

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066304.D
 Acq On : 19 Aug 2020 05:23
 Operator : VA/SY
 Sample : L3689-07
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Aug 19 06:47:24 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	209601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	212644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	67893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104978	56.14	ug/l	0.00
Spiked Amount						
			Recovery	=	112.28%	
35) Dibromofluoromethane	7.91	113	106266	78.89	ug/l	0.00
Spiked Amount						
			Recovery	=	157.78%	
50) Toluene-d8	10.34	98	33680	6.78	ug/l	0.00
Spiked Amount						
			Recovery	=	13.56%	
62) 4-Bromofluorobenzene	12.63	95	135765	75.77	ug/l	0.00
Spiked Amount						
			Recovery	=	151.54%	

Target Compounds

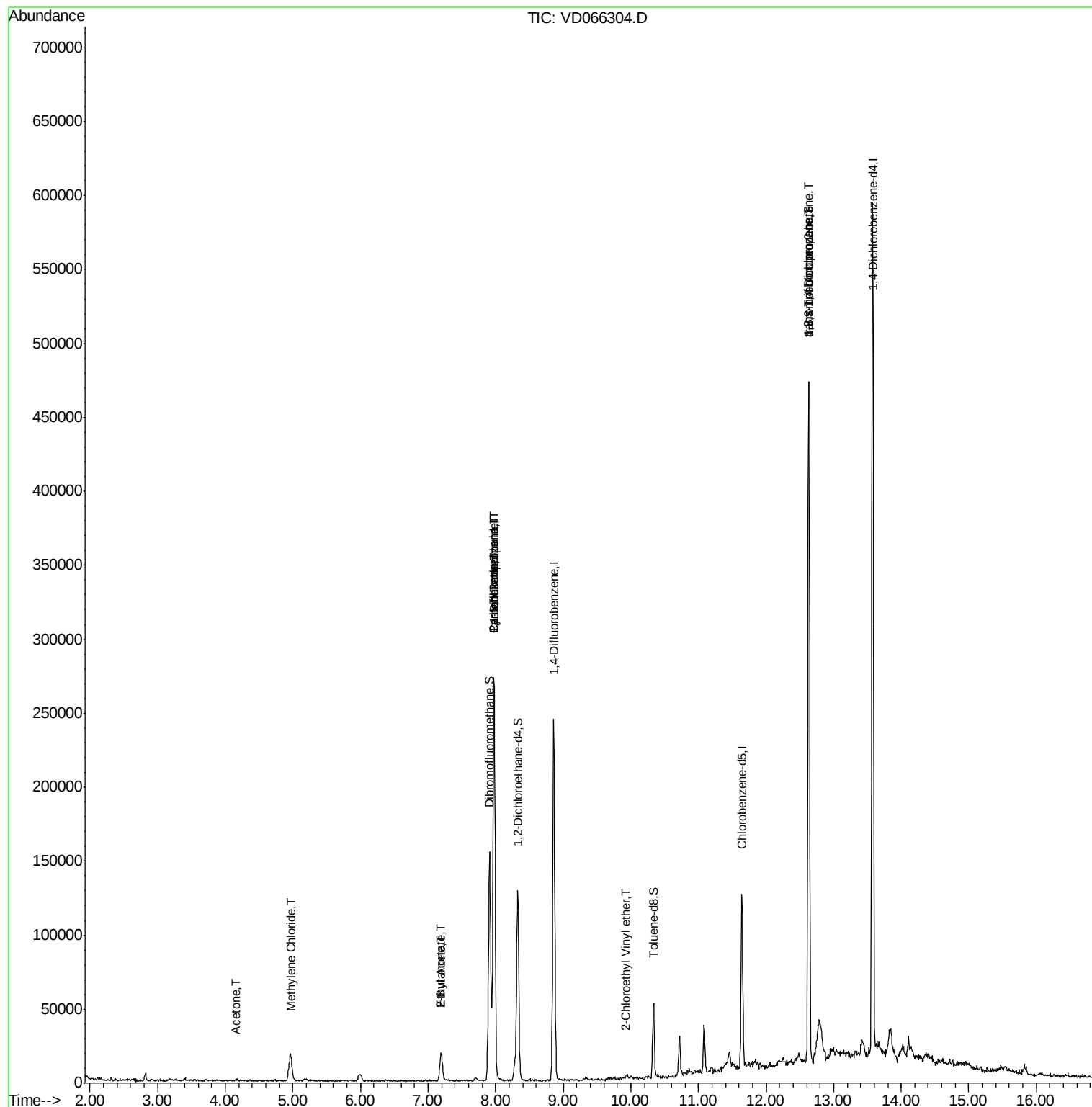
					Qvalue	
11) Tert butyl alcohol	5.24	59	61	Below Cal	#	76
16) Acetone	4.16	43	1638	4.617	ug/l	91
20) Methylene Chloride	4.97	84	13955	2.409	ug/l	89
25) 2-Butanone	7.19	43	1055	2.022	ug/l #	47
31) Cyclohexane	7.98	56	4874	1.488	ug/l #	6
36) 1,1-Dichloropropene	7.97	75	15180	7.597	ug/l #	51
37) Ethyl Acetate	7.19	43	1055	1.333	ug/l #	1
38) Carbon Tetrachloride	7.97	117	19774	8.874	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.93	63	1179	2.029	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	69274	52.246	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	69274	115.493	ug/l #	13

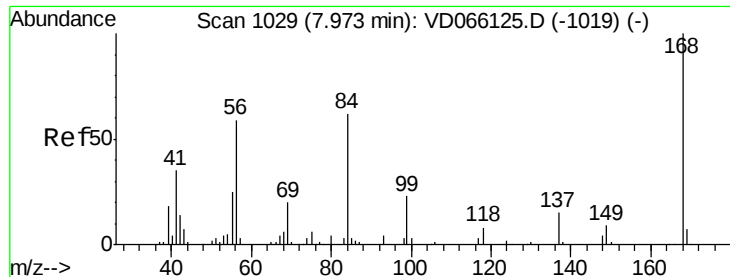
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampleId :

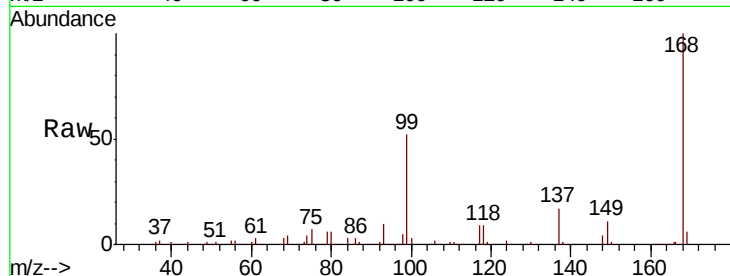
TP-4

Tot Ion:168 Resp: 209601

Ion Ratio Lower Upper

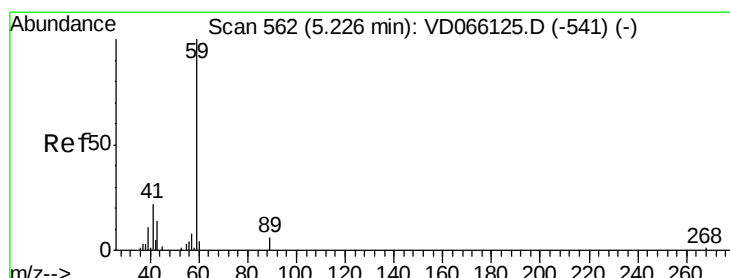
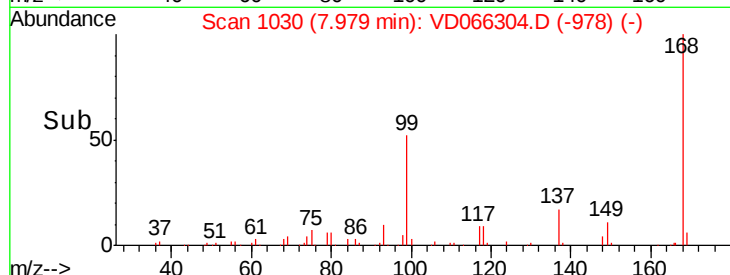
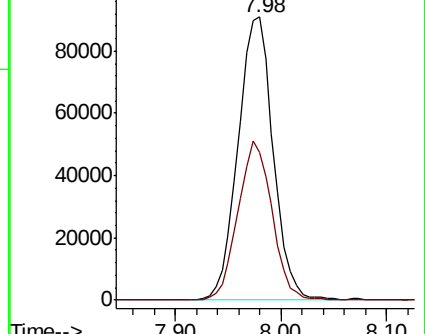
168 100

99 52.2 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: 5.24 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD066304.D

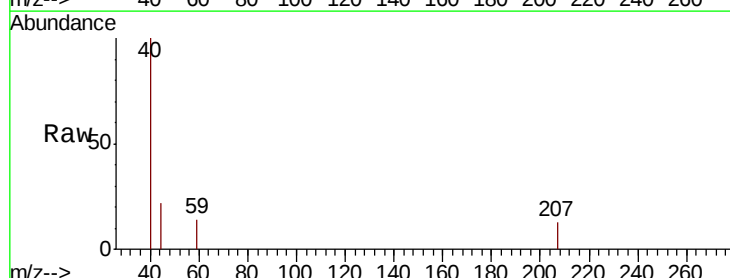
Acq: 19 Aug 2020 05:23

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

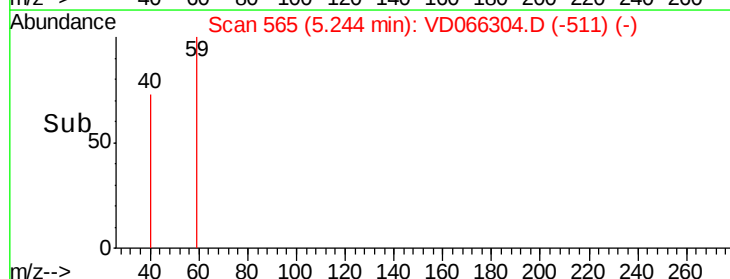
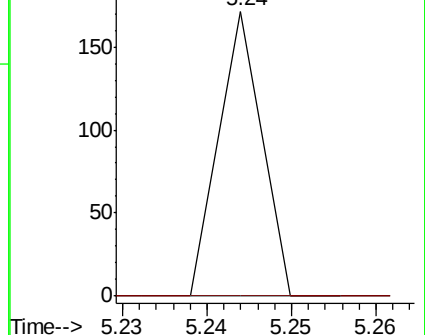
59 100

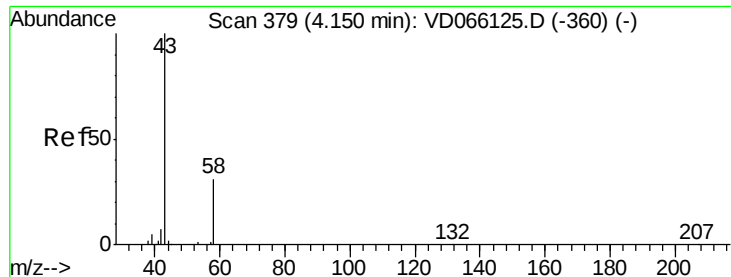
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.617 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampleId :

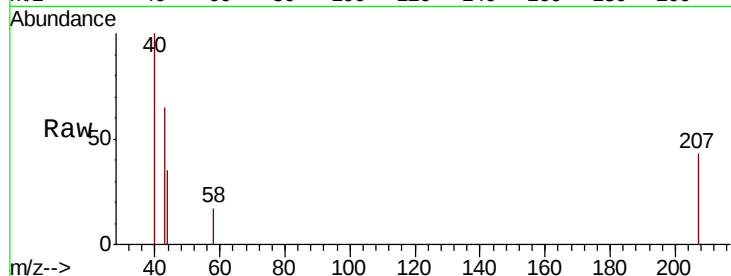
TP-4

Tot Ion: 43 Resp: 1638

Ion Ratio Lower Upper

43 100

58 25.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

600

400

200

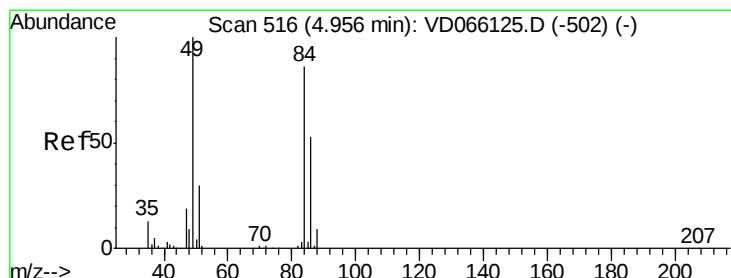
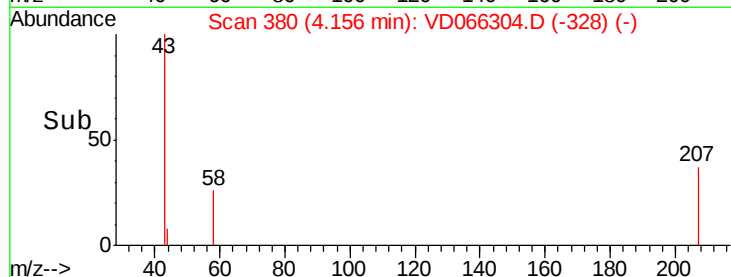
0

4.10

4.15

4.20

Time-->



#20

Methylene Chloride

Concen: 2.409 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Tgt Ion: 84 Resp: 13955

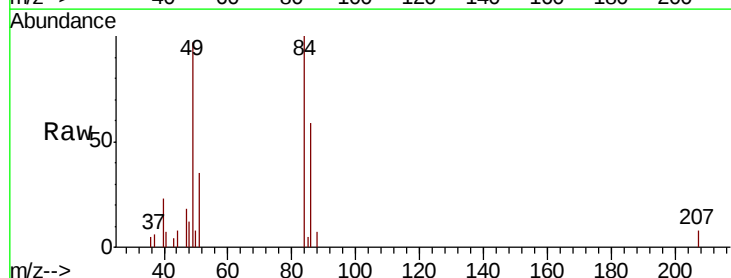
Ion Ratio Lower Upper

84 100

49 97.1 93.5 140.3

51 34.8 28.2 42.4

86 58.8 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

8000

6000

4000

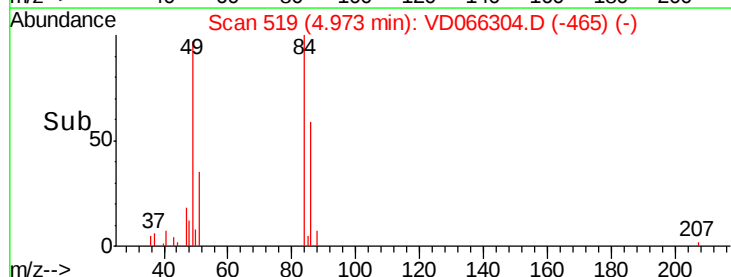
2000

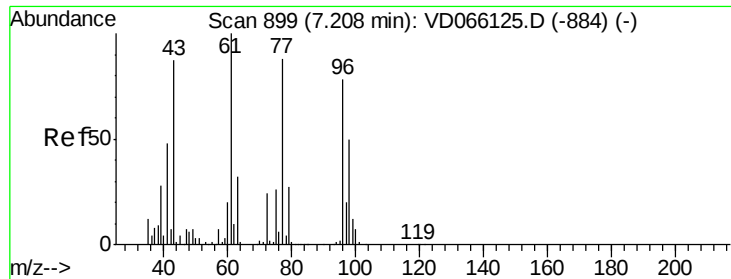
0

4.90

5.00

Time-->





#25

2-Butanone

Concen: 2.022 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampleId :

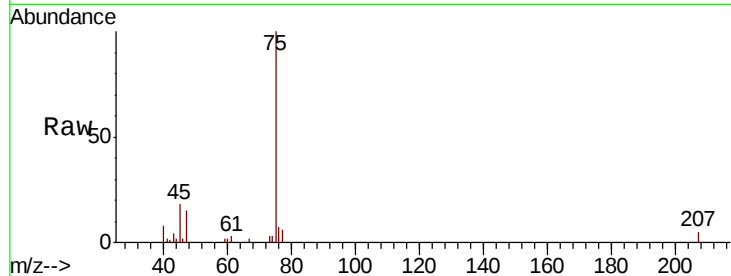
TP-4

Tot Ion: 43 Resp: 1055

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

7.19

400

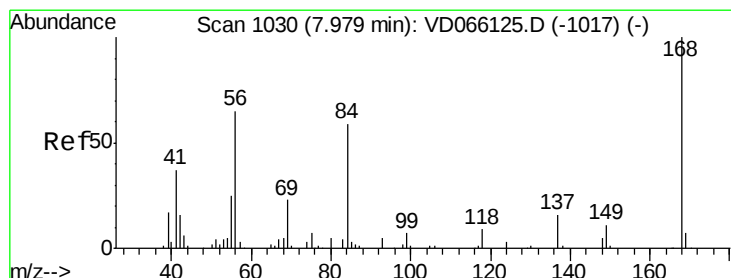
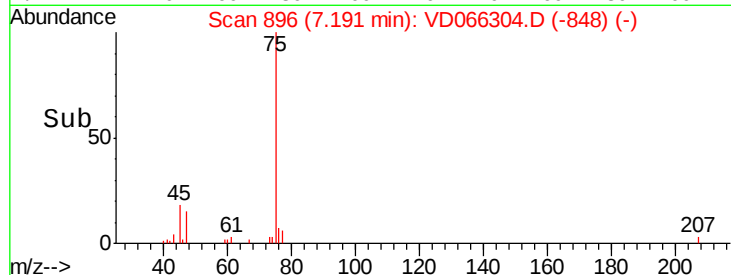
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.488 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

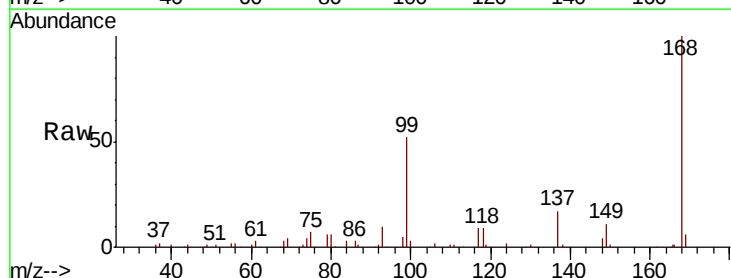
Tgt Ion: 56 Resp: 4874

Ion Ratio Lower Upper

56 100

69 173.0 28.8 43.2#

84 128.1 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

5000

4000

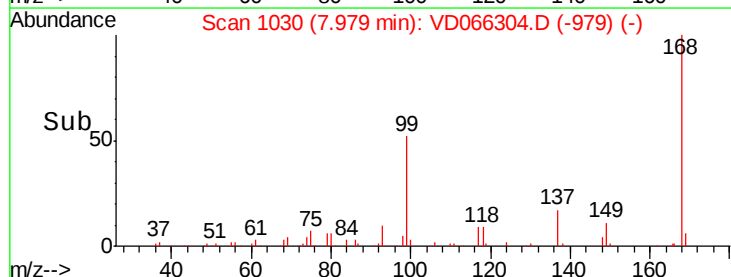
3000

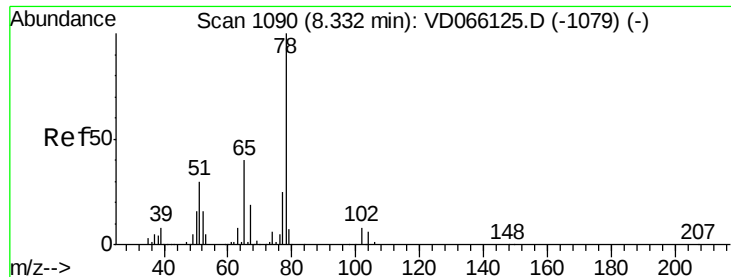
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.139 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampleId :

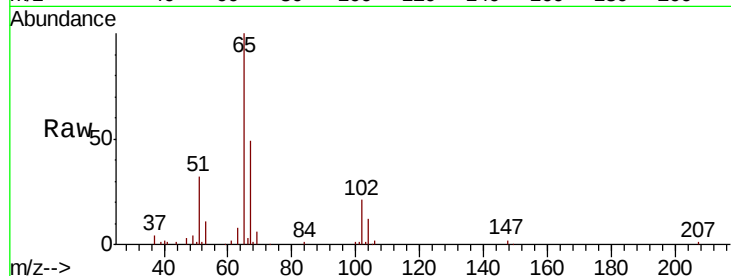
TP-4

Tot Ion: 65 Resp: 104978

Ion Ratio Lower Upper

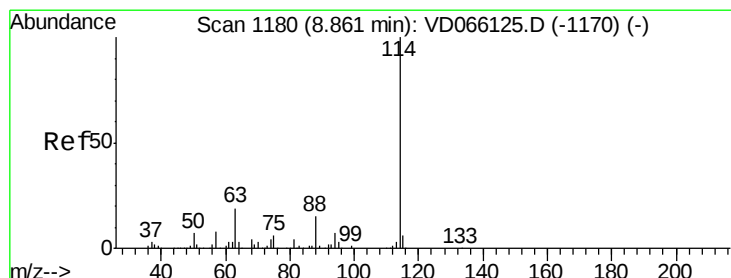
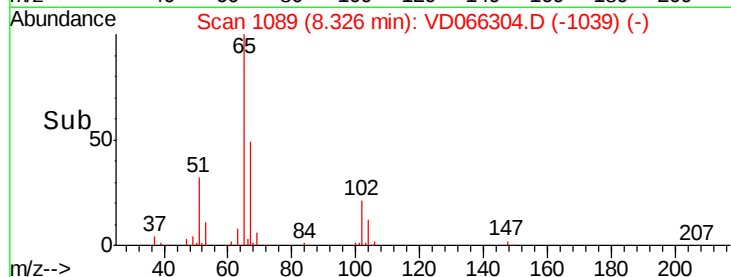
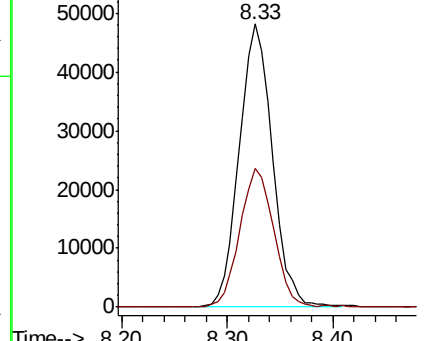
65 100

67 50.1 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: VD066304.D

Acq: 19 Aug 2020 05:23

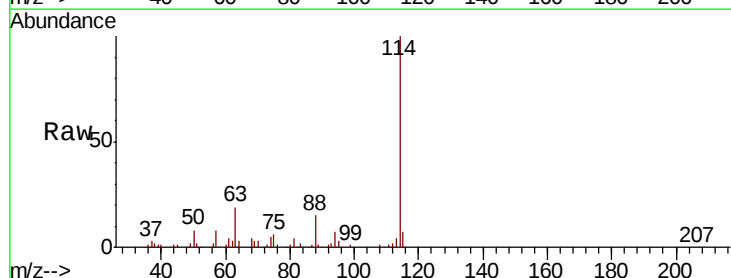
Tgt Ion: 114 Resp: 212644

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

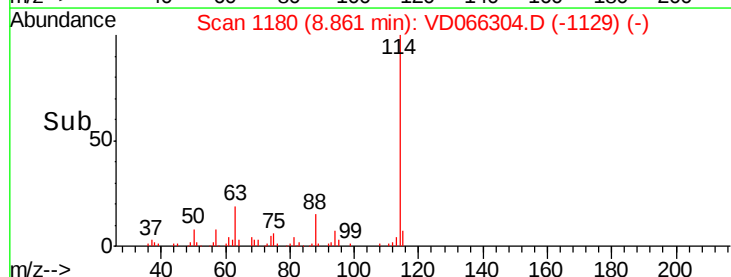
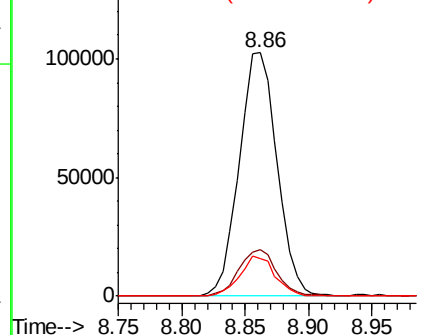
88 15.4 0.0 30.0

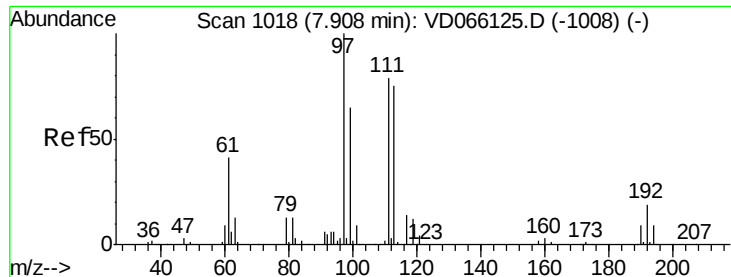


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

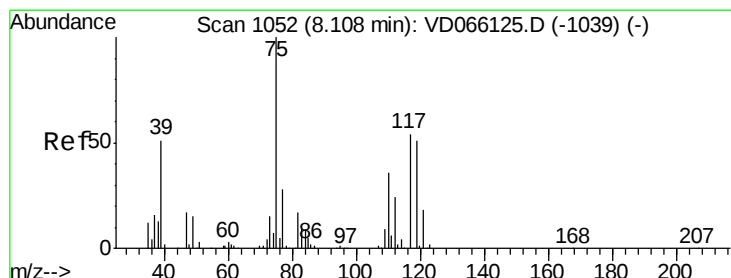
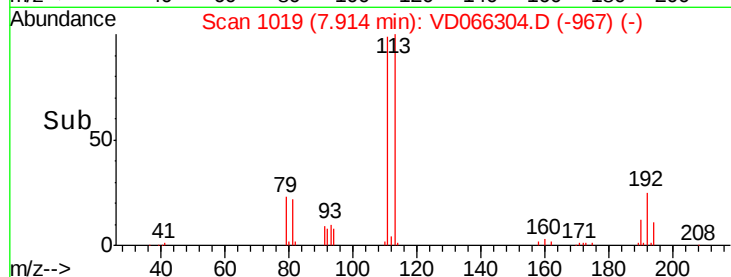
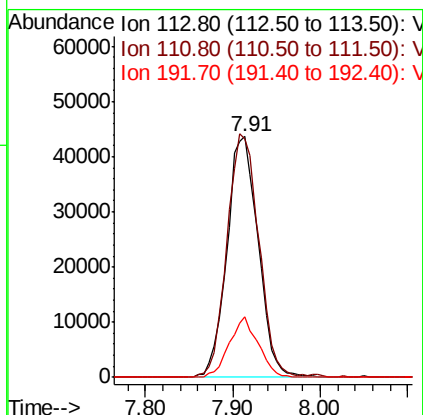
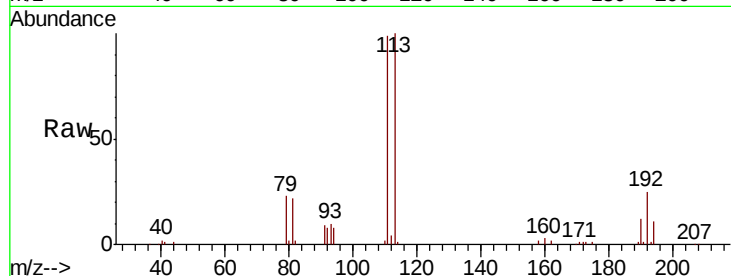




#35
 Dibromofluoromethane
 Concen: 78.886 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066304.D
 Acq: 19 Aug 2020 05:23

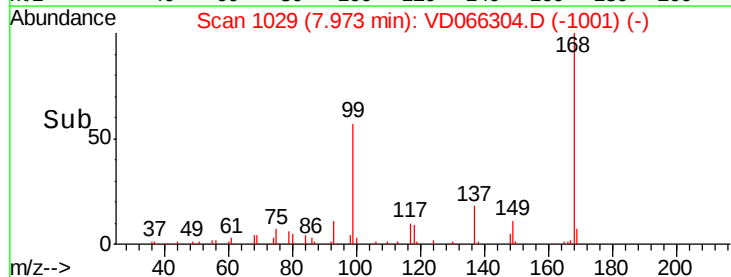
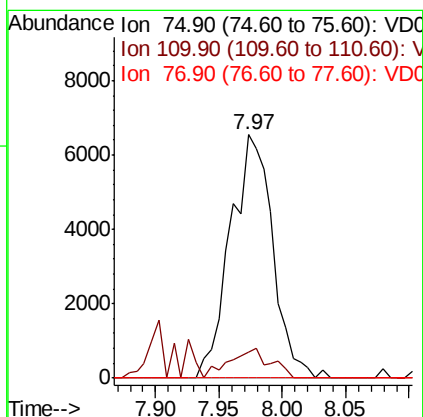
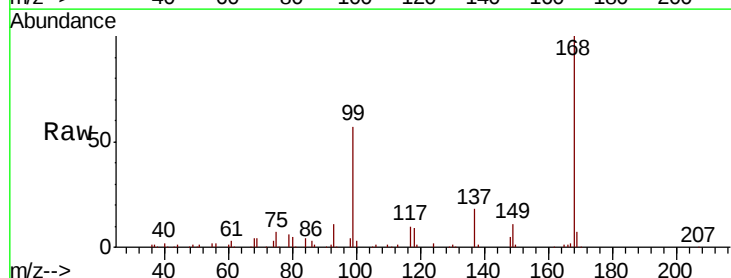
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

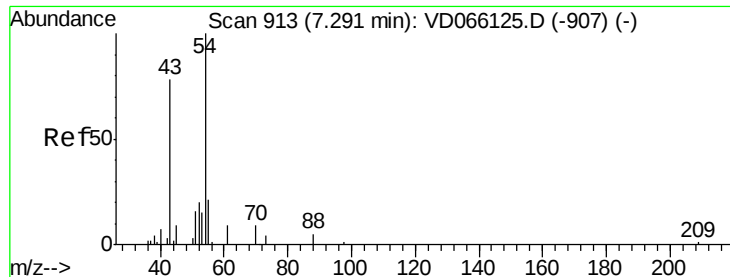
Tot Ion:113 Resp: 106266
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 23.1 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 7.597 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066304.D
 Acq: 19 Aug 2020 05:23

Tgt Ion: 75 Resp: 15180
 Ion Ratio Lower Upper
 75 100
 110 11.7 18.8 56.3#
 77 0.0 24.2 36.2#

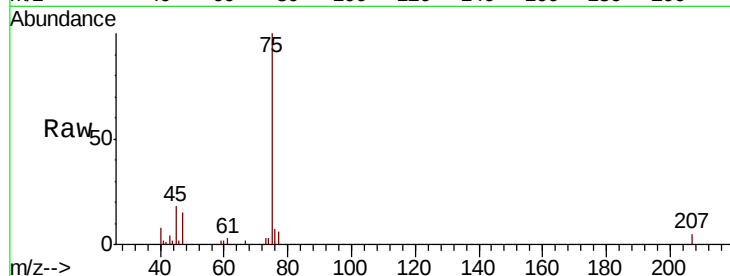




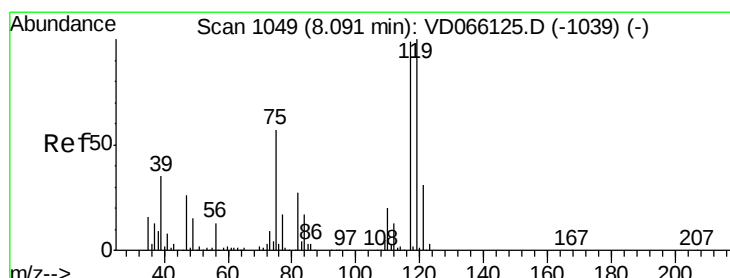
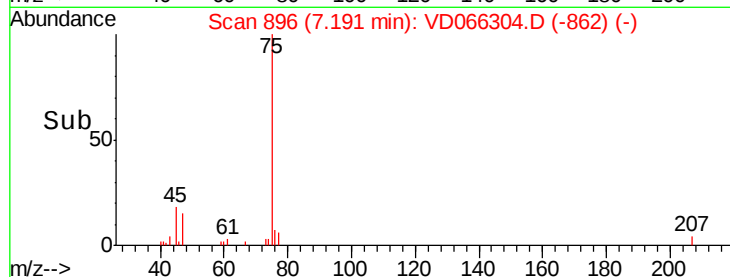
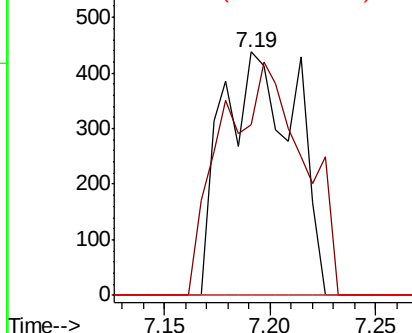
#37
Ethyl Acetate
Concen: 1.333 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.10 min
Lab File: VD066304.D
Acq: 19 Aug 2020 05:23

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
61 106.4 12.0 18.0#
70 0.0 9.7 14.5#

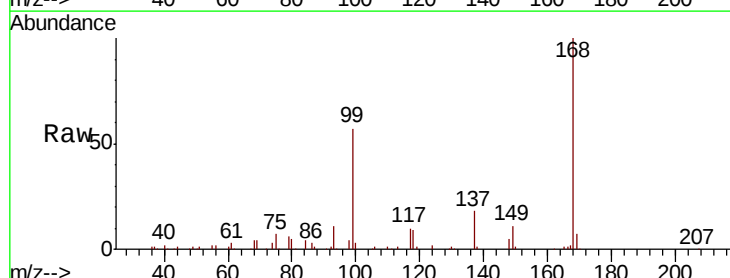


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

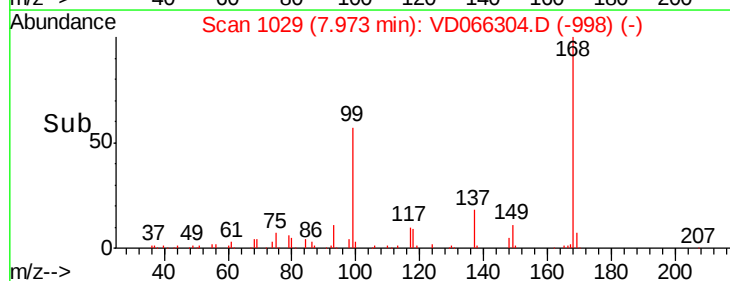
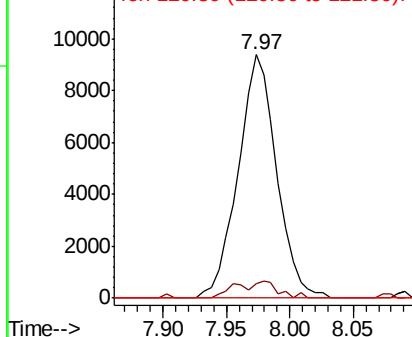


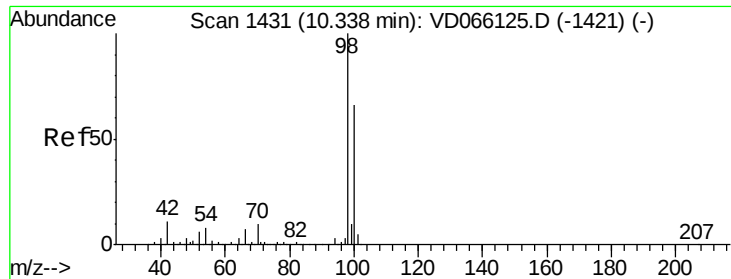
#38
Carbon Tetrachloride
Concen: 8.874 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066304.D
Acq: 19 Aug 2020 05:23

Tgt Ion: 117 Resp: 19774
Ion Ratio Lower Upper
117 100
119 6.2 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

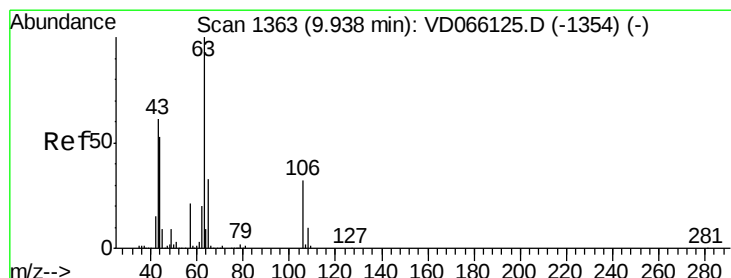
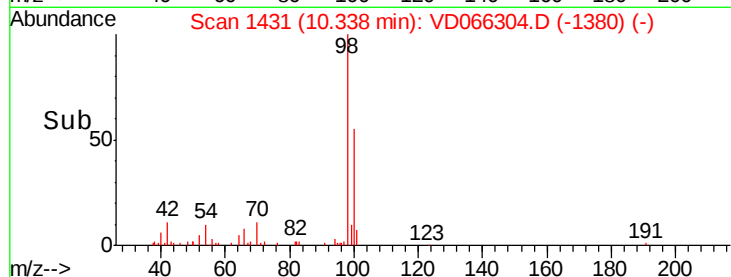
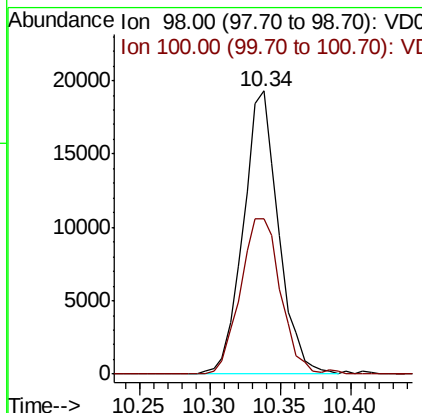
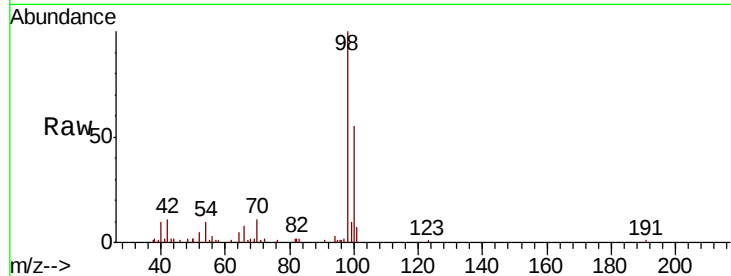




#50
Toluene-d8
Concen: 6.775 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066304.D
Acq: 19 Aug 2020 05:23

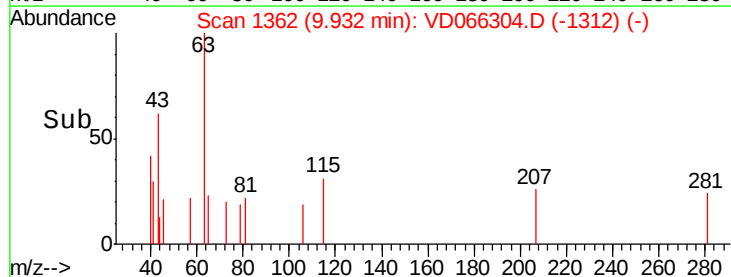
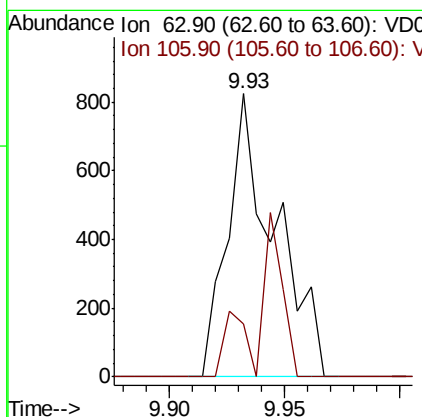
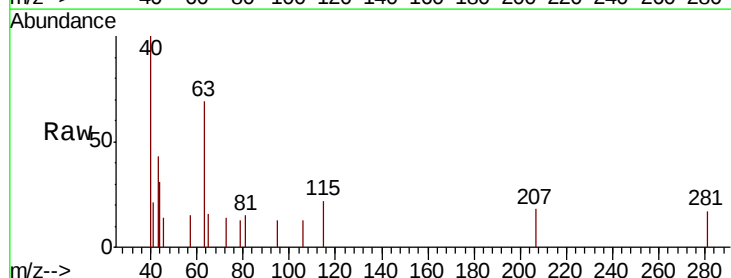
Instrument :
MSVOA_D
ClientSampled :
TP-4

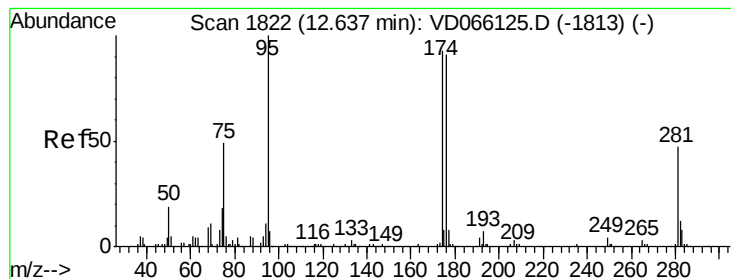
Tot Ion: 98 Resp: 33680
Ion Ratio Lower Upper
98 100
100 62.9 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 2.029 ug/l
RT: 9.93 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VD066304.D
Acq: 19 Aug 2020 05:23

Tgt Ion: 63 Resp: 1179
Ion Ratio Lower Upper
63 100
106 32.3 25.3 37.9





#62

4-Bromofluorobenzene

Concen: 75.767 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampled :

TP-4

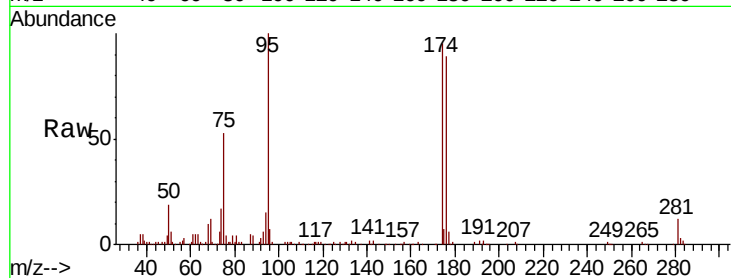
Tot Ion: 95 Resp: 135765

Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.8

176 88.5 0.0 181.2

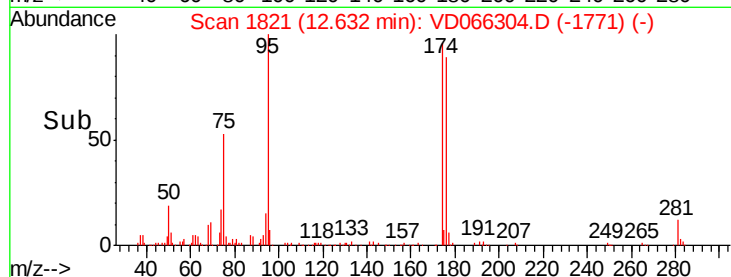


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

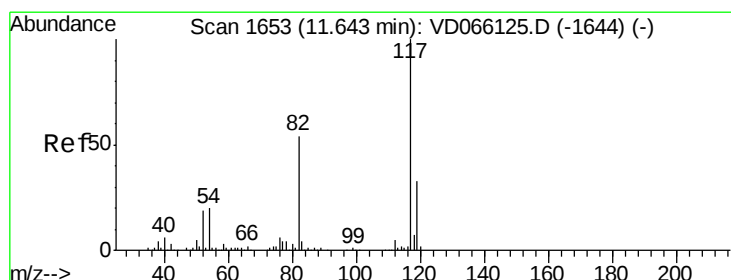
Ion 175.80 (175.50 to 176.50): V

Time-->



12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

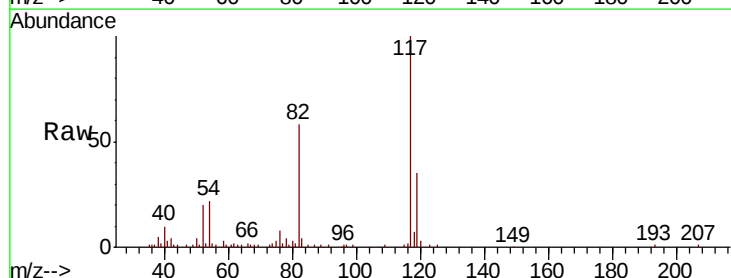
Tgt Ion: 117 Resp: 67893

Ion Ratio Lower Upper

117 100

82 57.3 43.0 64.4

119 34.8 26.1 39.1

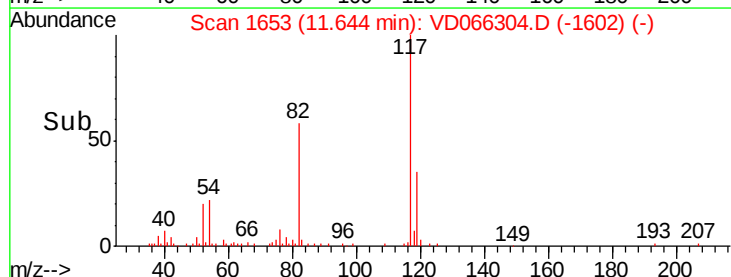


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

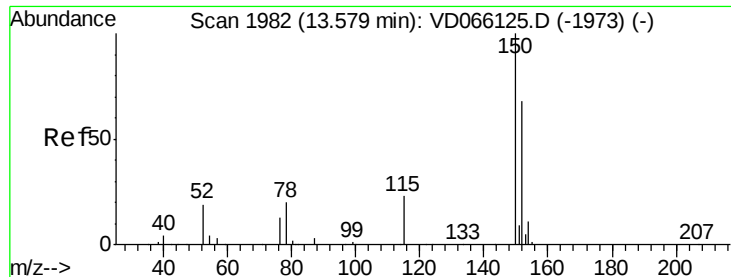
Ion 118.90 (118.60 to 119.60): V

Time-->



11.64

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampled :

TP-4

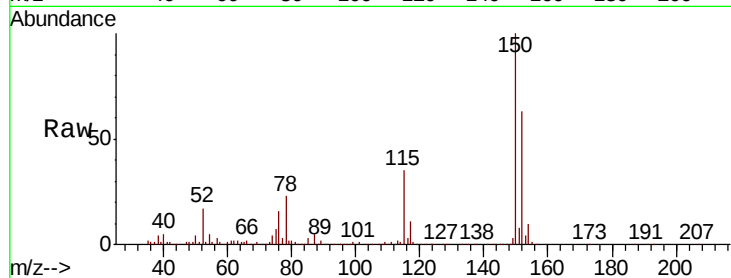
Tot Ion:152 Resp: 158997

Ion Ratio Lower Upper

152 100

115 57.6 28.0 83.9

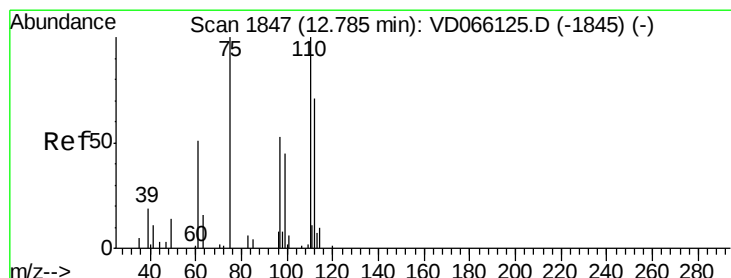
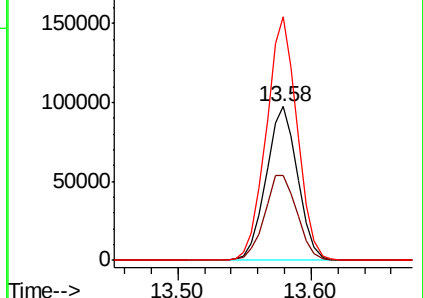
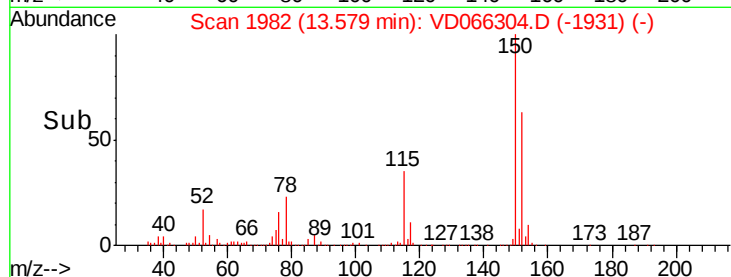
150 155.7 0.0 346.4



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: 52.246 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066304.D

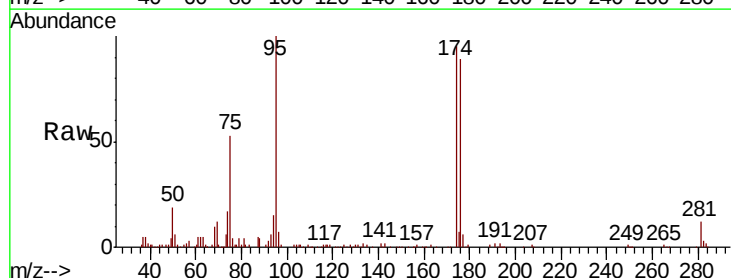
Acq: 19 Aug 2020 05:23

Tgt Ion: 75 Resp: 69274

Ion Ratio Lower Upper

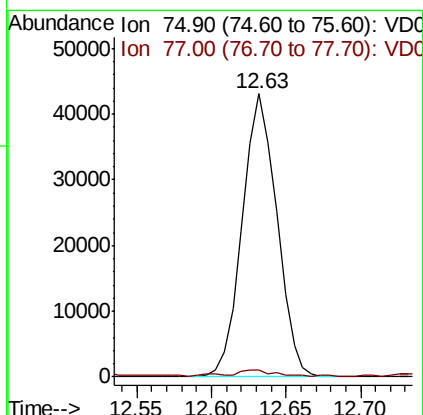
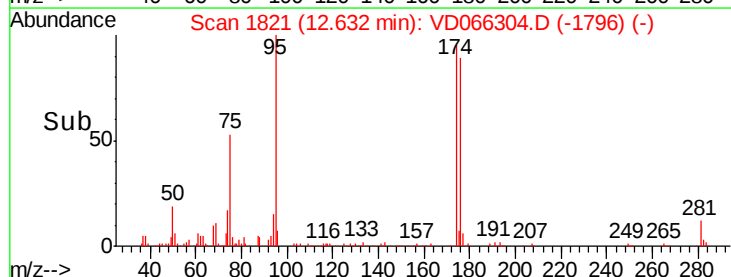
75 100

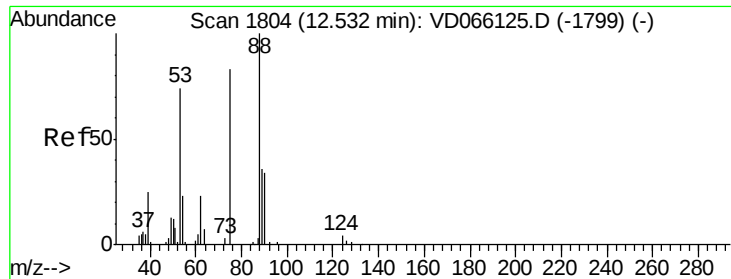
77 2.6 0.0 0.0#



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: 115.493 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066304.D

Acq: 19 Aug 2020 05:23

Instrument :

MSVOA_D

ClientSampleId :

TP-4

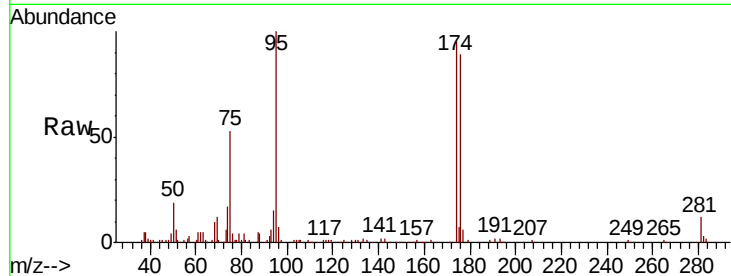
Tot Ion: 75 Resp: 69274

Ion Ratio Lower Upper

75 100

53 0.6 73.4 110.2#

89 0.0 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

