

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066561.D
 Acq On : 04 Sep 2020 14:23
 Operator : VA/SY
 Sample : L3923-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-878-880

Quant Time: Sep 05 03:46:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	326818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	598737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	540908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227055	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	214337	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.91	113	201069	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.34	98	732942	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.63	95	242838	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

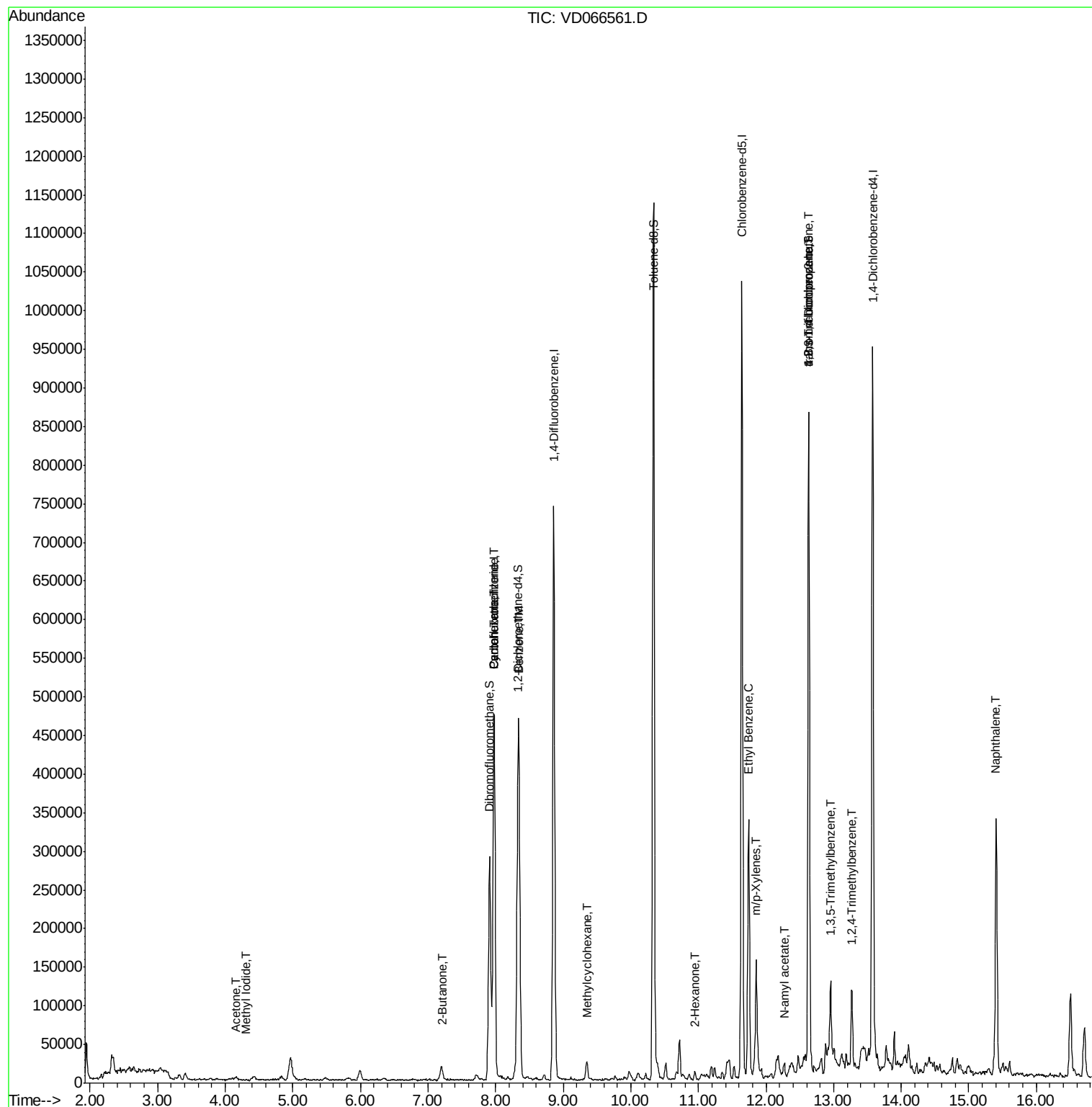
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	885	Below Cal		82
5) Bromomethane	2.78	94	973	Below Cal	#	34
10) Methyl Iodide	4.30	142	320	4.111	ug/l #	35
11) Tert butyl alcohol	5.22	59	357	Below Cal	#	74
16) Acetone	4.16	43	6049	8.314	ug/l #	78
20) Methylene Chloride	4.96	84	20802	Below Cal	#	92
25) 2-Butanone	7.21	43	2130	2.181	ug/l #	51
31) Cyclohexane	7.98	56	11356	1.760	ug/l #	30
38) Carbon Tetrachloride	7.98	117	38441	5.837	ug/l #	18
39) Methylcyclohexane	9.34	83	8479	1.219	ug/l	89
40) Benzene	8.34	78	310681	18.205	ug/l	95
59) 2-Hexanone	10.94	43	3507	2.175	ug/l #	27
67) Ethyl Benzene	11.74	91	224192	10.937	ug/l	100
68) m/p-Xylenes	11.86	106	35152	4.618	ug/l	97
74) N-amyl acetate	12.27	43	4092	1.075	ug/l #	67
76) 1,2,3-Trichloropropane	12.63	75	139997	64.111	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	22932	1.621	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.63	75	139997	149.677	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.27	105	60103	4.267	ug/l	97
95) Naphthalene	15.41	128	299965	43.981	ug/l	100

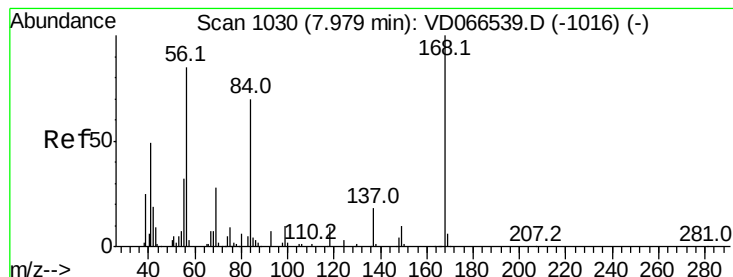
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

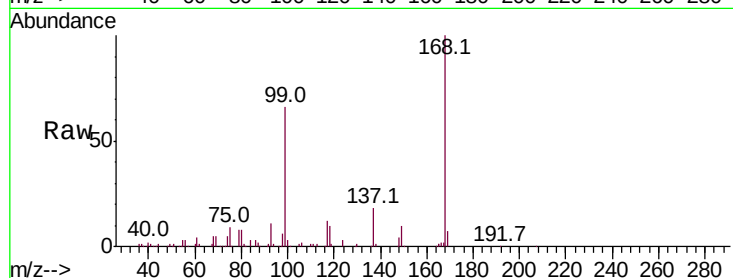
BP-VPB181-GW-878-880

Tot Ion:168 Resp: 326818

Ion Ratio Lower Upper

168 100

99 65.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

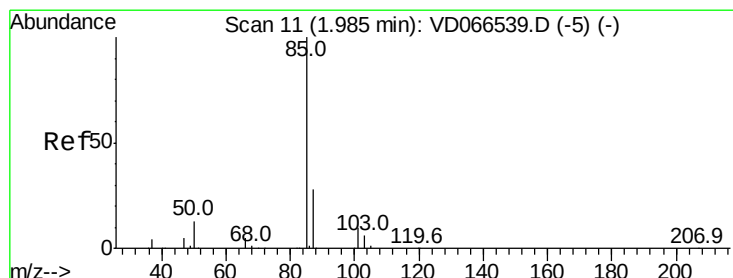
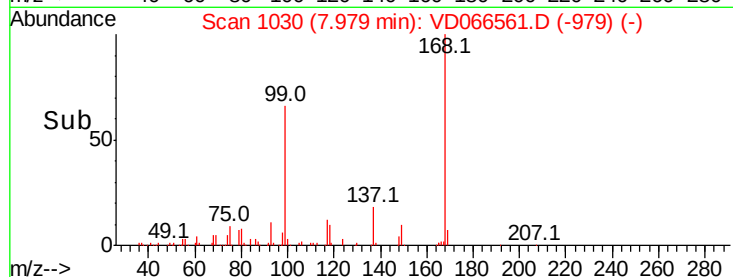
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066561.D

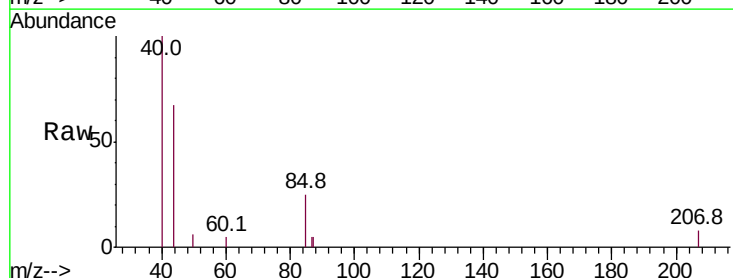
Acq: 04 Sep 2020 14:23

Tgt Ion: 85 Resp: 885

Ion Ratio Lower Upper

85 100

87 37.7 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

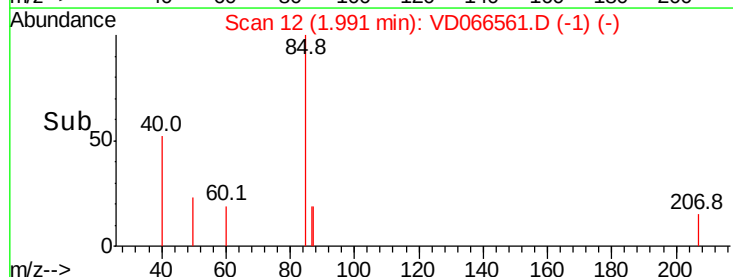
600

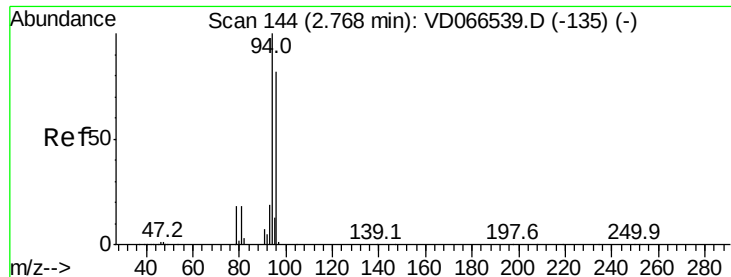
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

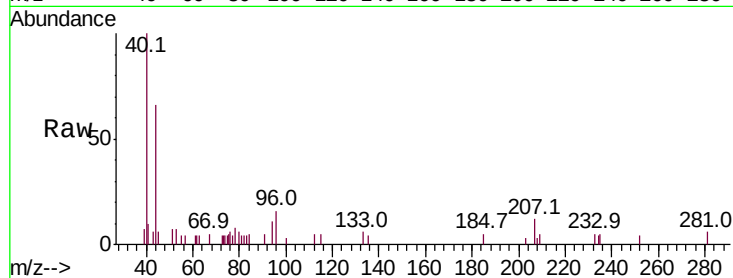
BP-VPB181-GW-878-880

Tot Ion: 94 Resp: 973

Ion Ratio Lower Upper

94 100

96 140.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

600

400

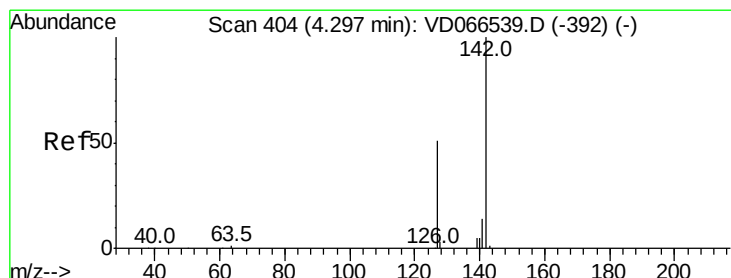
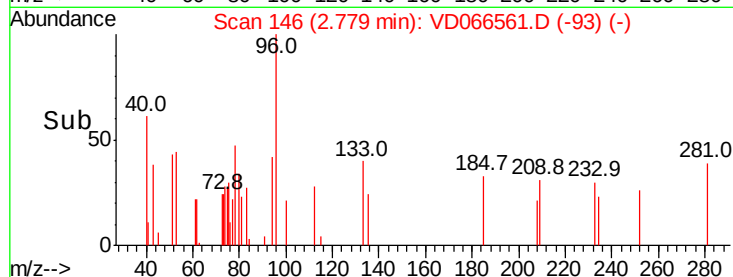
200

0

2.75 2.80

2.78

Time-->



#10

Methyl Iodide

Concen: 4.111 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

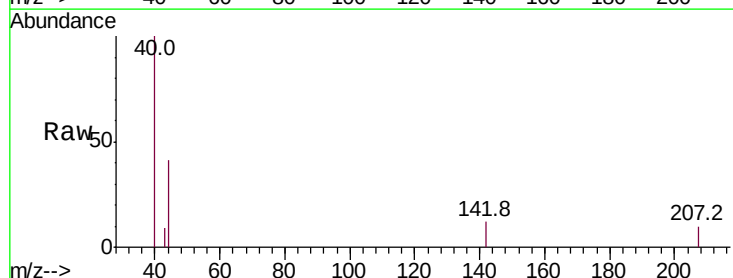
Tgt Ion: 142 Resp: 320

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



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

500

400

300

200

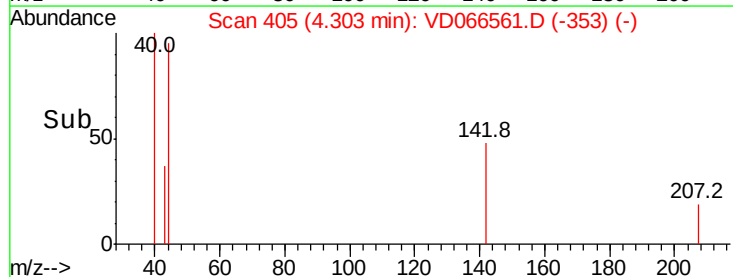
100

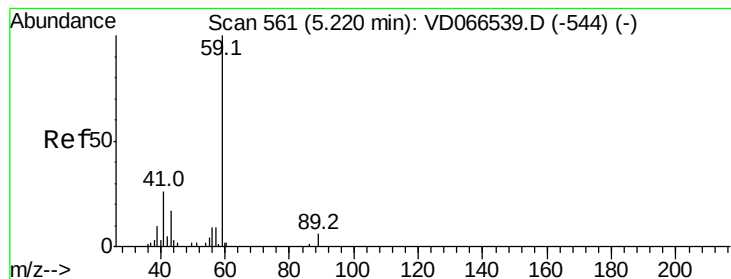
0

4.28 4.30 4.32

4.30

Time-->



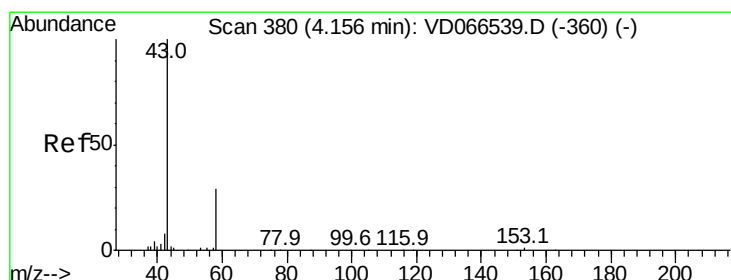
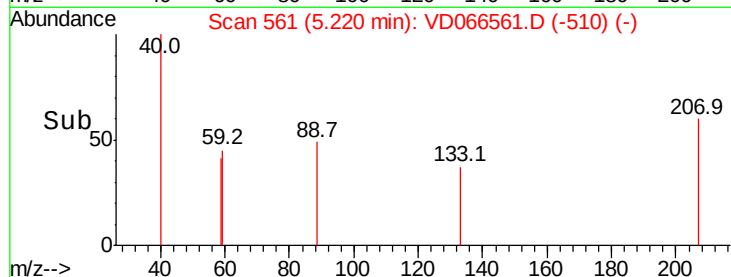
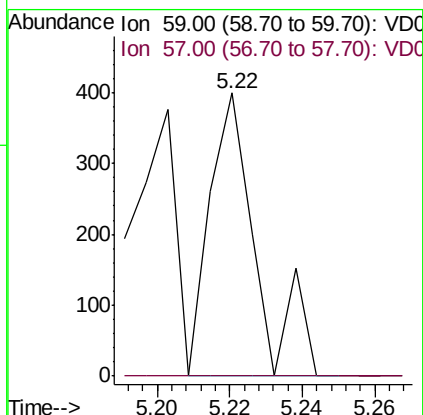
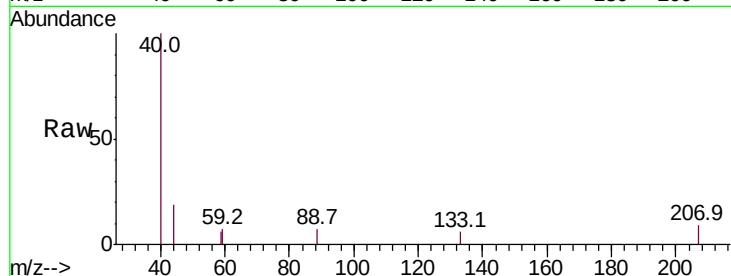


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066561.D
 Acq: 04 Sep 2020 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-878-880

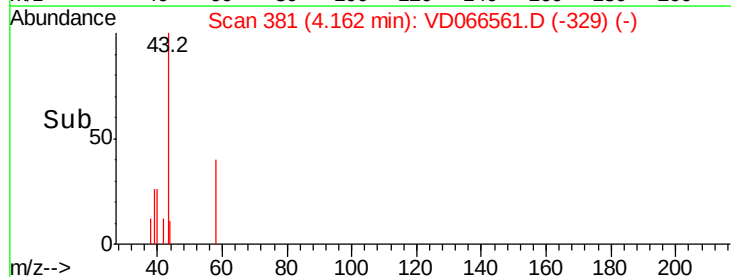
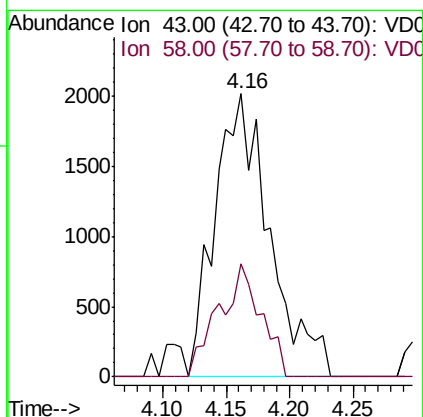
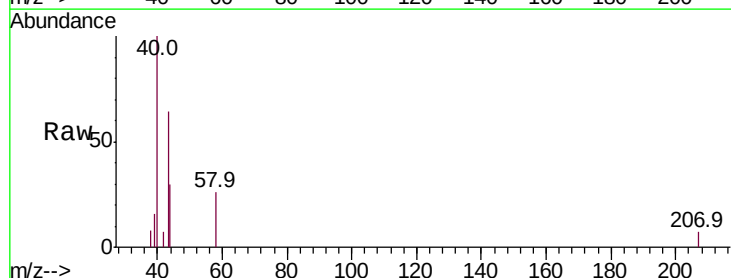
Tot Ion: 59 Resp: 357
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

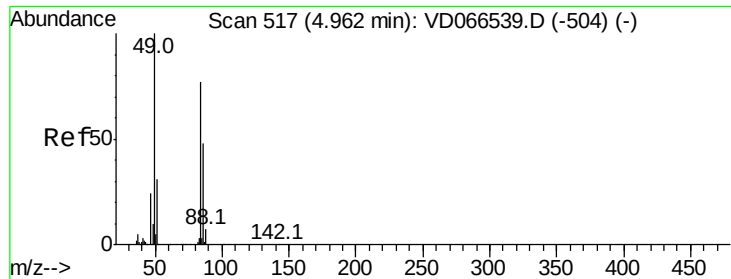


#16

Acetone
 Concen: 8.314 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066561.D
 Acq: 04 Sep 2020 14:23

Tgt Ion: 43 Resp: 6049
 Ion Ratio Lower Upper
 43 100
 58 40.2 22.9 34.3#

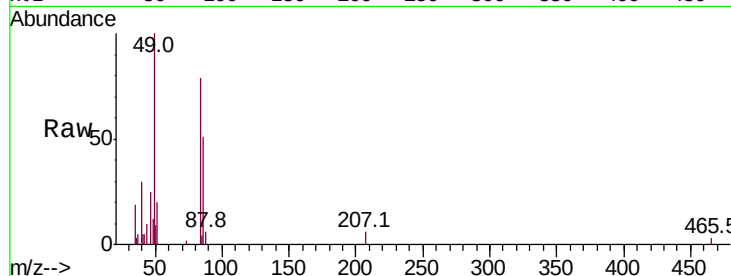




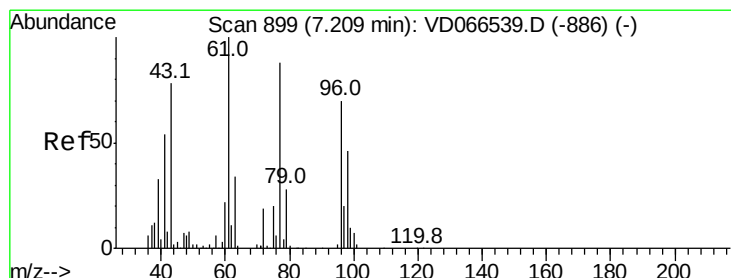
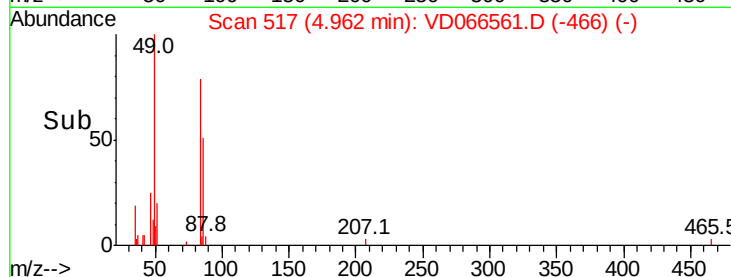
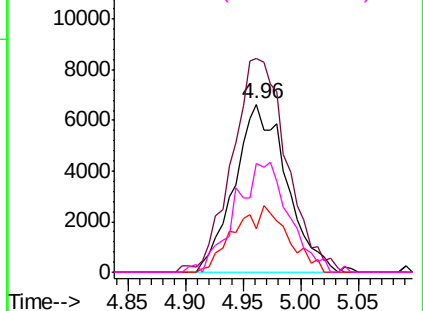
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-878-880

Tot Ion: 84 Resp: 20802
Ion Ratio Lower Upper
84 100
49 124.8 104.3 156.5
51 26.0 32.2 48.4#
86 65.2 50.0 75.0

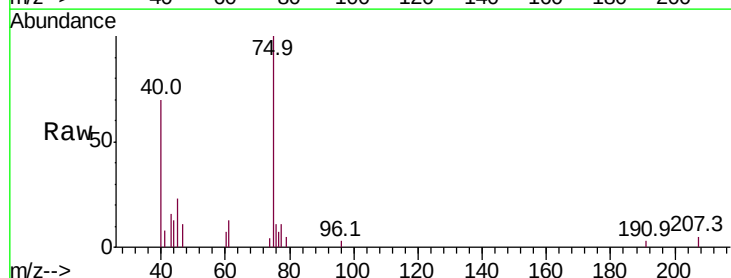


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

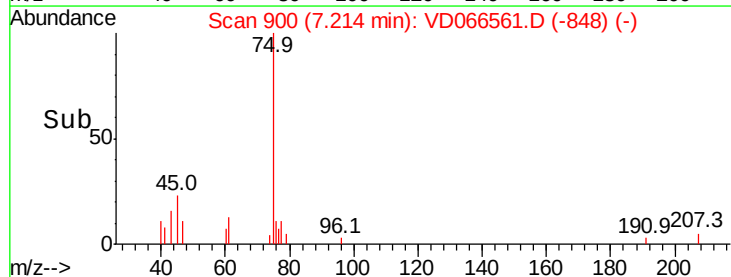
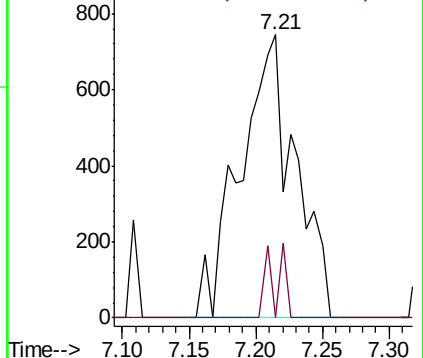


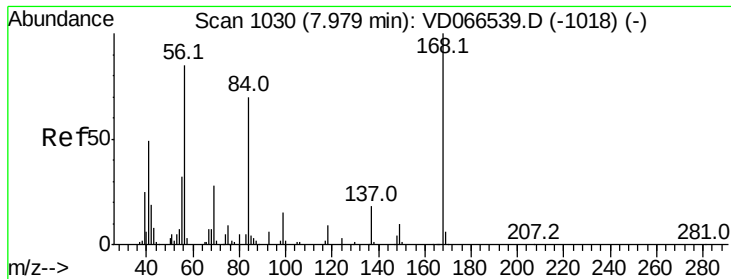
#25
2-Butanone
Concen: 2.181 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.760 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB181-GW-878-880

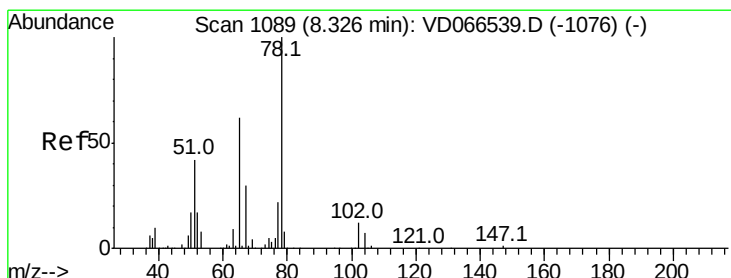
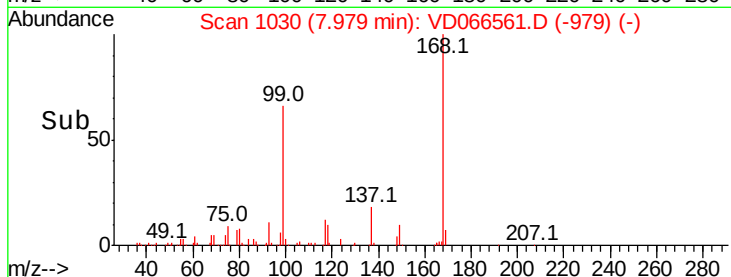
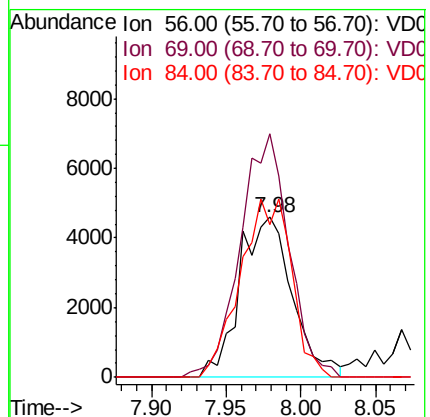
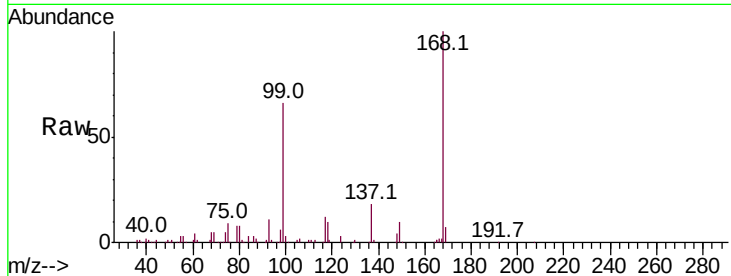
Tot Ion: 56 Resp: 11356

Ion Ratio Lower Upper

56 100

69 152.1 26.3 39.5#

84 95.1 66.1 99.1



#33

1,2-Dichloroethane-d4

Concen: 54.205 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066561.D

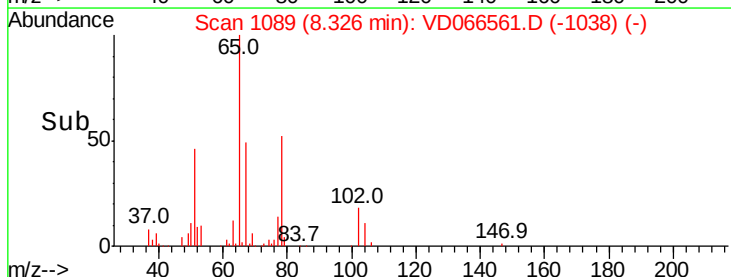
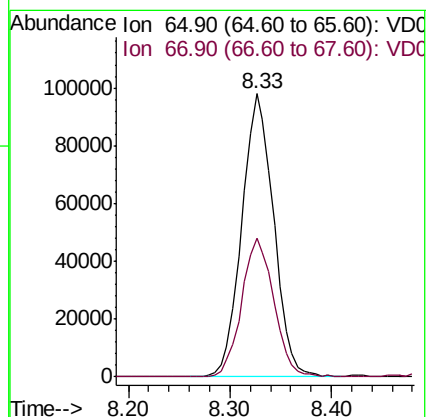
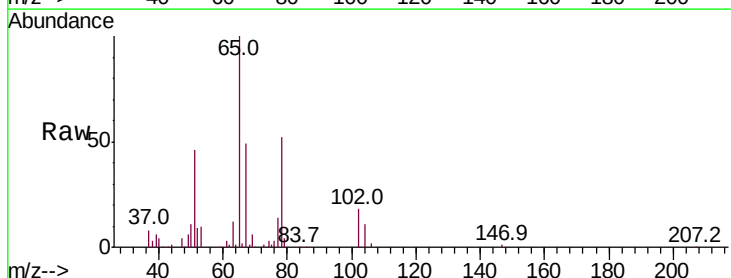
Acq: 04 Sep 2020 14:23

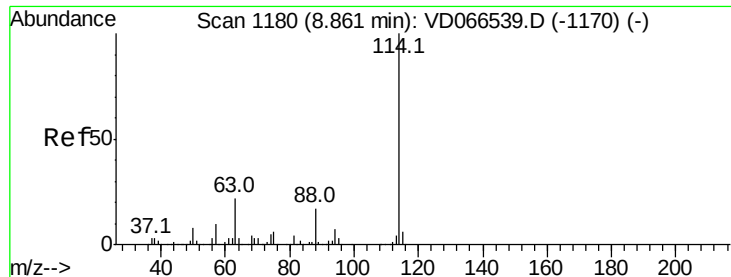
Tgt Ion: 65 Resp: 214337

Ion Ratio Lower Upper

65 100

67 49.6 0.0 102.8

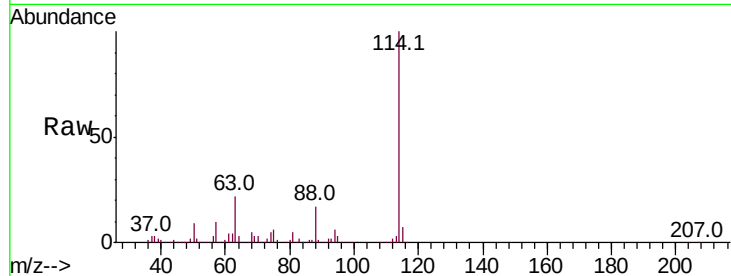




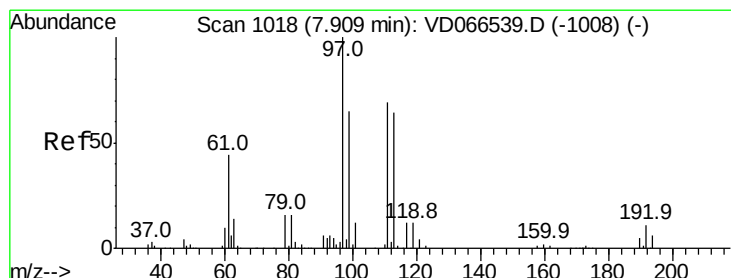
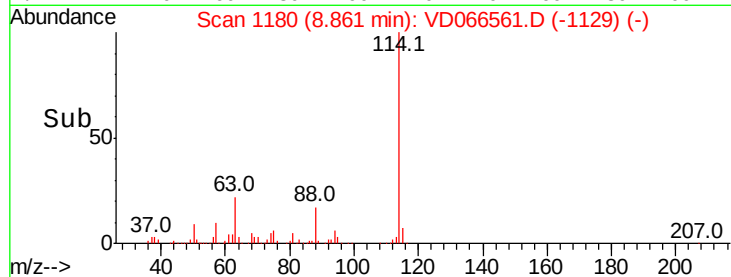
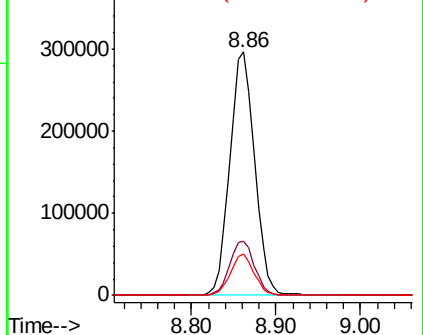
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-878-880

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.8	0.0	33.2

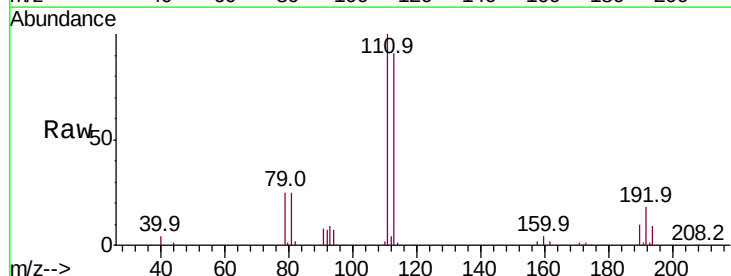


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

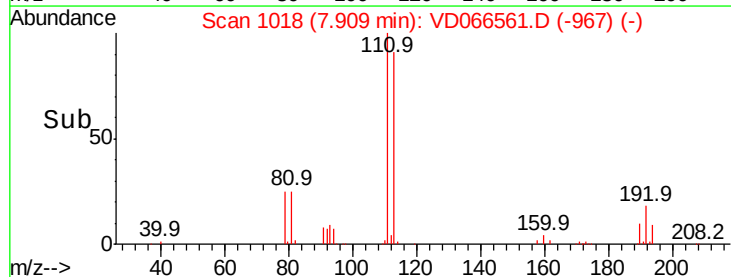
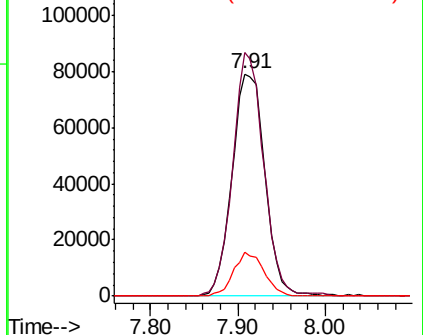


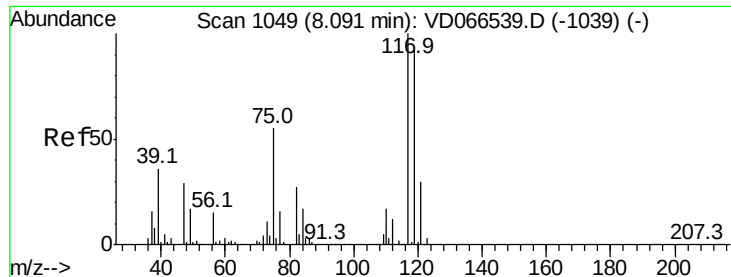
#35
Dibromofluoromethane
Concen: 49.780 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	18.1	13.7	20.5



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





#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB181-GW-878-880

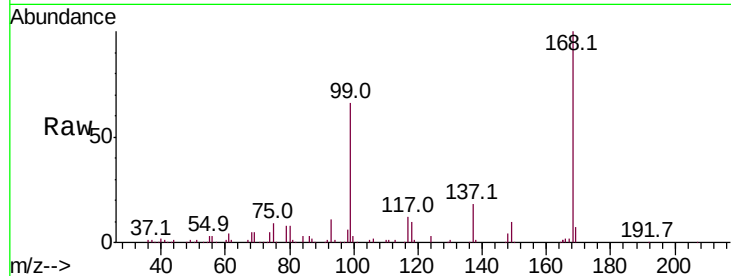
Tot Ion:117 Resp: 38441

Ion Ratio Lower Upper

117 100

119 5.7 73.9 110.9#

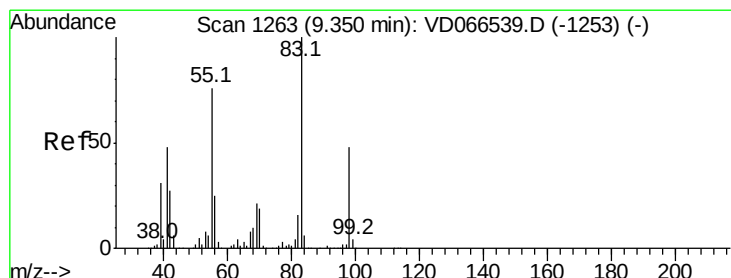
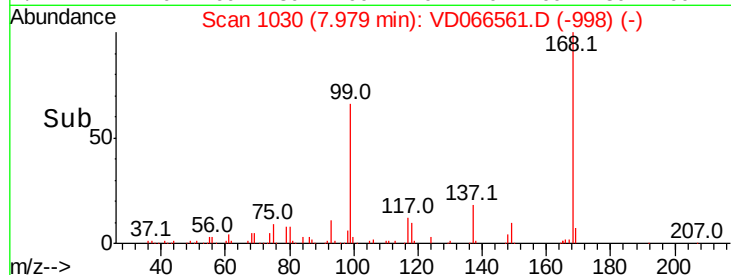
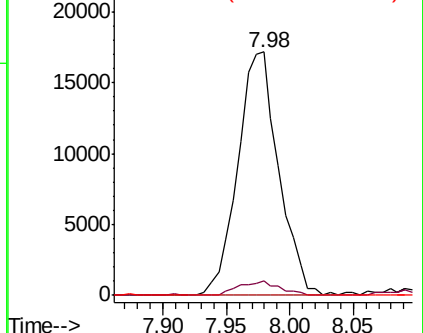
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 1.219 ug/l

RT: 9.34 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

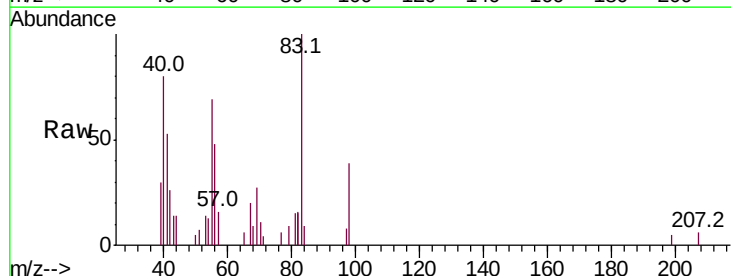
Tgt Ion: 83 Resp: 8479

Ion Ratio Lower Upper

83 100

55 68.8 60.8 91.2

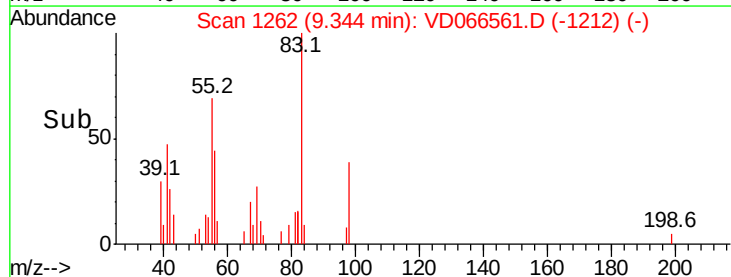
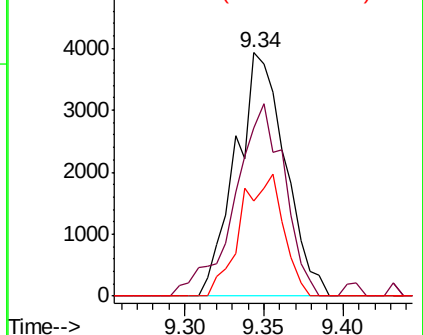
98 38.9 38.6 58.0

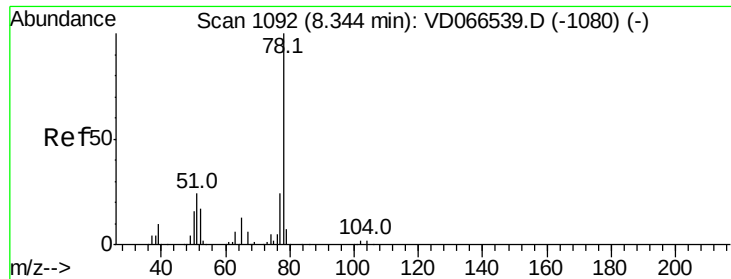


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 18.205 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

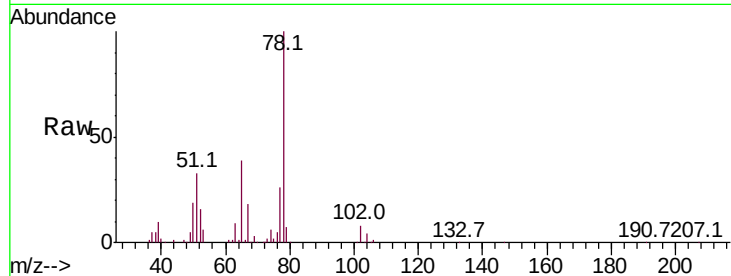
BP-VPB181-GW-878-880

Tot Ion: 78 Resp: 310681

Ion Ratio Lower Upper

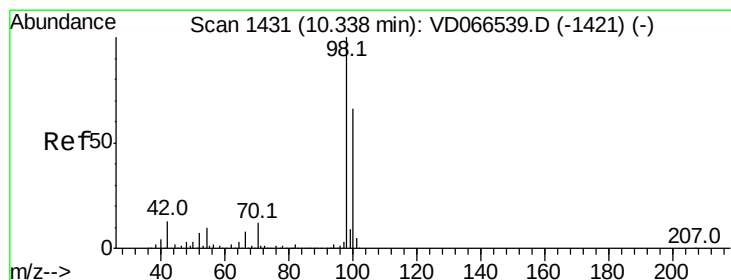
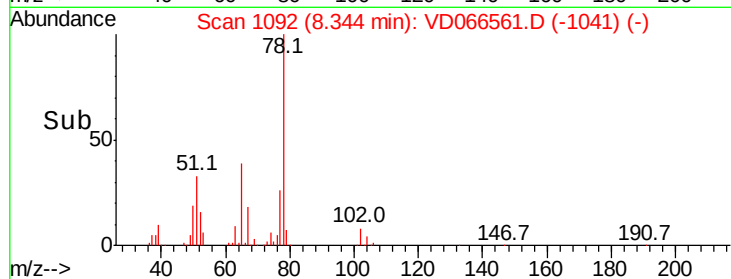
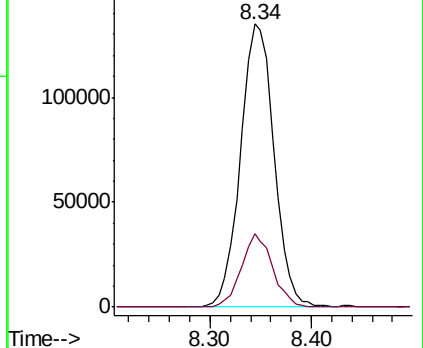
78 100

77 26.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



#50

Toluene-d8

Concen: 50.770 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066561.D

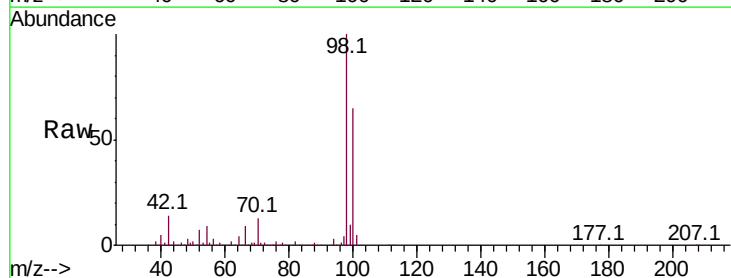
Acq: 04 Sep 2020 14:23

Tgt Ion: 98 Resp: 732942

Ion Ratio Lower Upper

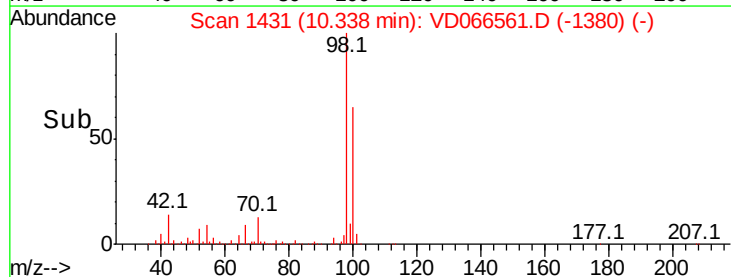
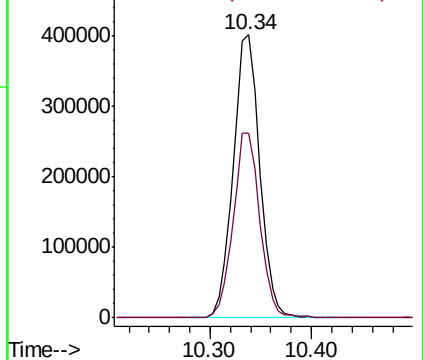
98 100

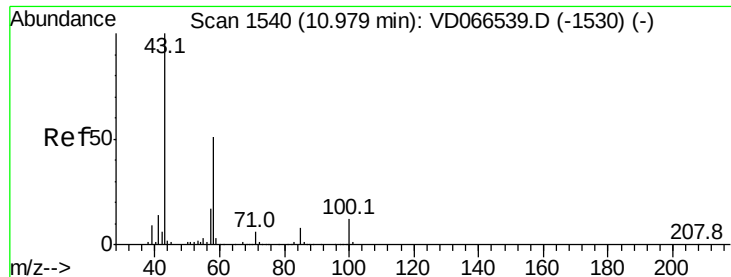
100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#59

2-Hexanone

Concen: 2.175 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

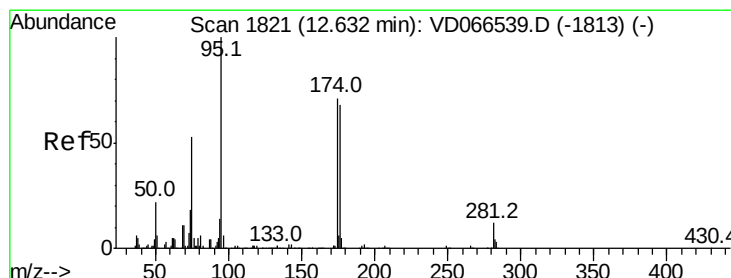
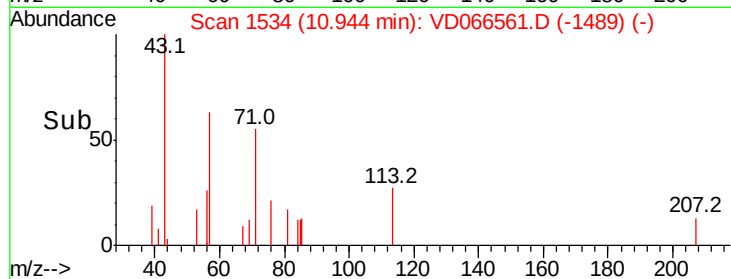
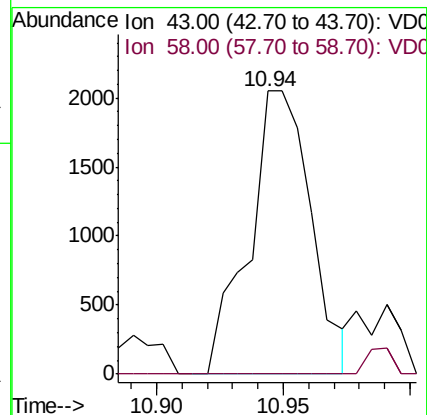
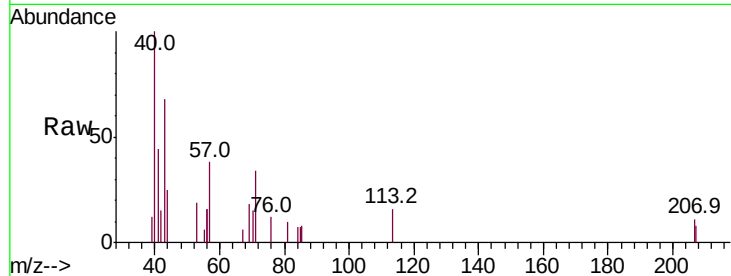
BP-VPB181-GW-878-880

Tot Ion: 43 Resp: 3507

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#



#62

4-Bromofluorobenzene

Concen: 50.729 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

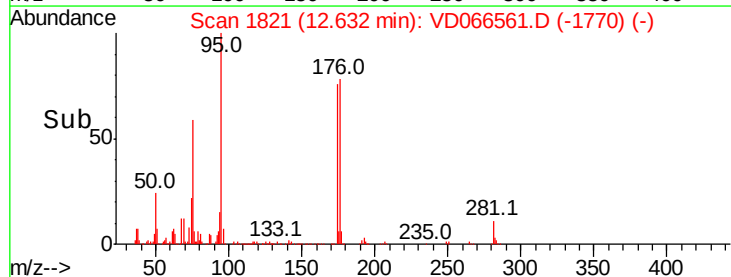
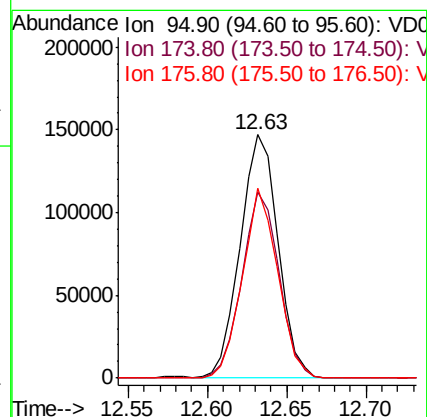
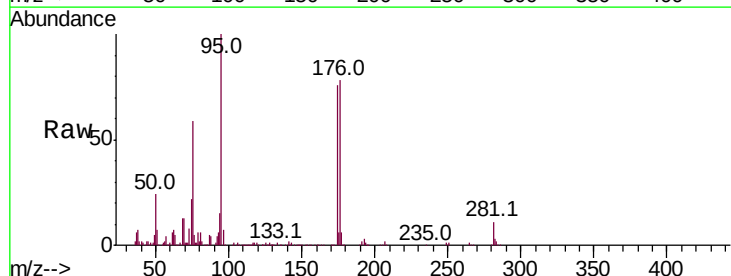
Tgt Ion: 95 Resp: 242838

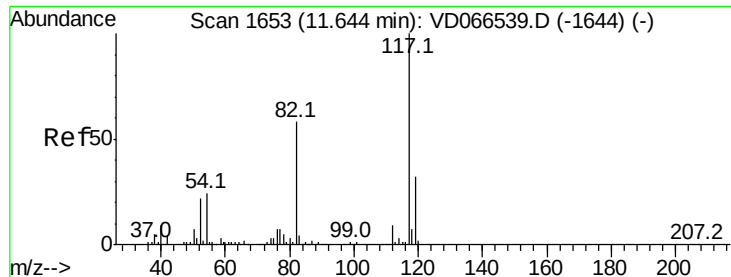
Ion Ratio Lower Upper

95 100

174 75.4 0.0 155.8

176 73.3 0.0 148.6

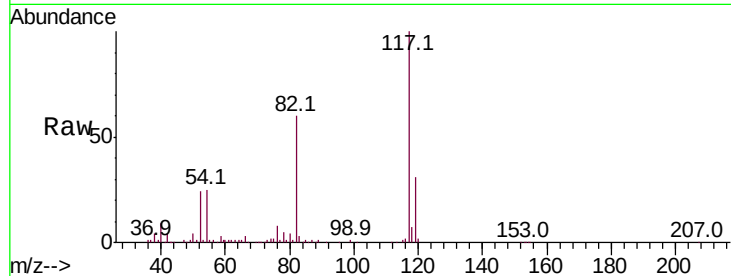




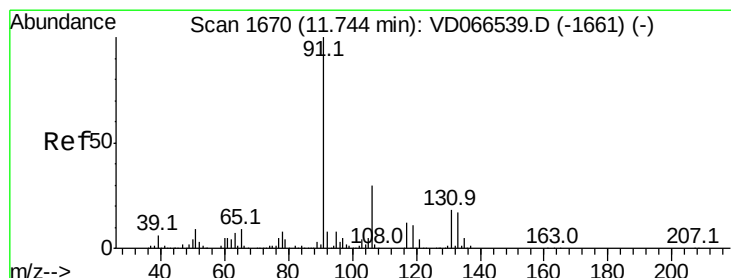
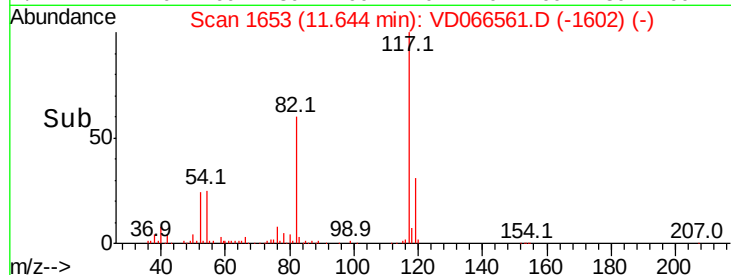
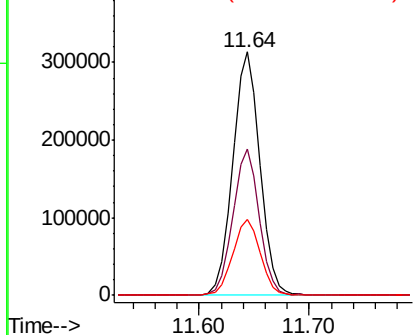
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB181-GW-878-880

Tot Ion:117 Resp: 540908
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.2
119 31.1 25.8 38.8

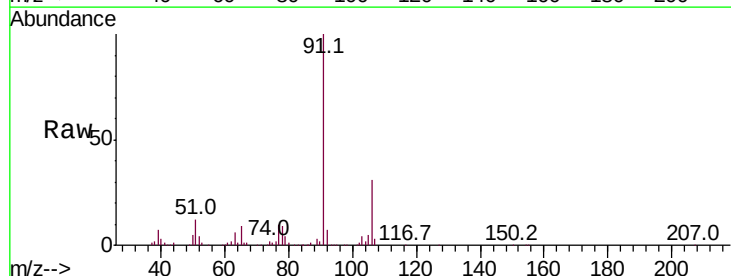


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

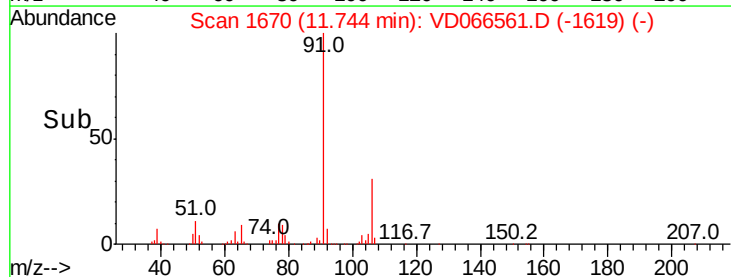
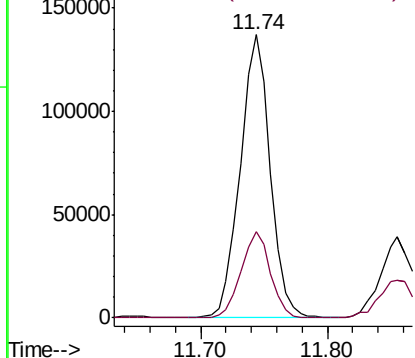


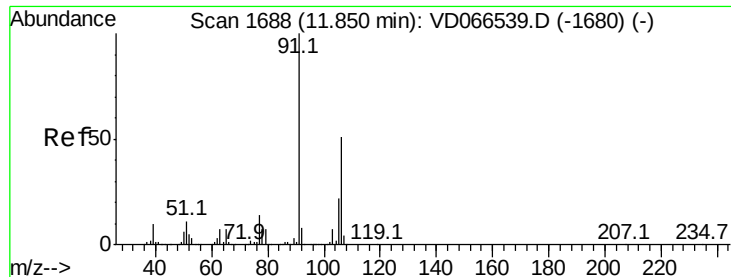
#67
Ethyl Benzene
Concen: 10.937 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066561.D
Acq: 04 Sep 2020 14:23

Tgt Ion: 91 Resp: 224192
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 4.618 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

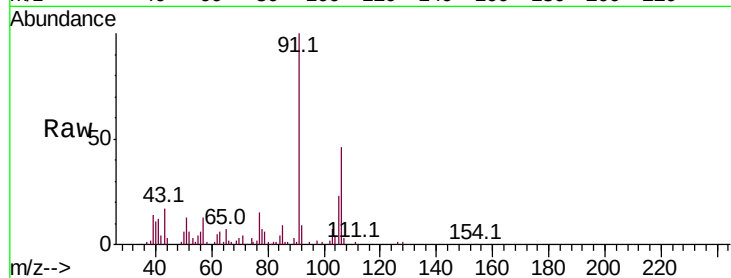
BP-VPB181-GW-878-880

Tot Ion:106 Resp: 35152

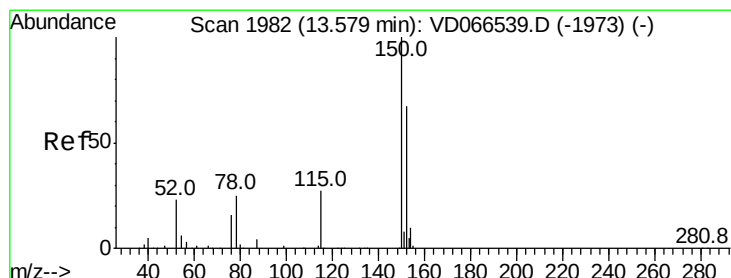
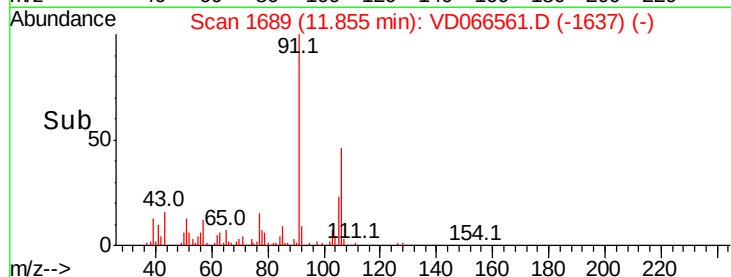
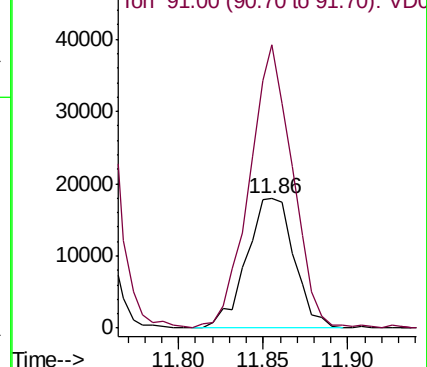
Ion Ratio Lower Upper

106 100

91 198.9 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): 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: VD066561.D

Acq: 04 Sep 2020 14:23

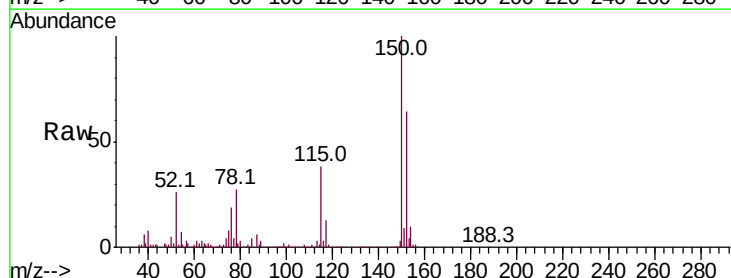
Tgt Ion:152 Resp: 227055

Ion Ratio Lower Upper

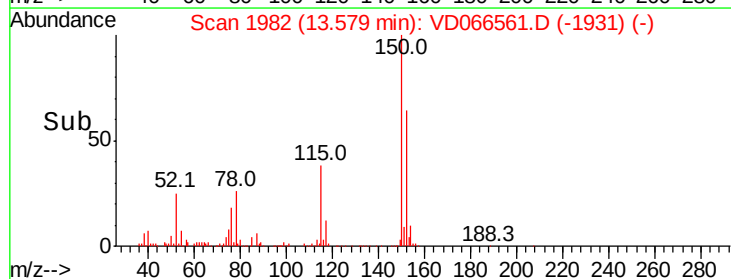
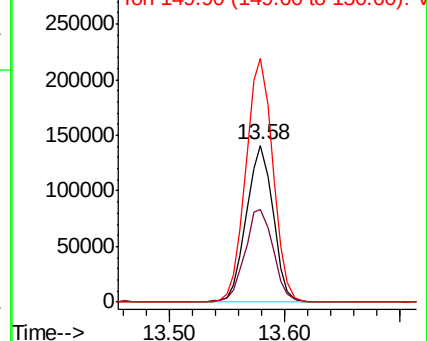
152 100

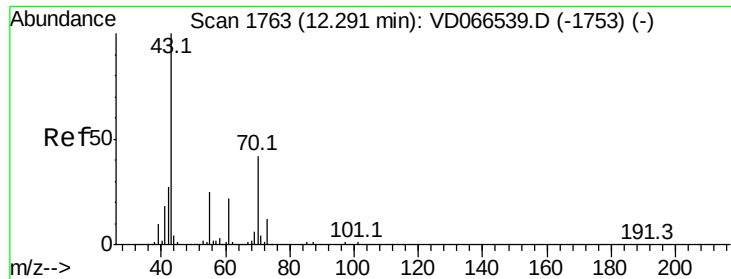
115 62.6 30.4 91.2

150 157.0 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V





#74

N-amvl acetate

Concen: 1.075 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB181-GW-878-880

Tot Ion: 43 Resp: 4092

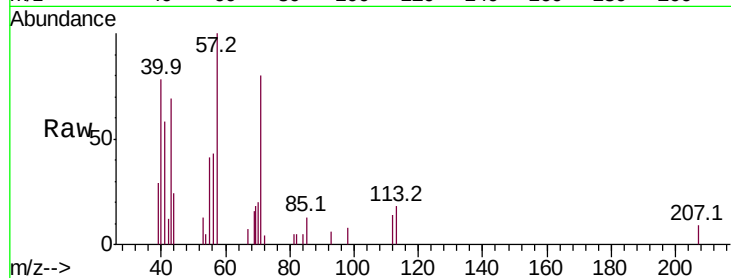
Ion Ratio Lower Upper

43 100

70 29.8 33.4 50.2#

55 0.0 20.1 30.1#

61 2.9 18.2 27.2#

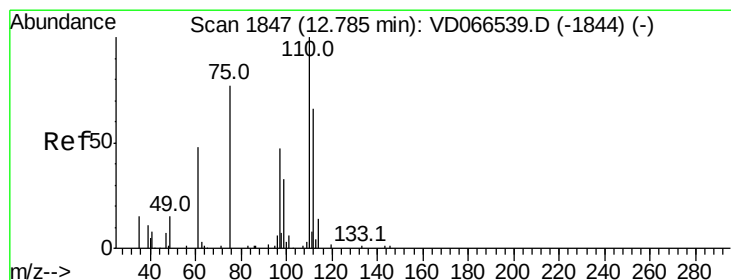
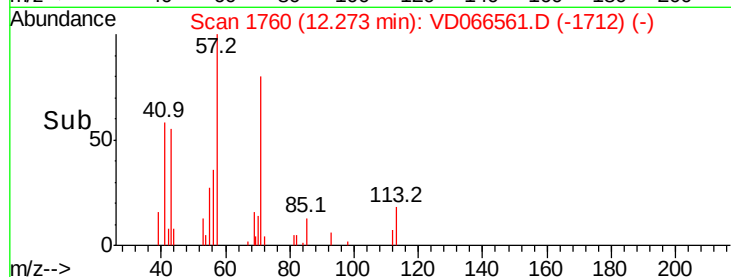
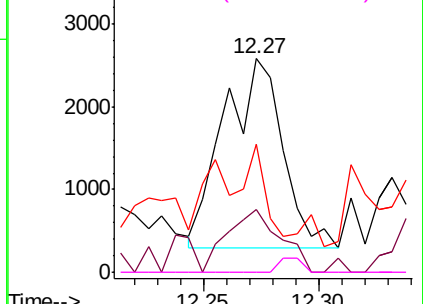


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 64.111 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066561.D

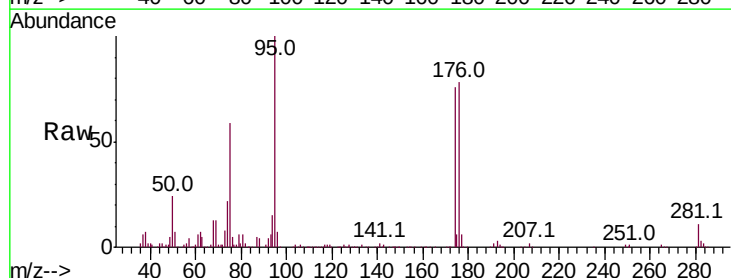
Acq: 04 Sep 2020 14:23

Tgt Ion: 75 Resp: 139997

Ion Ratio Lower Upper

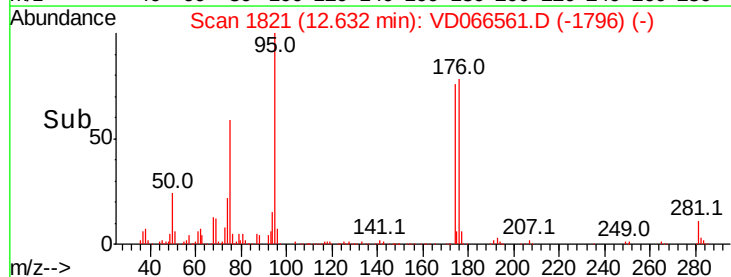
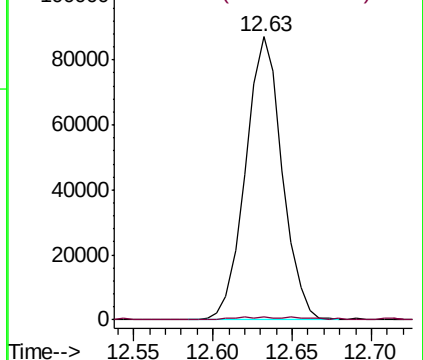
75 100

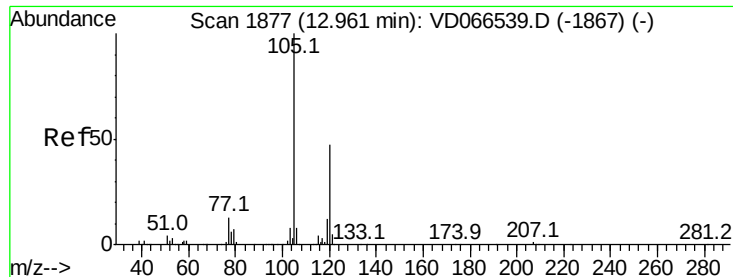
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

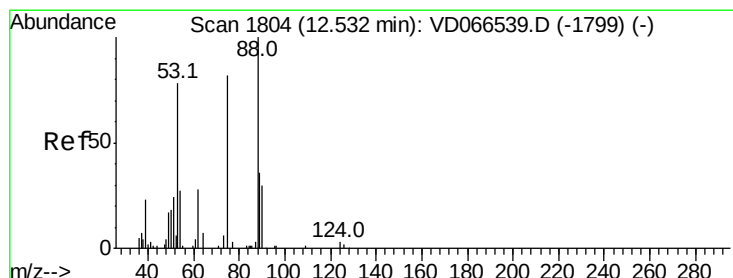
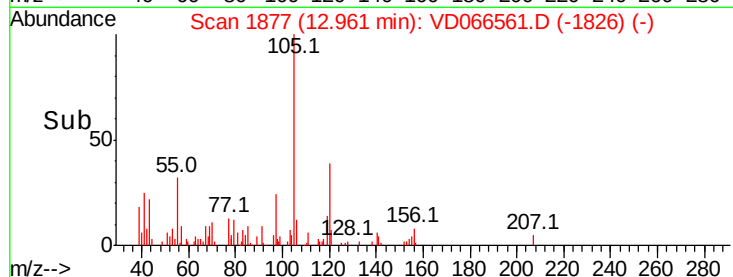
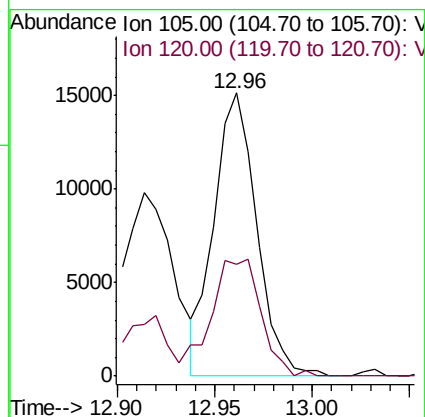
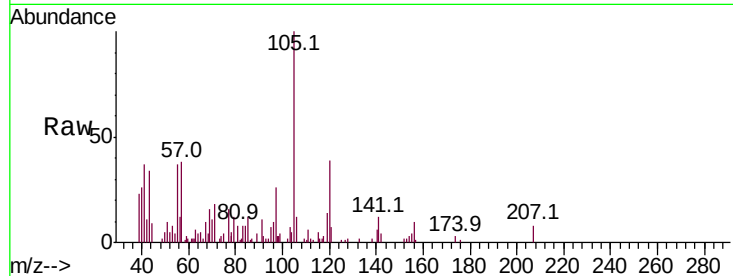




#80
 1,3,5-Trimethylbenzene
 Concen: 1.621 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066561.D
 Acq: 04 Sep 2020 14:23

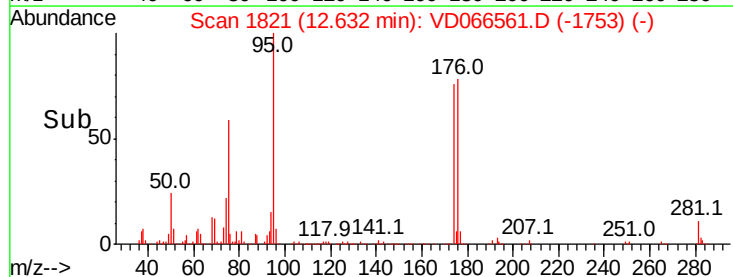
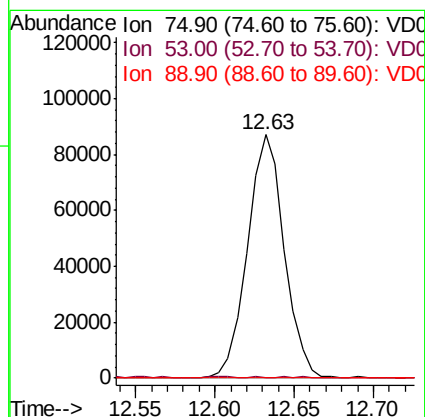
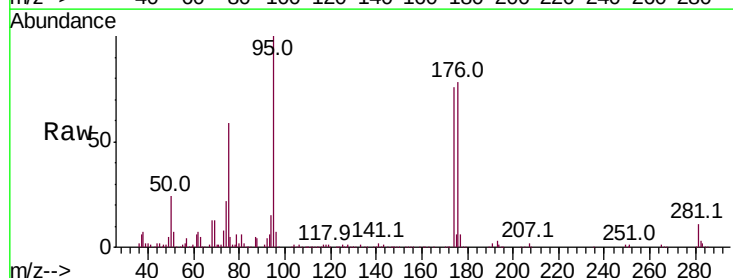
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB181-GW-878-880

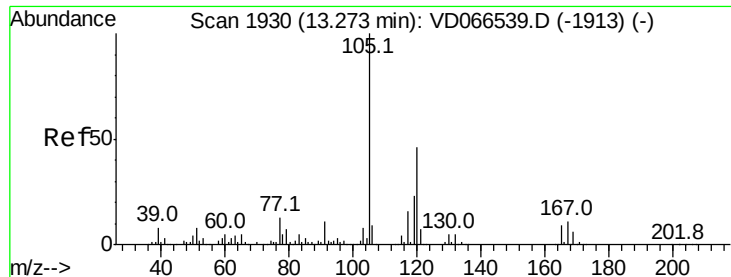
Tot Ion:105 Resp: 22932
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.9 71.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.677 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066561.D
 Acq: 04 Sep 2020 14:23

Tgt Ion: 75 Resp: 139997
 Ion Ratio Lower Upper
 75 100
 53 0.2 87.0 130.4#
 89 0.0 37.1 55.7#





#84

1,2,4-Trimethylbenzene

Concen: 4.267 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Instrument :

MSVOA_D

ClientSampleId :

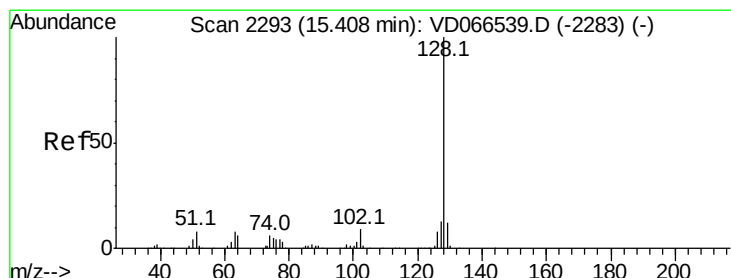
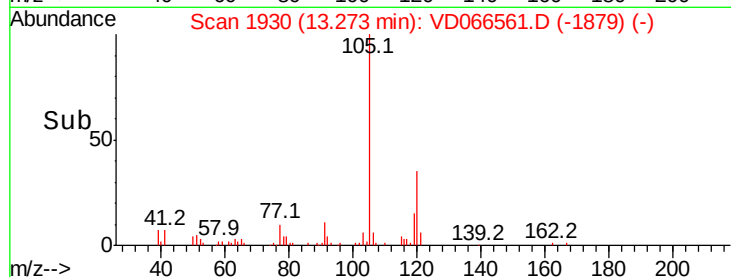
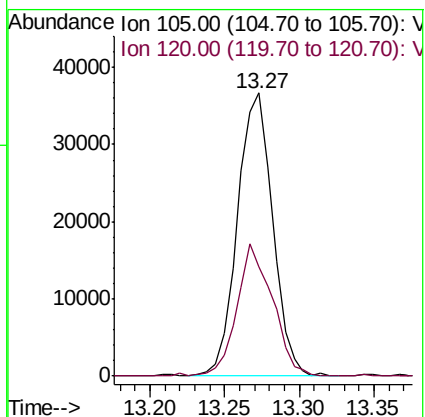
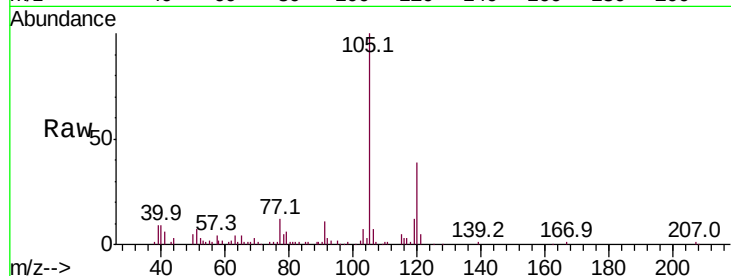
BP-VPB181-GW-878-880

Tot Ion:105 Resp: 60103

Ion Ratio Lower Upper

105 100

120 47.2 22.6 67.7



#95

Naphthalene

Concen: 43.981 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066561.D

Acq: 04 Sep 2020 14:23

Tgt Ion:128 Resp: 299965

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 11.3 9.1 13.7

