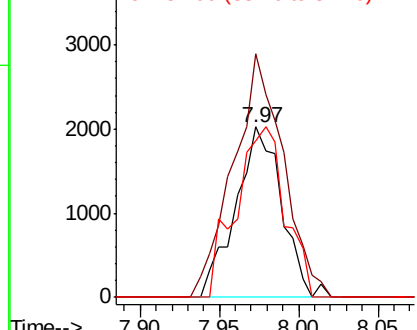
56 100

69 143.2 28.8 43.2#

84 91.8 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: 55.241 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066321.D

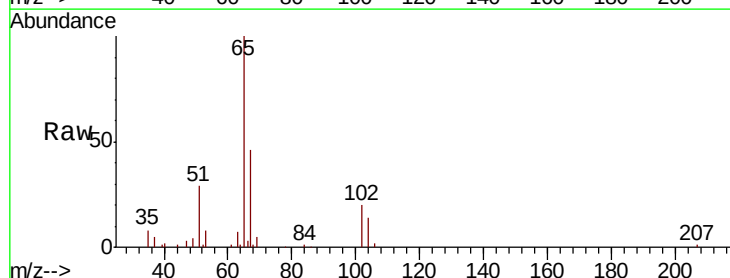
Acq: 19 Aug 2020 16:24

Tgt Ion: 65 Resp: 93880

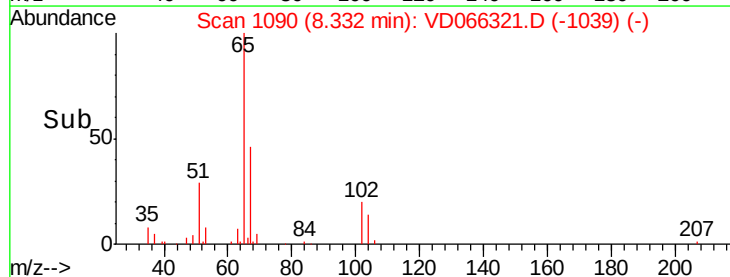
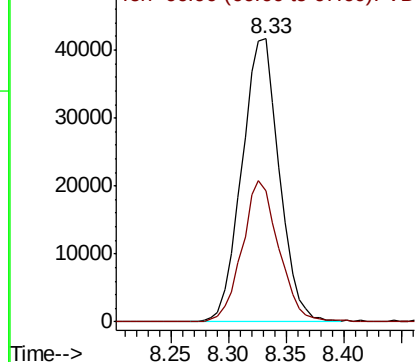
Ion Ratio Lower Upper

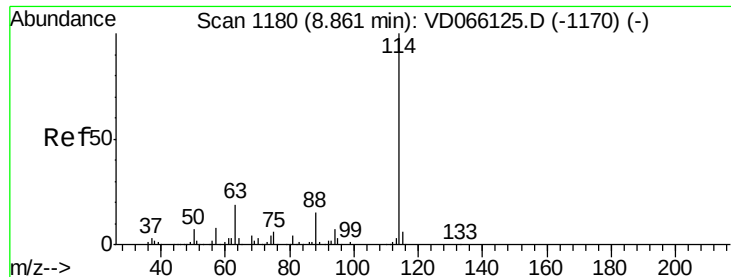
65 100

67 48.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

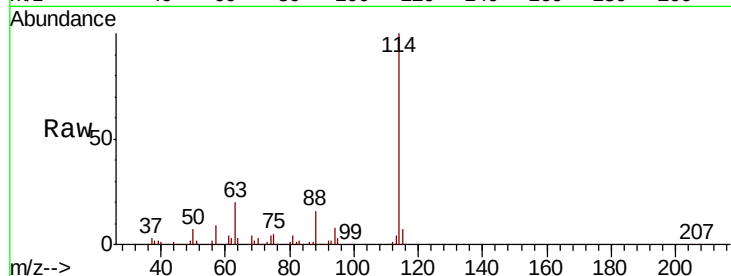




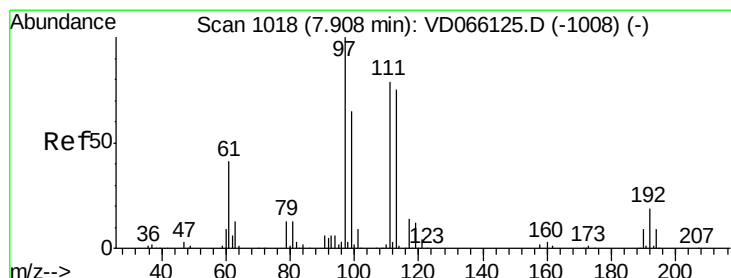
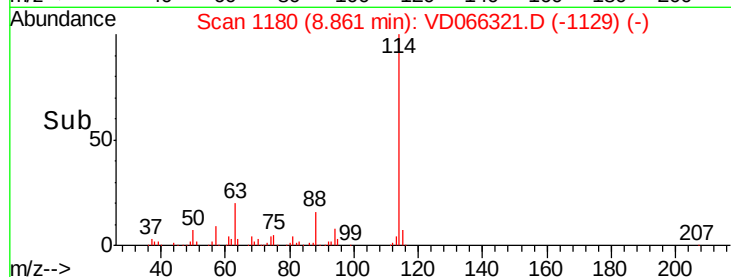
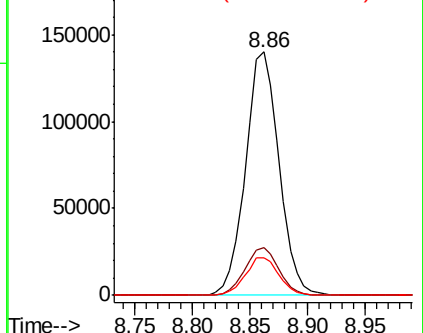
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066321.D
 Acq: 19 Aug 2020 16:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.6
88	15.6	0.0	30.0

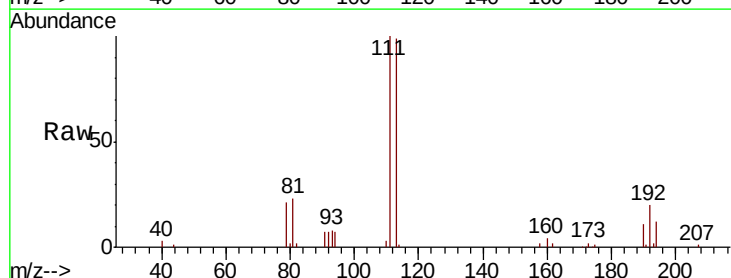


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

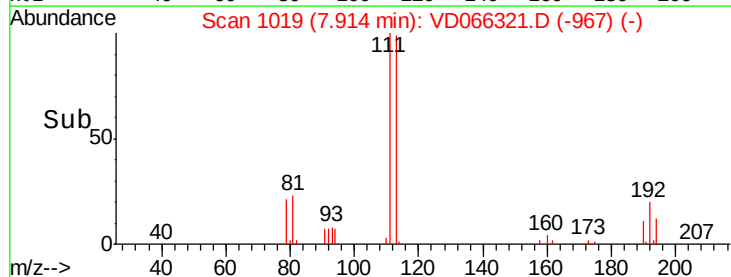
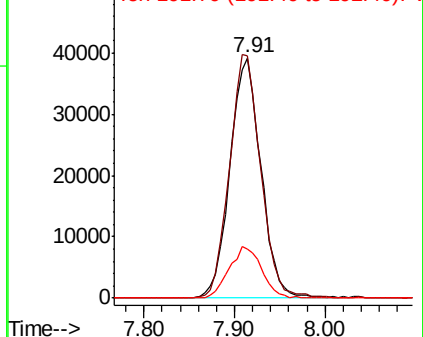


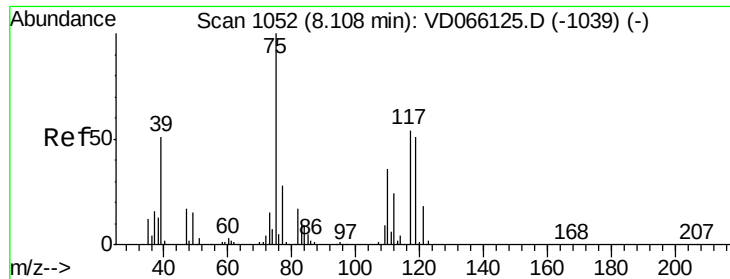
#35
 Dibromofluoromethane
 Concen: 51.948 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066321.D
 Acq: 19 Aug 2020 16:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.7	121.1
192	22.4	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

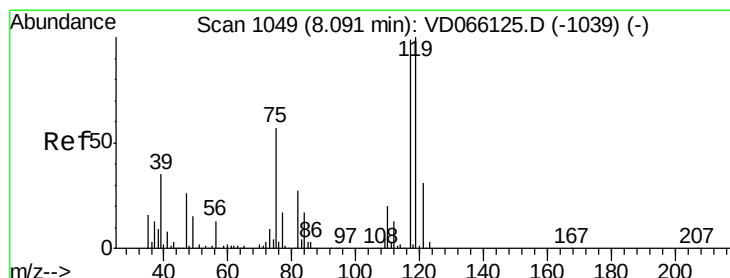
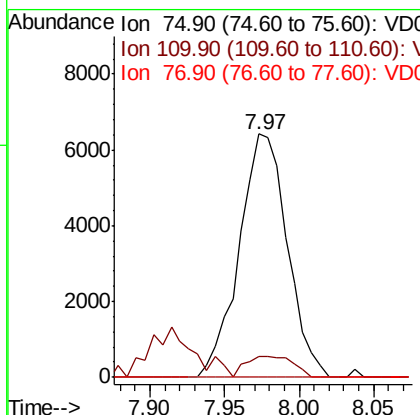
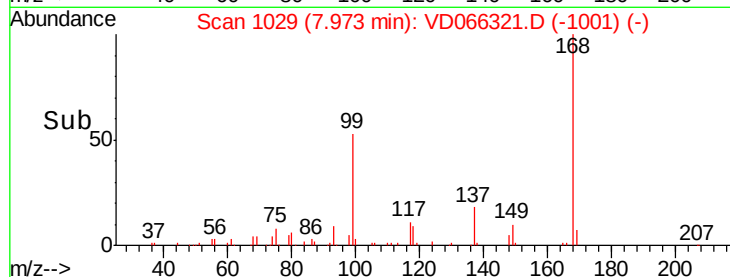
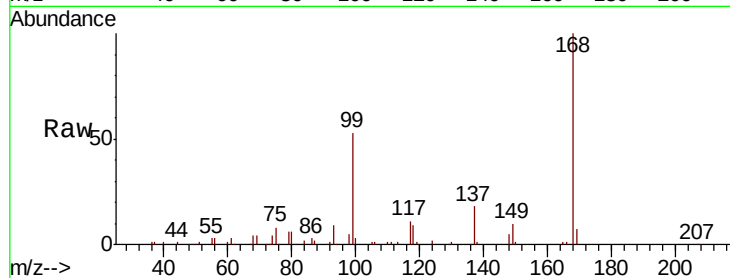




#36
 1,1-Dichloropropene
 Concen: 5.377 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066321.D
 Acq: 19 Aug 2020 16:24

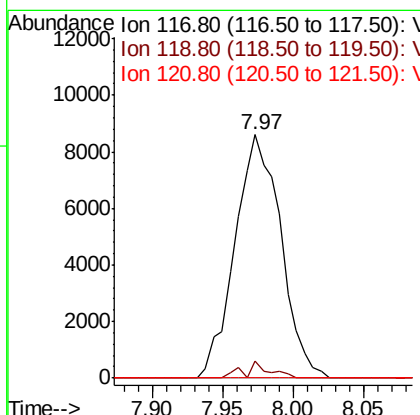
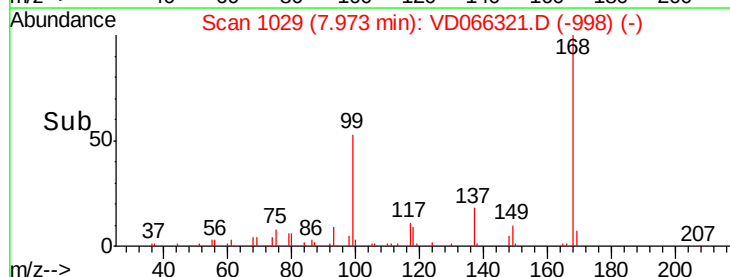
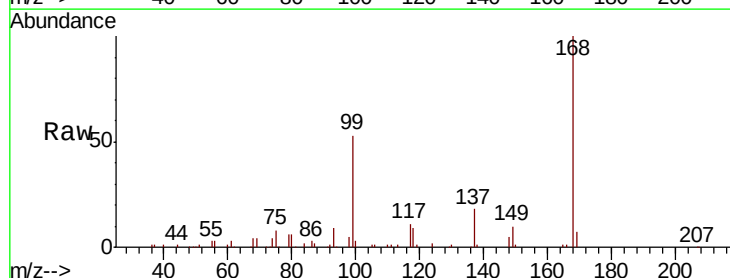
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

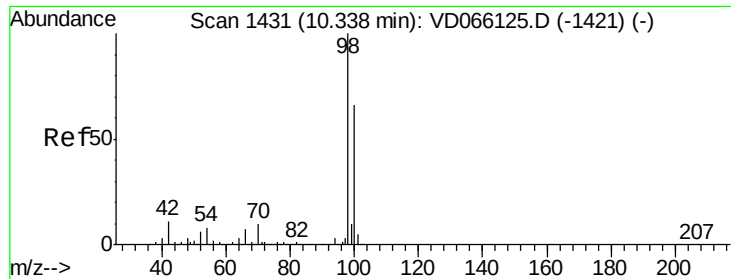
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.586 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066321.D
 Acq: 19 Aug 2020 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	81.0	121.4#
121	0.0	24.8	37.2#

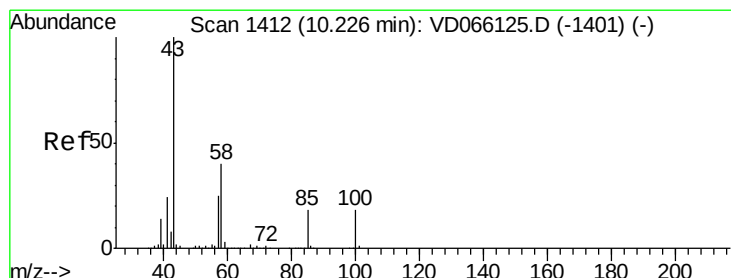
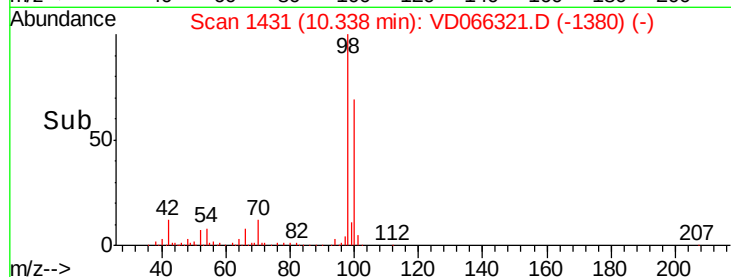
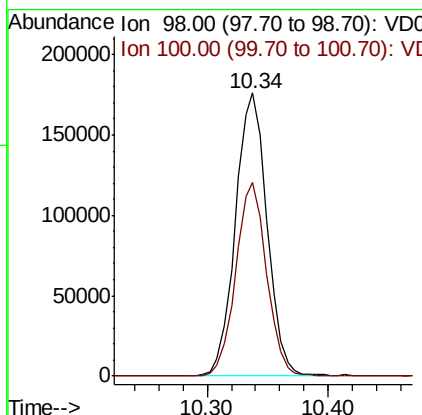
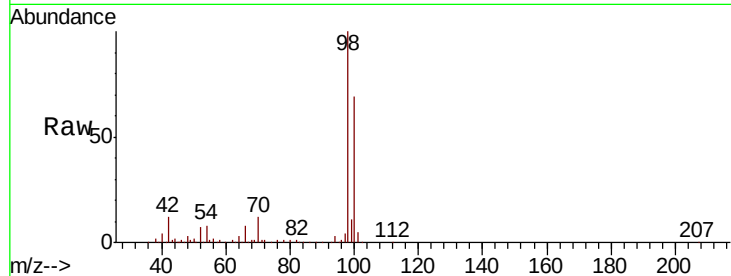




#50
Toluene-d8
Concen: 48.651 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066321.D
Acq: 19 Aug 2020 16:24

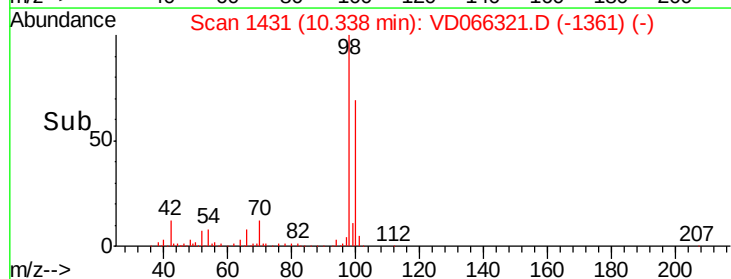
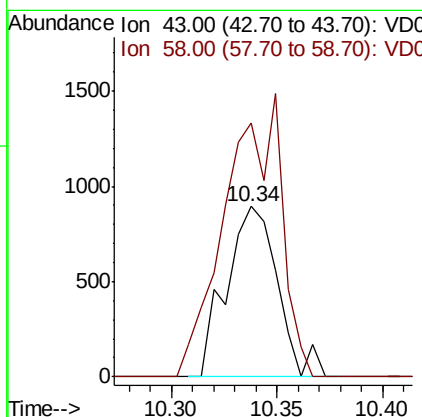
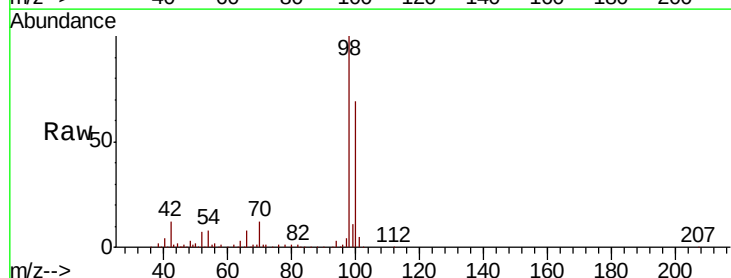
Instrument :
MSVOA_D
ClientSampled :
TP-2

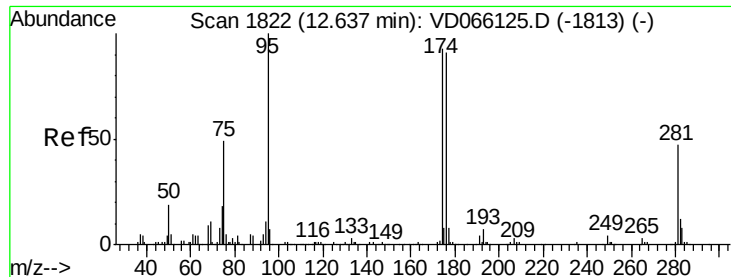
Tot Ion: 98 Resp: 322424
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.408 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066321.D
Acq: 19 Aug 2020 16:24

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 180.1 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 42.952 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

TP-2

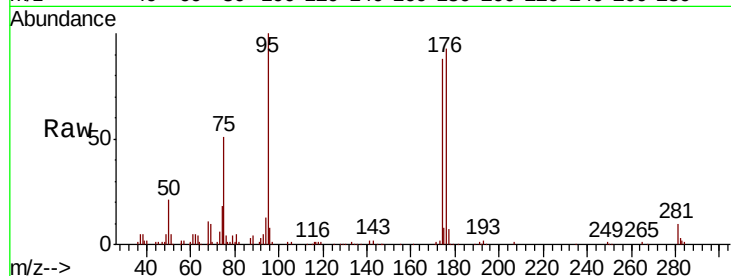
Tot Ion: 95 Resp: 102606

Ion Ratio Lower Upper

95 100

174 92.0 0.0 180.8

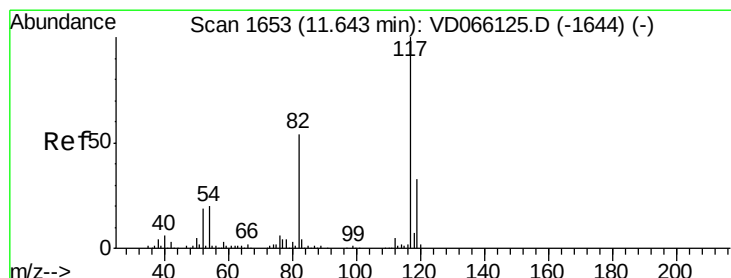
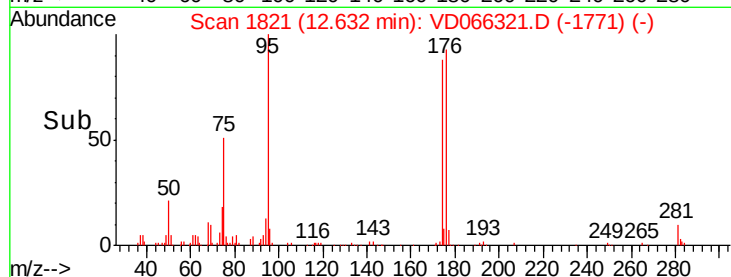
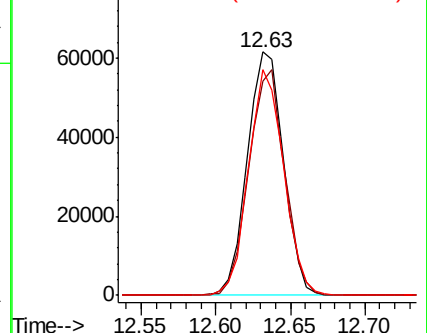
176 90.8 0.0 181.2



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: VD066321.D

Acq: 19 Aug 2020 16:24

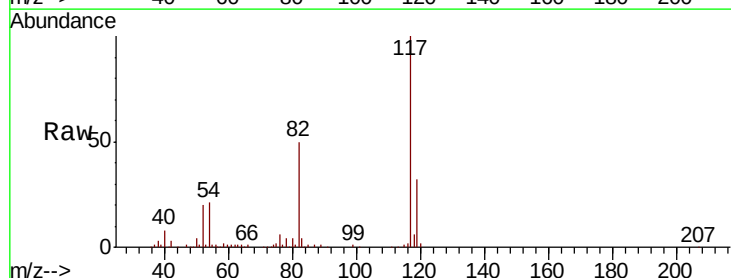
Tgt Ion: 117 Resp: 253300

Ion Ratio Lower Upper

117 100

82 49.9 43.0 64.4

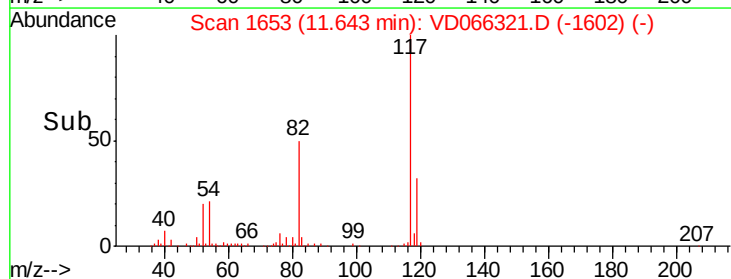
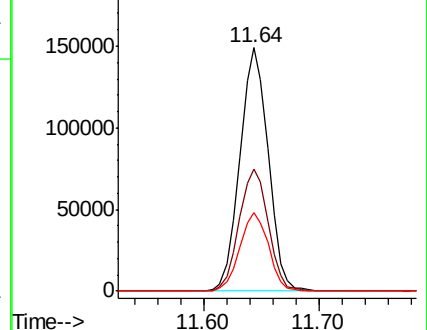
119 32.1 26.1 39.1

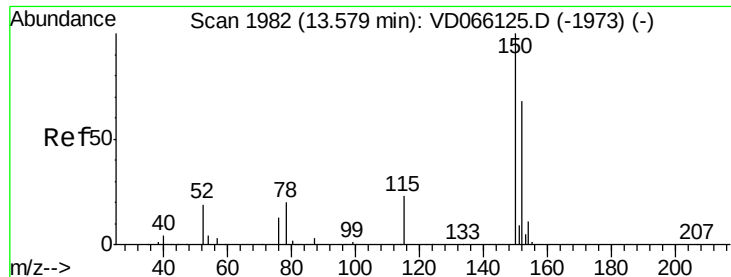


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



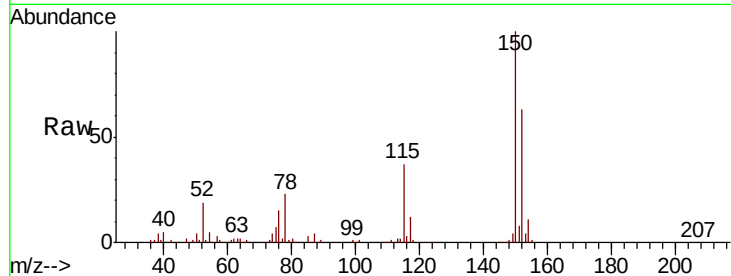


#72

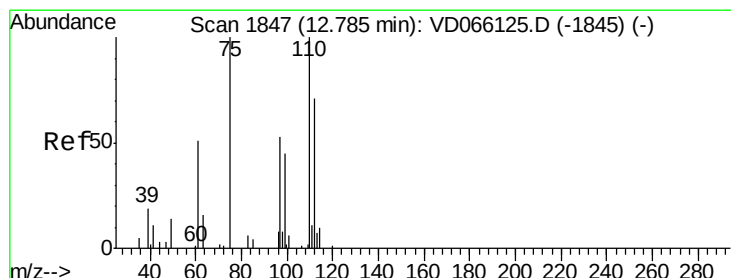
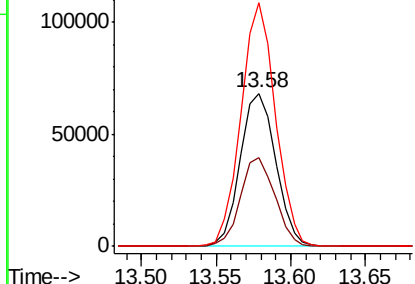
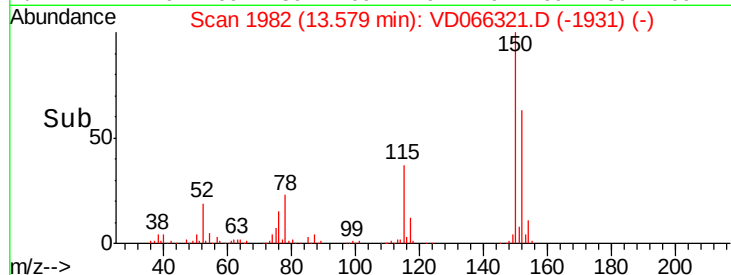
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066321.D
Acq: 19 Aug 2020 16:24

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tot Ion:152 Resp: 112671
Ion Ratio Lower Upper
152 100
115 56.4 28.0 83.9
150 153.9 0.0 346.4



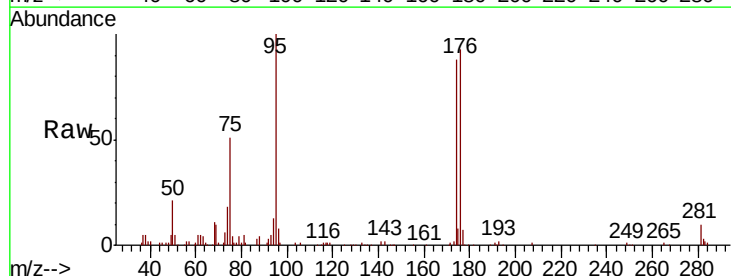
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



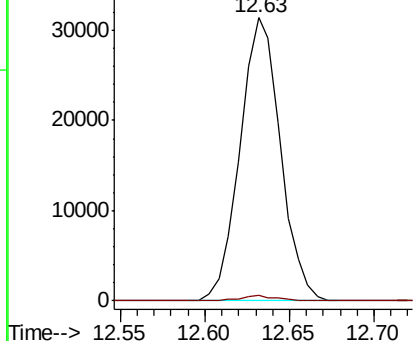
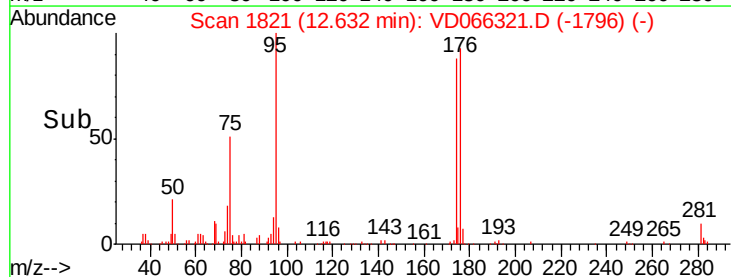
#76

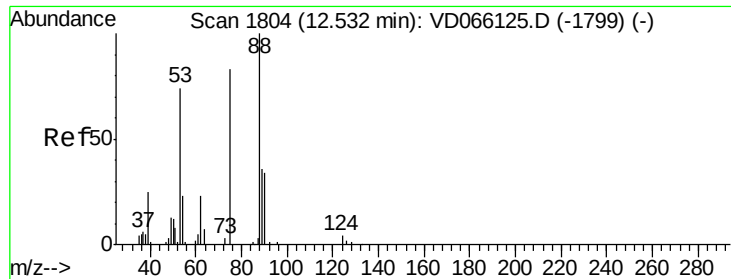
1,2,3-Trichloropropane
Concen: 55.622 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066321.D
Acq: 19 Aug 2020 16:24

Tgt Ion: 75 Resp: 52262
Ion Ratio Lower Upper
75 100
77 1.6 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: 122.955 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066321.D

Acq: 19 Aug 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

TP-2

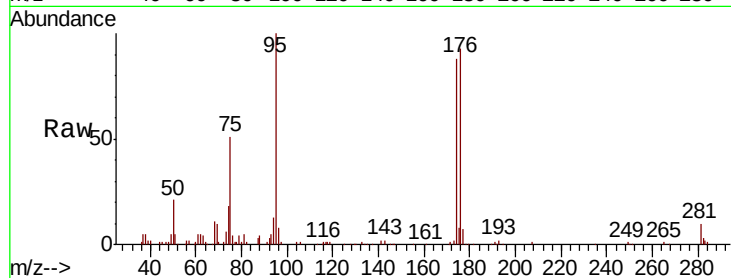
Tot Ion: 75 Resp: 52262

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 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

