

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067214.D
 Acq On : 09 Oct 2020 16:22
 Operator : VA/SY
 Sample : L4332-01
 Misc : 6.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

Quant Time: Oct 10 00:43:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	330305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	496316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208212	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	166572	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	7.91	113	172882	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.34	98	629658	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.64	95	210615	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

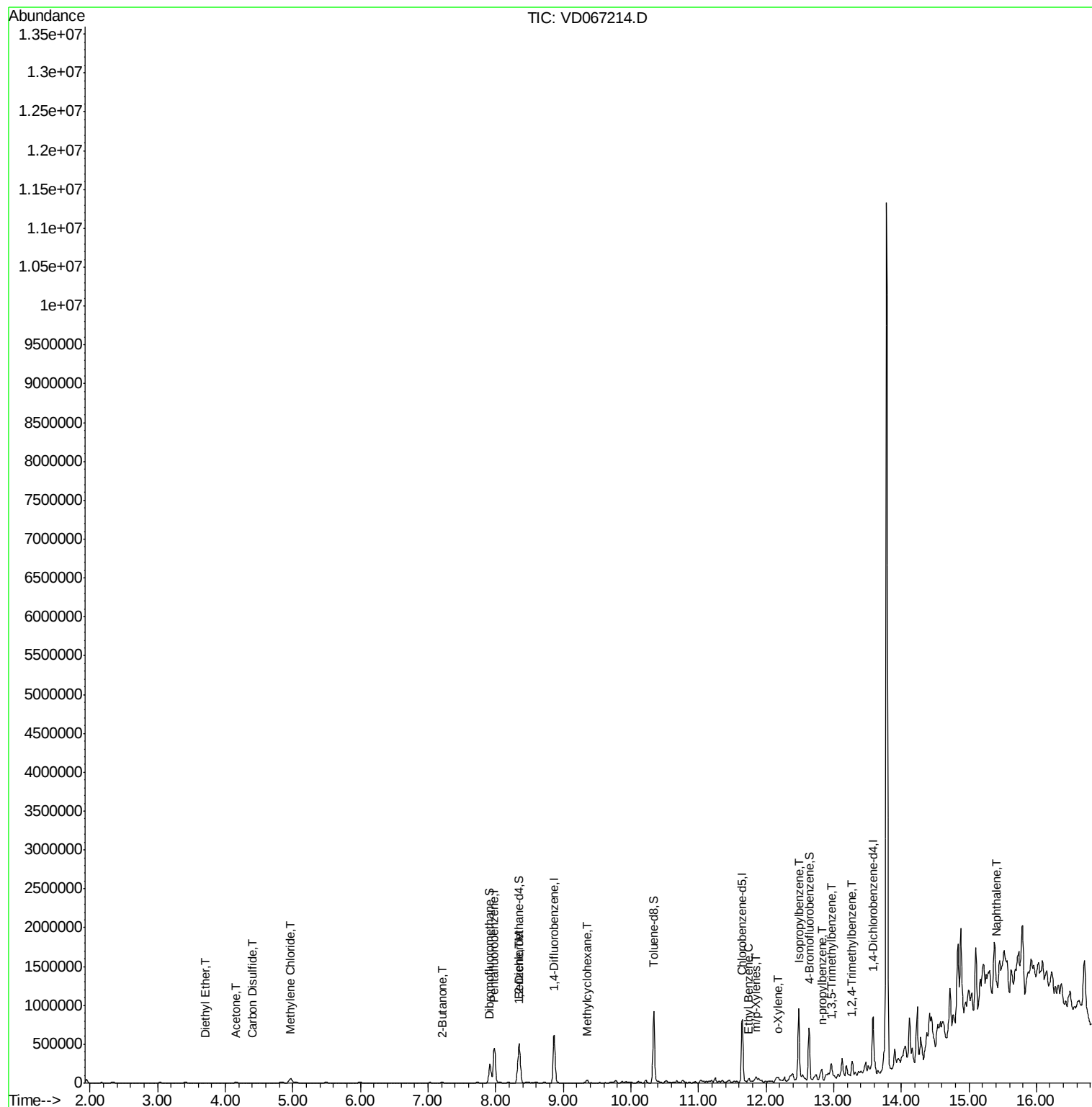
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2794	1.923	ug/l	69
16) Acetone	4.16	43	18360	37.805	ug/l	91
17) Carbon Disulfide	4.40	76	11506	1.204	ug/l	99
20) Methylene Chloride	4.97	84	47662	7.671	ug/l	93
25) 2-Butanone	7.21	43	5893	8.559	ug/l #	72
39) Methylcyclohexane	9.36	83	15723	2.927	ug/l	94
40) Benzene	8.35	78	419045	29.697	ug/l	95
67) Ethyl Benzene	11.74	91	27513	1.627	ug/l	97
68) m/p-Xylenes	11.86	106	18802	2.853	ug/l	92
69) o-Xylene	12.18	106	10088	1.711	ug/l	64
73) Isopropylbenzene	12.48	105	621915	43.989	ug/l	100
78) n-propylbenzene	12.83	91	105274	6.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	59004	4.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	116466	9.770	ug/l	97
95) Naphthalene	15.41	128	142020	22.668	ug/l #	87

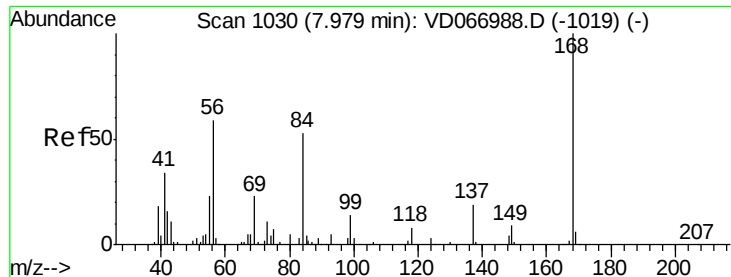
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

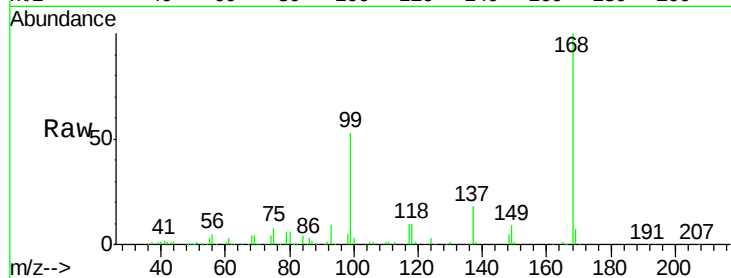
SHELL-L15-L14

Tot Ion:168 Resp: 330305

Ion Ratio Lower Upper

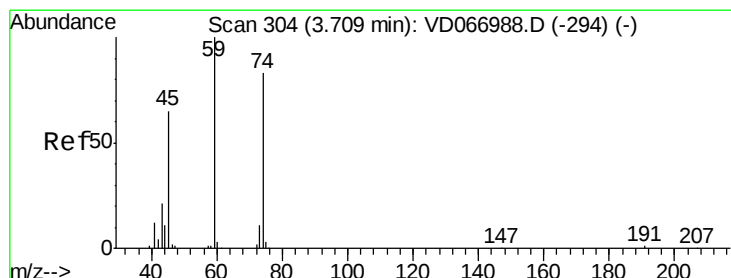
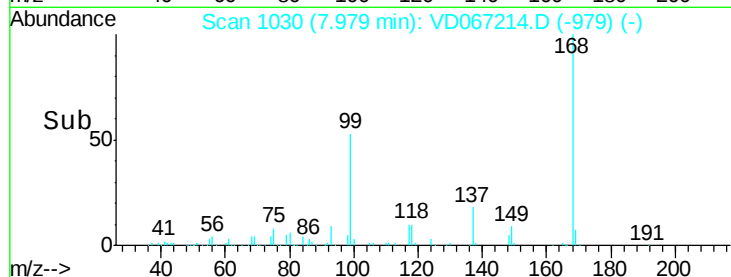
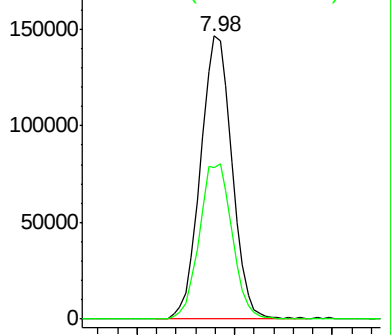
168 100

99 53.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.923 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067214.D

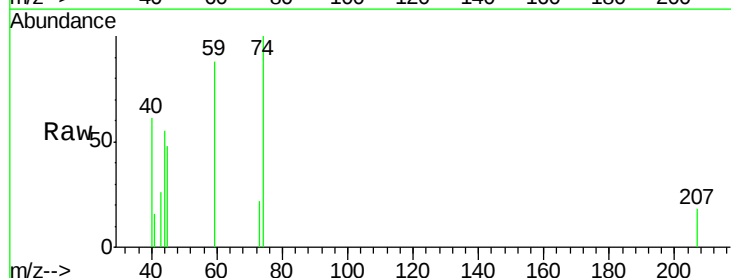
Acq: 09 Oct 2020 16:22

Tgt Ion: 74 Resp: 2794

Ion Ratio Lower Upper

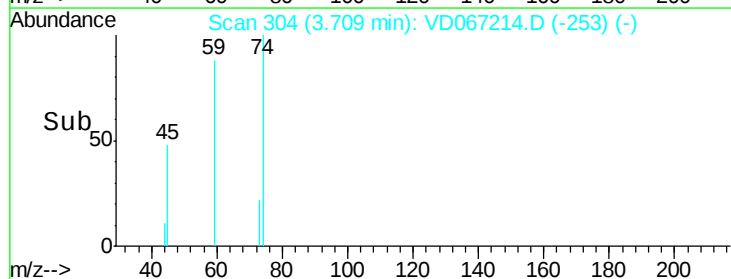
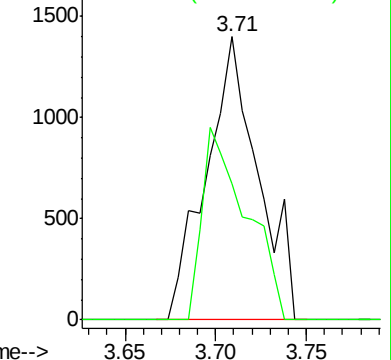
74 100

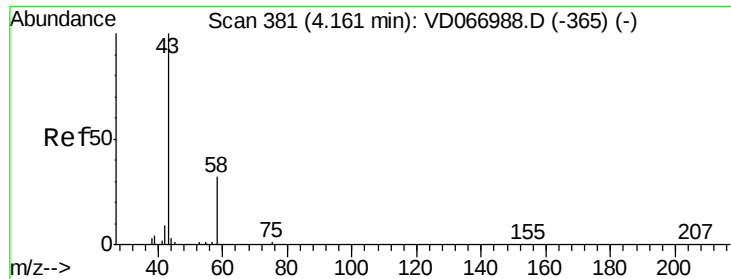
45 57.9 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 37.805 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

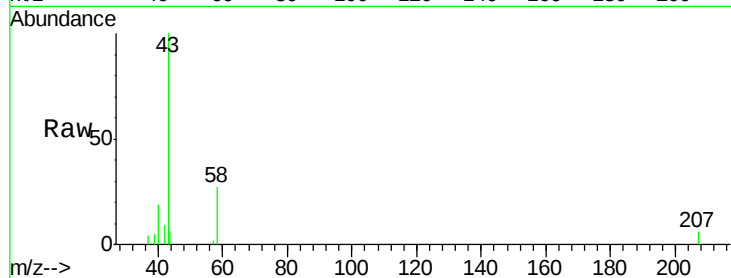
SHELL-L15-L14

Tot Ion: 43 Resp: 18360

Ion Ratio Lower Upper

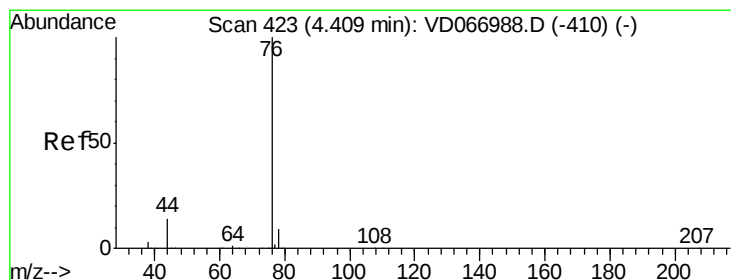
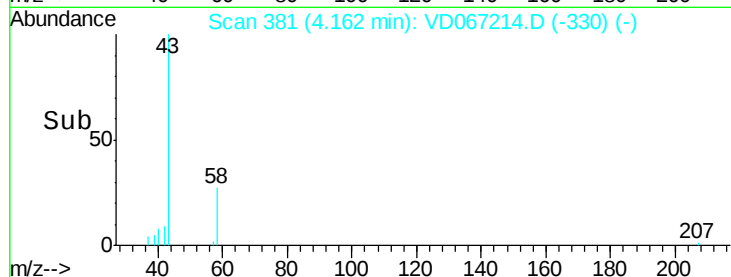
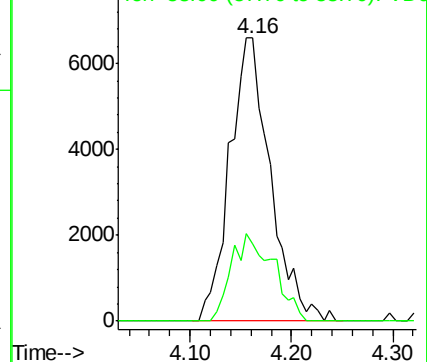
43 100

58 27.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.204 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067214.D

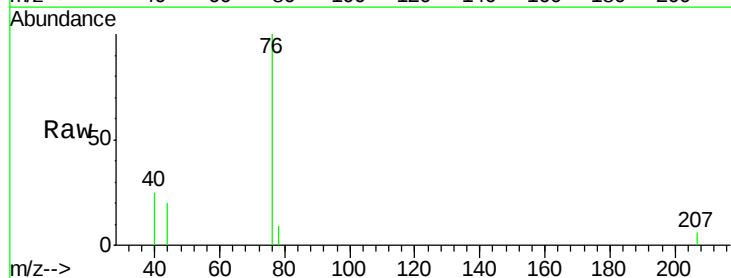
Acq: 09 Oct 2020 16:22

Tgt Ion: 76 Resp: 11506

Ion Ratio Lower Upper

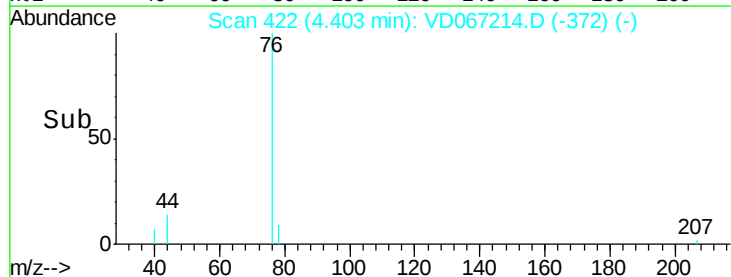
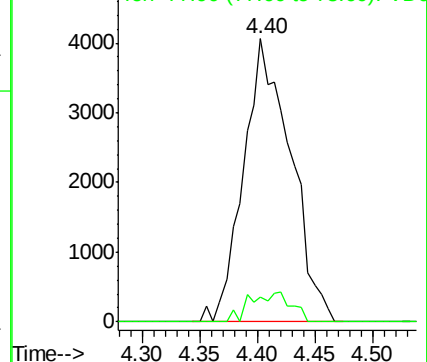
76 100

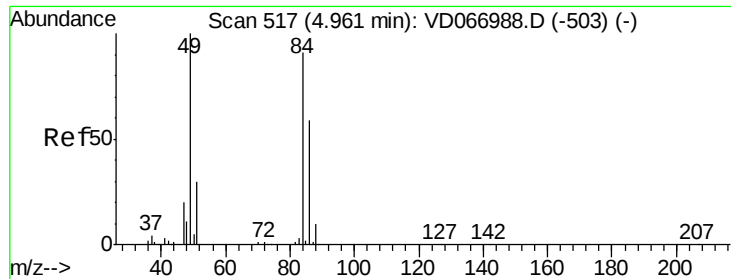
78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

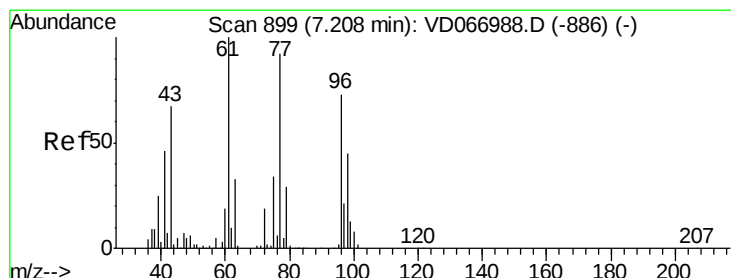
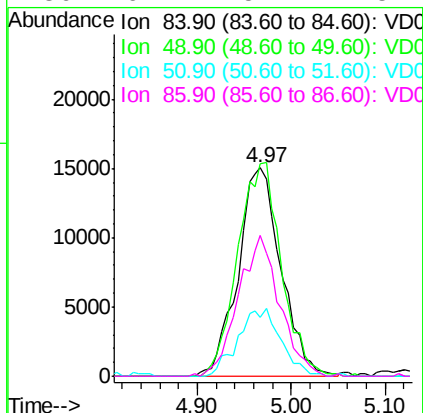
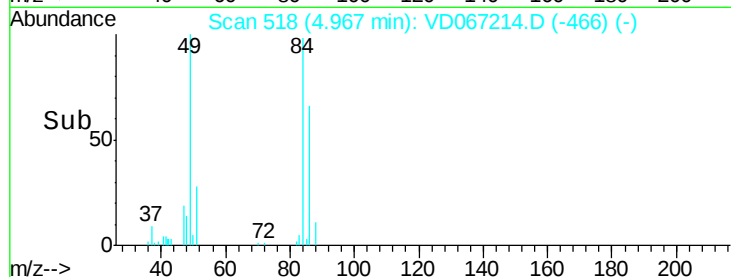
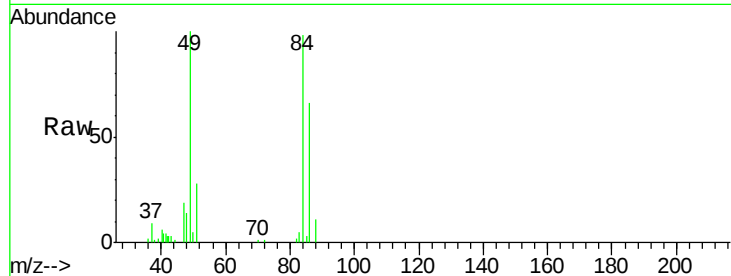




#20
Methvlene Chloride
Concen: 7.671 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

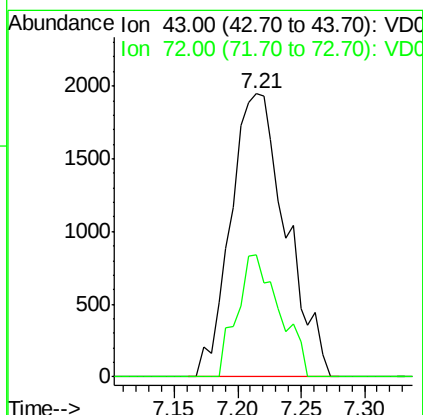
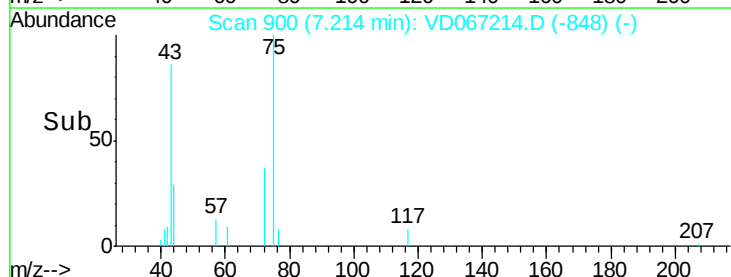
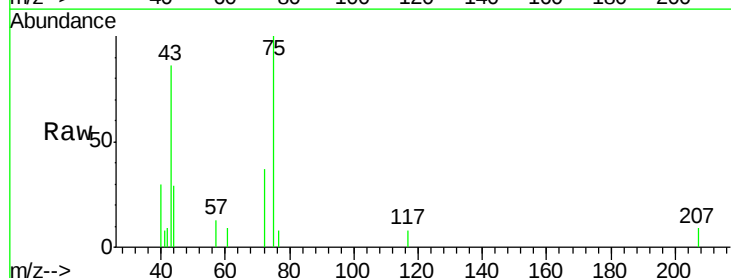
Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

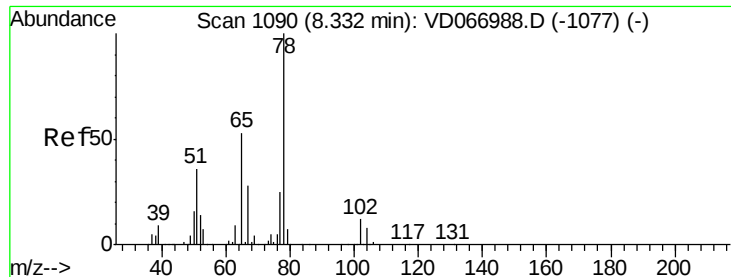
Tot Ion:	84	Resp:	47662
Ion	Ratio	Lower	Upper
84	100		
49	101.7	88.2	132.2
51	28.0	26.6	39.8
86	67.4	52.1	78.1



#25
2-Butanone
Concen: 8.559 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion:	43	Resp:	5893
Ion	Ratio	Lower	Upper
43	100		
72	43.2	22.8	34.2#

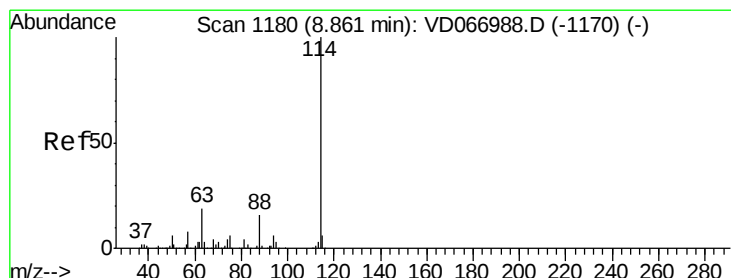
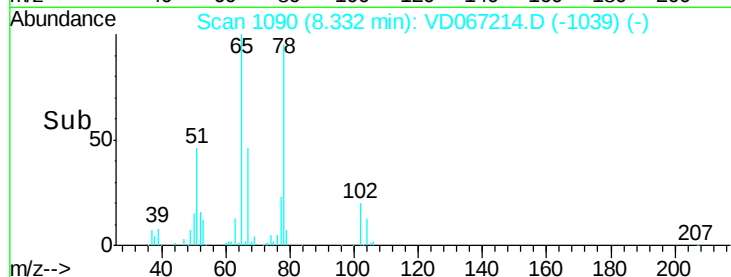
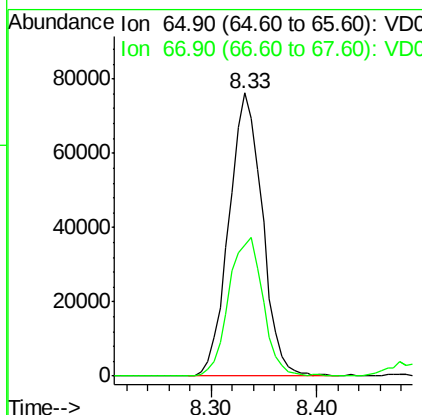
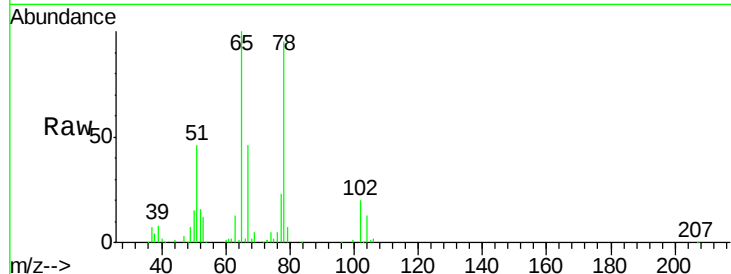




#33
 1,2-Dichloroethane-d4
 Concen: 52.357 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

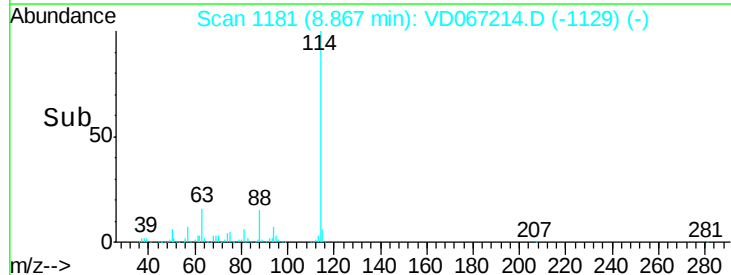
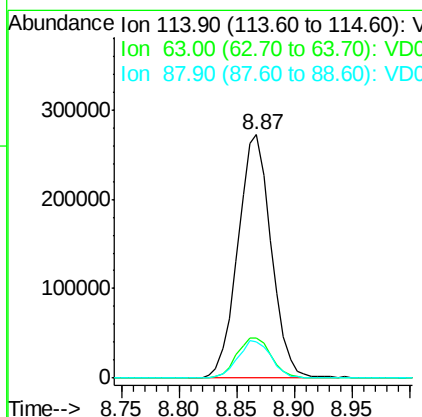
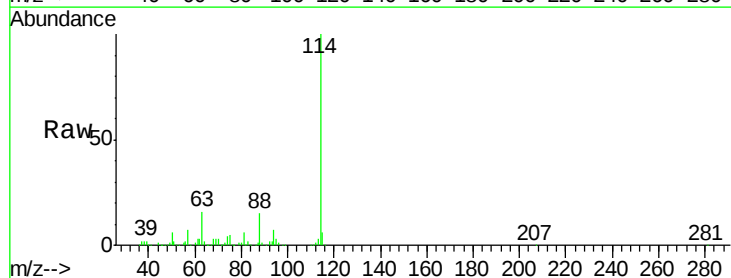
Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

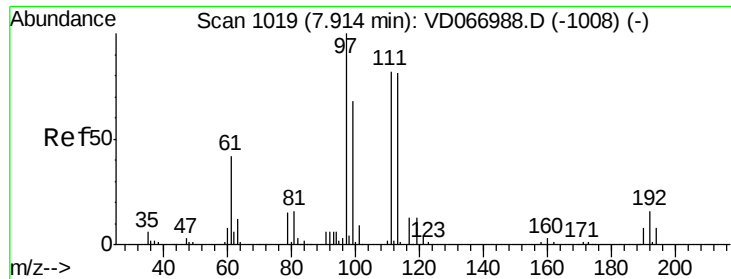
Tot Ion: 65 Resp: 166572
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Tgt Ion: 114 Resp: 545024
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 38.4
 88 14.8 0.0 31.2

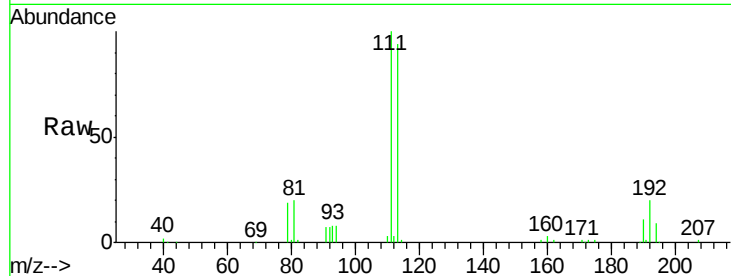




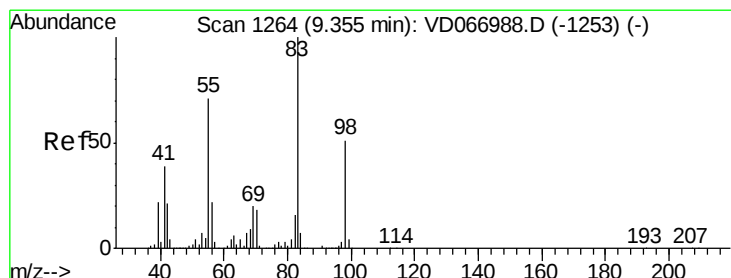
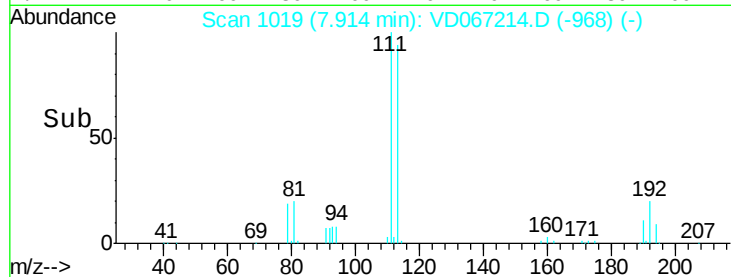
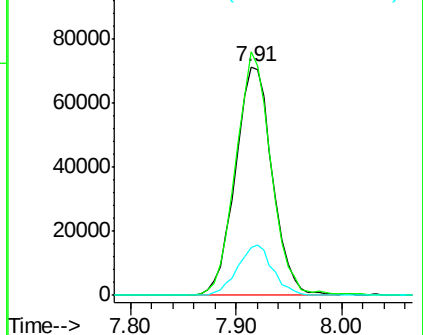
#35
Dibromofluoromethane
Concen: 48.451 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.0	124.4
192	20.9	15.5	23.3

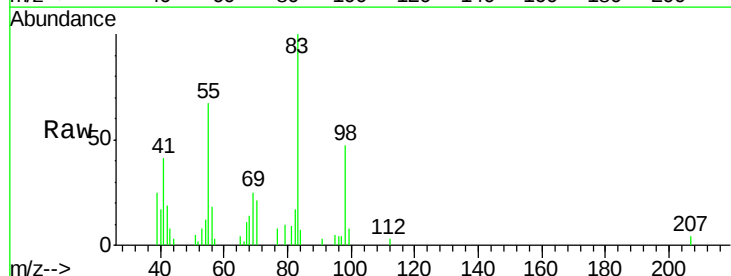


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

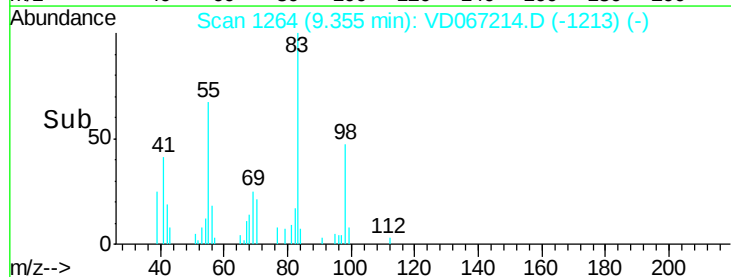
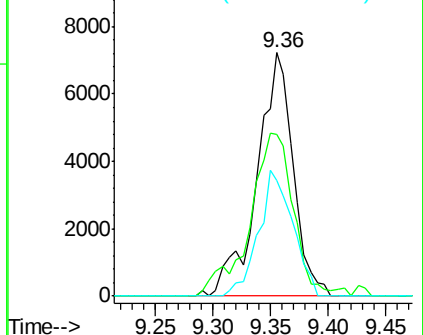


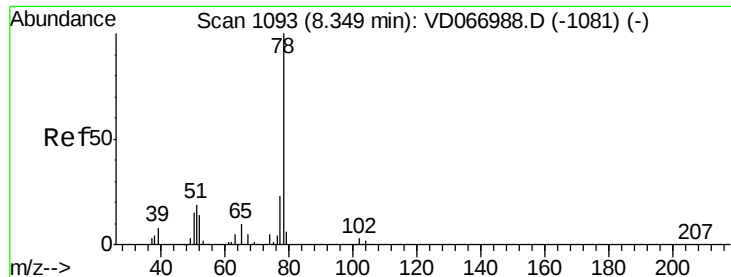
#39
Methylcyclohexane
Concen: 2.927 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	66.7	57.1	85.7
98	47.3	40.9	61.3



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 29.697 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

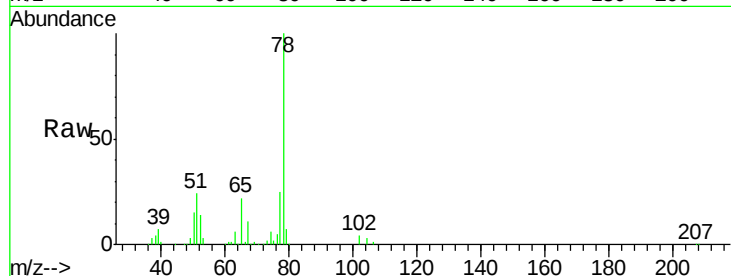
SHELL-L15-L14

Tot Ion: 78 Resp: 419045

Ion Ratio Lower Upper

78 100

77 25.4 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.35

200000

150000

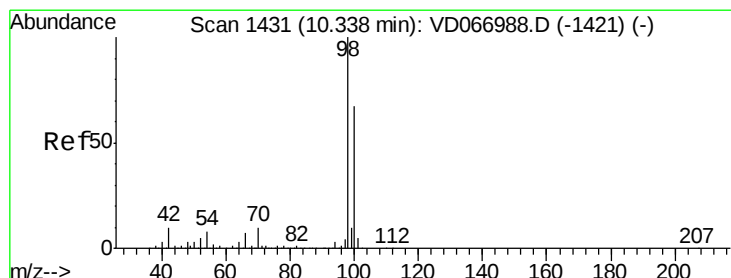
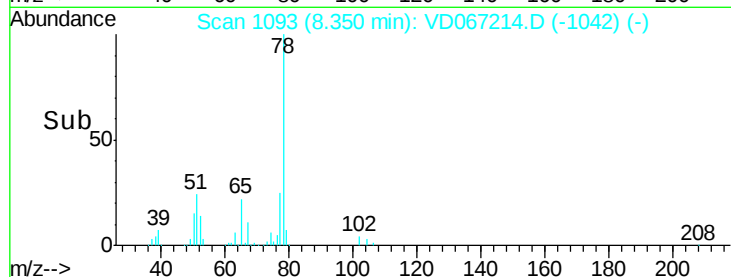
100000

50000

0

8.30 8.40

Time-->



#50

Toluene-d8

Concen: 48.428 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067214.D

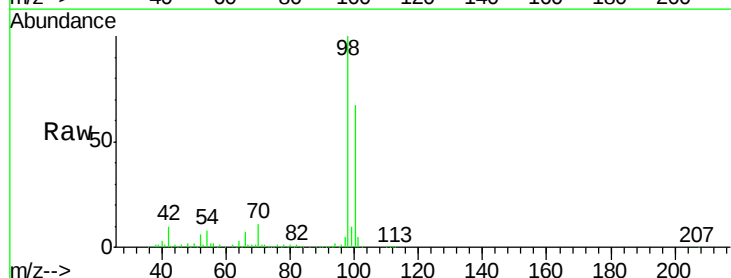
Acq: 09 Oct 2020 16:22

Tgt Ion: 98 Resp: 629658

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

300000

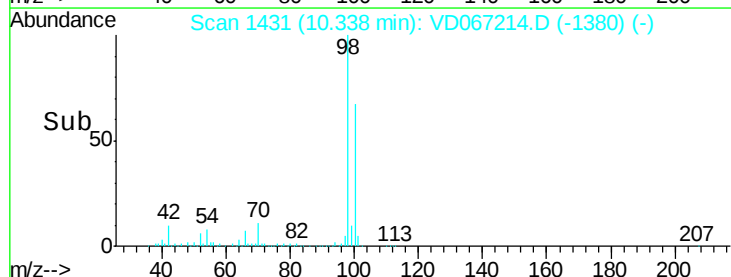
200000

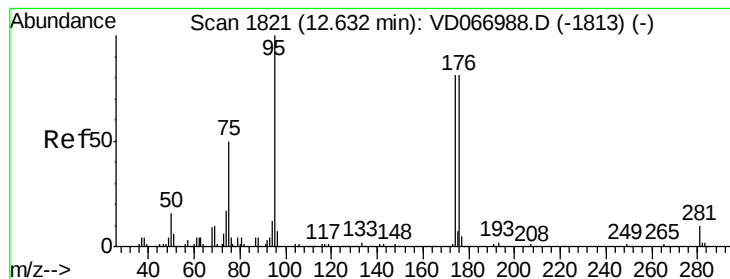
100000

0

10.20 10.30 10.40 10.50

Time-->





#62

4-Bromofluorobenzene

Concen: 47.717 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

SHELL-L15-L14

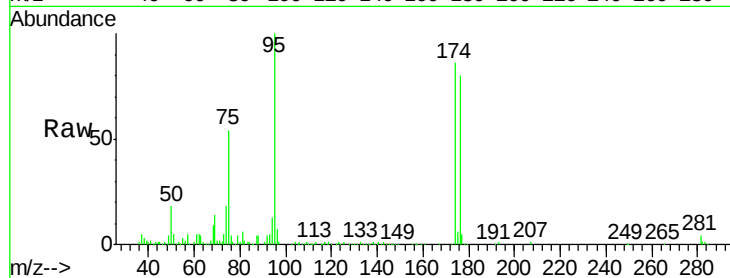
Tot Ion: 95 Resp: 210615

Ion Ratio Lower Upper

95 100

174 86.5 0.0 167.6

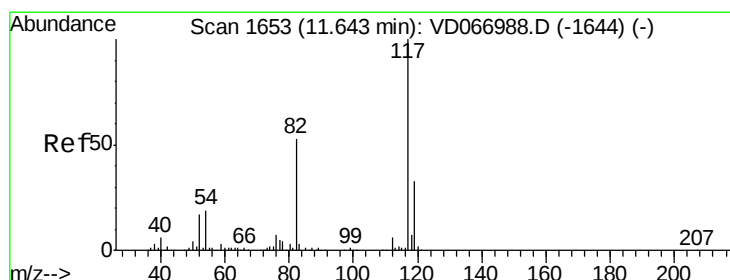
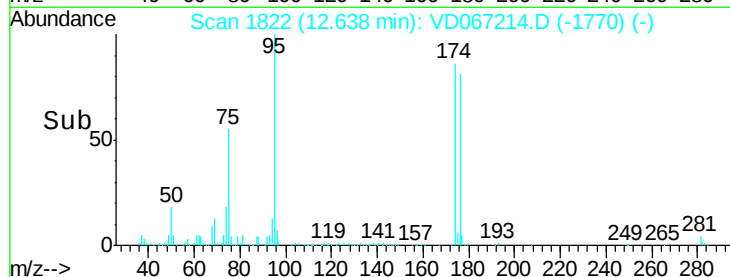
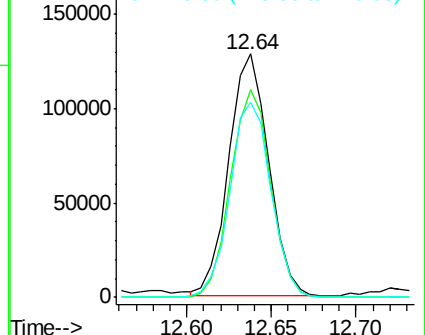
176 83.0 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

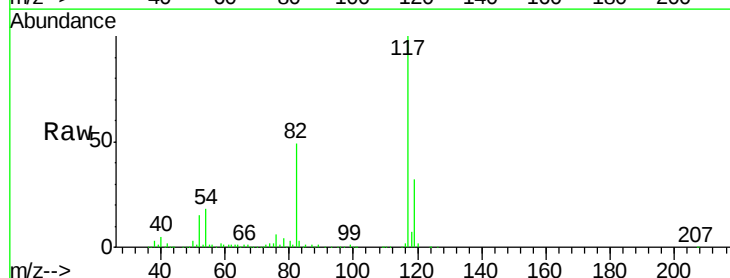
Tgt Ion: 117 Resp: 496316

Ion Ratio Lower Upper

117 100

82 49.3 42.6 63.8

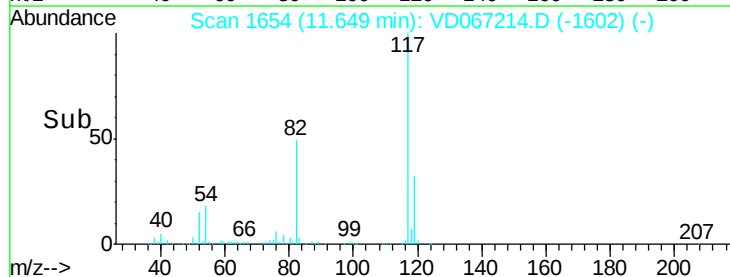
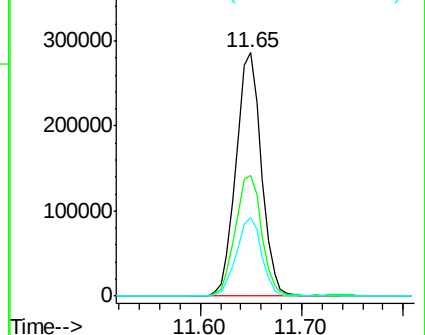
119 32.3 26.3 39.5

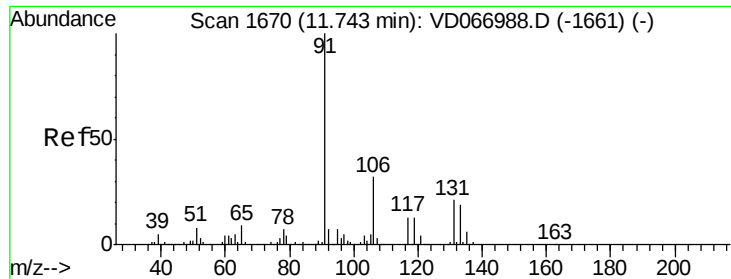


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

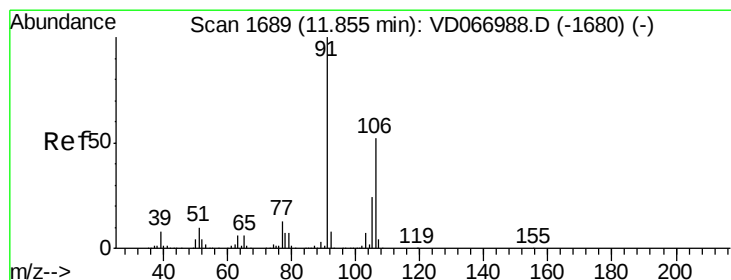
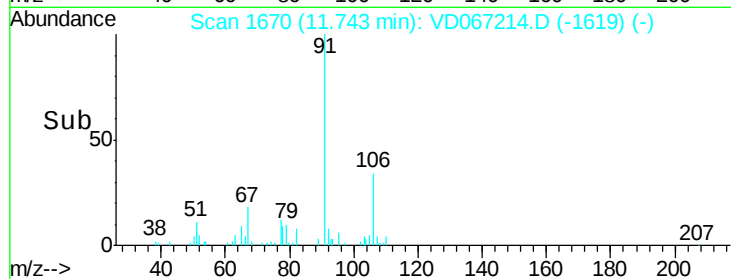
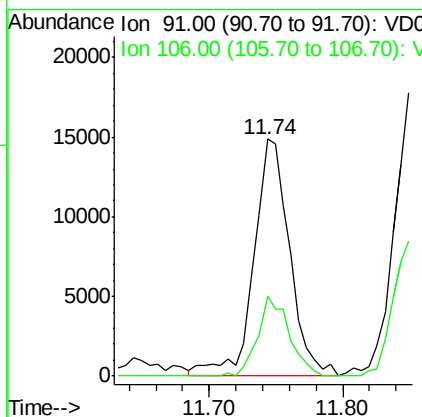
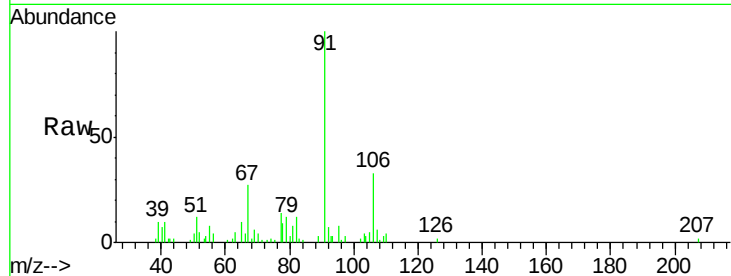




#67
Ethyl Benzene
Concen: 1.627 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

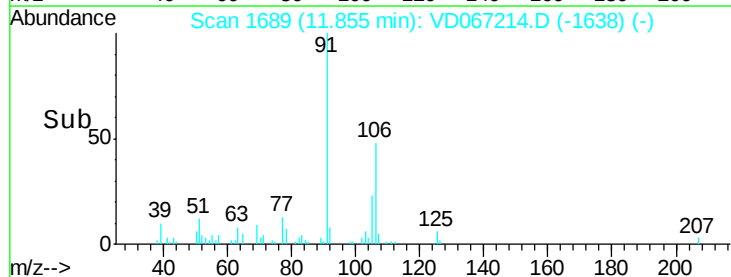
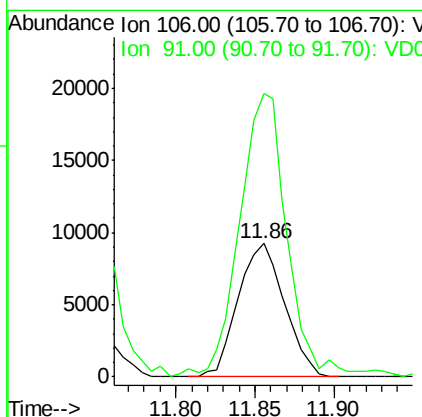
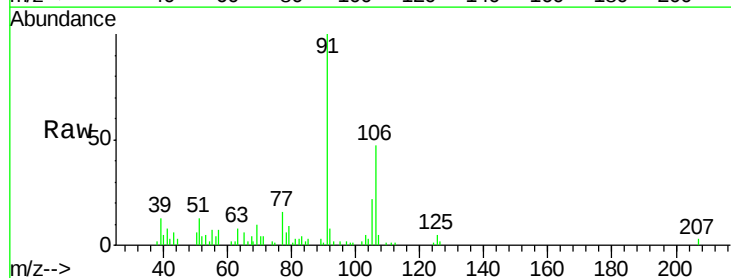
Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

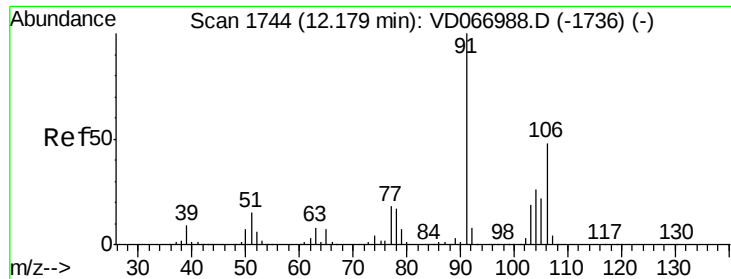
Tot Ion: 91 Resp: 27513
Ion Ratio Lower Upper
91 100
106 33.5 25.4 38.2



#68
m/p-Xylenes
Concen: 2.853 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion: 106 Resp: 18802
Ion Ratio Lower Upper
106 100
91 210.2 158.4 237.6

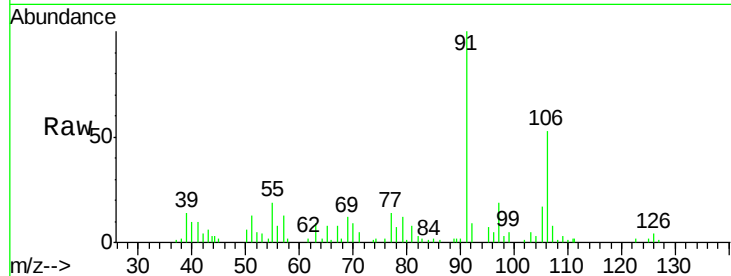




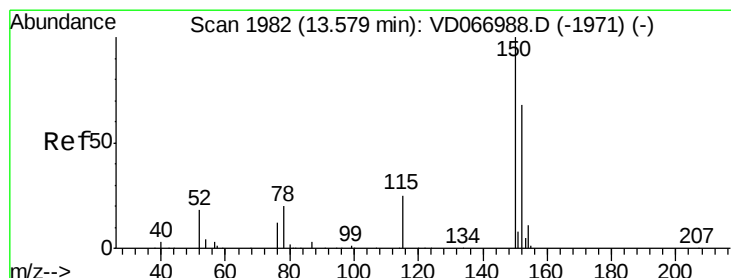
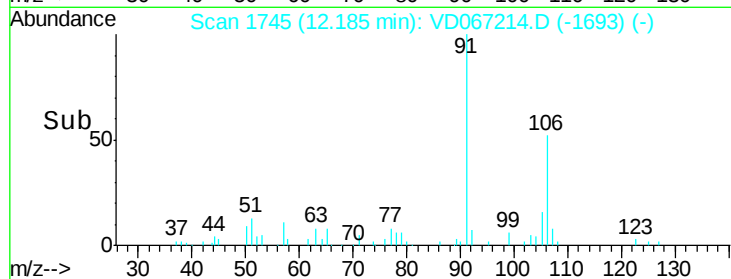
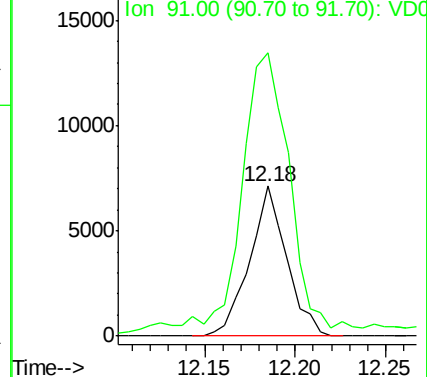
#69
o-Xylene
Concen: 1.711 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

Tot Ion:106 Resp: 10088
Ion Ratio Lower Upper
106 100
91 259.9 102.4 307.2

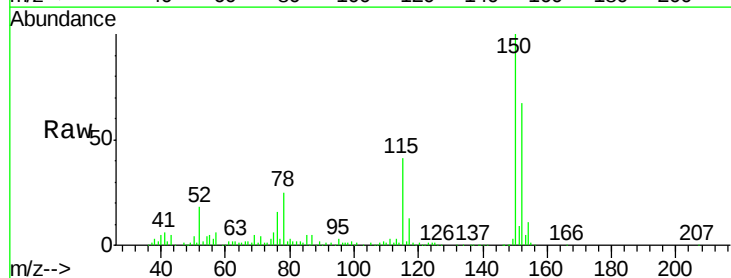


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

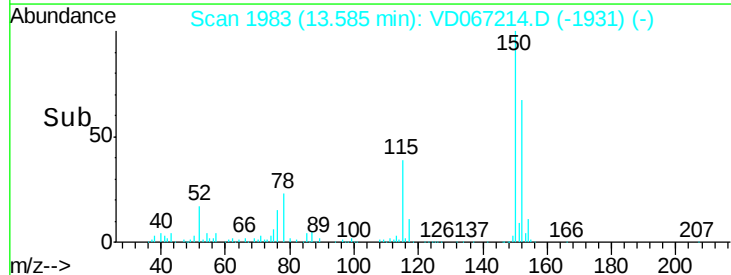
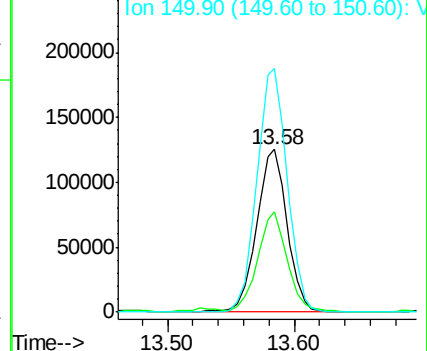


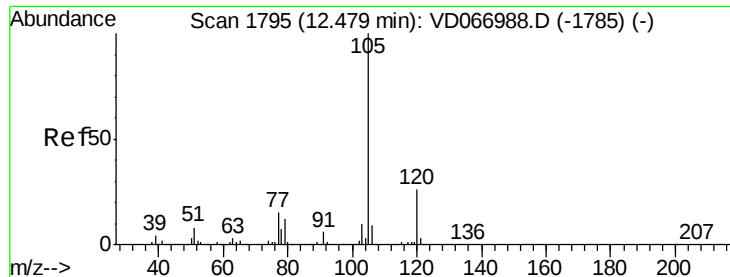
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion:152 Resp: 208212
Ion Ratio Lower Upper
152 100
115 59.8 29.6 88.8
150 150.1 0.0 344.8



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





#73

Isopropylbenzene

Concen: 43.989 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

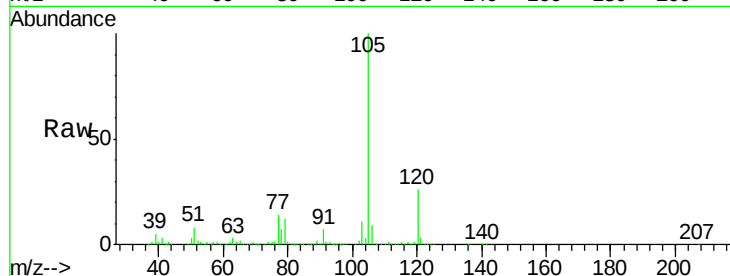
SHELL-L15-L14

Tot Ion:105 Resp: 621915

Ion Ratio Lower Upper

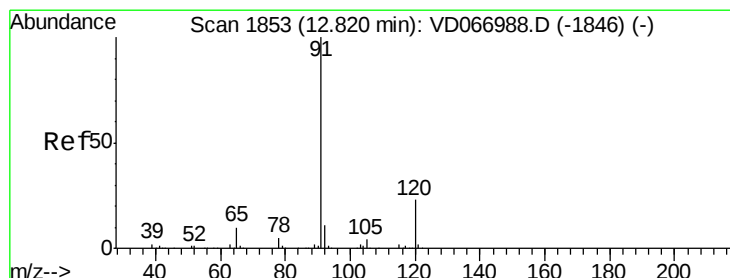
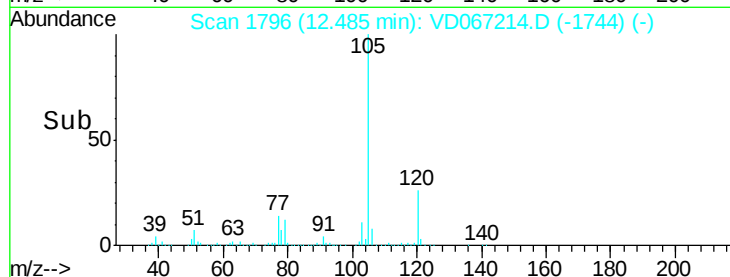
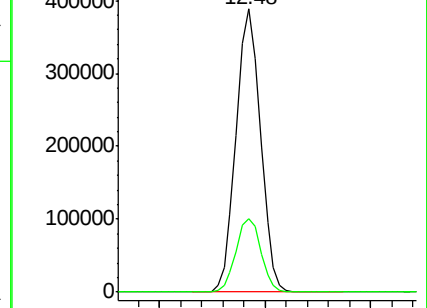
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.301 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067214.D

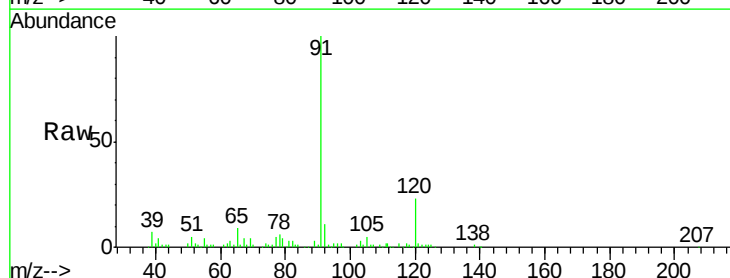
Acq: 09 Oct 2020 16:22

Tgt Ion: 91 Resp: 105274

Ion Ratio Lower Upper

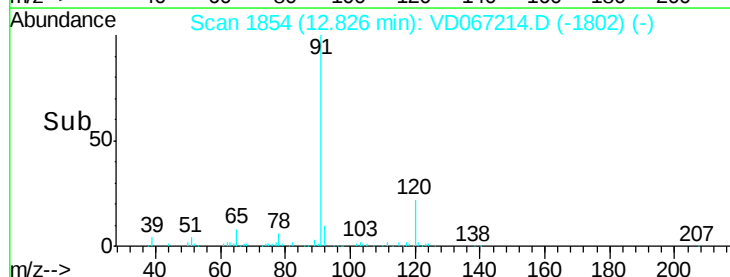
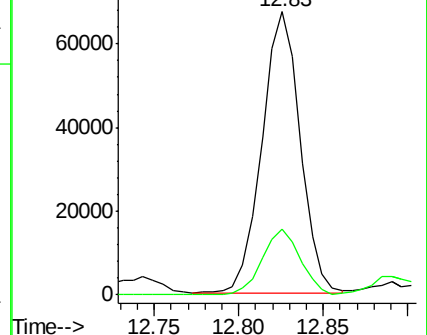
91 100

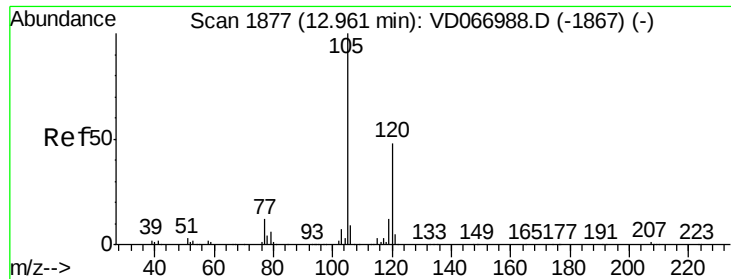
120 23.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

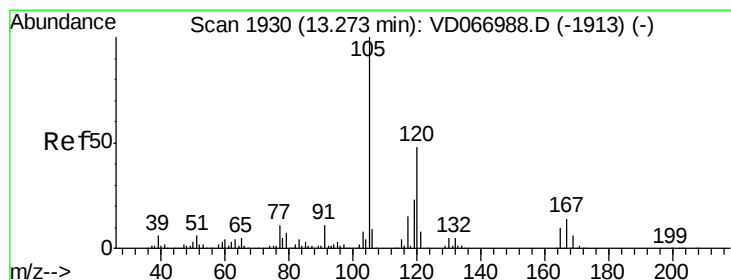
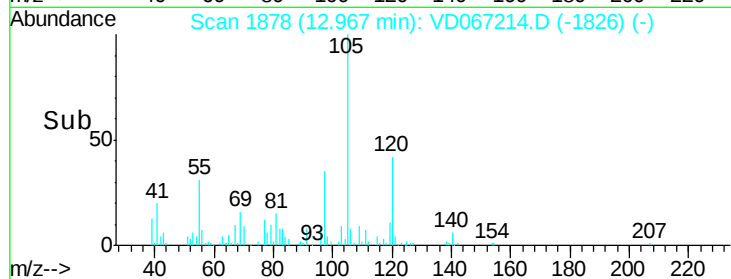
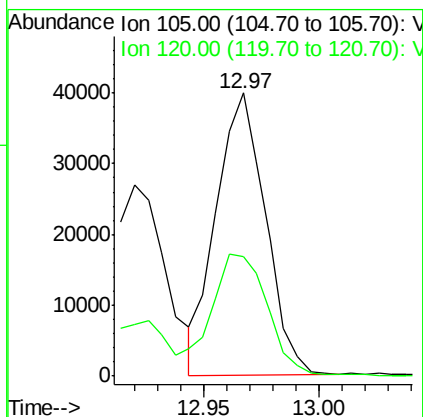
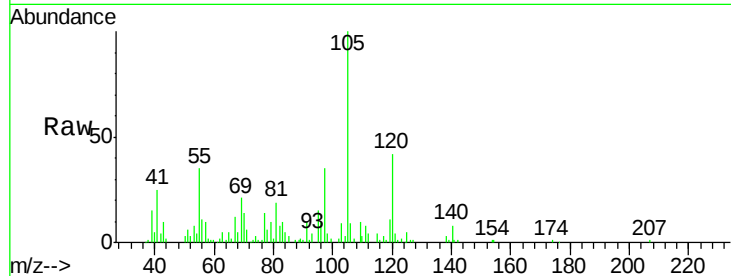




#80
 1,3,5-Trimethylbenzene
 Concen: 4.940 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

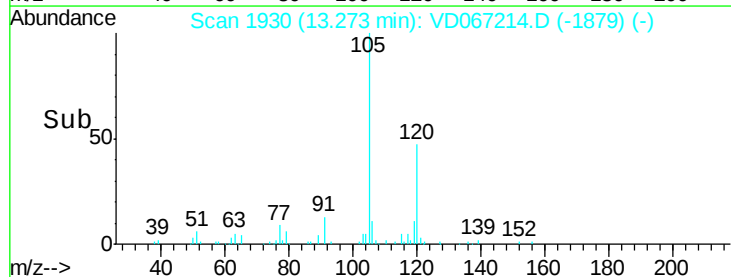
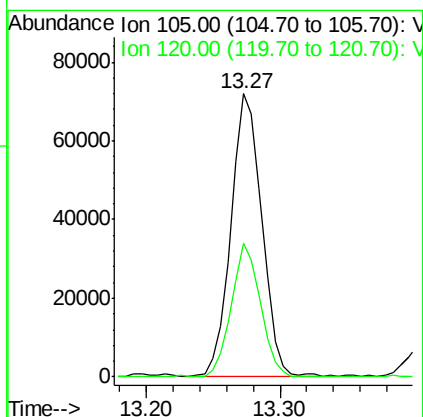
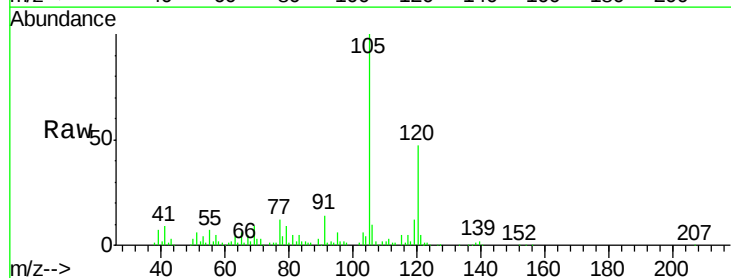
Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

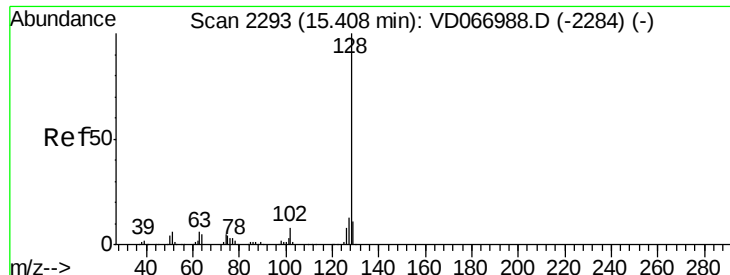
Tot Ion:105 Resp: 59004
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.6 74.0



#84
 1,2,4-Trimethylbenzene
 Concen: 9.770 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Tgt Ion:105 Resp: 116466
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.3 69.8





#95

Naphthalene

Concen: 22.668 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

SHELL-L15-L14

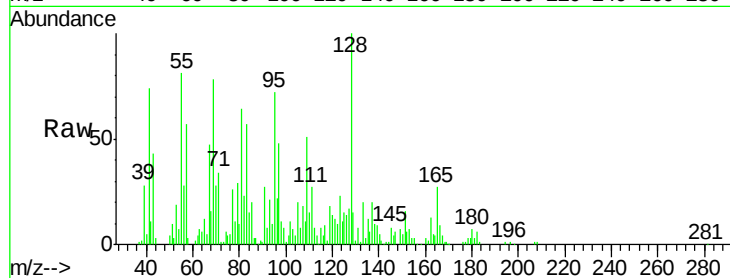
Tot Ion:128 Resp: 142020

Ion Ratio Lower Upper

128 100

127 19.7 10.3 15.5#

129 14.2 8.6 13.0#



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

