

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
 Data File : VD066278.D
 Acq On : 18 Aug 2020 15:20
 Operator : VA/SY
 Sample : L3659-07RE
 Misc : 5.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-3

Quant Time: Aug 18 16:06:10 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	235032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	368584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	341339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155175	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	120107	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	
35) Dibromofluoromethane	7.91	113	117360	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.34	98	382216	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	
62) 4-Bromofluorobenzene	12.63	95	131228	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	

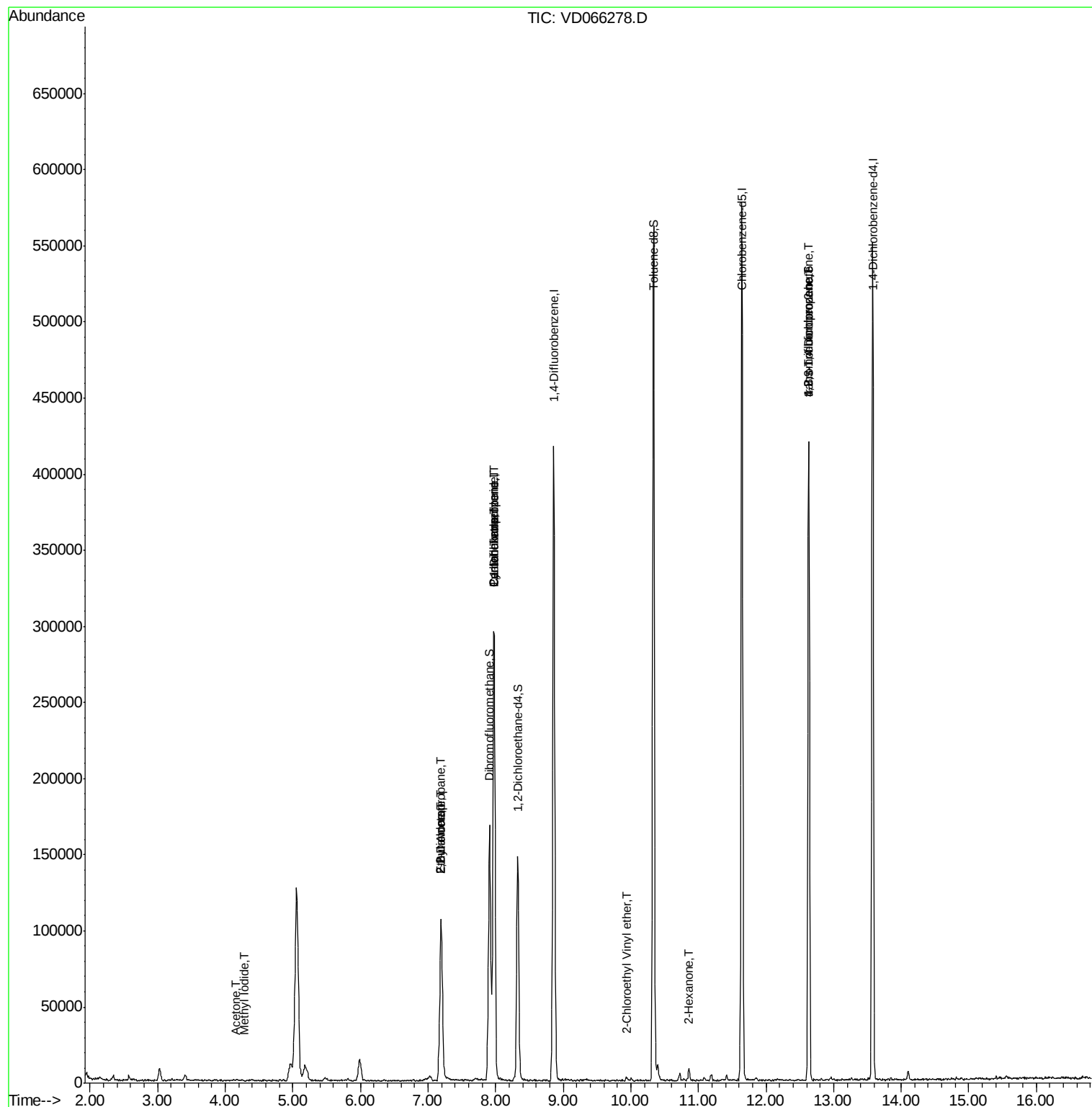
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	56	6.735	ug/l #	39
16) Acetone	4.15	43	1412	3.549	ug/l #	44
20) Methylene Chloride	4.96	84	8672	Below Cal	#	76
25) 2-Butanone	7.20	43	5191	8.871	ug/l #	82
26) 2,2-Dichloropropane	7.20	77	7032	2.033	ug/l #	52
31) Cyclohexane	7.97	56	4591	1.250	ug/l #	7
36) 1,1-Dichloropropene	7.97	75	17166	4.956	ug/l #	50
37) Ethyl Acetate	7.20	43	5191	3.783	ug/l #	1
38) Carbon Tetrachloride	7.98	117	23104	5.982	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.94	63	1125	1.117	ug/l #	64
59) 2-Hexanone	10.86	43	2830	2.903	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	67007	51.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	67007	114.465	ug/l #	13

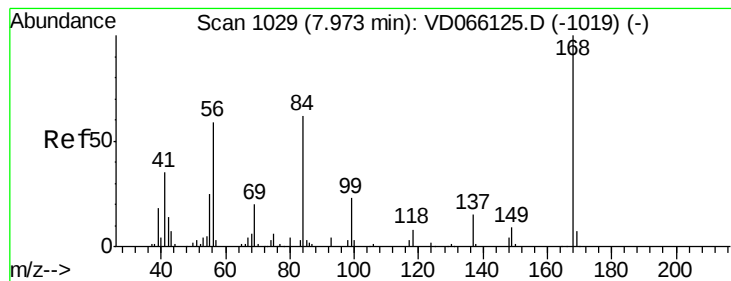
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

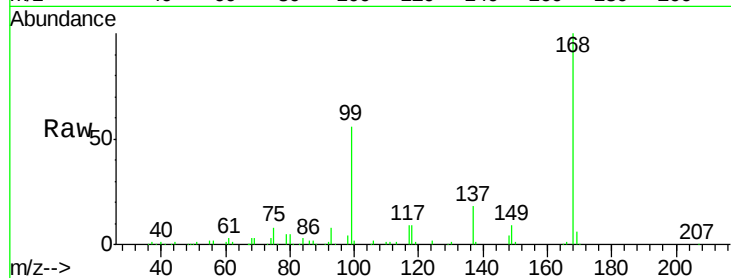
SP1-3

Tgt Ion:168 Resp: 235032

Ion Ratio Lower Upper

168 100

99 56.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

100000

80000

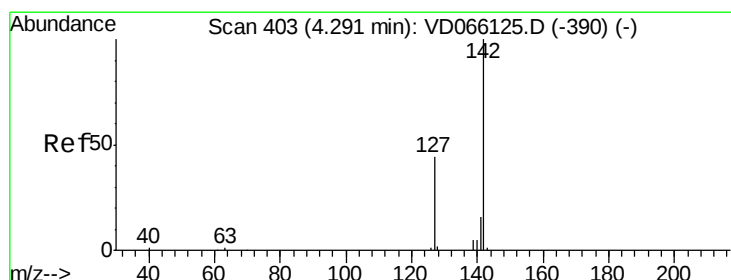
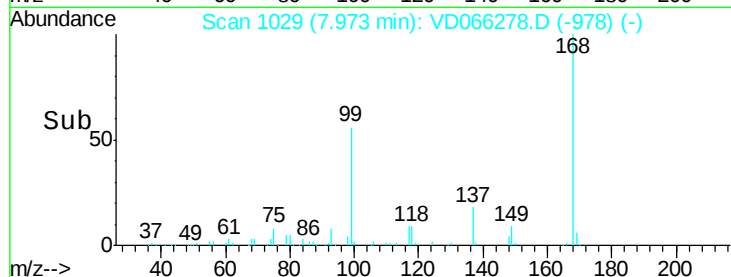
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.735 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

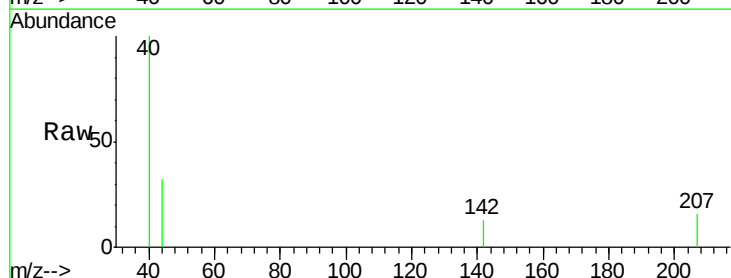
Tgt Ion:142 Resp: 56

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

4.29

200

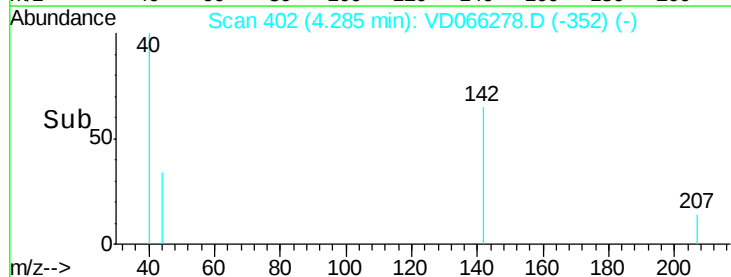
150

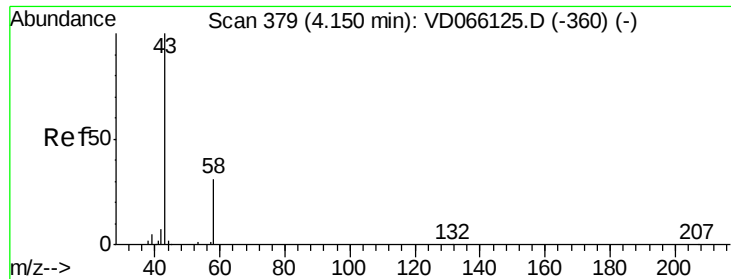
100

50

0

Time-->





#16

Acetone

Concen: 3.549 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

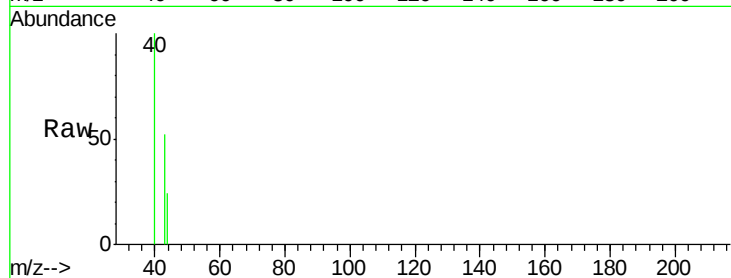
SP1-3

Tgt Ion: 43 Resp: 1412

Ion Ratio Lower Upper

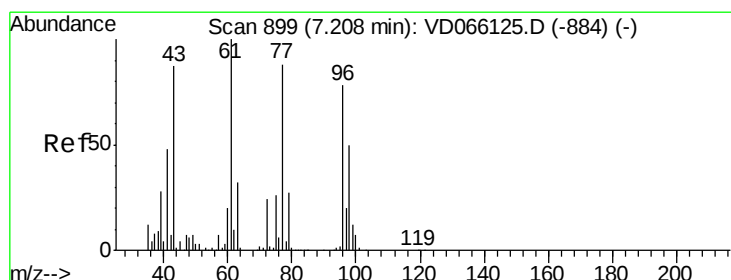
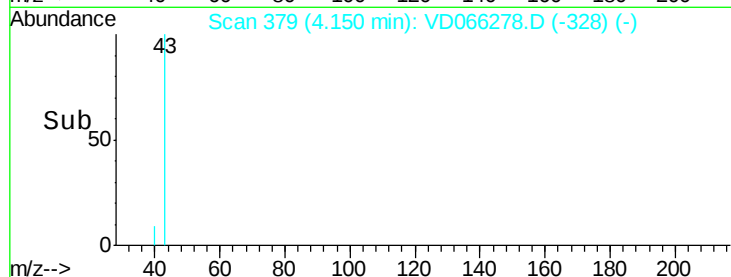
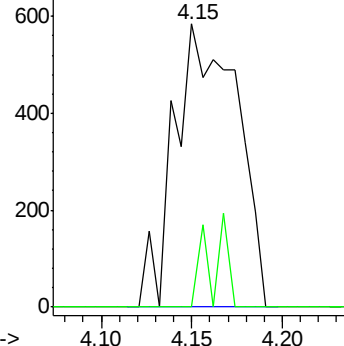
43 100

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



#25

2-Butanone

Concen: 8.871 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066278.D

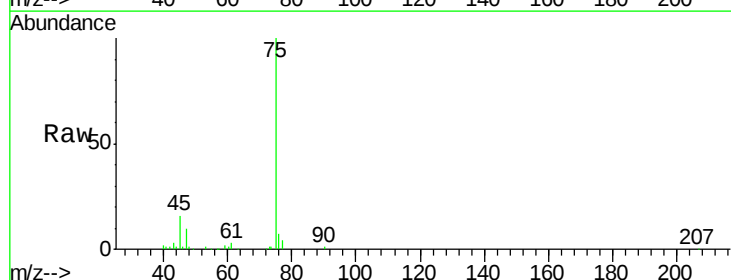
Acq: 18 Aug 2020 15:20

Tgt Ion: 43 Resp: 5191

Ion Ratio Lower Upper

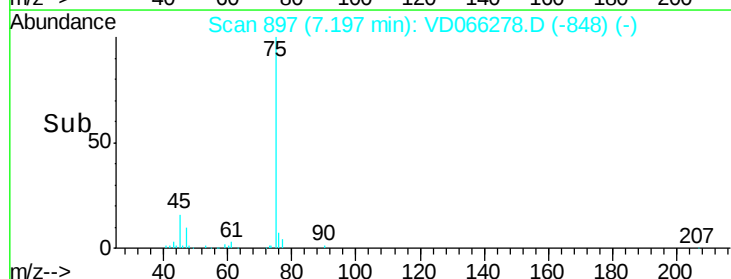
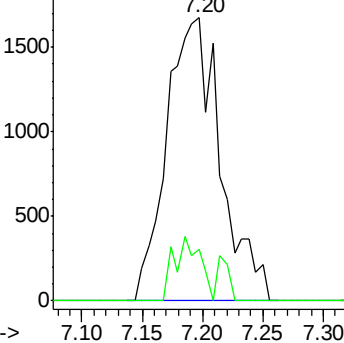
43 100

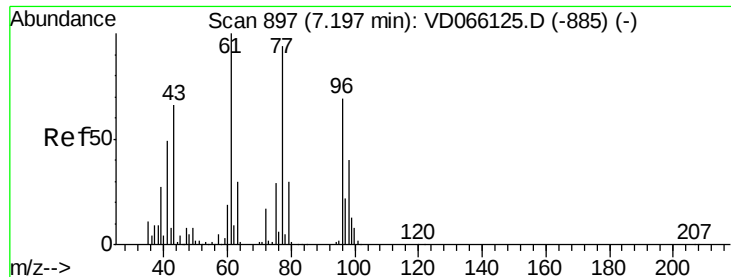
72 18.2 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 2.033 ug/l

RT: 7.20 min Scan# 897

Delta R.T. 0.00 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampled :

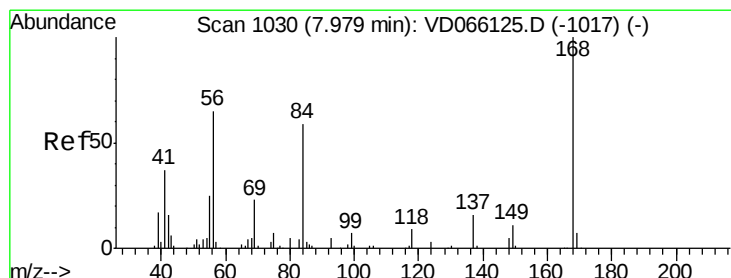
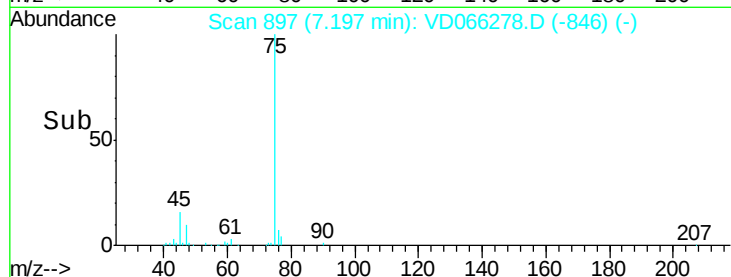
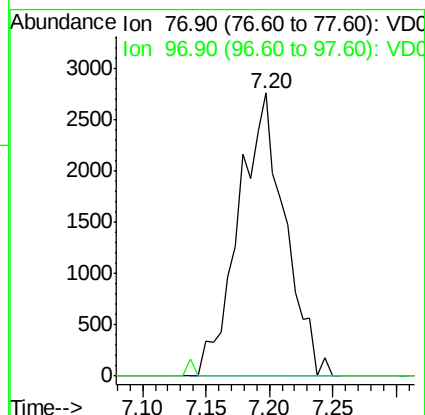
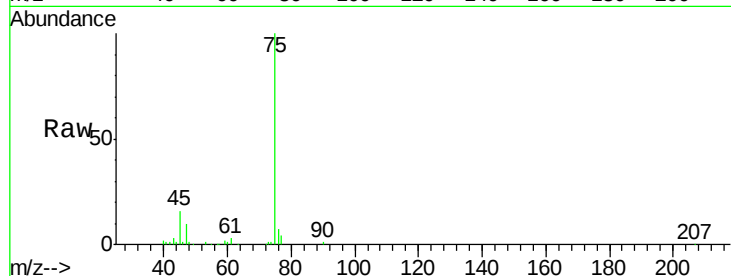
SP1-3

Tgt Ion: 77 Resp: 7032

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

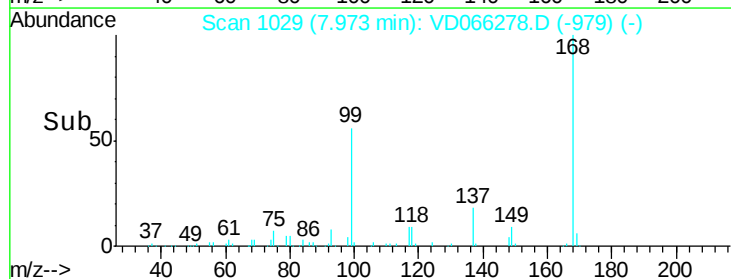
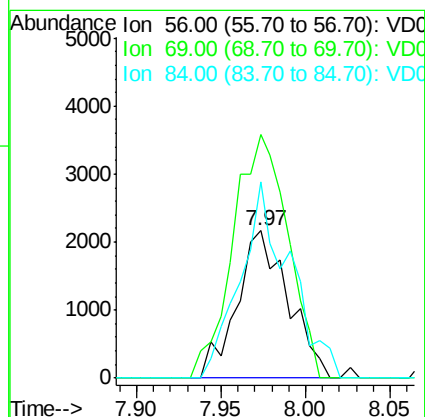
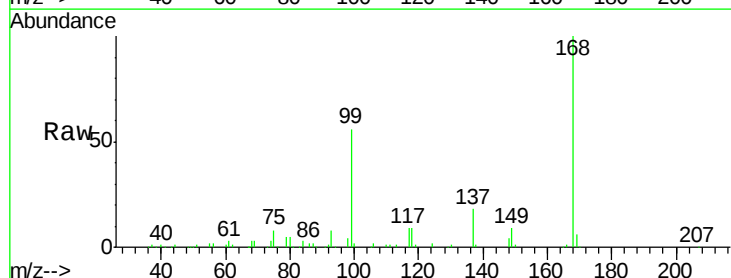
Tgt Ion: 56 Resp: 4591

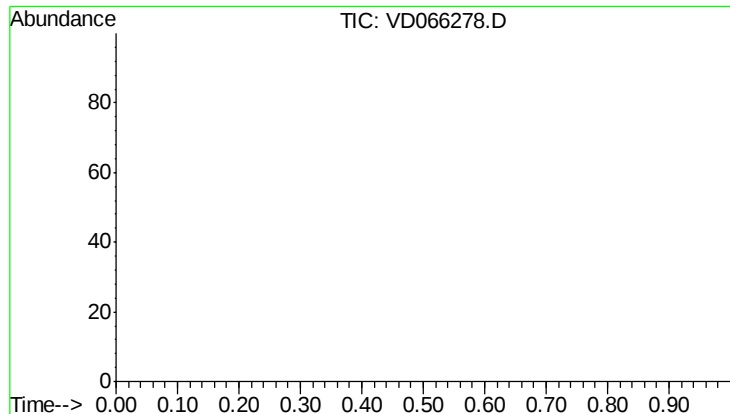
Ion Ratio Lower Upper

56 100

69 165.0 28.8 43.2#

84 132.6 73.0 109.6#

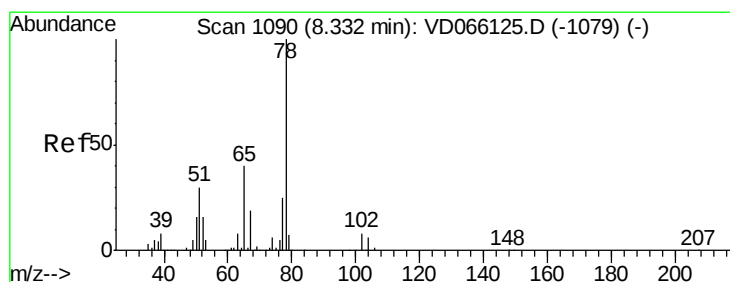
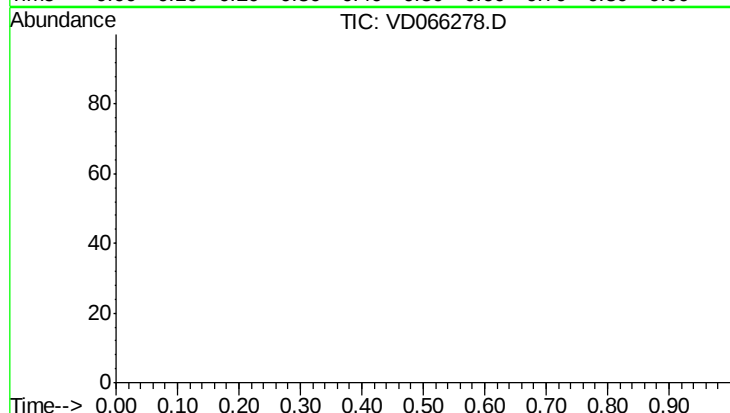




#32

Concen: 0.000
 Expected RT: 0.00 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20
 Tgt Ion: TIC

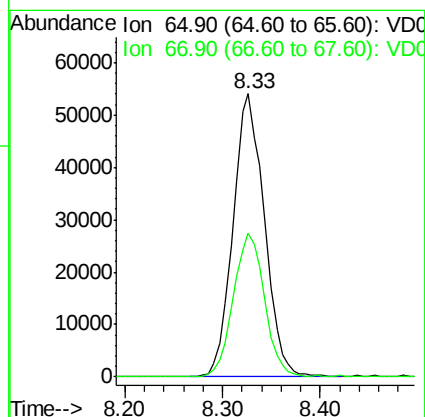
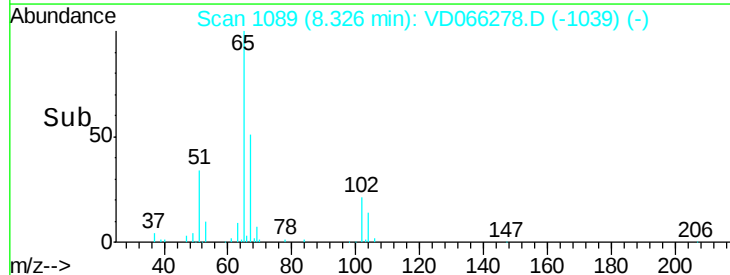
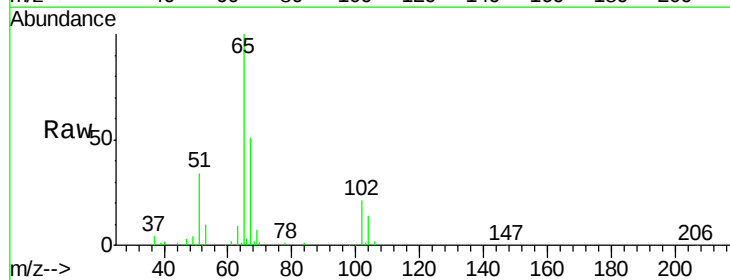
Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-3

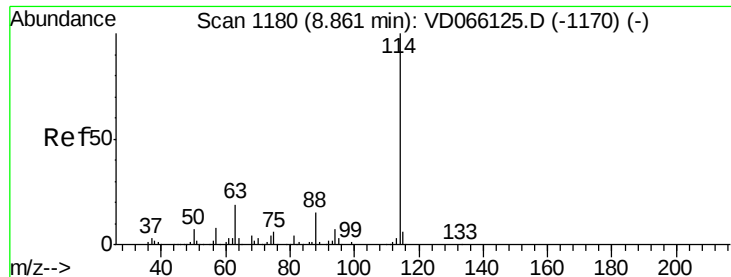


#33

1,2-Dichloroethane-d4
 Concen: 57.280 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20

Tgt Ion: 65 Resp: 120107
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 104.6

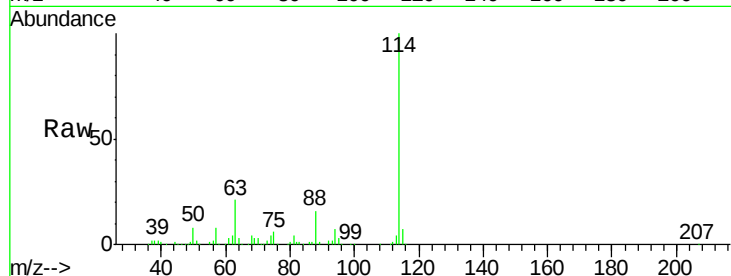




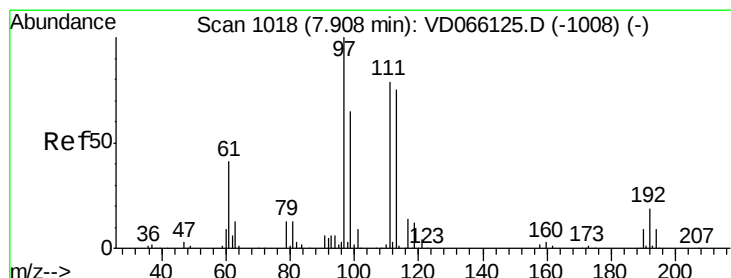
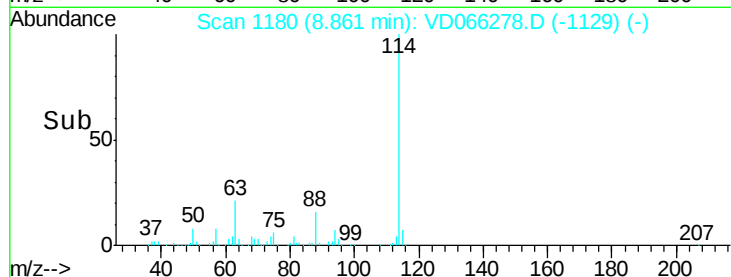
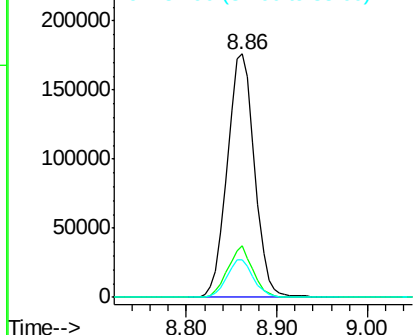
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-3

Tgt Ion:114 Resp: 368584
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.6
 88 15.5 0.0 30.0

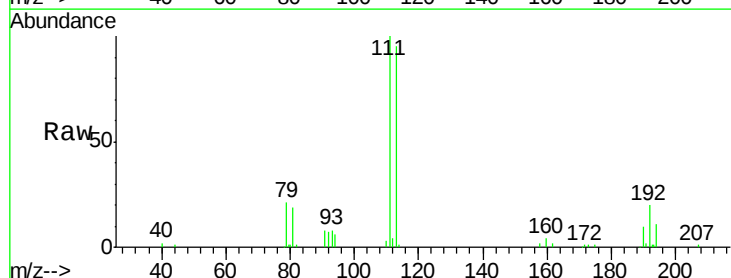


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

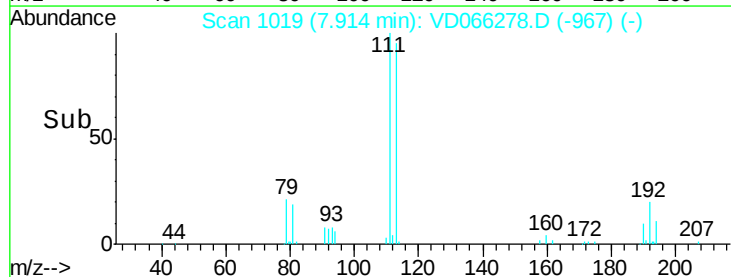
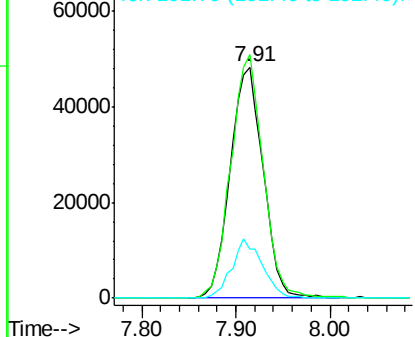


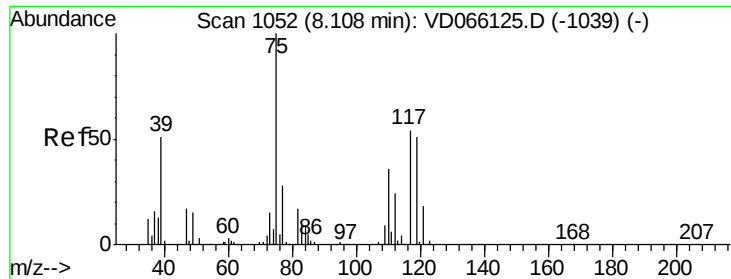
#35
 Dibromofluoromethane
 Concen: 50.262 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20

Tgt Ion:113 Resp: 117360
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.7 121.1
 192 23.6 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

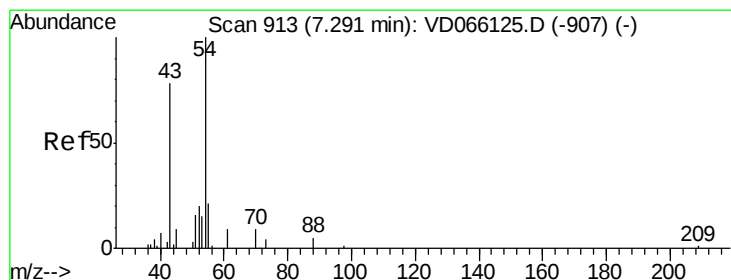
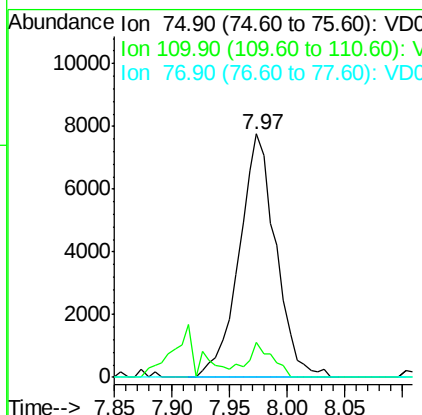
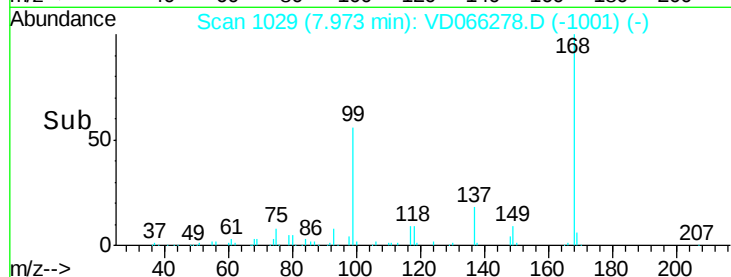
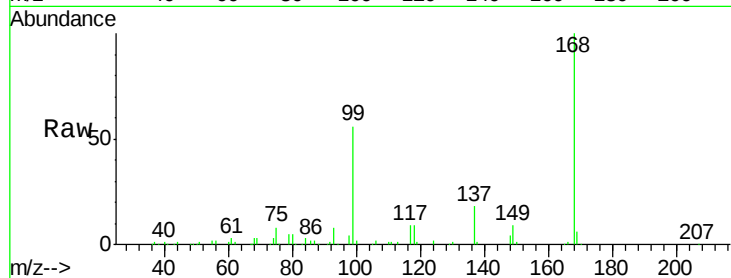




#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20

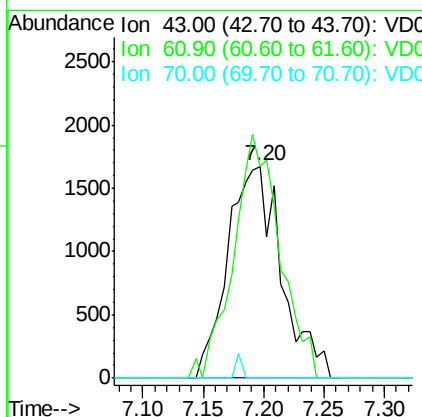
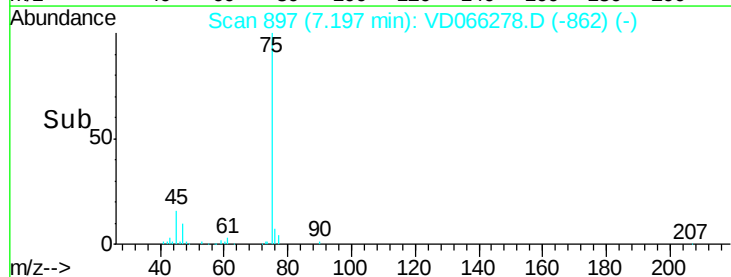
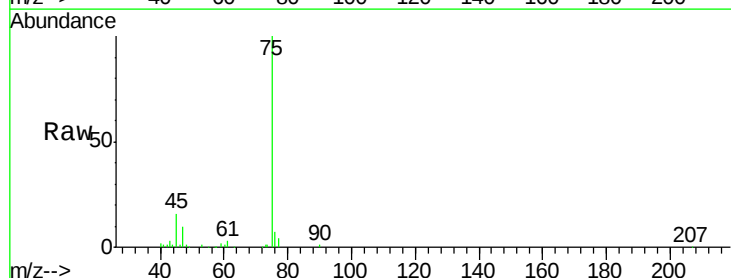
Instrument :
 MSVOA_D
 ClientSampleID :
 SP1-3

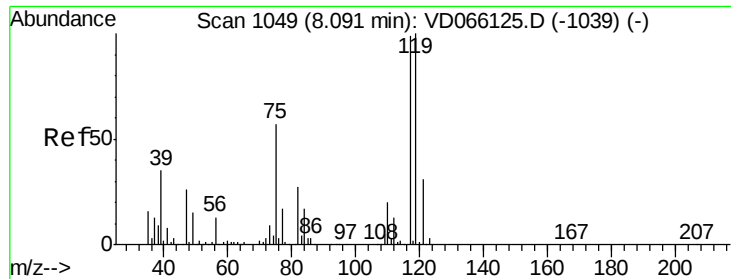
Tgt Ion: 75 Resp: 17166
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.8 56.3#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 3.783 ug/l
 RT: 7.20 min Scan# 897
 Delta R.T. -0.09 min
 Lab File: VD066278.D
 Acq: 18 Aug 2020 15:20

Tgt Ion: 43 Resp: 5191
 Ion Ratio Lower Upper
 43 100
 61 99.1 12.0 18.0#
 70 1.3 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 5.982 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

SP1-3

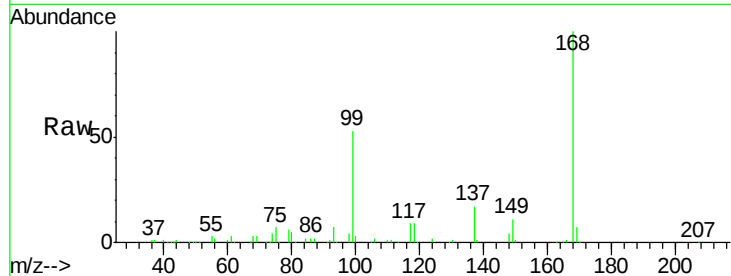
Tgt Ion: 117 Resp: 23104

Ion Ratio Lower Upper

117 100

119 4.8 81.0 121.4#

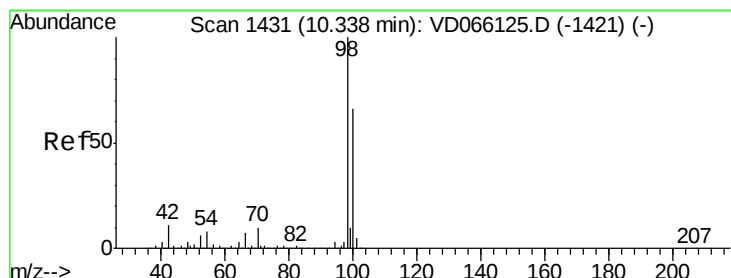
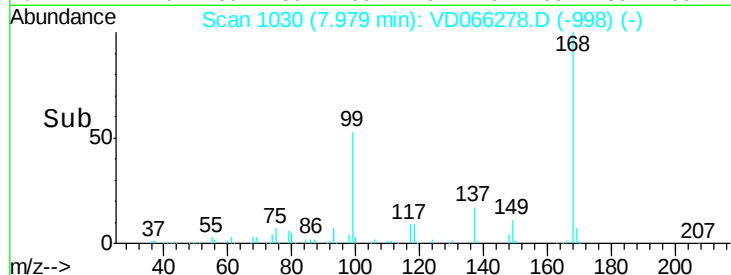
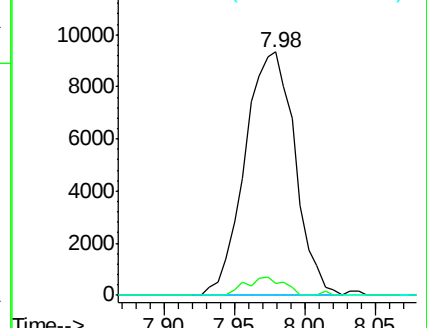
121 0.0 24.8 37.2#



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: 44.359 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066278.D

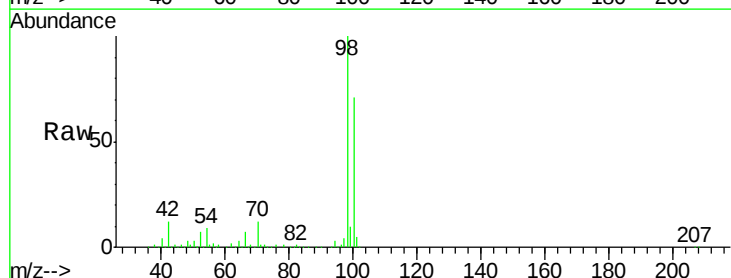
Acq: 18 Aug 2020 15:20

Tgt Ion: 98 Resp: 382216

Ion Ratio Lower Upper

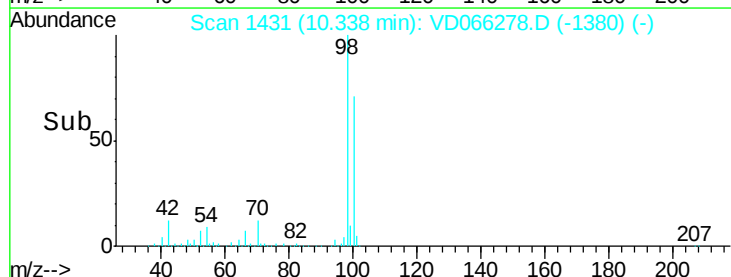
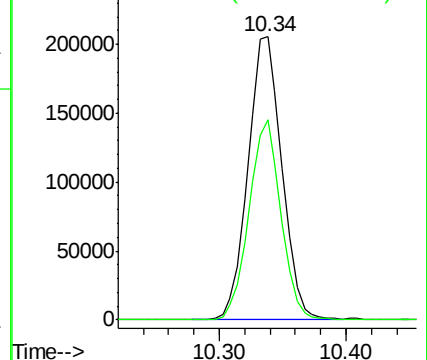
98 100

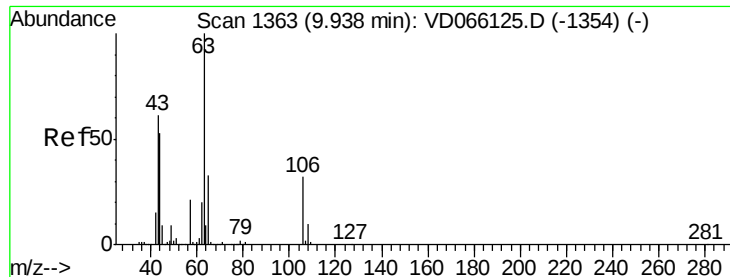
100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 1.117 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampled :

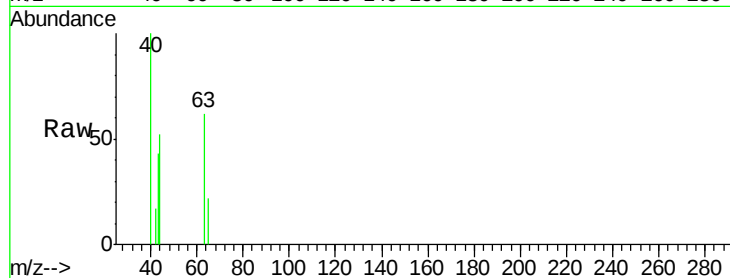
SP1-3

Tgt Ion: 63 Resp: 1125

Ion Ratio Lower Upper

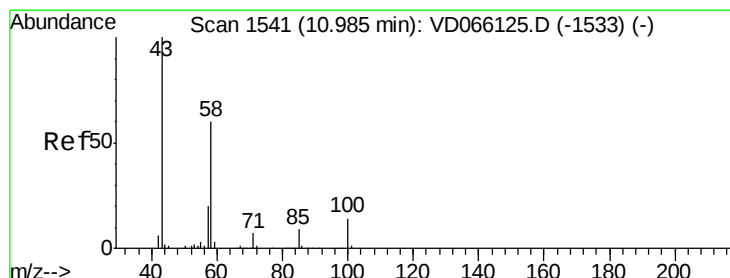
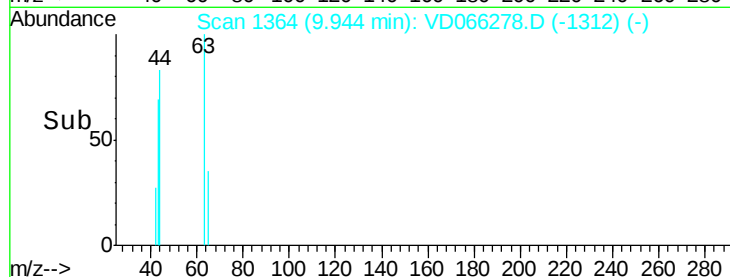
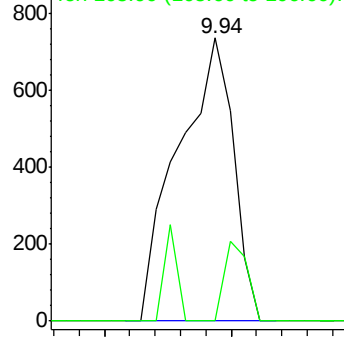
63 100

106 11.8 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC



#59

2-Hexanone

Concen: 2.903 ug/l

RT: 10.86 min Scan# 1519

Delta R.T. -0.13 min

Lab File: VD066278.D

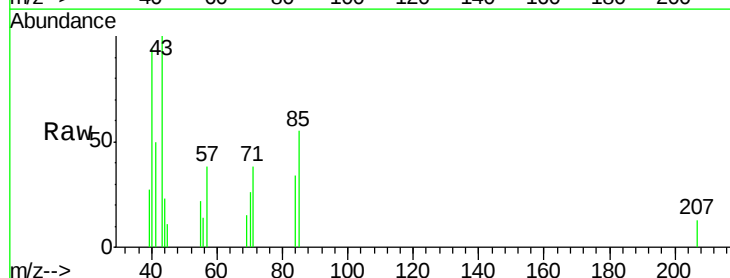
Acq: 18 Aug 2020 15:20

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

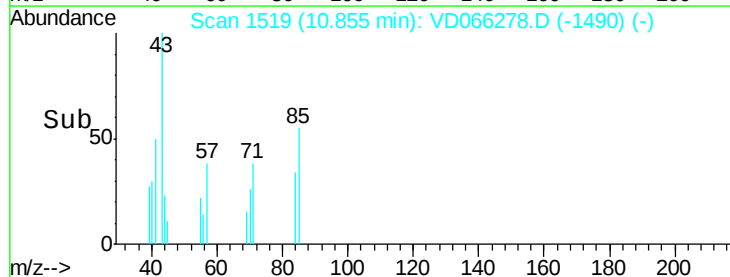
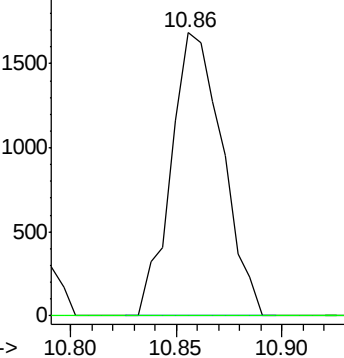
43 100

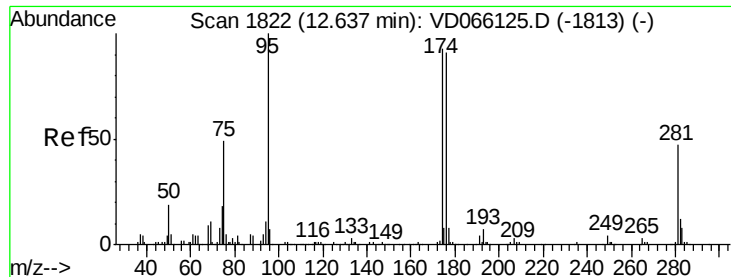
58 0.0 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

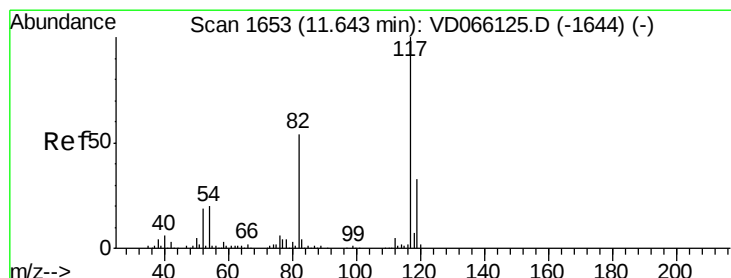
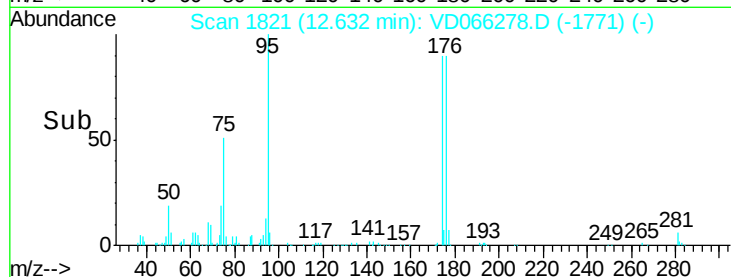
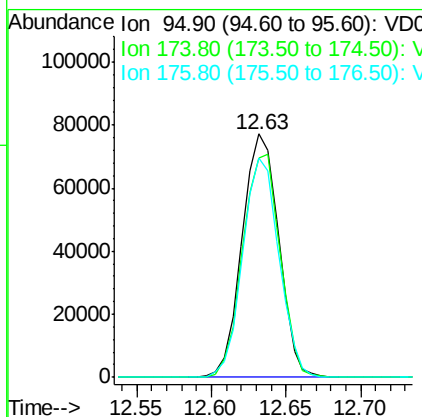
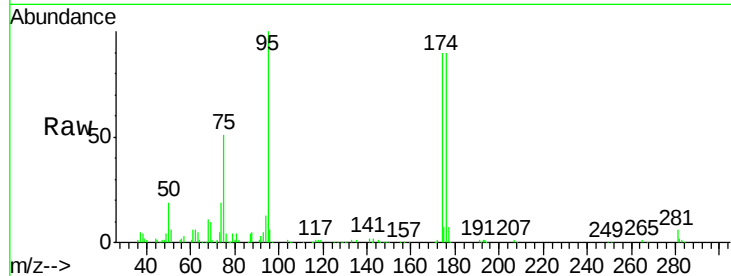




#62
4-Bromofluorobenzene
Concen: 42.251 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066278.D
Acq: 18 Aug 2020 15:20

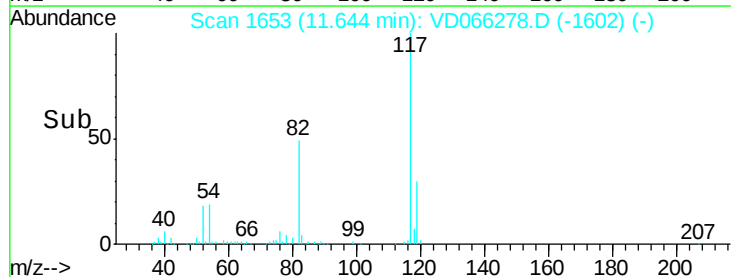
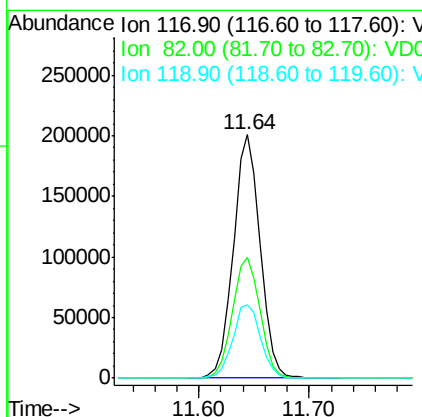
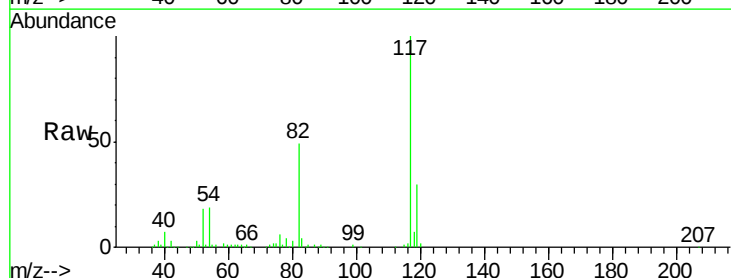
Instrument :
MSVOA_D
ClientSampleId :
SP1-3

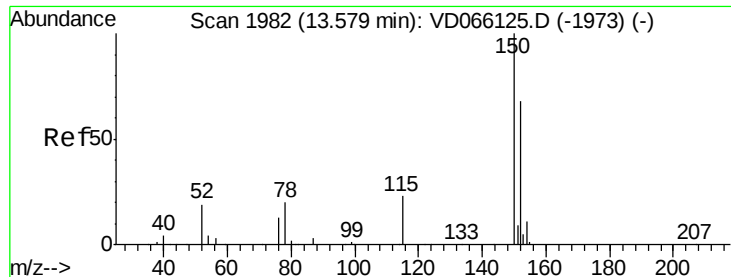
Tgt Ion: 95 Resp: 131228
Ion Ratio Lower Upper
95 100
174 93.0 0.0 180.8
176 88.9 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066278.D
Acq: 18 Aug 2020 15:20

Tgt Ion: 117 Resp: 341339
Ion Ratio Lower Upper
117 100
82 49.3 43.0 64.4
119 30.4 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: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

SP1-3

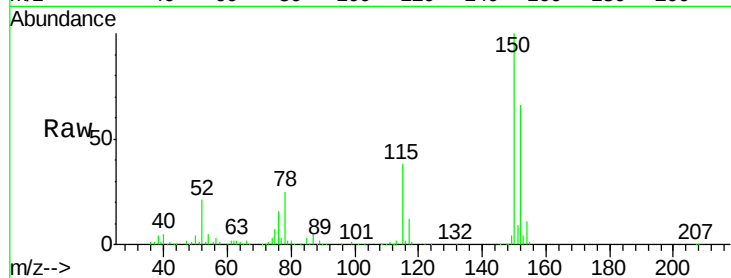
Tgt Ion:152 Resp: 155175

Ion Ratio Lower Upper

152 100

115 56.7 28.0 83.9

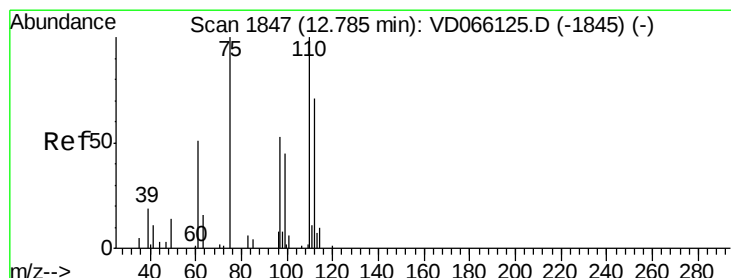
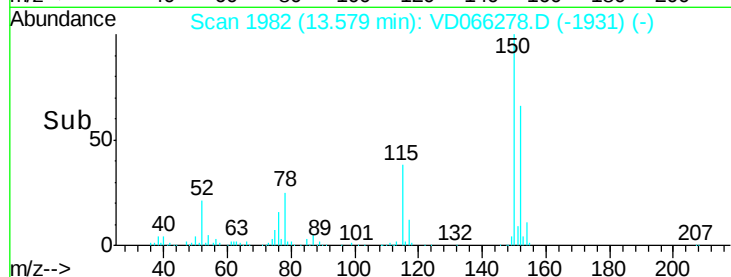
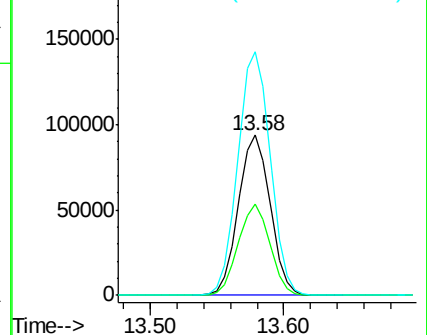
150 154.8 0.0 346.4



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: 51.781 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066278.D

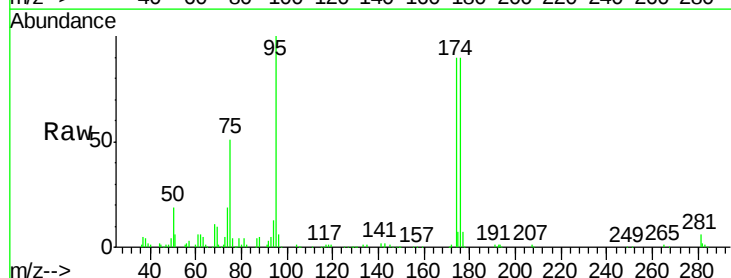
Acq: 18 Aug 2020 15:20

Tgt Ion: 75 Resp: 67007

Ion Ratio Lower Upper

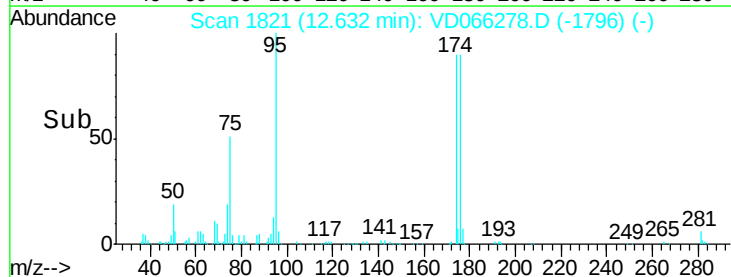
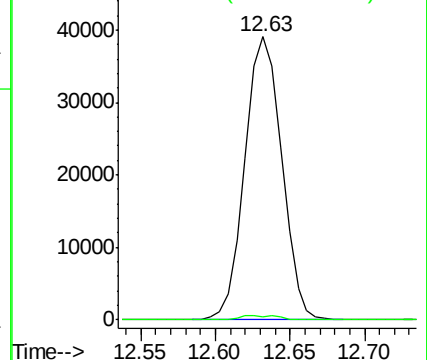
75 100

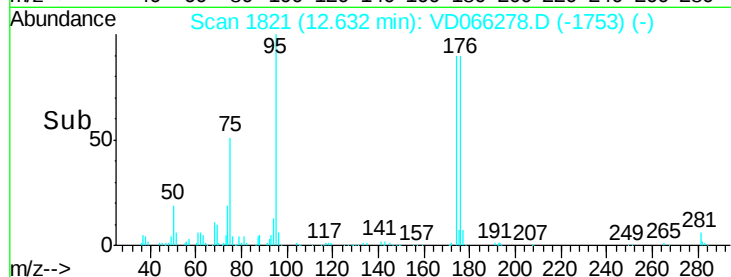
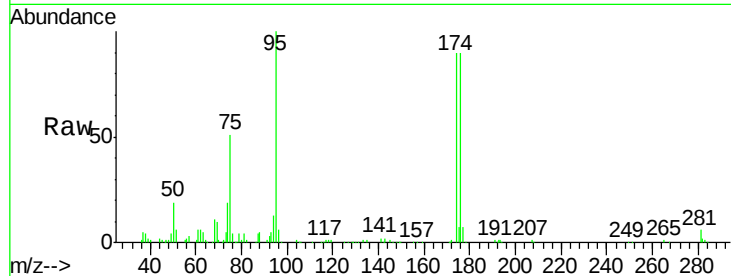
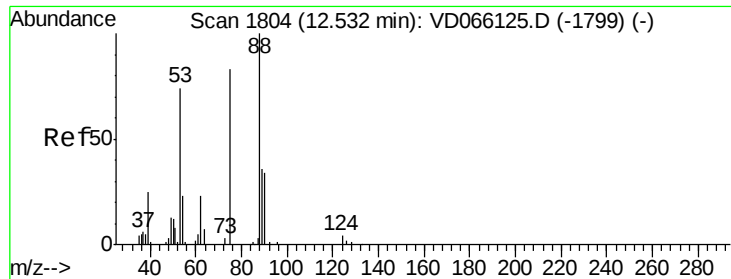
77 1.5 0.0 0.0#



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: 114.465 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066278.D

Acq: 18 Aug 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

SP1-3

Tgt Ion: 75 Resp: 67007

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#

