

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 09 23:47:10 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

33) 1,2-Dichloroethane-d4	8.33	65	166572	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.91	113	172882	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.34	98	629658	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.64	95	210615	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	280	Below Cal	#	40
5) Bromomethane	2.78	94	245	Below Cal	#	3
8) Diethyl Ether	3.71	74	2794	1.923	ug/l	69
11) Tert butyl alcohol	5.21	59	830	Below Cal	#	72
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
26) 2,2-Dichloropropane	7.21	77	240	Below Cal	#	53
31) Cyclohexane	7.98	56	15491	3.242	ug/l #	77
36) 1,1-Dichloropropene	7.98	75	23095	4.546	ug/l #	50
37) Ethyl Acetate	7.21	43	5893	3.348	ug/l #	66
38) Carbon Tetrachloride	7.98	117	35180	6.400	ug/l #	14
39) Methylcyclohexane	9.36	83	15723	2.927	ug/l	94
40) Benzene	8.35	78	419045	29.697	ug/l	95
42) 1,2-Dichloroethane	8.35	62	5307	1.346	ug/l	74
51) 4-Methyl-2-Pentanone	10.12	43	7719	4.780	ug/l #	37
55) 1,1,2-Trichloroethane	10.78	97	5508	2.079	ug/l #	25
59) 2-Hexanone	10.96	43	5332	4.947	ug/l #	23
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
74) N-ethyl acetate	12.27	43	11503	4.526	ug/l #	69
76) 1,2,3-Trichloropropane	12.64	75	107259	59.142	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
81) trans-1,4-Dichloro-2-buten	12.48	75	7545	10.372	ug/l #	62
83) tert-Butylbenzene	13.47	119	20772	2.065	ug/l	71
84) 1,2,4-Trimethylbenzene	13.27	105	116466	9.770	ug/l	97
85) sec-Butylbenzene	13.41	105	14558	1.028	ug/l #	62
86) p-Isopropyltoluene	13.53	119	19693	1.500	ug/l #	75
89) n-Butylbenzene	13.78	91	1069245	89.087	ug/l #	42
90) Hexachloroethane	14.12	117	29442	12.799	ug/l #	13

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

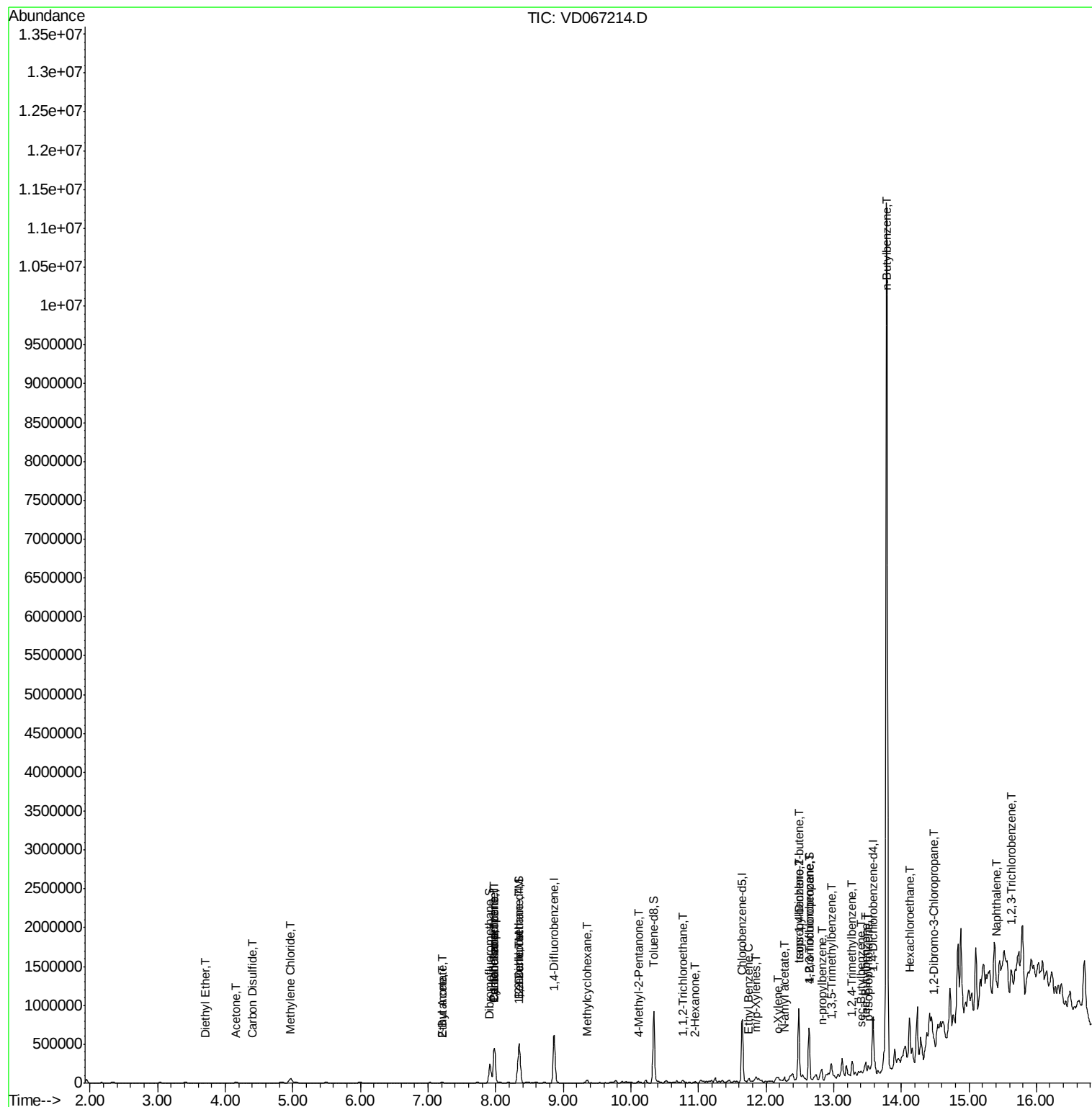
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.49	75	581	1.513	ug/l #	25
95) Naphthalene	15.41	128	142020	22.668	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.63	180	10825	3.320	ug/l #	13

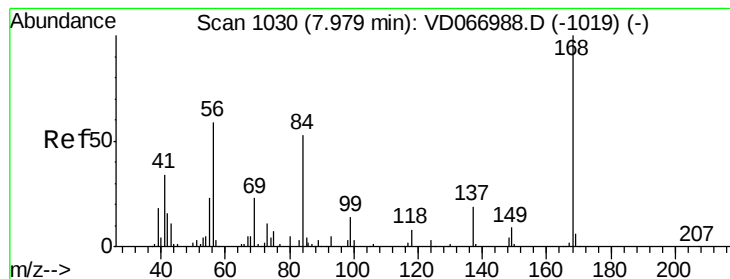
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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#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 :

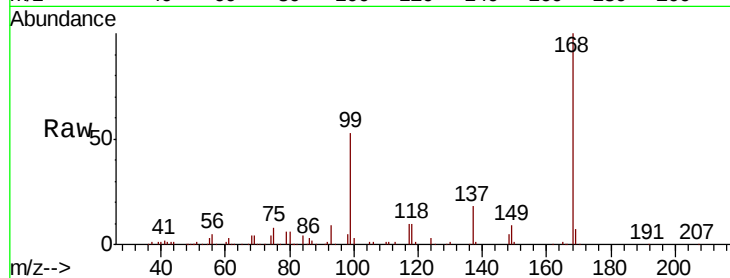
SHELL-L15-L14

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

7.98

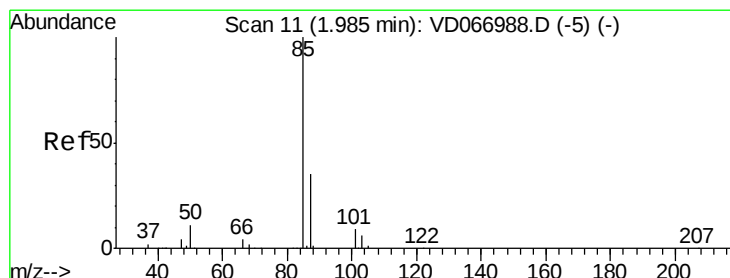
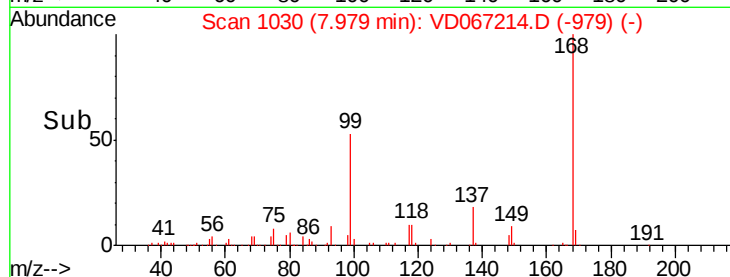
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067214.D

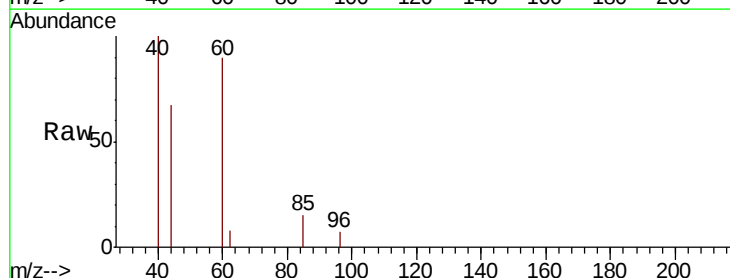
Acq: 09 Oct 2020 16:22

Tgt Ion: 85 Resp: 280

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

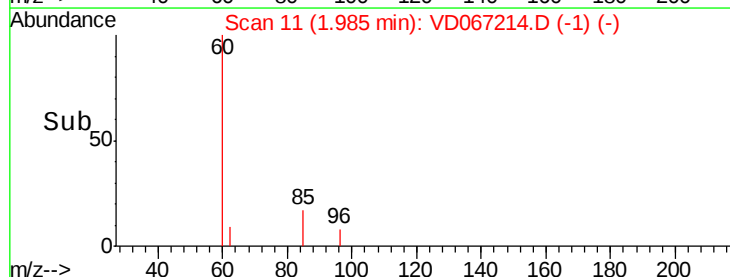
300

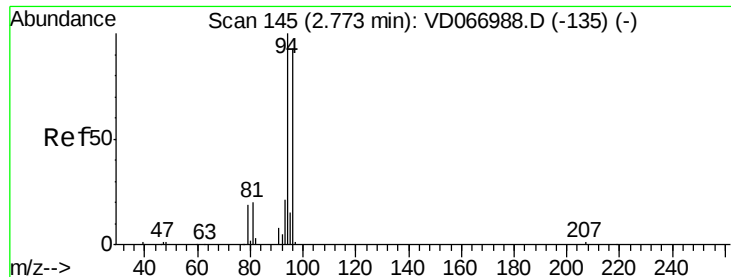
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

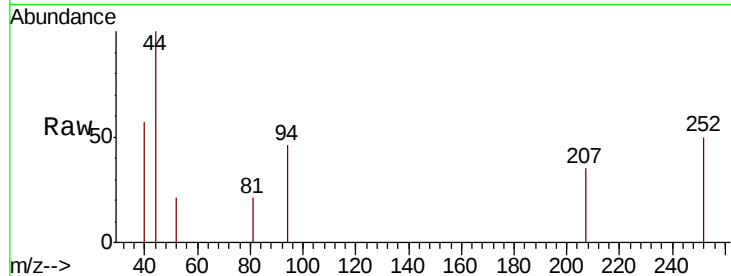
SHELL-L15-L14

Tot Ion: 94 Resp: 245

Ion Ratio Lower Upper

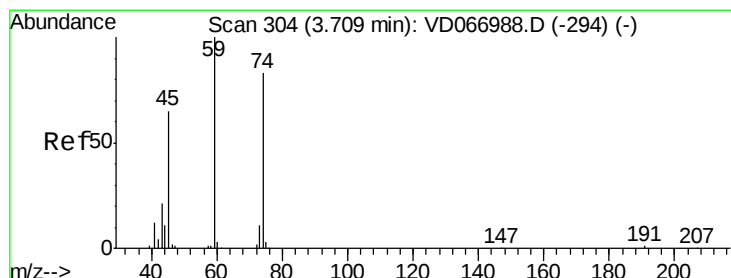
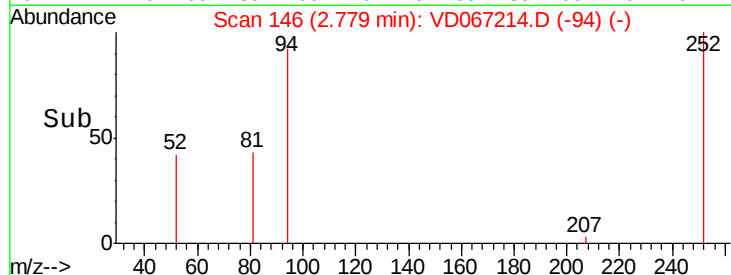
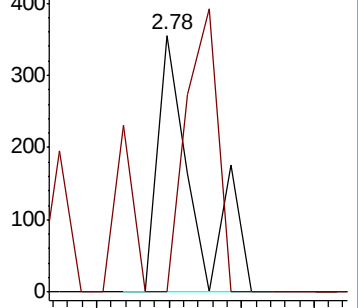
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): 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

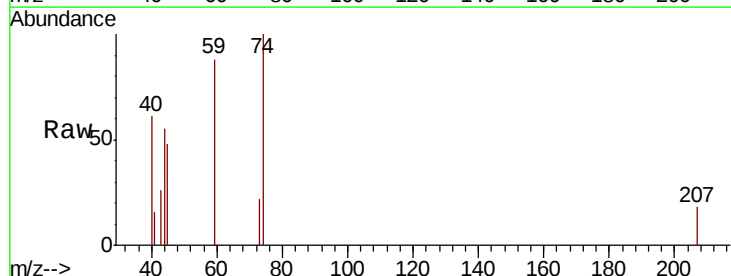
Acq: 09 Oct 2020 16:22

Tgt Ion: 74 Resp: 2794

Ion Ratio Lower Upper

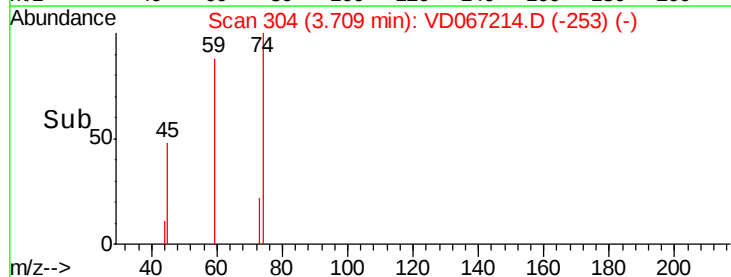
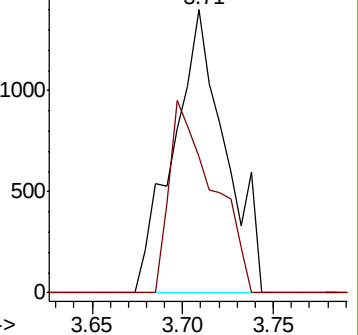
74 100

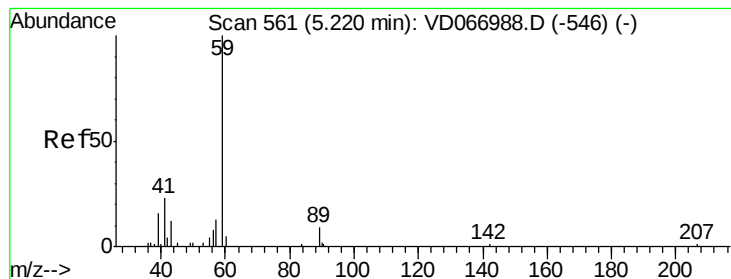
45 57.9 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



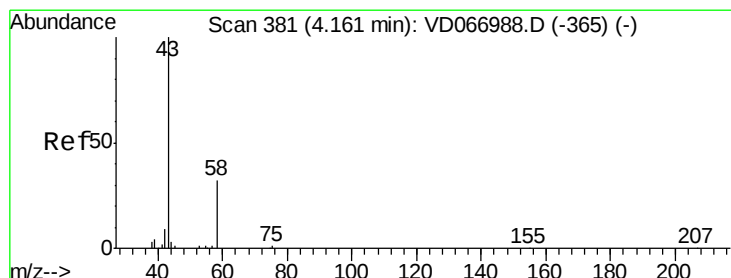
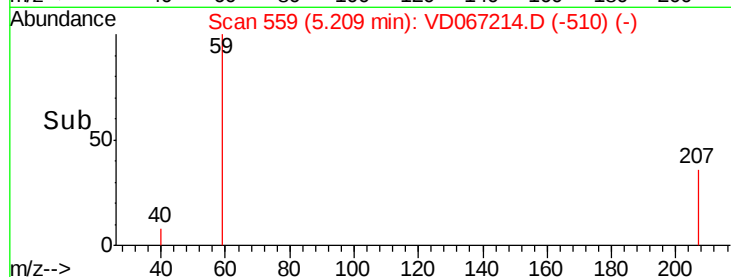
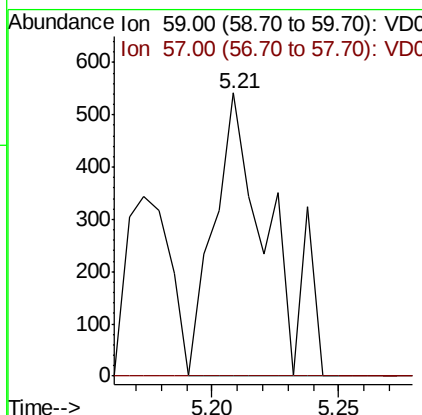
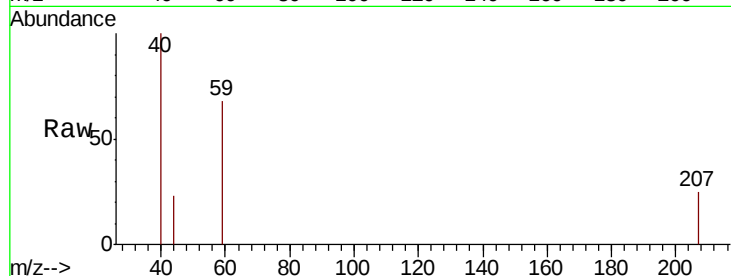


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Instrument :
 MSVOA_D
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 SHELL-L15-L14

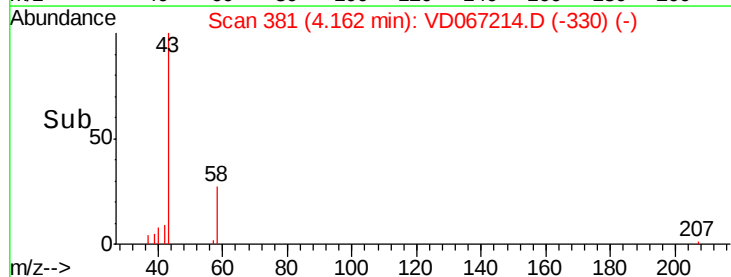
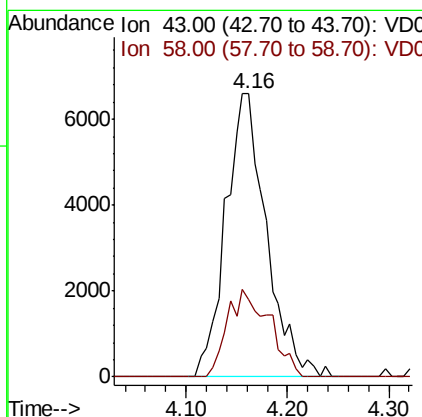
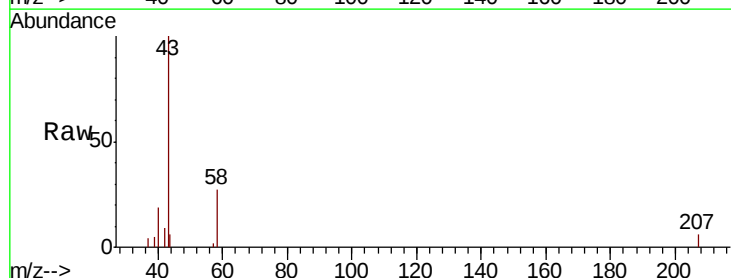
Tot Ion: 59 Resp: 830
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

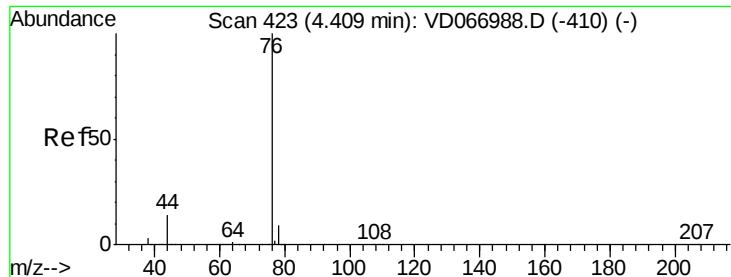


#16

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

Tgt Ion: 43 Resp: 18360
 Ion Ratio Lower Upper
 43 100
 58 27.2 25.9 38.9





#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

Instrument :

MSVOA_D

ClientSampleId :

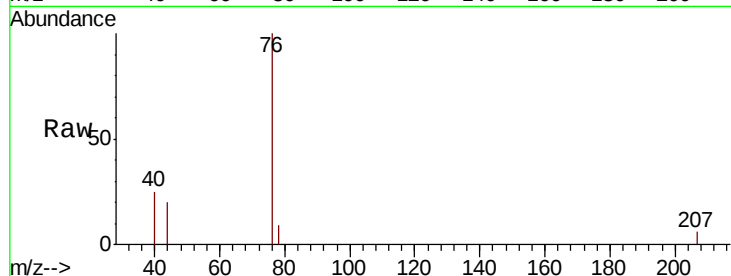
SHELL-L15-L14

Tot Ion: 76 Resp: 11506

Ion Ratio Lower Upper

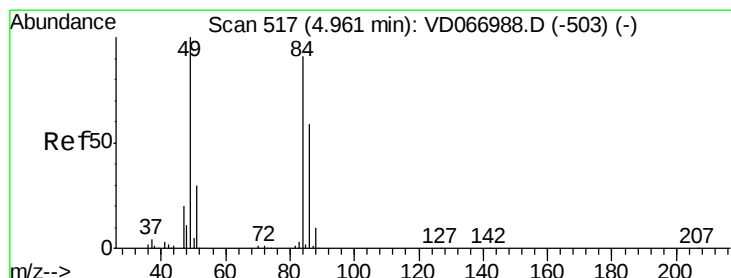
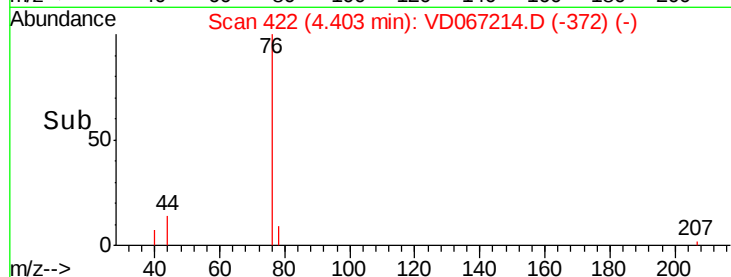
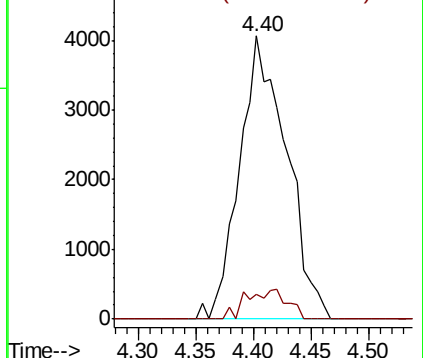
76 100

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

Methylene 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

Tgt Ion: 84 Resp: 47662

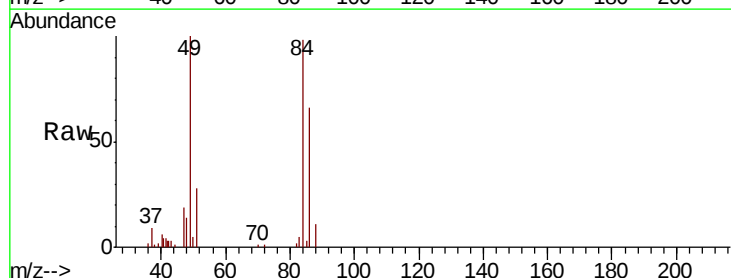
Ion Ratio Lower Upper

84 100

49 101.7 88.2 132.2

51 28.0 26.6 39.8

86 67.4 52.1 78.1

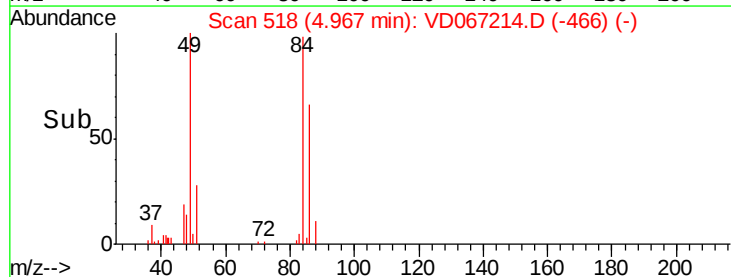
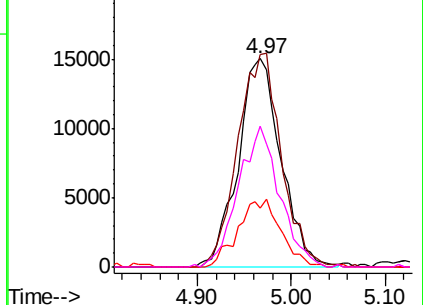


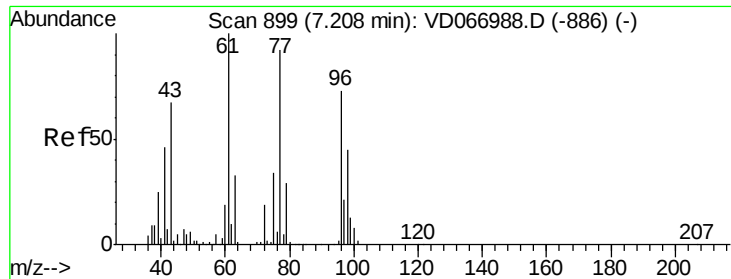
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 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

Instrument :

MSVOA_D

ClientSampleId :

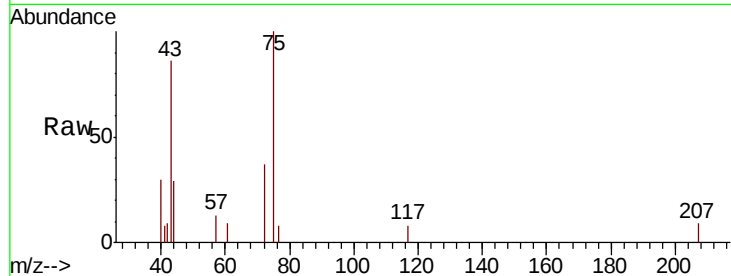
SHELL-L15-L14

Tot Ion: 43 Resp: 5893

Ion Ratio Lower Upper

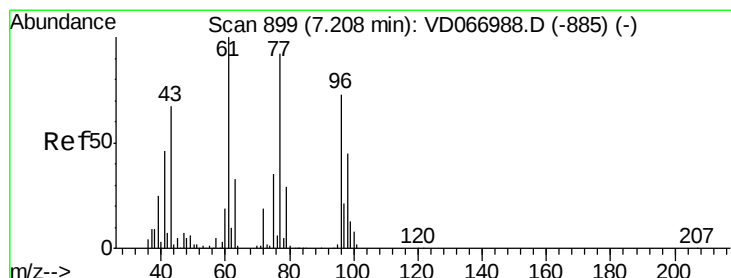
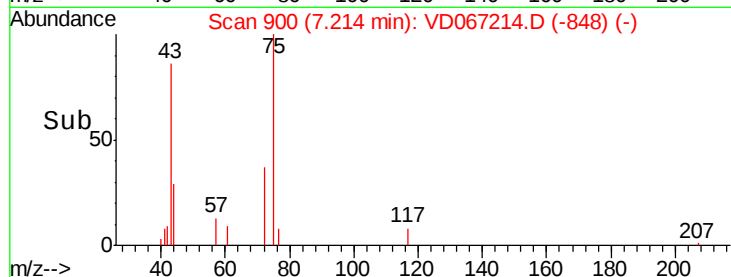
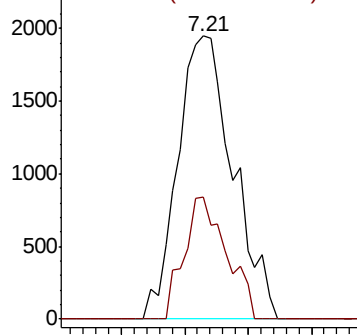
43 100

72 43.2 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067214.D

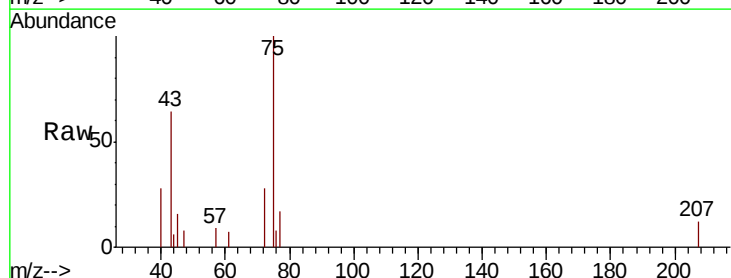
Acq: 09 Oct 2020 16:22

Tgt Ion: 77 Resp: 240

Ion Ratio Lower Upper

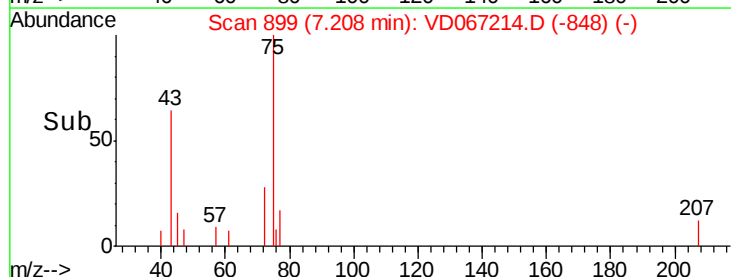
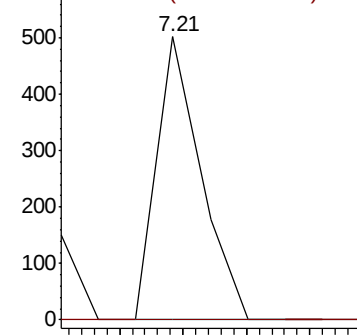
77 100

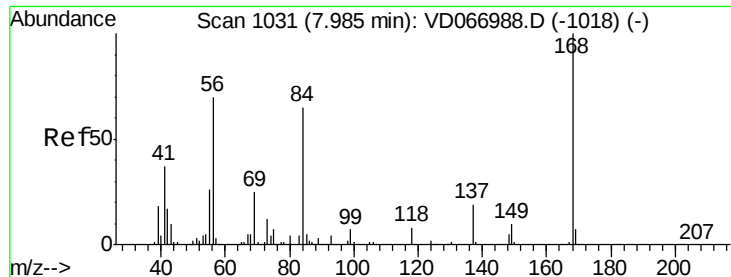
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

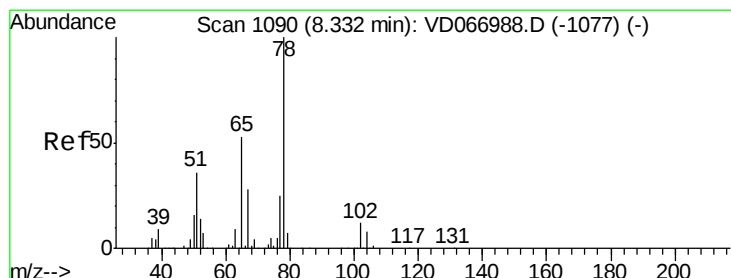
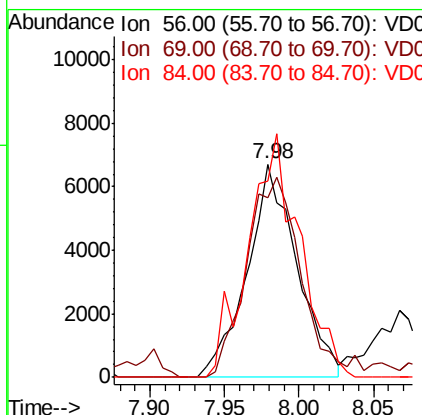
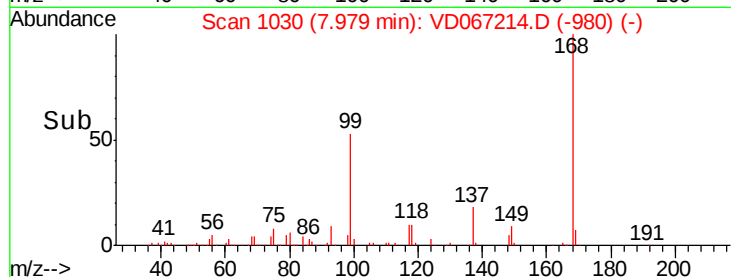
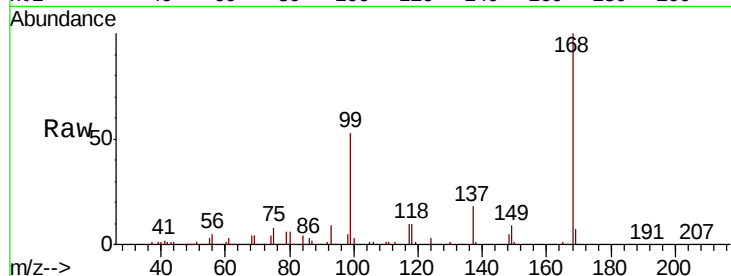




#31
Cyclohexane
Concen: 3.242 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

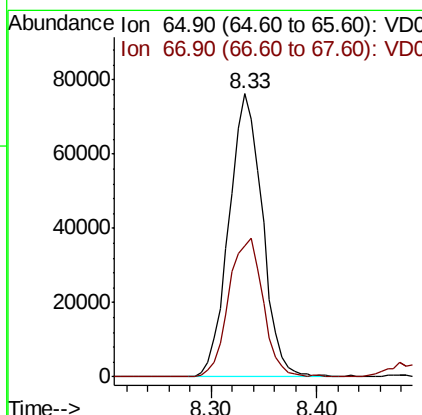
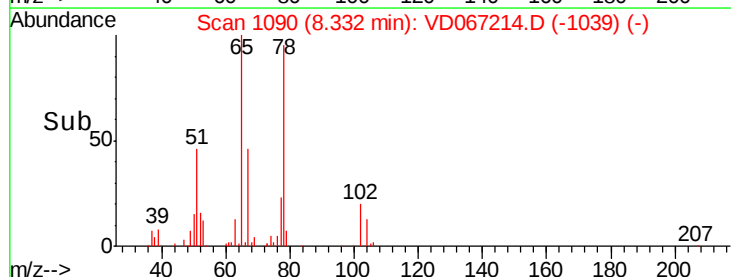
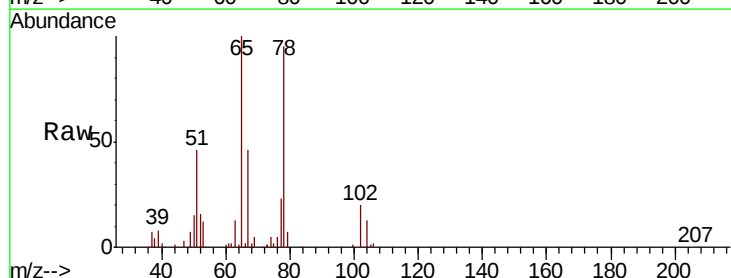
Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

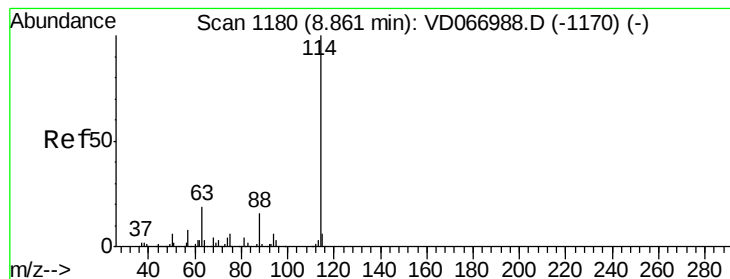
Tot Ion: 56 Resp: 15491
Ion Ratio Lower Upper
56 100
69 84.5 29.0 43.6#
84 92.3 74.2 111.2



#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

Tgt 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

Instrument :

MSVOA_D

ClientSampleId :

SHELL-L15-L14

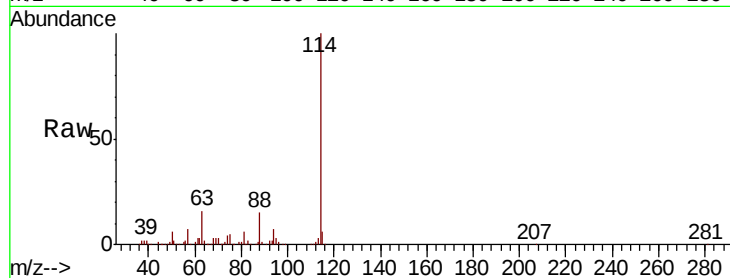
Tot Ion:114 Resp: 545024

Ion Ratio Lower Upper

114 100

63 16.5 0.0 38.4

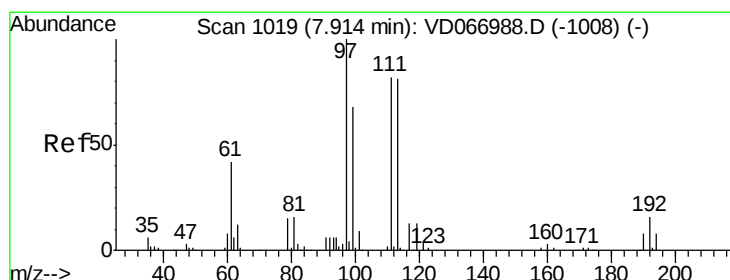
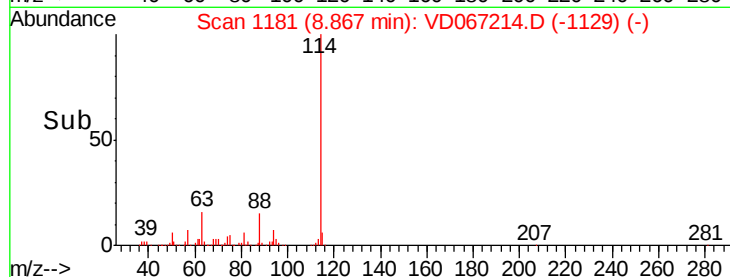
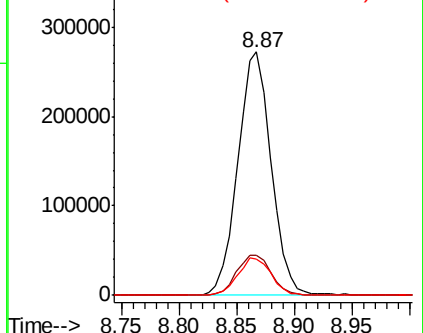
88 14.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 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

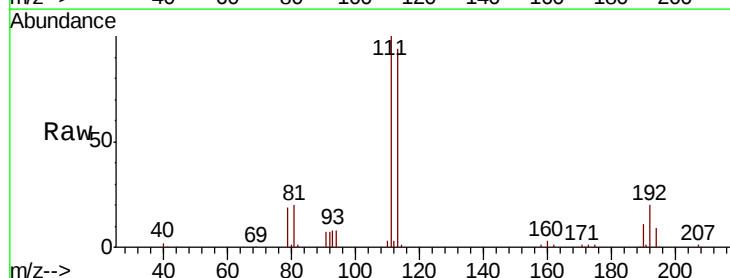
Tgt Ion:113 Resp: 172882

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

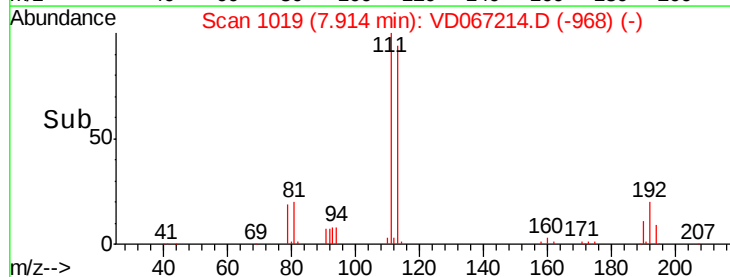
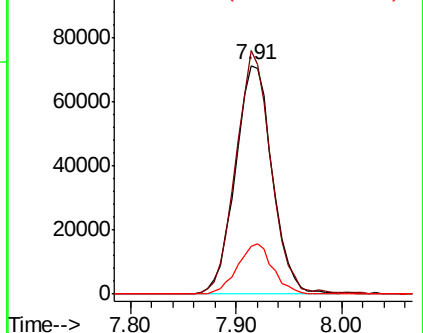
192 20.9 15.5 23.3

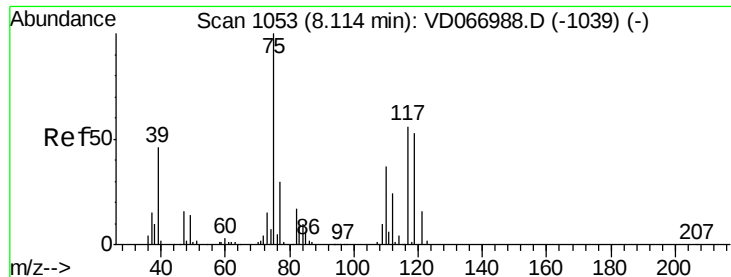


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

SHELL-L15-L14

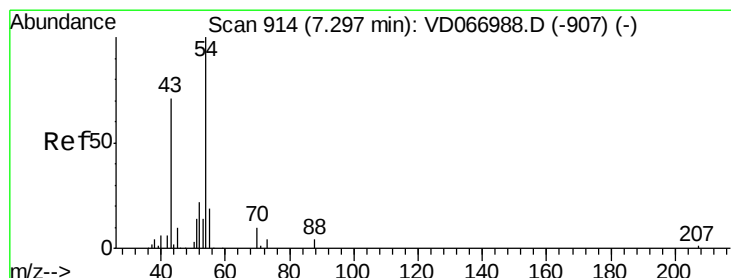
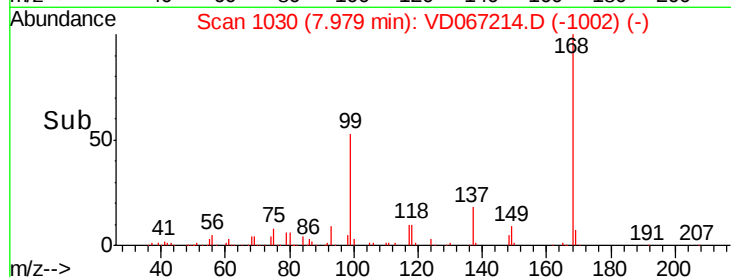
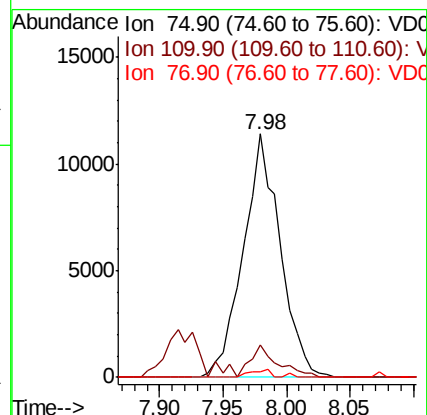
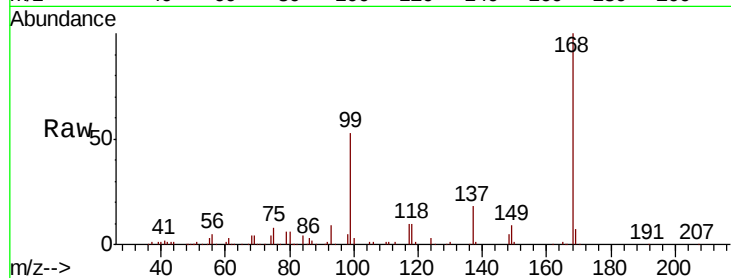
Tot Ion: 75 Resp: 23095

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.0#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 3.348 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

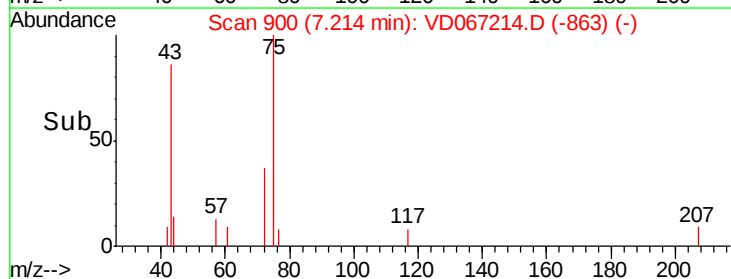
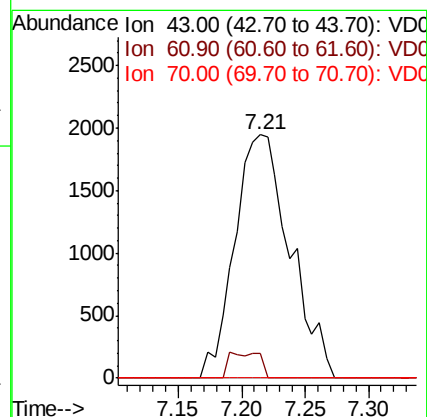
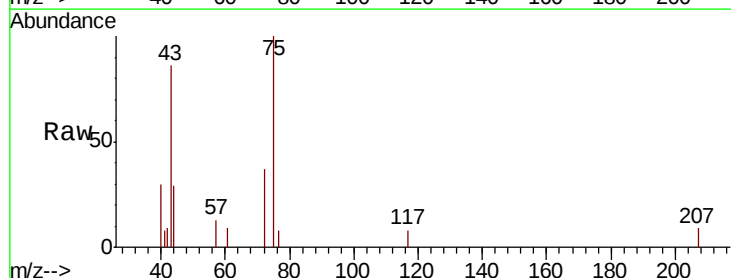
Tgt Ion: 43 Resp: 5893

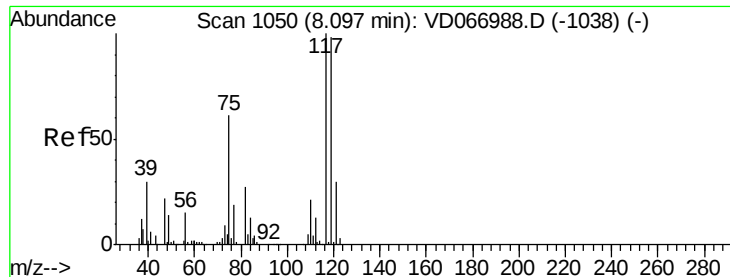
Ion Ratio Lower Upper

43 100

61 0.0 12.5 18.7#

70 0.0 9.4 14.0#

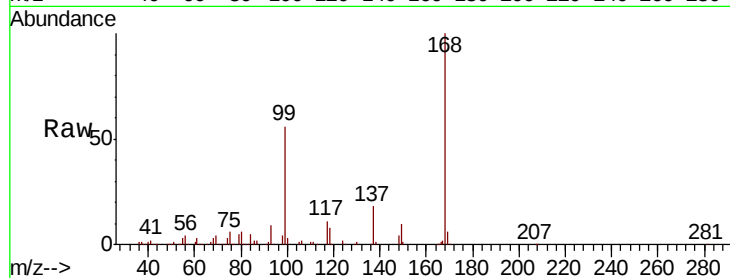




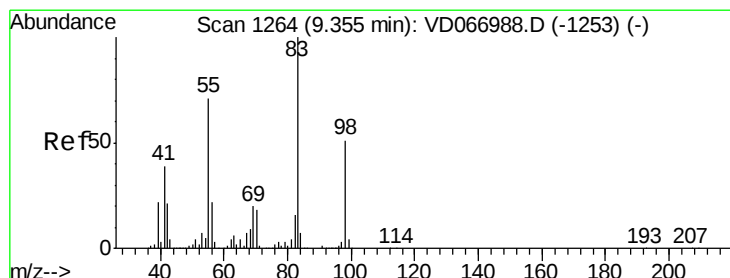
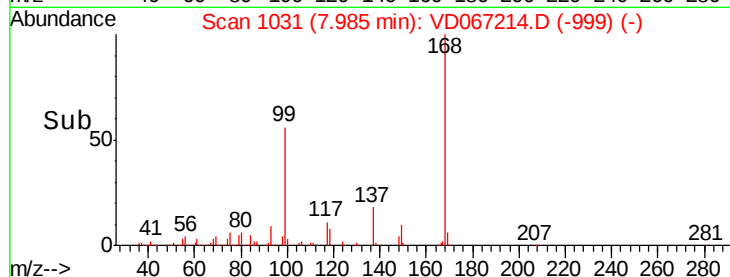
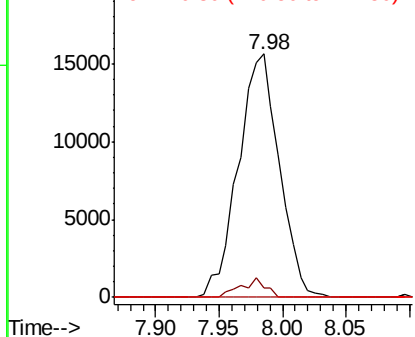
#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

Tot Ion:117 Resp: 35180
Ion Ratio Lower Upper
117 100
119 4.0 78.7 118.1#
121 0.0 24.2 36.2#

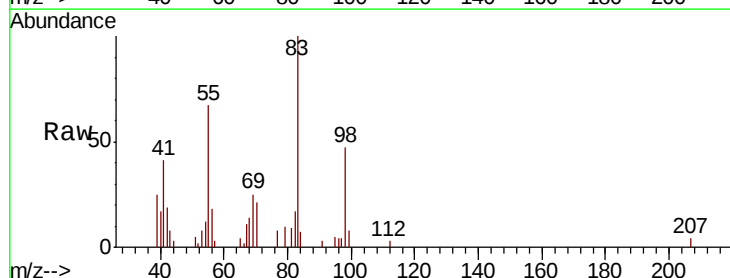


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

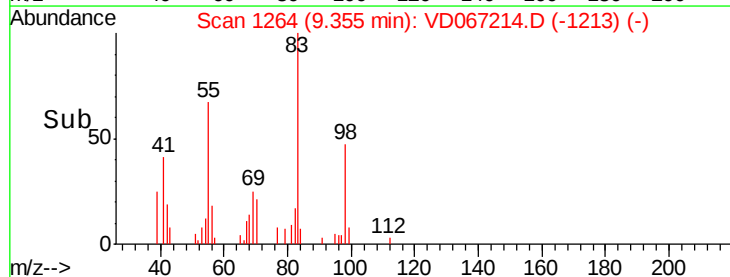
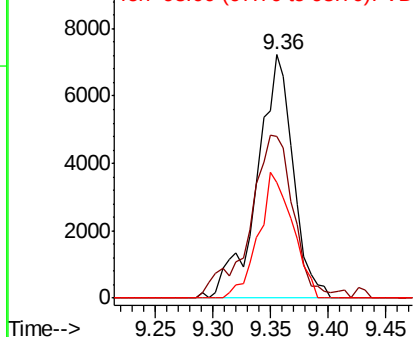


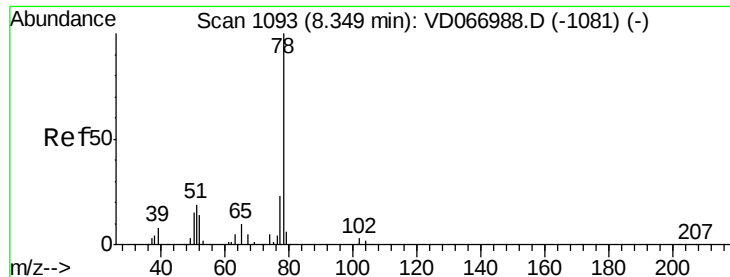
#39
Methylcyclohexane
Concen: 2.927 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion: 83 Resp: 15723
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 :

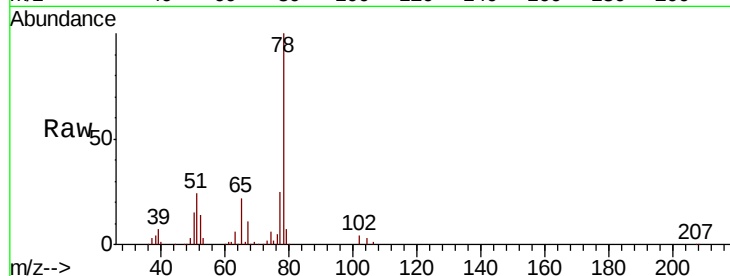
SHELL-L15-L14

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

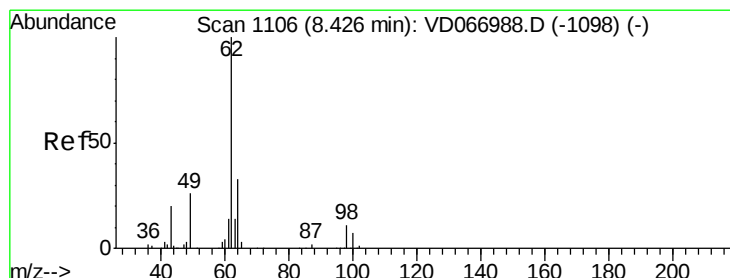
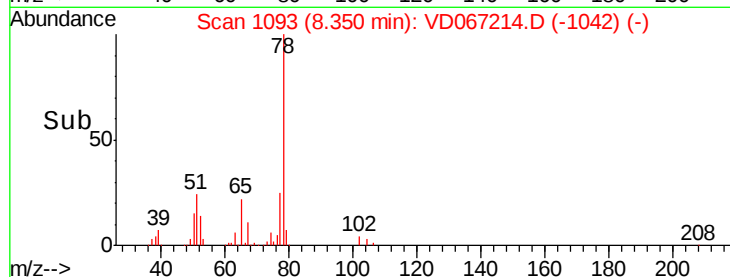
100000

50000

0

8.30 8.40

Time-->



#42

1,2-Dichloroethane

Concen: 1.346 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.08 min

Lab File: VD067214.D

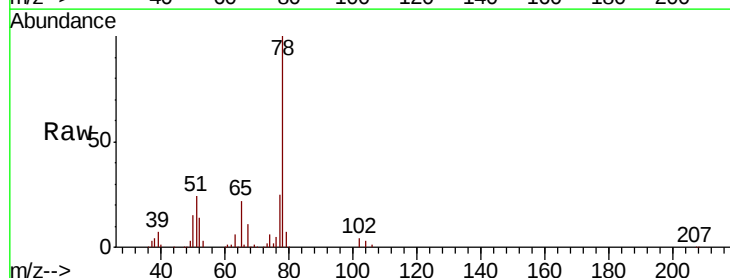
Acq: 09 Oct 2020 16:22

Tgt Ion: 62 Resp: 5307

Ion Ratio Lower Upper

62 100

98 1.5 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

8.35

2500

2000

1500

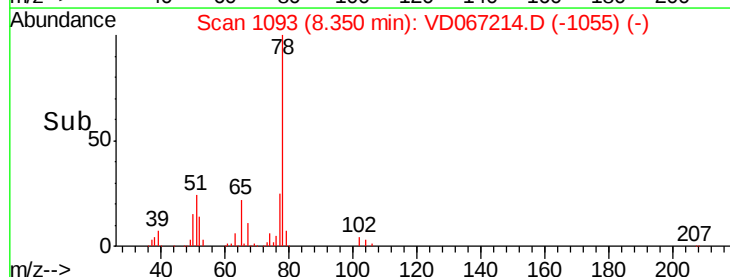
1000

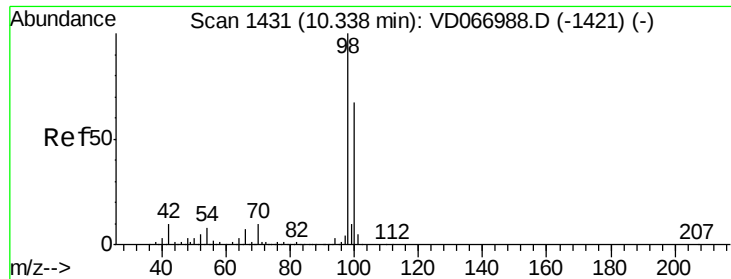
500

0

8.30 8.35 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

Instrument :

MSVOA_D

ClientSampleId :

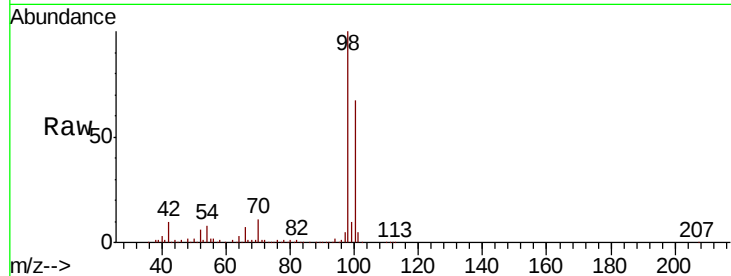
SHELL-L15-L14

Tot Ion: 98 Resp: 629658

Ion Ratio Lower Upper

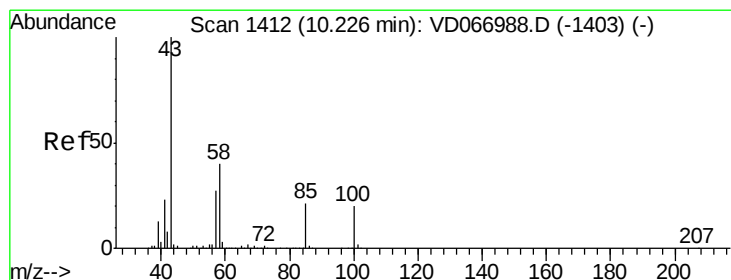
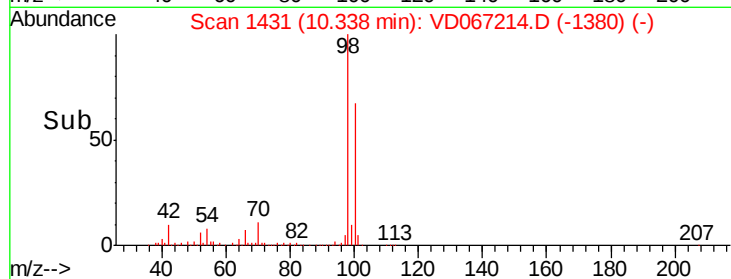
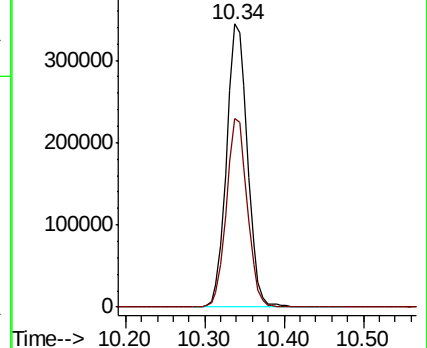
98 100

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



#51

4-Methyl-2-Pentanone

Concen: 4.780 ug/l

RT: 10.12 min Scan# 1394

Delta R.T. -0.11 min

Lab File: VD067214.D

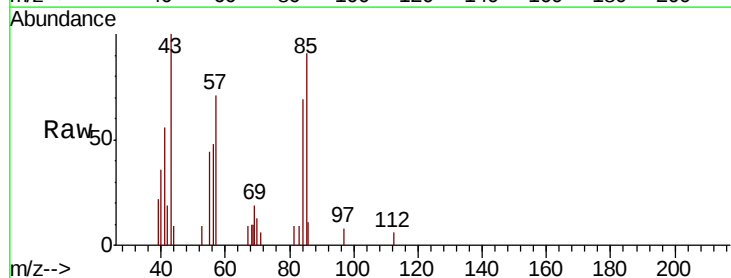
Acq: 09 Oct 2020 16:22

Tgt Ion: 43 Resp: 7719

Ion Ratio Lower Upper

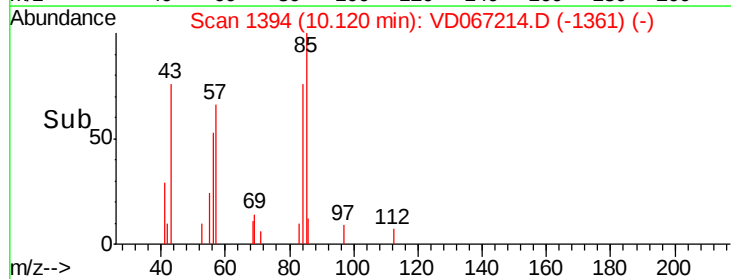
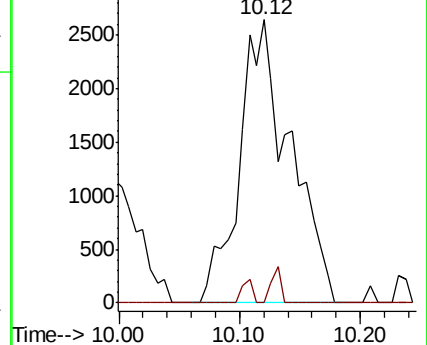
43 100

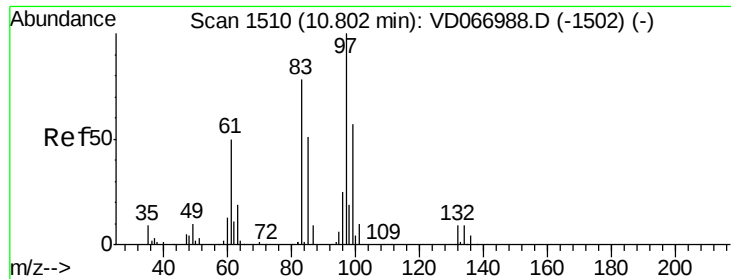
58 2.4 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

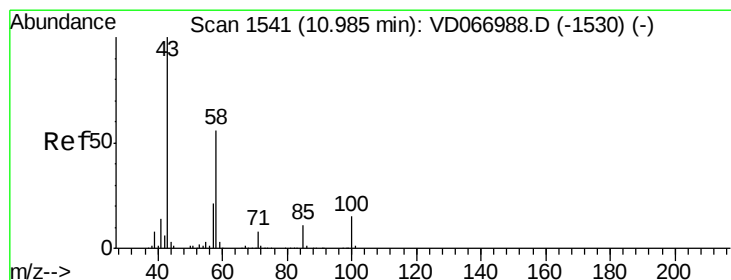
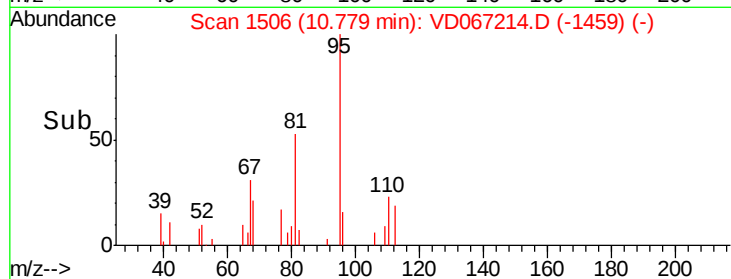
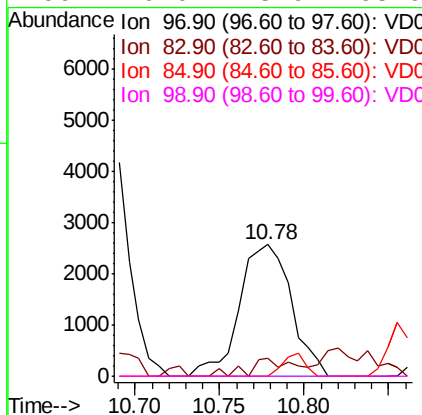
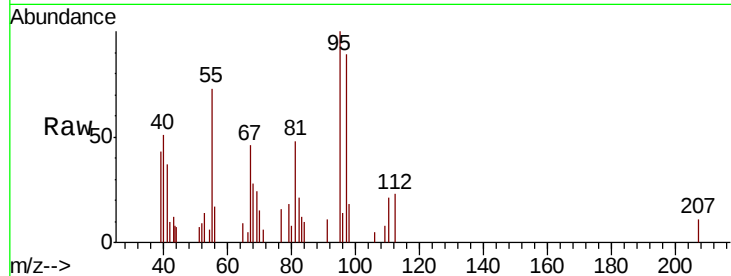




#55
 1,1,2-Trichloroethane
 Concen: 2.079 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

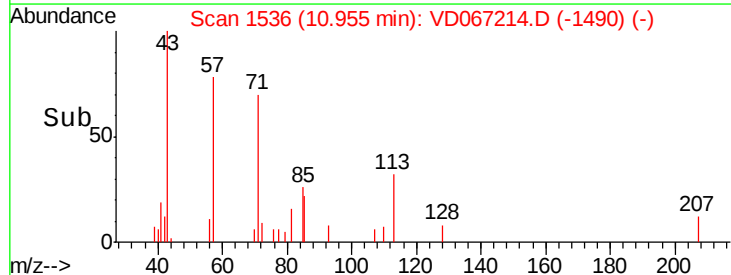
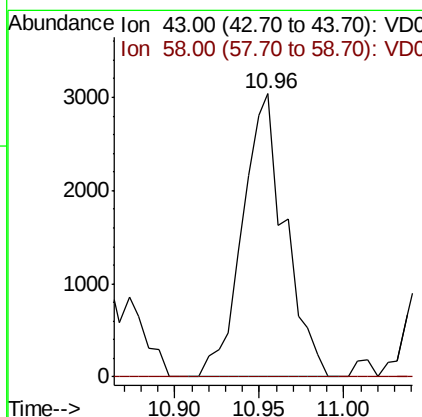
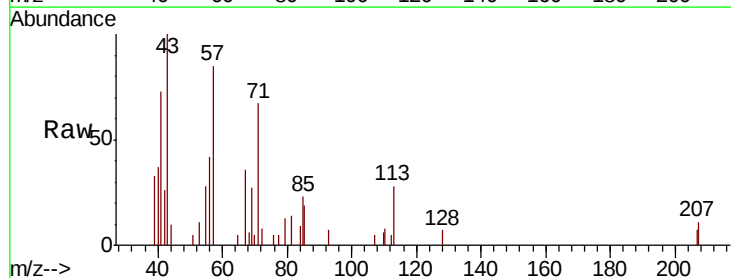
Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

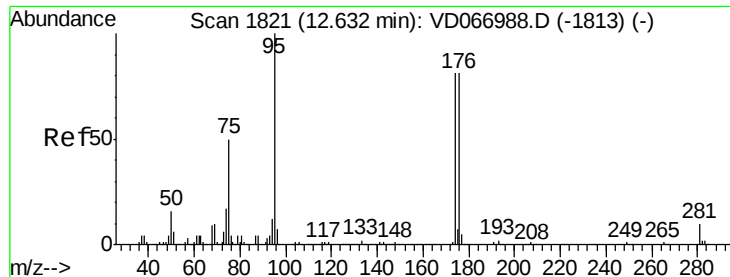
Tot Ion: 97 Resp: 5508
 Ion Ratio Lower Upper
 97 100
 83 13.8 62.4 93.6#
 85 0.0 41.0 61.4#
 99 0.0 45.9 68.9#



#59
 2-Hexanone
 Concen: 4.947 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. -0.03 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Tgt Ion: 43 Resp: 5332
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.3 84.9#

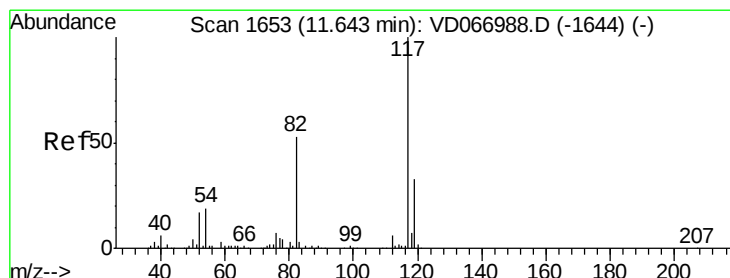
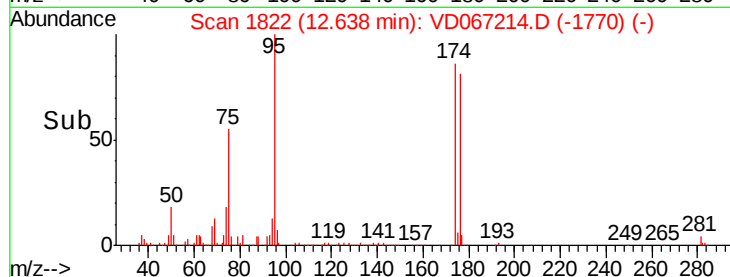
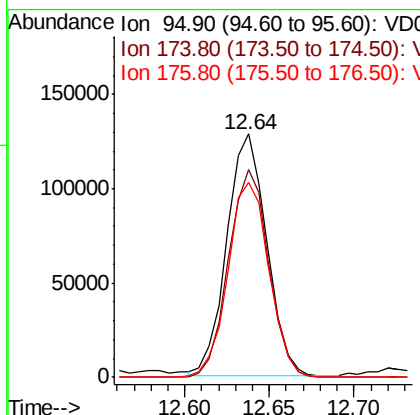
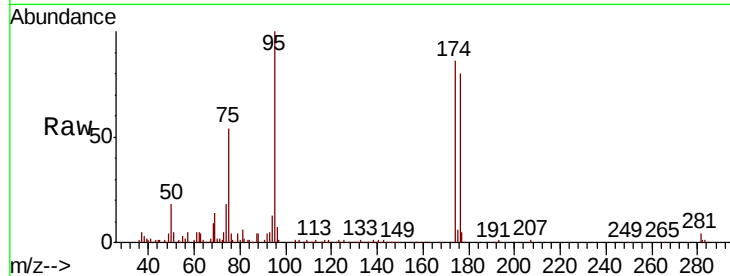




#62
4-Bromofluorobenzene
Concen: 47.717 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

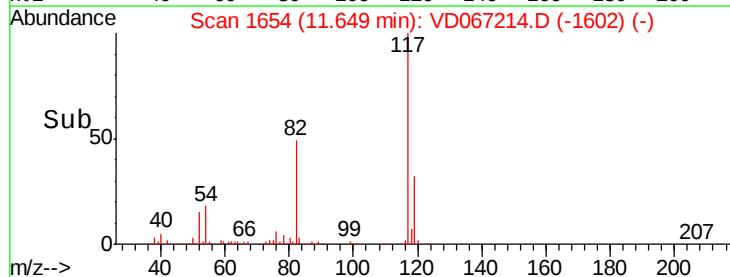
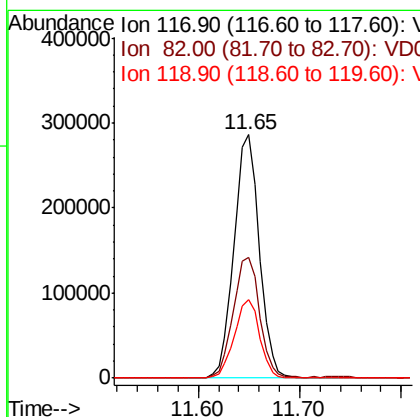
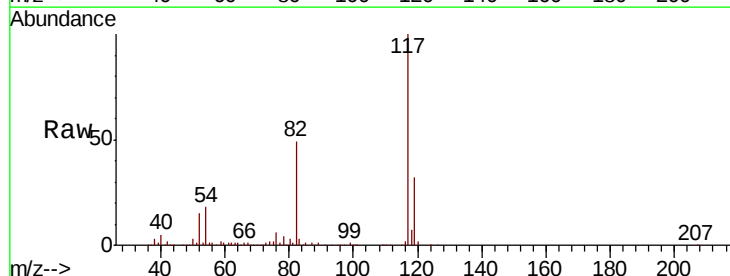
Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

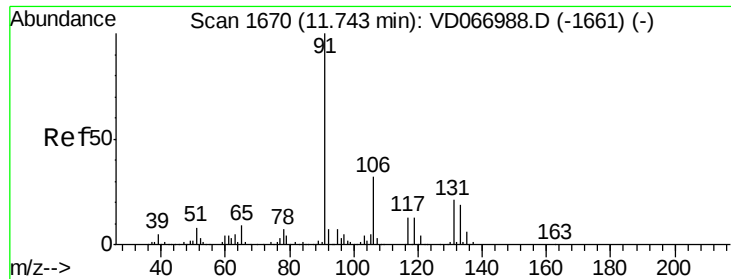
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	167.6
176	83.0	0.0	162.4



#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	Ratio	Lower	Upper
117	100		
82	49.3	42.6	63.8
119	32.3	26.3	39.5





#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 :

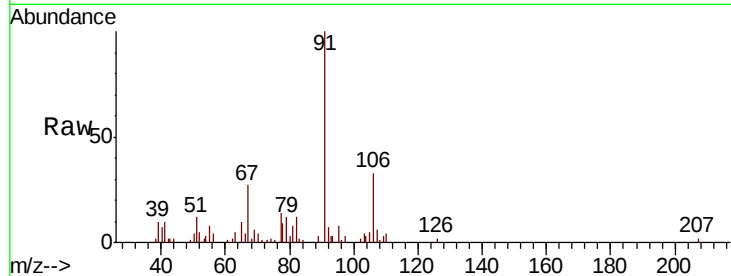
SHELL-L15-L14

Tot Ion: 91 Resp: 27513

Ion Ratio Lower Upper

91 100

106 33.5 25.4 38.2

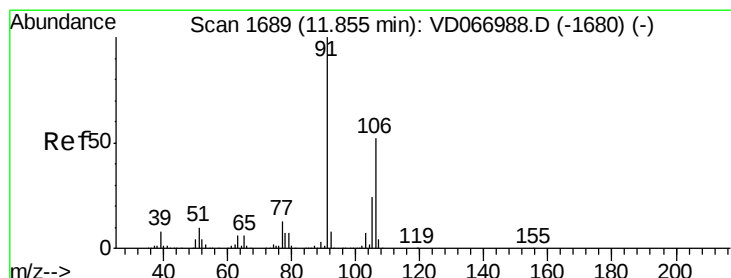
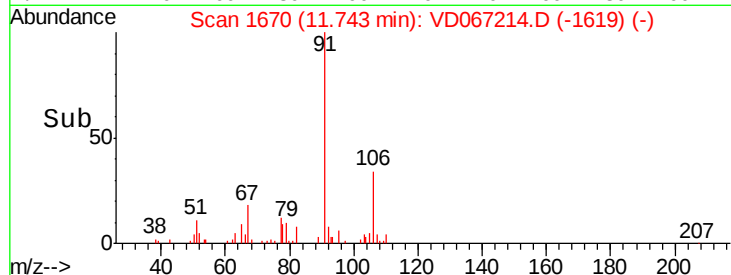


Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066988.D (-1661) (-)

11.74

Time-->



#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

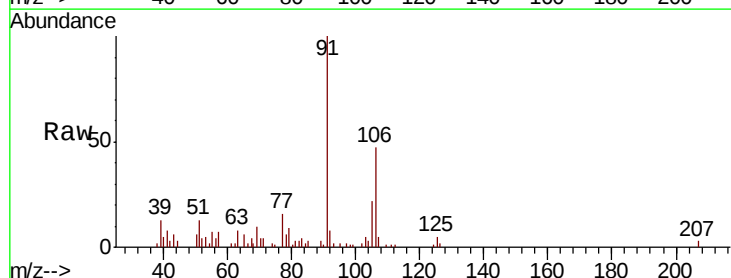
Acq: 09 Oct 2020 16:22

Tgt Ion: 106 Resp: 18802

Ion Ratio Lower Upper

106 100

91 210.2 158.4 237.6

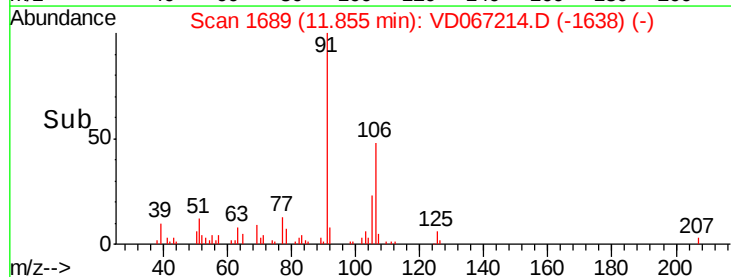


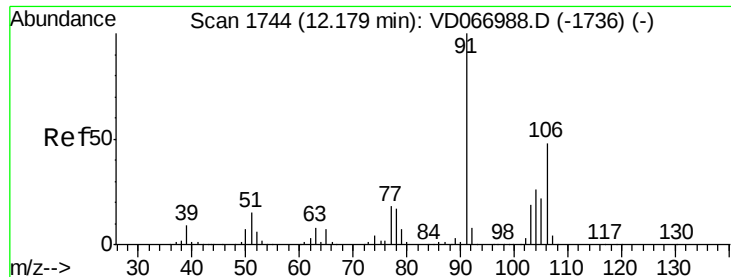
Abundance Ion 106.00 (105.70 to 106.70): VD066988.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066988.D (-1680) (-)

11.86

Time-->

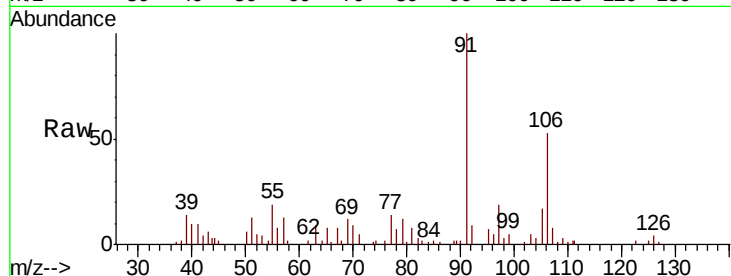




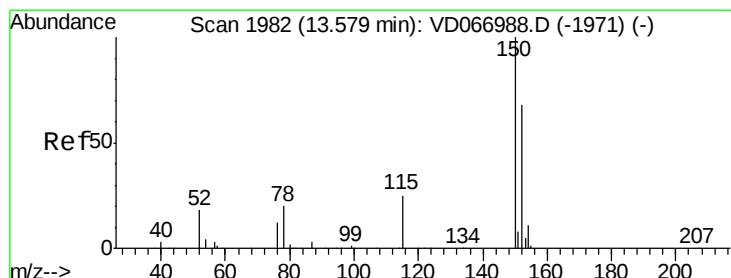
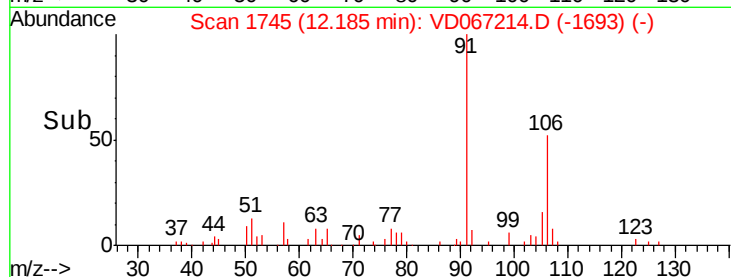
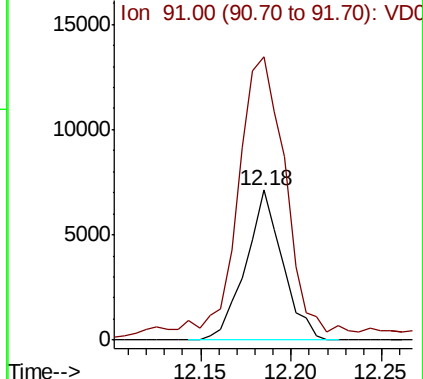
#69
o-Xylene
Concen: 1.711 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

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

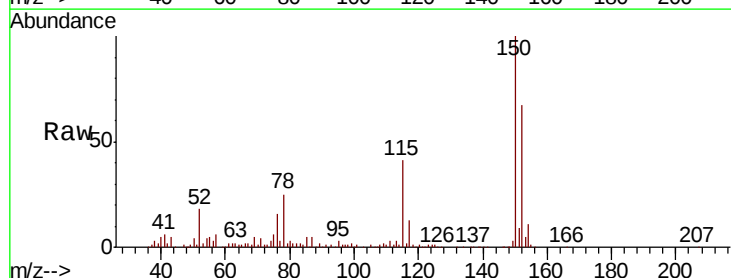


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

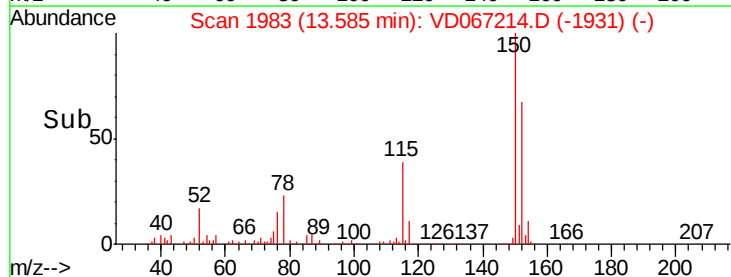
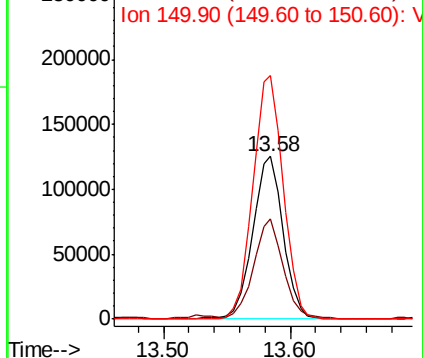


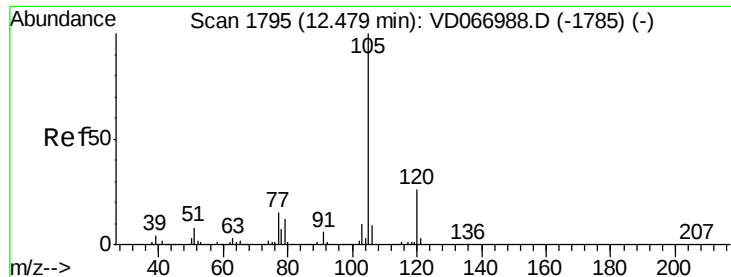
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

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 :

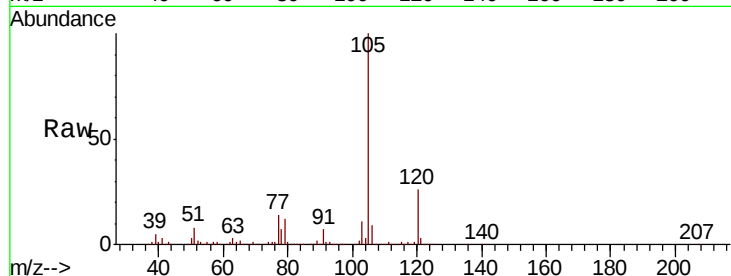
SHELL-L15-L14

Tot Ion:105 Resp: 621915

Ion Ratio Lower Upper

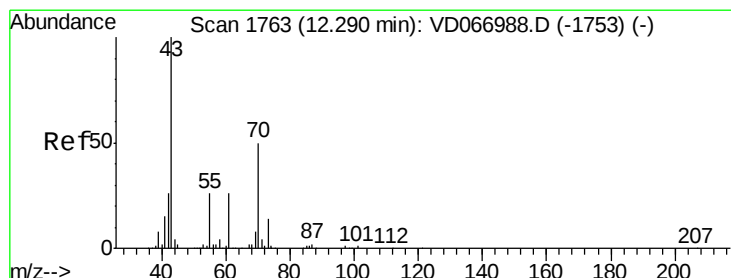
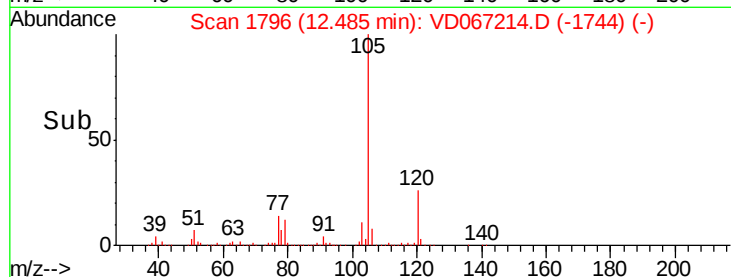
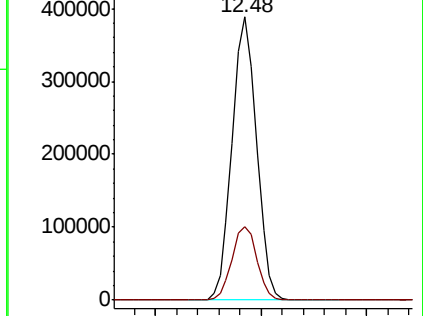
105 100

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



#74

N-ethyl acetate

Concen: 4.526 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Tgt Ion: 43 Resp: 11503

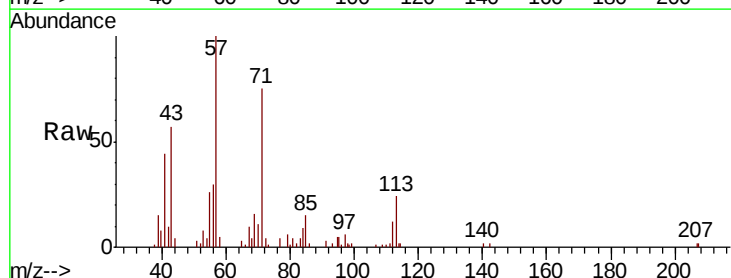
Ion Ratio Lower Upper

43 100

70 23.3 38.2 57.2#

55 26.3 22.4 33.6

61 0.0 20.6 31.0#

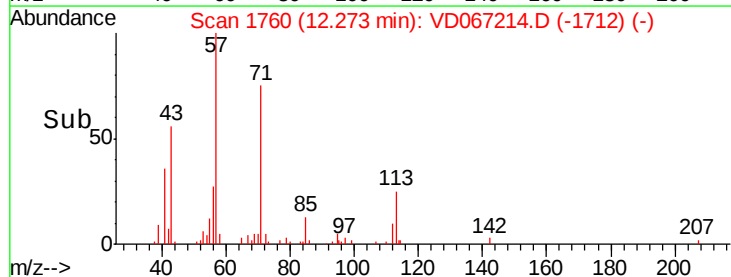
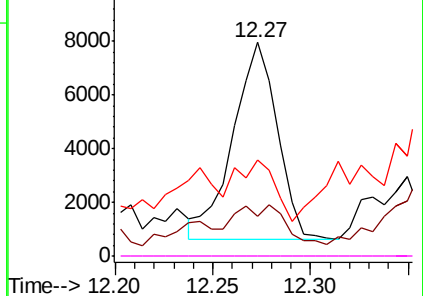


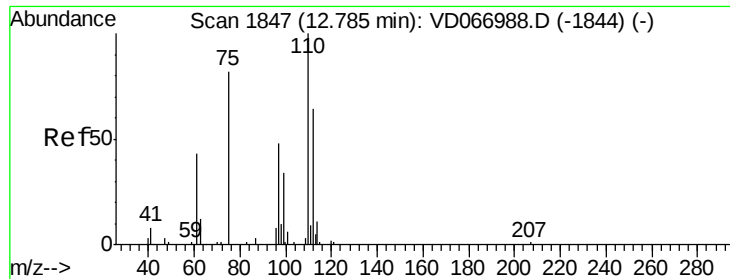
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 59.142 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

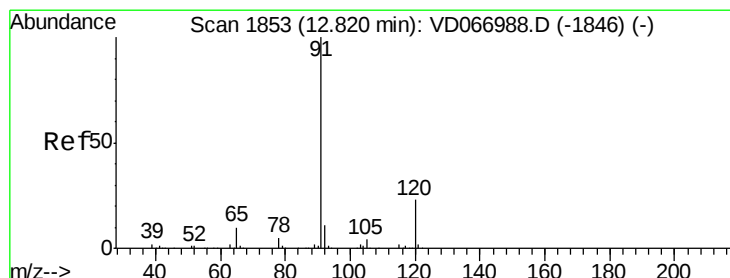
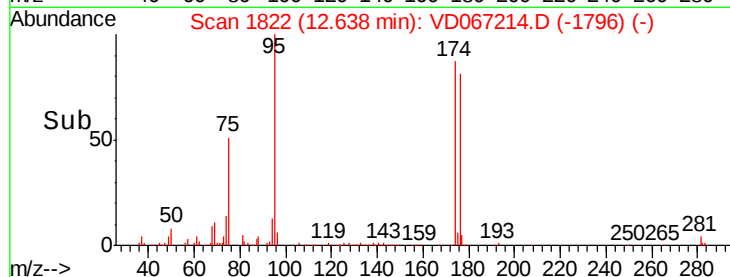
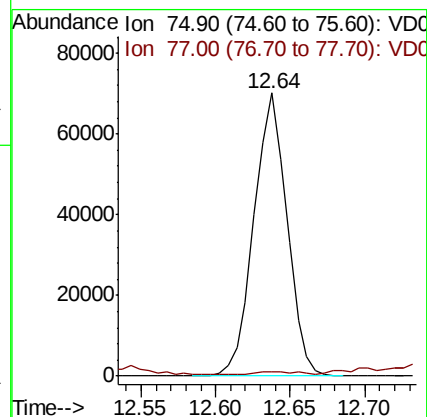
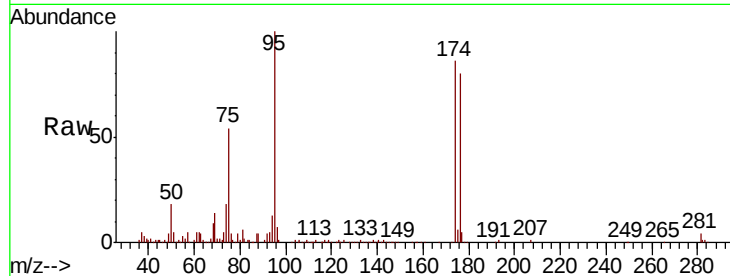
SHELL-L15-L14

Tot Ion: 75 Resp: 107259

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#78

n-propylbenzene

Concen: 6.301 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067214.D

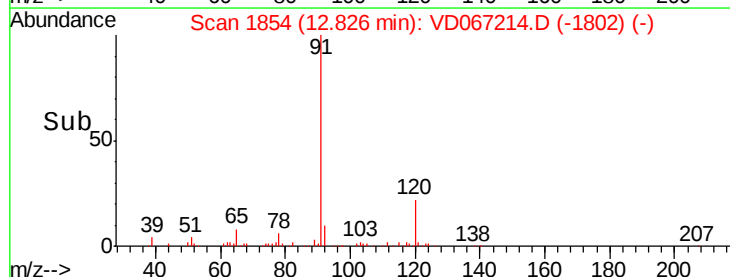
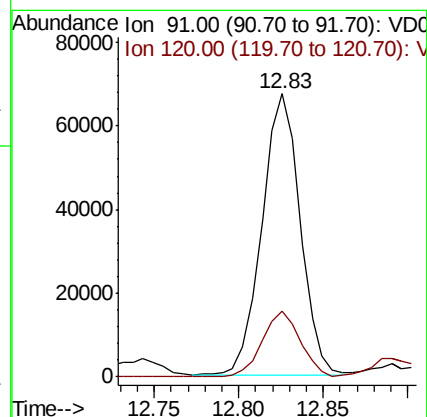
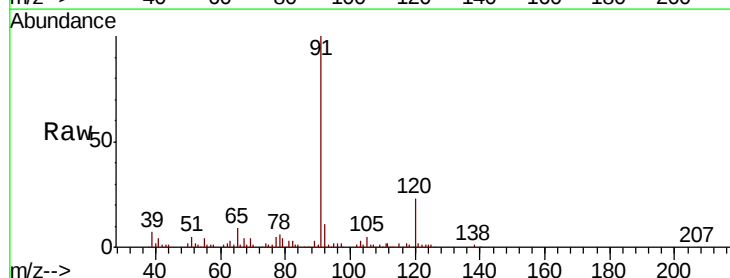
Acq: 09 Oct 2020 16:22

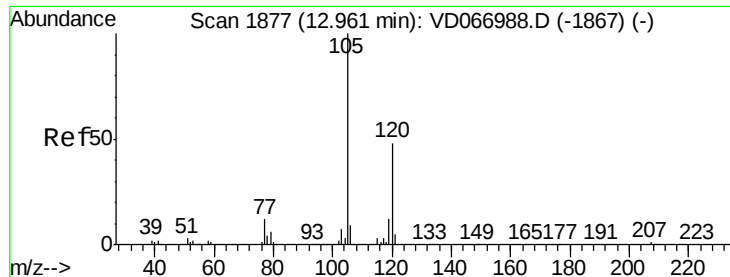
Tgt Ion: 91 Resp: 105274

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.8

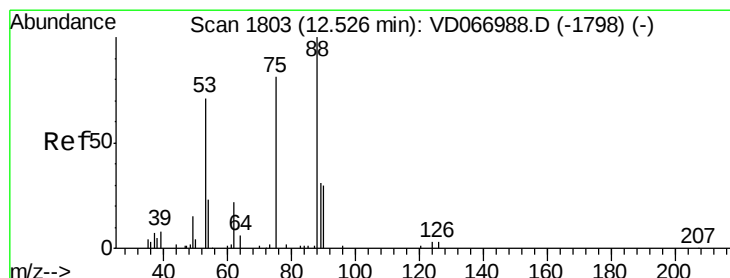
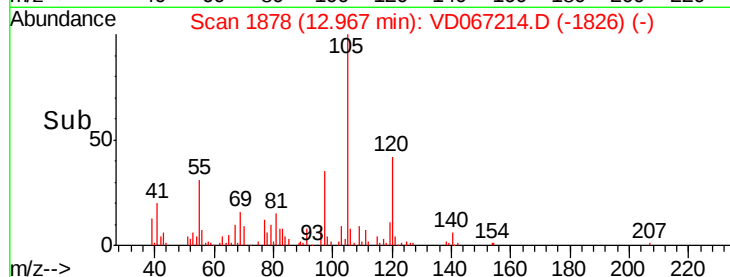
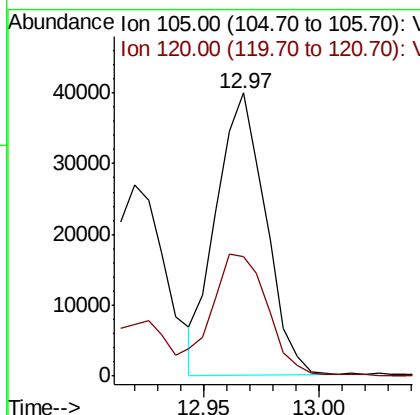
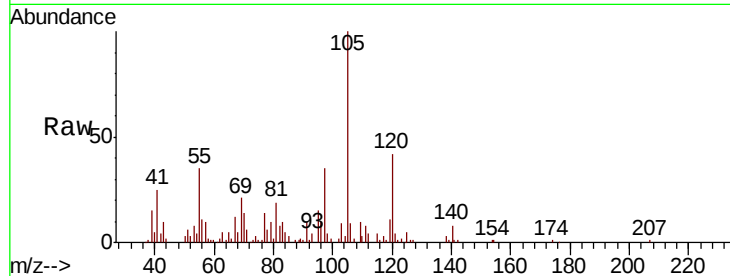




#80
 1,3,5-Trimethylbenzene
 Concen: 4.940 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

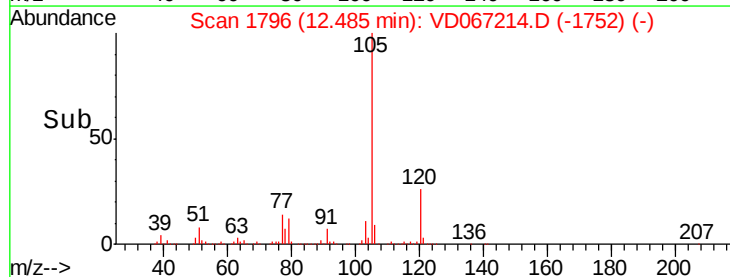
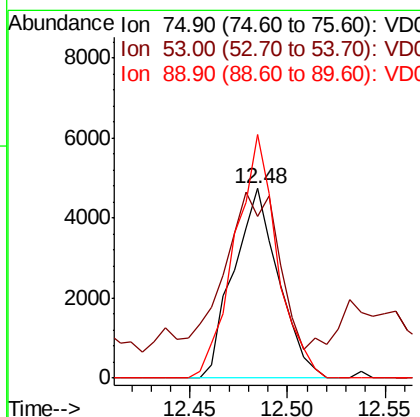
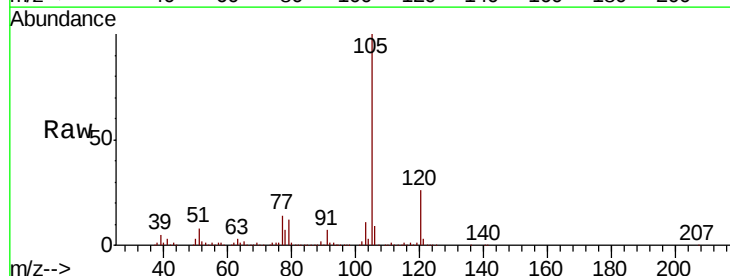
Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

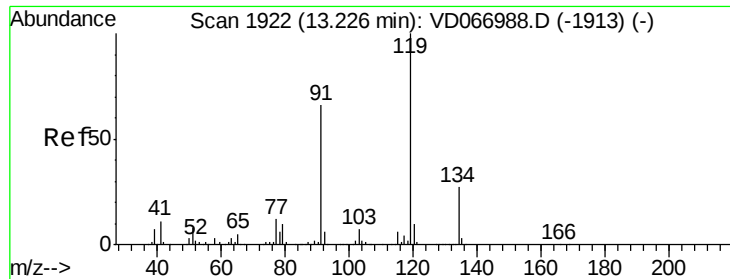
Tot Ion:105 Resp: 59004
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.372 ug/l
 RT: 12.48 min Scan# 1796
 Delta R.T. -0.04 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Tgt Ion: 75 Resp: 7545
 Ion Ratio Lower Upper
 75 100
 53 90.9 73.8 110.6
 89 121.4 38.9 58.3#

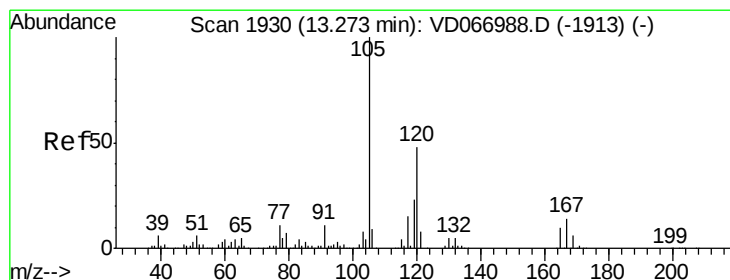
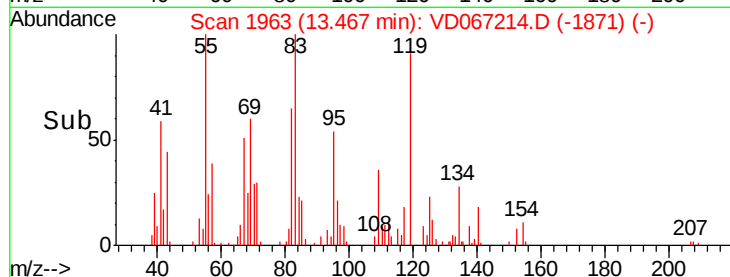
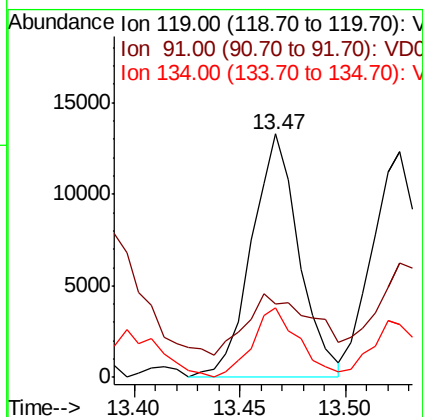
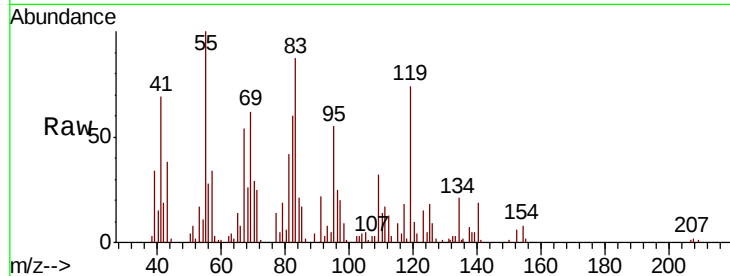




#83
tert-Butylbenzene
Concen: 2.065 ug/l
RT: 13.47 min Scan# 1963
Delta R.T. 0.24 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

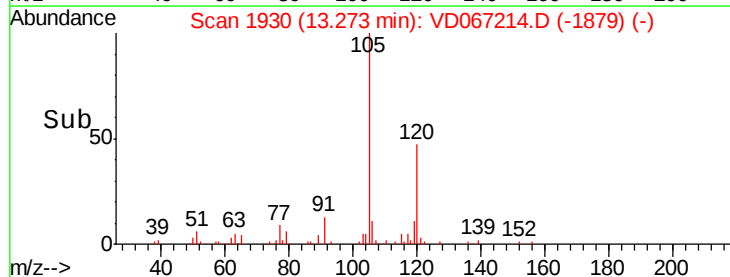
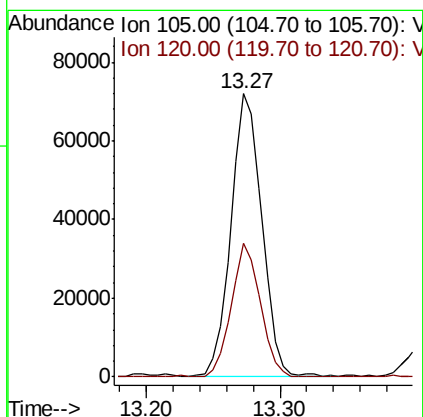
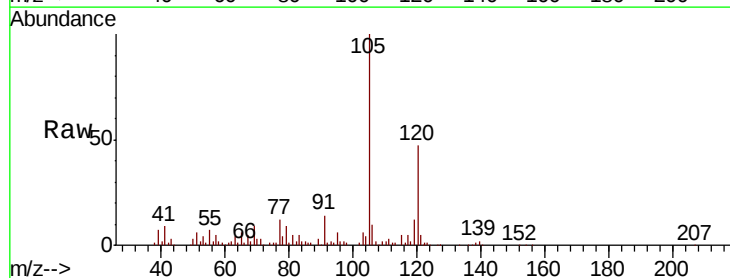
Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

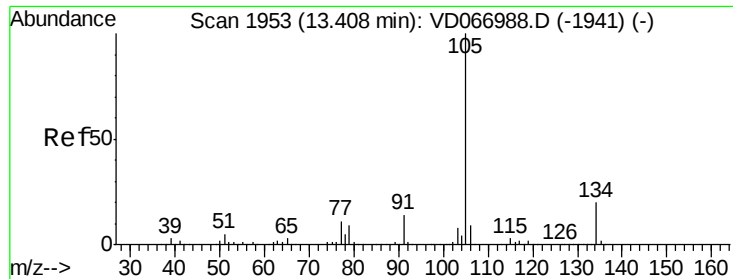
Tot Ion:119 Resp: 20772
Ion Ratio Lower Upper
119 100
91 33.1 32.8 98.3
134 27.9 13.9 41.7



#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

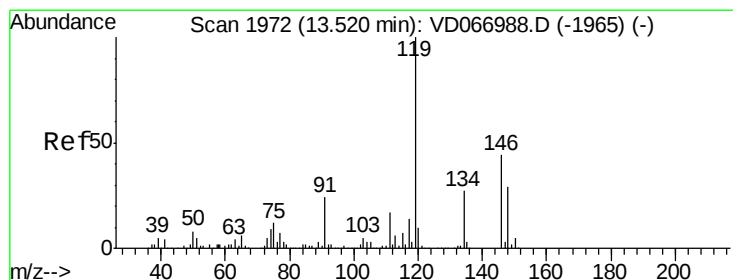
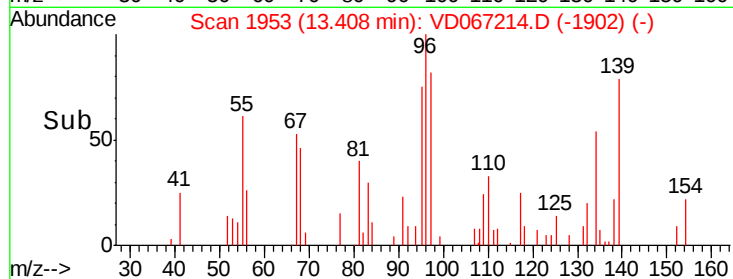
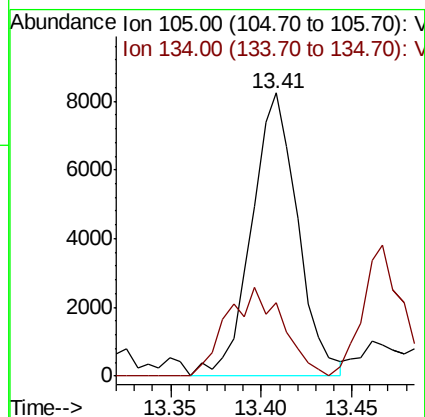
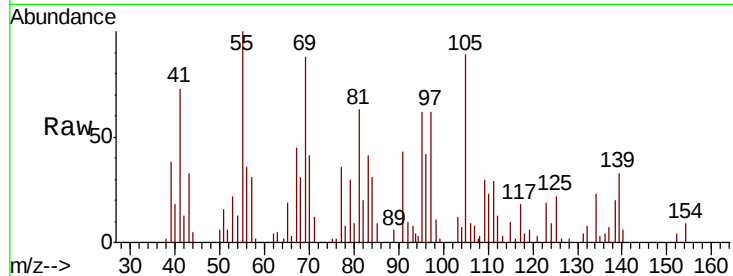




#85
 sec-Butylbenzene
 Concen: 1.028 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

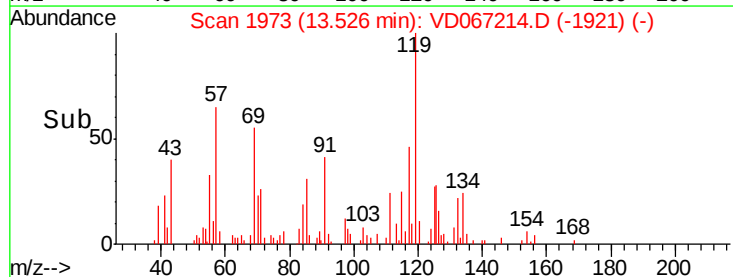
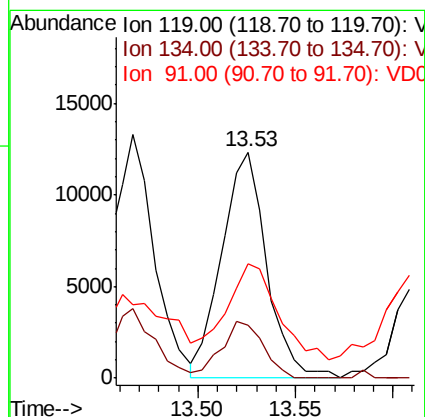
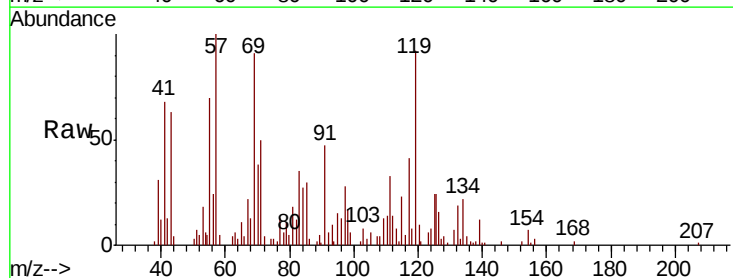
Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

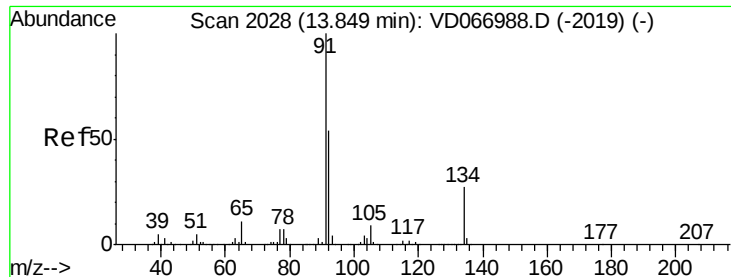
Tot Ion:105 Resp: 14558
 Ion Ratio Lower Upper
 105 100
 134 38.1 10.3 30.8#



#86
 p-Isopropyltoluene
 Concen: 1.500 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Tgt Ion:119 Resp: 19693
 Ion Ratio Lower Upper
 119 100
 134 23.5 13.1 39.1
 91 0.0 11.7 35.1#

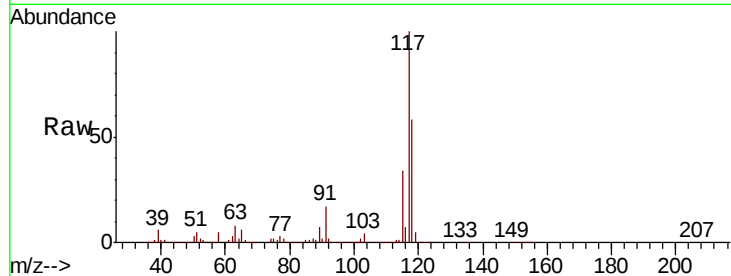




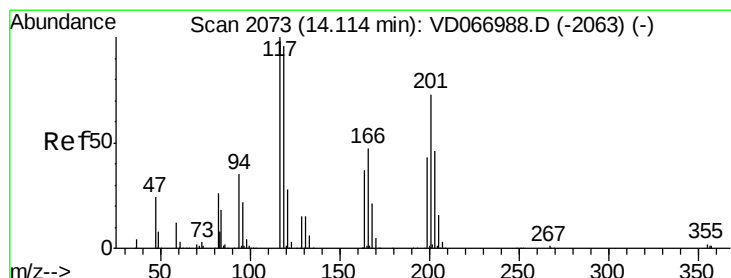
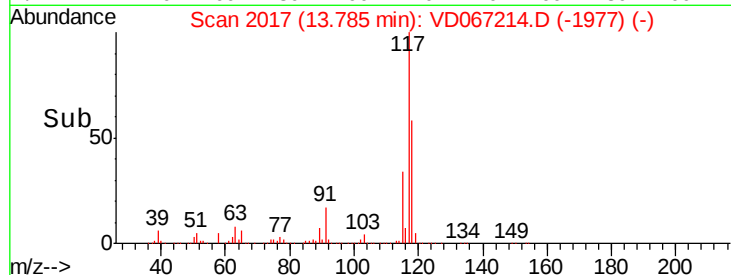
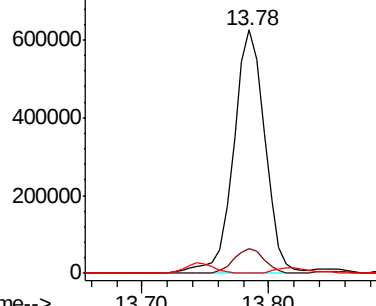
#89
n-Butylbenzene
Concen: 89.087 ug/l
RT: 13.78 min Scan# 2017
Delta R.T. -0.06 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :
SHELL-L15-L14

Tot Ion: 91 Resp: 1069245
Ion Ratio Lower Upper
91 100
92 10.0 27.1 81.2#
134 0.0 13.6 40.8#

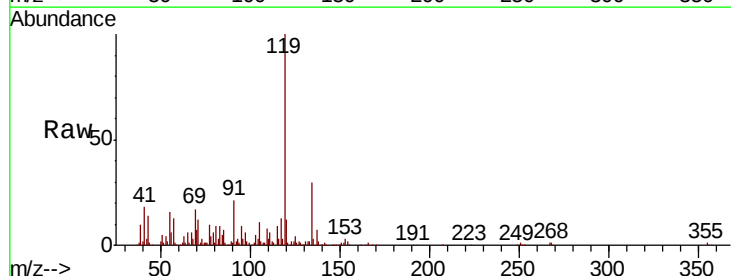


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

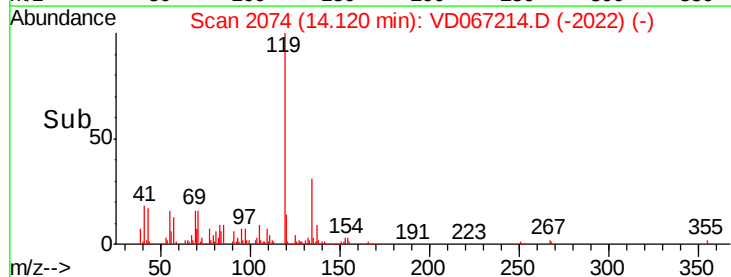
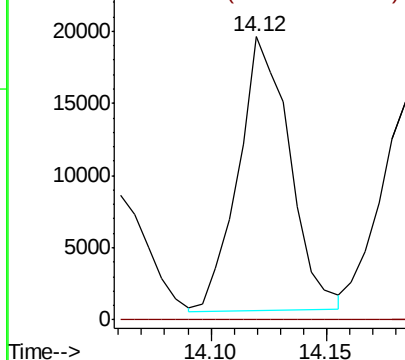


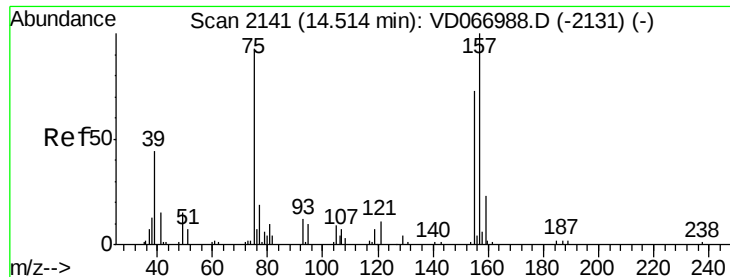
#90
Hexachloroethane
Concen: 12.799 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067214.D
Acq: 09 Oct 2020 16:22

Tgt Ion: 117 Resp: 29442
Ion Ratio Lower Upper
117 100
201 0.0 37.0 110.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.513 ug/l

RT: 14.49 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VD067214.D

Acq: 09 Oct 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

SHELL-L15-L14

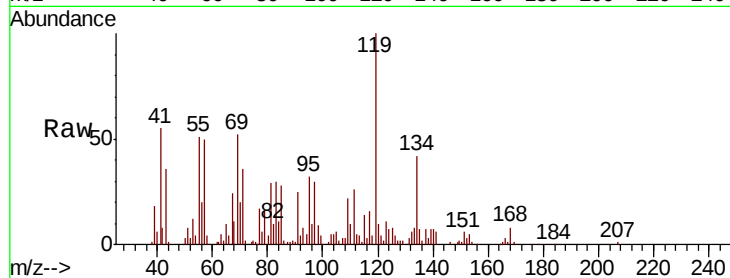
Tot Ion: 75 Resp: 581

Ion Ratio Lower Upper

75 100

155 55.9 45.2 135.6

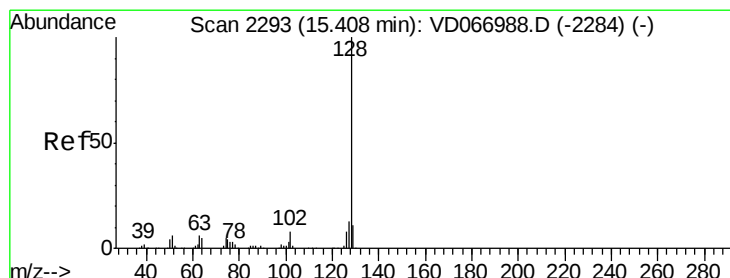
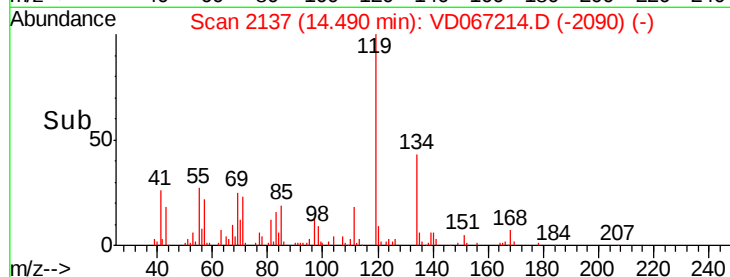
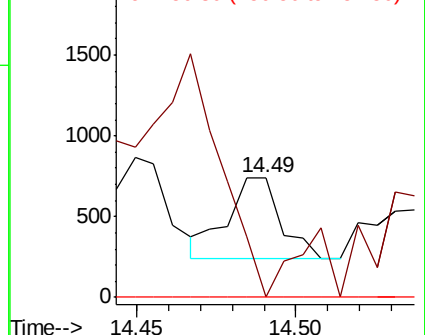
157 0.0 56.3 168.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#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

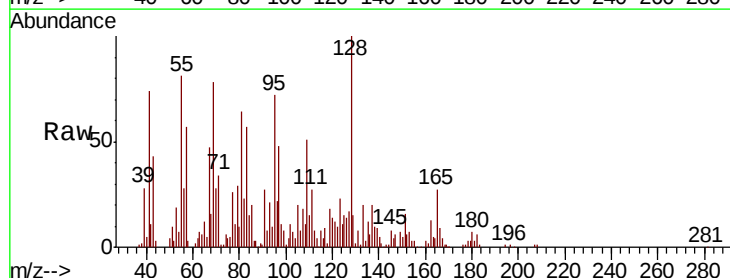
Tgt Ion: 128 Resp: 142020

Ion Ratio Lower Upper

128 100

127 19.7 10.3 15.5#

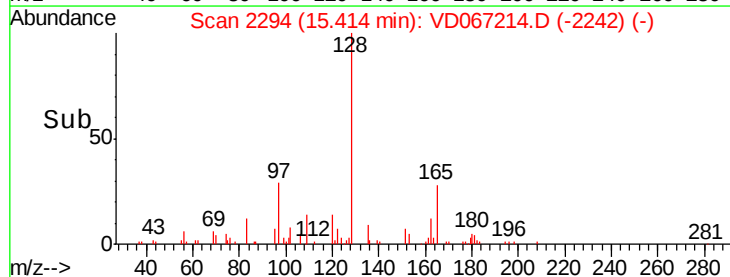
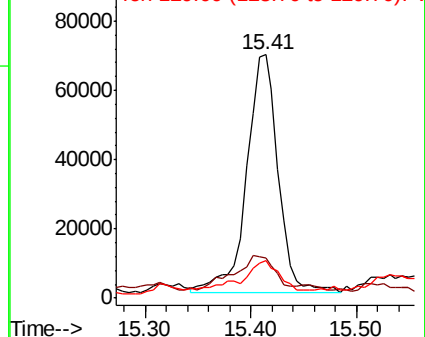
129 14.2 8.6 13.0#

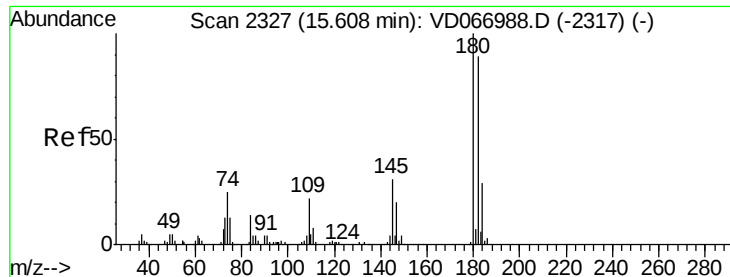


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

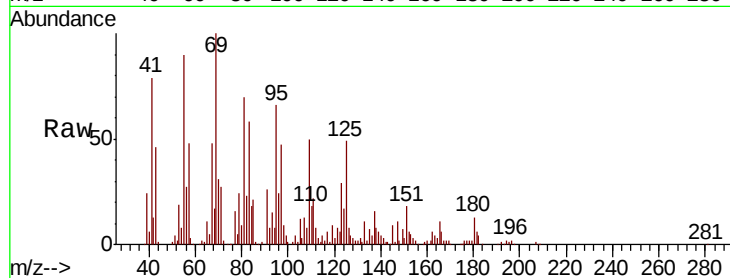




#96
 1,2,3-Trichlorobenzene
 Concen: 3.320 ug/l
 RT: 15.63 min Scan# 2331
 Delta R.T. 0.02 min
 Lab File: VD067214.D
 Acq: 09 Oct 2020 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 SHELL-L15-L14

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.4	139.1#
145	0.0	16.6	49.7#



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

