

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066213.D
 Acq On : 13 Aug 2020 16:33
 Operator : VA/SY
 Sample : L3671-04
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-148-150

Quant Time: Aug 14 03:02:56 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	223037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	344126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	324055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159867	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	103376	51.95	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.91	113	103429	47.44	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.34	98	360211	44.78	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.63	95	139250	48.02	ug/l	0.00
Spiked Amount						

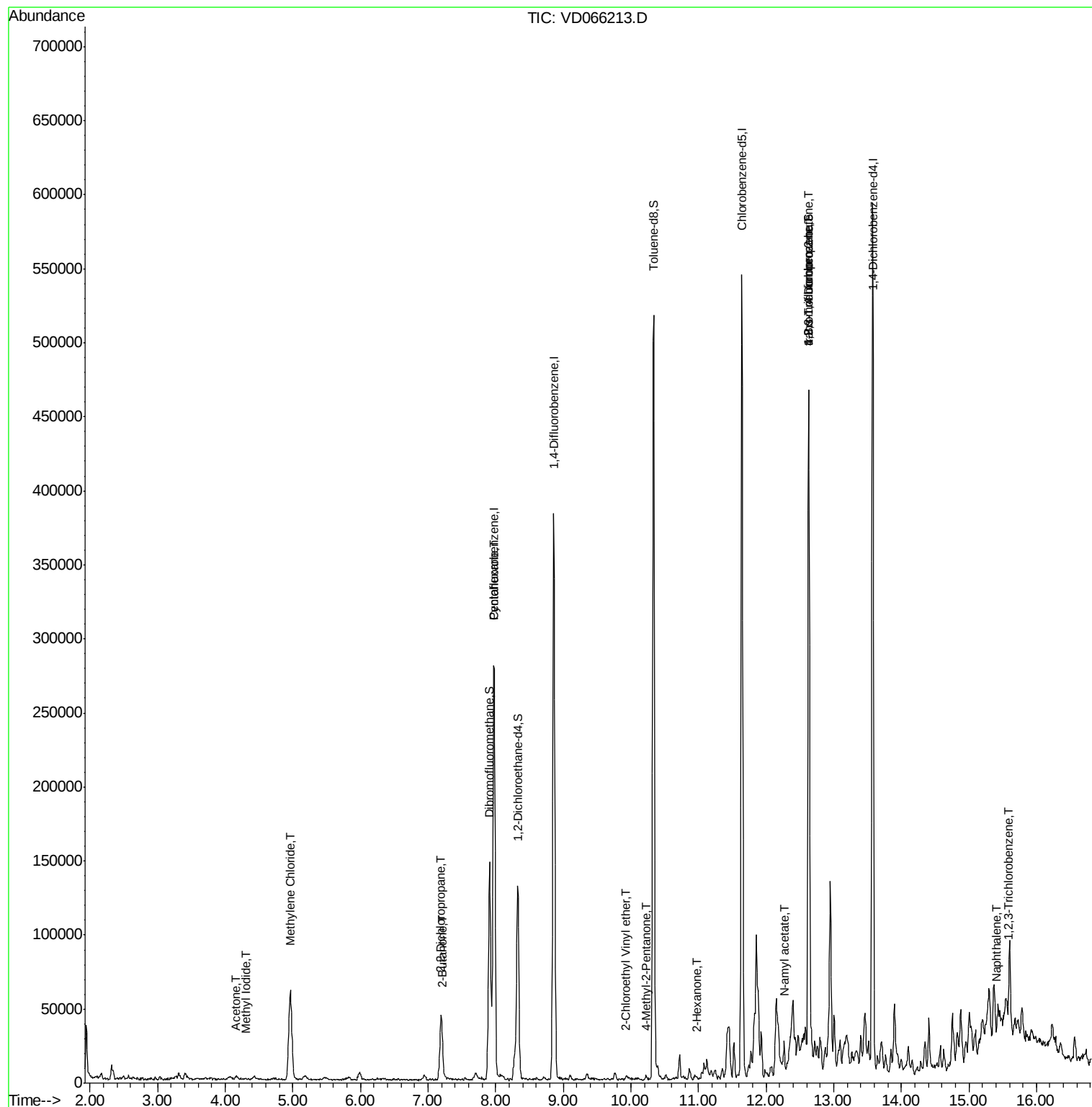
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	924	7.131	ug/l #	72
11) Tert butyl alcohol	5.17	59	1867	Below Cal	#	76
16) Acetone	4.16	43	4266	11.299	ug/l	99
20) Methylene Chloride	4.97	84	47098	18.812	ug/l	95
25) 2-Butanone	7.21	43	3552	6.396	ug/l #	86
26) 2,2-Dichloropropane	7.18	77	3613	1.101	ug/l #	52
31) Cyclohexane	7.97	56	4979	1.428	ug/l #	5
51) 4-Methyl-2-Pentanone	10.23	43	1924	1.484	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.93	63	1630	1.733	ug/l #	80
59) 2-Hexanone	10.97	43	1205	1.324	ug/l	81
74) N-amyl acetate	12.27	43	4074	1.734	ug/l #	66
76) 1,2,3-Trichloropropane	12.63	75	68929	51.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	68929	114.292	ug/l #	13
95) Naphthalene	15.41	128	6410	1.169	ug/l	98
96) 1,2,3-Trichlorobenzene	15.58	180	3911	1.317	ug/l #	59

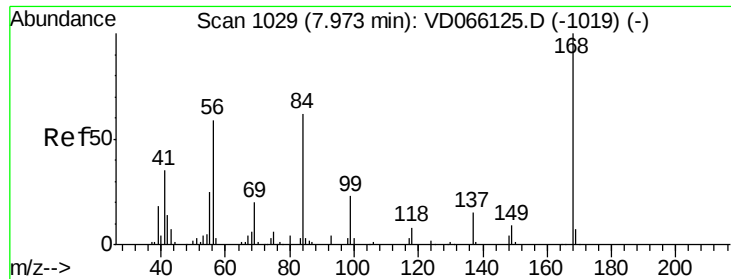
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081320\
Data File : VD066213.D
Acq On : 13 Aug 2020 16:33
Operator : VA/SY
Sample : L3671-04
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-148-150

Quant Time: Aug 14 03:02:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

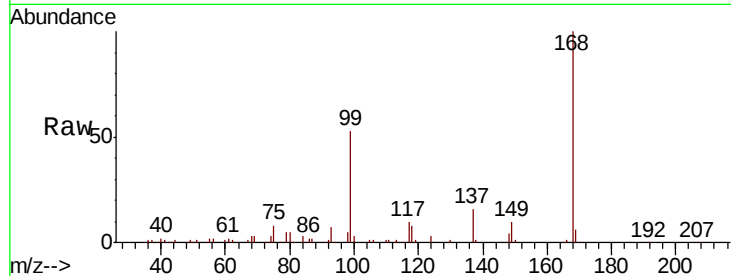
BP-VPB181-GW-148-150

Tot Ion:168 Resp: 223037

Ion Ratio Lower Upper

168 100

99 53.0 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

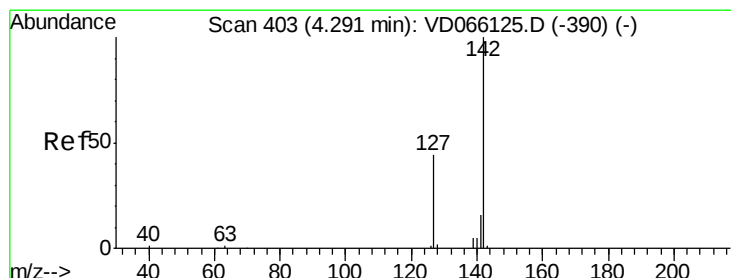
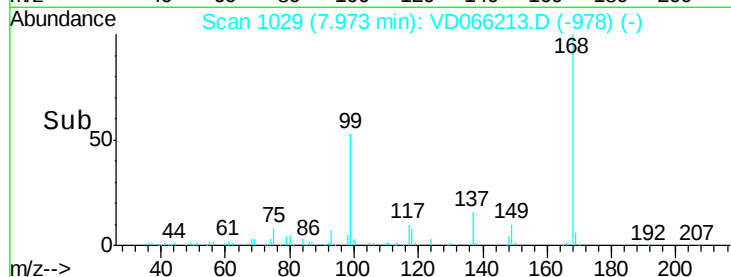
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#10

Methyl Iodide

Concen: 7.131 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

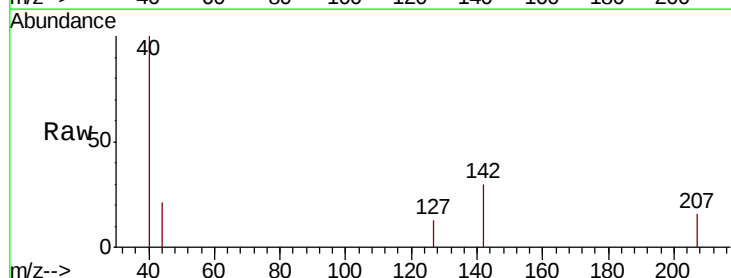
Tgt Ion:142 Resp: 924

Ion Ratio Lower Upper

142 100

127 29.3 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

4.31

600

500

400

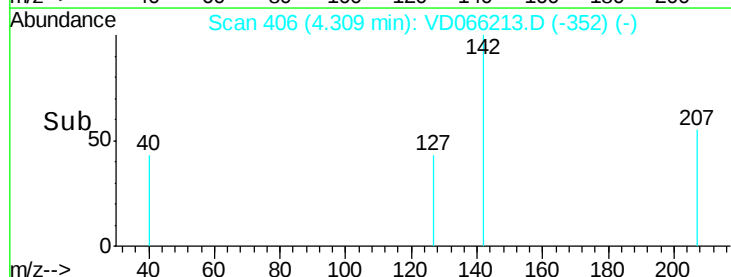
300

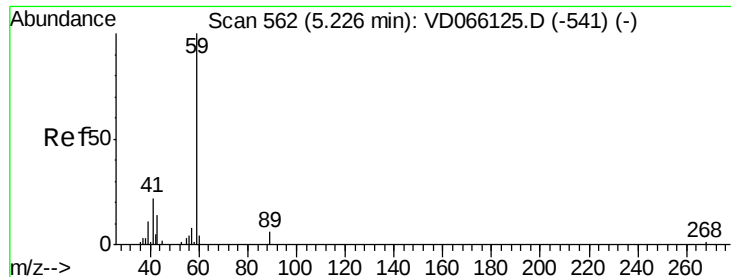
200

100

0

Time--> 4.25 4.30 4.35



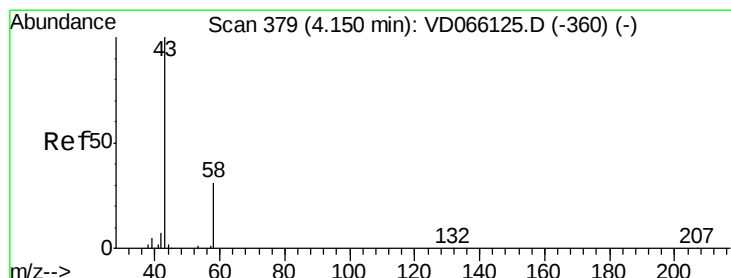
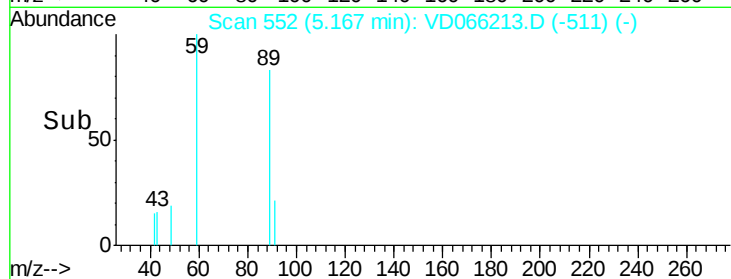
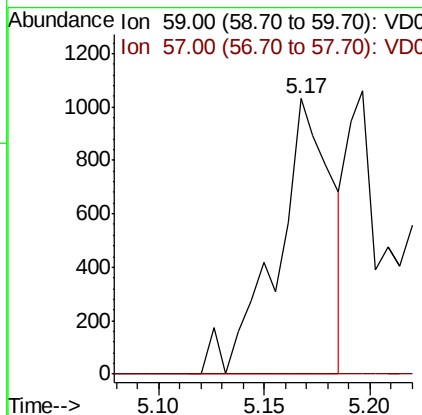
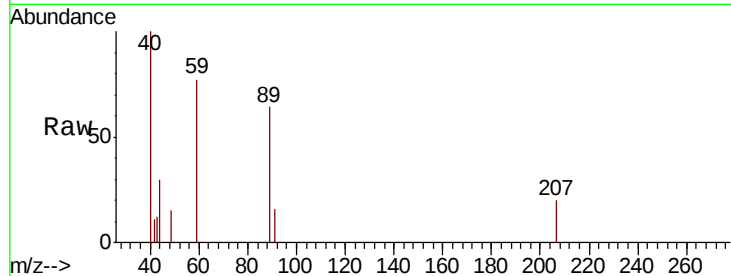


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 552
 Delta R.T. -0.06 min
 Lab File: VD066213.D
 Acq: 13 Aug 2020 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-148-150

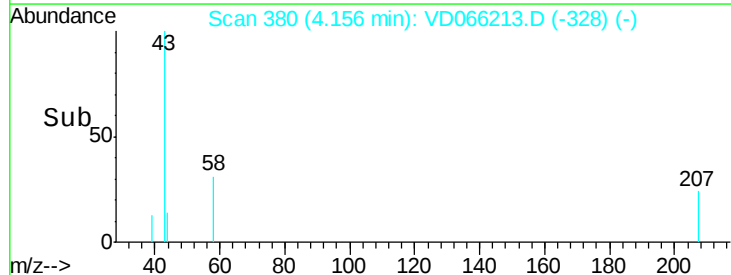
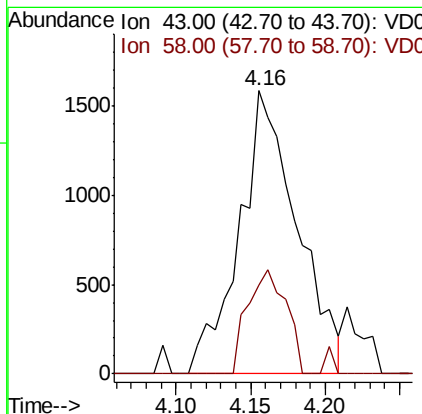
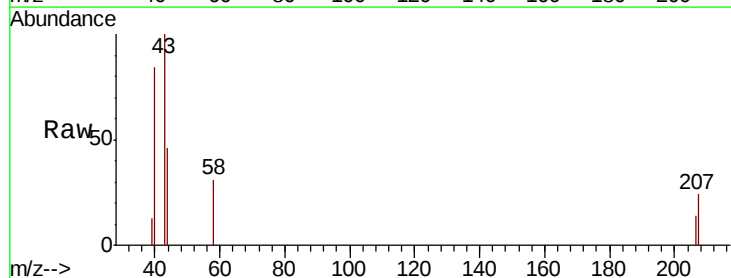
Tot Ion: 59 Resp: 1867
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

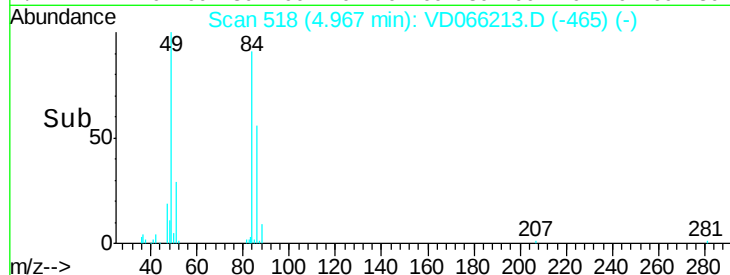
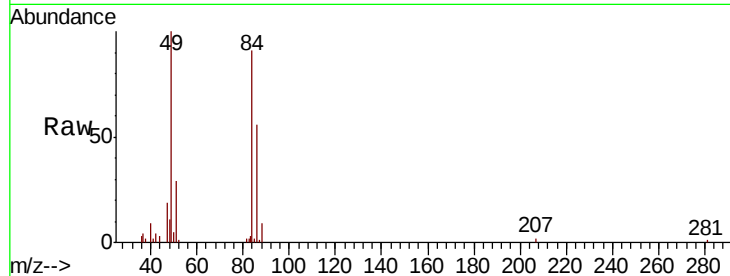
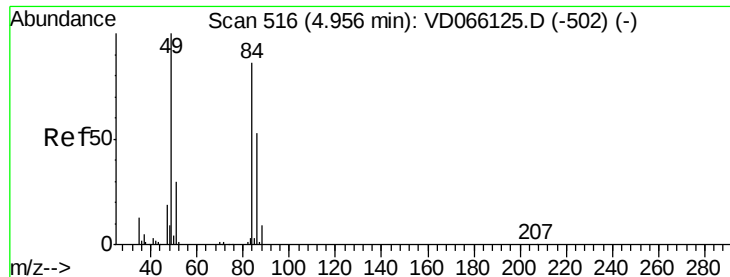


#16

Acetone
 Concen: 11.299 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066213.D
 Acq: 13 Aug 2020 16:33

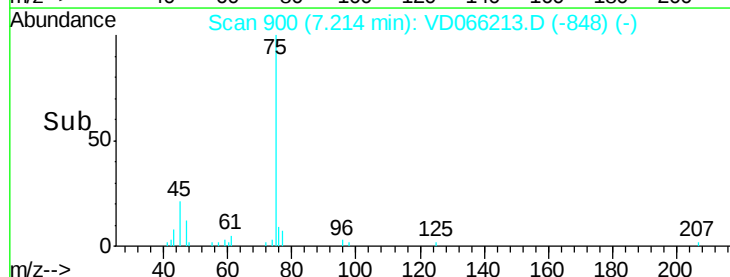
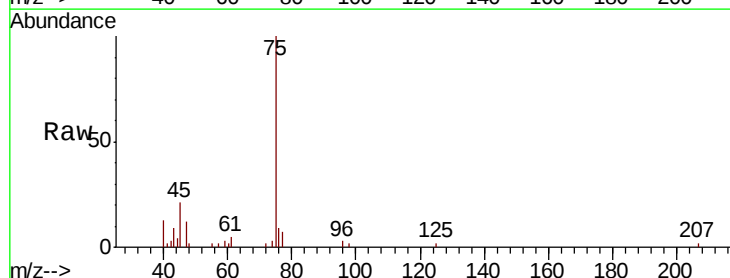
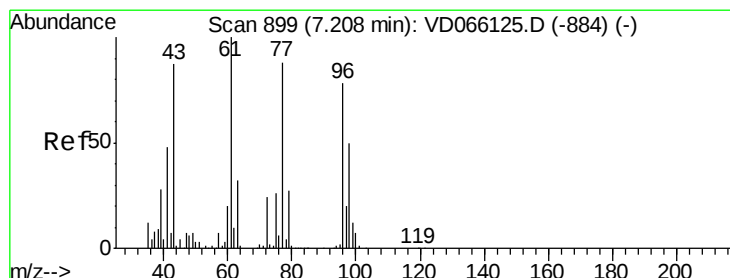
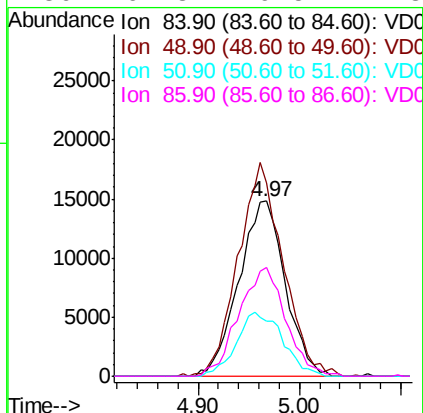
Tgt Ion: 43 Resp: 4266
 Ion Ratio Lower Upper
 43 100
 58 31.4 24.7 37.1





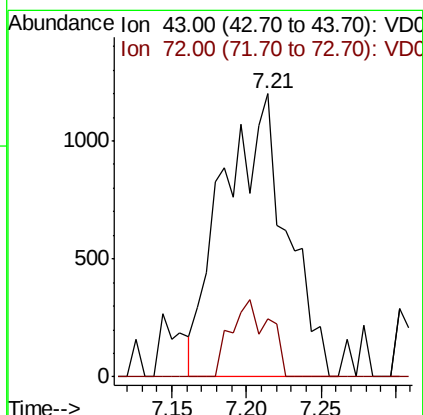
#20
Methvlene Chloride
Concen: 18.812 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

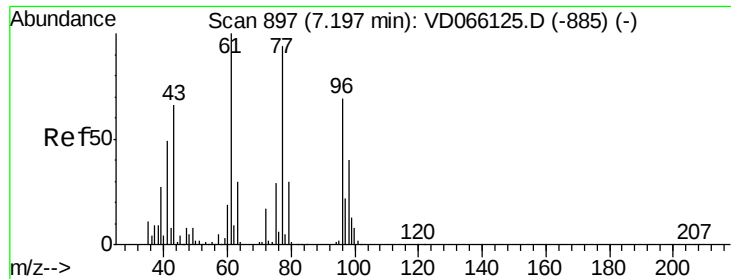
Tot Ion: 84 Resp: 47098
Ion Ratio Lower Upper
84 100
49 110.2 93.5 140.3
51 31.6 28.2 42.4
86 62.3 49.5 74.3



#25
2-Butanone
Concen: 6.396 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
72 20.4 22.2 33.2#





#26

2,2-Dichloropropane

Concen: 1.101 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.01 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

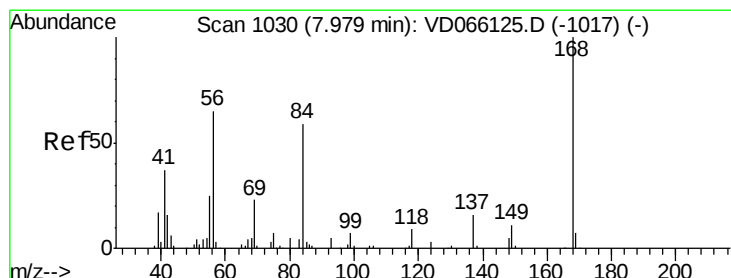
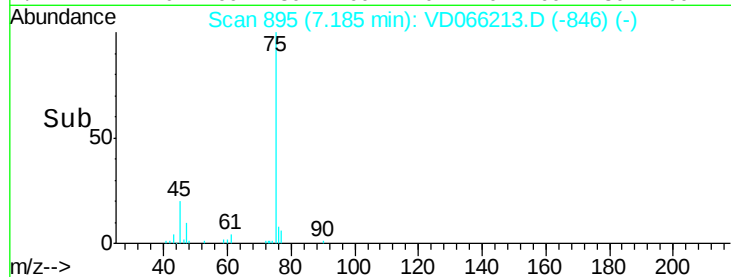
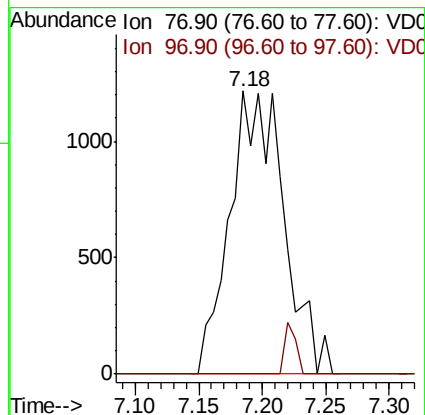
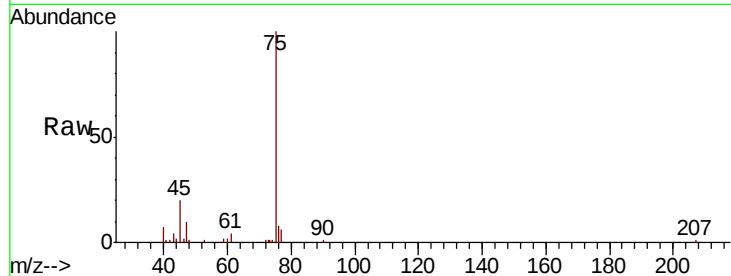
BP-VPB181-GW-148-150

Tot Ion: 77 Resp: 3613

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.428 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

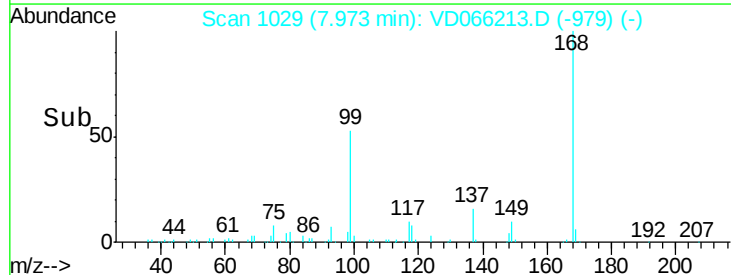
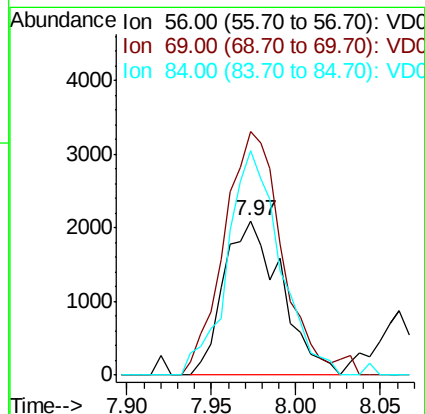
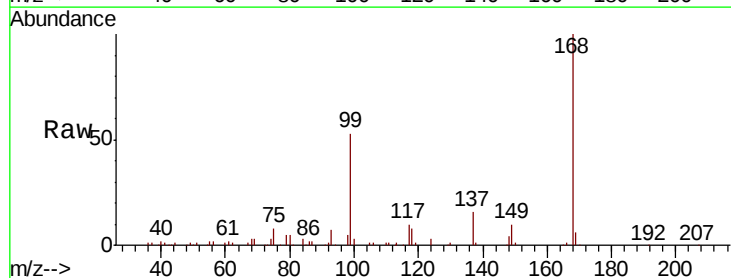
Tgt Ion: 56 Resp: 4979

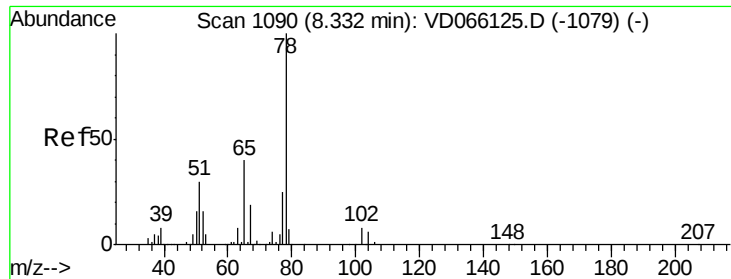
Ion Ratio Lower Upper

56 100

69 148.7 28.8 43.2#

84 145.0 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 51.952 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

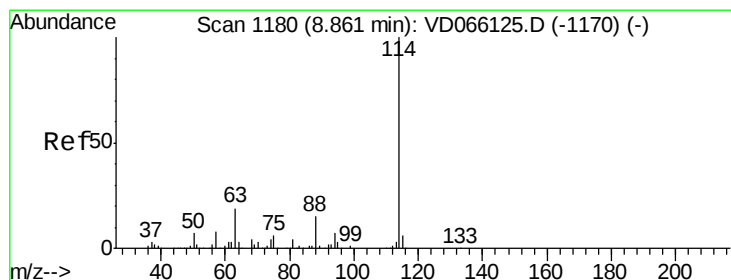
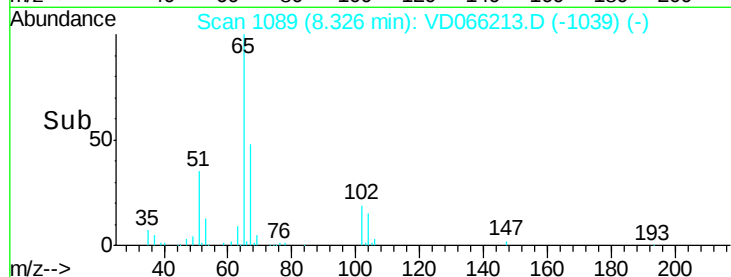
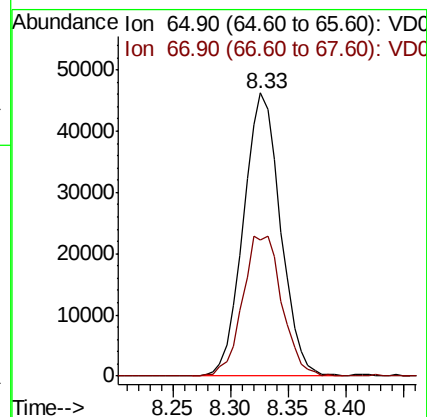
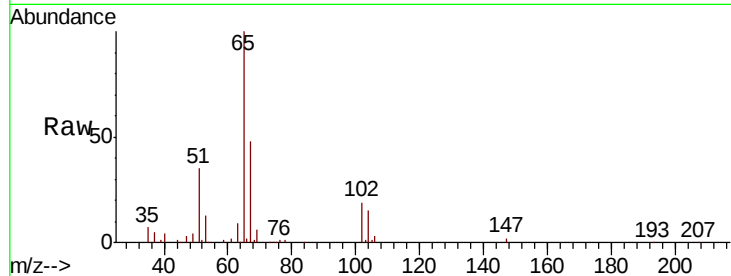
BP-VPB181-GW-148-150

Tot Ion: 65 Resp: 103376

Ion Ratio Lower Upper

65 100

67 52.5 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: VD066213.D

Acq: 13 Aug 2020 16:33

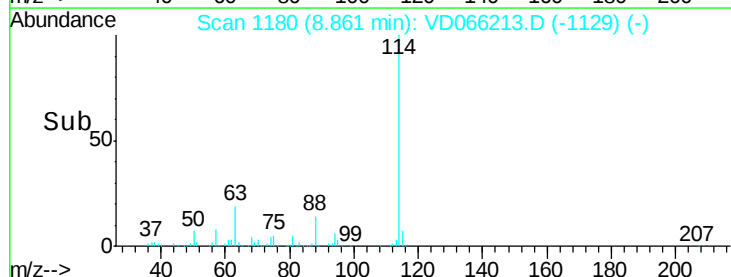
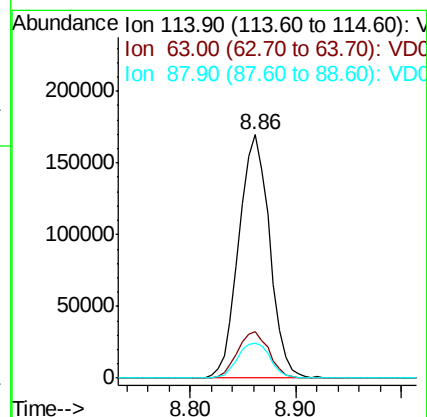
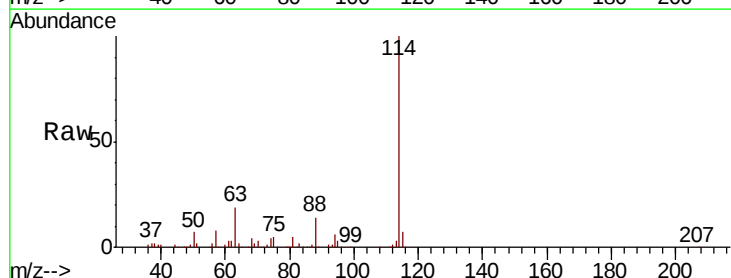
Tgt Ion: 114 Resp: 344126

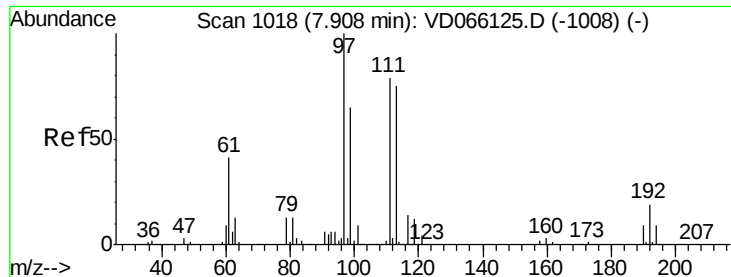
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 14.4 0.0 30.0

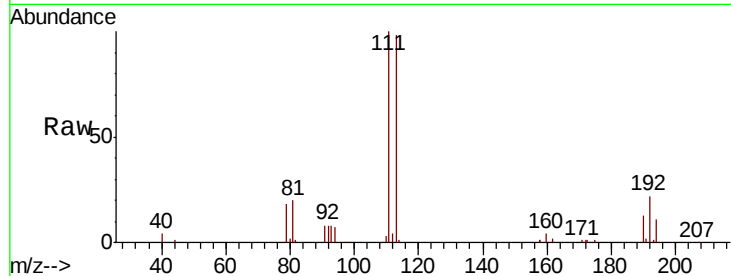




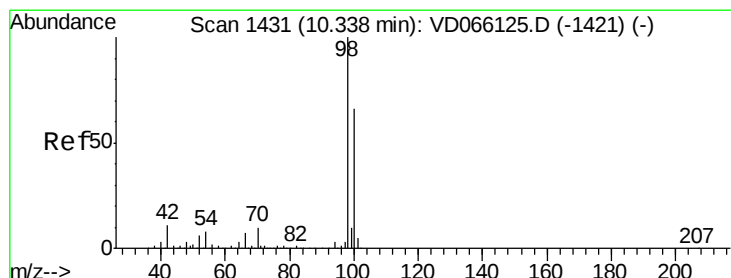
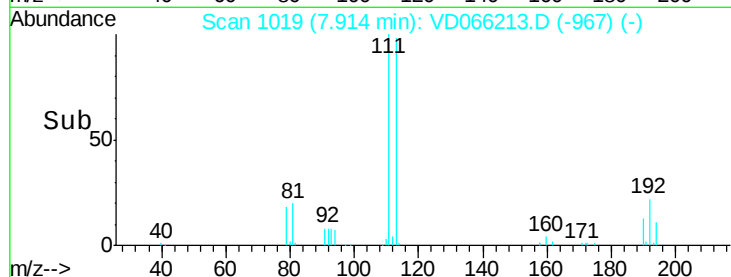
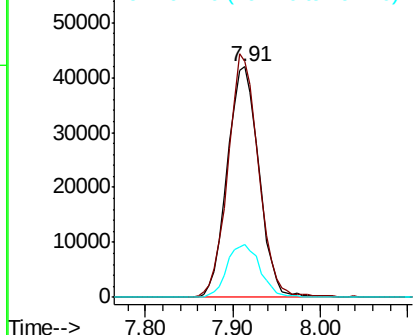
#35
Dibromofluoromethane
Concen: 47.444 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-148-150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.7	121.1
192	23.7	18.4	27.6

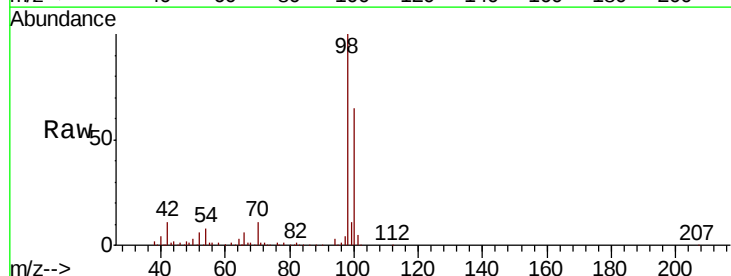


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

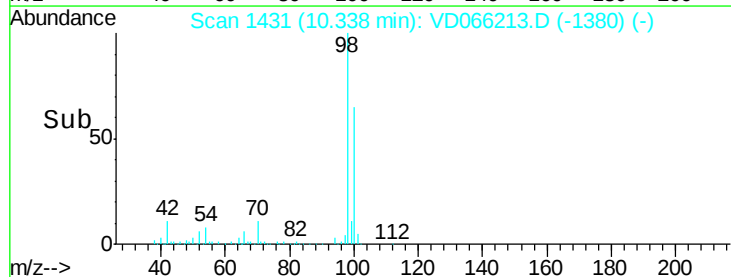
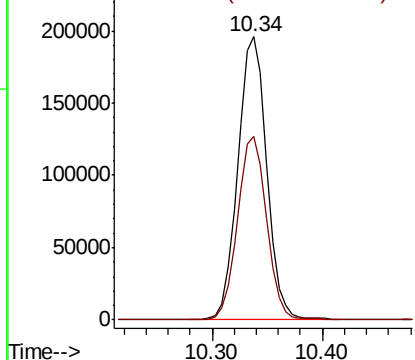


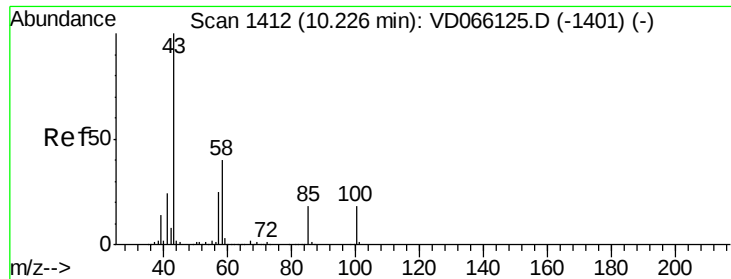
#50
Toluene-d8
Concen: 44.776 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.484 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

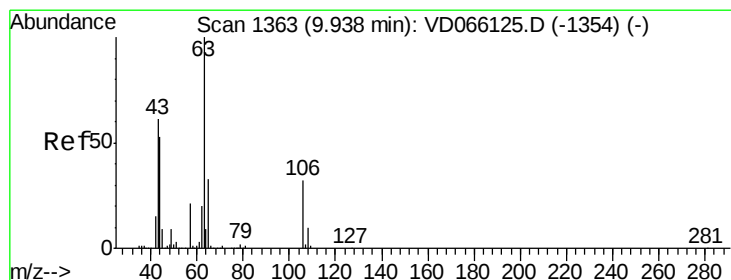
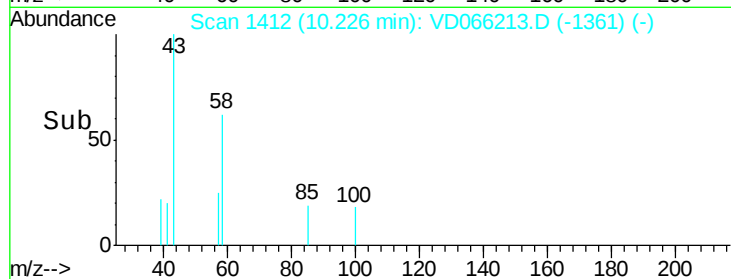
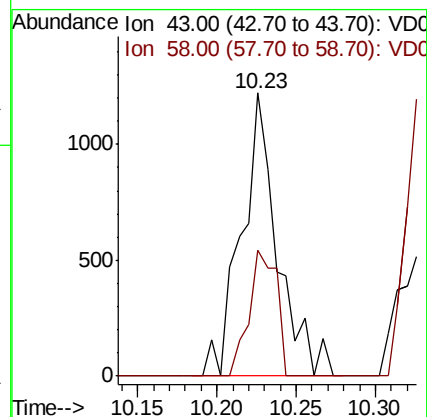
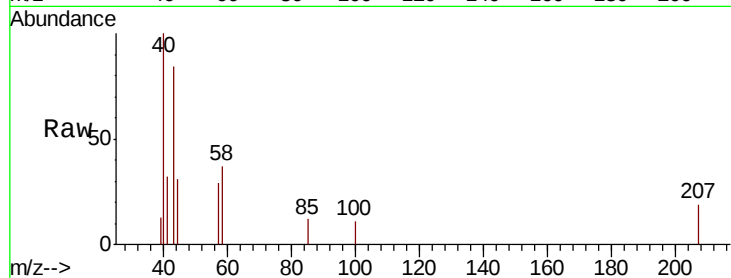
BP-VPB181-GW-148-150

Tot Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

58 33.9 31.1 46.7



#58

2-Chloroethyl Vinyl ether

Concen: 1.733 ug/l

RT: 9.93 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VD066213.D

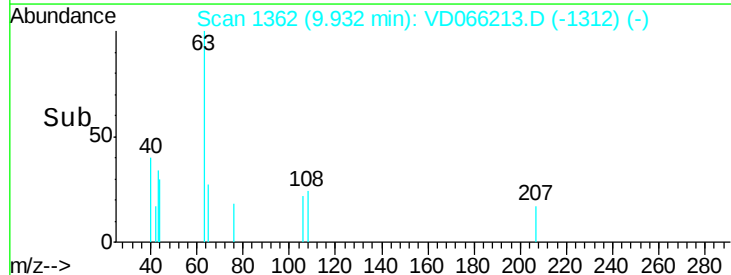
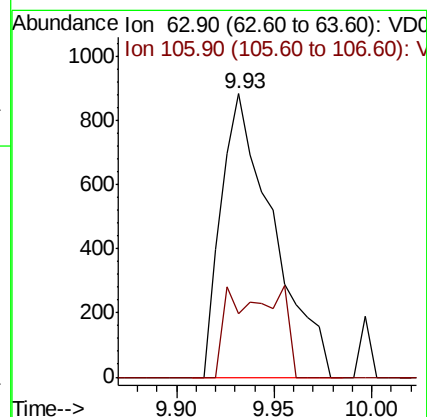
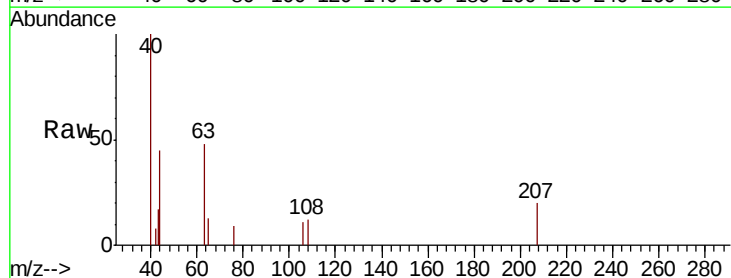
Acq: 13 Aug 2020 16:33

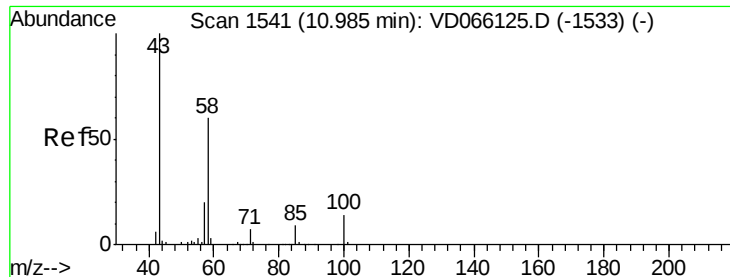
Tgt Ion: 63 Resp: 1630

Ion Ratio Lower Upper

63 100

106 20.3 25.3 37.9#

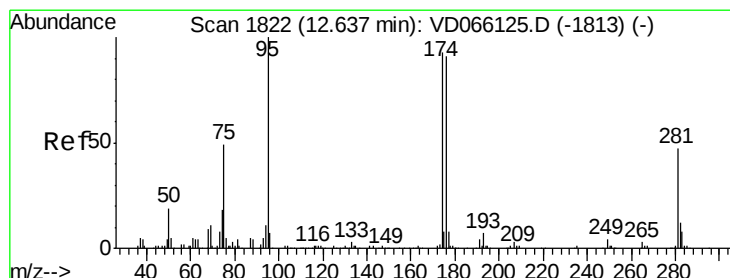
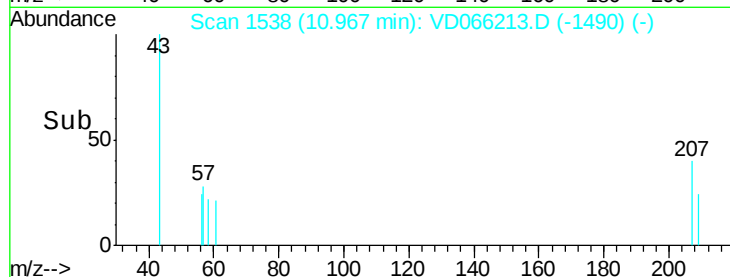
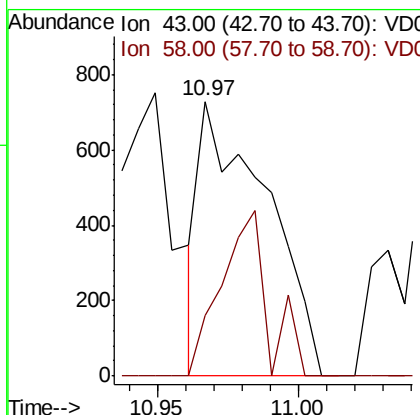
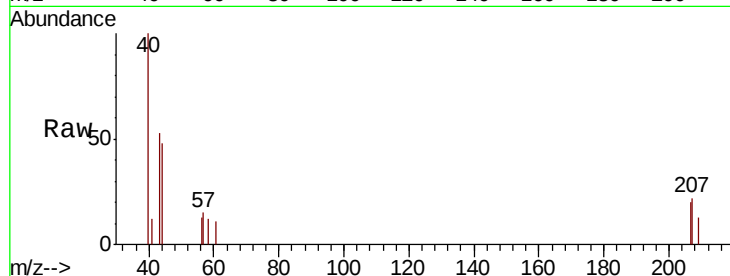




#59
2-Hexanone
Concen: 1.324 ug/l
RT: 10.97 min Scan# 1538
Delta R.T. -0.02 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

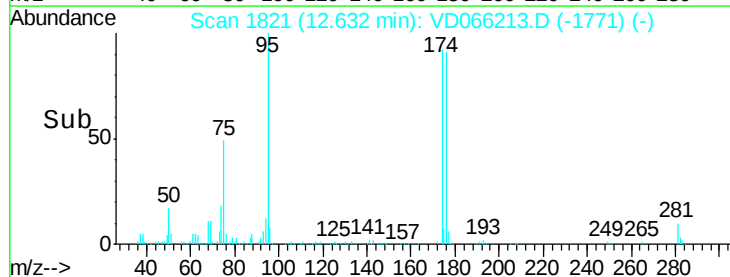
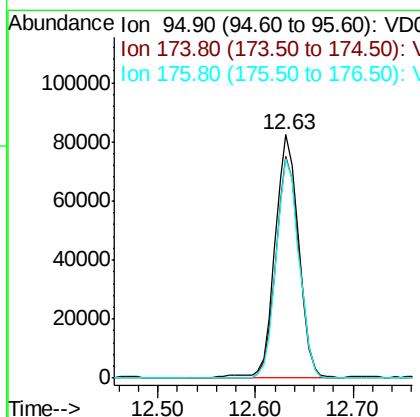
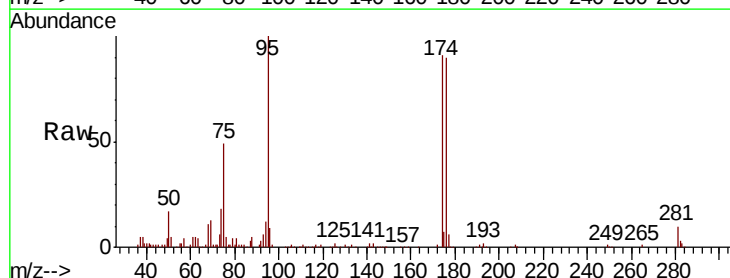
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-148-150

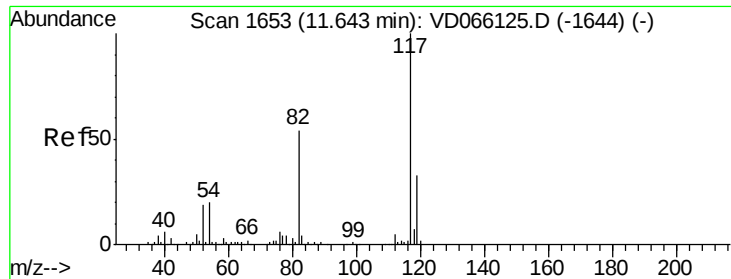
Tot Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 41.6 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 48.020 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

Tgt Ion: 95 Resp: 139250
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.8
176 86.3 0.0 181.2

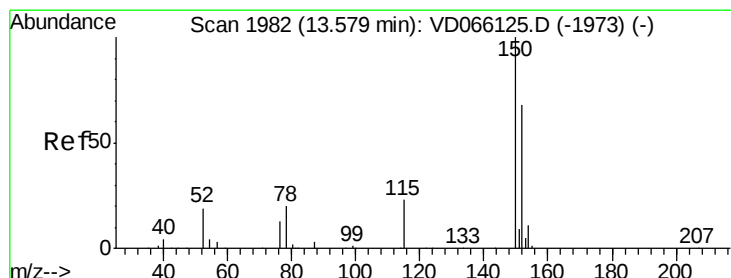
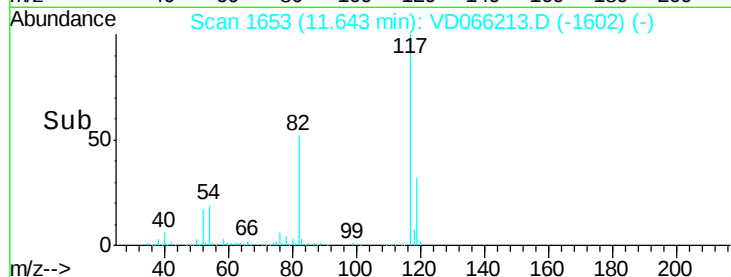
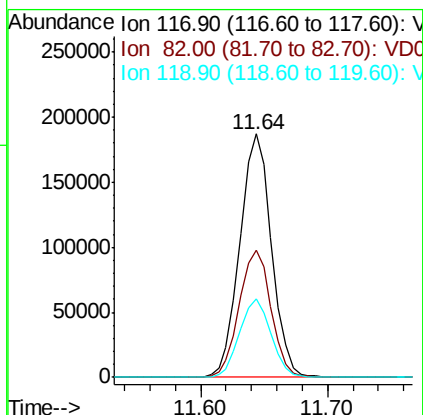
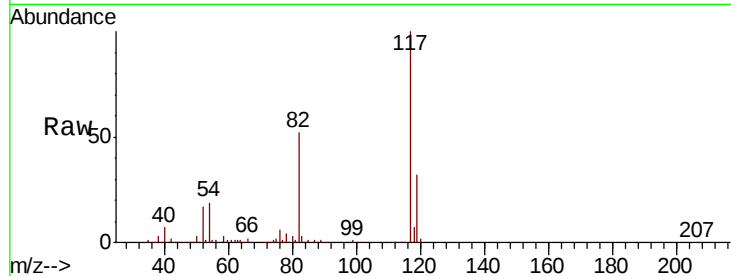




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

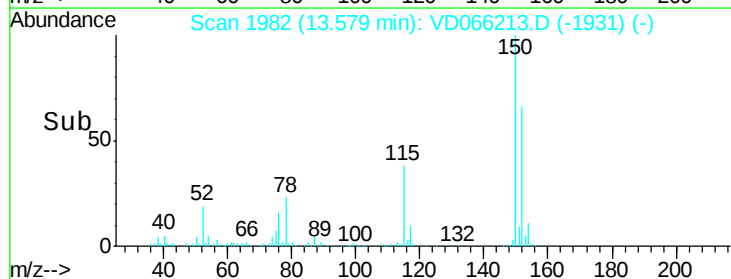
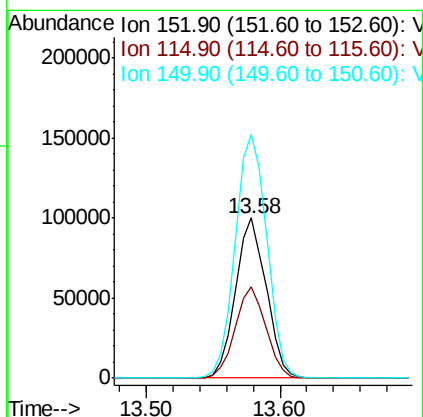
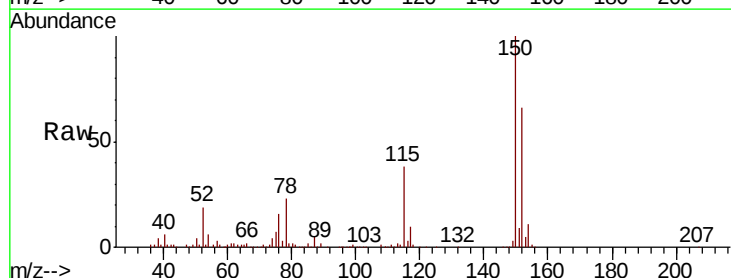
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-148-150

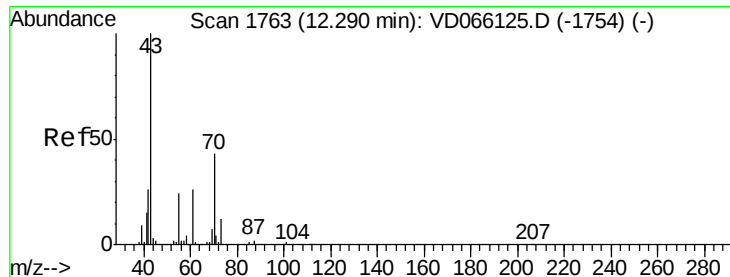
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.0	64.4
119	32.4	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066213.D
Acq: 13 Aug 2020 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.0	83.9
150	156.4	0.0	346.4





#74

N-amvl acetate

Concen: 1.734 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB181-GW-148-150

Tot Ion: 43 Resp: 4074

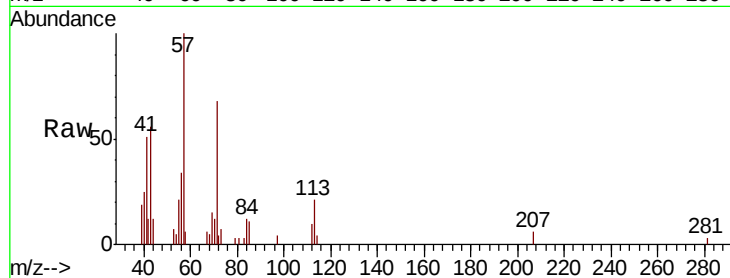
Ion Ratio Lower Upper

43 100

70 54.9 34.9 52.3#

55 0.0 19.2 28.8#

61 0.0 19.7 29.5#

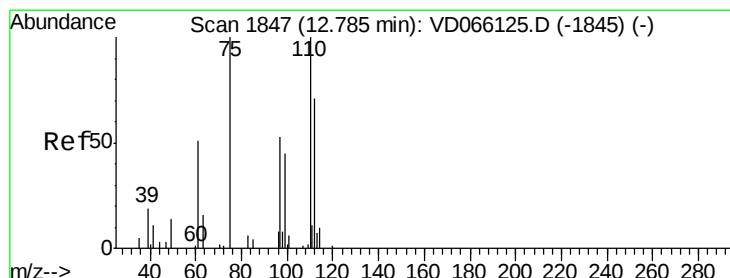
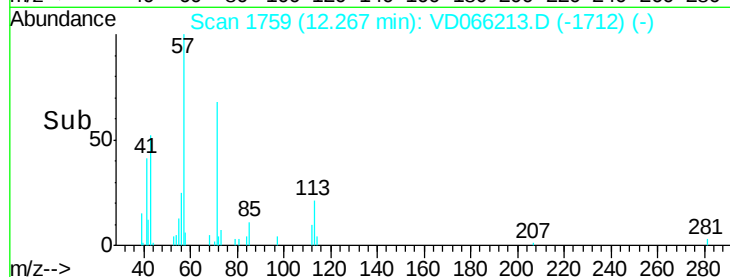
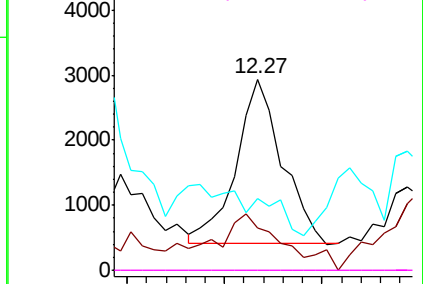


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 51.703 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066213.D

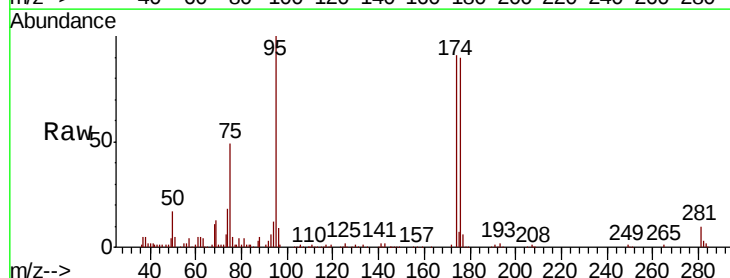
Acq: 13 Aug 2020 16:33

Tgt Ion: 75 Resp: 68929

Ion Ratio Lower Upper

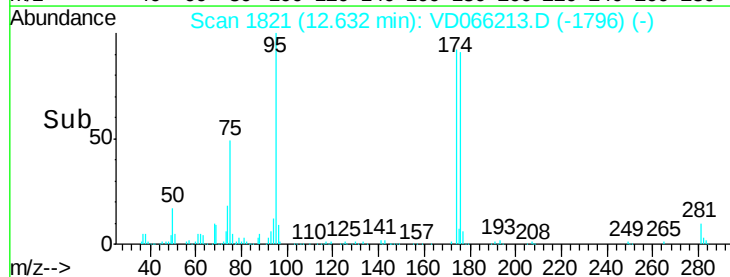
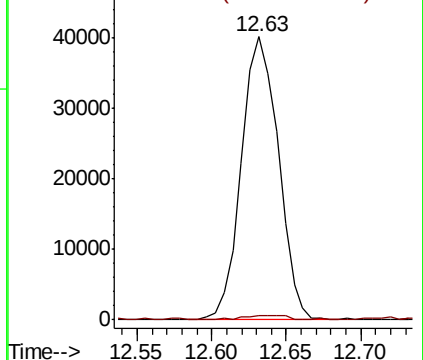
75 100

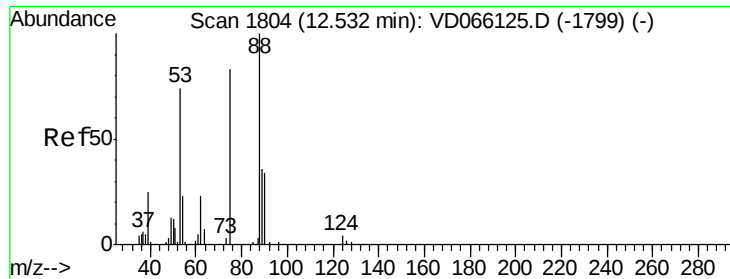
77 1.7 0.0 0.0#



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: 114.292 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB181-GW-148-150

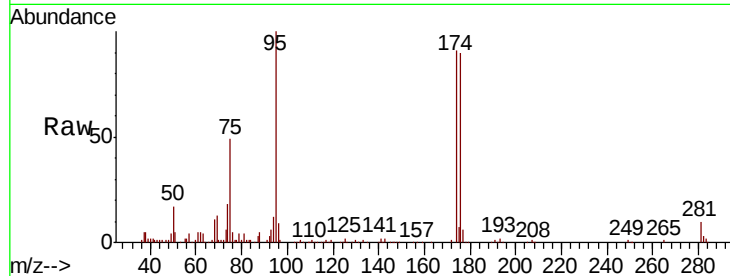
Tot Ion: 75 Resp: 68929

Ion Ratio Lower Upper

75 100

53 0.4 73.4 110.2#

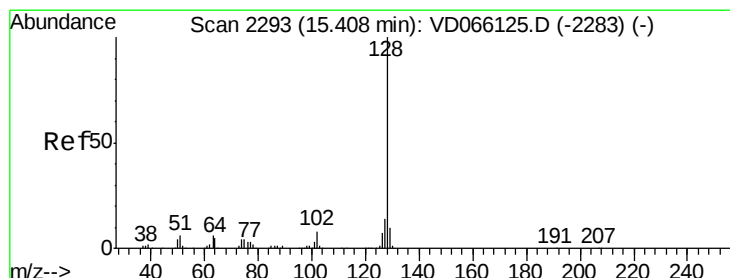
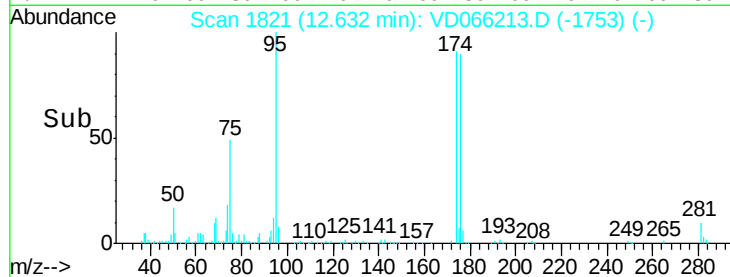
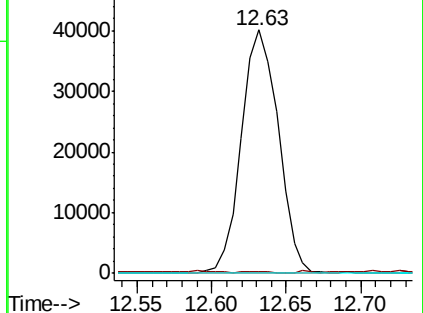
89 0.0 36.6 55.0#



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



#95

Naphthalene

Concen: 1.169 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066213.D

Acq: 13 Aug 2020 16:33

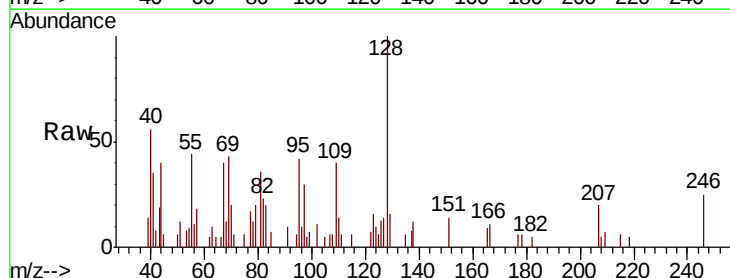
Tgt Ion: 128 Resp: 6410

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

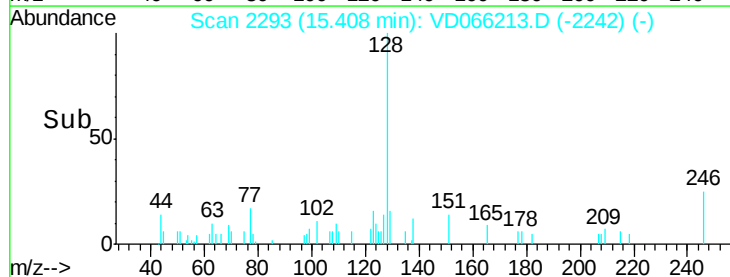
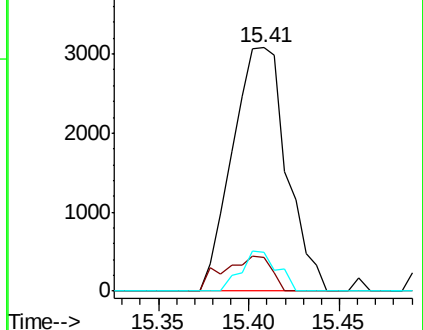
129 10.9 8.8 13.2

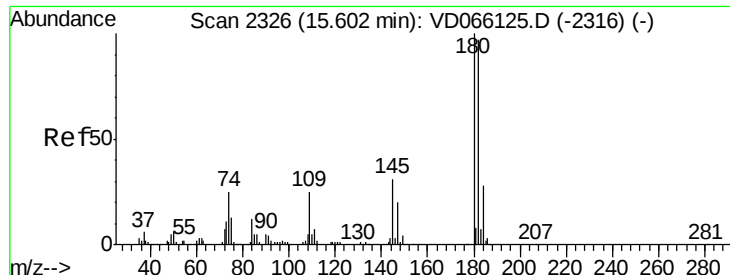


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

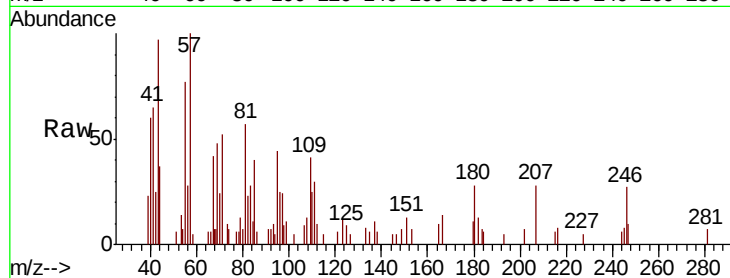




#96
 1,2,3-Trichlorobenzene
 Concen: 1.317 ug/l
 RT: 15.58 min Scan# 2323
 Delta R.T. -0.02 min
 Lab File: VD066213.D
 Acq: 13 Aug 2020 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-148-150

Tot Ion	Ratio	Lower	Upper
180	100		
182	50.9	47.1	141.4
145	13.6	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

