

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065230.D
 Acq On : 18 Feb 2020 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 19 03:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	466787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318795	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	200402	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	
35) Dibromofluoromethane	7.92	113	202772	46.87	ug/l	0.00
Spiked Amount						
			Recovery	=	93.74%	
50) Toluene-d8	10.34	98	783253	47.36	ug/l	0.00
Spiked Amount						
			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.64	95	247509	47.24	ug/l	0.00
Spiked Amount						
			Recovery	=	94.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	195651	49.973	ug/l	98
3) Chloromethane	2.21	50	249538	50.075	ug/l	96
4) Vinyl Chloride	2.35	62	246150	48.576	ug/l	97
5) Bromomethane	2.77	94	149686	48.856	ug/l	95
6) Chloroethane	2.93	64	154691	50.012	ug/l	98
7) Trichlorofluoromethane	3.27	101	344829	47.531	ug/l	99
8) Diethyl Ether	3.71	74	114986	52.508	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	218341	47.658	ug/l	98
10) Methyl Iodide	4.30	142	243552	51.200	ug/l	98
11) Tert butyl alcohol	5.24	59	61044	243.270	ug/l	99
12) 1,1-Dichloroethene	4.06	96	211002	48.755	ug/l	98
13) Acrolein	3.93	56	68987	221.054	ug/l	98
14) Allyl chloride	4.71	41	355566	50.593	ug/l	100
15) Acrylonitrile	5.43	53	249930	257.784	ug/l	99
16) Acetone	4.17	43	218381	212.743	ug/l	93
17) Carbon Disulfide	4.40	76	707213	48.741	ug/l	99
18) Methyl Acetate	4.73	43	115722	50.125	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	485297	53.773	ug/l	100
20) Methylene Chloride	4.96	84	248706	54.874	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	250221	50.859	ug/l	98
22) Diisopropyl ether	6.37	45	733134	54.112	ug/l	99
23) Vinyl Acetate	6.31	43	2052429	274.788	ug/l	100
24) 1,1-Dichloroethane	6.27	63	421902	50.205	ug/l	99
25) 2-Butanone	7.23	43	306467	235.971	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343037	47.048	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	270120	51.832	ug/l	99
28) Bromochloromethane	7.55	49	167334	53.673	ug/l	97
29) Tetrahydrofuran	7.57	42	200569	263.571	ug/l	99
30) Chloroform	7.71	83	428532	50.616	ug/l	99
31) Cyclohexane	7.99	56	383301	46.423	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	367308	48.490	ug/l	99
36) 1,1-Dichloropropene	8.11	75	328595	47.596	ug/l	100
37) Ethyl Acetate	7.30	43	142955	49.532	ug/l	99
38) Carbon Tetrachloride	8.10	117	334528	47.599	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	402225	49.557	ug/l	98
40) Benzene	8.36	78	983054	50.447	ug/l	99
41) Methacrylonitrile	7.53	41	64128	38.482	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	266767	49.796	ug/l	99
43) Isopropyl Acetate	8.46	43	266546	50.787	ug/l	99
44) Trichloroethene	9.12	130	258779	47.908	ug/l	98
45) 1,2-Dichloropropane	9.40	63	245677	50.702	ug/l	100
46) Dibromomethane	9.48	93	125505	50.341	ug/l	98
47) Bromodichloromethane	9.67	83	329821	50.199	ug/l	100
48) Methyl methacrylate	9.46	41	127017	52.358	ug/l	94
49) 1,4-Dioxane	9.47	88	29049	993.451	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	692588	259.817	ug/l	100
52) Toluene	10.41	92	621781	51.549	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	314335	51.615	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	378614	51.484	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	175393	49.983	ug/l	97
56) Ethyl methacrylate	10.67	69	216486	53.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	305841	51.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	305567	239.299	ug/l	100
59) 2-Hexanone	10.99	43	471450	247.065	ug/l	98
60) Dibromochloromethane	11.14	129	225582	50.226	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165130	49.701	ug/l	100
64) Tetrachloroethene	10.88	164	221757	47.675	ug/l	96
65) Chlorobenzene	11.68	112	646493	49.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	242006	49.275	ug/l	99
67) Ethyl Benzene	11.75	91	1161192	50.377	ug/l	99
68) m/p-Xylenes	11.86	106	886919	100.572	ug/l	99
69) o-Xylene	12.19	106	399208	51.096	ug/l	99
70) Styrene	12.20	104	720686	51.954	ug/l	99
71) Bromoform	12.37	173	131563	48.275	ug/l #	100
73) Isopropylbenzene	12.48	105	1069505	50.674	ug/l	99
74) N-amyl acetate	12.30	43	239956	51.166	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183802	48.253	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	238042	87.761	ug/l #	100
77) Bromobenzene	12.77	156	259002	49.419	ug/l	99
78) n-propylbenzene	12.83	91	1272405	50.167	ug/l	99
79) 2-Chlorotoluene	12.91	91	718628	50.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	885067	50.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60359	48.048	ug/l	98
82) 4-Chlorotoluene	13.01	91	749016	49.655	ug/l	100
83) tert-Butylbenzene	13.23	119	734542	50.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	883764	50.793	ug/l	99
85) sec-Butylbenzene	13.41	105	1036852	49.389	ug/l	100
86) p-Isopropyltoluene	13.53	119	963660	50.194	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	493103	48.669	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	489393	48.941	ug/l	99
89) n-Butylbenzene	13.86	91	875627	49.495	ug/l	99
90) Hexachloroethane	14.12	117	190411	48.846	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	429066	49.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27723	47.228	ug/l	95

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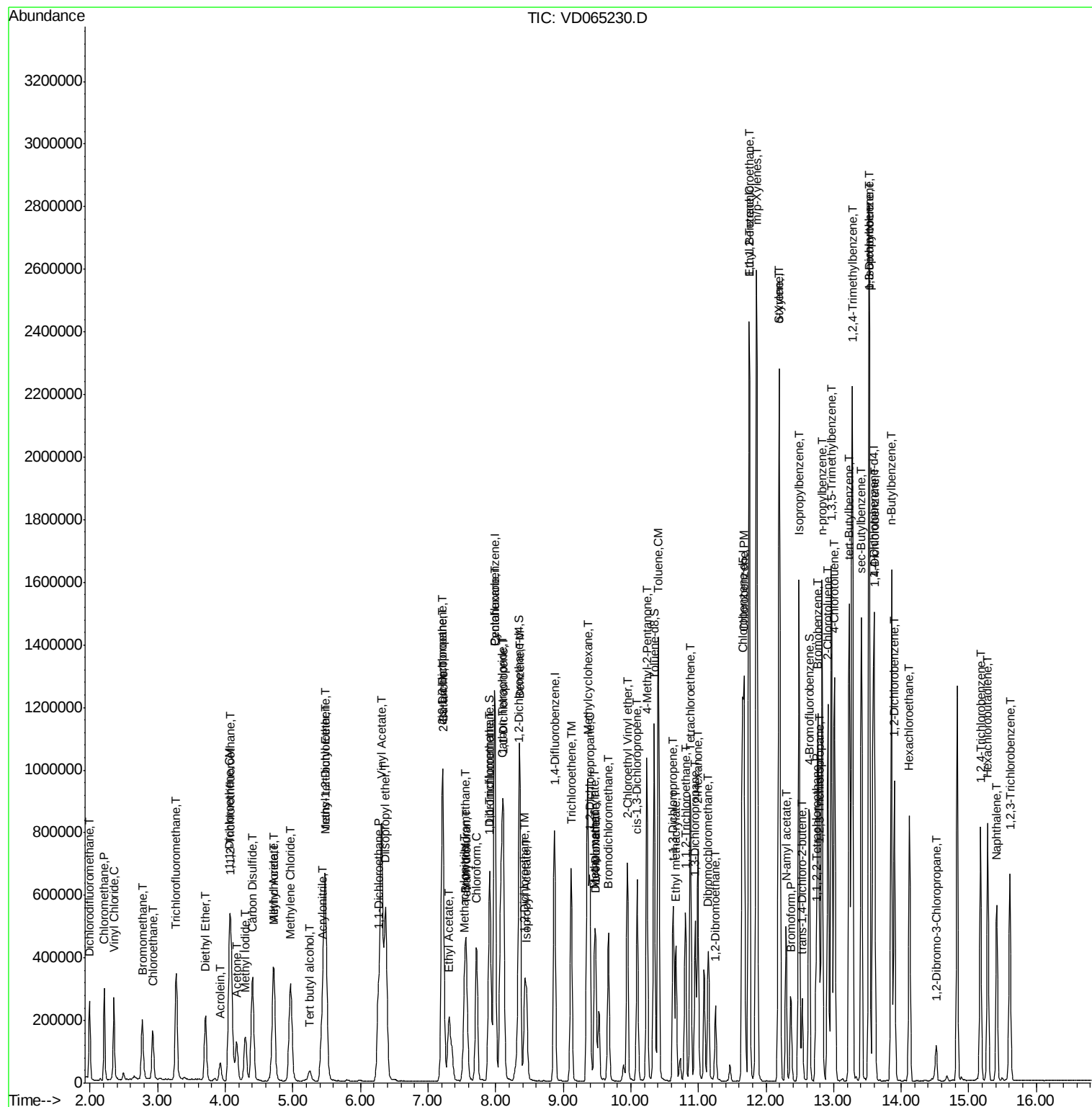
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	282061	49.567	ug/l	99
94) Hexachlorobutadiene	15.28	225	167566	45.904	ug/l	99
95) Naphthalene	15.41	128	485773	52.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	250238	50.351	ug/l	99

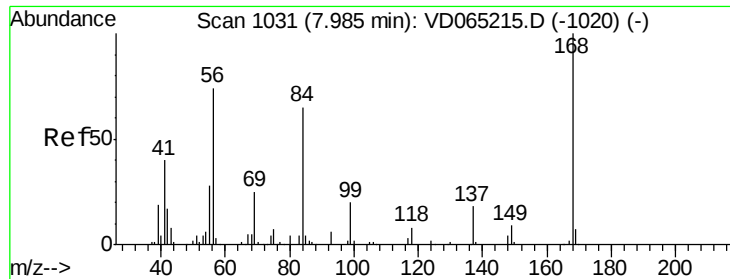
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

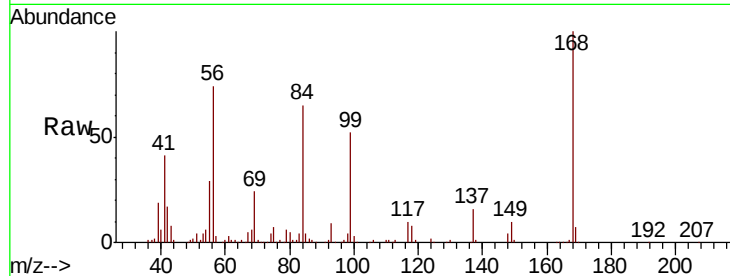
VSTDCCC050EC

Tot Ion:168 Resp: 466787

Ion Ratio Lower Upper

168 100

99 52.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

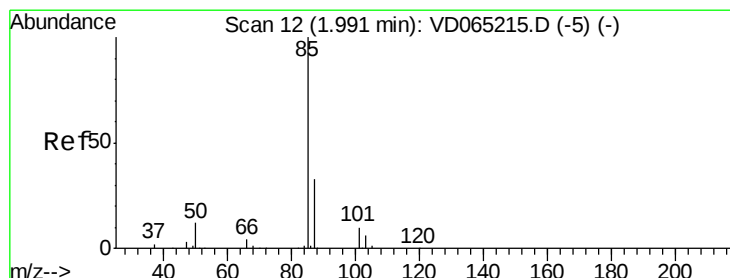
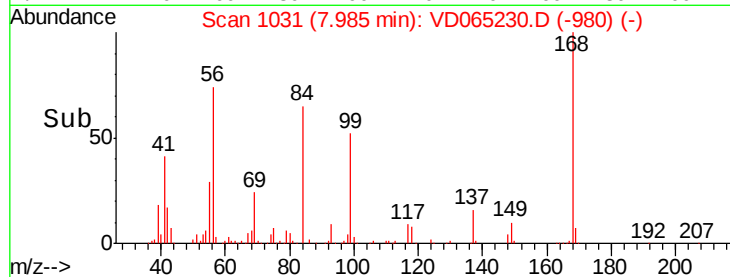
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.973 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065230.D

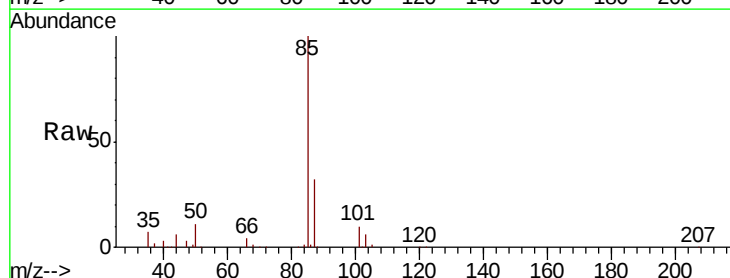
Acq: 18 Feb 2020 20:36

Tgt Ion: 85 Resp: 195651

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

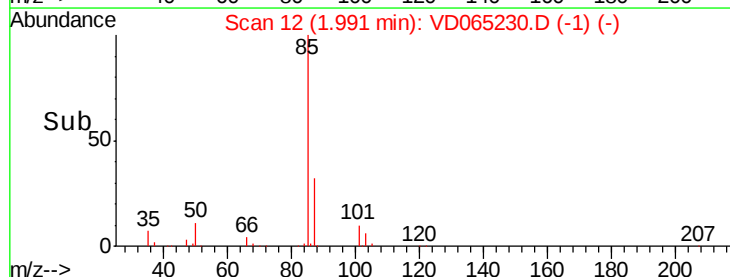
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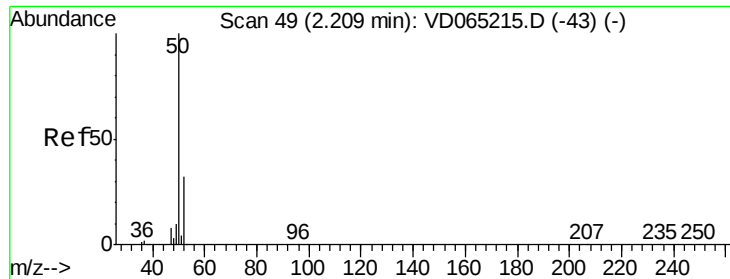
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.075 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

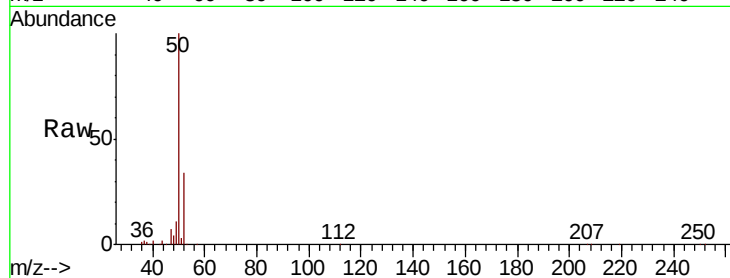
VSTDCCC050EC

Tot Ion: 50 Resp: 249538

Ion Ratio Lower Upper

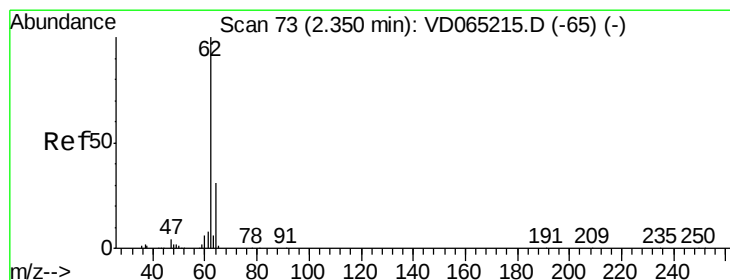
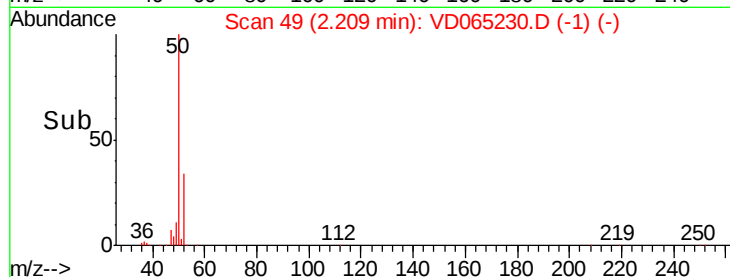
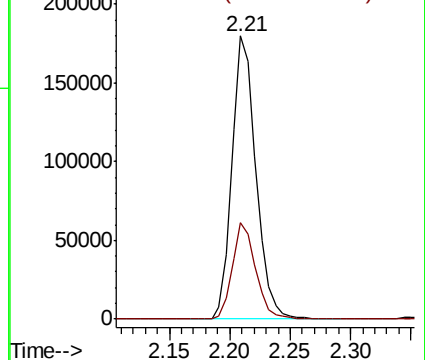
50 100

52 34.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.576 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065230.D

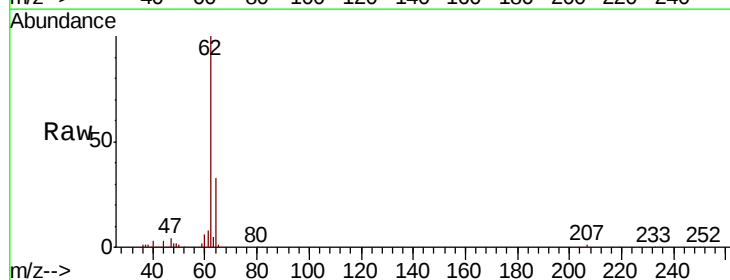
Acq: 18 Feb 2020 20:36

Tgt Ion: 62 Resp: 246150

Ion Ratio Lower Upper

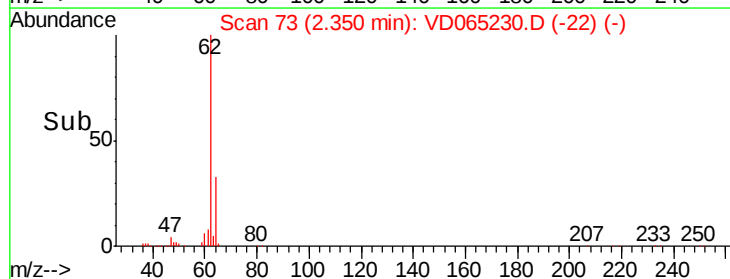
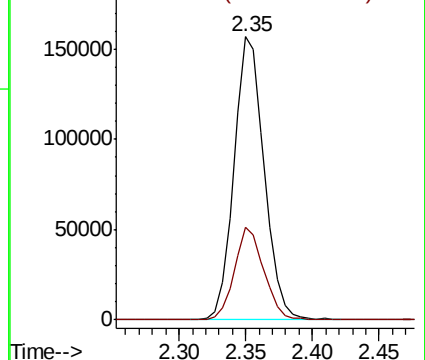
62 100

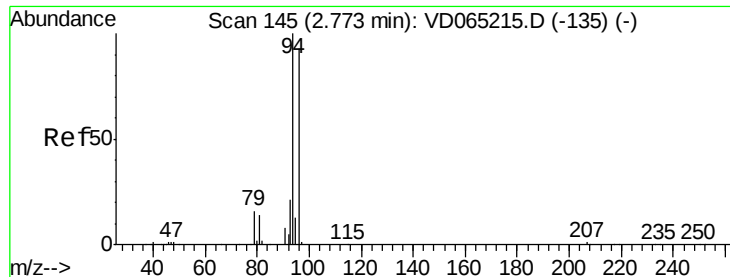
64 32.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.856 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

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ClientSampleId :

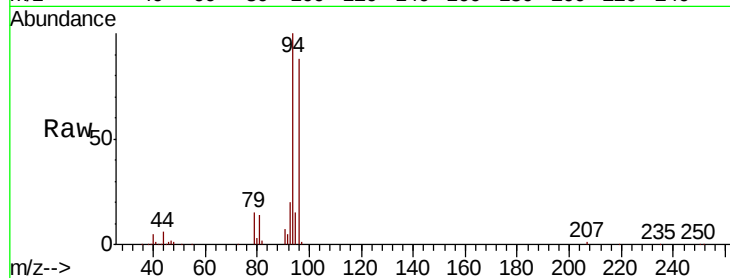
VSTDCCC050EC

Tot Ion: 94 Resp: 149686

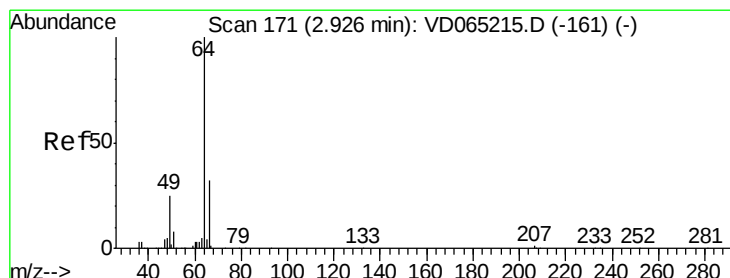
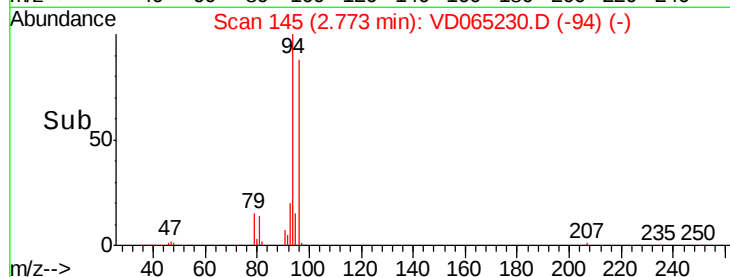
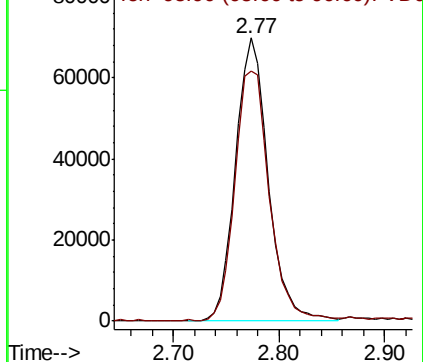
Ion Ratio Lower Upper

94 100

96 87.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.012 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065230.D

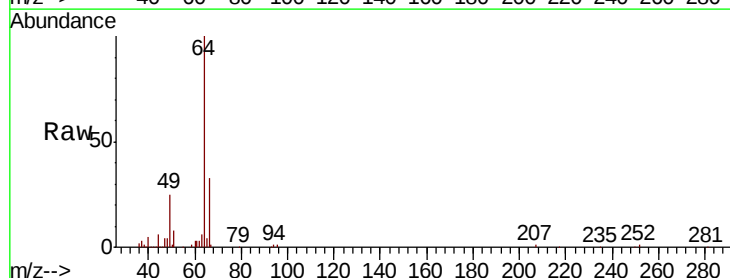
Acq: 18 Feb 2020 20:36

Tgt Ion: 64 Resp: 154691

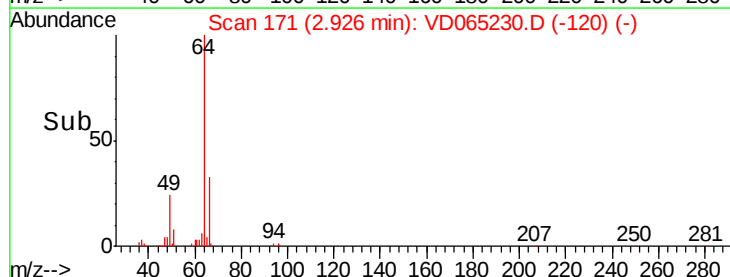
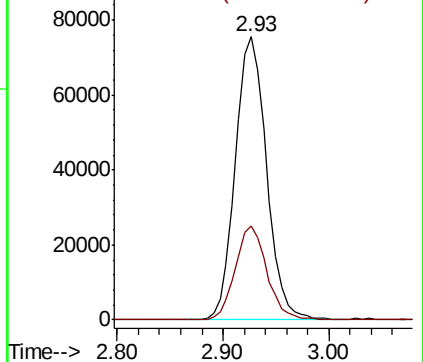
Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



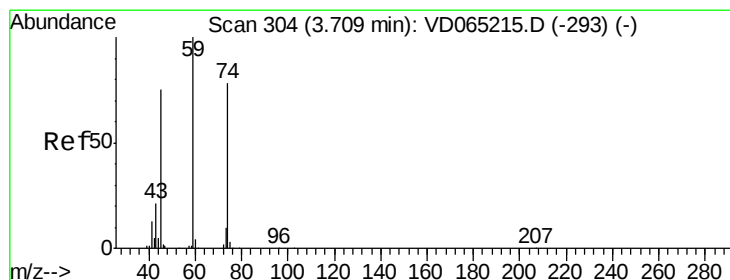
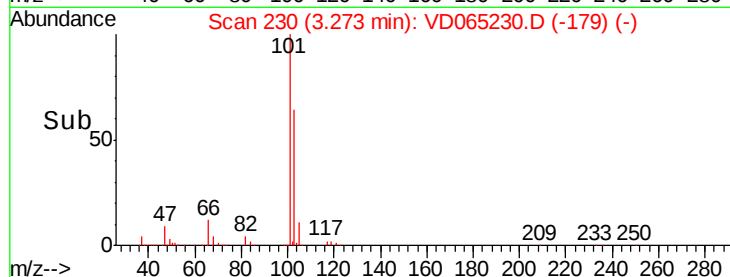
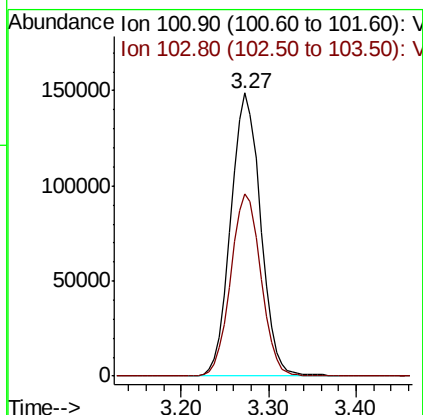
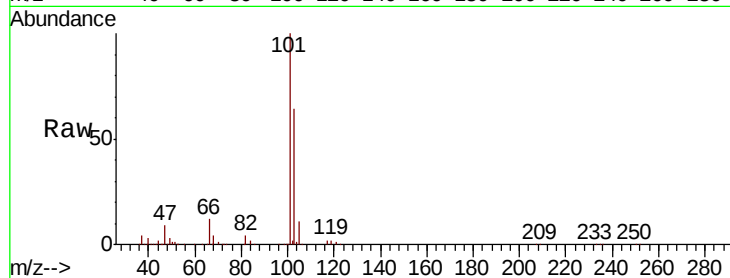


#7

Trichlorofluoromethane
 Concen: 47.531 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
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 VSTDCCC050EC

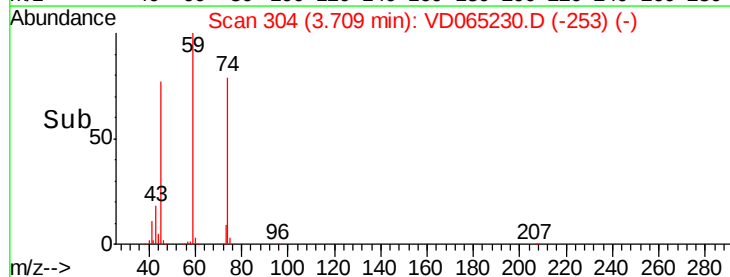
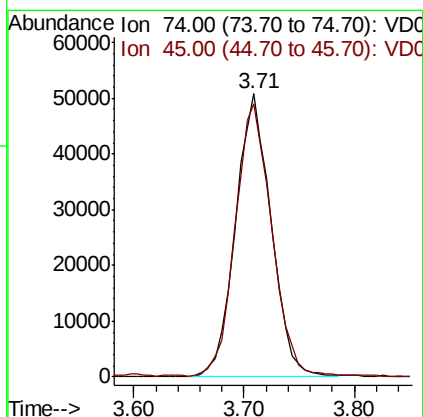
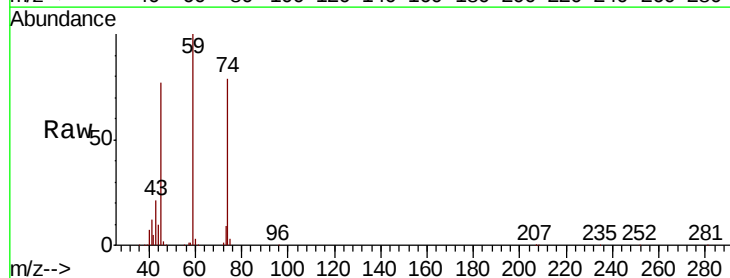
Tot Ion:101 Resp: 344829
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.7 76.1



#8

Diethyl Ether
 Concen: 52.508 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 74 Resp: 114986
 Ion Ratio Lower Upper
 74 100
 45 99.6 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.658 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

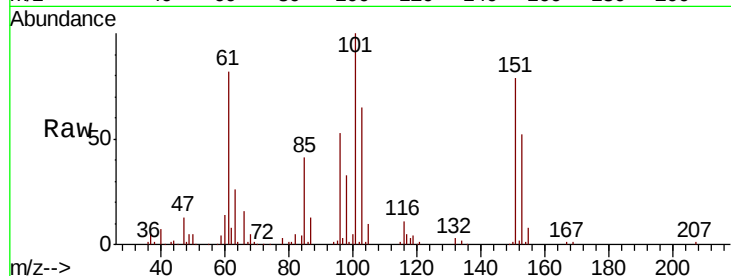
Tot Ion:101 Resp: 218341

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

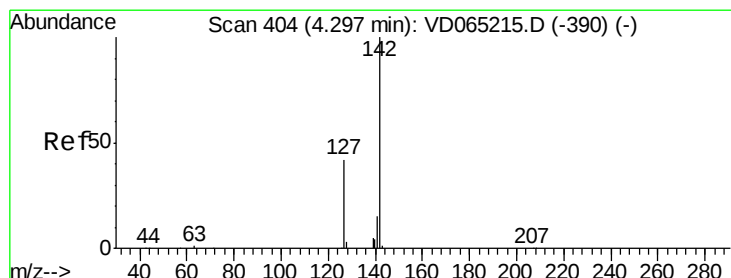
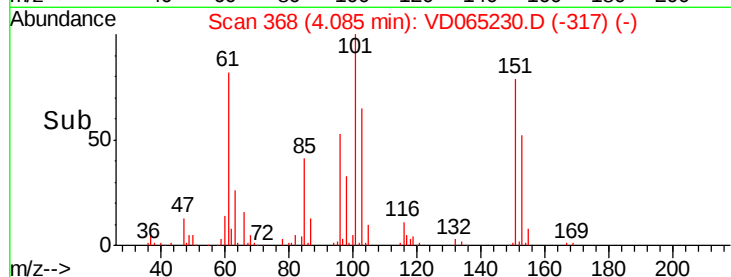
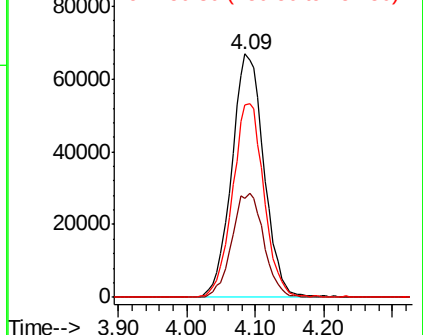
151 77.6 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.200 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

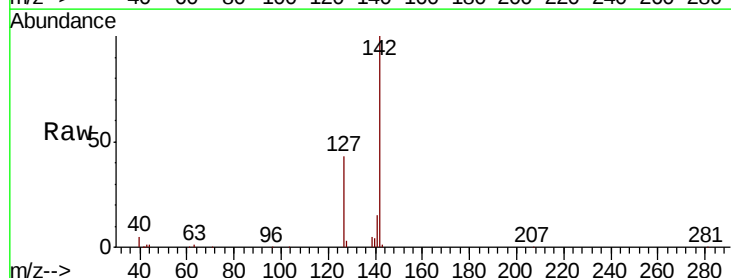
Tgt Ion:142 Resp: 243552

Ion Ratio Lower Upper

142 100

127 43.8 33.8 50.8

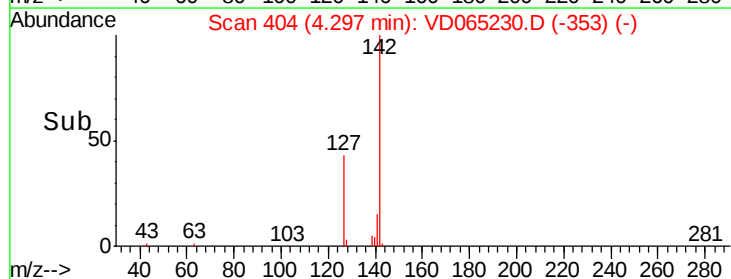
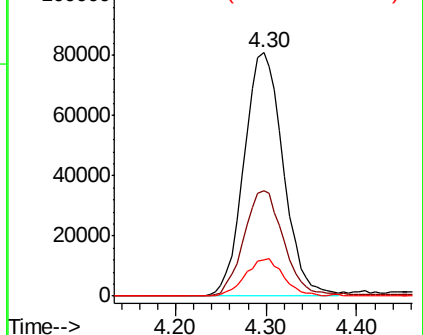
141 14.8 11.7 17.5

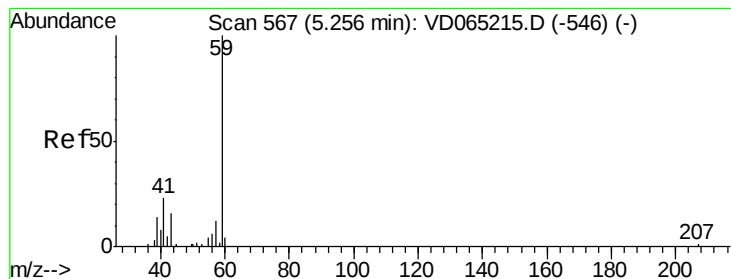


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 243.270 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

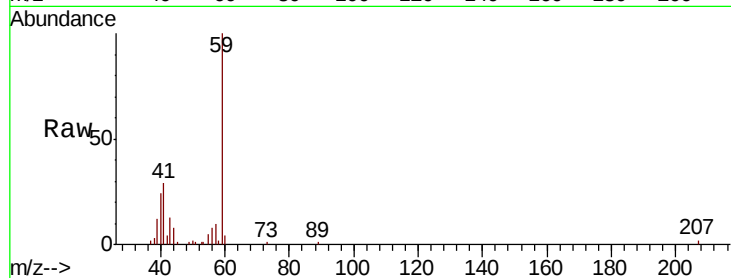
VSTDCCC050EC

Tot Ion: 59 Resp: 61044

Ion Ratio Lower Upper

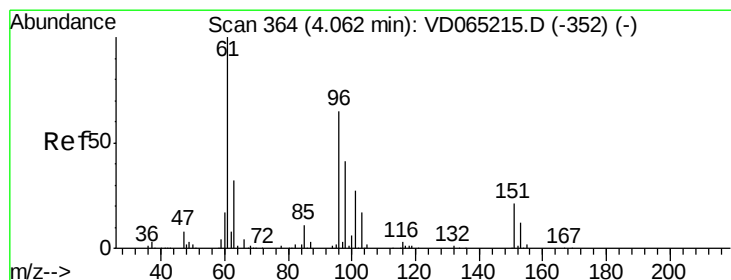
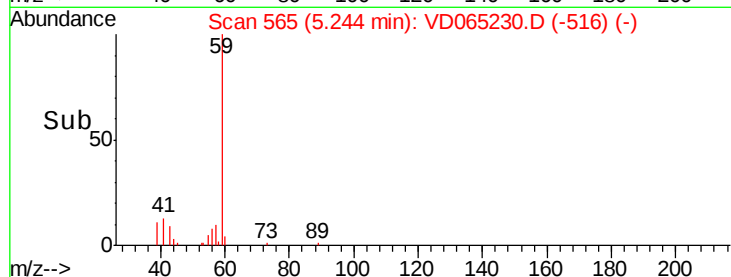
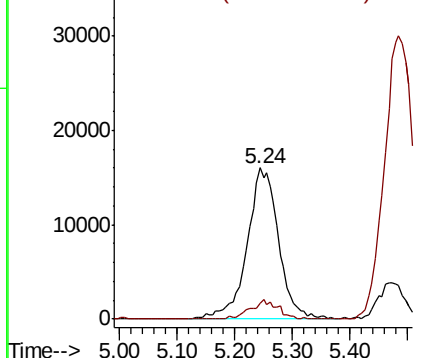
59 100

57 10.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 48.755 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

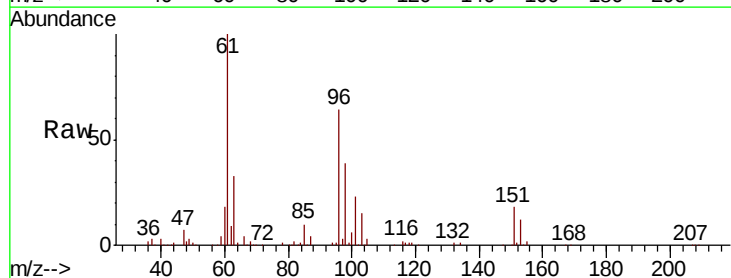
Tgt Ion: 96 Resp: 211002

Ion Ratio Lower Upper

96 100

61 156.5 123.3 184.9

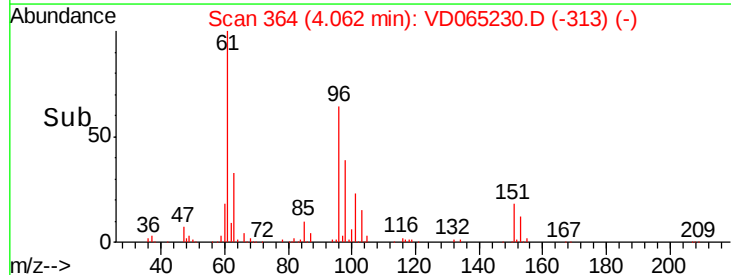
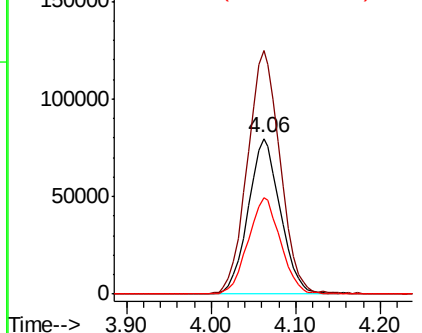
98 61.7 51.0 76.4

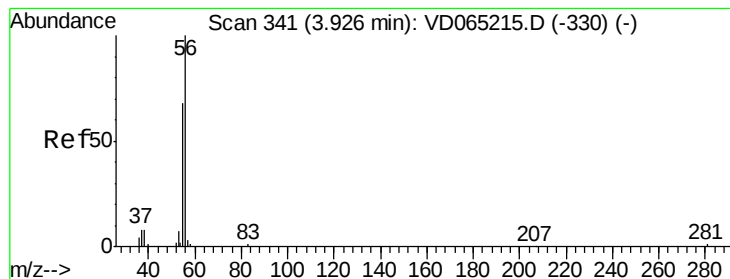


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 221.054 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

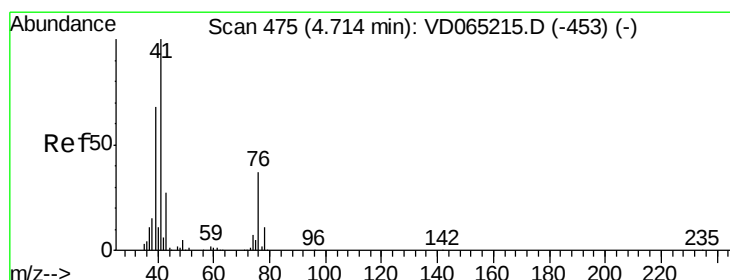
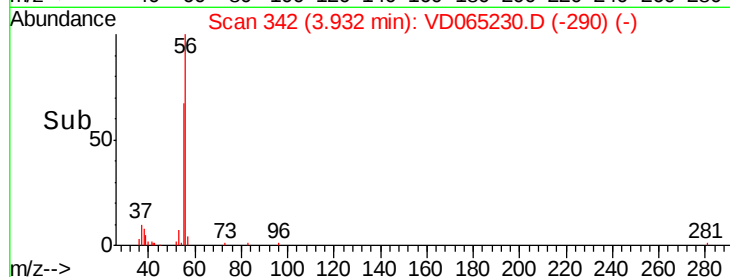
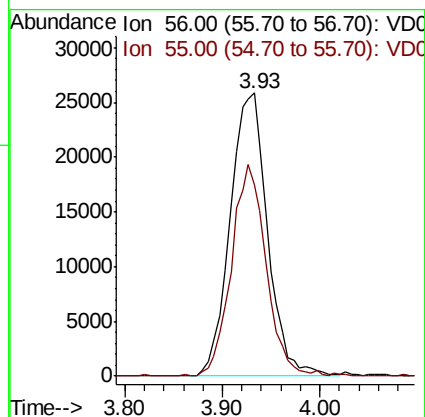
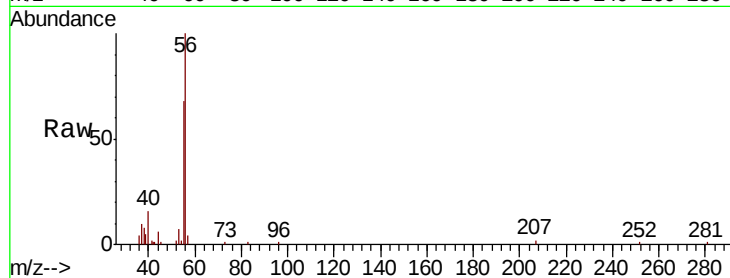
VSTDCCC050EC

Tot Ion: 56 Resp: 68987

Ion Ratio Lower Upper

56 100

55 69.2 56.6 85.0



#14

Allyl chloride

Concen: 50.593 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

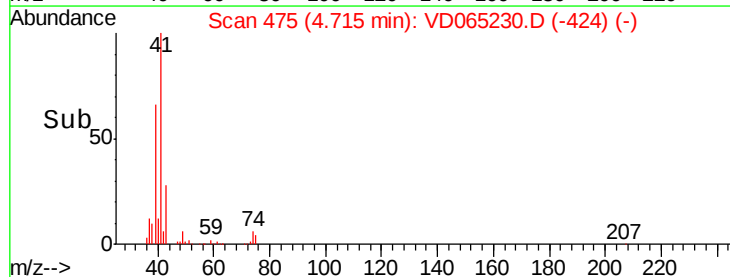
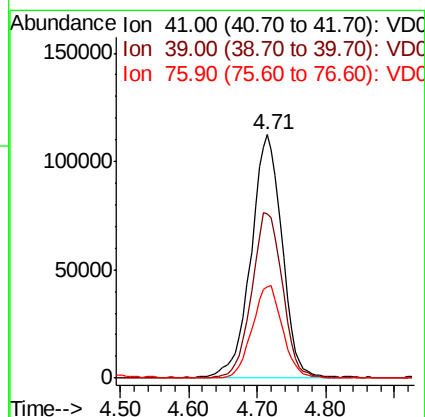
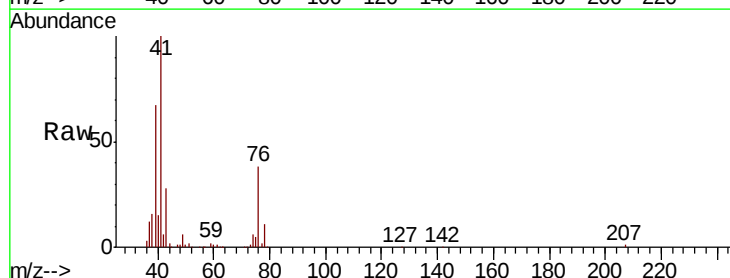
Tgt Ion: 41 Resp: 355566

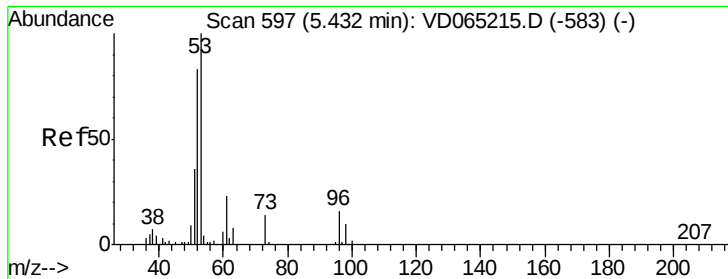
Ion Ratio Lower Upper

41 100

39 67.3 53.8 80.6

76 36.2 28.7 43.1





#15

Acrylonitrile

Concen: 257.784 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

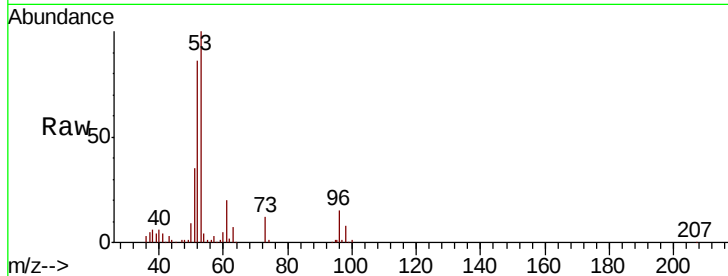
Tot Ion: 53 Resp: 249930

Ion Ratio Lower Upper

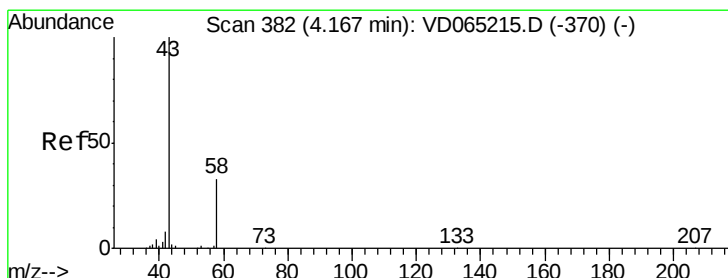
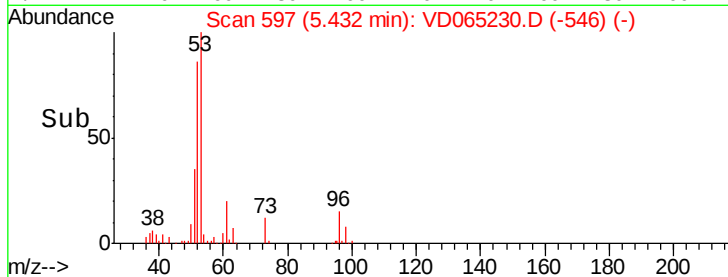
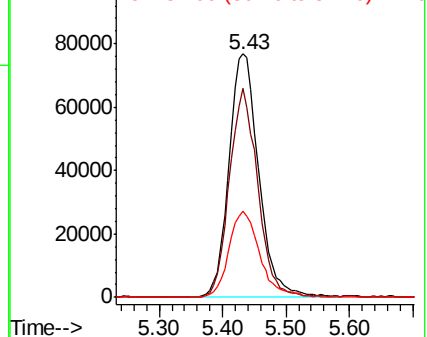
53 100

52 81.1 65.4 98.2

51 36.8 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 212.743 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065230.D

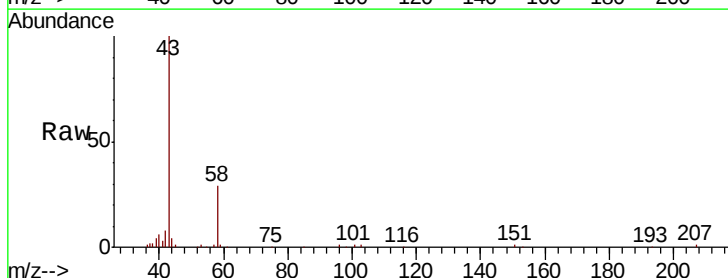
Acq: 18 Feb 2020 20:36

Tgt Ion: 43 Resp: 218381

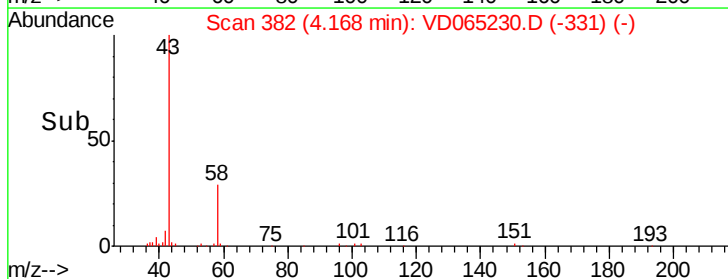
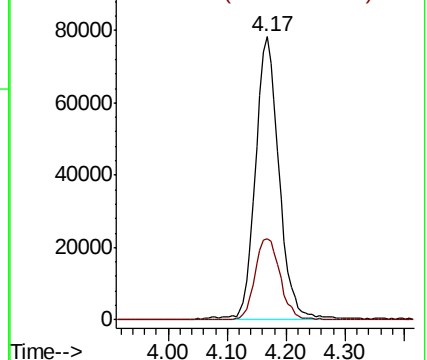
Ion Ratio Lower Upper

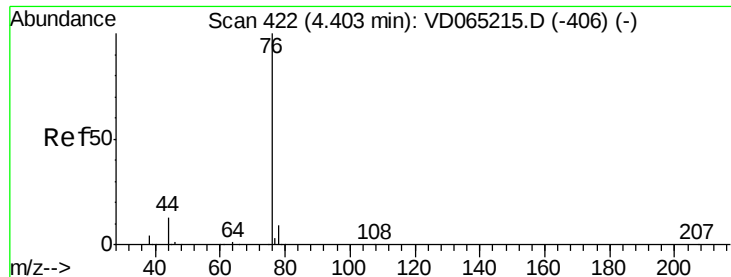
43 100

58 28.8 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

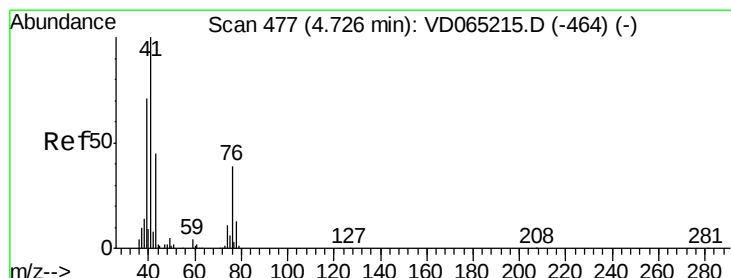
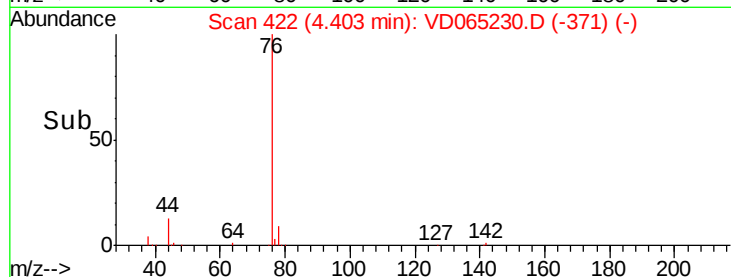
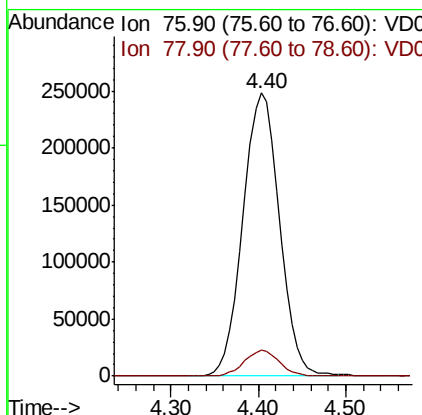
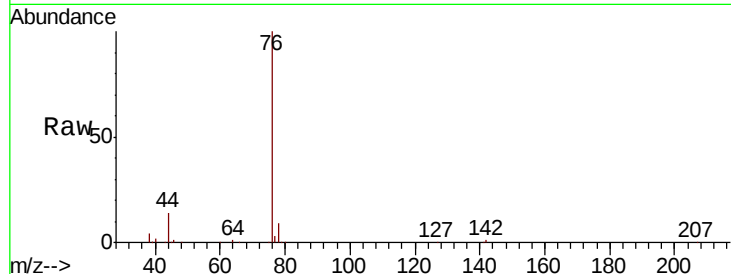




#17
Carbon Disulfide
Concen: 48.741 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

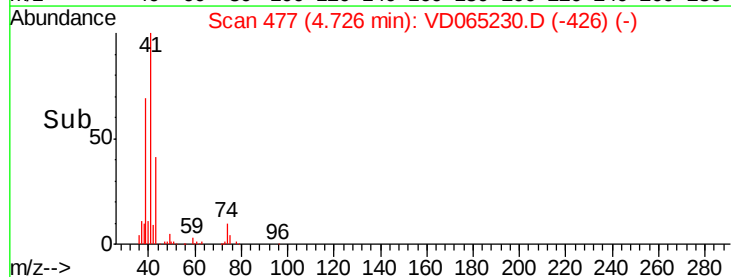
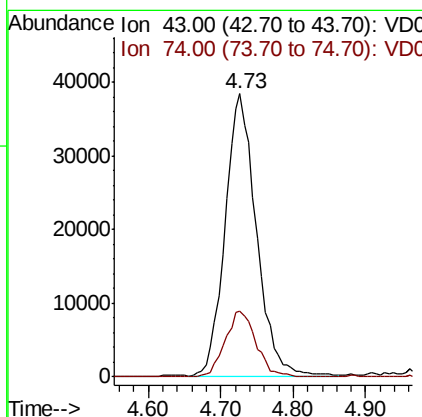
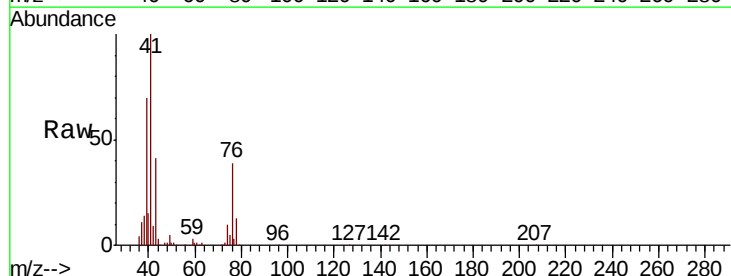
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

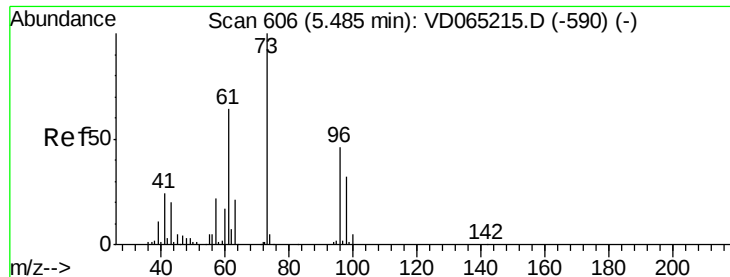
Tot Ion: 76 Resp: 707213
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 50.125 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 43 Resp: 115722
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2

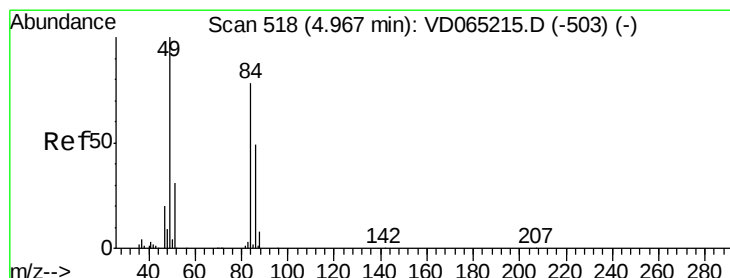
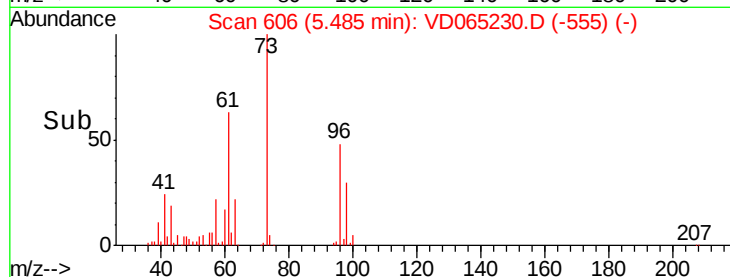
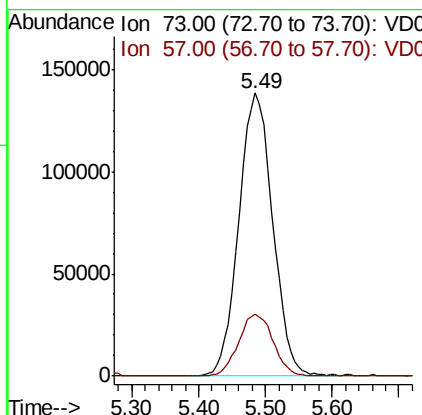
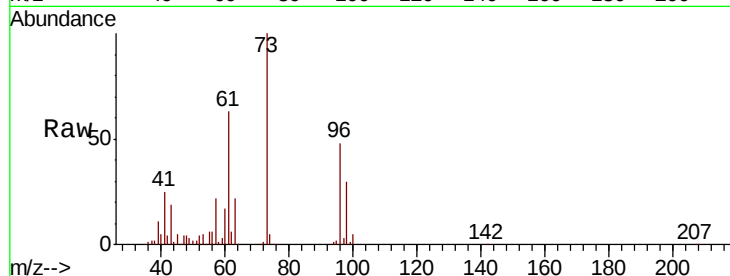




#19
Methvl tert-butvl Ether
Concen: 53.773 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

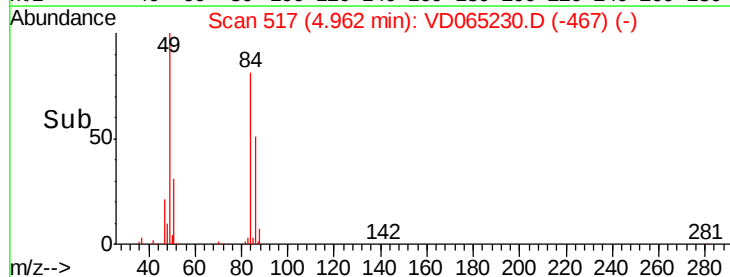
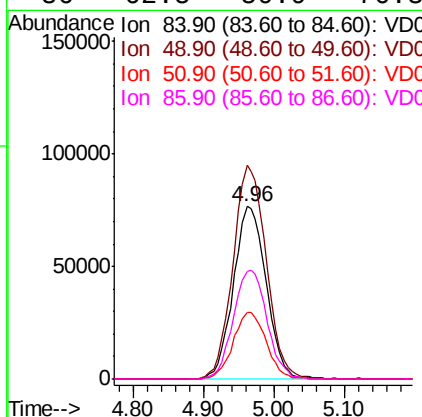
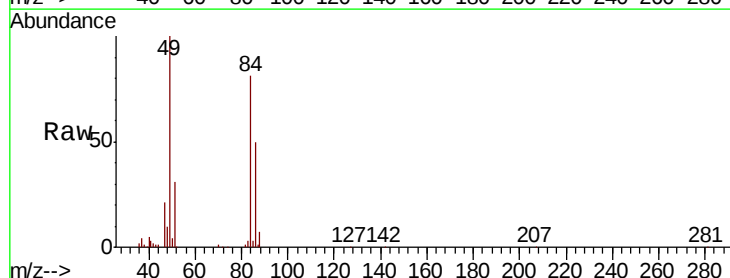
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

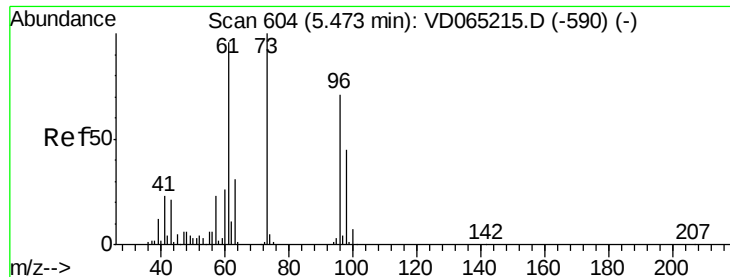
Tot Ion: 73 Resp: 485297
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 54.874 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 84 Resp: 248706
Ion Ratio Lower Upper
84 100
49 124.0 103.1 154.7
51 38.5 31.7 47.5
86 62.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.859 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

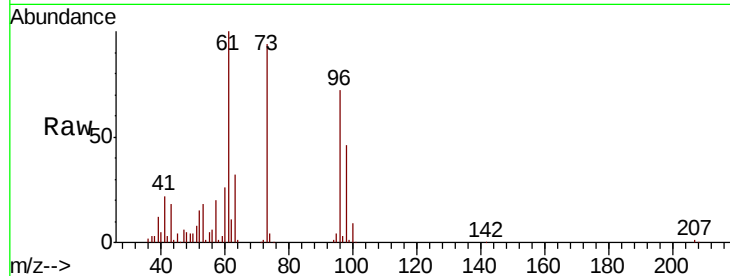
Tot Ion: 96 Resp: 250221

Ion Ratio Lower Upper

96 100

61 138.9 108.3 162.5

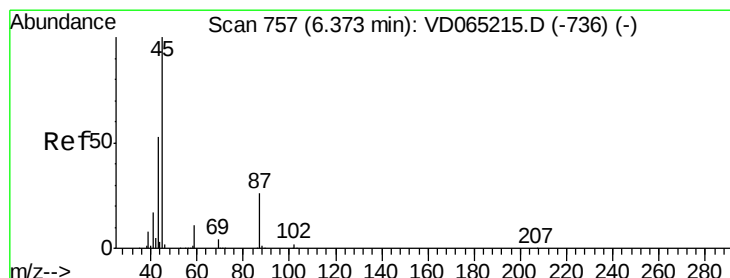
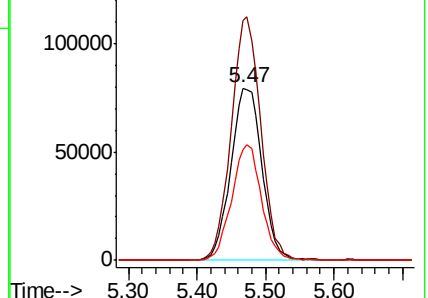
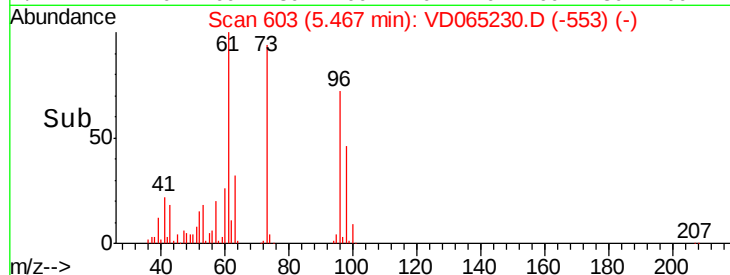
98 63.8 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.112 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion: 45 Resp: 733134

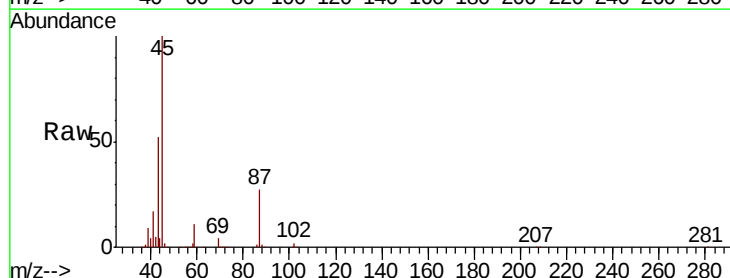
Ion Ratio Lower Upper

45 100

43 51.8 42.6 64.0

87 26.9 21.2 31.8

59 11.1 8.9 13.3

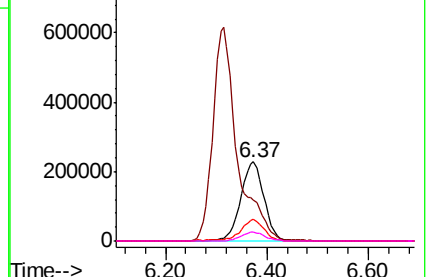
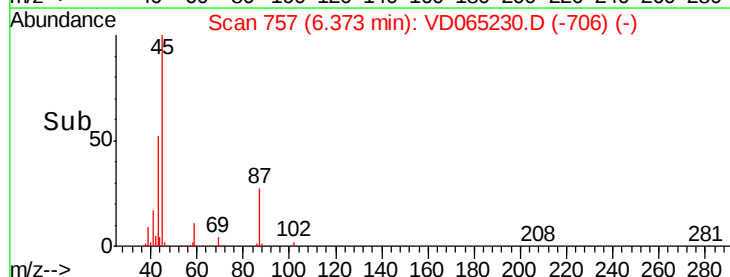


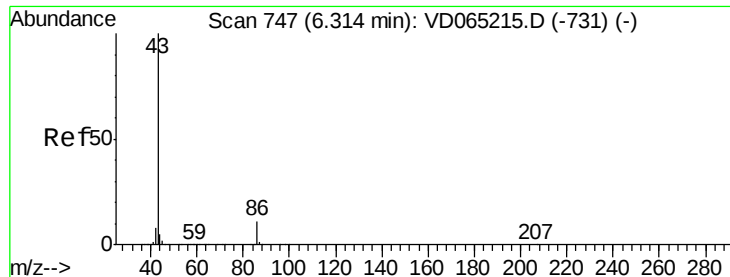
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 274.788 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

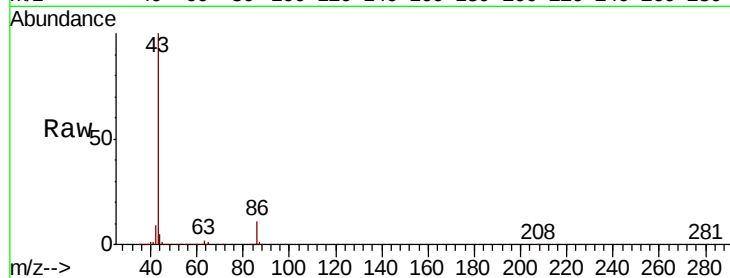
VSTDCCC050EC

Tot Ion: 43 Resp: 2052429

Ion Ratio Lower Upper

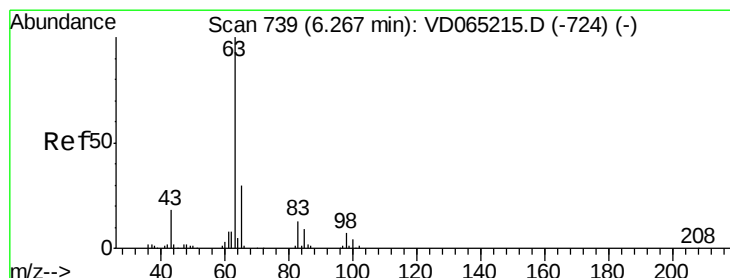
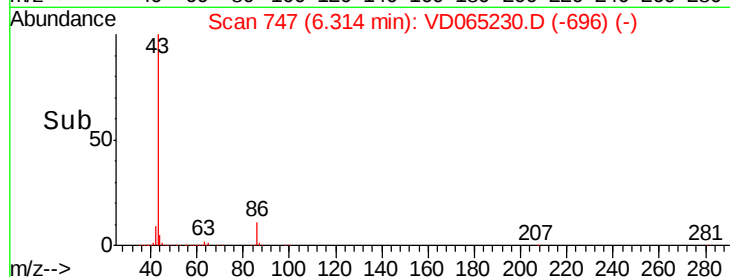
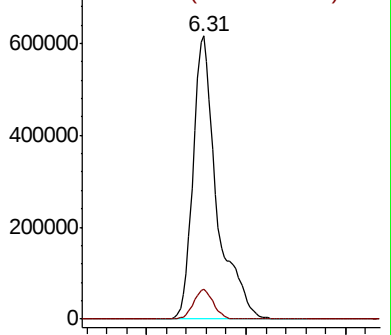
43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.205 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

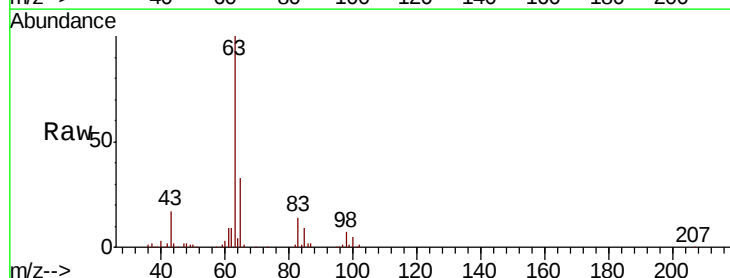
Tgt Ion: 63 Resp: 421902

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

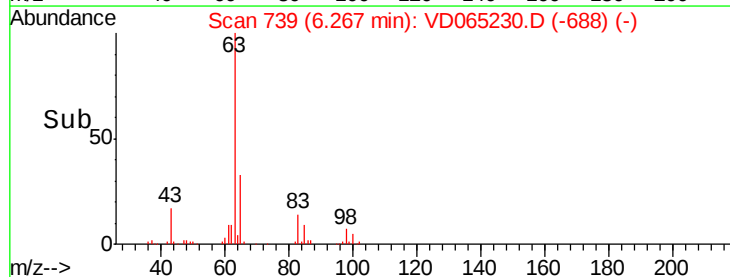
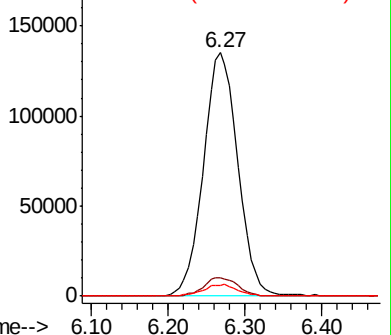
100 4.6 2.3 6.8

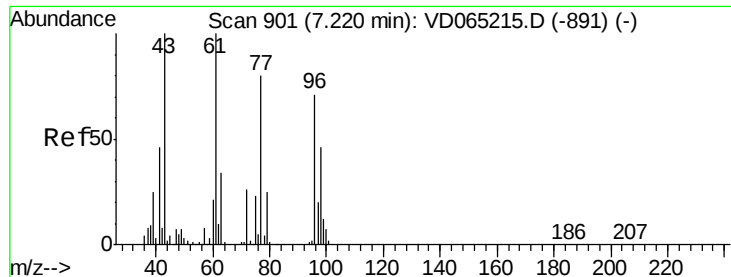


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 235.971 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

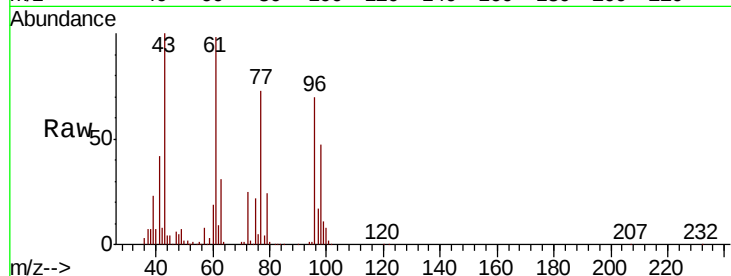
VSTDCCC050EC

Tot Ion: 43 Resp: 306467

Ion Ratio Lower Upper

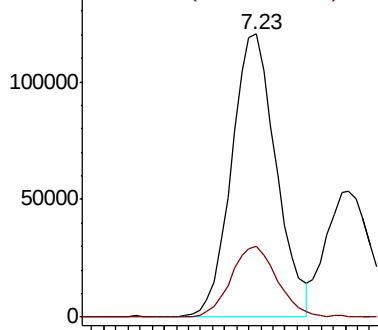
43 100

72 25.0 20.9 31.3

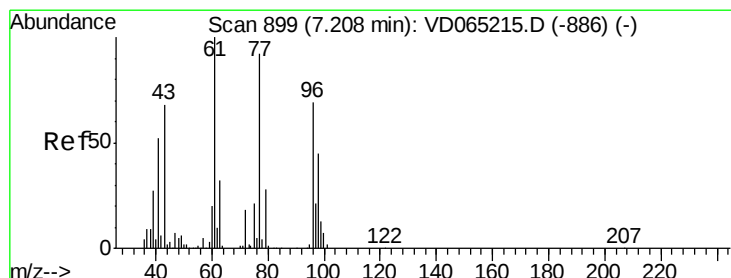
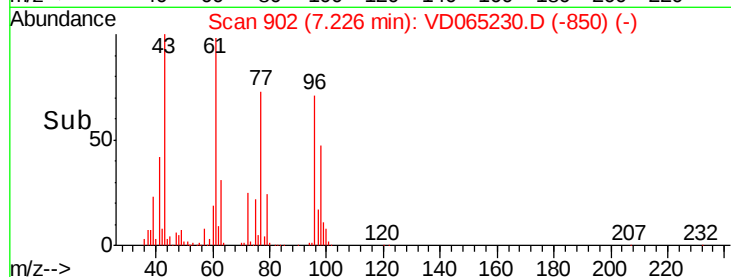


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 47.048 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065230.D

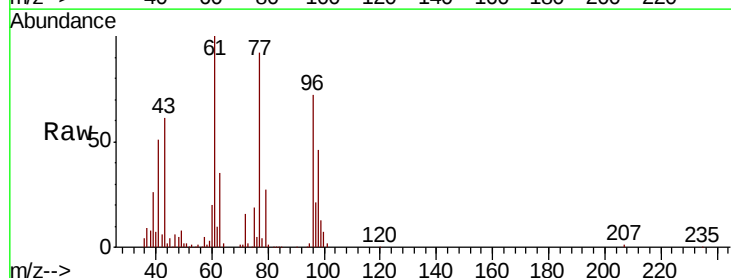
Acq: 18 Feb 2020 20:36

Tgt Ion: 77 Resp: 343037

Ion Ratio Lower Upper

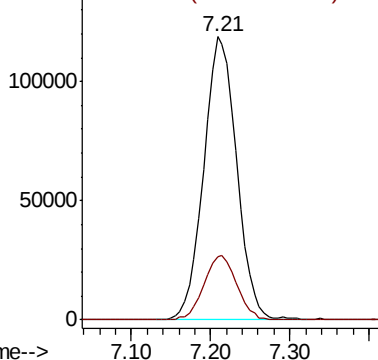
77 100

97 22.7 11.7 35.1

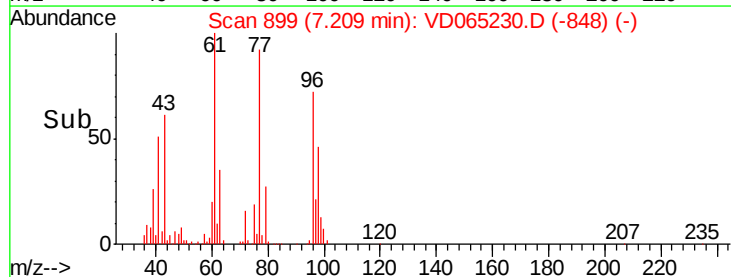


Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->



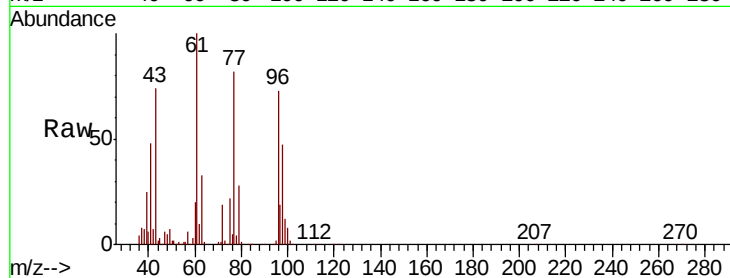


#27

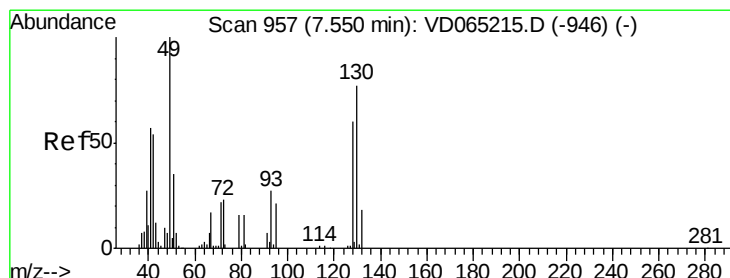
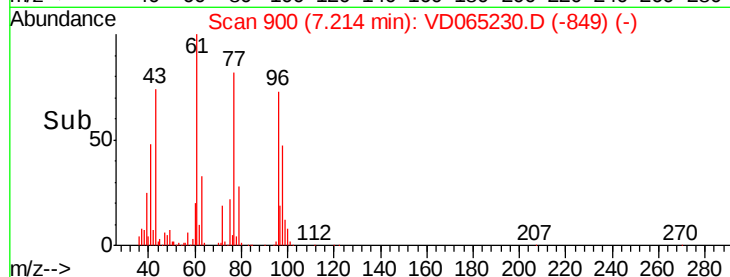
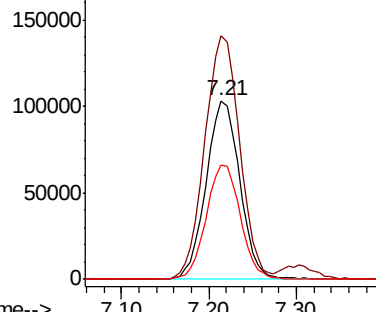
cis-1,2-Dichloroethene
 Concen: 51.832 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 270120
 Ion Ratio Lower Upper
 96 100
 61 141.3 0.0 286.0
 98 64.5 0.0 127.8



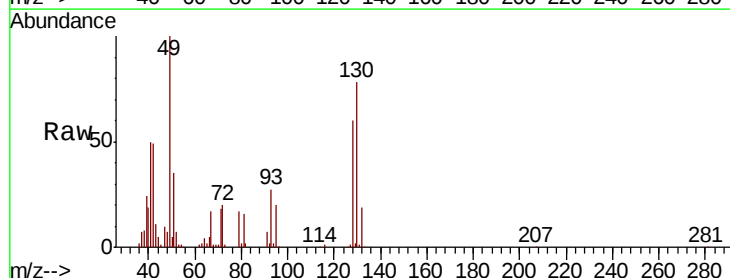
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



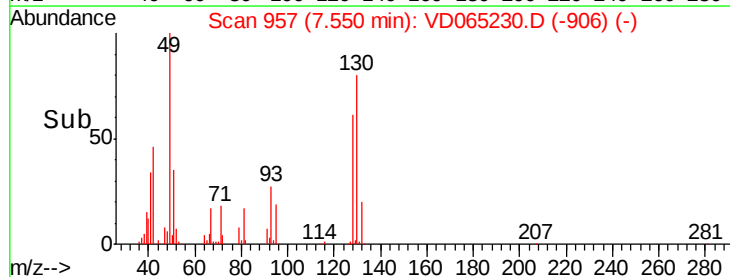
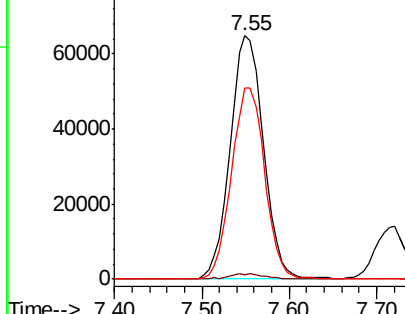
#28

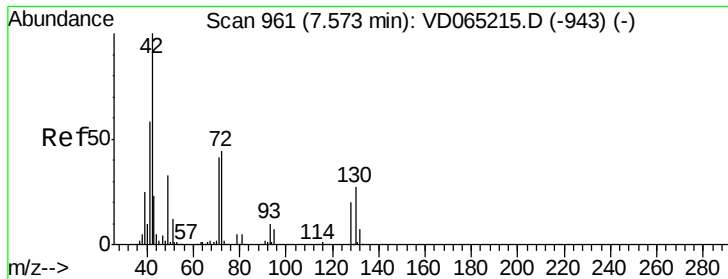
Bromochloromethane
 Concen: 53.673 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 49 Resp: 167334
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 78.3 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

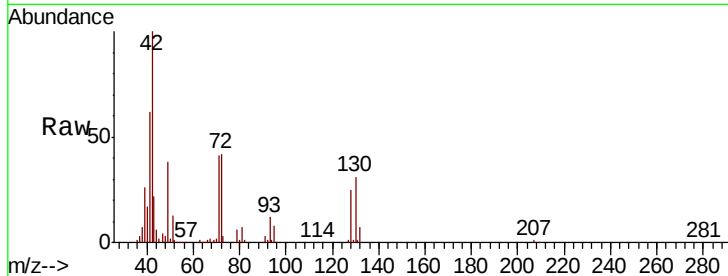




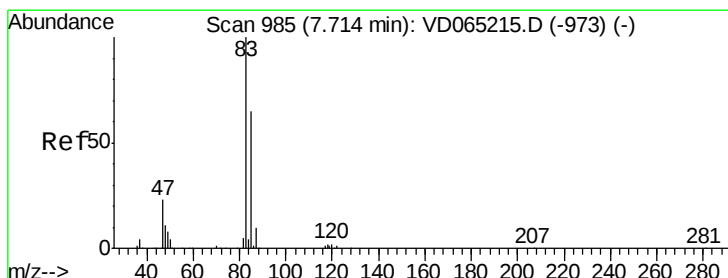
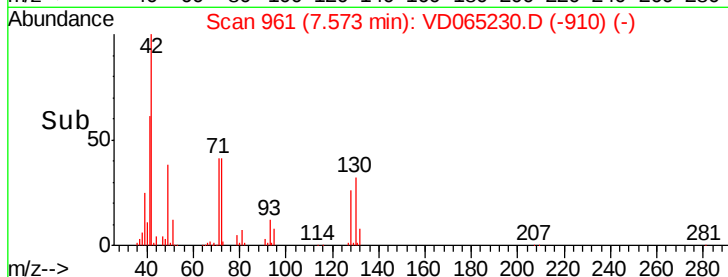
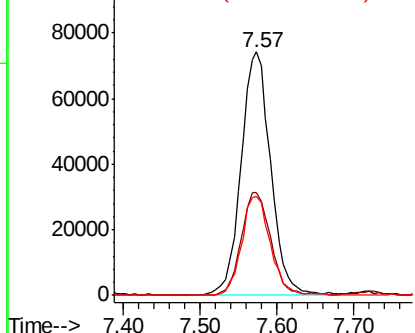
#29
Tetrahydrofuran
Concen: 263.571 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 200569
Ion Ratio Lower Upper
42 100
72 41.5 33.7 50.5
71 39.2 31.4 47.2

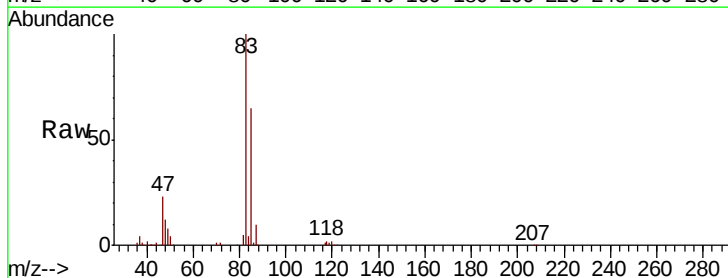


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

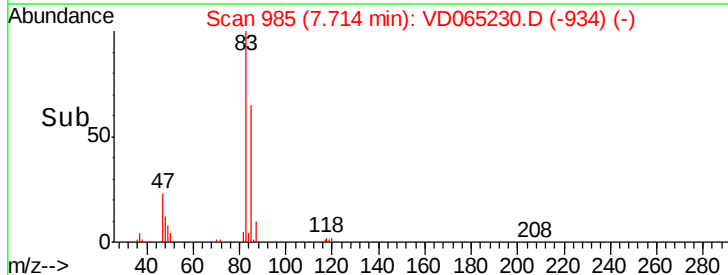
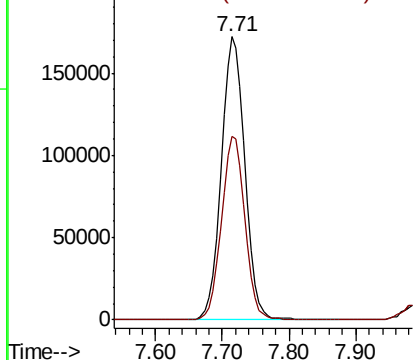


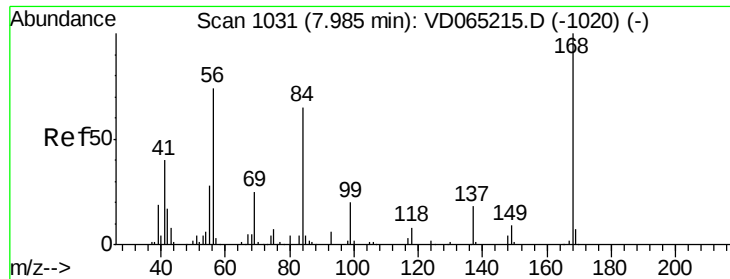
#30
Chloroform
Concen: 50.616 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 83 Resp: 428532
Ion Ratio Lower Upper
83 100
85 65.0 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

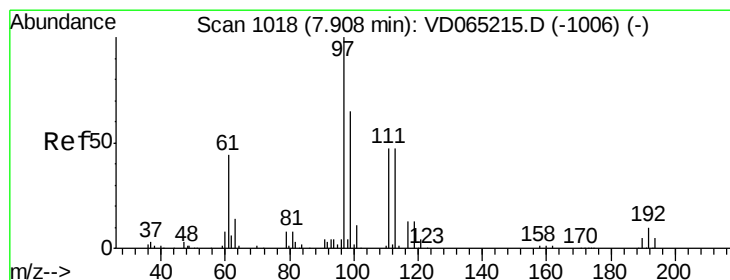
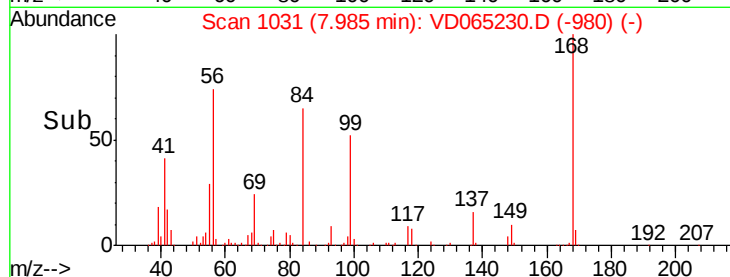
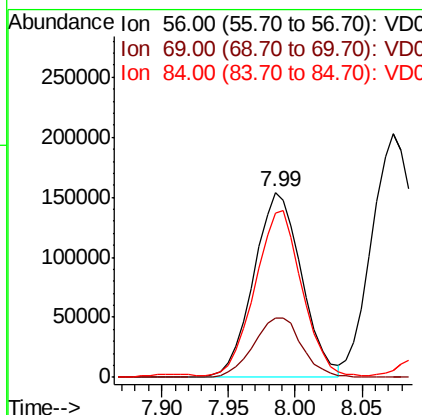
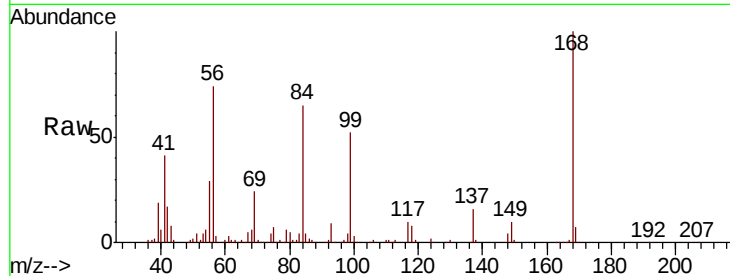




#31
Cyclohexane
Concen: 46.423 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

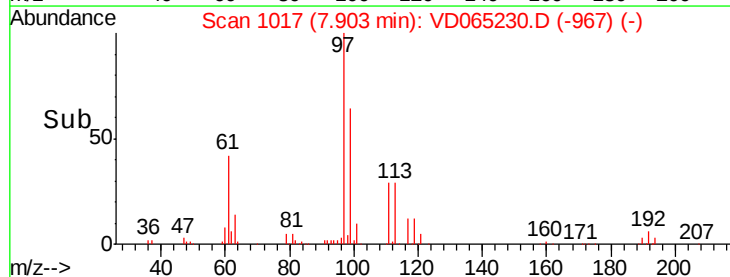
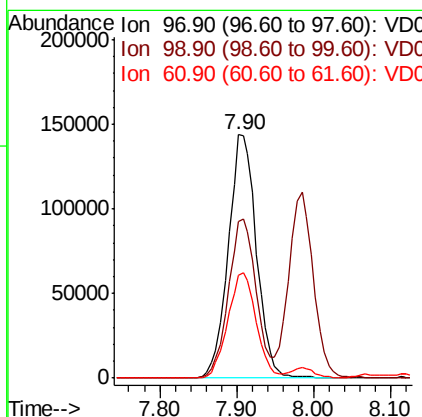
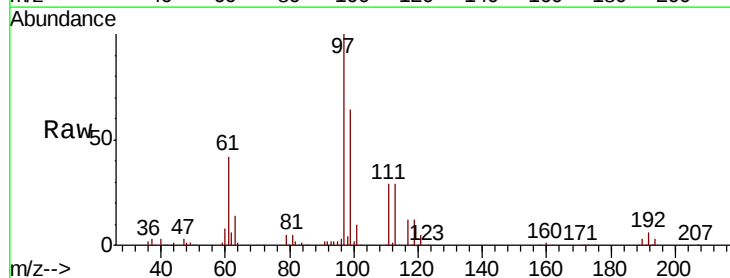
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 383301
Ion Ratio Lower Upper
56 100
69 32.4 27.4 41.0
84 87.0 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 48.490 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 97 Resp: 367308
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.2
61 43.7 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 47.723 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

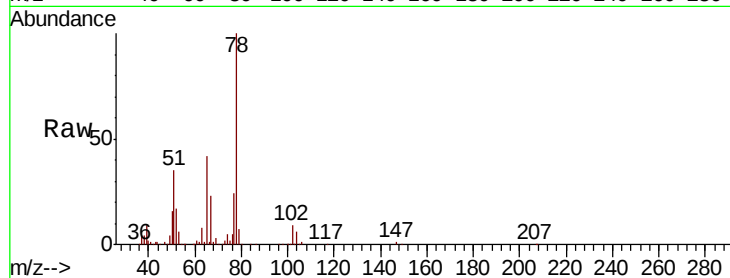
VSTDCCC050EC

Tot Ion: 65 Resp: 200402

Ion Ratio Lower Upper

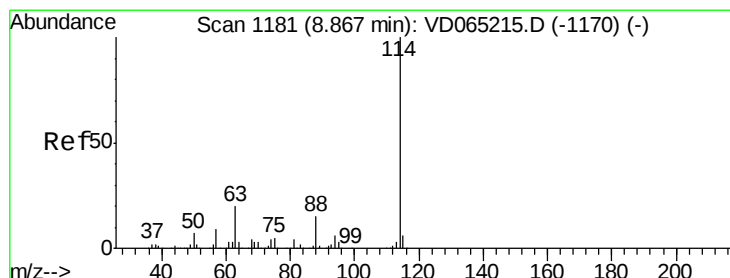
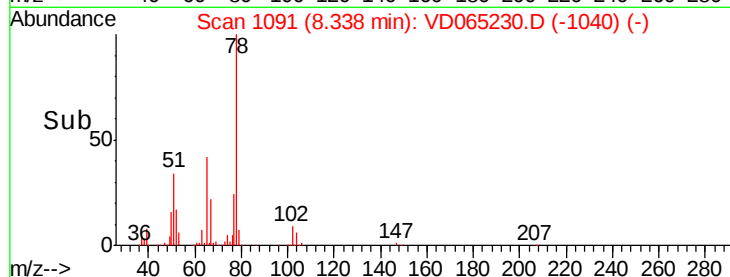
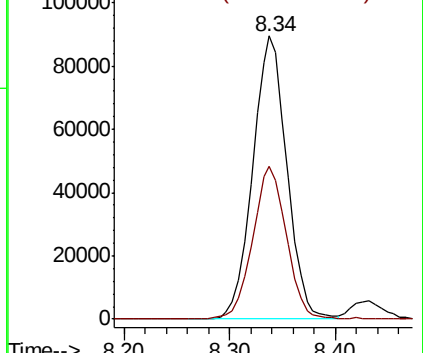
65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

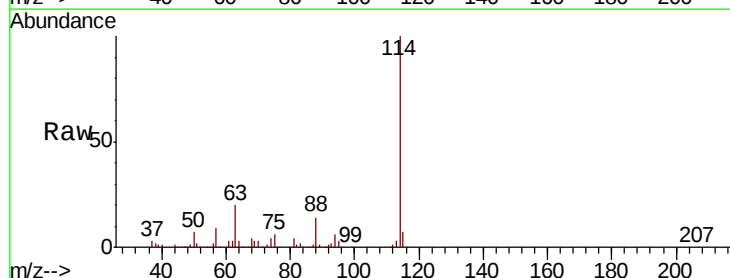
Tgt Ion: 114 Resp: 709535

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

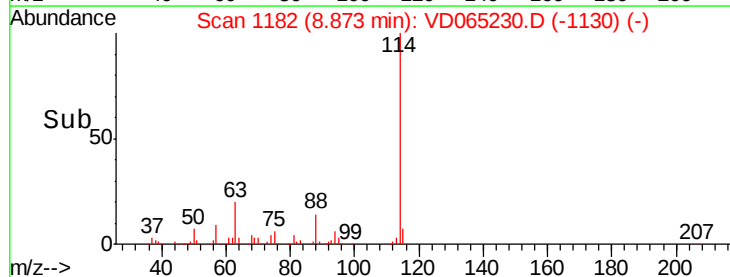
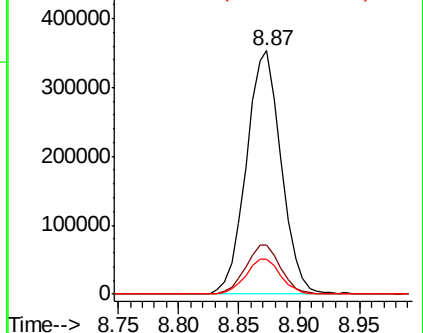
88 14.4 0.0 30.4

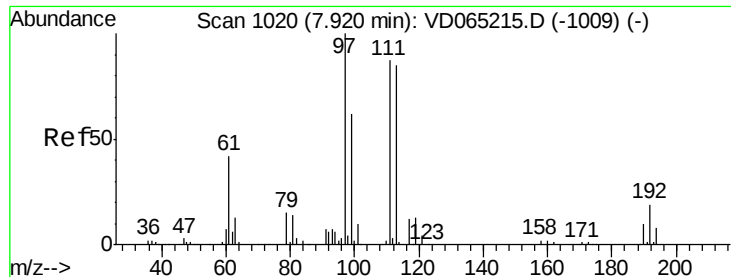


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

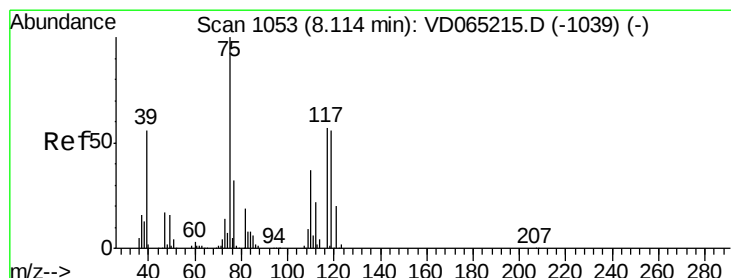
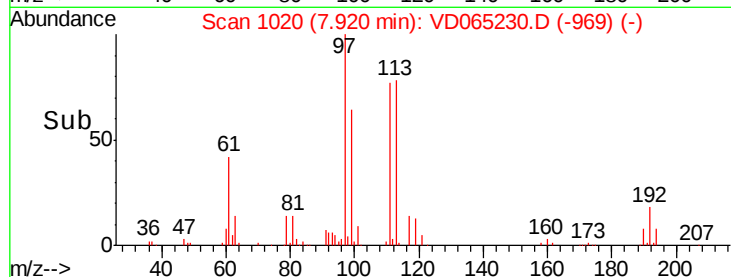
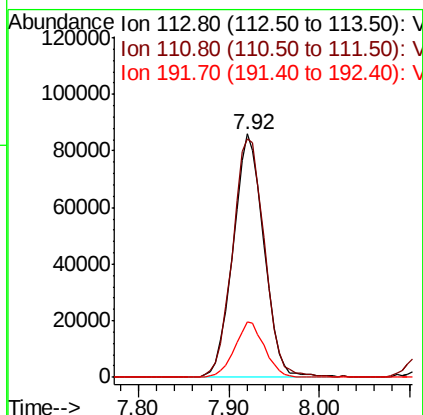
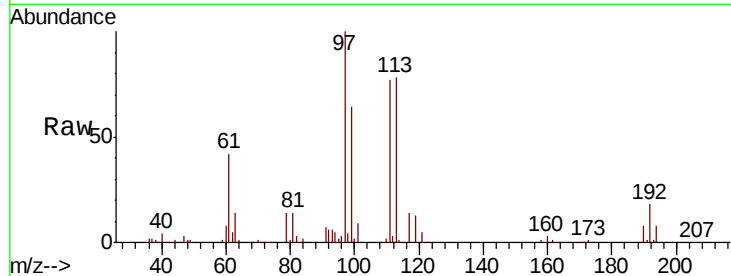




#35
 Dibromofluoromethane
 Concen: 46.869 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

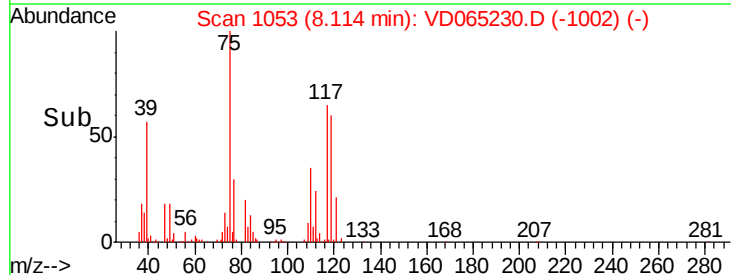
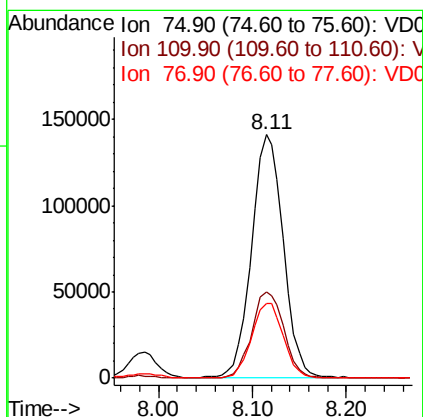
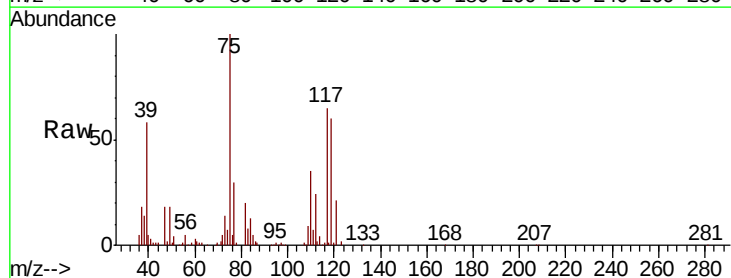
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

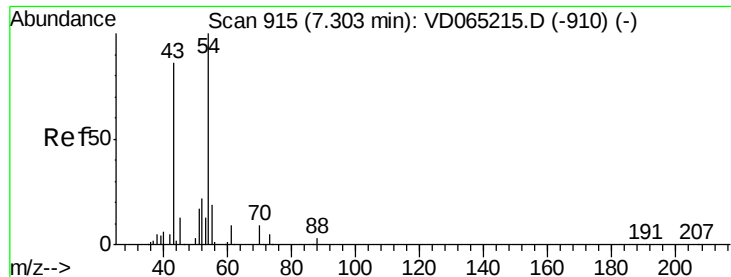
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 47.596 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.9	53.7
77	31.3	25.1	37.7

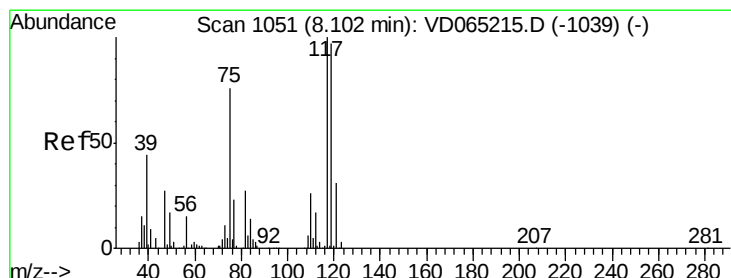
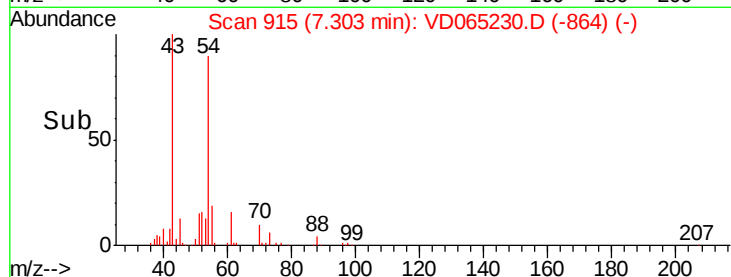
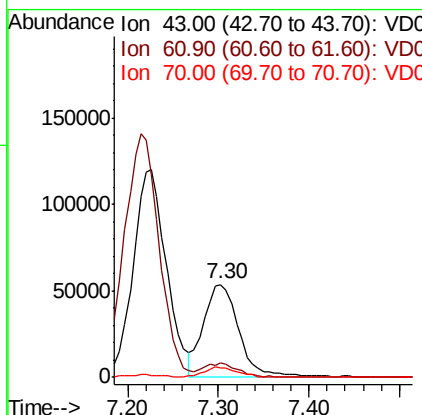
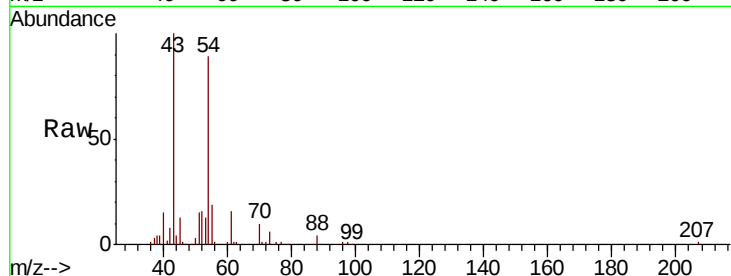




#37
Ethyl Acetate
Concen: 49.532 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

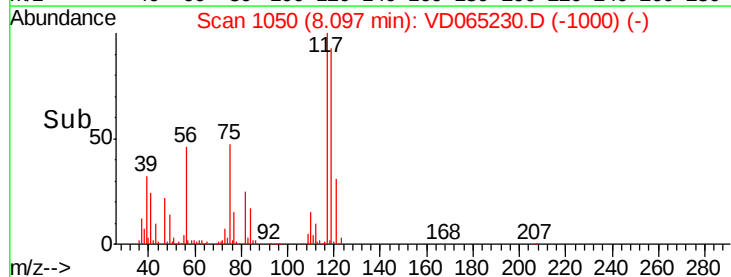
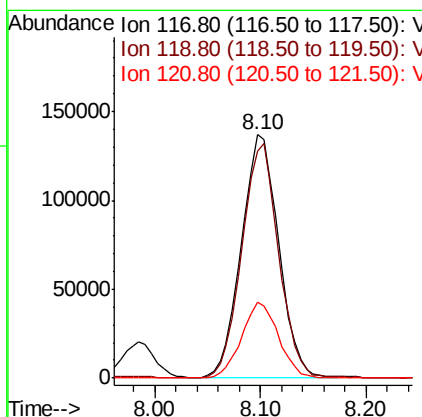
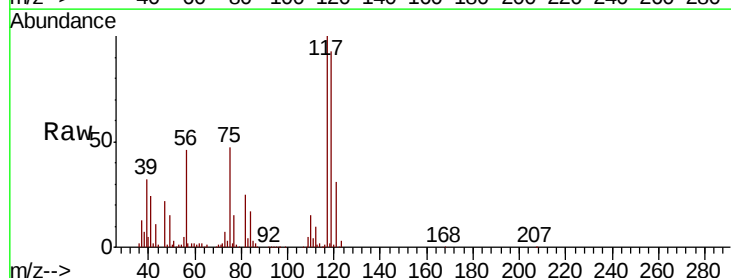
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 142955
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 47.599 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 117 Resp: 334528
Ion Ratio Lower Upper
117 100
119 93.6 77.6 116.4
121 31.5 24.8 37.2

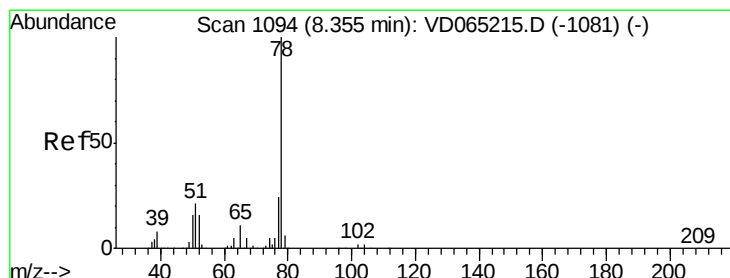
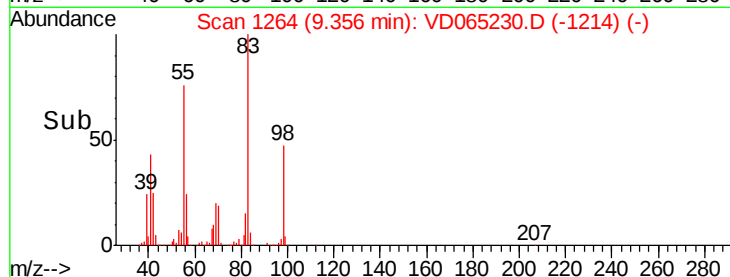
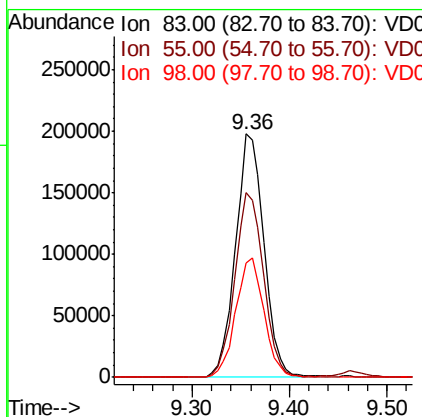
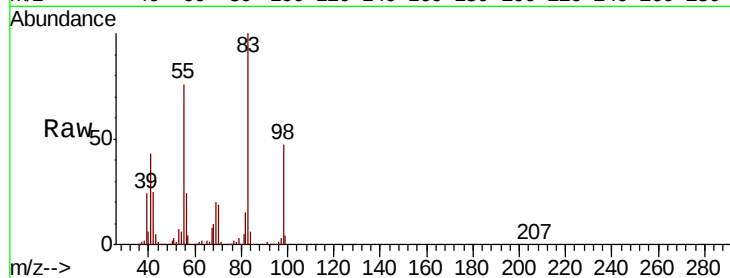




#39
Methvlcvclohexane
Concen: 49.557 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

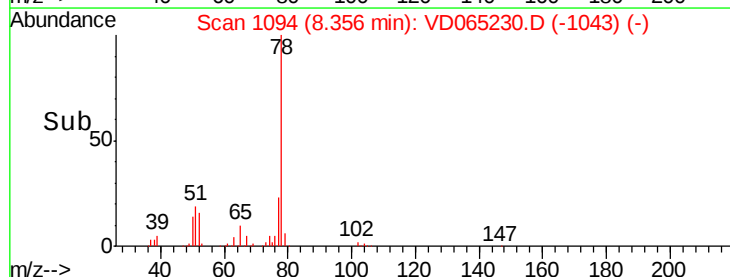
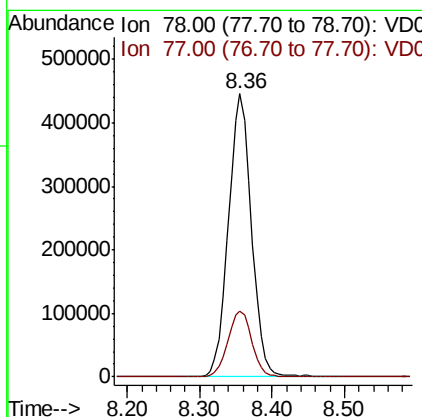
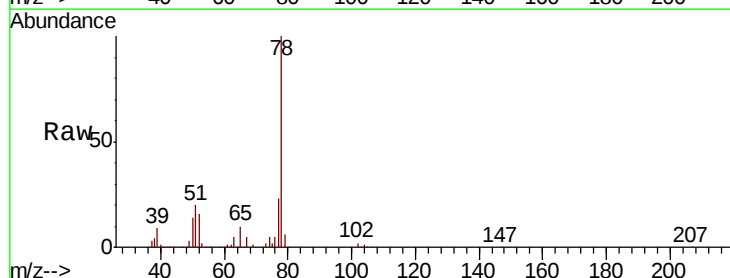
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

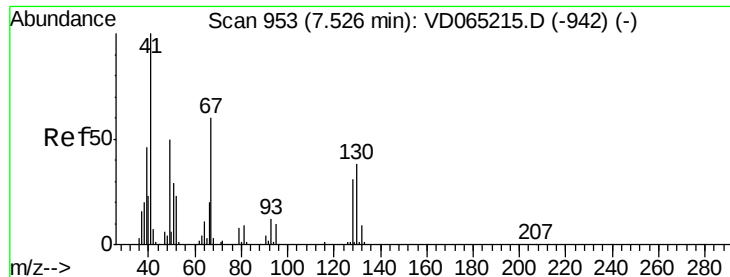
Tot Ion: 83 Resp: 402225
Ion Ratio Lower Upper
83 100
55 75.8 61.8 92.6
98 47.0 39.4 59.0



#40
Benzene
Concen: 50.447 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 78 Resp: 983054
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

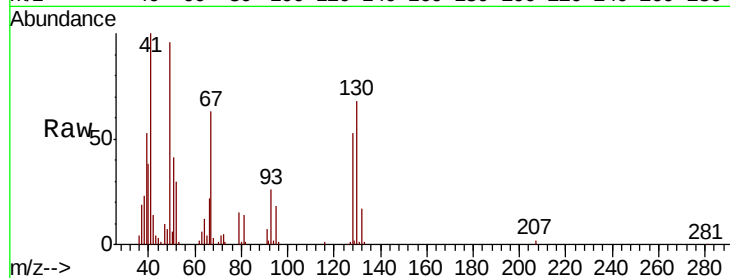




#41
Methacrylonitrile
Concen: 38.482 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.7	48.1	72.1#	
67	90.2	58.9	88.3#	
52	37.3	24.2	36.2#	



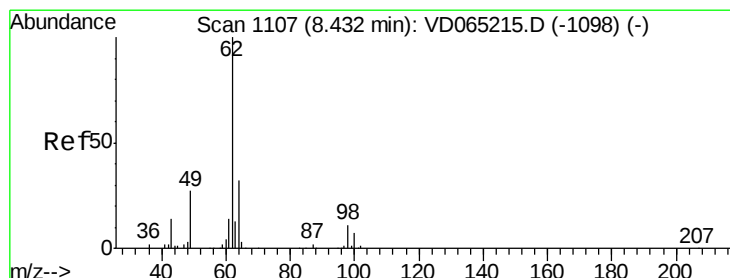
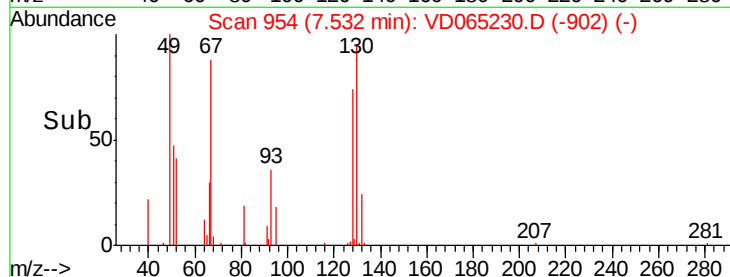
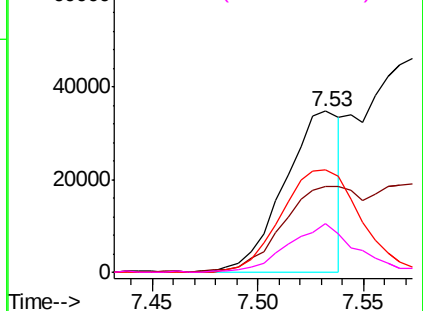
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

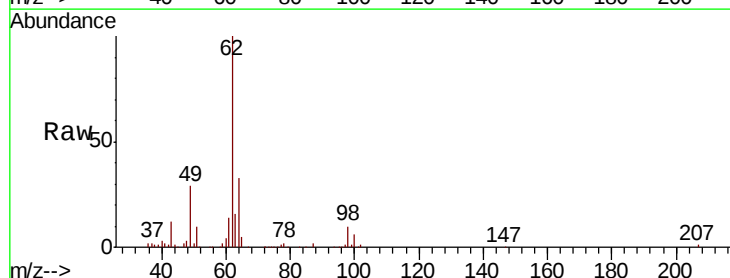
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 49.796 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

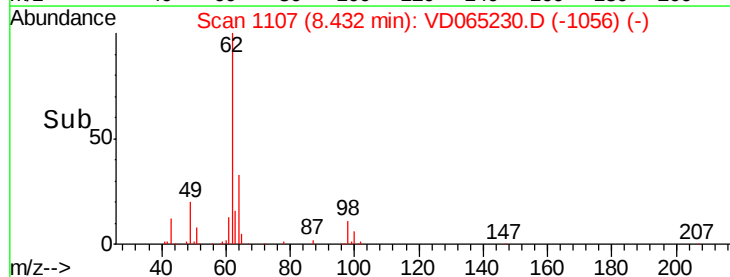
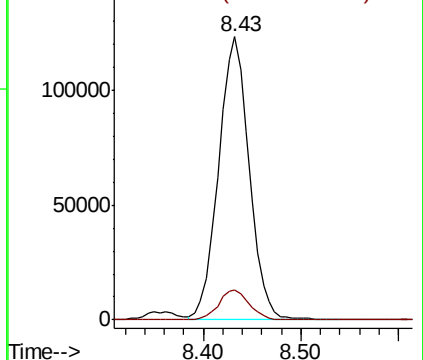
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	

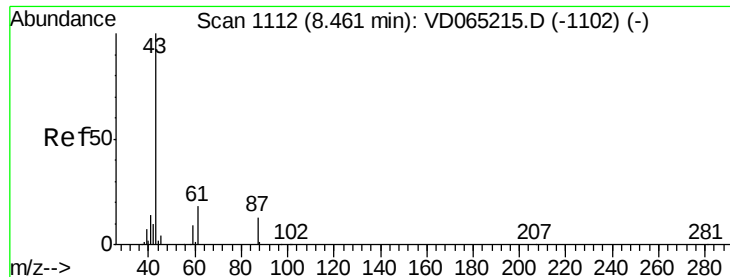


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.787 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

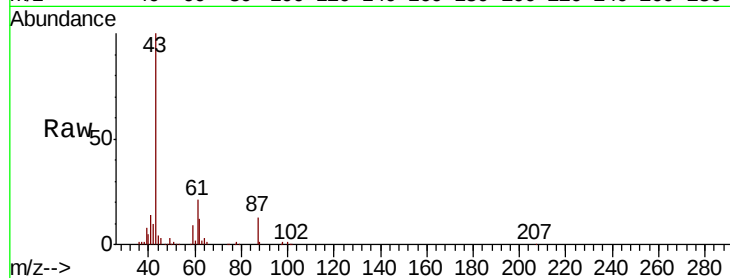
Tot Ion: 43 Resp: 266546

Ion Ratio Lower Upper

43 100

61 31.2 24.6 36.8

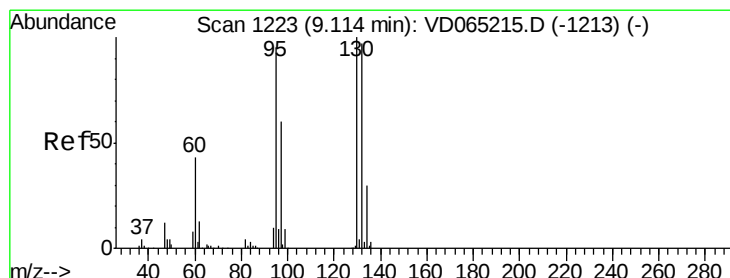
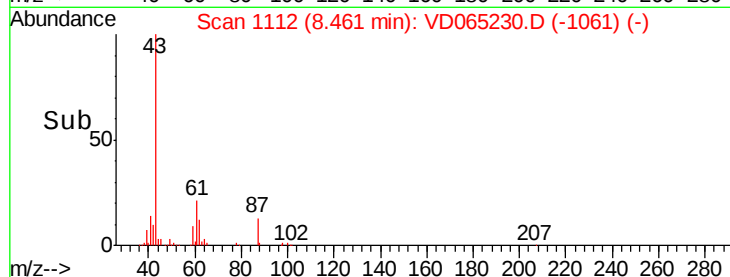
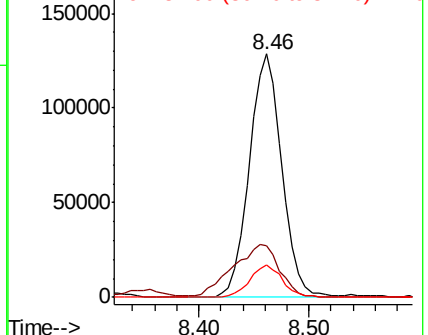
87 13.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.908 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065230.D

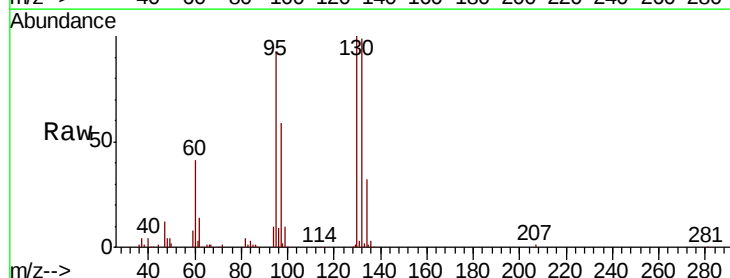
Acq: 18 Feb 2020 20:36

Tgt Ion:130 Resp: 258779

Ion Ratio Lower Upper

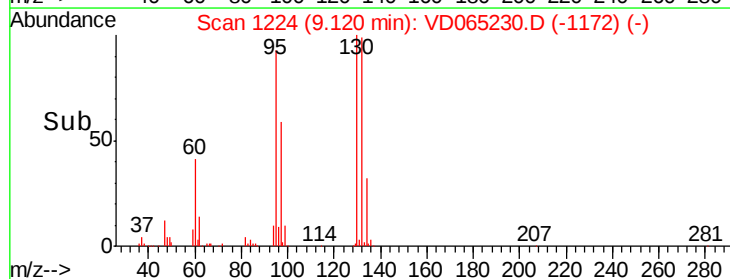
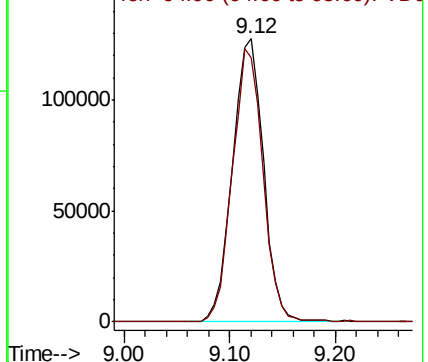
130 100

95 93.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.702 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

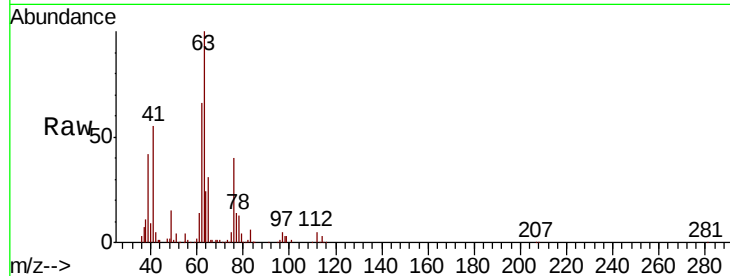
VSTDCCC050EC

Tot Ion: 63 Resp: 245677

Ion Ratio Lower Upper

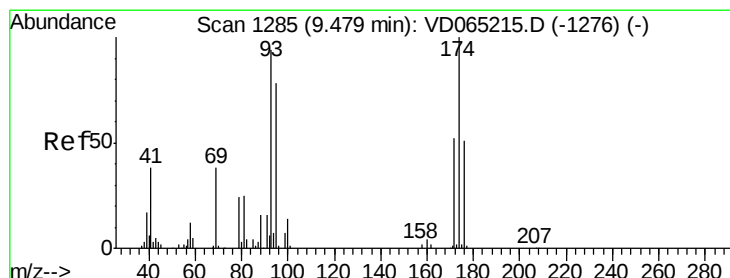
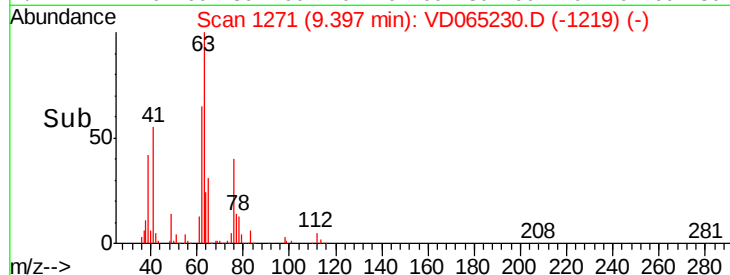
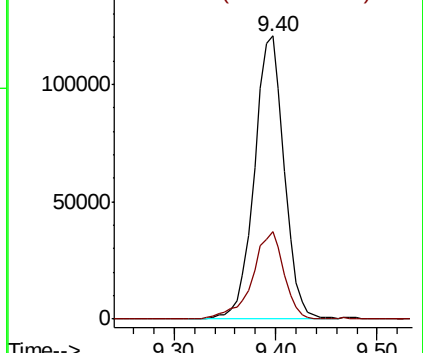
63 100

65 31.0 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.341 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

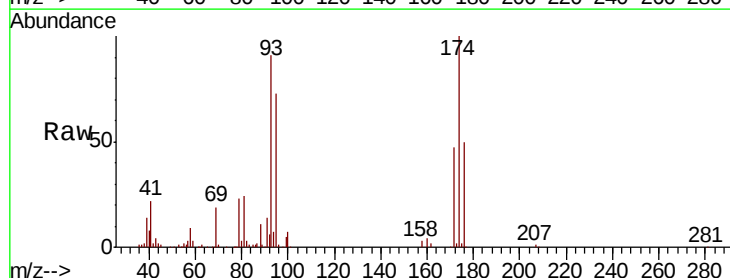
Tgt Ion: 93 Resp: 125505

Ion Ratio Lower Upper

93 100

95 83.8 65.8 98.6

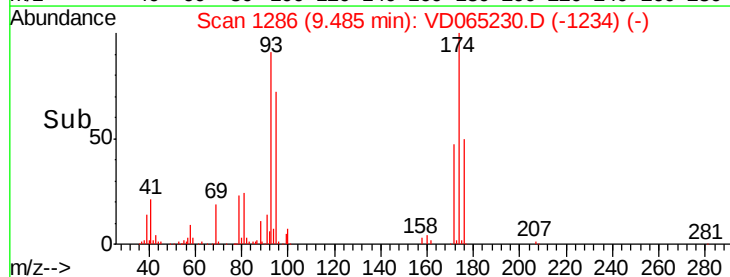
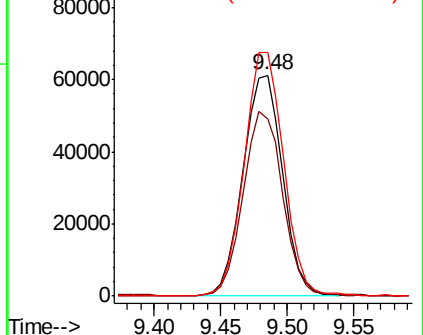
174 110.0 86.8 130.2

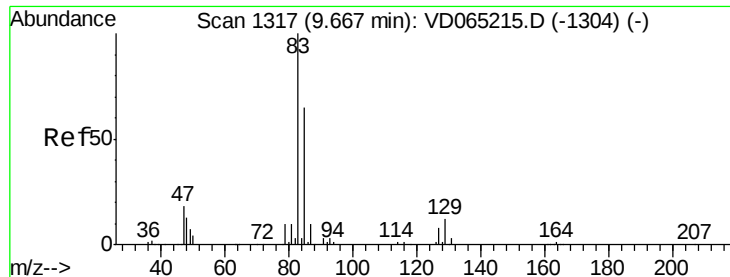


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

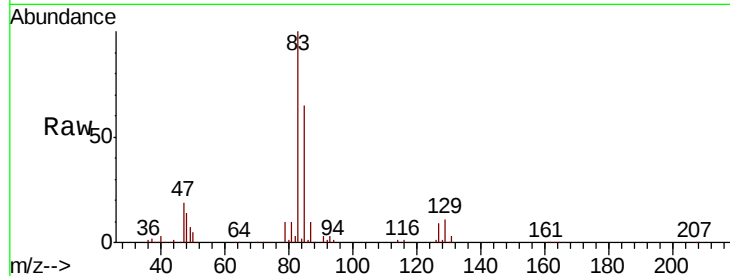




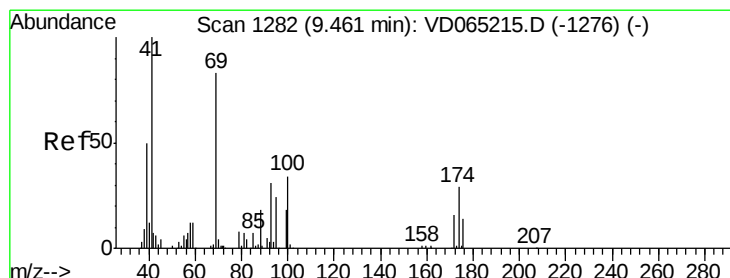
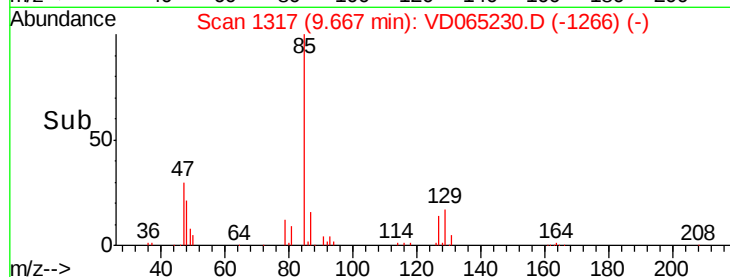
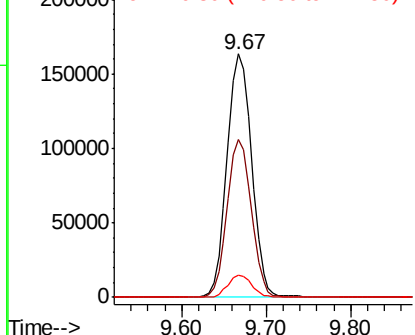
#47
Bromodichloromethane
Concen: 50.199 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 329821
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0
127 9.2 6.7 10.1

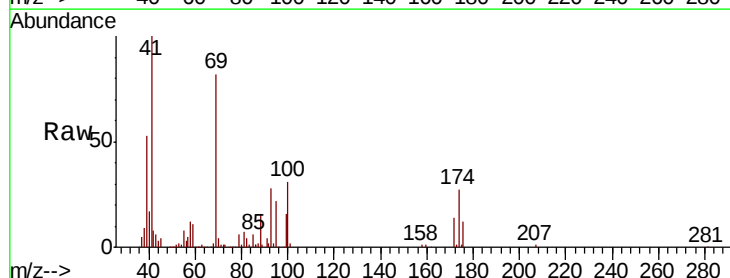


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

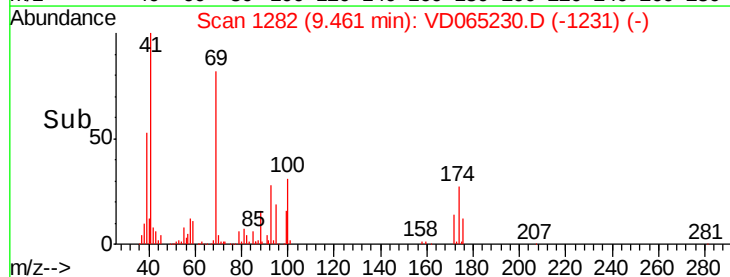
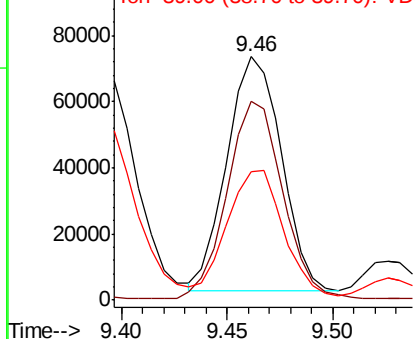


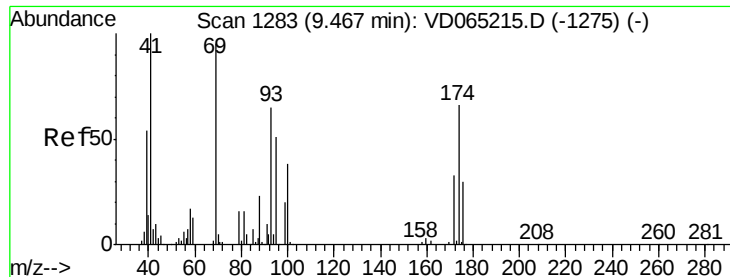
#48
Methyl methacrylate
Concen: 52.358 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 41 Resp: 127017
Ion Ratio Lower Upper
41 100
69 88.7 68.2 102.2
39 58.4 42.0 63.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 993.451 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

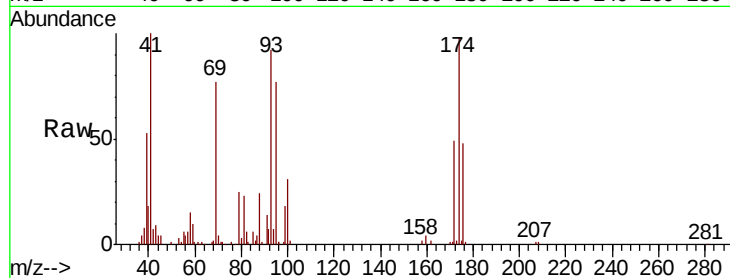
Tot Ion: 88 Resp: 29049

Ion Ratio Lower Upper

88 100

43 38.3 28.5 42.7

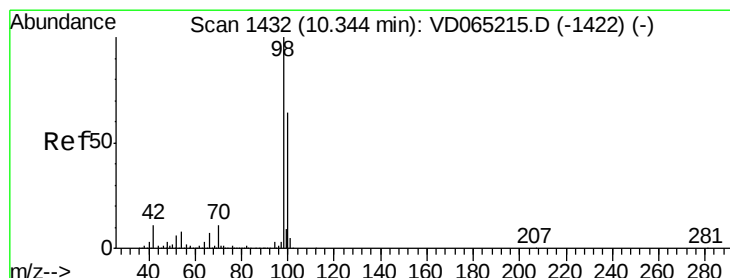
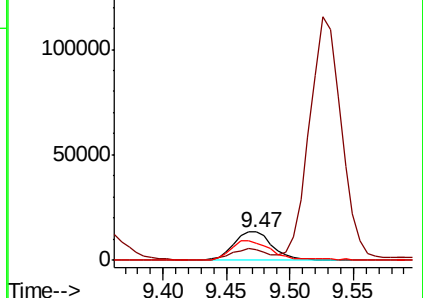
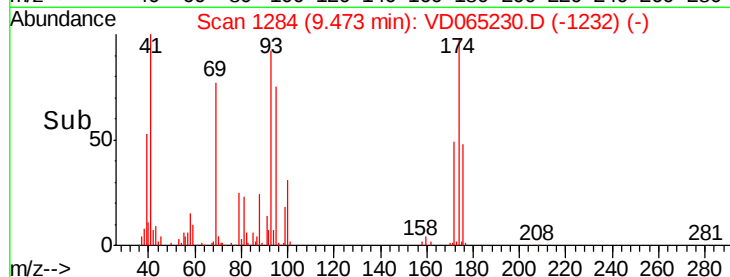
58 71.1 58.6 87.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 47.358 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065230.D

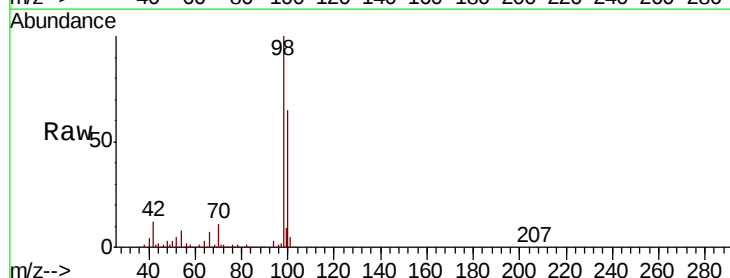
Acq: 18 Feb 2020 20:36

Tgt Ion: 98 Resp: 783253

Ion Ratio Lower Upper

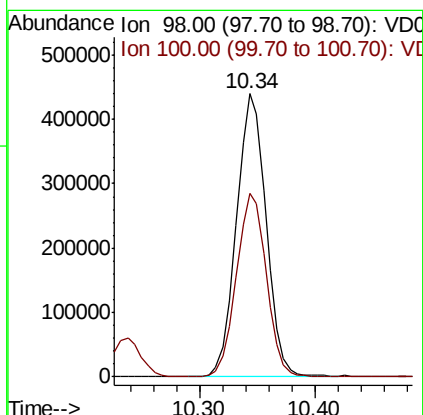
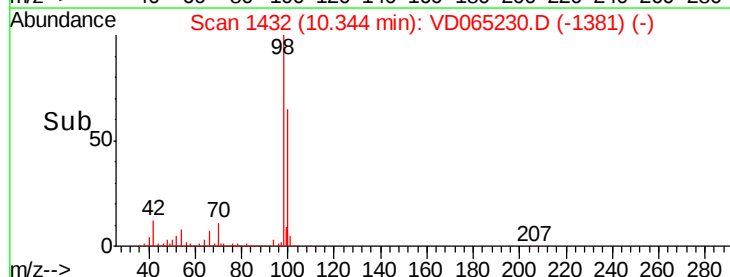
98 100

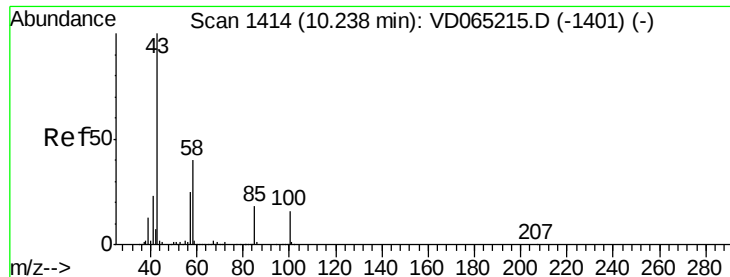
100 65.3 52.0 78.0



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: 259.817 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

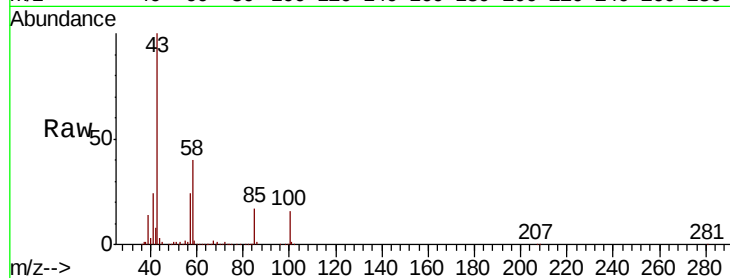
VSTDCCC050EC

Tot Ion: 43 Resp: 692588

Ion Ratio Lower Upper

43 100

58 38.8 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

400000

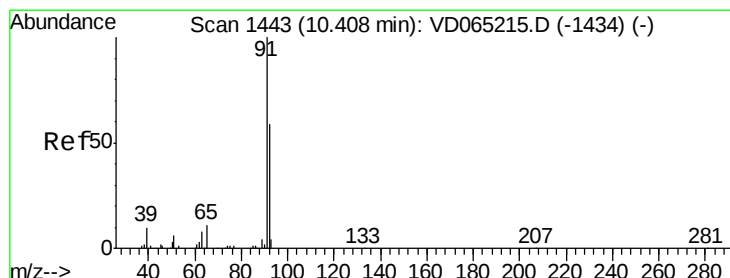
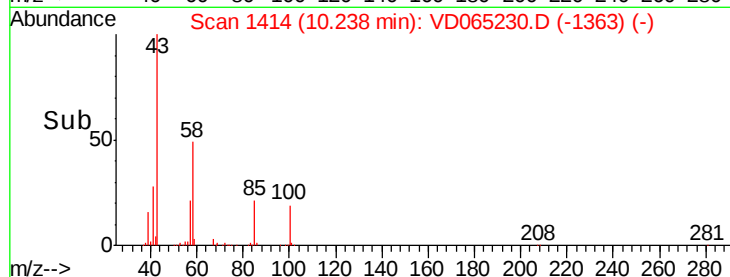
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.549 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065230.D

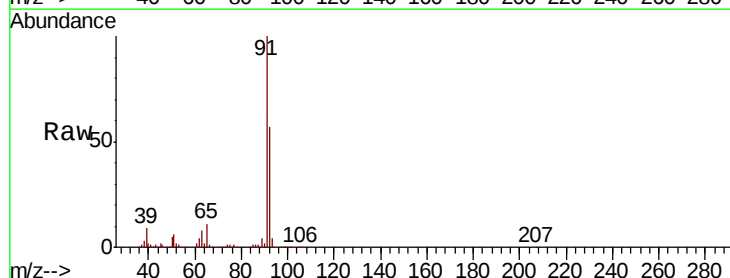
Acq: 18 Feb 2020 20:36

Tgt Ion: 92 Resp: 621781

Ion Ratio Lower Upper

92 100

91 173.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

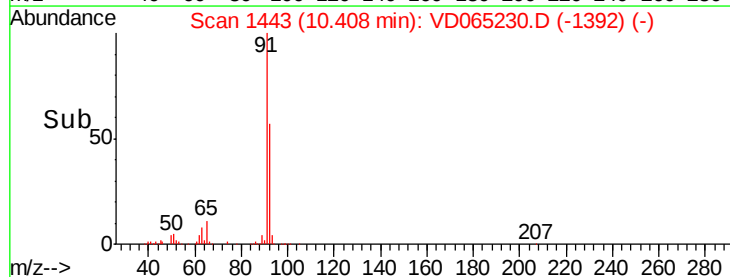
600000

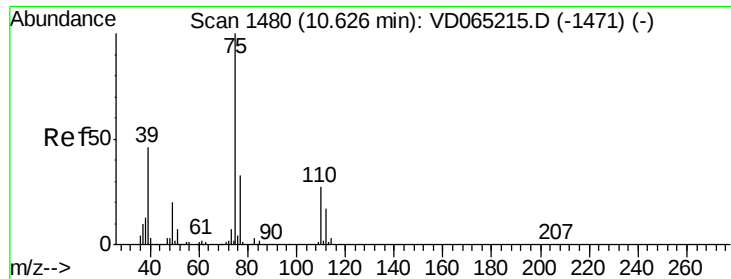
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.615 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

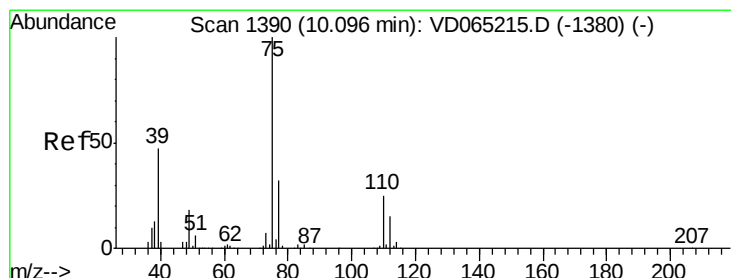
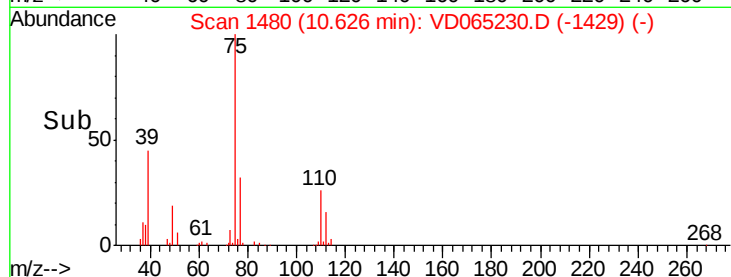
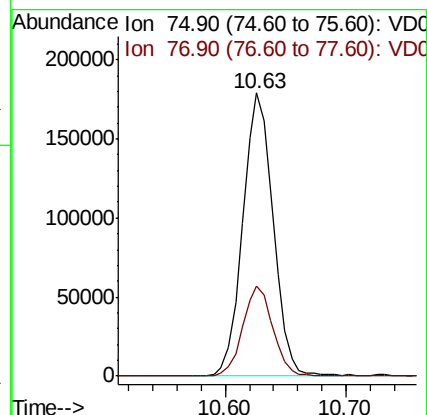
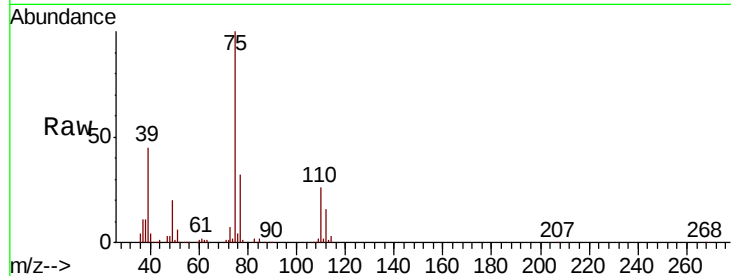
VSTDCCC050EC

Tot Ion: 75 Resp: 314335

Ion Ratio Lower Upper

75 100

77 31.7 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 51.484 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

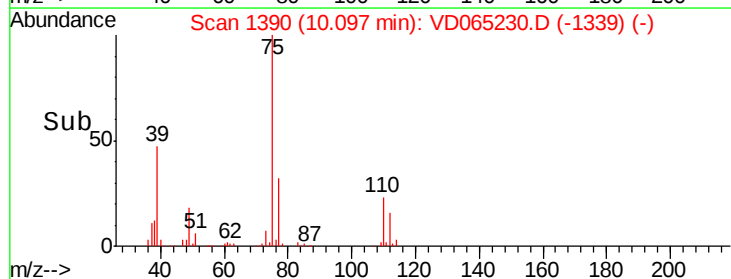
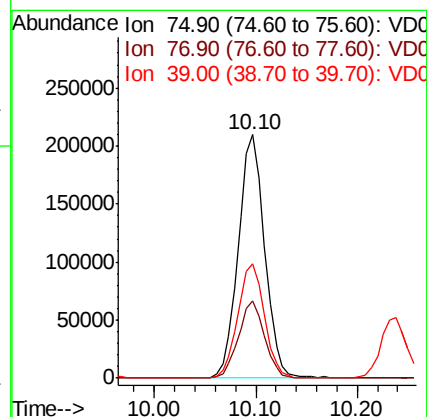
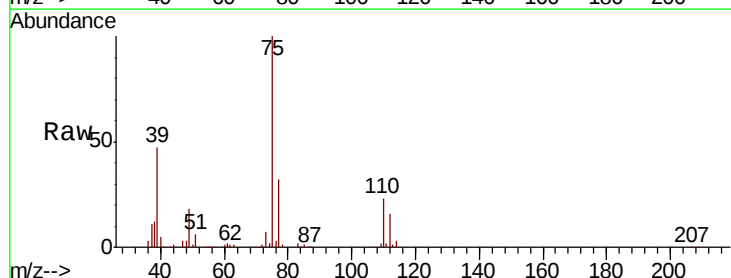
Tgt Ion: 75 Resp: 378614

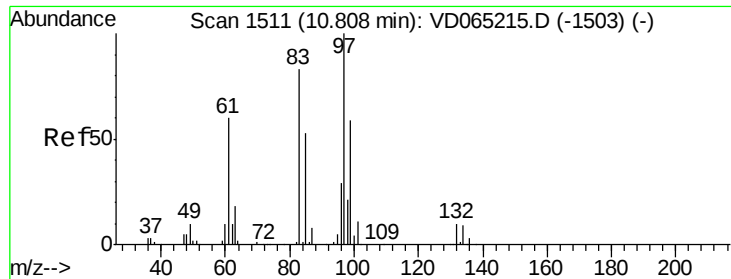
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 46.6 37.3 55.9

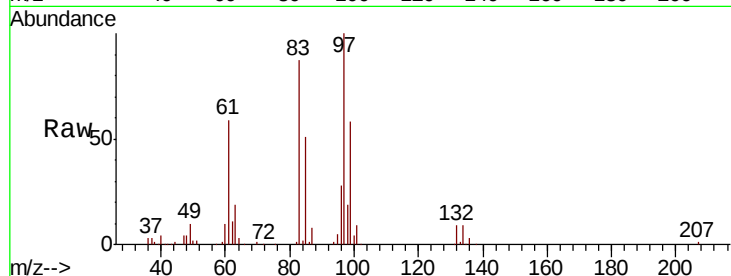




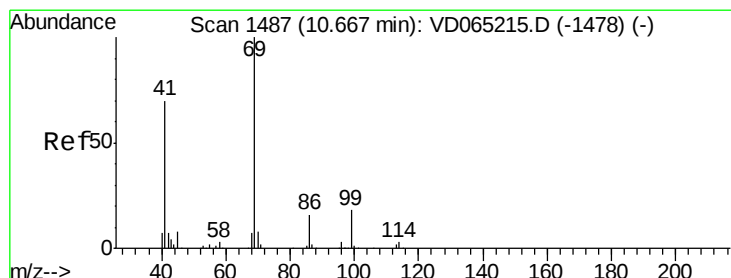
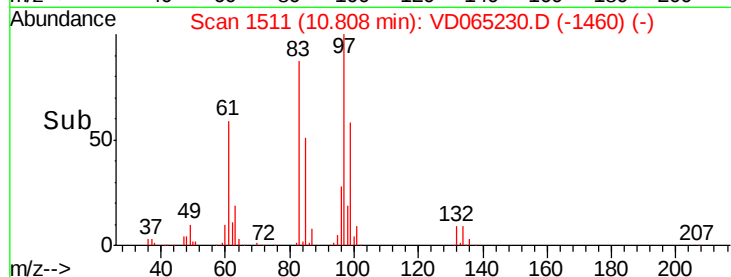
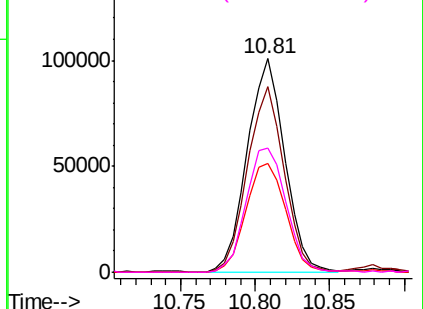
#55
 1,1,2-Trichloroethane
 Concen: 49.983 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 175393
 Ion Ratio Lower Upper
 97 100
 83 87.1 66.7 100.1
 85 50.8 42.4 63.6
 99 58.4 47.5 71.3

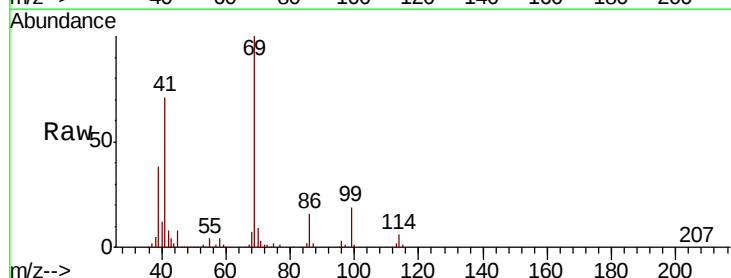


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

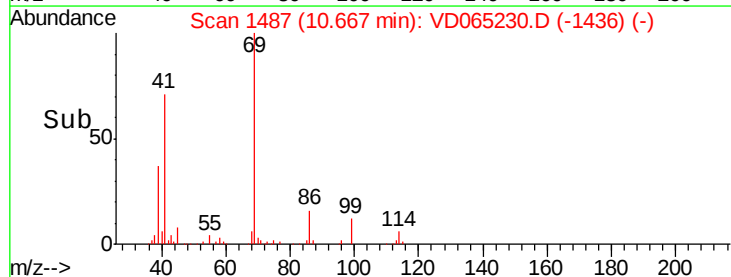
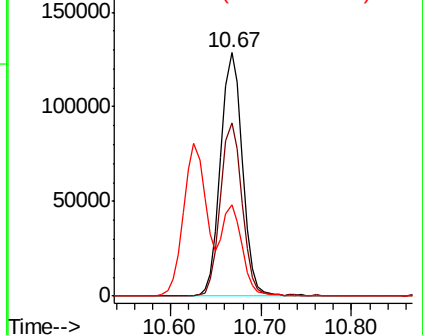


#56
 Ethyl methacrylate
 Concen: 53.450 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 69 Resp: 216486
 Ion Ratio Lower Upper
 69 100
 41 69.3 54.6 81.8
 39 35.2 26.5 39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.209 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

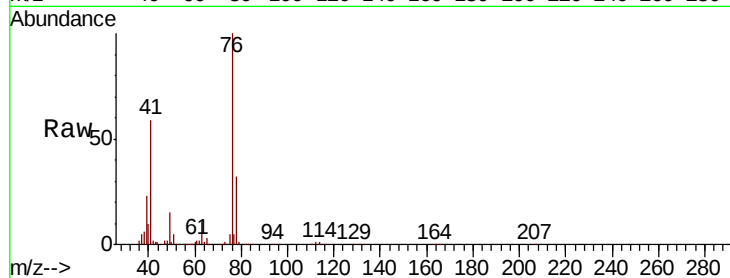
VSTDCCC050EC

Tot Ion: 76 Resp: 305841

Ion Ratio Lower Upper

76 100

78 31.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

200000

150000

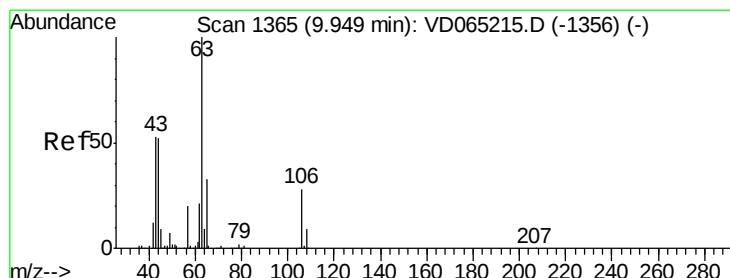
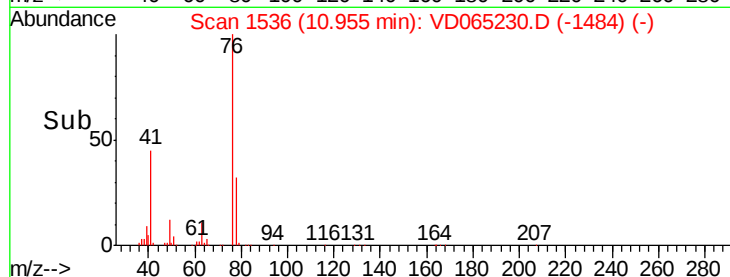
100000

50000

0

10.90 10.95 11.00 11.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 239.299 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065230.D

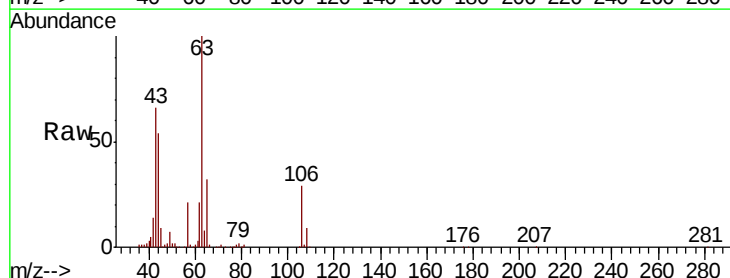
Acq: 18 Feb 2020 20:36

Tgt Ion: 63 Resp: 305567

Ion Ratio Lower Upper

63 100

106 28.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

150000

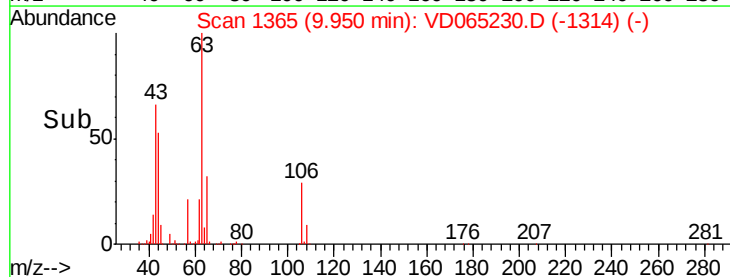
100000

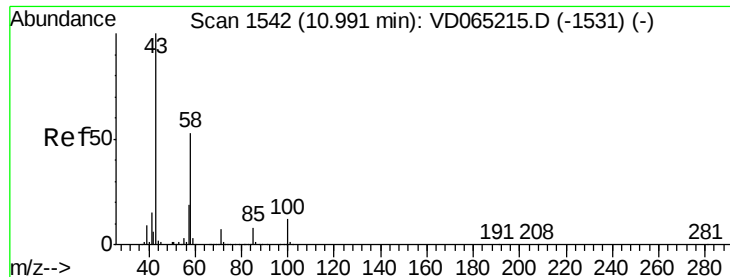
50000

0

9.90 9.95 10.00

Time-->

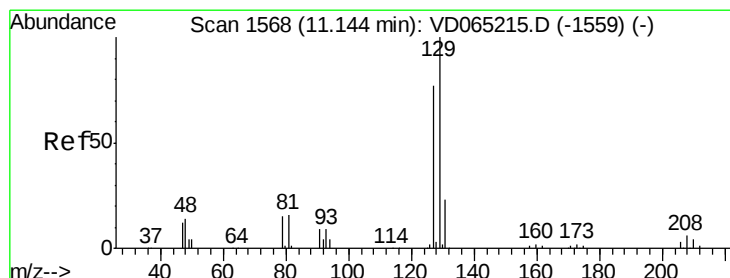
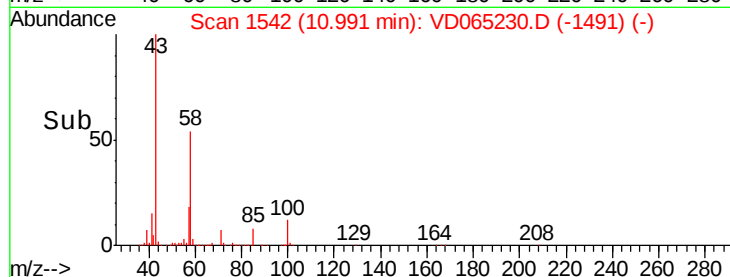
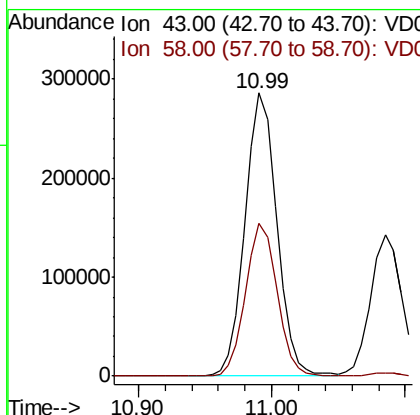
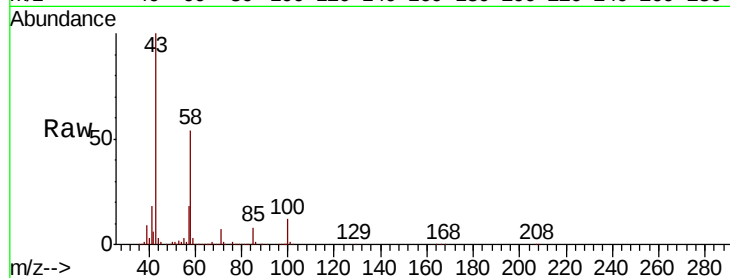




#59
2-Hexanone
Concen: 247.065 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

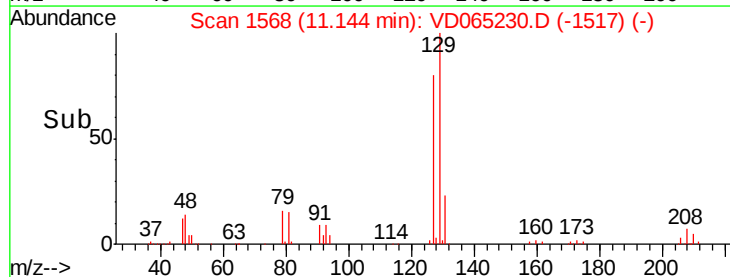
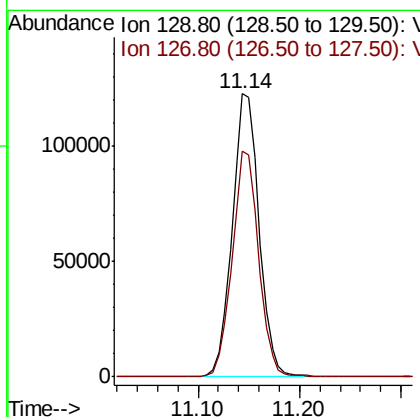
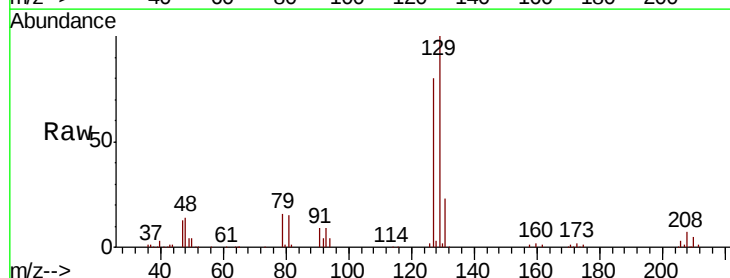
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

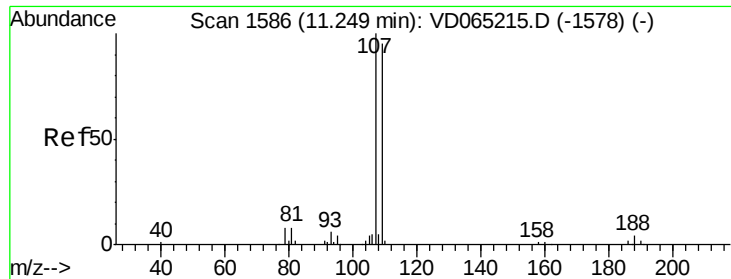
Tot Ion: 43 Resp: 471450
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 129 Resp: 225582
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1

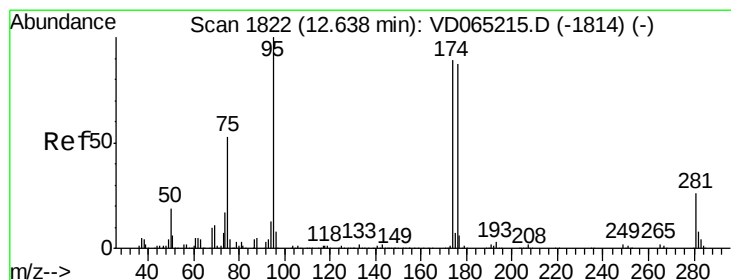
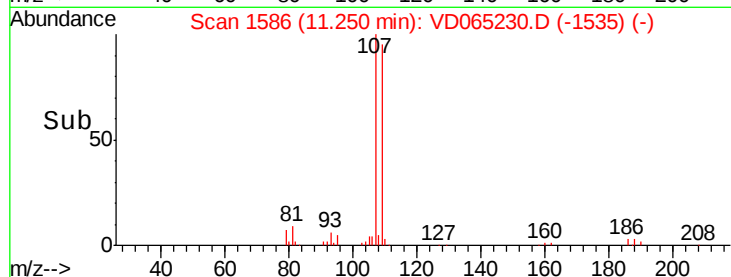
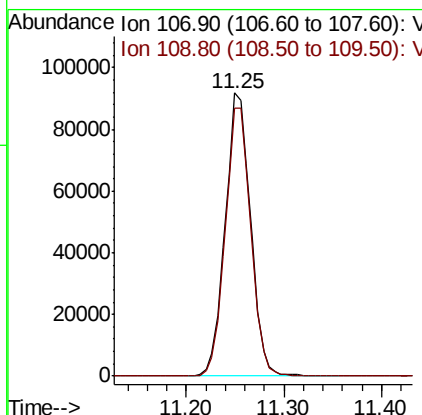
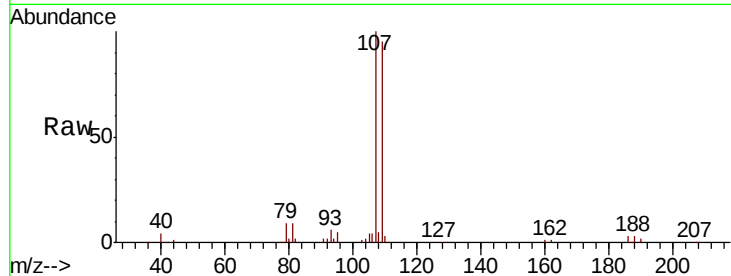




#61
 1,2-Dibromoethane
 Concen: 49.701 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

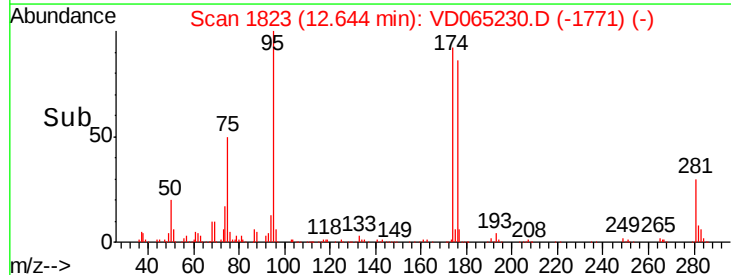
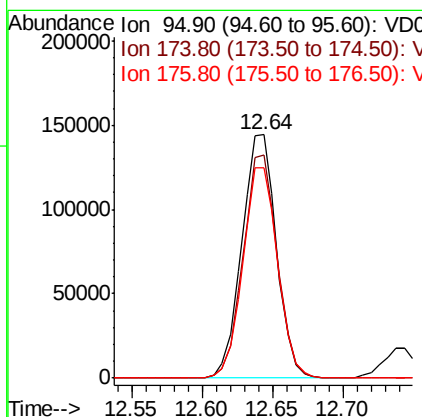
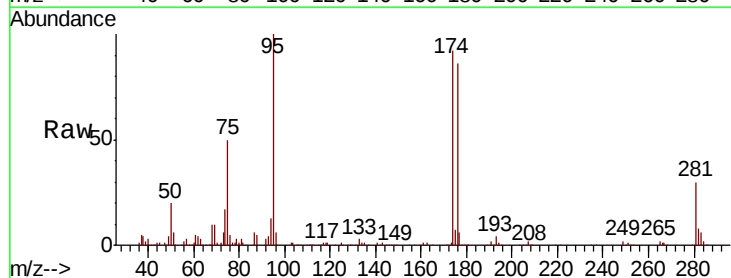
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

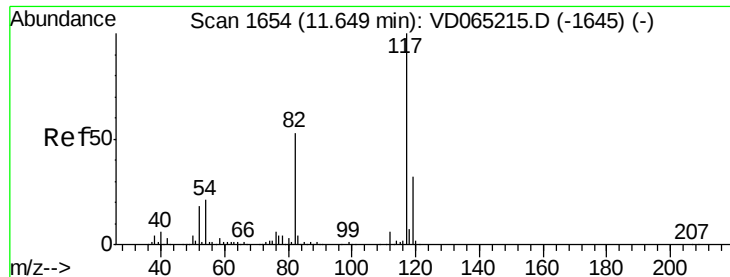
Tot Ion:107 Resp: 165130
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 47.239 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 95 Resp: 247509
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 178.0
 176 87.0 0.0 174.4

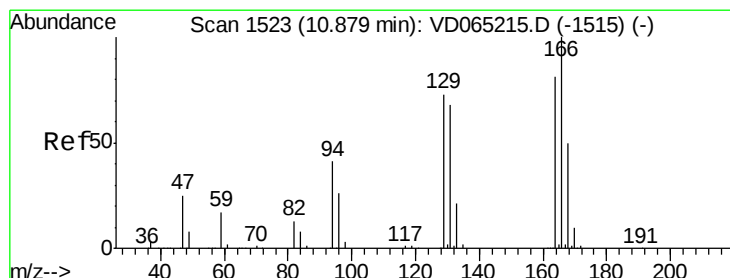
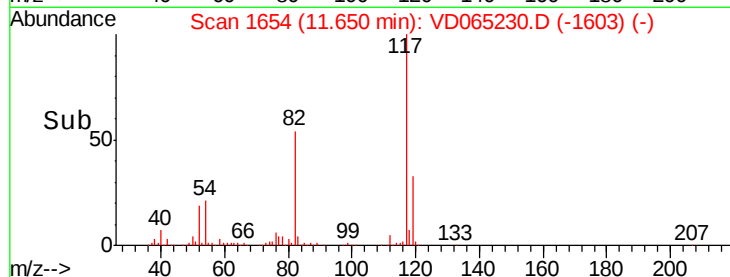
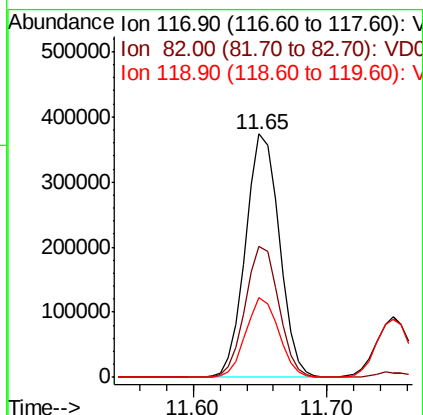
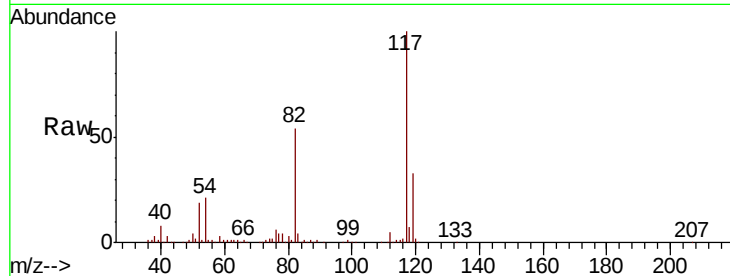




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

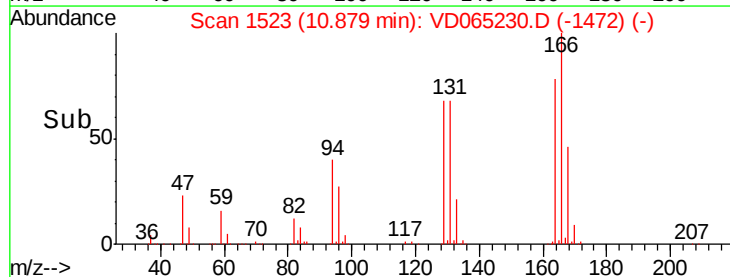
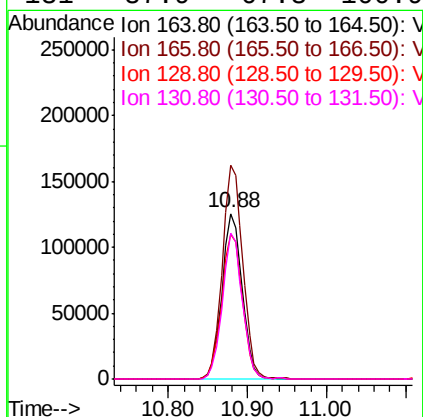
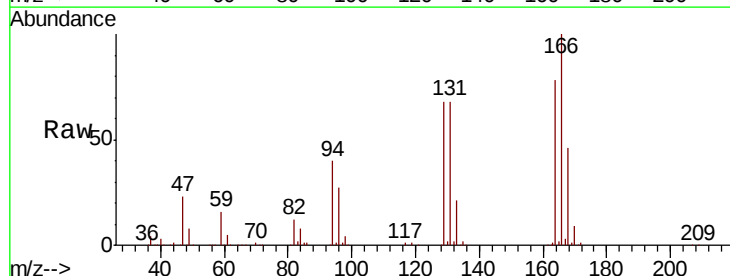
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

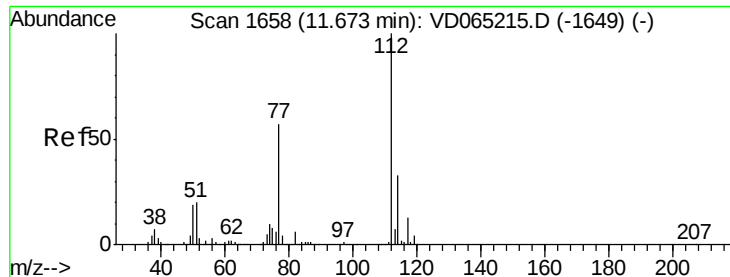
Tot Ion:117 Resp: 655835
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 47.675 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion:164 Resp: 221757
Ion Ratio Lower Upper
164 100
166 129.0 98.4 147.6
129 87.3 71.6 107.4
131 87.9 67.3 100.9





#65

Chlorobenzene

Concen: 49.122 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

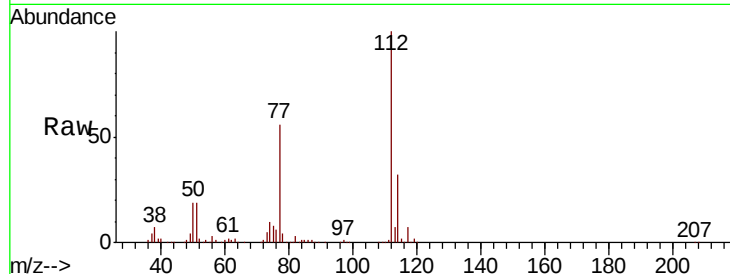
VSTDCCC050EC

Tot Ion:112 Resp: 646493

Ion Ratio Lower Upper

112 100

114 32.3 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

400000

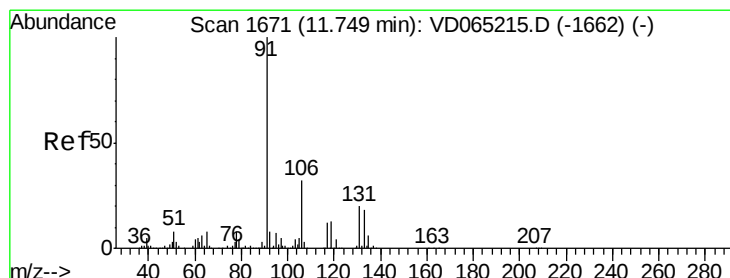
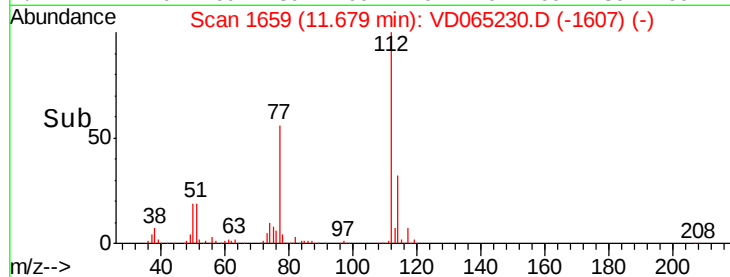
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.275 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

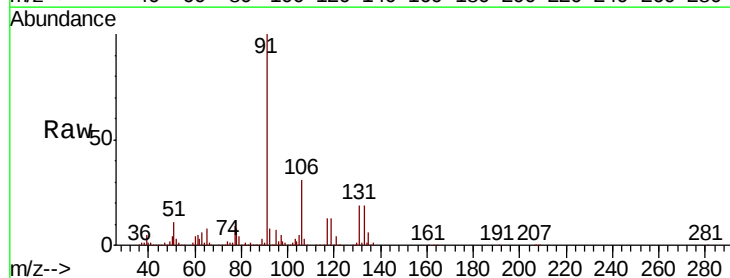
Tgt Ion:131 Resp: 242006

Ion Ratio Lower Upper

131 100

133 94.3 47.7 143.1

119 64.5 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

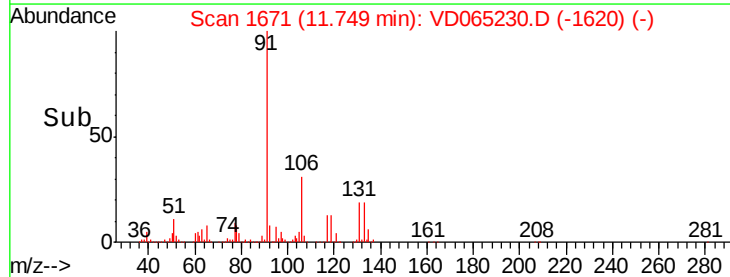
150000

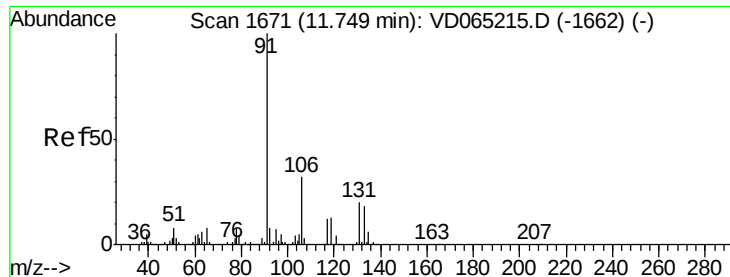
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 50.377 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

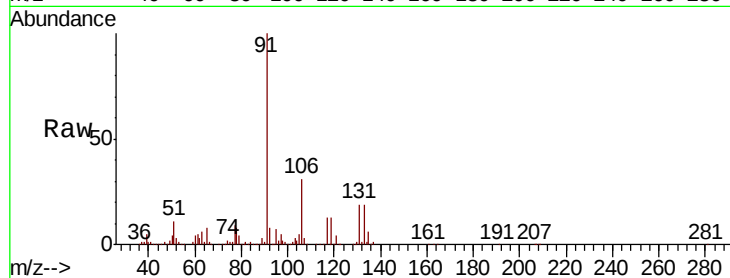
VSTDCCC050EC

Tot Ion: 91 Resp: 1161192

Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1000000

800000

600000

400000

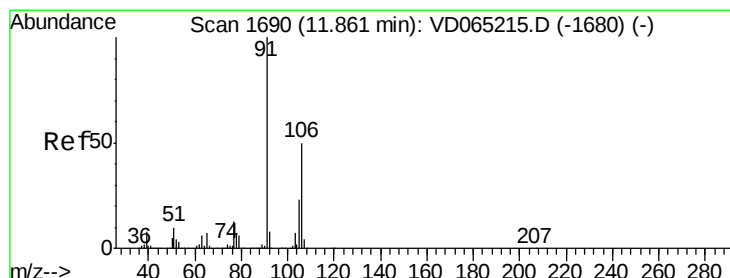
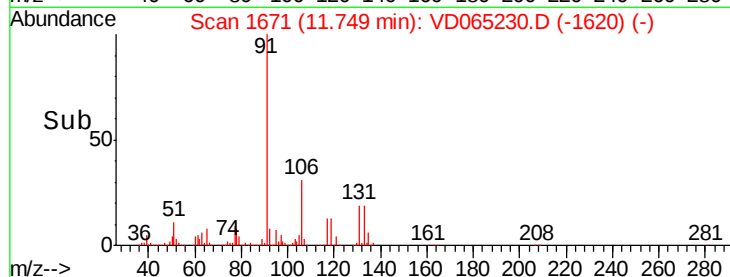
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 100.572 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065230.D

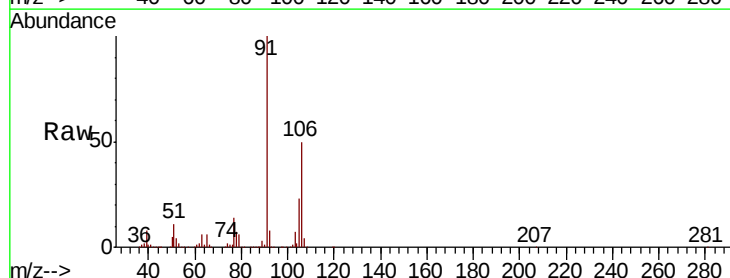
Acq: 18 Feb 2020 20:36

Tgt Ion: 106 Resp: 886919

Ion Ratio Lower Upper

106 100

91 198.9 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

200000

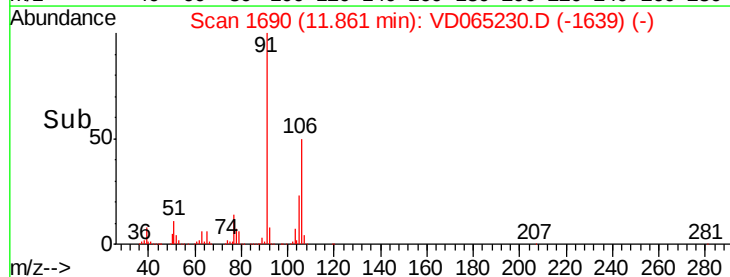
0

11.86

11.90

12.00

Time-->

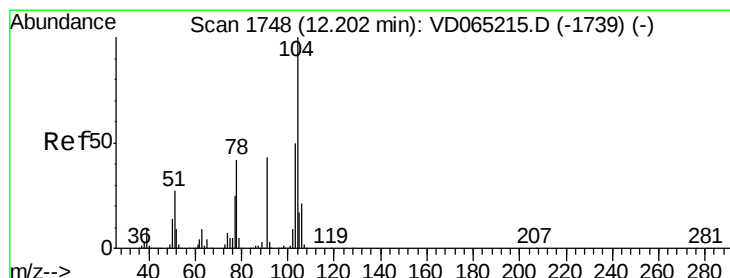
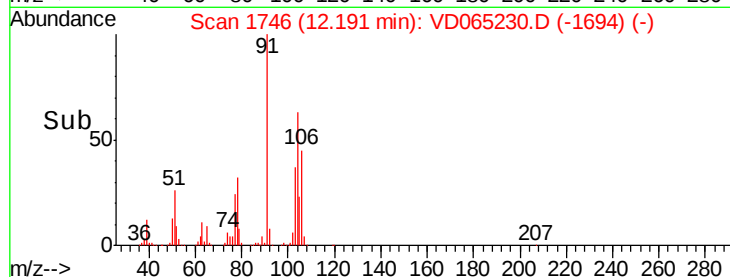
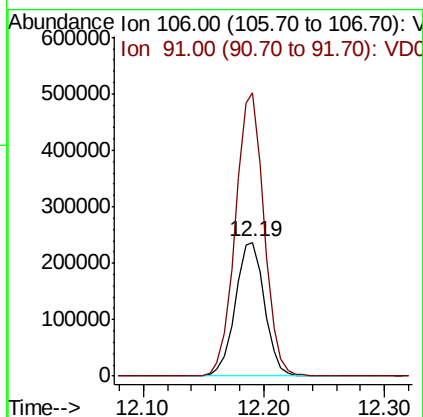
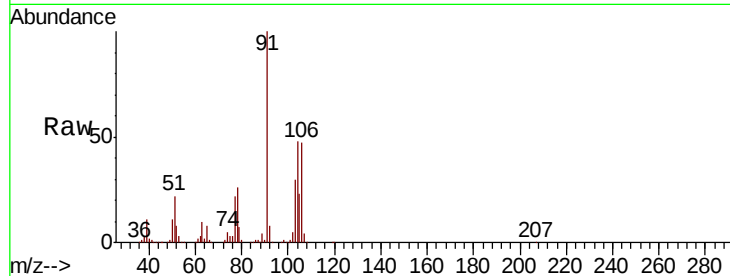




#69
o-Xylene
Concen: 51.096 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

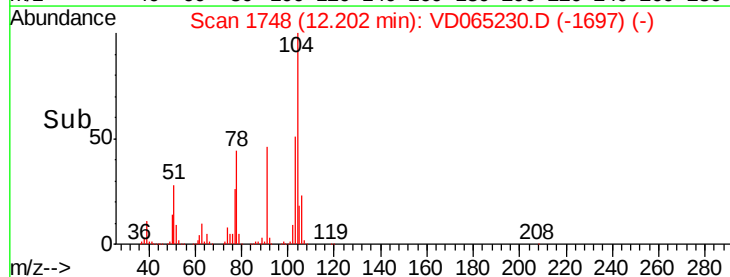
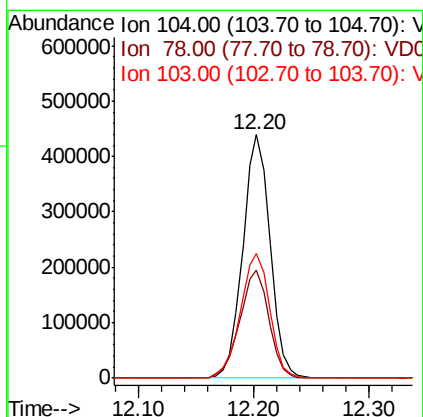
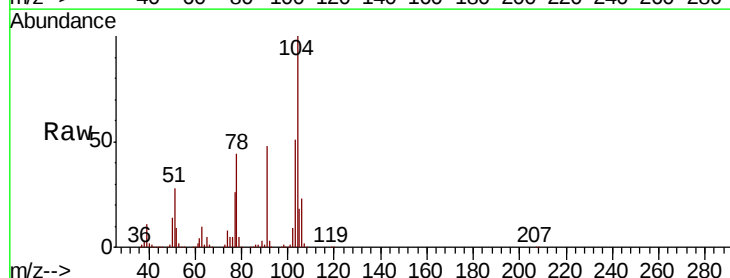
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

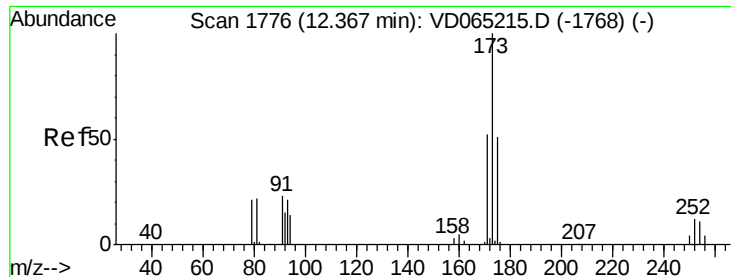
Tot Ion:106 Resp: 399208
Ion Ratio Lower Upper
106 100
91 208.0 104.7 313.9



#70
Styrene
Concen: 51.954 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion:104 Resp: 720686
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.9 43.4 65.2





#71

Bromoform

Concen: 48.275 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

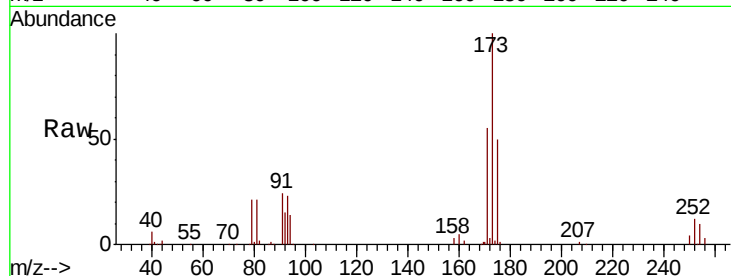
Tot Ion:173 Resp: 131563

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

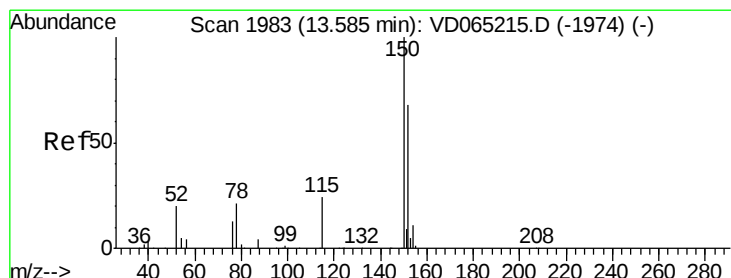
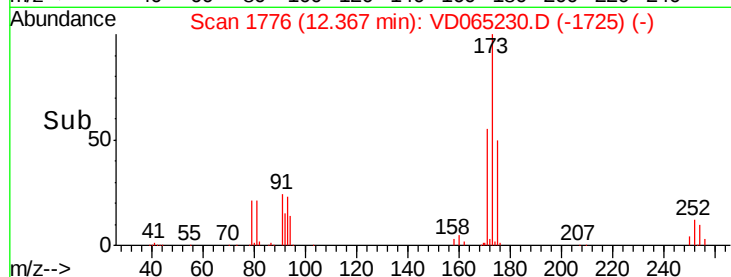
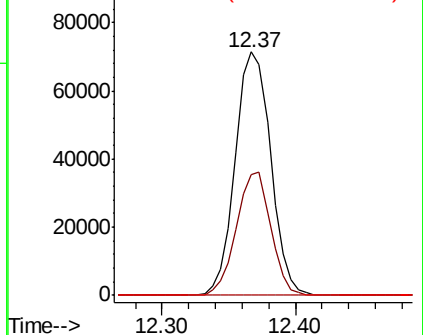
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

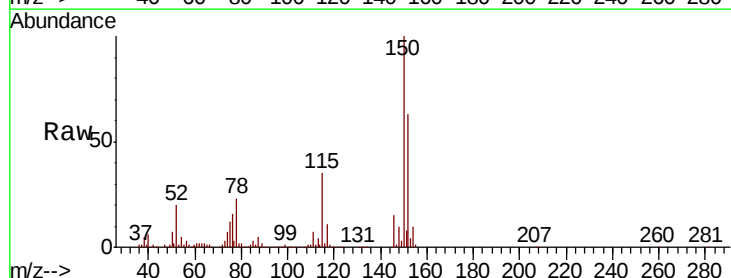
Tgt Ion:152 Resp: 318795

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

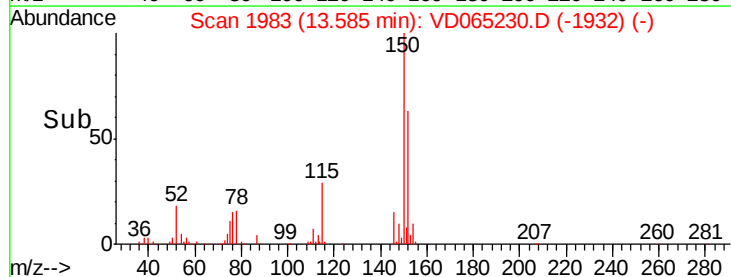
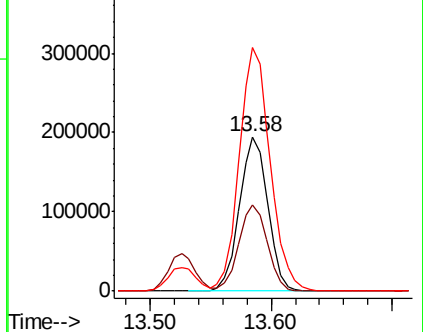
150 172.1 0.0 347.4

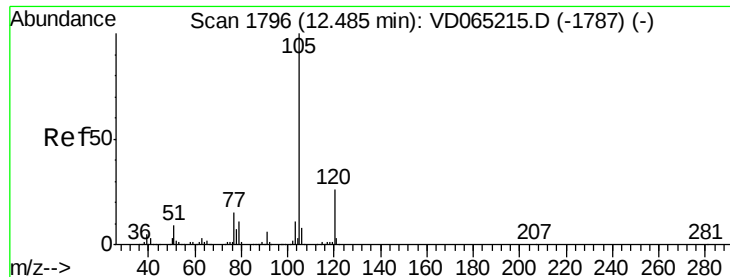


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.674 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

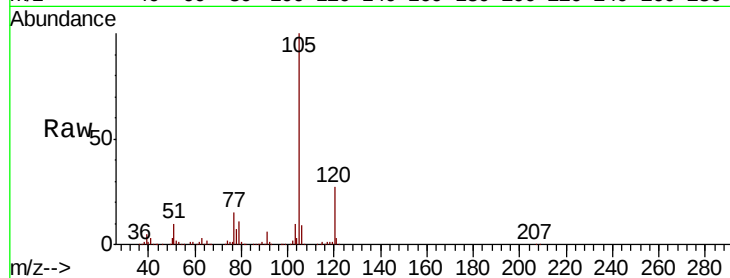
VSTDCCC050EC

Tot Ion:105 Resp: 1069505

Ion Ratio Lower Upper

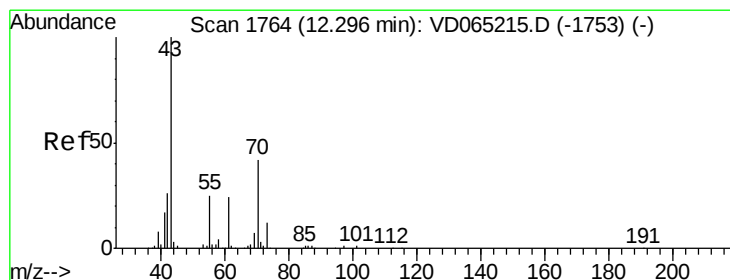
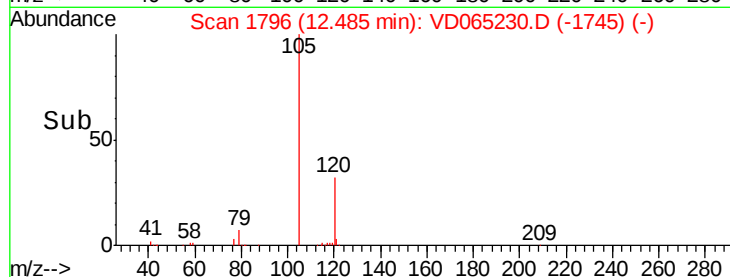
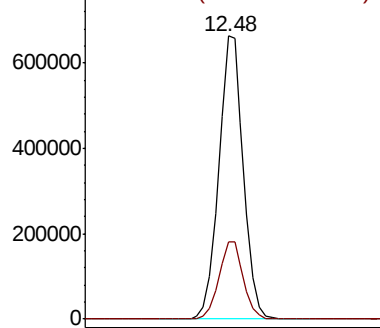
105 100

120 27.2 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: 51.166 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion: 43 Resp: 239956

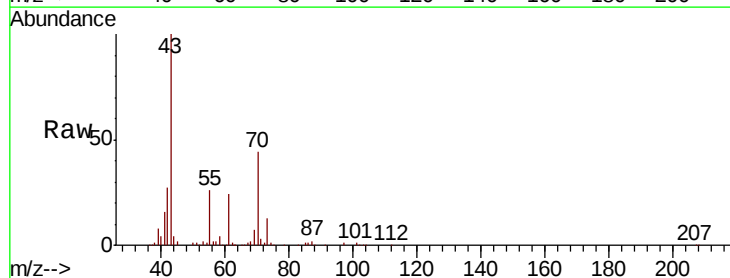
Ion Ratio Lower Upper

43 100

70 43.2 33.7 50.5

55 26.6 20.7 31.1

61 23.8 19.0 28.4

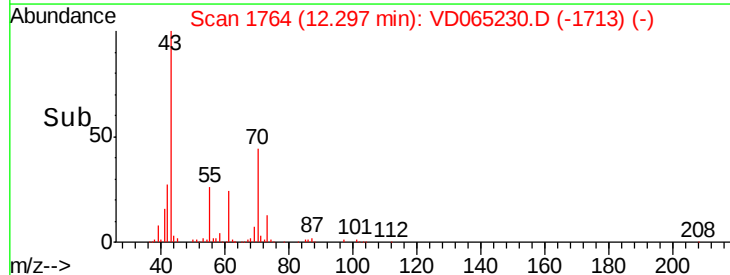
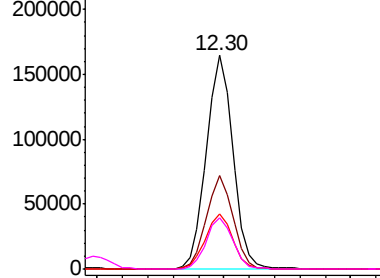


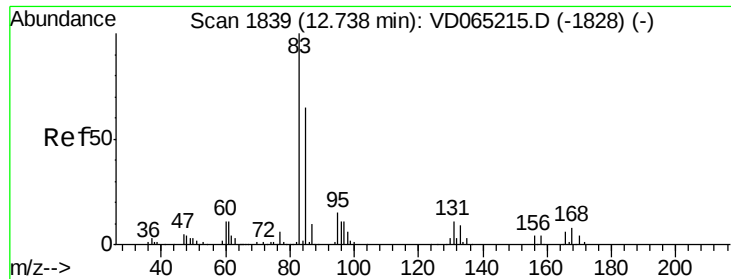
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.253 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

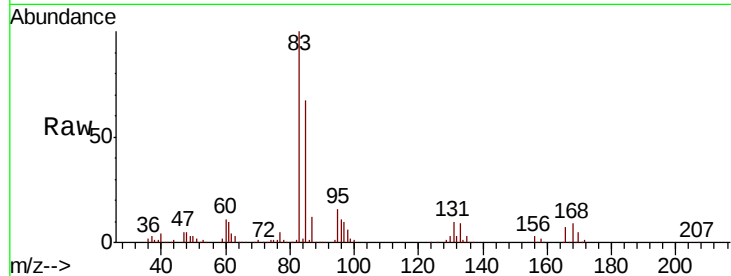
Tot Ion: 83 Resp: 183802

Ion Ratio Lower Upper

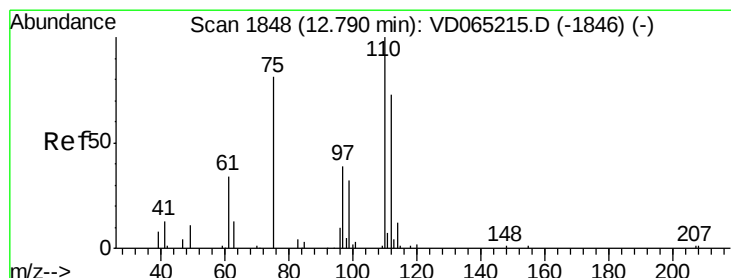
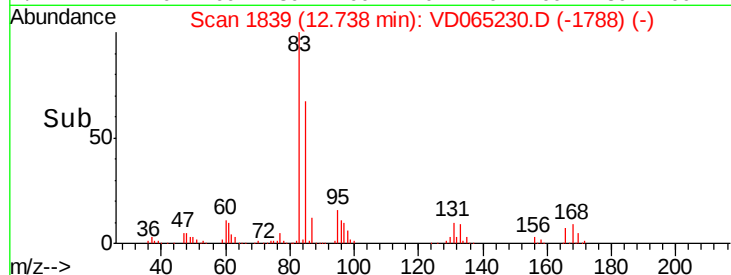
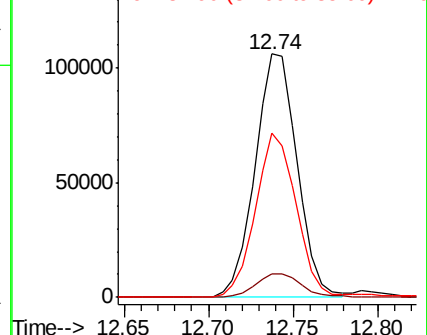
83 100

131 10.7 5.4 16.2

85 65.5 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 87.761 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065230.D

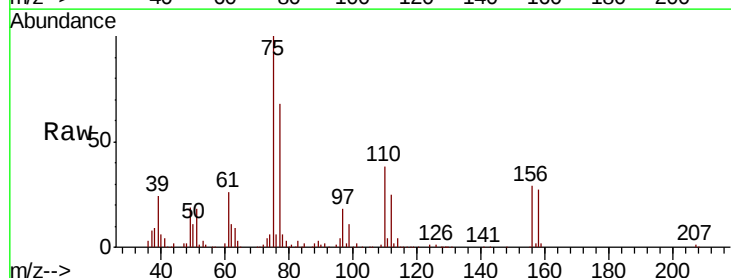
Acq: 18 Feb 2020 20:36

Tgt Ion: 75 Resp: 238042

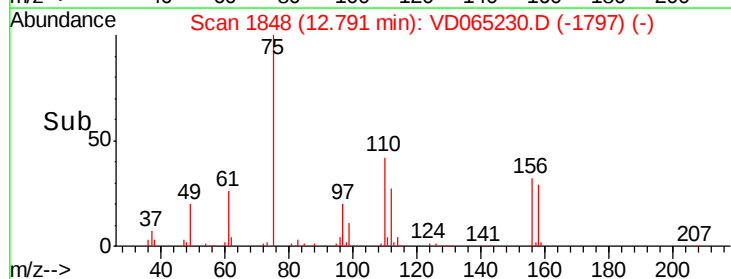
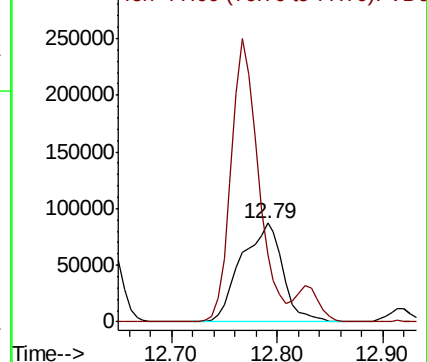
Ion Ratio Lower Upper

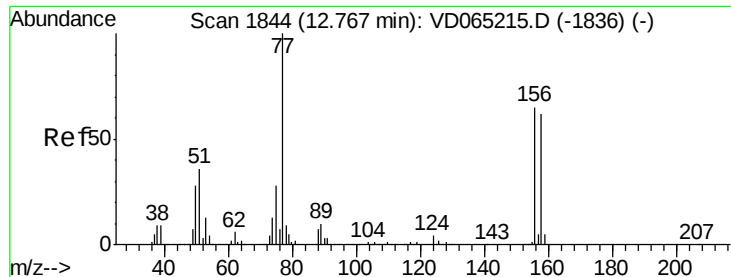
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.419 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

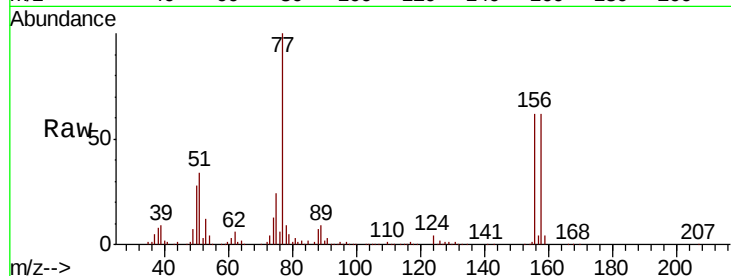
Tot Ion:156 Resp: 259002

Ion Ratio Lower Upper

156 100

77 173.5 86.6 259.7

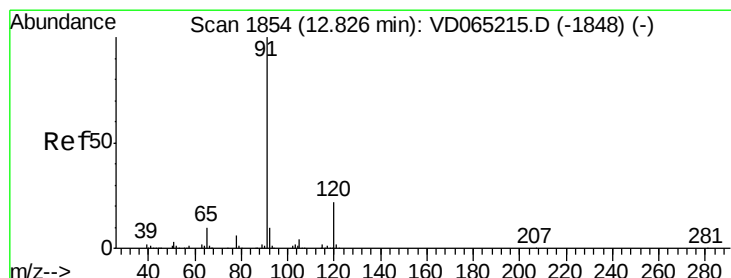
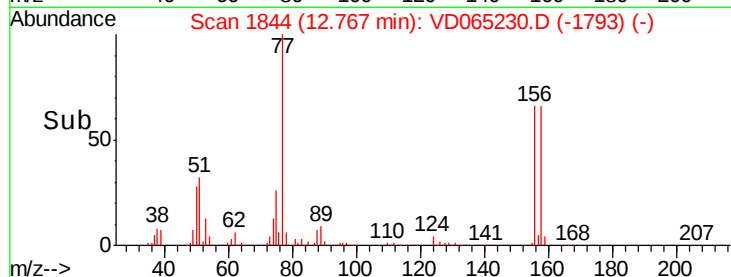
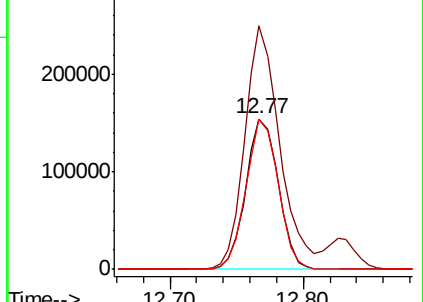
158 98.9 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.167 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065230.D

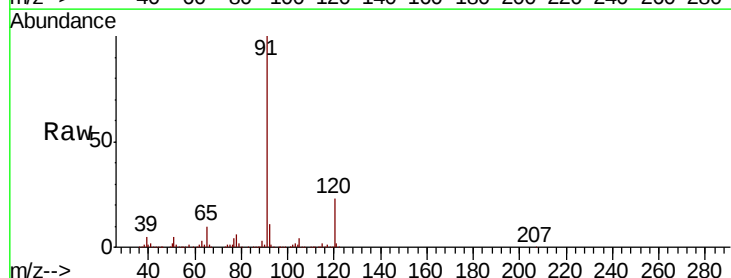
Acq: 18 Feb 2020 20:36

Tgt Ion: 91 Resp: 1272405

Ion Ratio Lower Upper

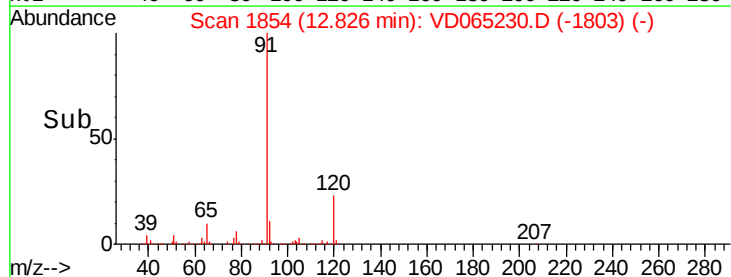
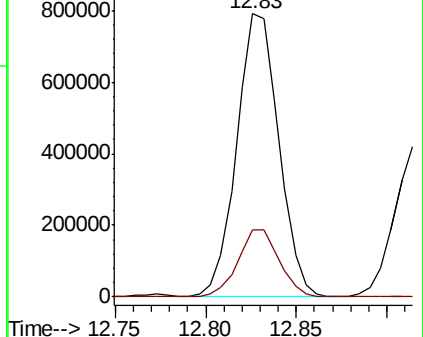
91 100

120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

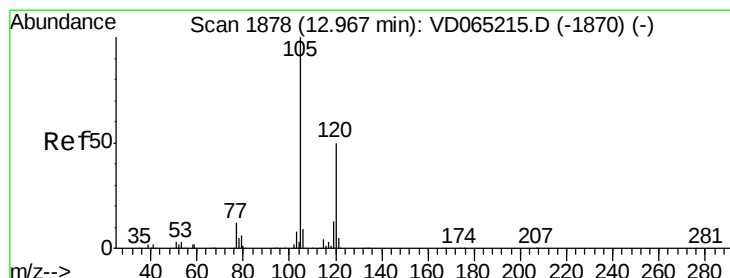
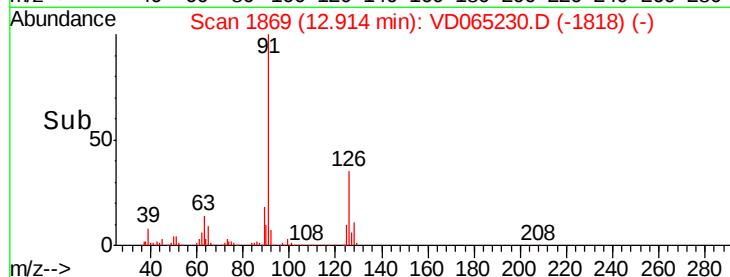
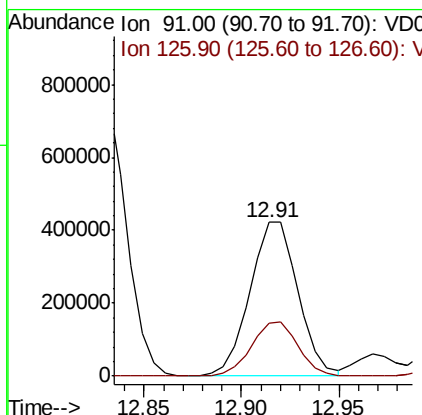
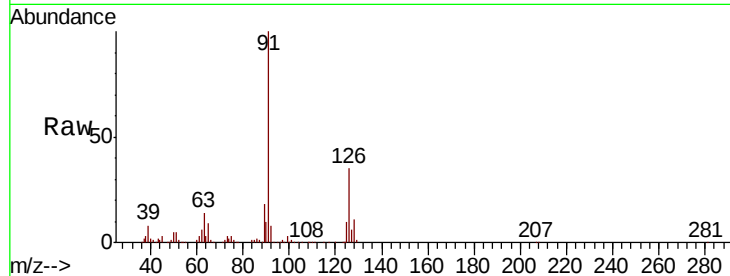




#79
 2-Chlorotoluene
 Concen: 50.577 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

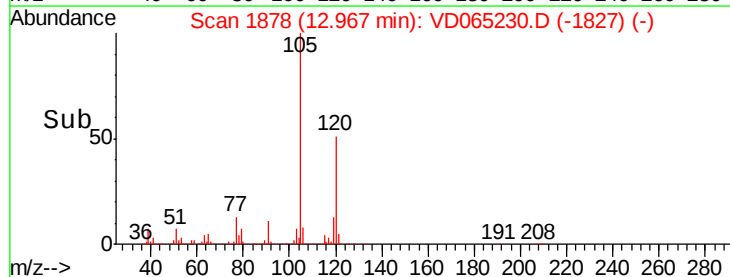
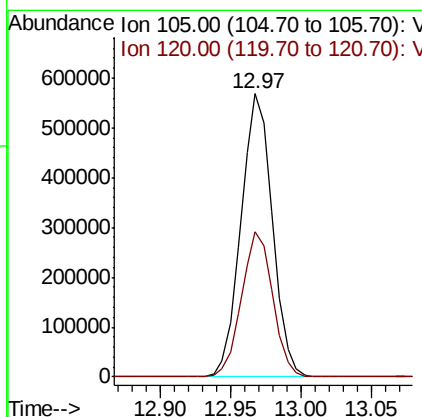
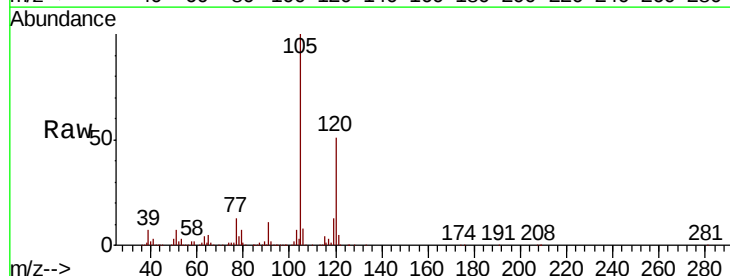
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

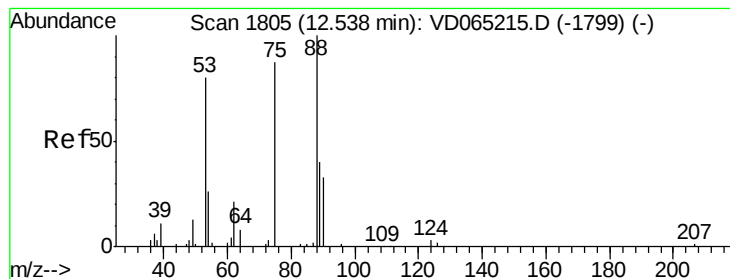
Tot Ion: 91 Resp: 718628
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.915 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 105 Resp: 885067
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.048 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

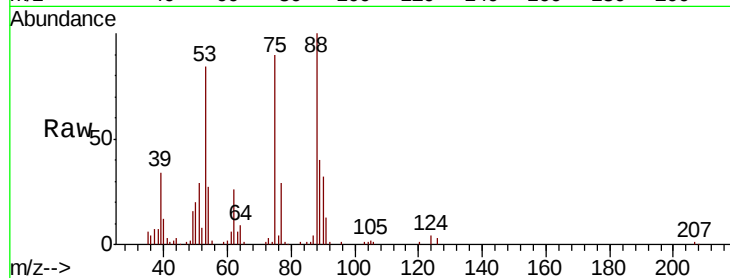
Tot Ion: 75 Resp: 60359

Ion Ratio Lower Upper

75 100

53 95.3 77.6 116.4

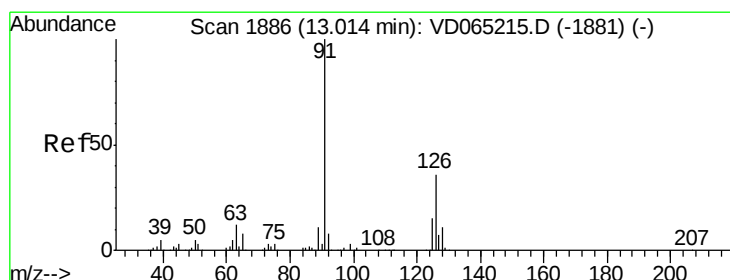
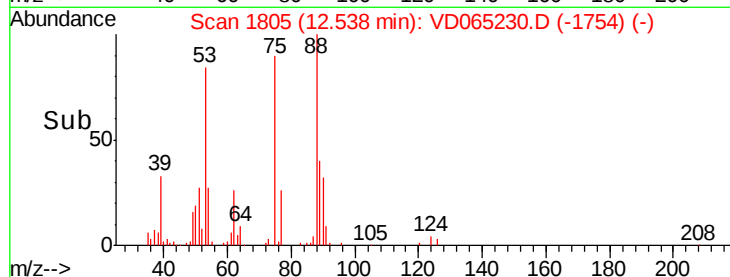
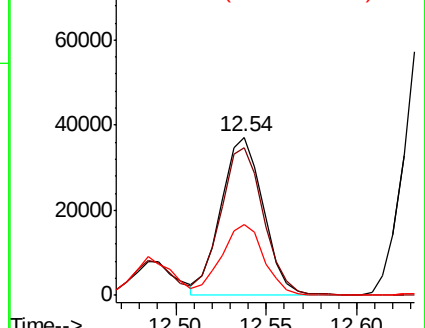
89 45.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.655 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065230.D

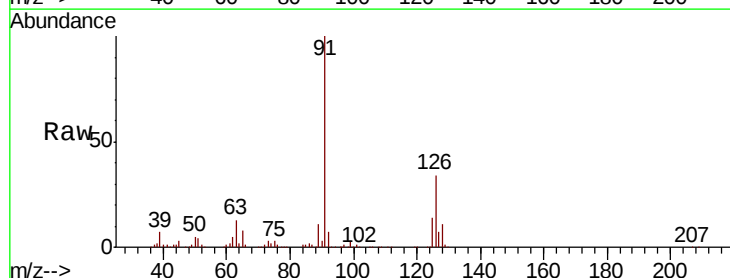
Acq: 18 Feb 2020 20:36

Tgt Ion: 91 Resp: 749016

Ion Ratio Lower Upper

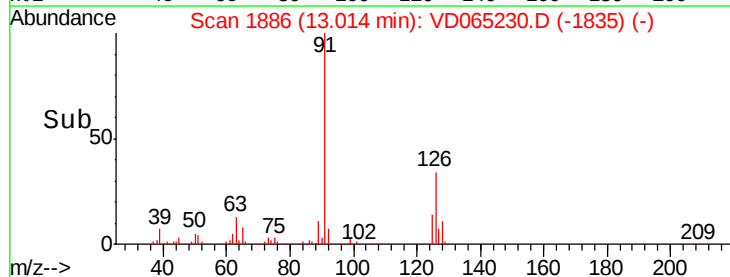
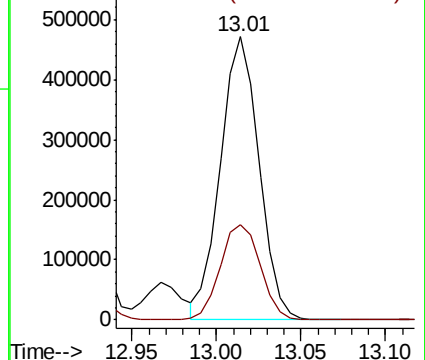
91 100

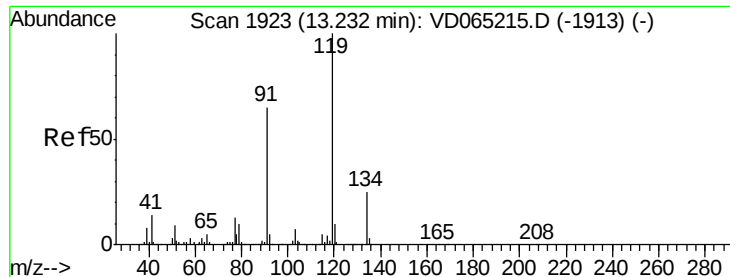
126 35.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.417 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

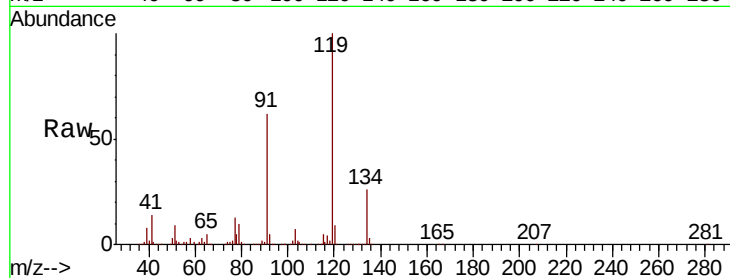
Tot Ion:119 Resp: 734542

Ion Ratio Lower Upper

119 100

91 63.3 31.9 95.5

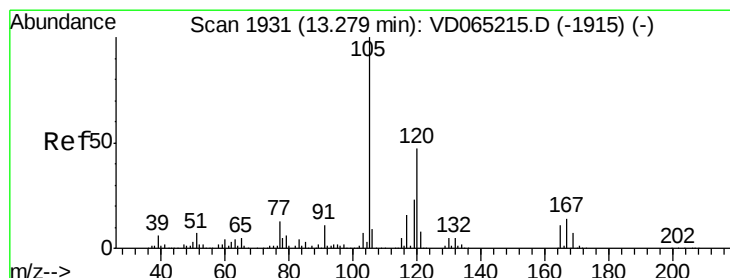
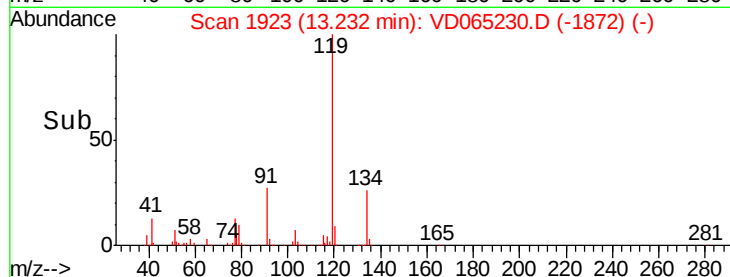
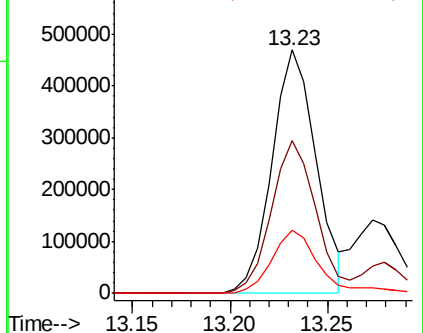
134 27.8 13.8 41.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.793 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065230.D

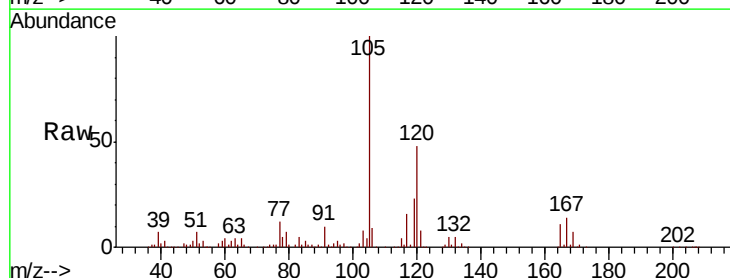
Acq: 18 Feb 2020 20:36

Tgt Ion:105 Resp: 883764

Ion Ratio Lower Upper

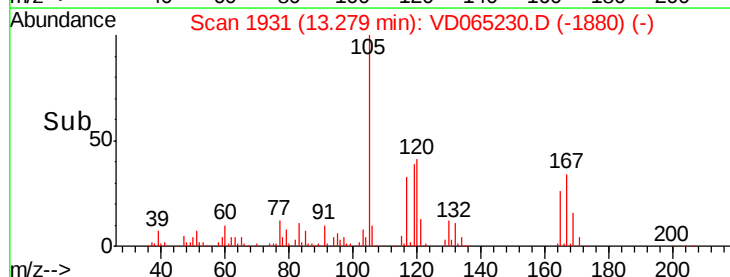
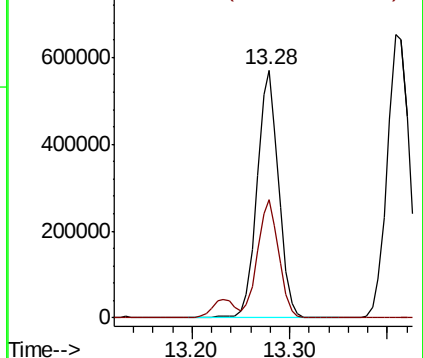
105 100

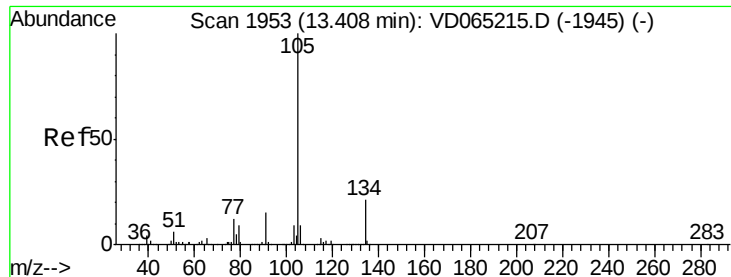
120 47.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.389 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

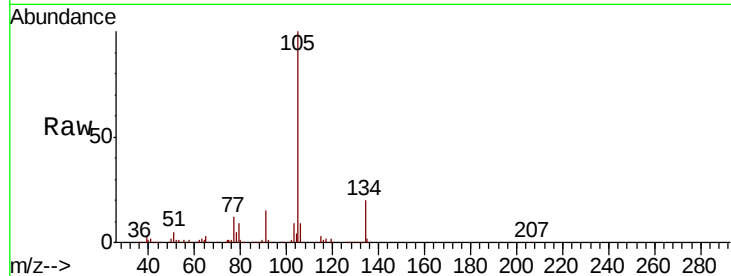
VSTDCCC050EC

Tot Ion:105 Resp: 1036852

Ion Ratio Lower Upper

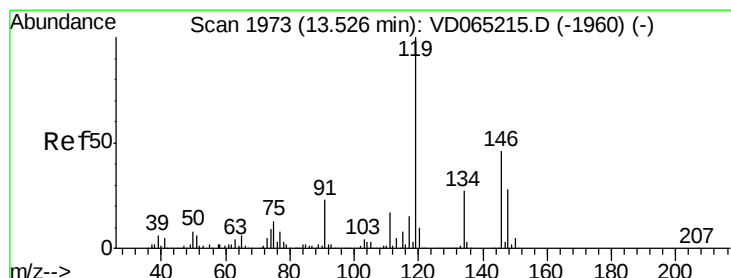
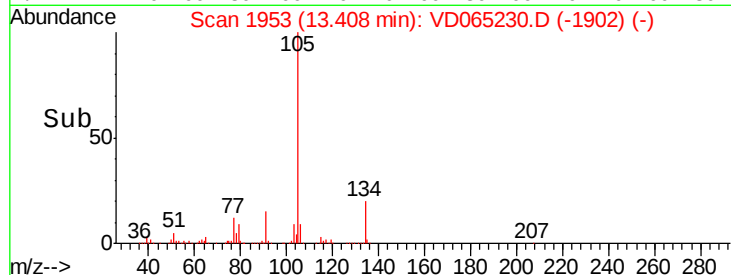
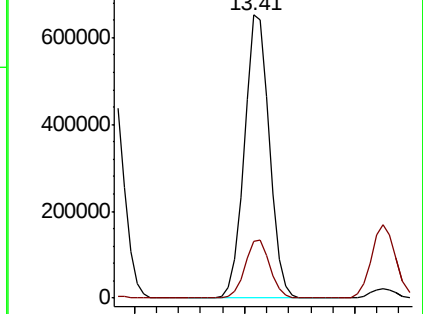
105 100

134 20.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.194 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

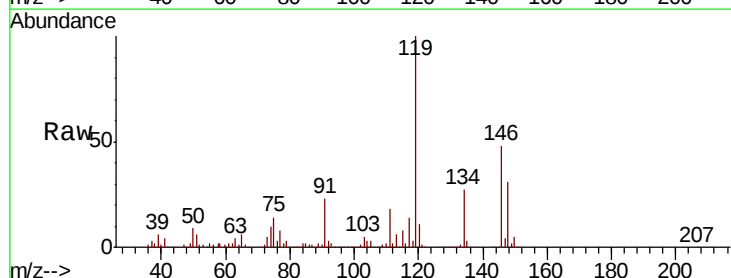
Tgt Ion:119 Resp: 963660

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

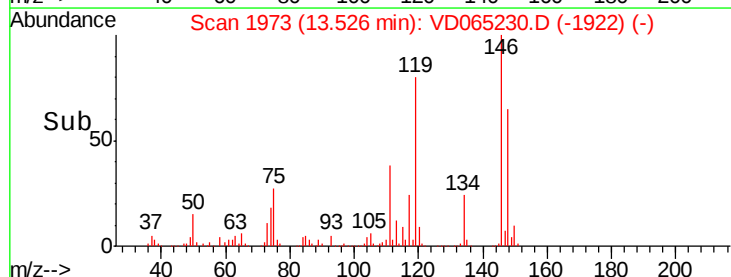
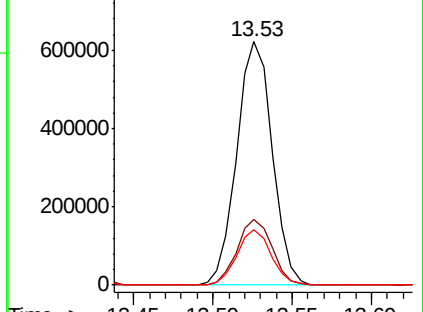
91 21.8 11.1 33.1

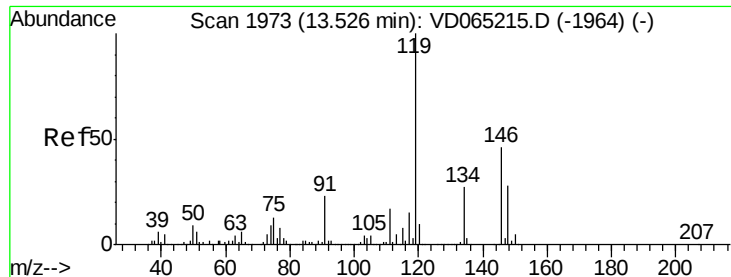


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

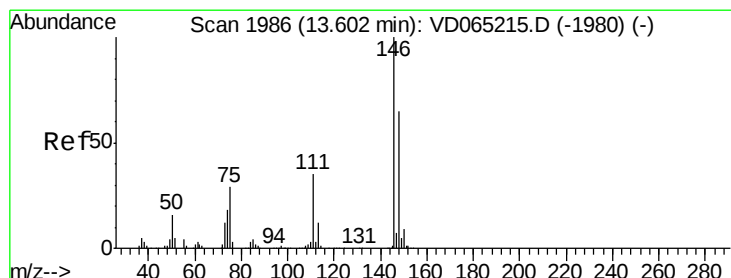
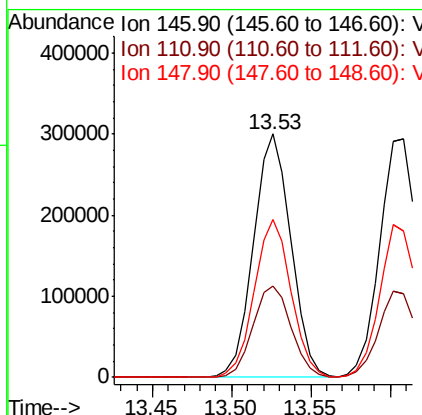
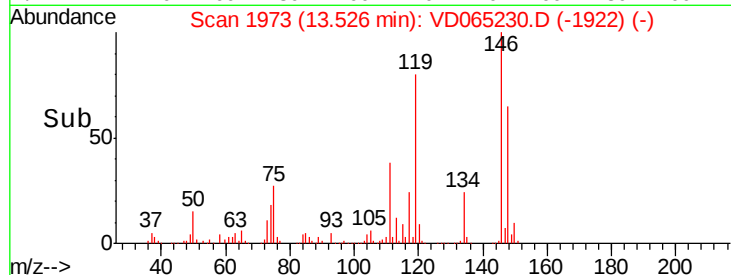
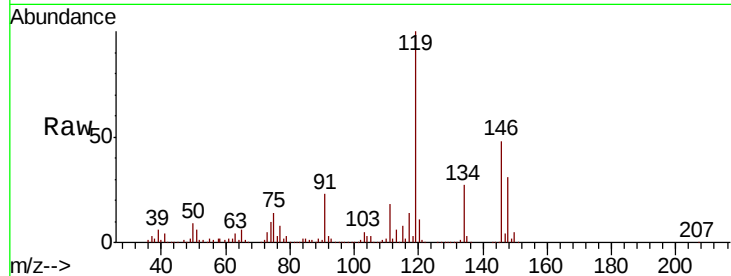




#87
 1,3-Dichlorobenzene
 Concen: 48.669 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

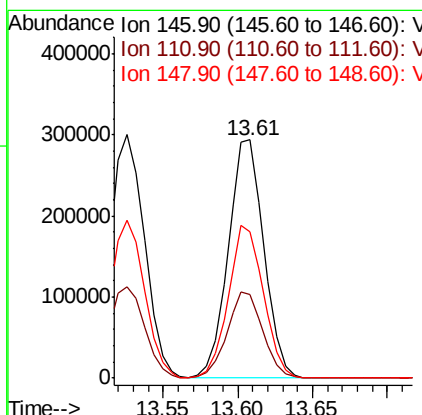
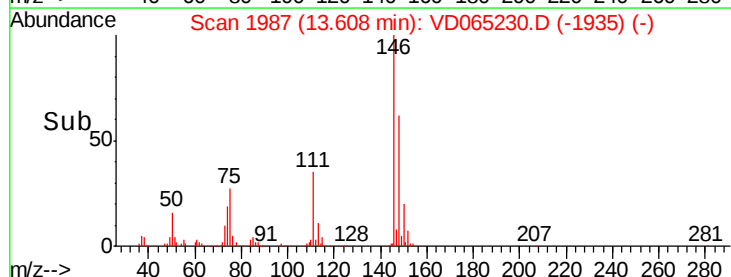
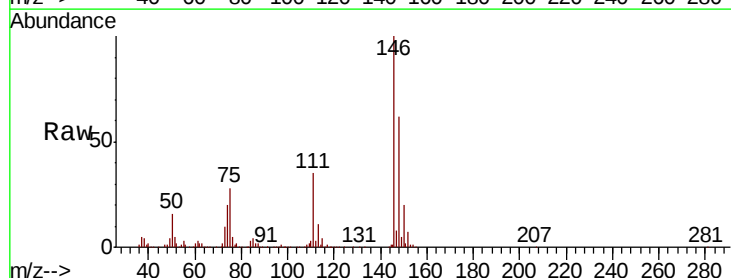
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

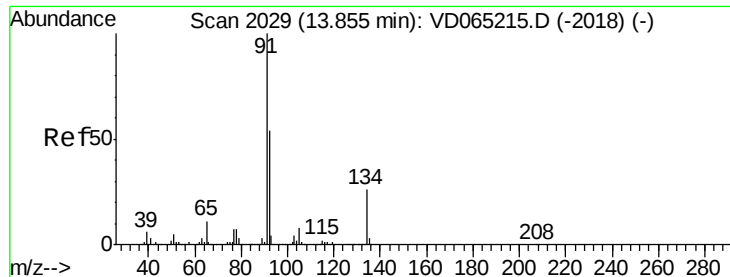
Tot Ion:146 Resp: 493103
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.6 55.8
 148 63.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 48.941 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion:146 Resp: 489393
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.2
 148 63.4 32.1 96.5





#89

n-Butylbenzene

Concen: 49.495 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

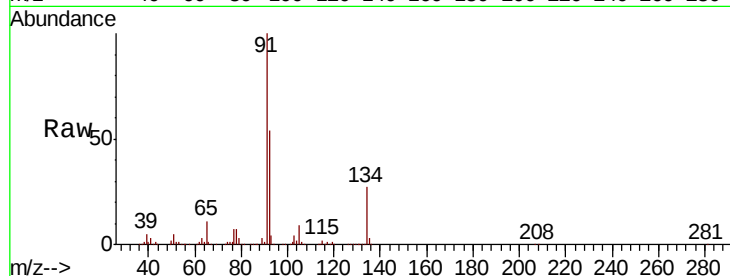
Tot Ion: 91 Resp: 875627

Ion Ratio Lower Upper

91 100

92 54.3 27.0 80.8

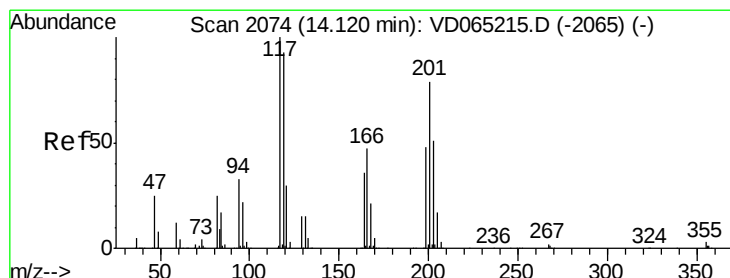
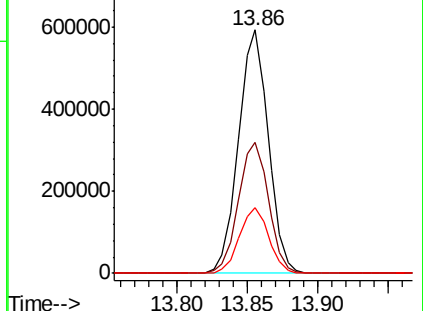
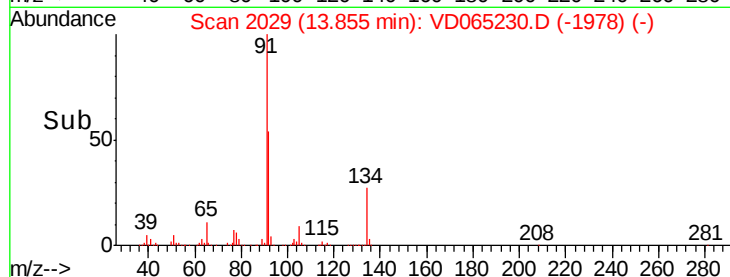
134 26.7 13.5 40.4



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: 48.846 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065230.D

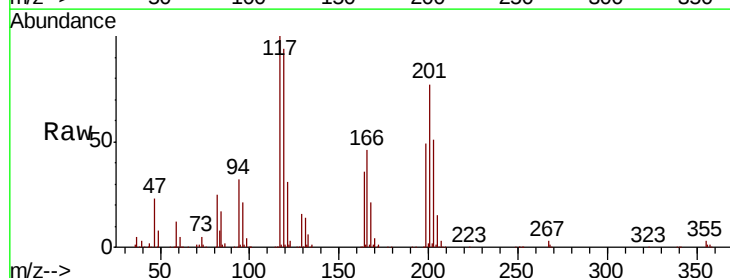
Acq: 18 Feb 2020 20:36

Tgt Ion: 117 Resp: 190411

Ion Ratio Lower Upper

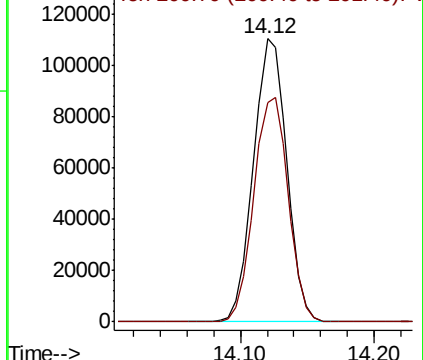
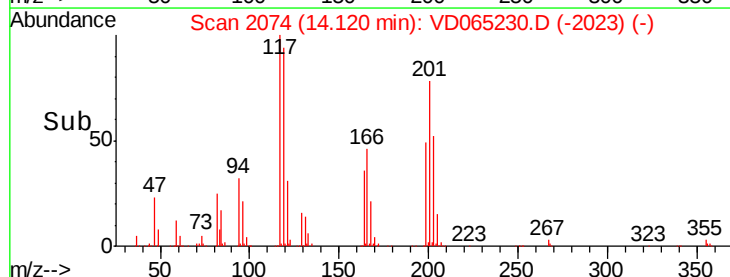
117 100

201 81.9 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

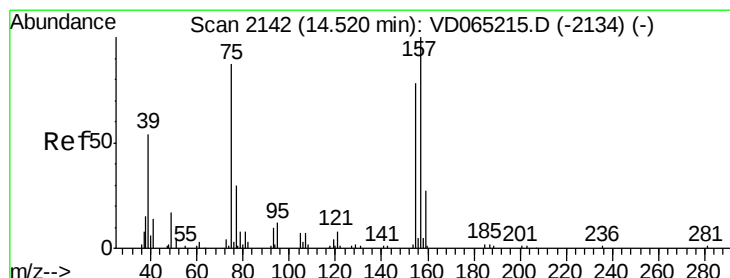
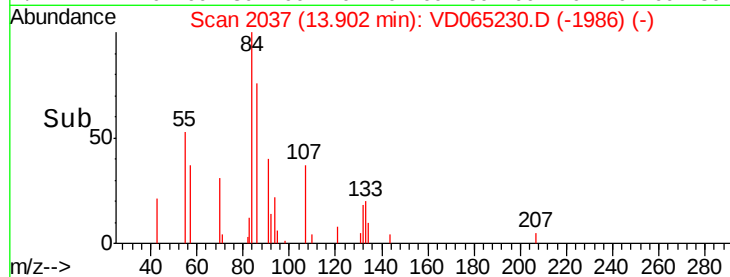
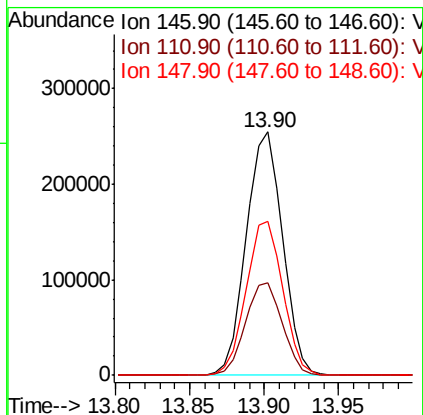
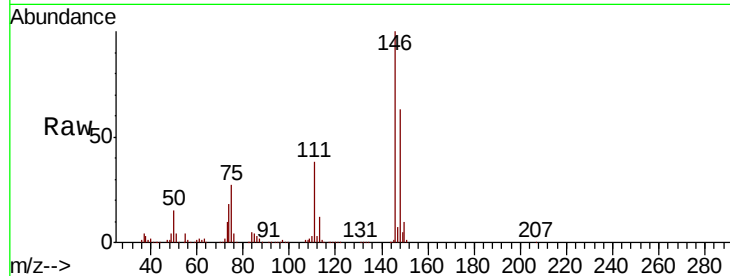




#91
 1,2-Dichlorobenzene
 Concen: 49.320 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

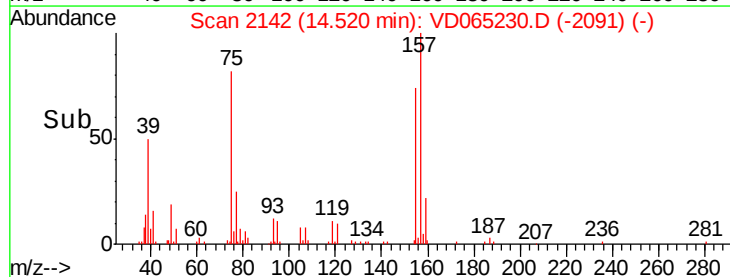
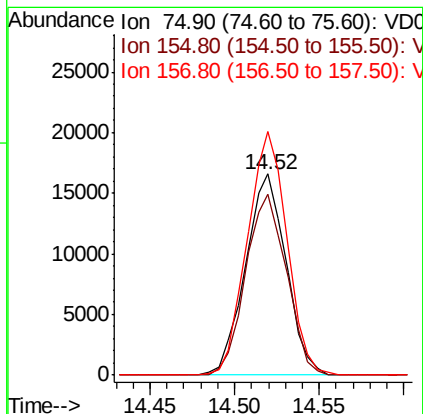
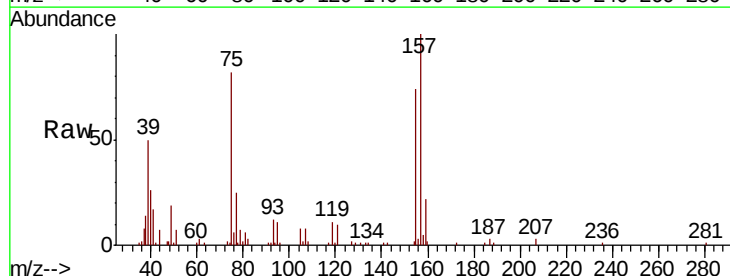
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	63.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.228 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	42.3	126.9
157	117.9	56.7	170.1

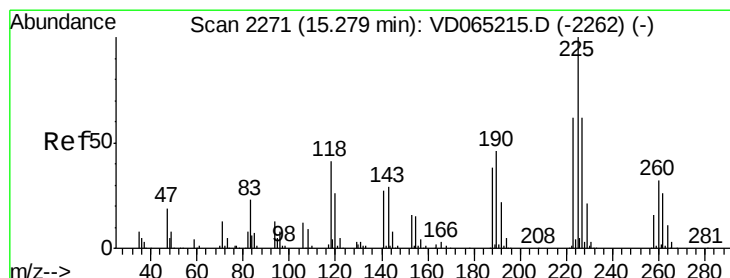
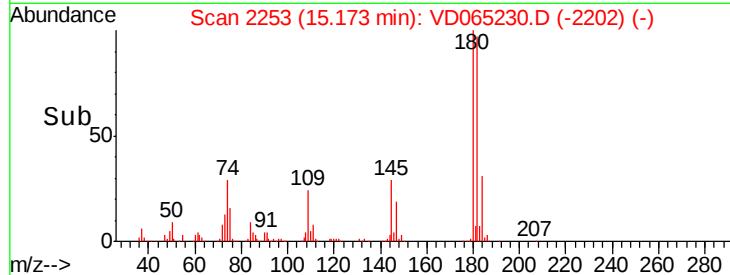
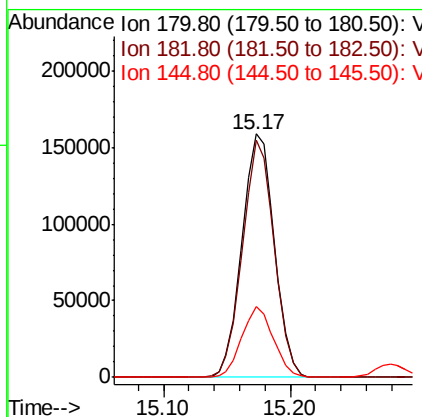
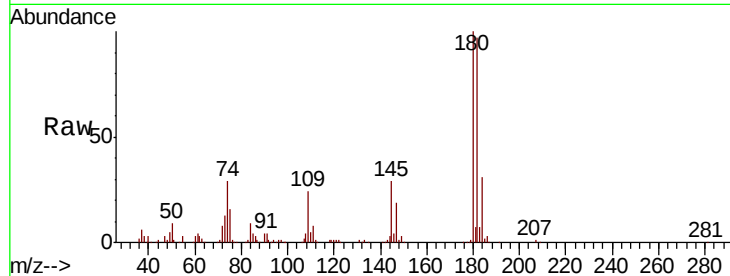




#93
 1,2,4-Trichlorobenzene
 Concen: 49.567 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

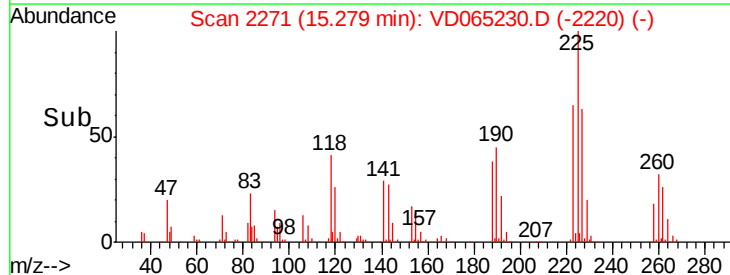
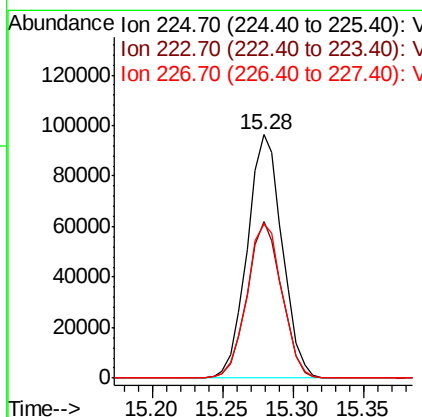
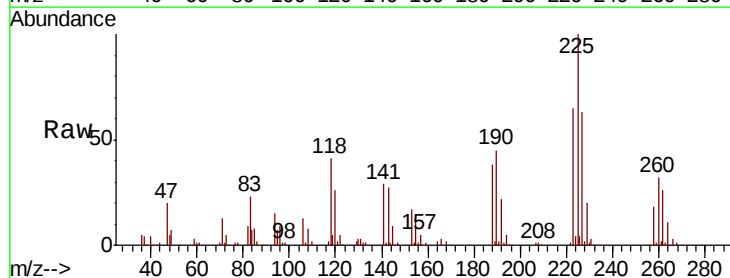
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

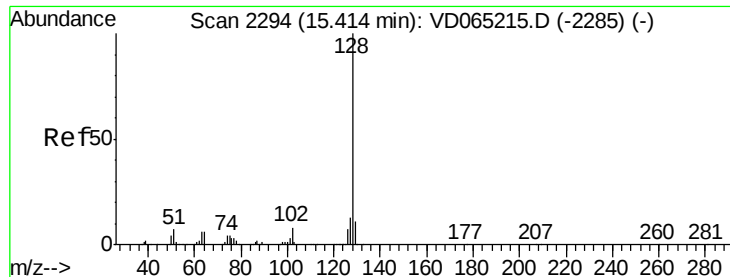
Tot Ion:180 Resp: 282061
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.9 140.6
 145 28.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 45.904 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion:225 Resp: 167566
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.2
 227 64.2 31.7 95.1





#95

Naphthalene

Concen: 52.511 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

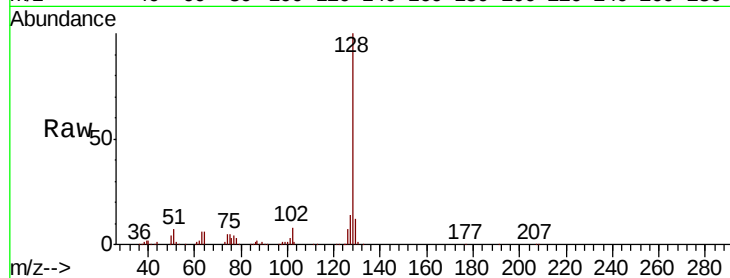
Tot Ion:128 Resp: 485773

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

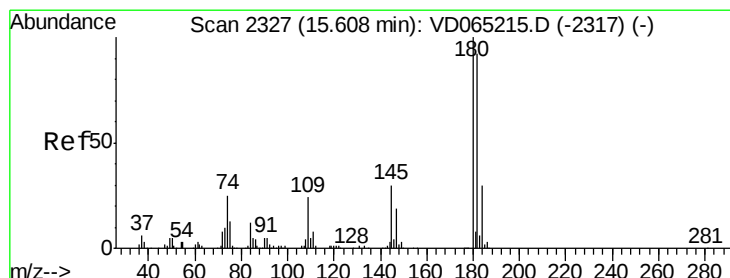
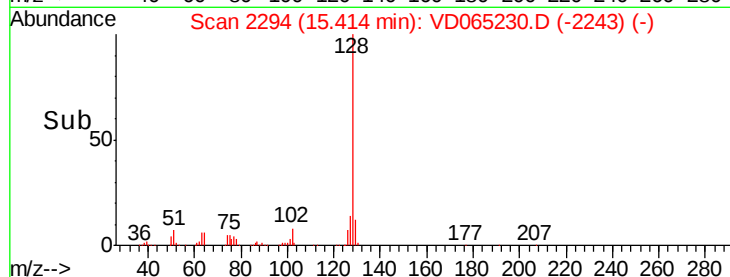
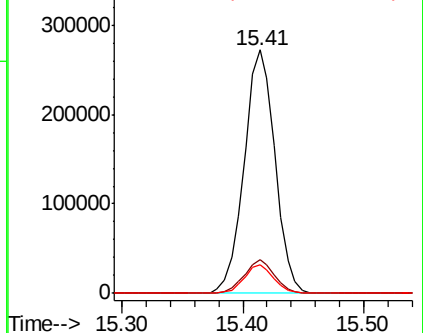
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.351 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

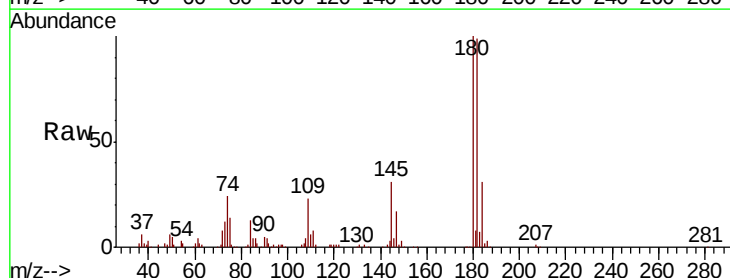
Tgt Ion:180 Resp: 250238

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.6

145 30.5 15.4 46.1



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

