

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065210.D
 Acq On : 17 Feb 2020 21:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 18 03:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	203102	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
35) Dibromofluoromethane	7.91	113	202846	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	
50) Toluene-d8	10.34	98	767519	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
62) 4-Bromofluorobenzene	12.64	95	249640	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159181	45.752	ug/l	98
3) Chloromethane	2.21	50	209933	51.258	ug/l	95
4) Vinyl Chloride	2.35	62	207784	47.971	ug/l	98
5) Bromomethane	2.77	94	125767	44.781	ug/l	98
6) Chloroethane	2.92	64	131488	48.938	ug/l	97
7) Trichlorofluoromethane	3.27	101	301723	47.866	ug/l	99
8) Diethyl Ether	3.71	74	96373	53.257	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	189339	49.134	ug/l	99
10) Methyl Iodide	4.30	142	206689	46.992	ug/l	97
11) Tert butyl alcohol	5.24	59	56480	260.142	ug/l	99
12) 1,1-Dichloroethene	4.06	96	182152	49.356	ug/l	92
13) Acrolein	3.93	56	41358	154.875	ug/l	94
14) Allyl chloride	4.71	41	303649	49.505	ug/l	96
15) Acrylonitrile	5.43	53	233282	294.869	ug/l	99
16) Acetone	4.16	43	198142	223.026	ug/l	97
17) Carbon Disulfide	4.40	76	573099	48.364	ug/l	99
18) Methyl Acetate	4.73	43	110131	59.332	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	435873	53.408	ug/l	96
20) Methylene Chloride	4.96	84	221804	57.273	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	215722	51.664	ug/l	95
22) Diisopropyl ether	6.37	45	648174	56.024	ug/l	99
23) Vinyl Acetate	6.31	43	1835702	284.662	ug/l	100
24) 1,1-Dichloroethane	6.27	63	370847	52.956	ug/l	99
25) 2-Butanone	7.22	43	291170	274.751	ug/l	97
26) 2,2-Dichloropropane	7.21	77	298927	47.623	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	233586	52.658	ug/l	98
28) Bromochloromethane	7.55	49	162780	61.319	ug/l	99
29) Tetrahydrofuran	7.57	42	190824	297.755	ug/l	99
30) Chloroform	7.71	83	380078	54.508	ug/l	98
31) Cyclohexane	7.98	56	322674	45.646	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	326451	50.259	ug/l	100
36) 1,1-Dichloropropene	8.11	75	290152	49.823	ug/l	99
37) Ethyl Acetate	7.30	43	132485	55.686	ug/l	99
38) Carbon Tetrachloride	8.10	117	294494	49.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	340256	47.335	ug/l	98
40) Benzene	8.36	78	852648	53.020	ug/l	100
41) Methacrylonitrile	7.53	41	75691	57.748	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	243136	53.060	ug/l	98
43) Isopropyl Acetate	8.46	43	245731	53.993	ug/l	98
44) Trichloroethene	9.11	130	227631	49.313	ug/l	97
45) 1,2-Dichloropropane	9.39	63	220392	57.159	ug/l	99
46) Dibromomethane	9.48	93	113922	56.227	ug/l	98
47) Bromodichloromethane	9.67	83	296373	55.515	ug/l	99
48) Methyl methacrylate	9.46	41	120425	54.988	ug/l	95
49) 1,4-Dioxane	9.47	88	27223	1134.395	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	655864	292.778	ug/l	99
52) Toluene	10.41	92	546643	53.258	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	279353	53.744	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	332877	53.546	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	161295	58.039	ug/l	97
56) Ethyl methacrylate	10.67	69	199829	56.829	ug/l	96
57) 1,3-Dichloropropane	10.95	76	276286	56.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	300184	265.388	ug/l	100
59) 2-Hexanone	10.99	43	451020	284.242	ug/l	98
60) Dibromochloromethane	11.14	129	206955	57.493	ug/l	100
61) 1,2-Dibromoethane	11.25	107	151861	55.924	ug/l	100
64) Tetrachloroethene	10.88	164	198535	47.221	ug/l	97
65) Chlorobenzene	11.67	112	573744	50.697	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216594	51.855	ug/l	99
67) Ethyl Benzene	11.75	91	1009630	49.104	ug/l	99
68) m/p-Xylenes	11.86	106	785831	100.136	ug/l	100
69) o-Xylene	12.18	106	357568	50.598	ug/l	98
70) Styrene	12.20	104	636859	51.851	ug/l	99
71) Bromoform	12.37	173	121119	53.873	ug/l	98
73) Isopropylbenzene	12.48	105	943066	47.588	ug/l	100
74) N-amyl acetate	12.30	43	223385	51.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	173694	55.690	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	224661	102.772	ug/l #	100
77) Bromobenzene	12.77	156	237556	49.753	ug/l	98
78) n-propylbenzene	12.83	91	1143253	49.261	ug/l	99
79) 2-Chlorotoluene	12.91	91	629501	48.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	789135	48.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56784	51.950	ug/l	97
82) 4-Chlorotoluene	13.01	91	670175	49.327	ug/l	99
83) tert-Butylbenzene	13.23	119	655839	46.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792209	49.219	ug/l	100
85) sec-Butylbenzene	13.41	105	921505	48.237	ug/l	99
86) p-Isopropyltoluene	13.53	119	865888	48.783	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	446795	49.979	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	439651	49.412	ug/l	99
89) n-Butylbenzene	13.86	91	785302	47.934	ug/l	100
90) Hexachloroethane	14.12	117	170536	50.739	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	390371	50.981	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25909	50.887	ug/l	92

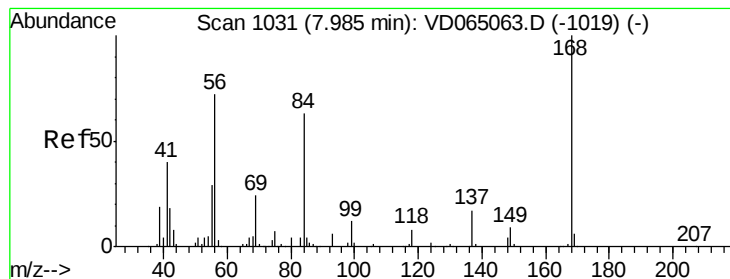
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	259867	47.483	ug/l	99
94) Hexachlorobutadiene	15.28	225	151304	44.963	ug/l	99
95) Naphthalene	15.41	128	458535	50.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	228595	48.832	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

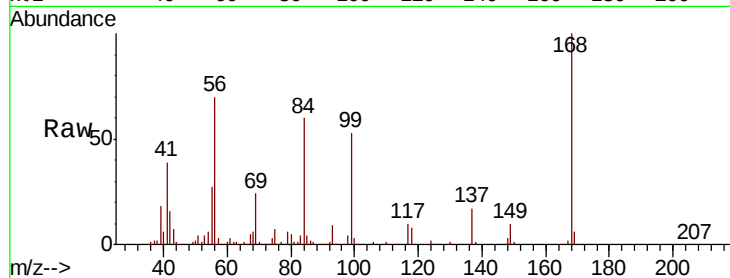
VSTDCCC050EC

Tot Ion:168 Resp: 418096

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

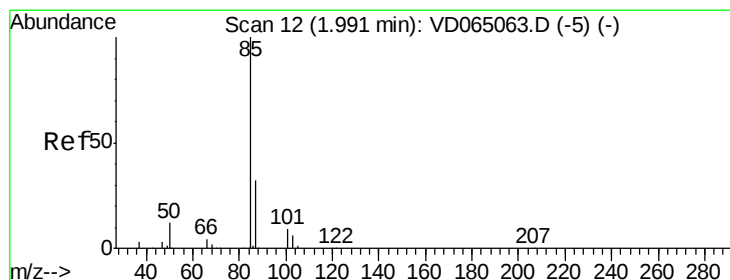
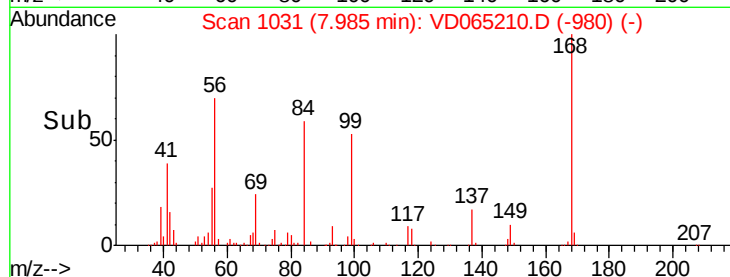
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.752 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065210.D

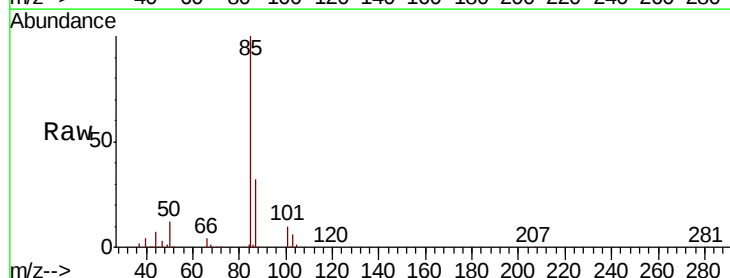
Acq: 17 Feb 2020 21:30

Tgt Ion: 85 Resp: 159181

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

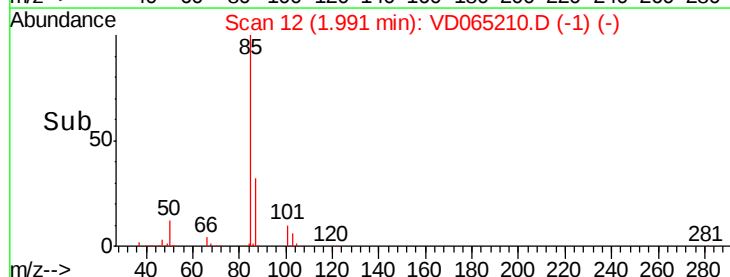
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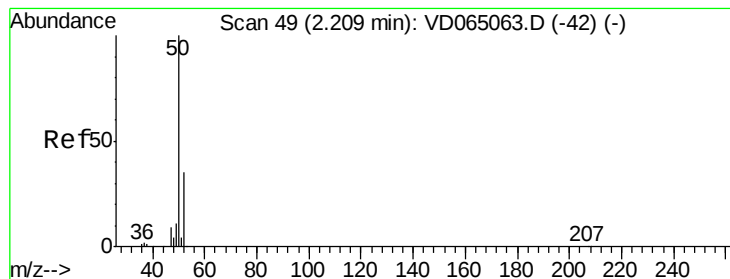
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 51.258 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

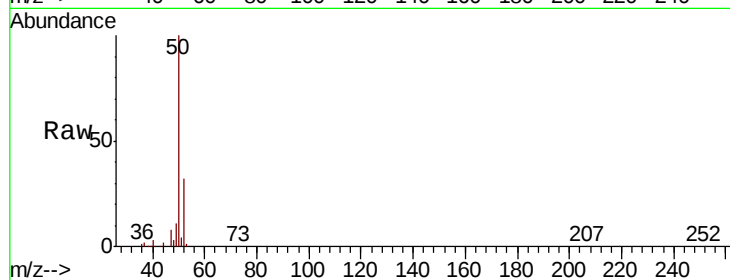
VSTDCCC050EC

Tot Ion: 50 Resp: 209933

Ion Ratio Lower Upper

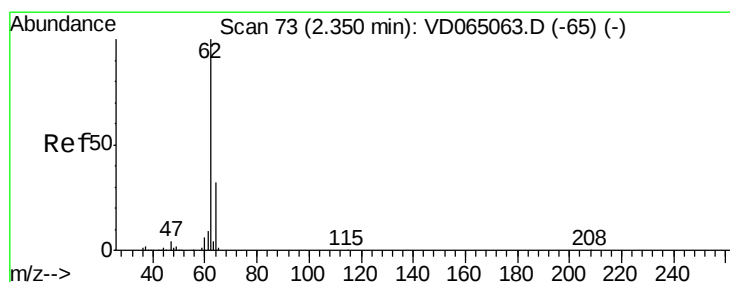
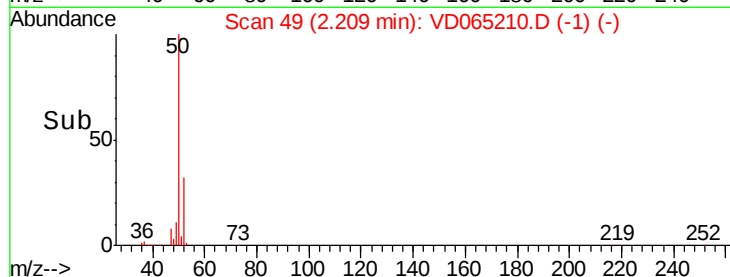
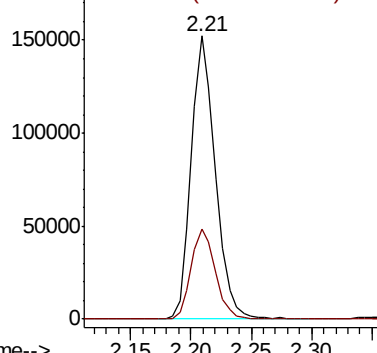
50 100

52 31.9 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.971 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065210.D

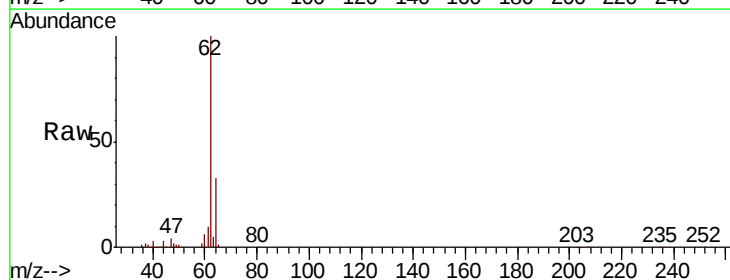
Acq: 17 Feb 2020 21:30

Tgt Ion: 62 Resp: 207784

Ion Ratio Lower Upper

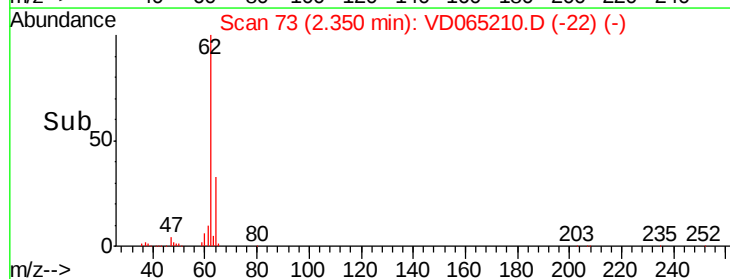
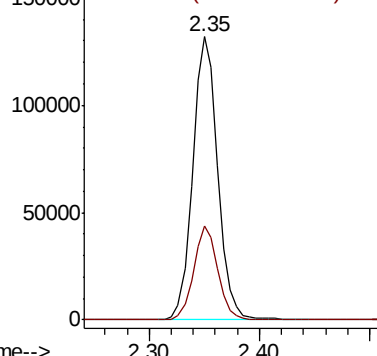
62 100

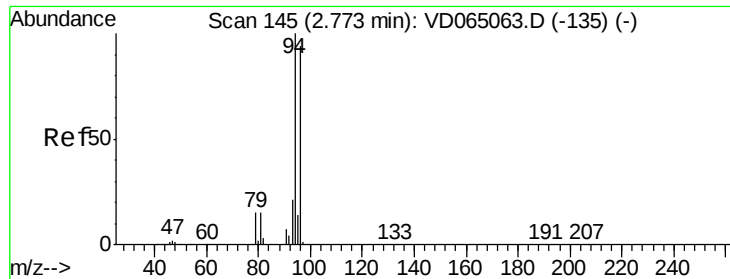
64 33.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.781 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

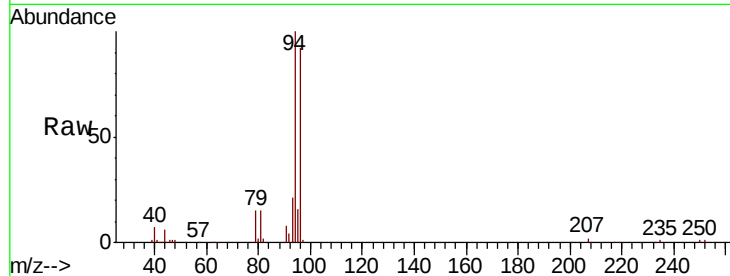
VSTDCCC050EC

Tot Ion: 94 Resp: 125767

Ion Ratio Lower Upper

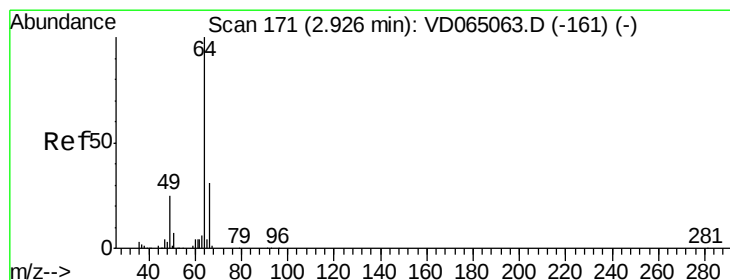
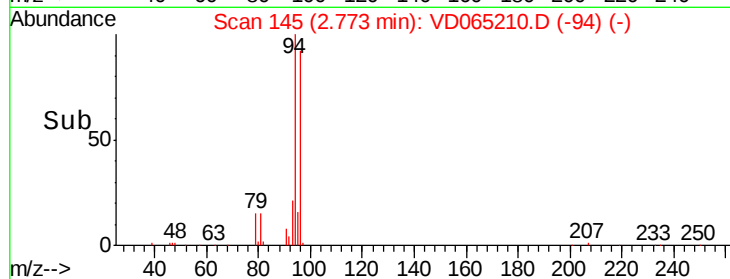
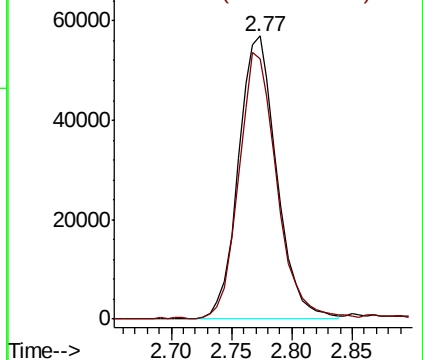
94 100

96 92.0 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.938 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065210.D

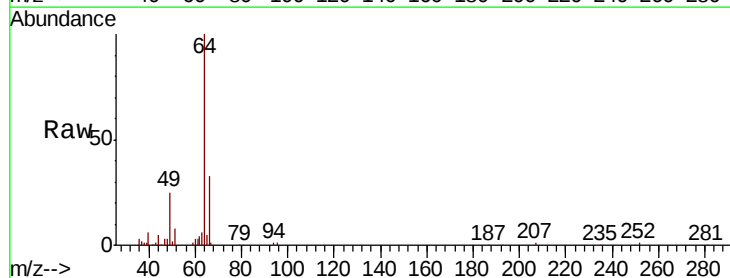
Acq: 17 Feb 2020 21:30

Tgt Ion: 64 Resp: 131488

Ion Ratio Lower Upper

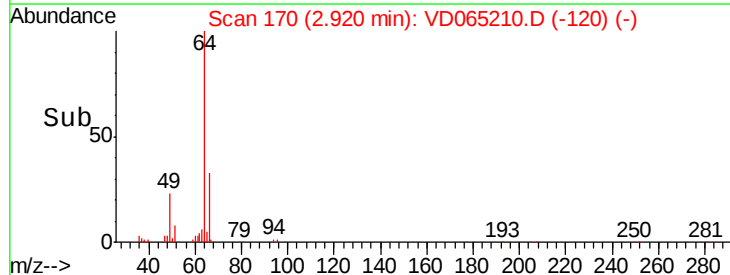
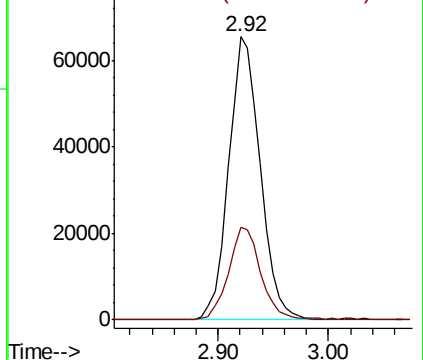
64 100

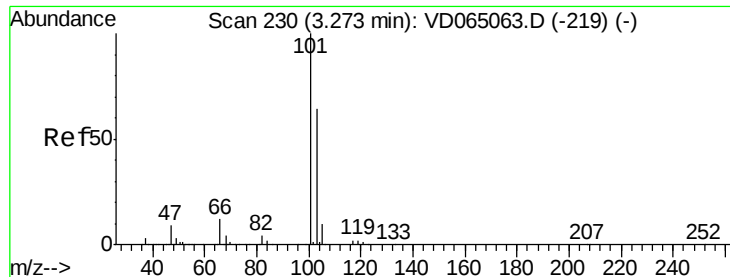
66 32.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



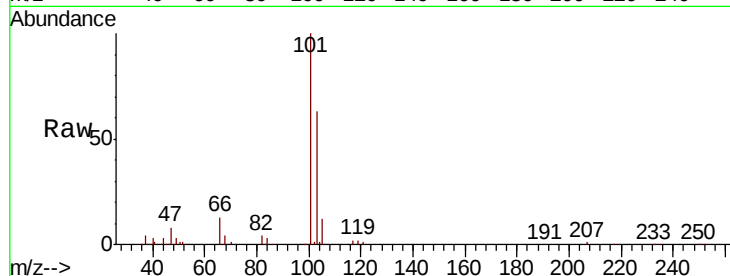


#7

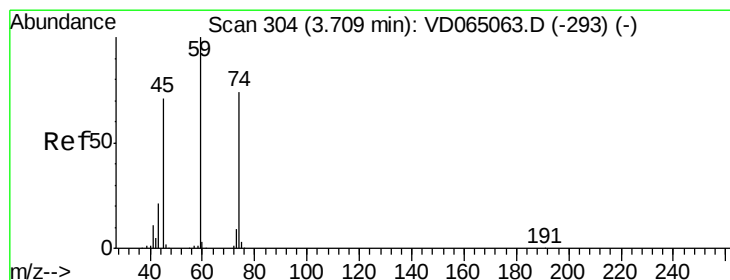
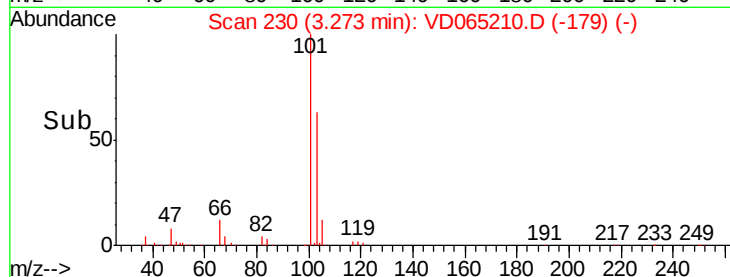
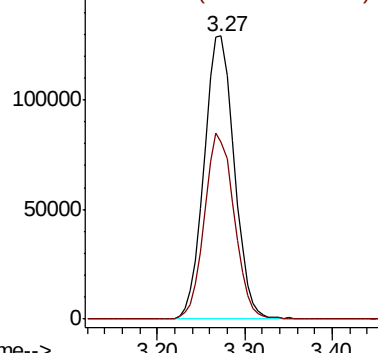
Trichlorofluoromethane
 Concen: 47.866 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 301723
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.0 76.6



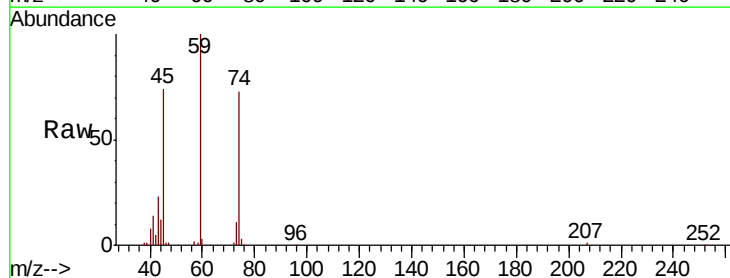
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



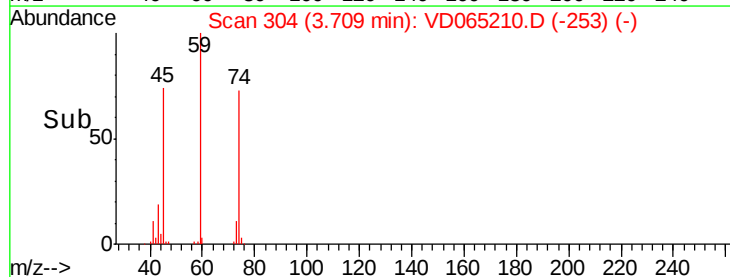
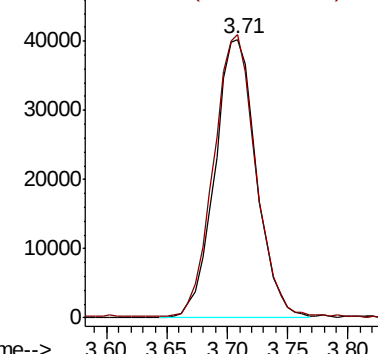
#8

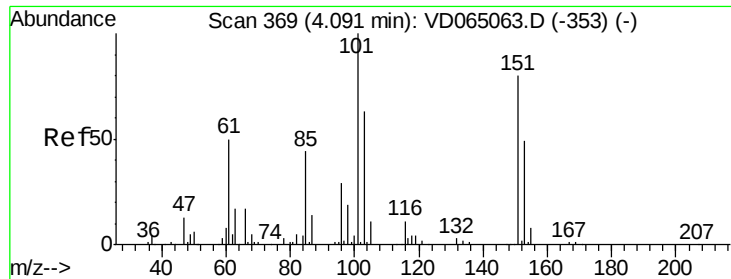
Diethyl Ether
 Concen: 53.257 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion: 74 Resp: 96373
 Ion Ratio Lower Upper
 74 100
 45 102.4 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.134 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

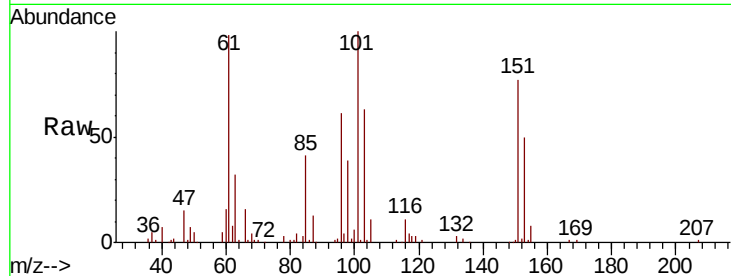
Tot Ion:101 Resp: 189339

Ion Ratio Lower Upper

101 100

85 42.0 34.0 51.0

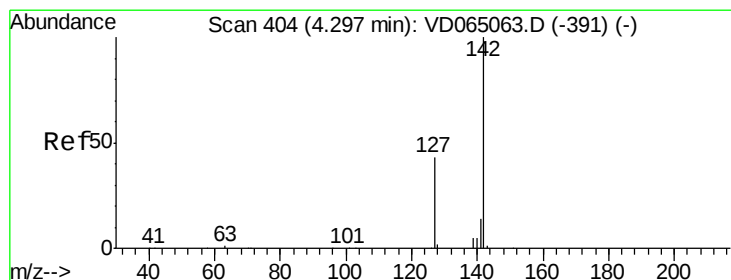
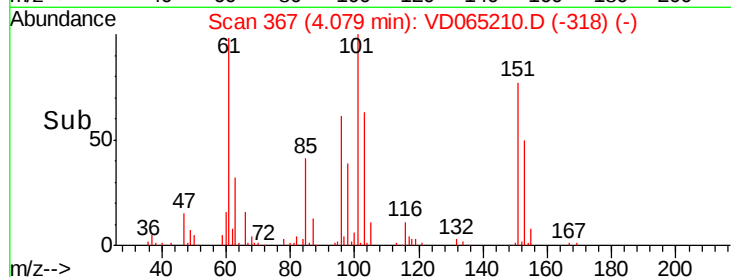
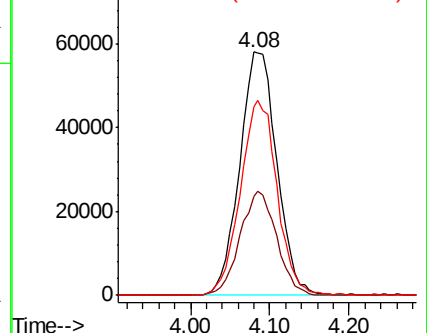
151 79.1 64.0 96.0



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: 46.992 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

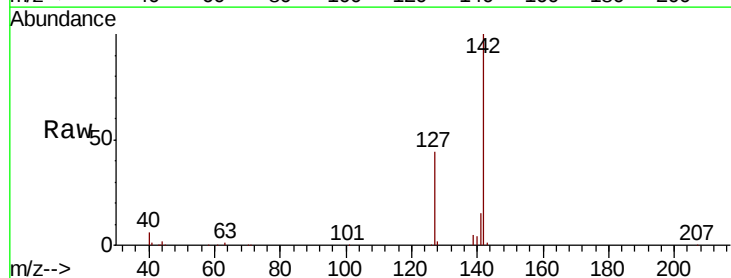
Tgt Ion:142 Resp: 206689

Ion Ratio Lower Upper

142 100

127 44.5 34.0 51.0

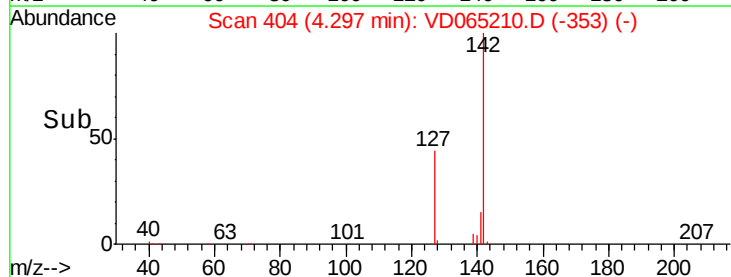
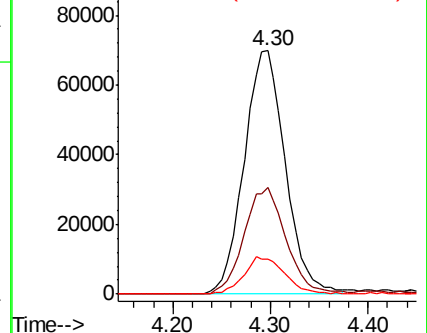
141 15.0 11.6 17.4

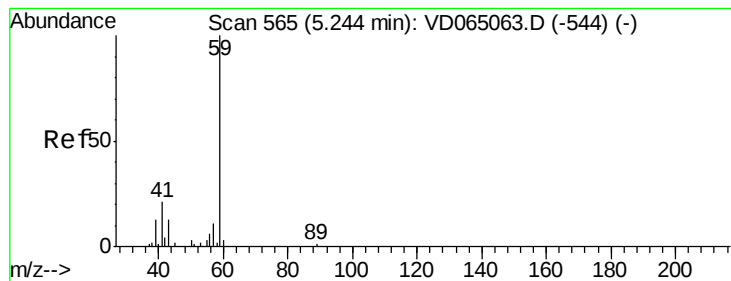


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 260.142 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

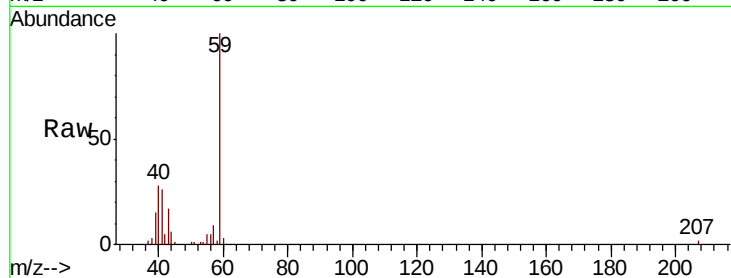
VSTDCCC050EC

Tot Ion: 59 Resp: 56480

Ion Ratio Lower Upper

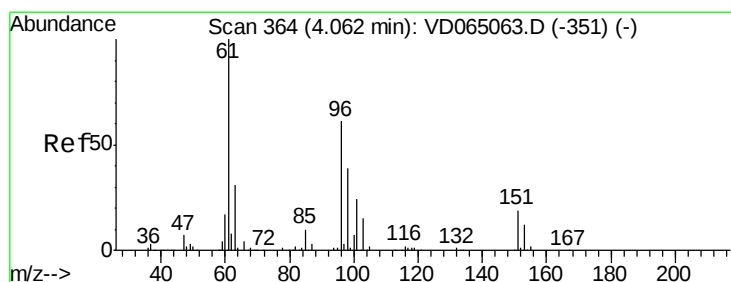
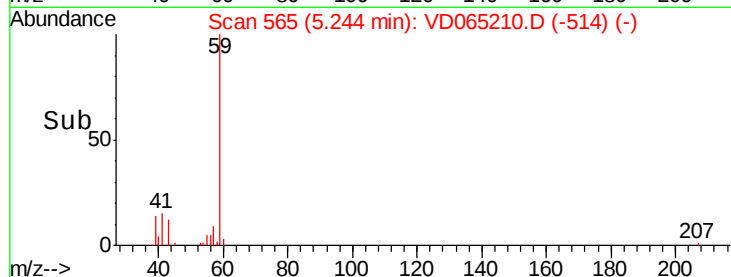
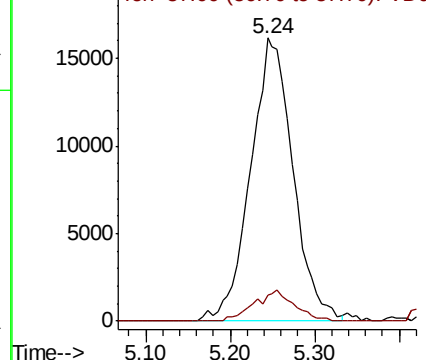
59 100

57 10.5 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 49.356 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

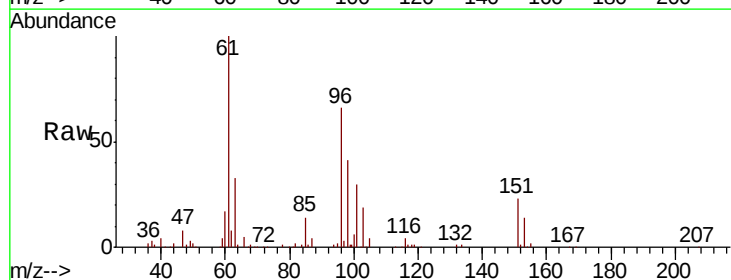
Tgt Ion: 96 Resp: 182152

Ion Ratio Lower Upper

96 100

61 150.7 131.4 197.2

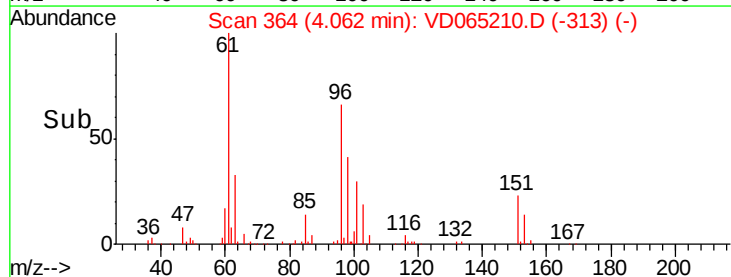
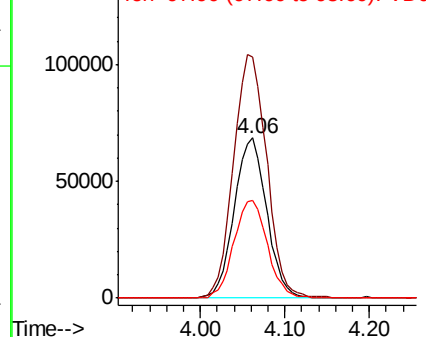
98 61.3 51.1 76.7

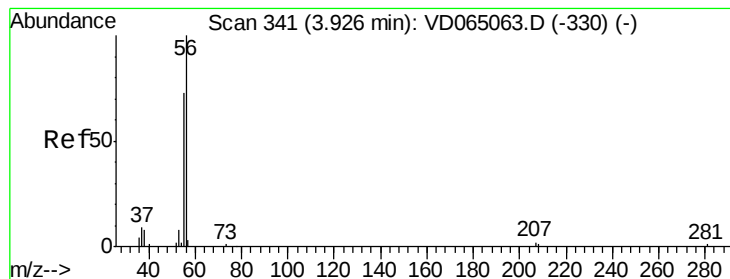


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 154.875 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

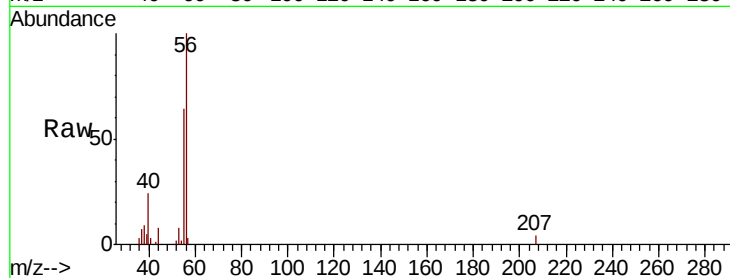
VSTDCCC050EC

Tot Ion: 56 Resp: 41358

Ion Ratio Lower Upper

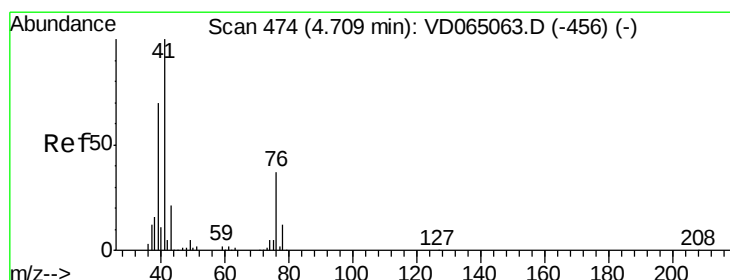
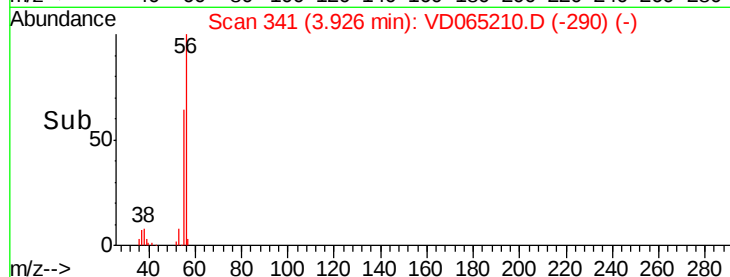
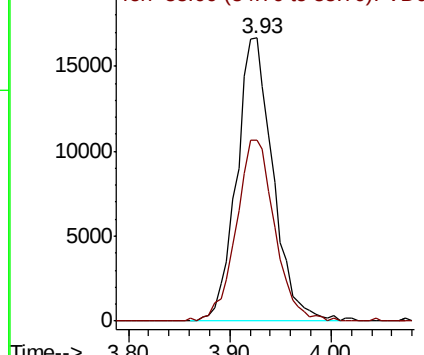
56 100

55 67.9 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.505 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

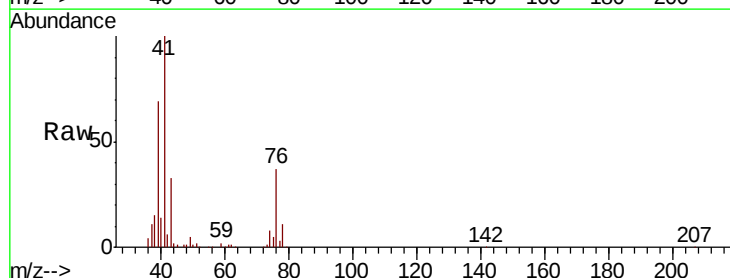
Tgt Ion: 41 Resp: 303649

Ion Ratio Lower Upper

41 100

39 67.0 57.1 85.7

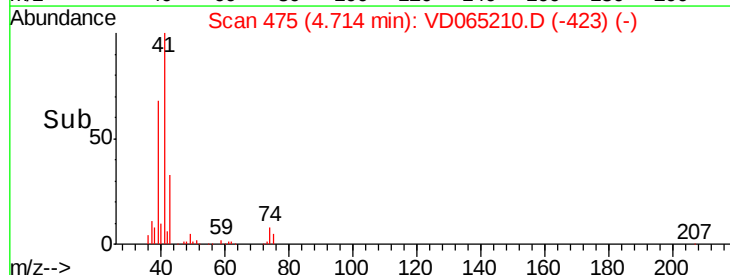
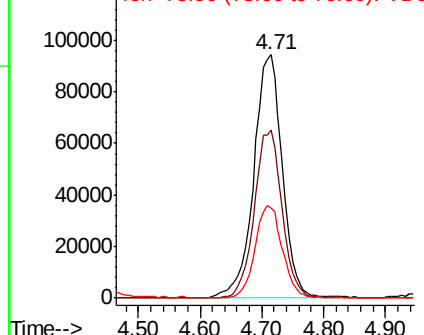
76 36.3 28.0 42.0

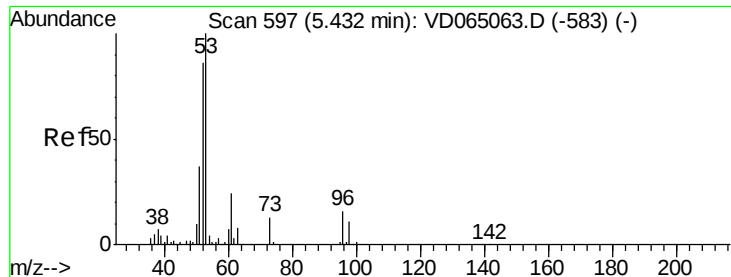


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 294.869 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

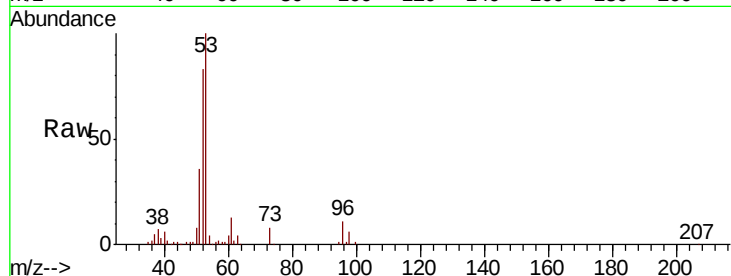
Tot Ion: 53 Resp: 233282

Ion Ratio Lower Upper

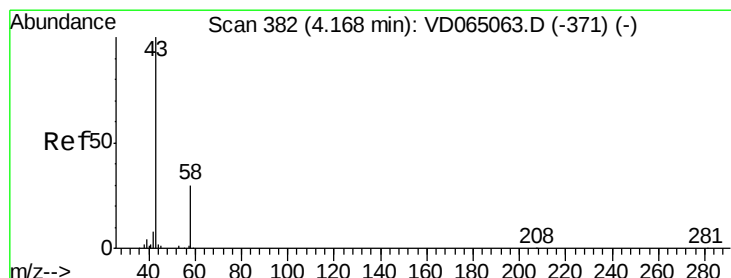
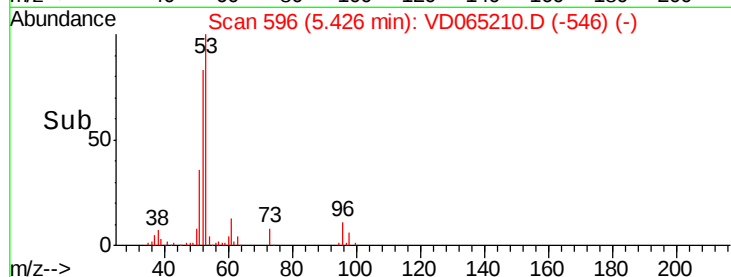
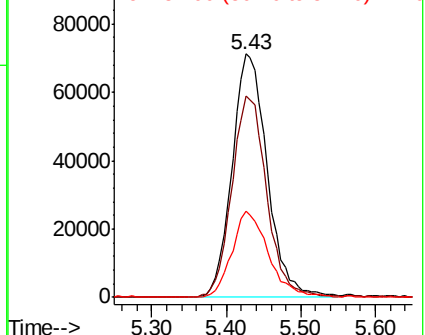
53 100

52 81.7 66.2 99.2

51 36.8 30.4 45.6



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: 223.026 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065210.D

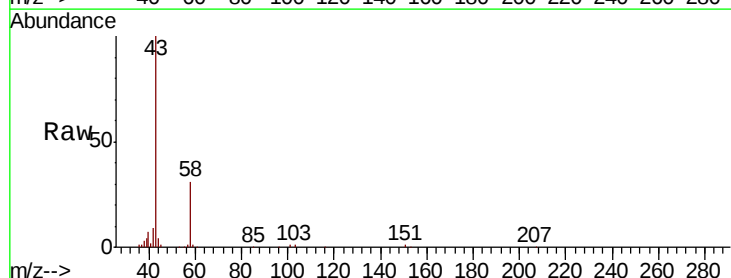
Acq: 17 Feb 2020 21:30

Tgt Ion: 43 Resp: 198142

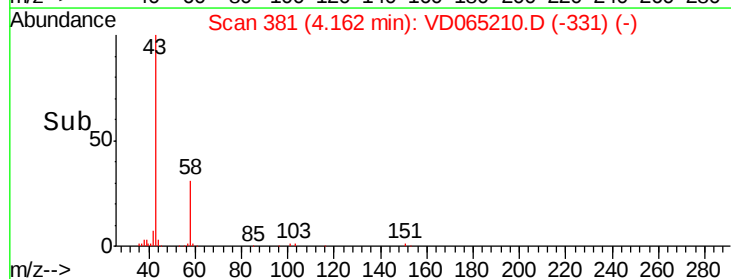
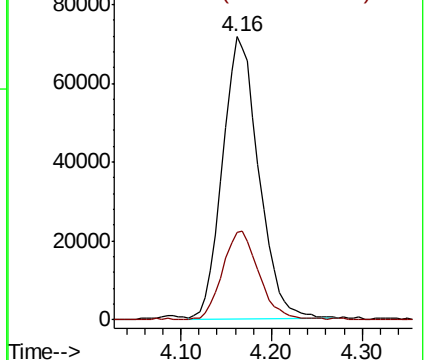
Ion Ratio Lower Upper

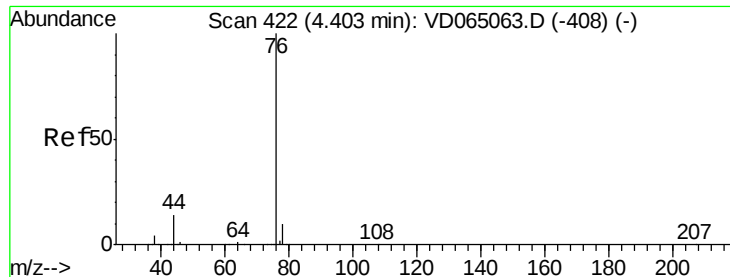
43 100

58 31.1 23.5 35.3



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

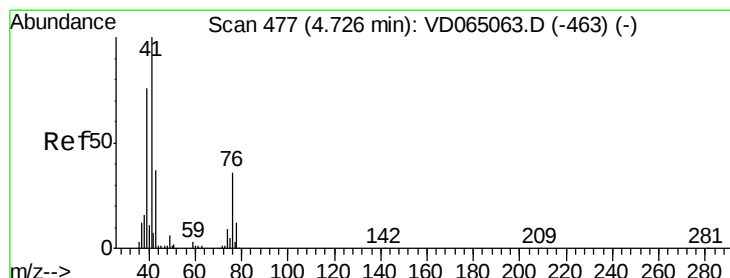
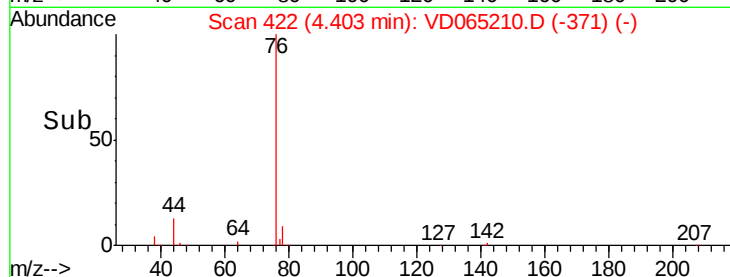
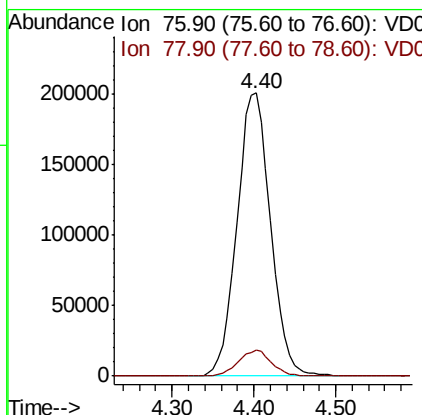
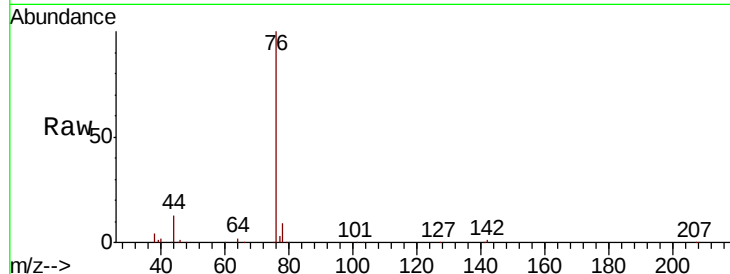




#17
Carbon Disulfide
Concen: 48.364 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

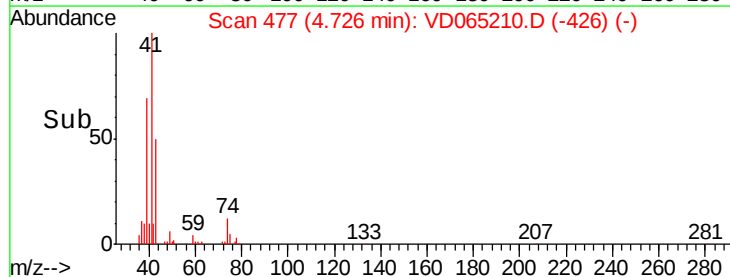
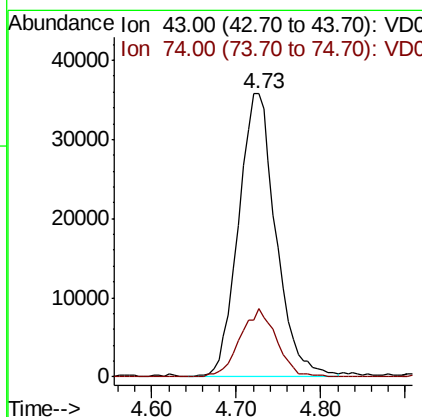
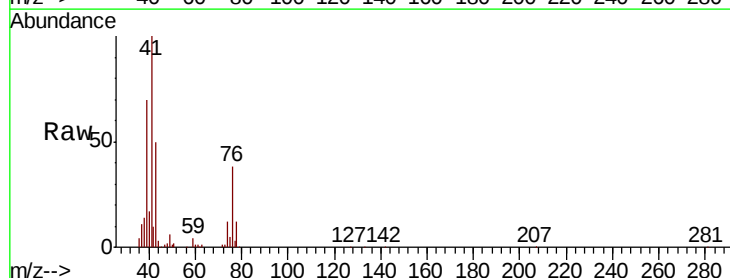
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

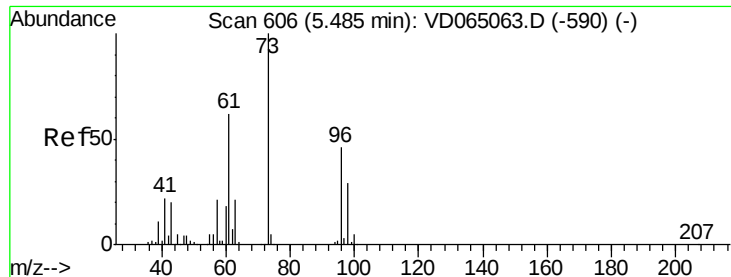
Tot Ion: 76 Resp: 573099
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 59.332 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 43 Resp: 110131
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1

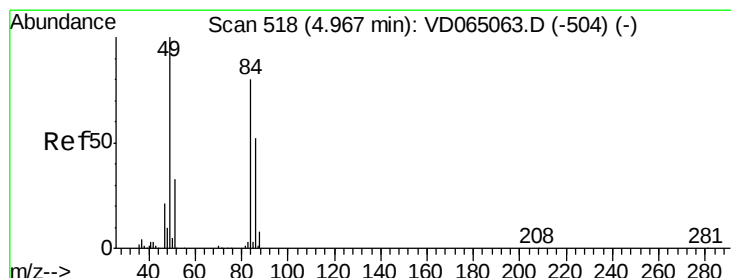
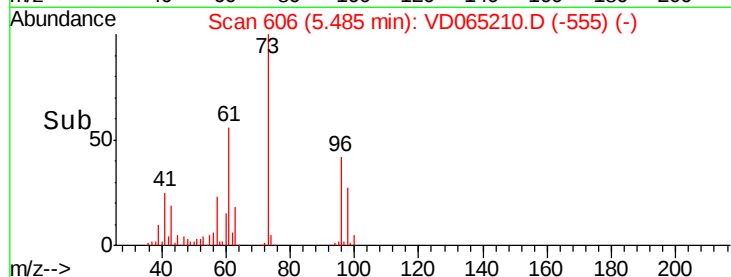
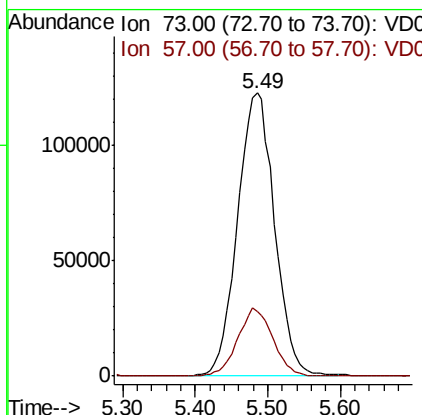
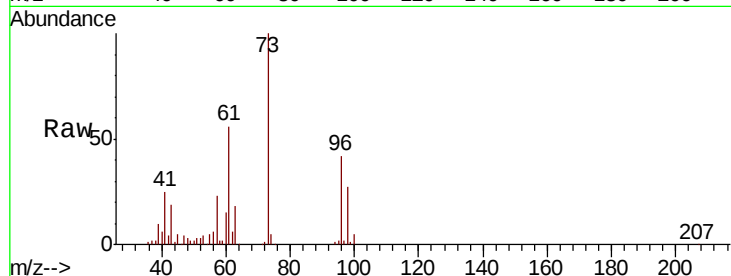




#19
Methvl tert-butvl Ether
Concen: 53.408 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

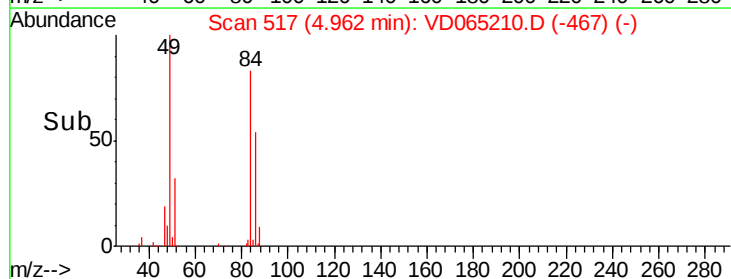
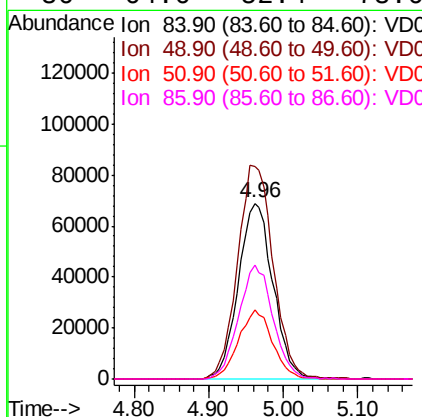
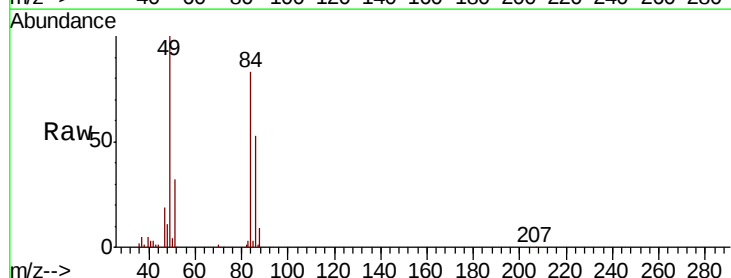
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

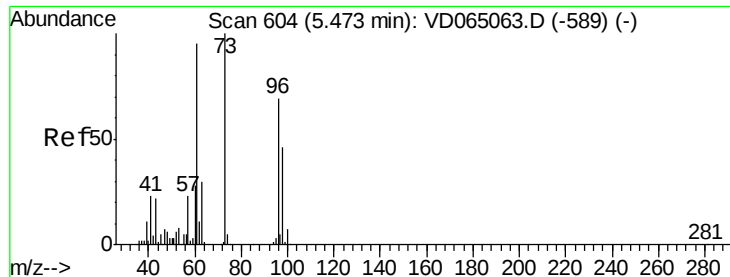
Tot Ion: 73 Resp: 435873
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 57.273 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 84 Resp: 221804
Ion Ratio Lower Upper
84 100
49 121.1 100.4 150.6
51 39.1 32.7 49.1
86 64.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.664 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

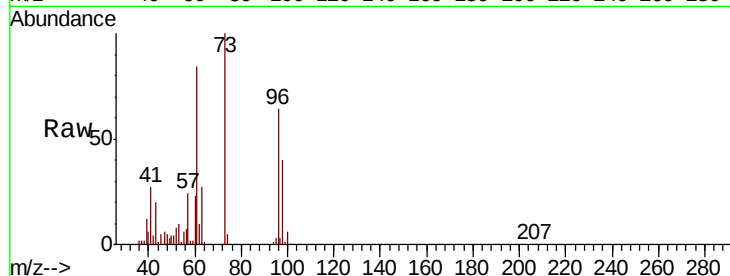
Tot Ion: 96 Resp: 215722

Ion Ratio Lower Upper

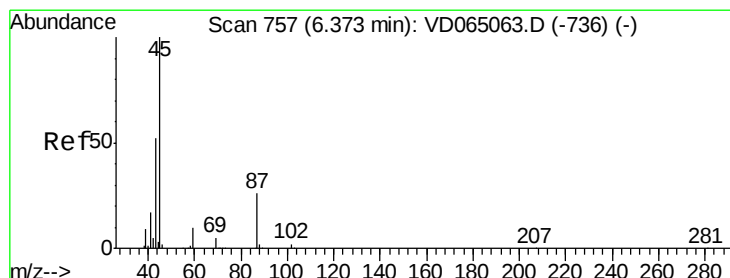
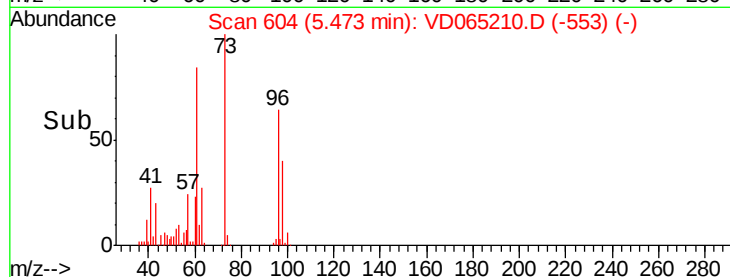
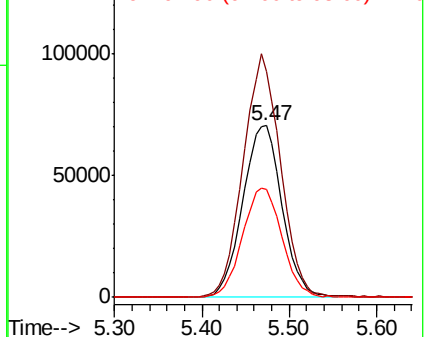
96 100

61 131.7 109.5 164.3

98 62.6 53.7 80.5



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: 56.024 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion: 45 Resp: 648174

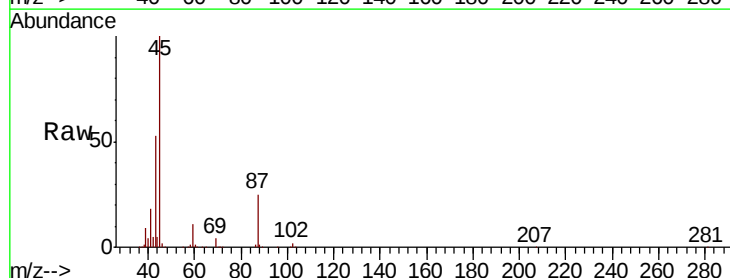
Ion Ratio Lower Upper

45 100

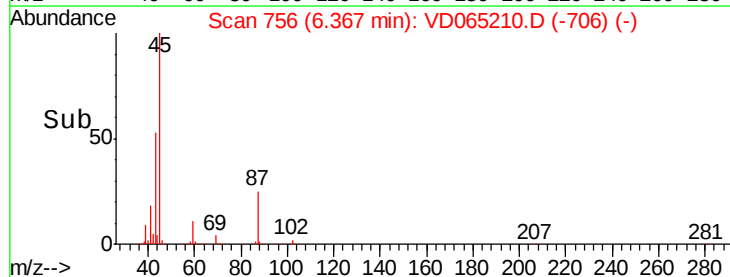
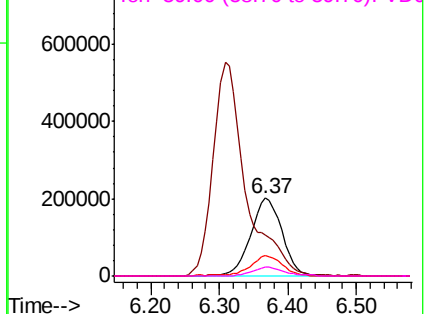
43 52.0 41.3 61.9

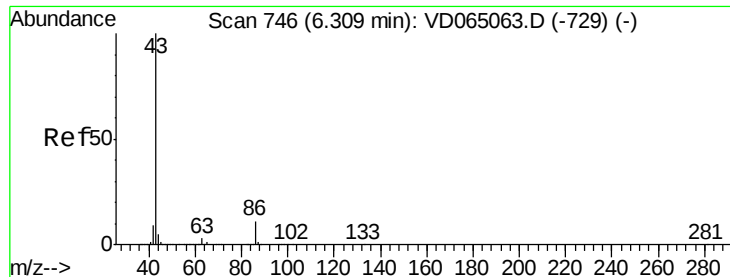
87 25.3 21.0 31.6

59 11.2 8.2 12.4



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: 284.662 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

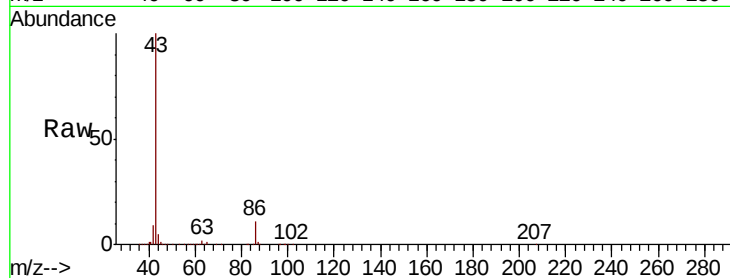
VSTDCCC050EC

Tot Ion: 43 Resp: 1835702

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

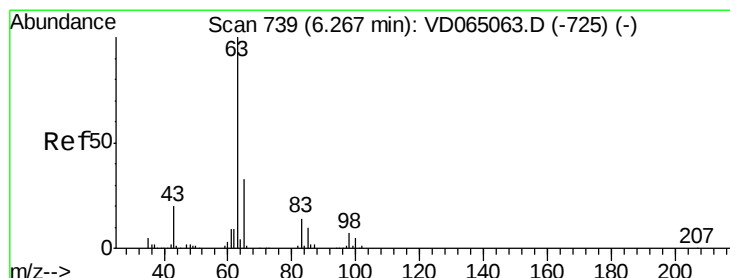
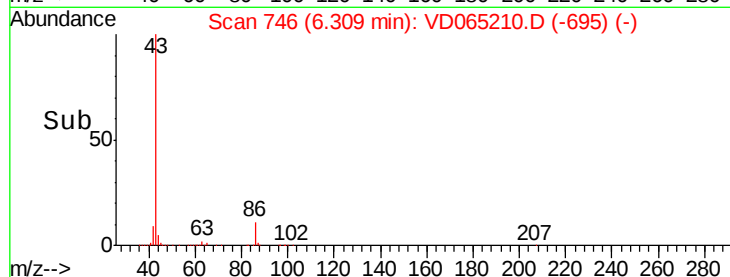
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.956 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

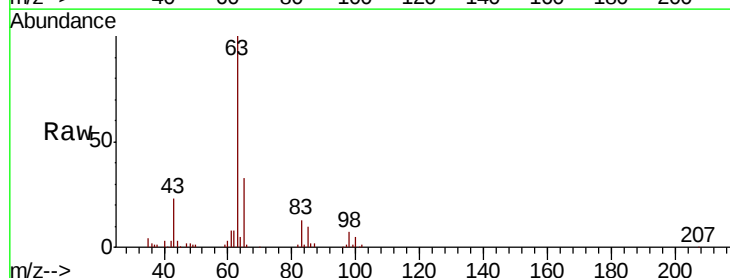
Tgt Ion: 63 Resp: 370847

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.8 2.5 7.6



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

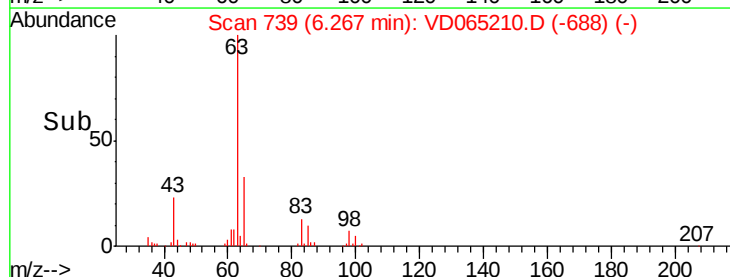
150000

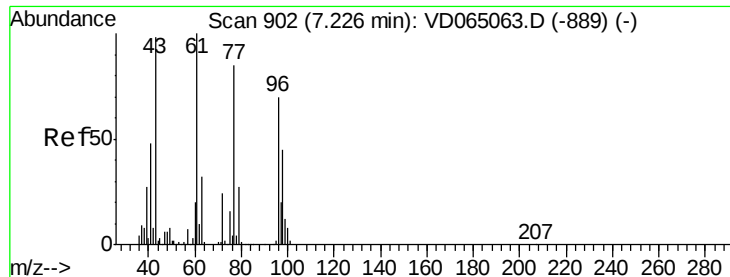
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 274.751 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

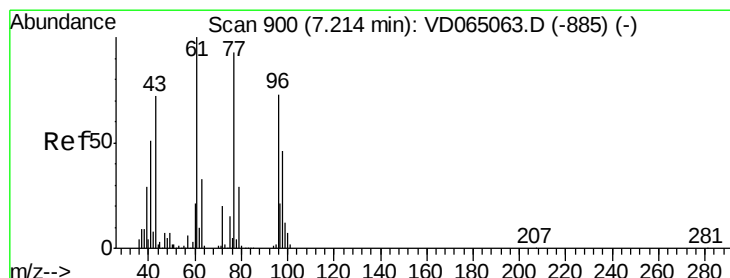
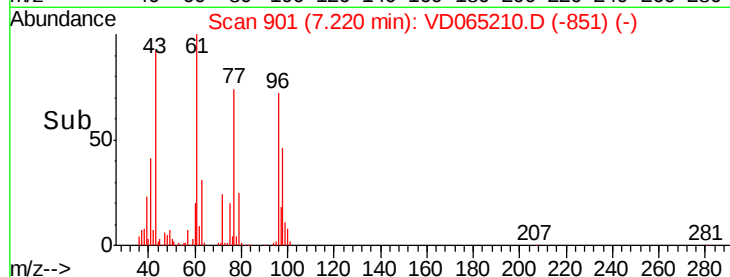
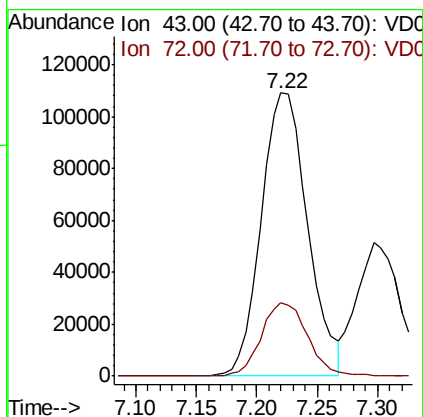
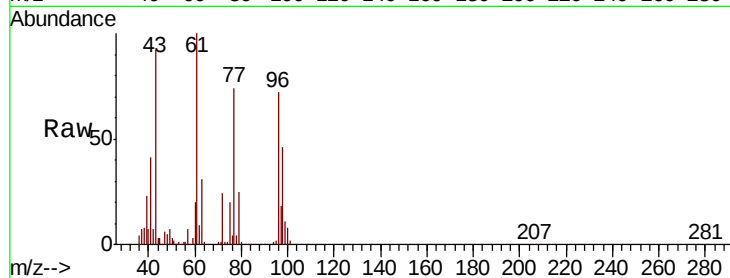
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 291170

Ion Ratio Lower Upper

43 100

72 26.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 47.623 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065210.D

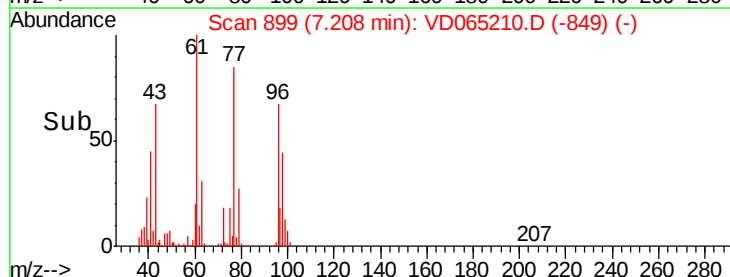
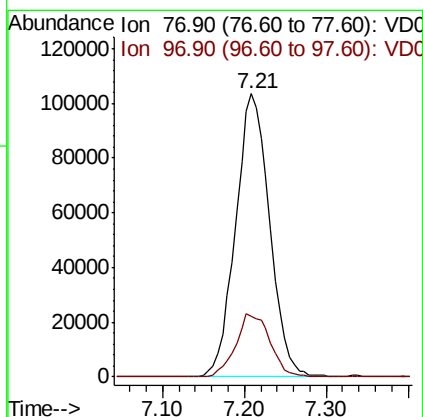
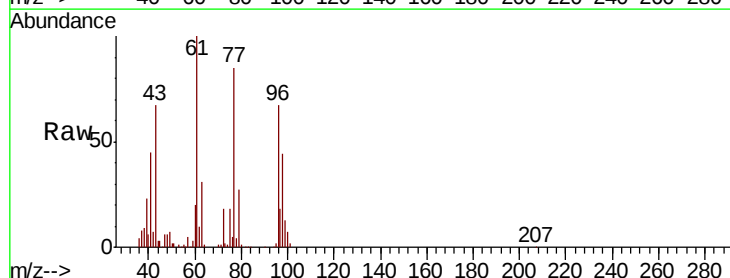
Acq: 17 Feb 2020 21:30

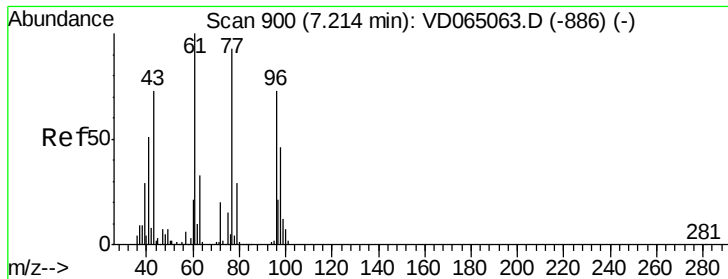
Tgt Ion: 77 Resp: 298927

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.658 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

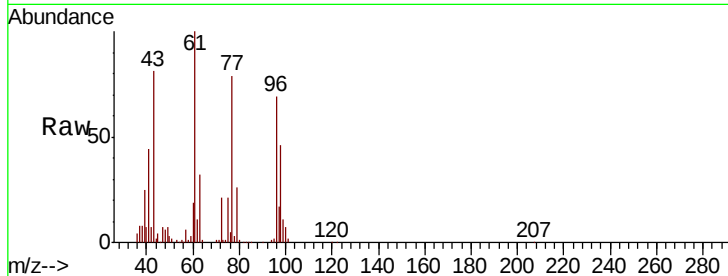
Tot Ion: 96 Resp: 233586

Ion Ratio Lower Upper

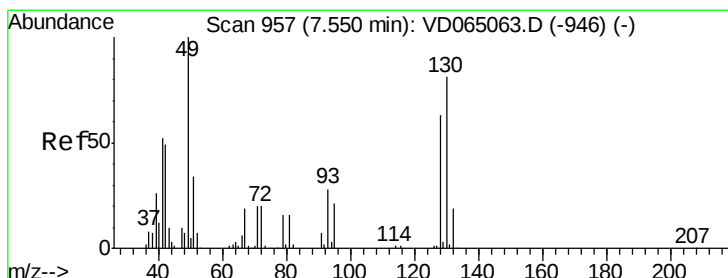
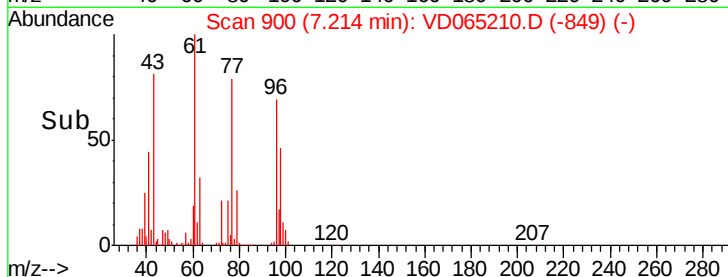
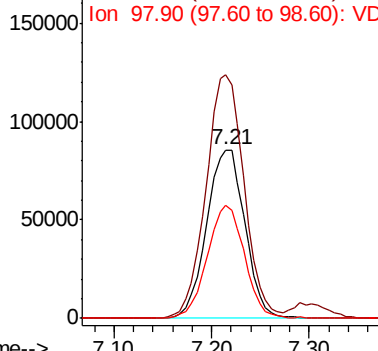
96 100

61 143.8 0.0 292.8

98 65.2 0.0 128.8



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: 61.319 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

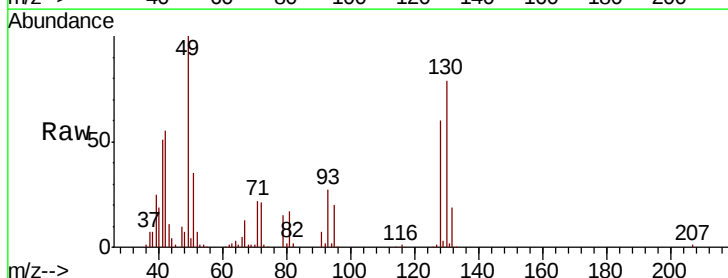
Tgt Ion: 49 Resp: 162780

Ion Ratio Lower Upper

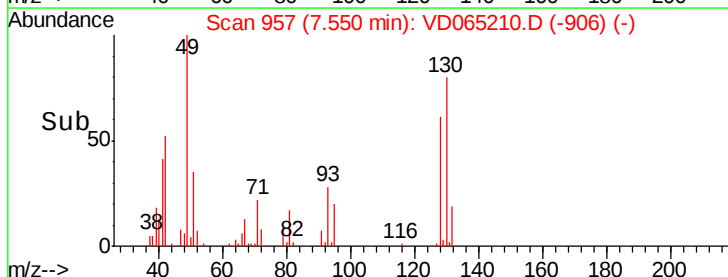
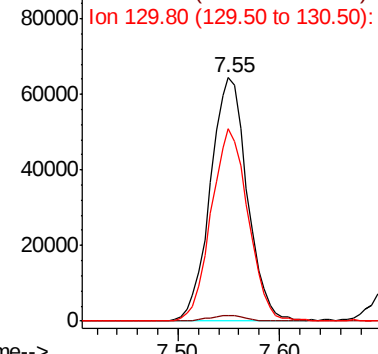
49 100

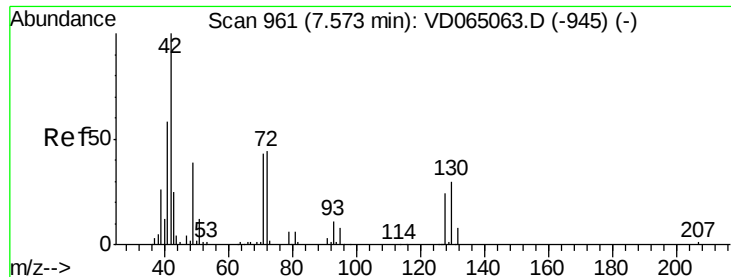
129 2.3 0.0 4.4

130 79.1 63.8 95.8



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

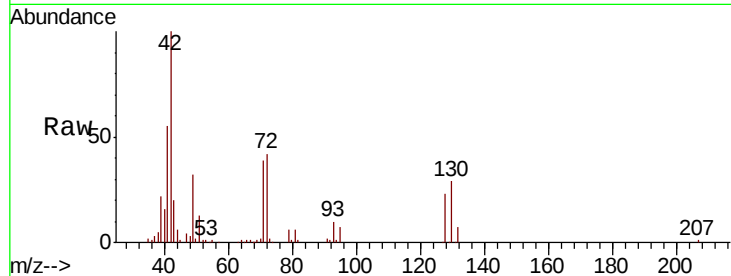




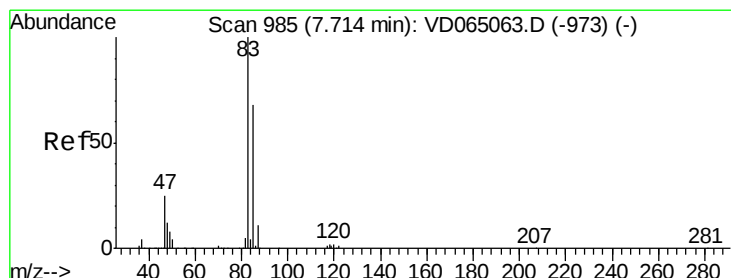
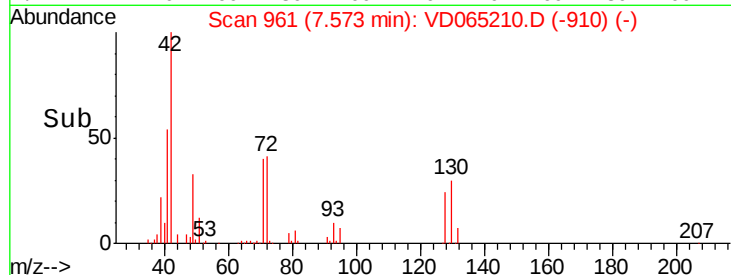
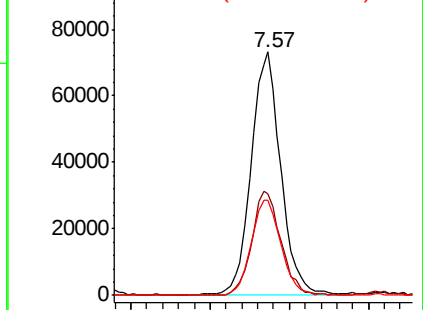
#29
Tetrahydrofuran
Concen: 297.755 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 190824
Ion Ratio Lower Upper
42 100
72 41.8 34.2 51.4
71 39.5 31.8 47.6

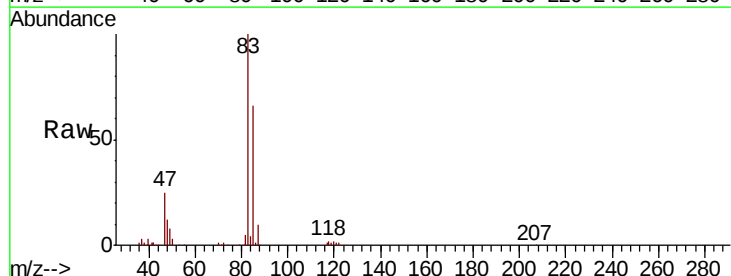


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

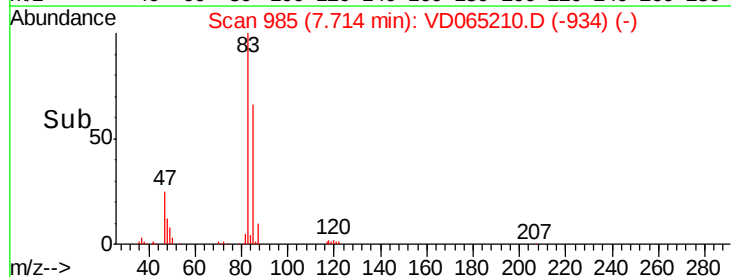
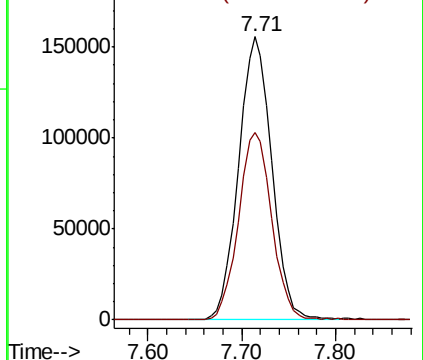


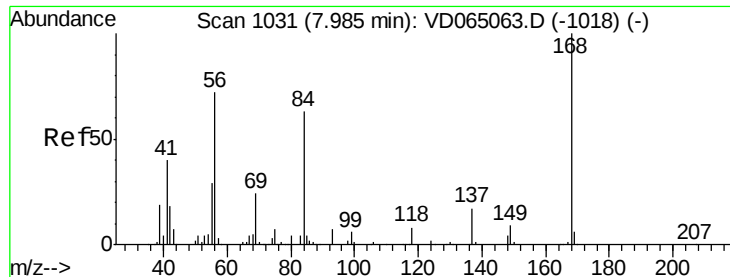
#30
Chloroform
Concen: 54.508 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 83 Resp: 380078
Ion Ratio Lower Upper
83 100
85 66.0 54.2 81.4



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

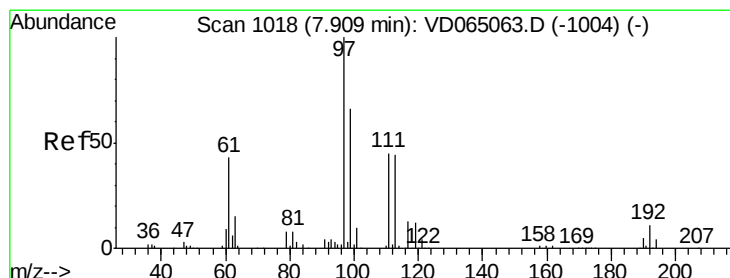
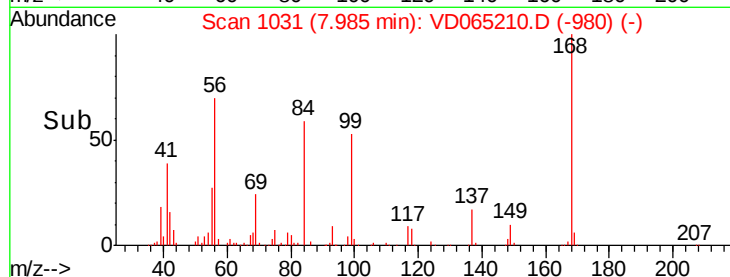
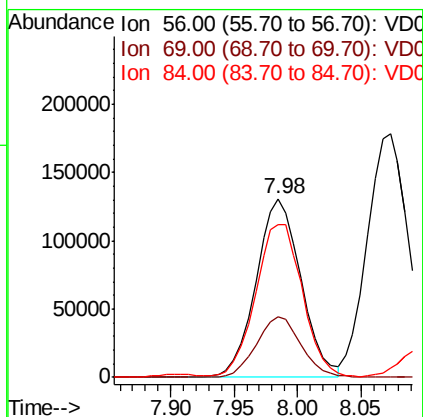
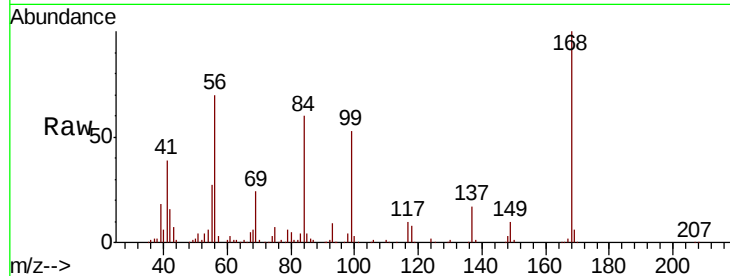




#31
Cyclohexane
Concen: 45.646 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

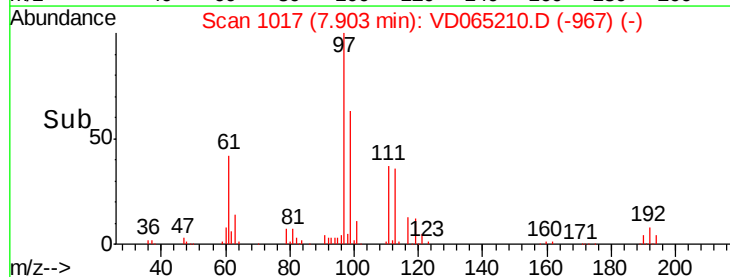
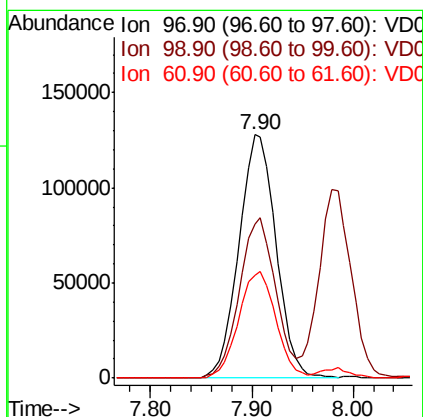
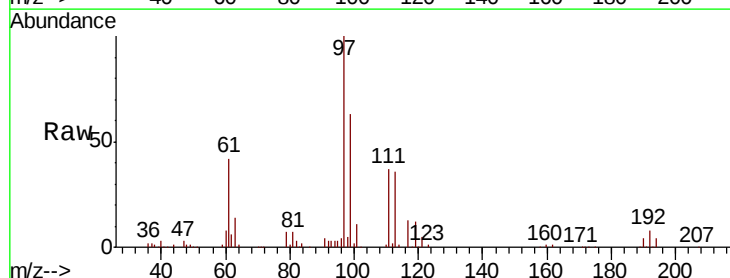
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

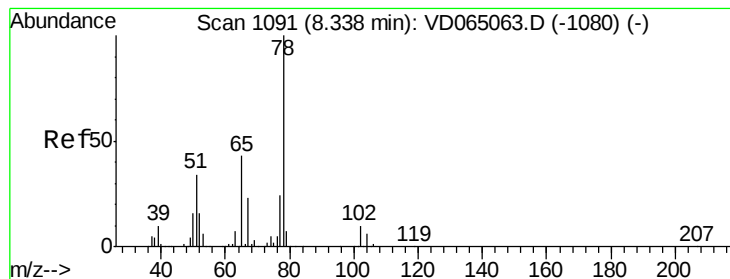
Tot Ion: 56 Resp: 322674
Ion Ratio Lower Upper
56 100
69 34.3 26.6 40.0
84 84.4 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 50.259 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 97 Resp: 326451
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 43.8 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 57.156 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

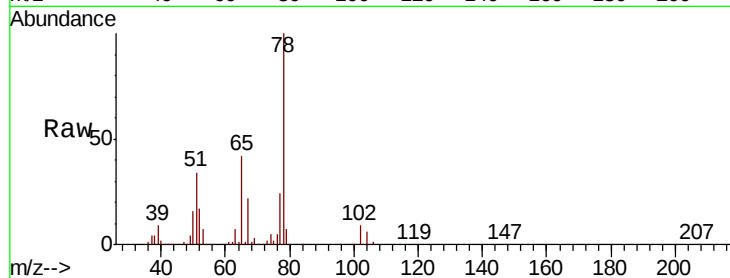
VSTDCCC050EC

Tot Ion: 65 Resp: 203102

Ion Ratio Lower Upper

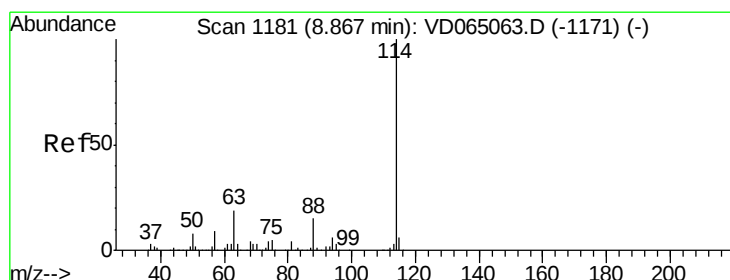
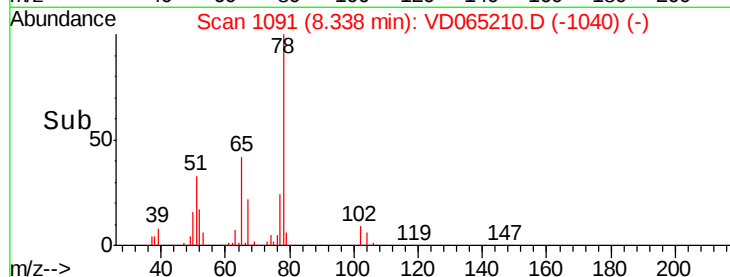
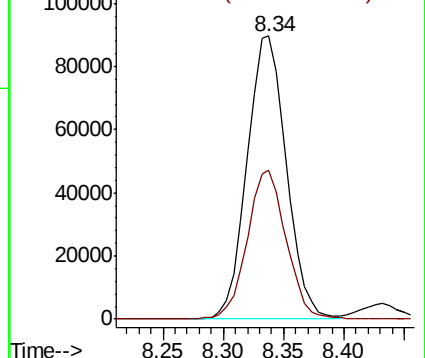
65 100

67 52.3 0.0 105.8



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# 1181

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

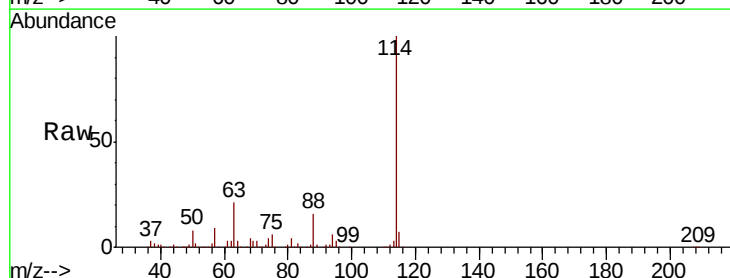
Tgt Ion: 114 Resp: 626294

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.8

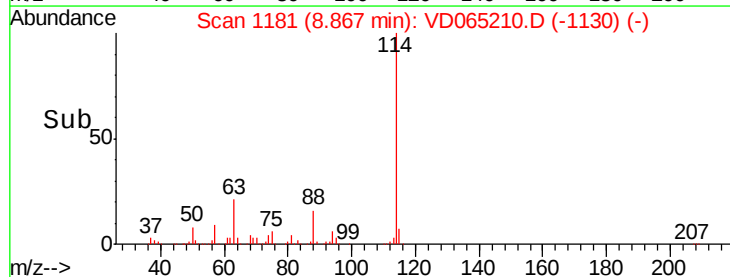
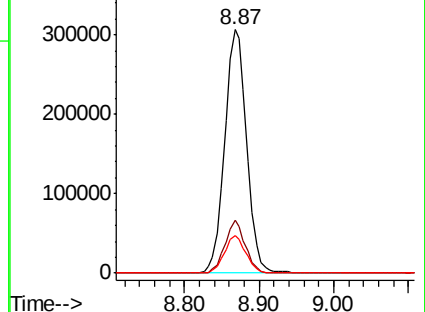
88 15.6 0.0 29.6

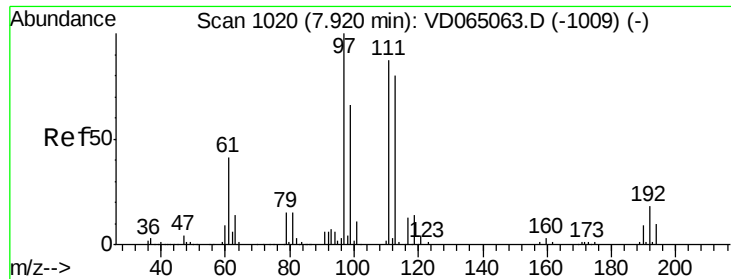


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

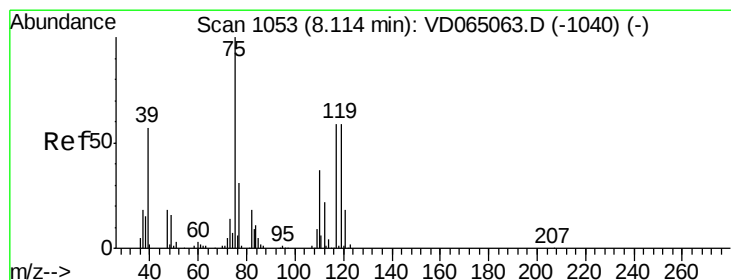
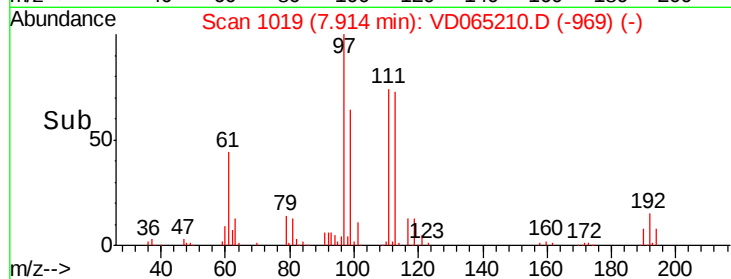
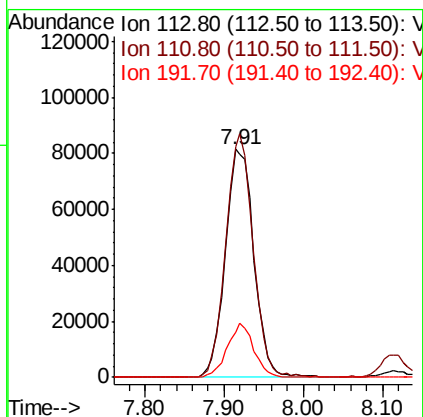
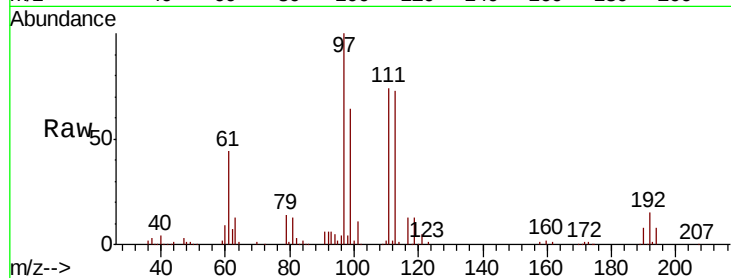




#35
 Dibromofluoromethane
 Concen: 58.050 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

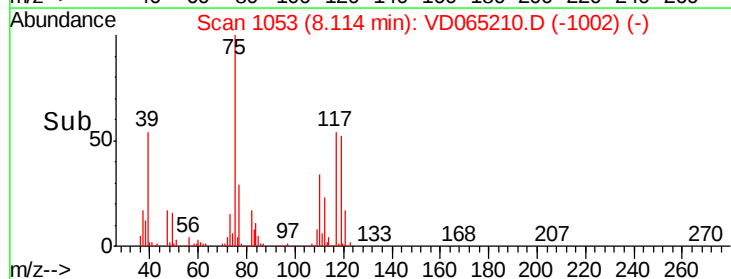
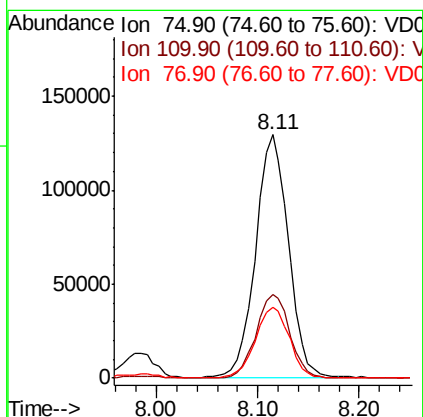
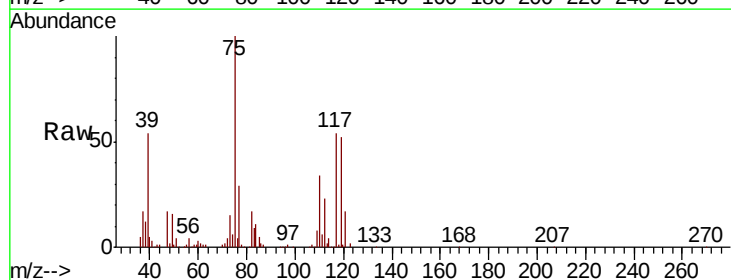
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

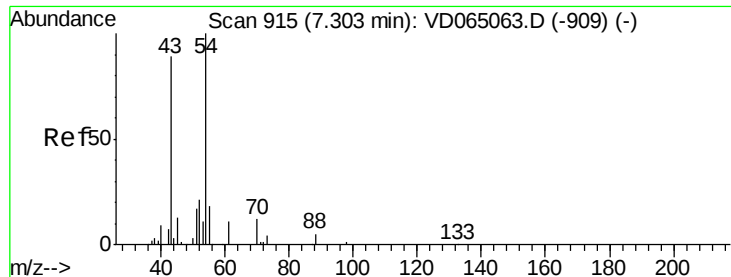
Tot Ion:113 Resp: 202846
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.1 124.7
 192 21.8 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 49.823 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion: 75 Resp: 290152
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.1 54.3
 77 30.7 24.7 37.1

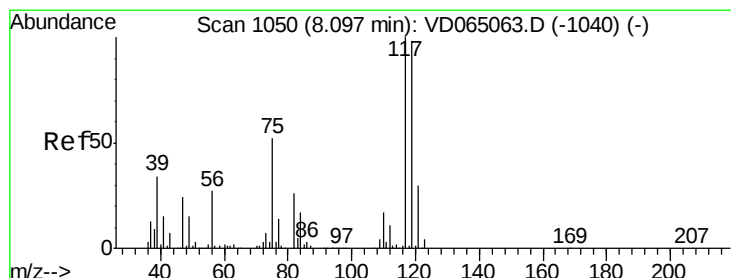
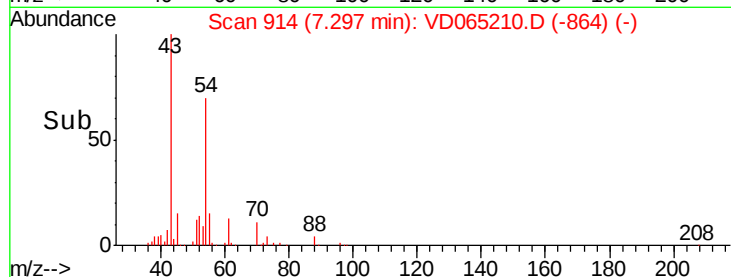
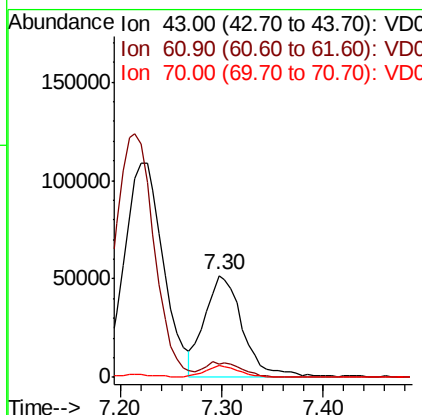
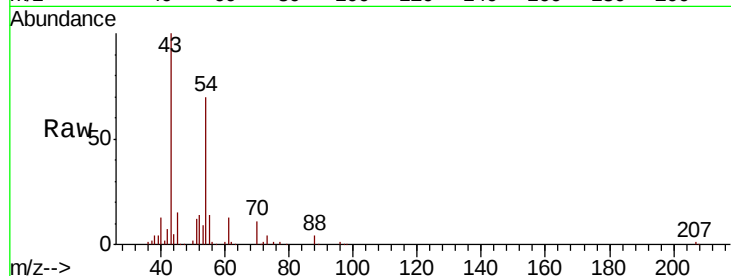




#37
Ethyl Acetate
Concen: 55.686 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

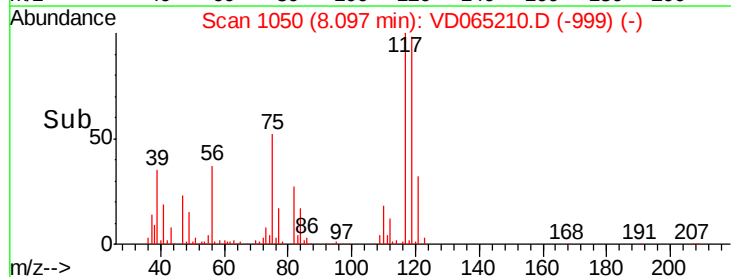
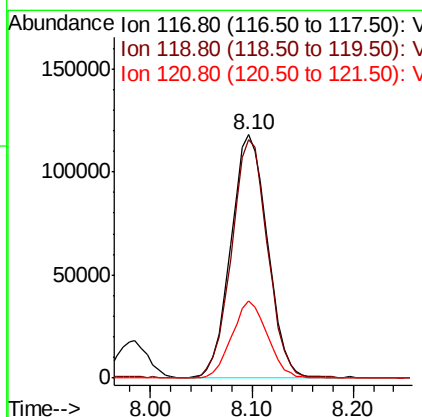
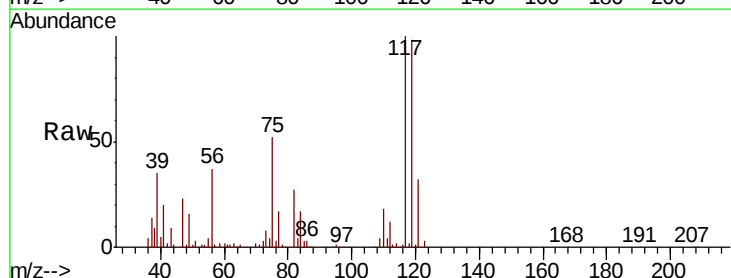
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

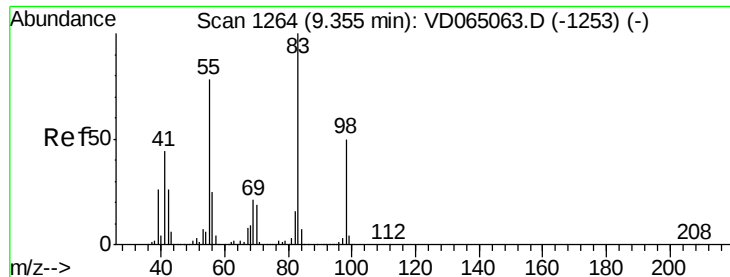
Tot Ion: 43 Resp: 132485
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 49.513 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 117 Resp: 294494
Ion Ratio Lower Upper
117 100
119 97.9 78.5 117.7
121 32.0 23.8 35.6

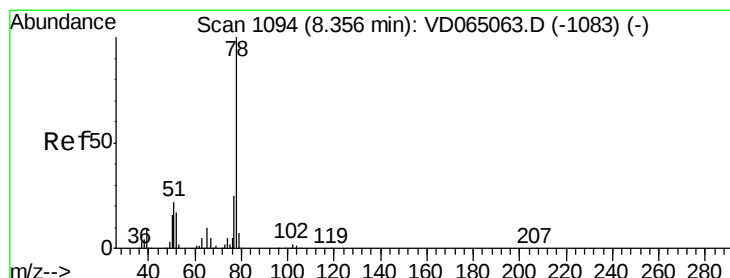
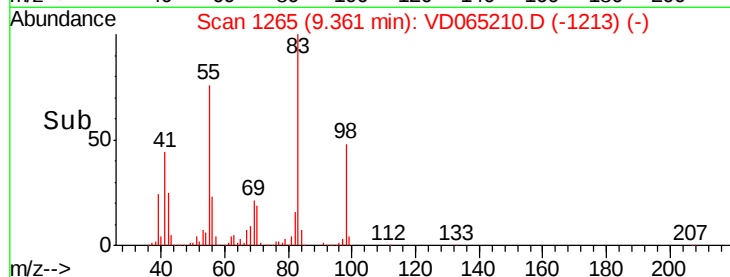
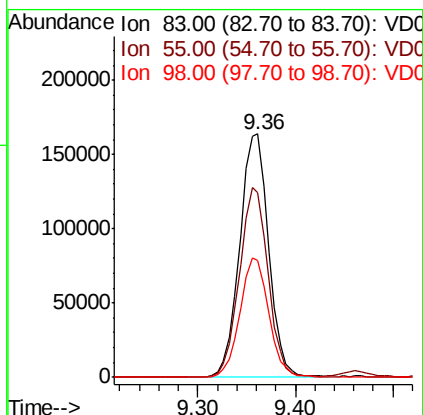
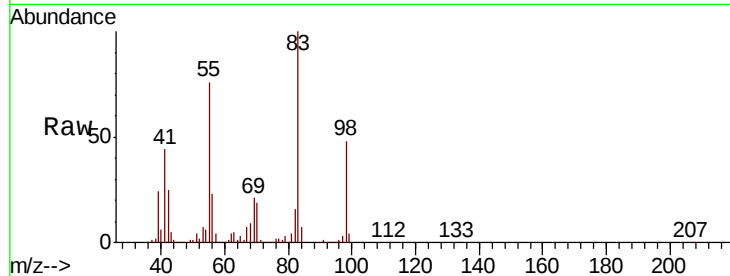




#39
Methvlcvclohexane
Concen: 47.335 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

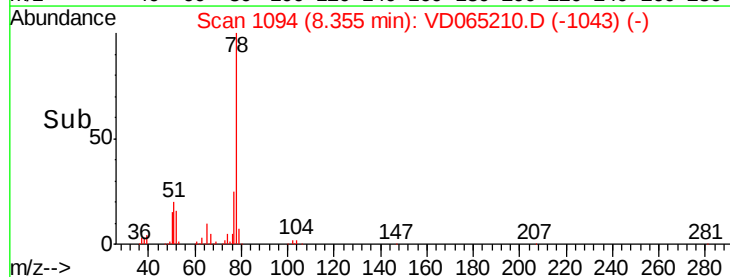
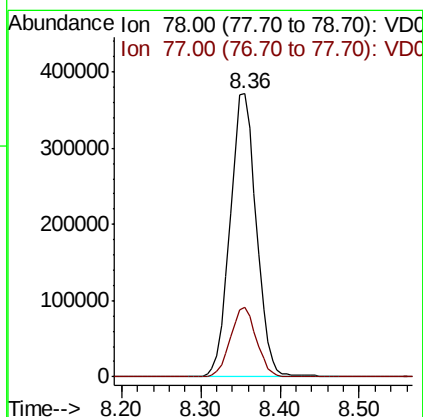
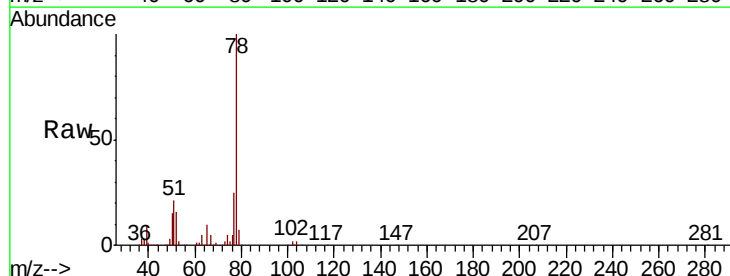
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

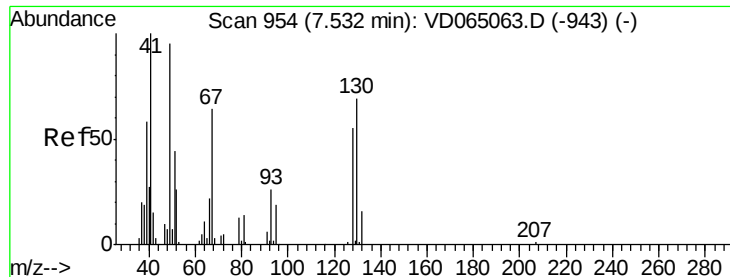
Tot Ion: 83 Resp: 340256
Ion Ratio Lower Upper
83 100
55 76.1 62.0 93.0
98 48.2 39.9 59.9



#40
Benzene
Concen: 53.020 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 78 Resp: 852648
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4





#41

Methacrylonitrile

Concen: 57.748 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 75691

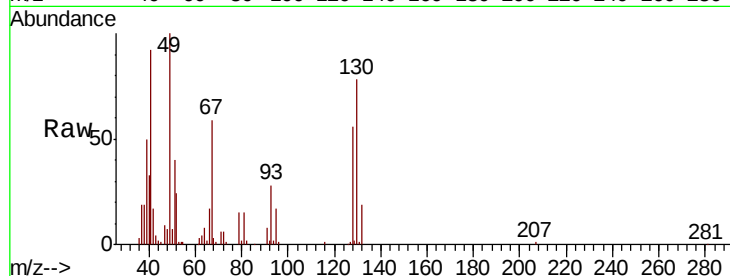
Ion Ratio Lower Upper

41 100

39 53.7 55.4 83.0#

67 72.2 59.0 88.6

52 30.4 25.4 38.0

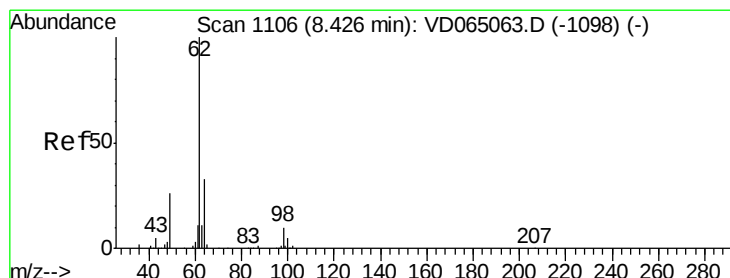
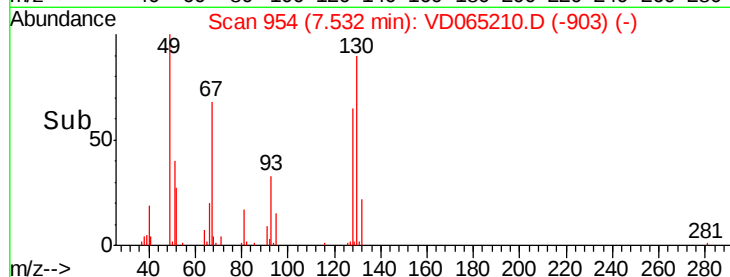
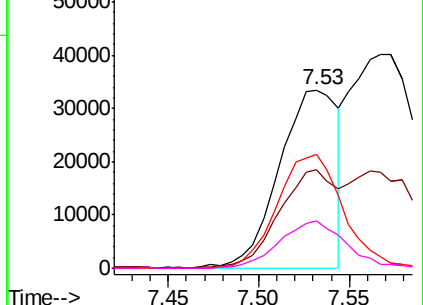


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 53.060 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065210.D

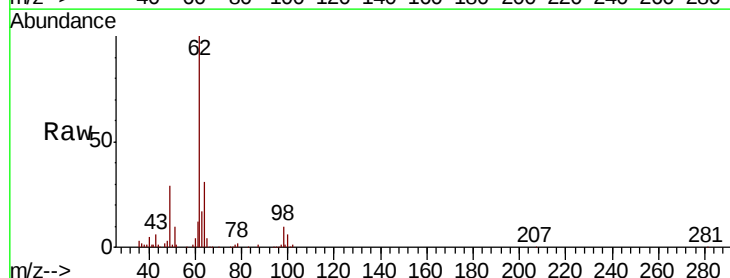
Acq: 17 Feb 2020 21:30

Tgt Ion: 62 Resp: 243136

Ion Ratio Lower Upper

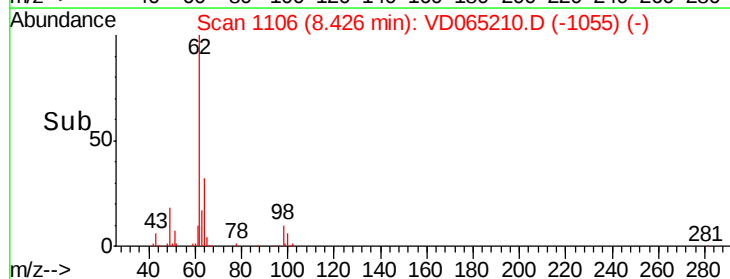
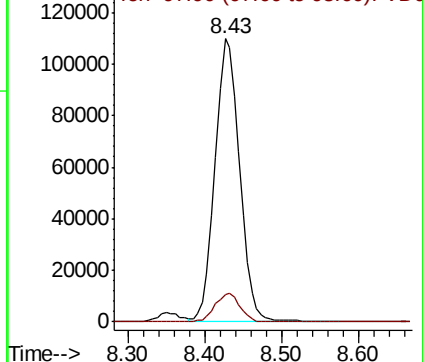
62 100

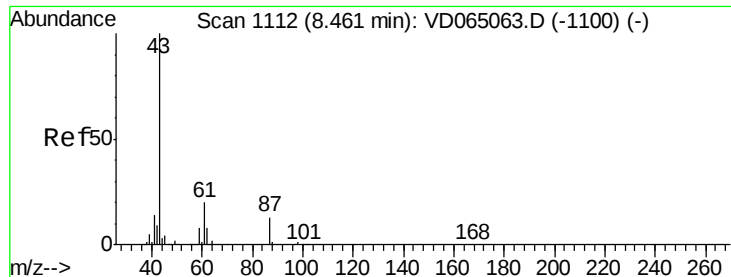
98 10.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.993 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

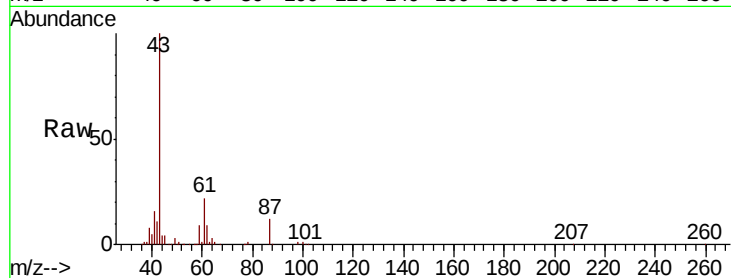
Tot Ion: 43 Resp: 245731

Ion Ratio Lower Upper

43 100

61 31.3 24.0 36.0

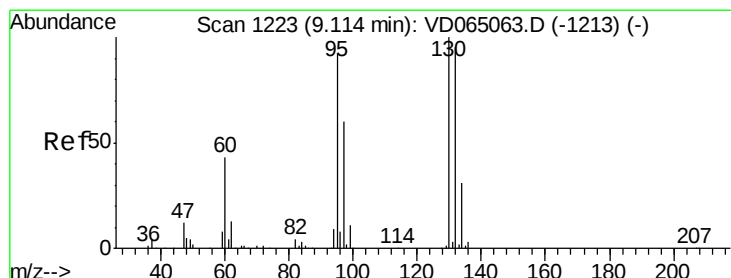
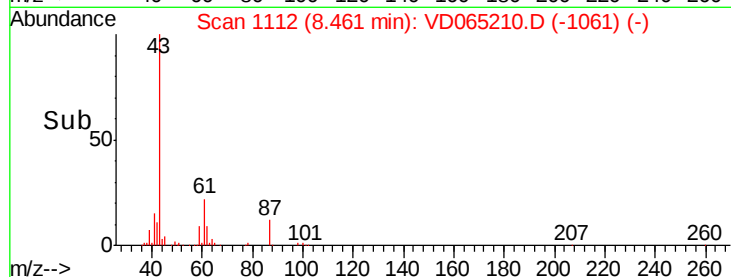
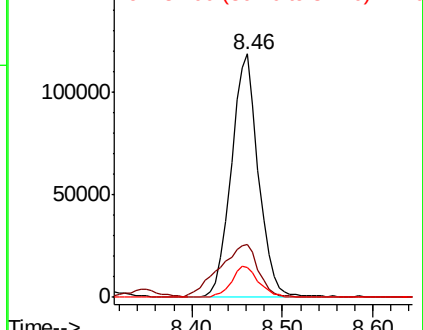
87 12.8 10.2 15.4



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: 49.313 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065210.D

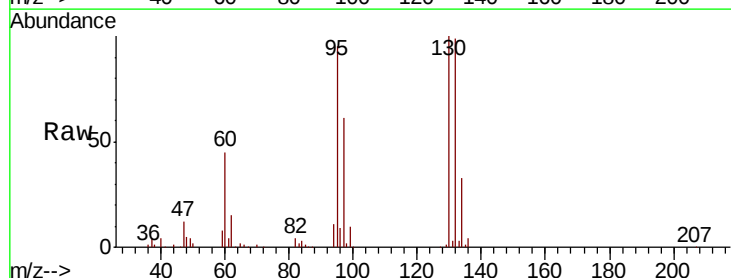
Acq: 17 Feb 2020 21:30

Tgt Ion: 130 Resp: 227631

Ion Ratio Lower Upper

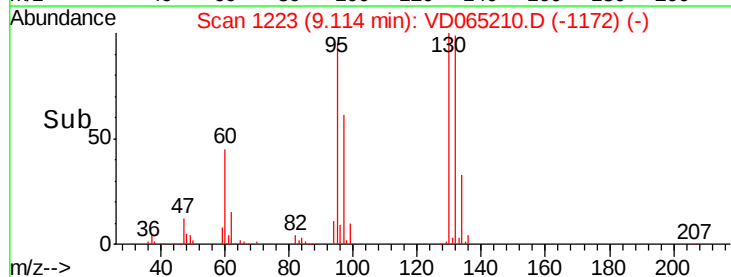
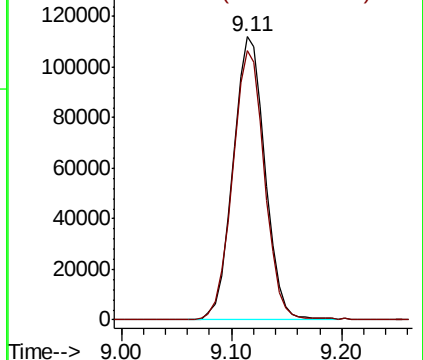
130 100

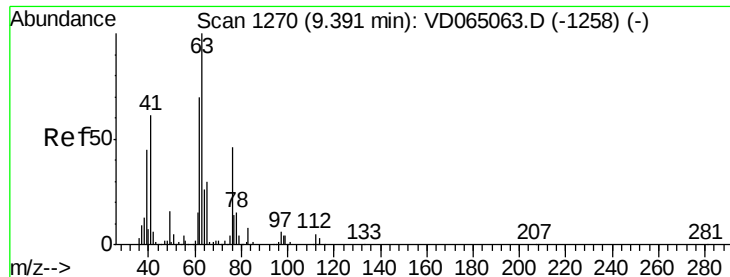
95 95.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.159 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

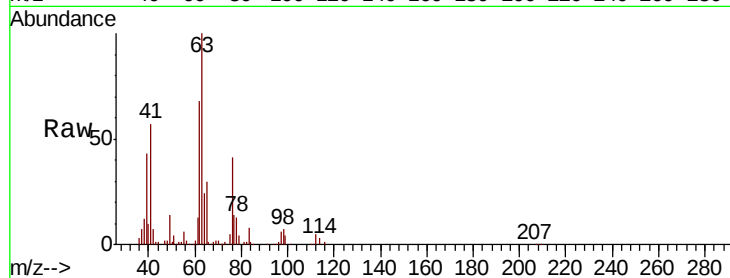
VSTDCCC050EC

Tot Ion: 63 Resp: 220392

Ion Ratio Lower Upper

63 100

65 30.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

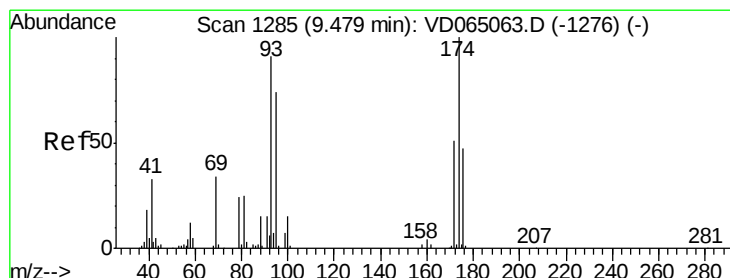
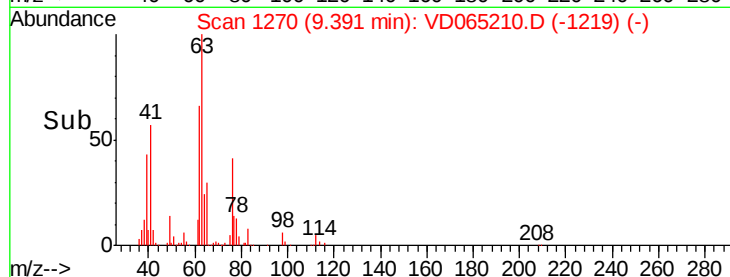
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 56.227 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

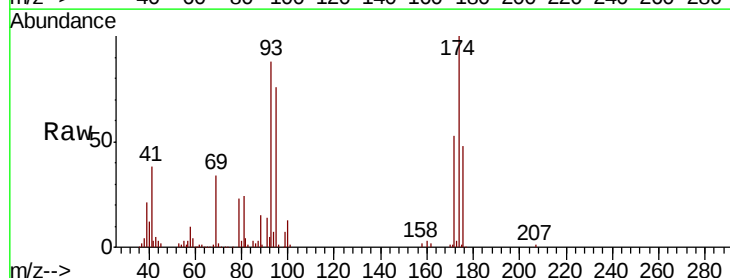
Tgt Ion: 93 Resp: 113922

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 109.0 89.8 134.8



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

80000

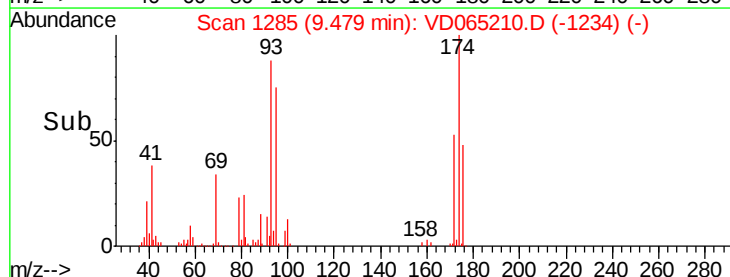
60000

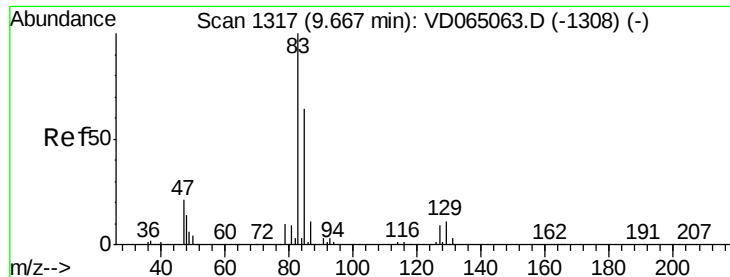
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

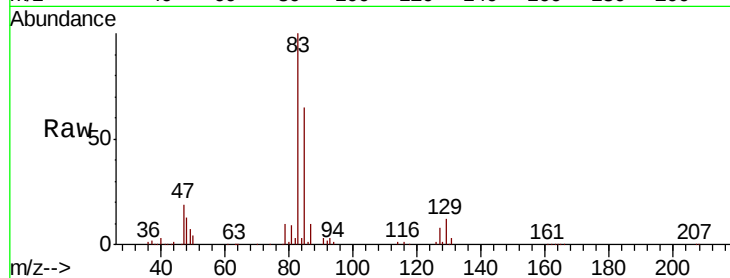
Tot Ion: 83 Resp: 296373

Ion Ratio Lower Upper

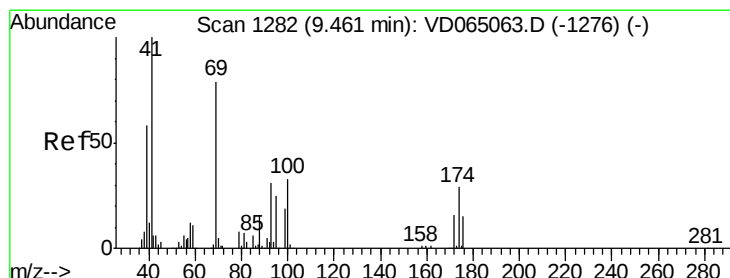
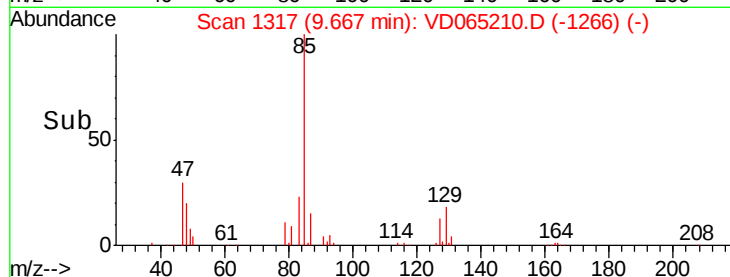
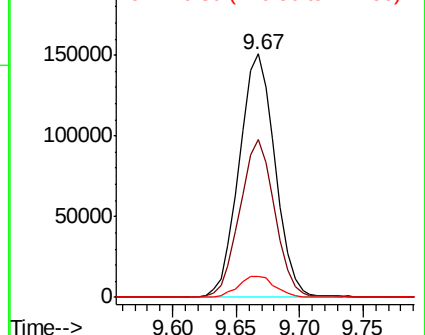
83 100

85 64.7 51.0 76.6

127 8.4 7.3 10.9



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): VDC



#48

Methyl methacrylate

Concen: 54.988 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

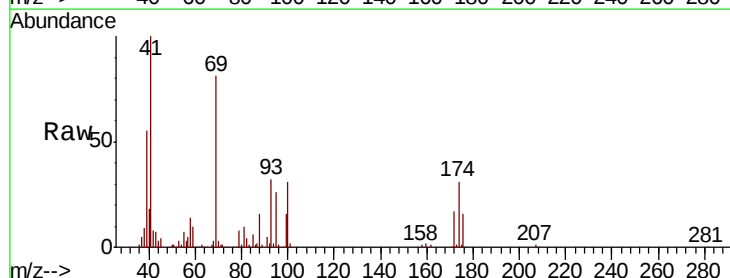
Tgt Ion: 41 Resp: 120425

Ion Ratio Lower Upper

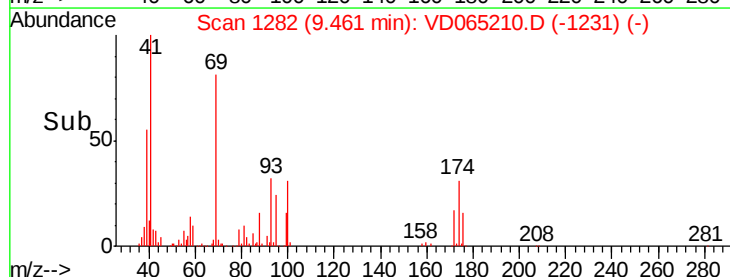
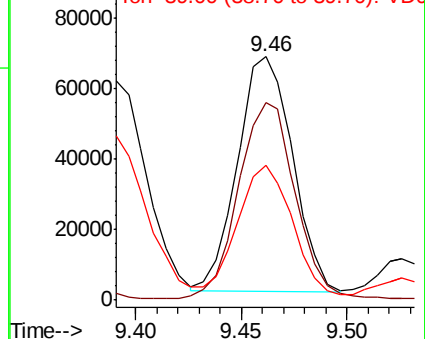
41 100

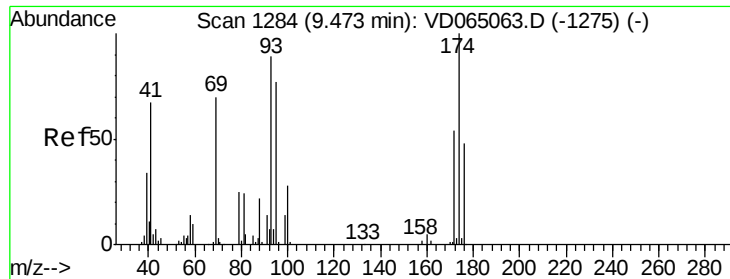
69 87.6 67.5 101.3

39 54.2 47.0 70.4



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

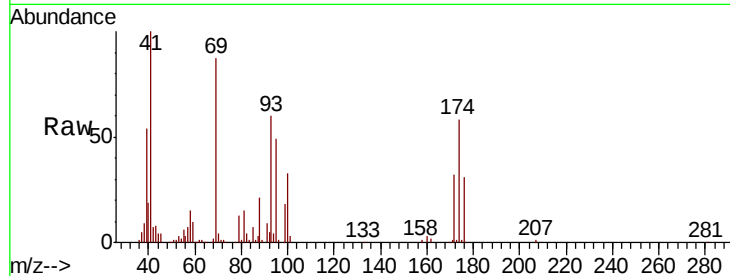




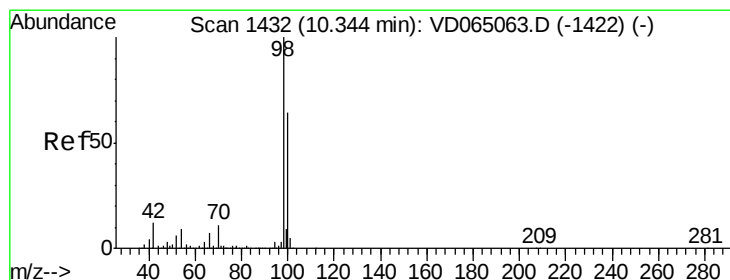
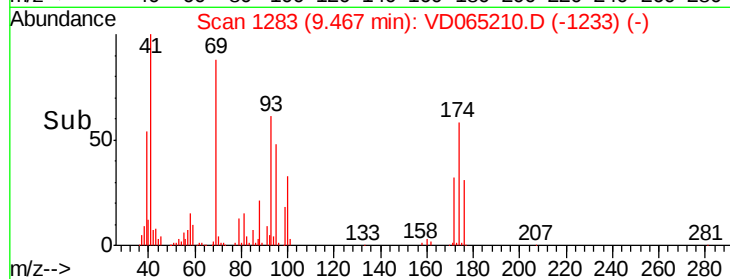
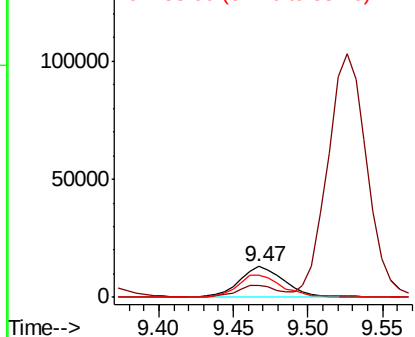
#49
1,4-Dioxane
Concen: 1134.395 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 27223
Ion Ratio Lower Upper
88 100
43 34.1 27.7 41.5
58 72.2 55.5 83.3

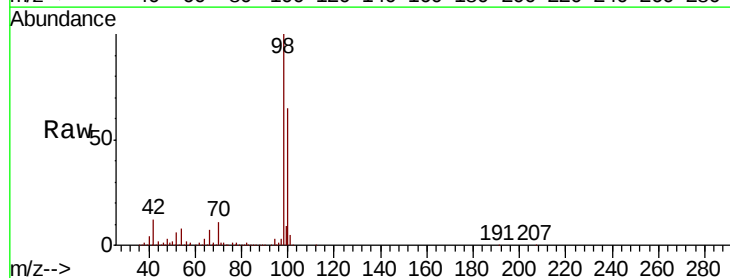


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

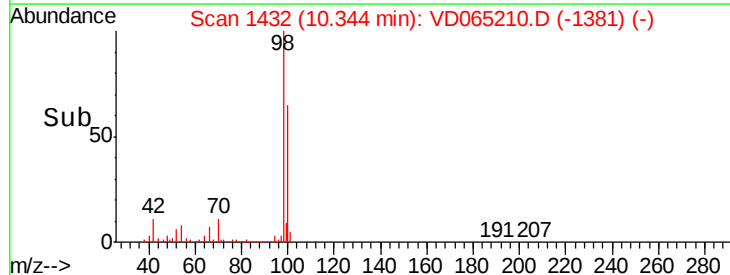
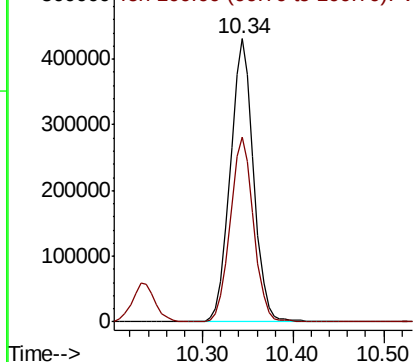


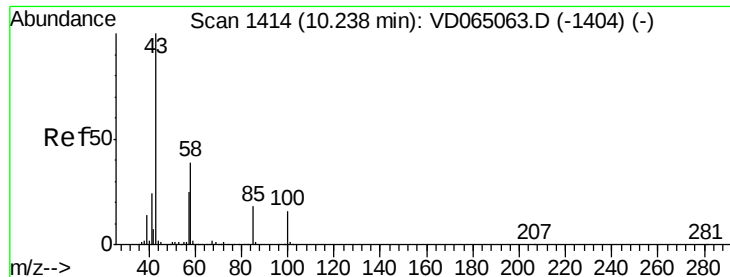
#50
Toluene-d8
Concen: 55.184 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 98 Resp: 767519
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



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

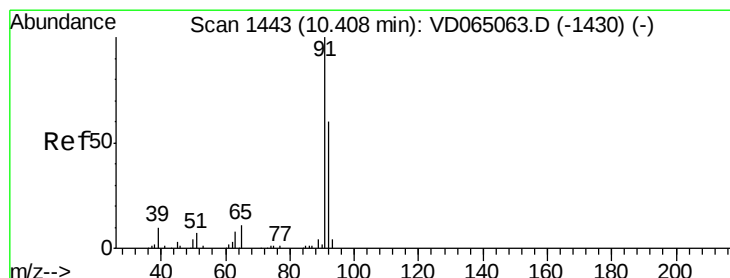
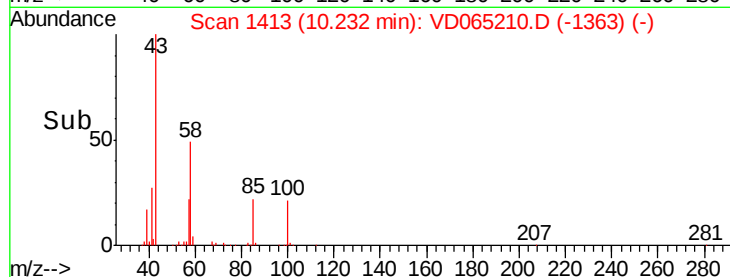
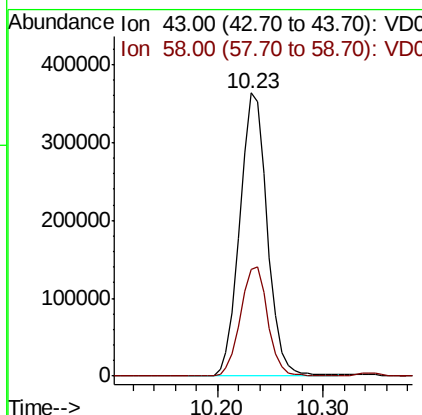
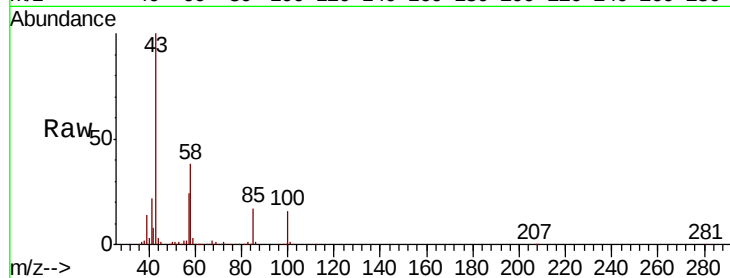




#51
4-Methyl-2-Pentanone
Concen: 292.778 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

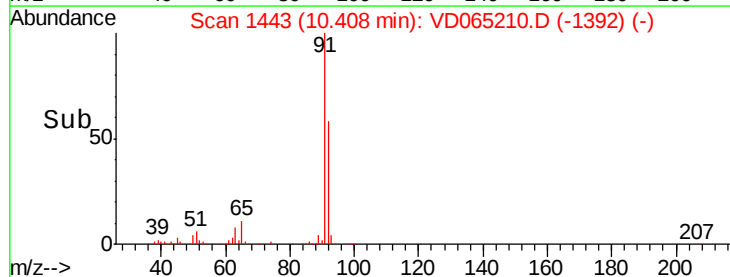
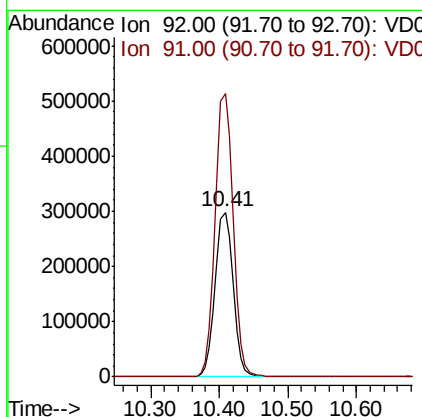
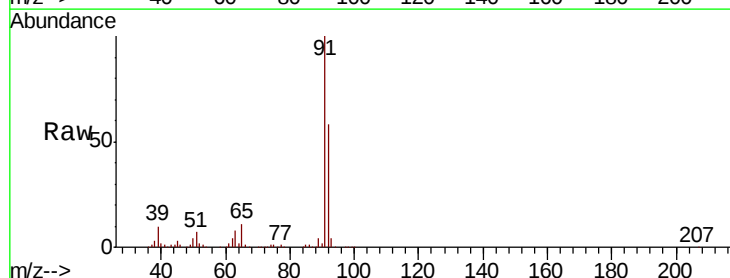
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

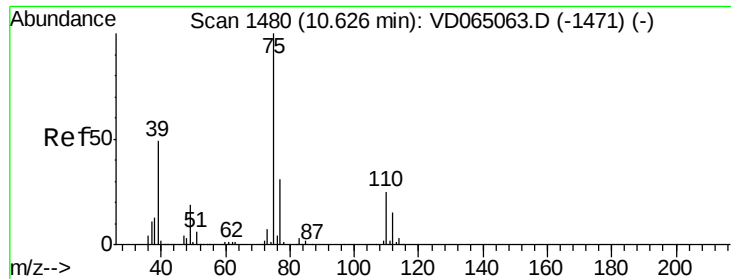
Tot Ion: 43 Resp: 655864
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.2



#52
Toluene
Concen: 53.258 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 92 Resp: 546643
Ion Ratio Lower Upper
92 100
91 171.7 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 53.744 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

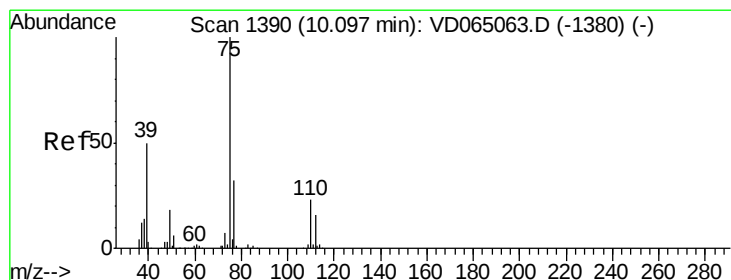
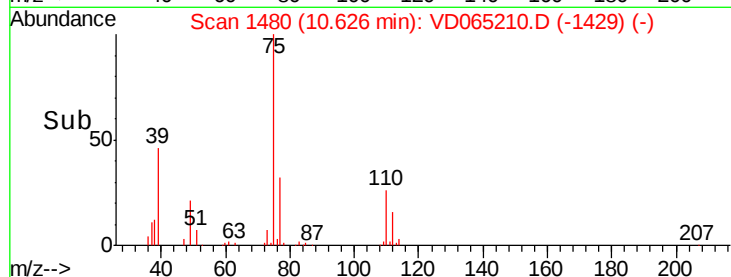
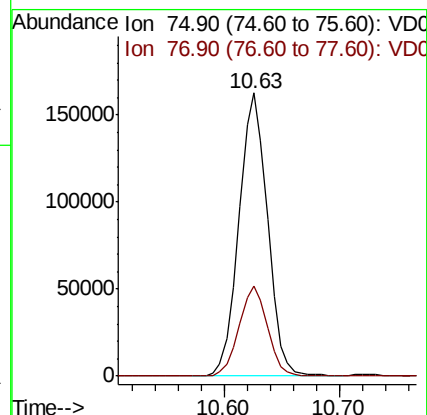
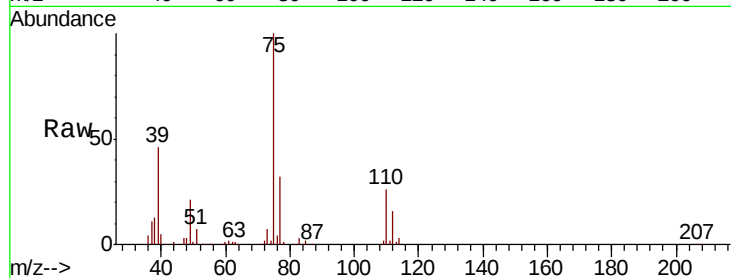
VSTDCCC050EC

Tot Ion: 75 Resp: 279353

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.546 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

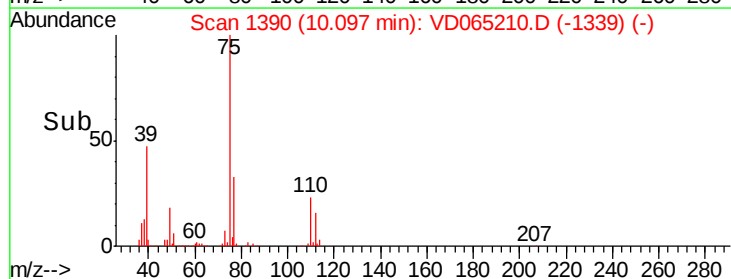
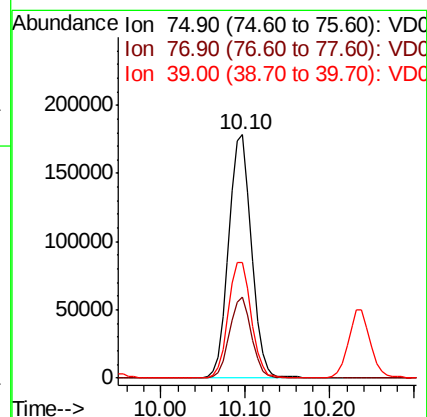
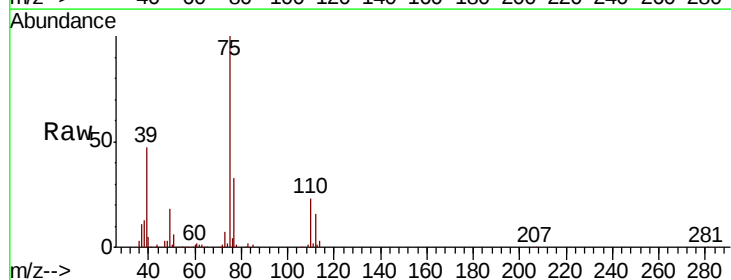
Tgt Ion: 75 Resp: 332877

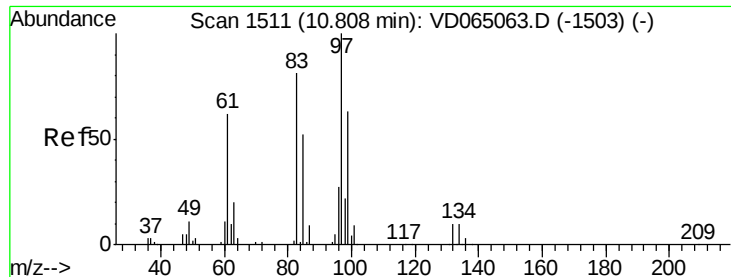
Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9

39 47.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 58.039 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 161295

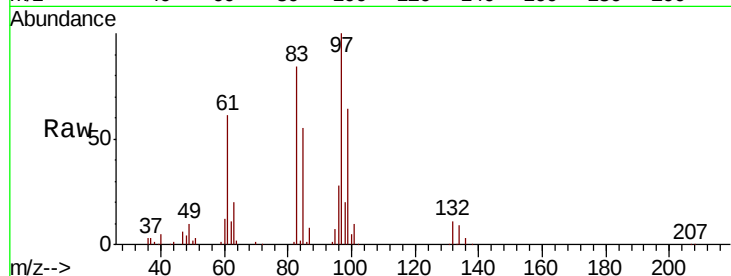
Ion Ratio Lower Upper

97 100

83 84.1 64.8 97.2

85 54.8 41.2 61.8

99 64.2 50.3 75.5

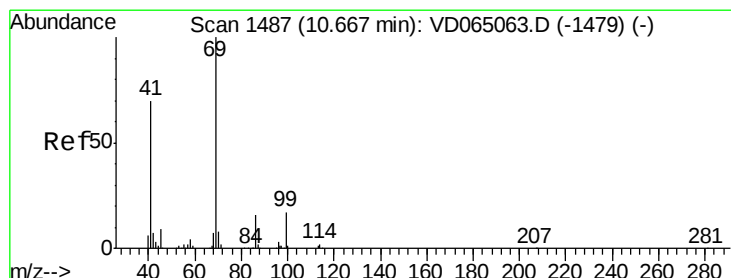
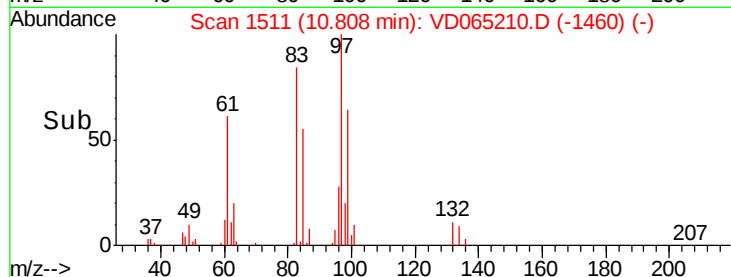
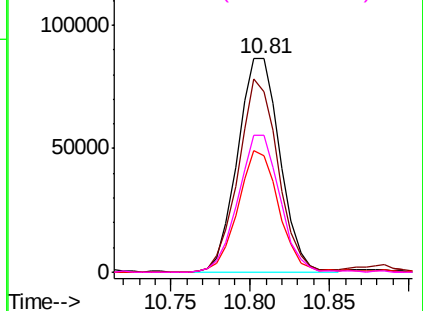


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 56.829 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

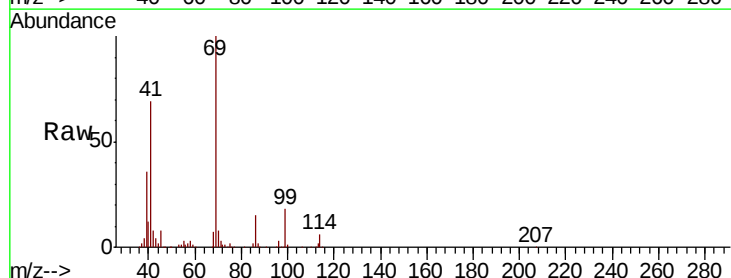
Tgt Ion: 69 Resp: 199829

Ion Ratio Lower Upper

69 100

41 67.4 55.9 83.9

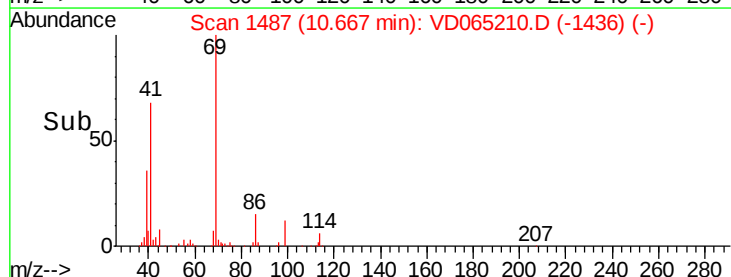
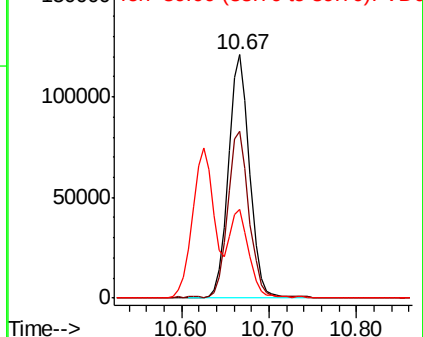
39 33.1 29.4 44.0

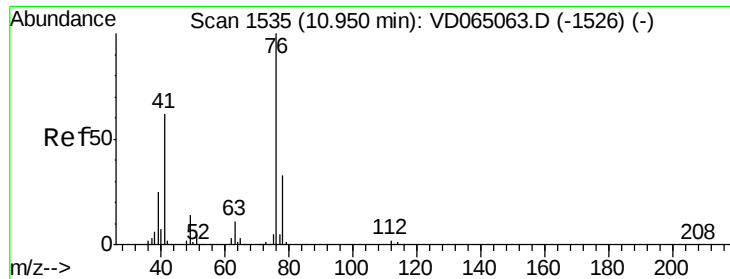


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

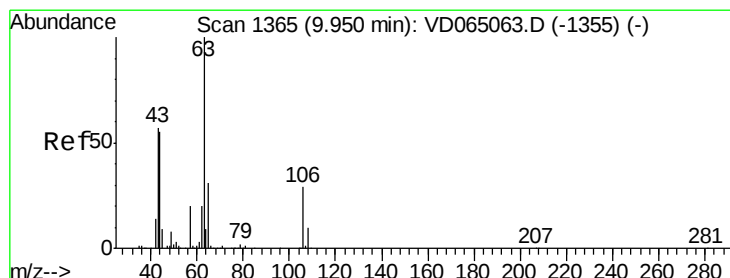
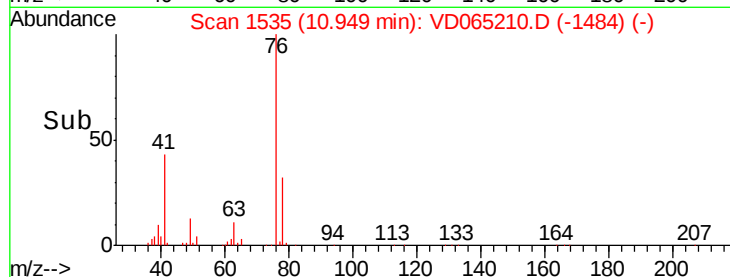
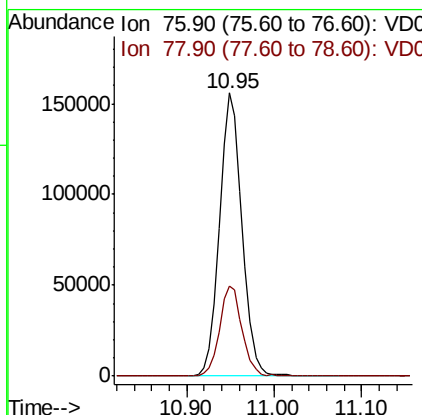
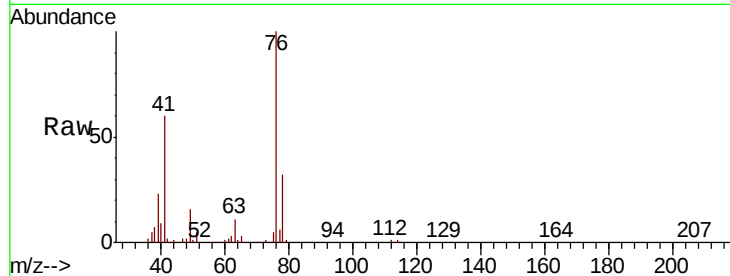




#57
 1,3-Dichloropropane
 Concen: 56.537 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

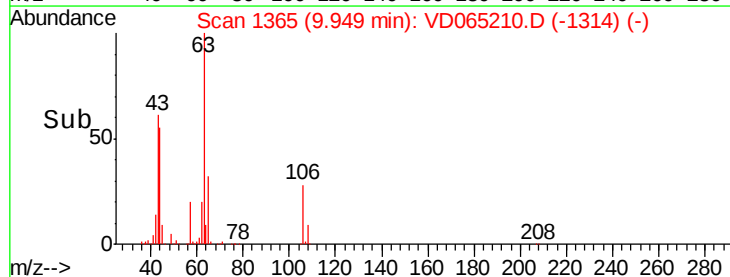
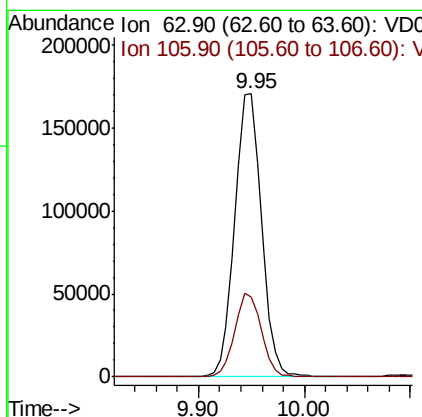
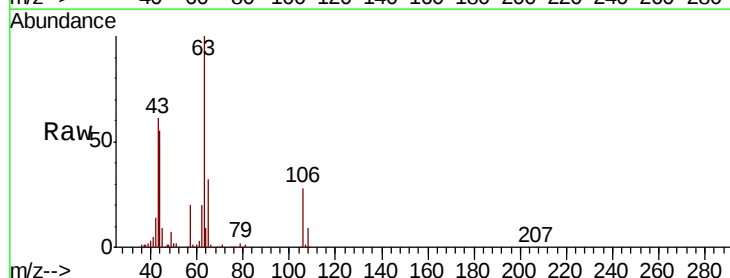
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

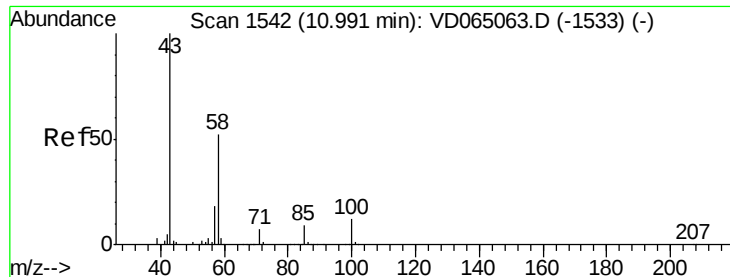
Tot Ion: 76 Resp: 276286
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.388 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion: 63 Resp: 300184
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.3 34.9

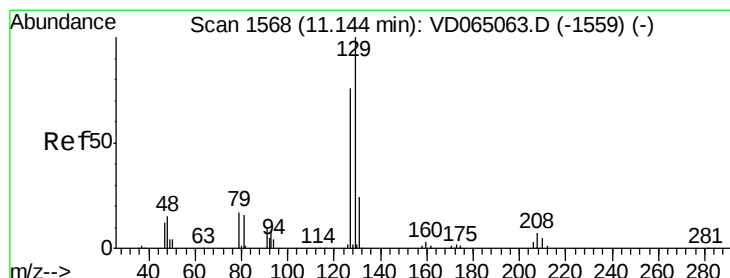
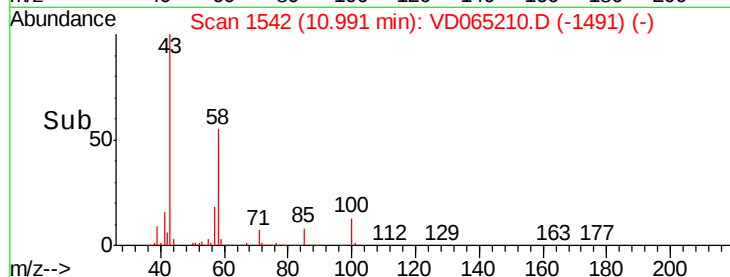
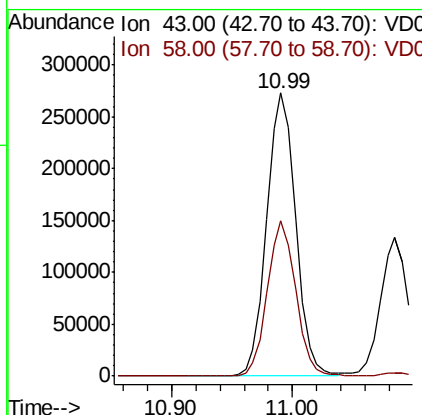
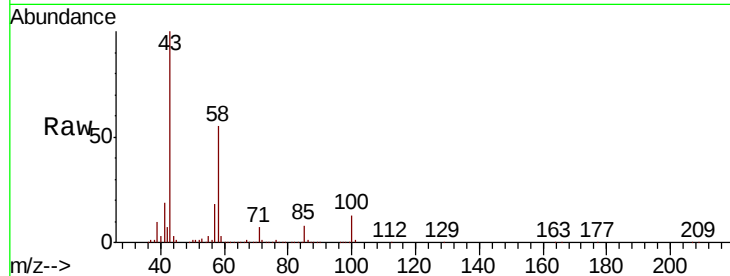




#59
2-Hexanone
Concen: 284.242 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

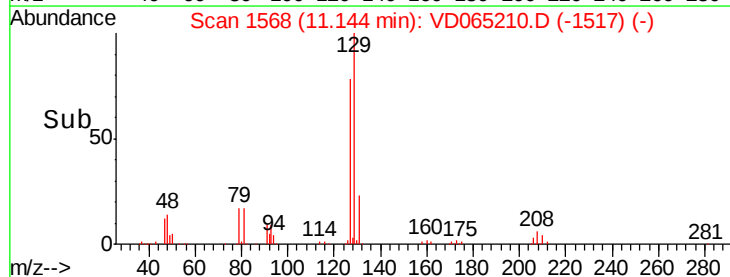
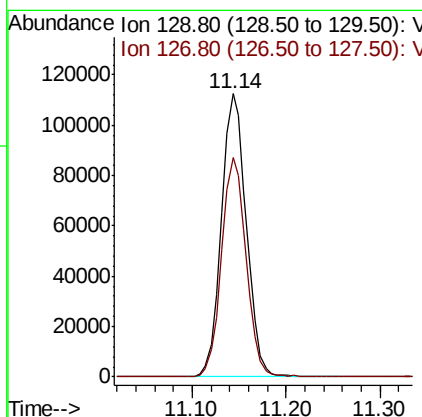
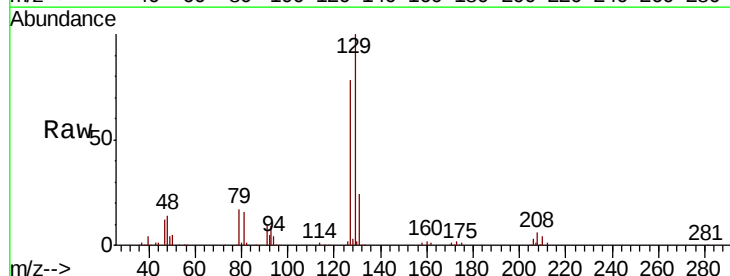
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

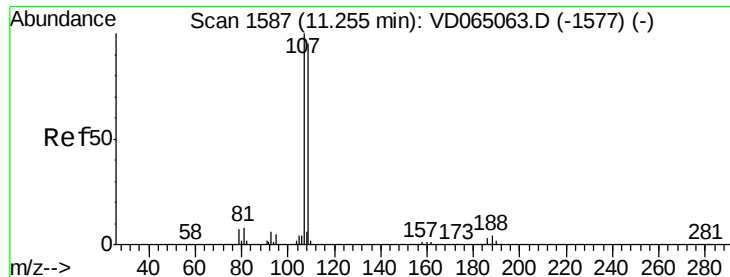
Tot Ion: 43 Resp: 451020
Ion Ratio Lower Upper
43 100
58 54.1 26.2 78.6



#60
Dibromochloromethane
Concen: 57.493 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 129 Resp: 206955
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 55.924 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

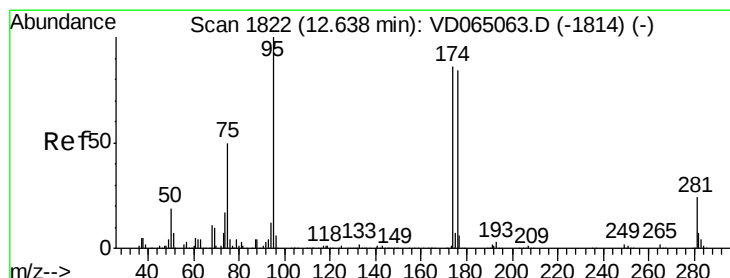
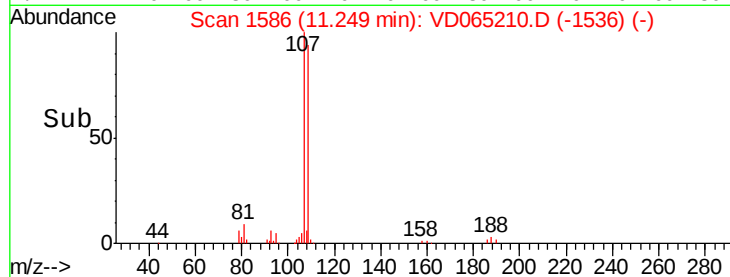
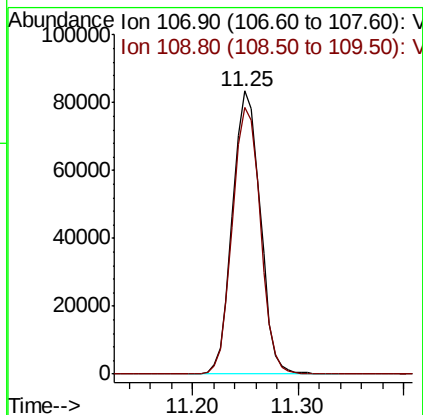
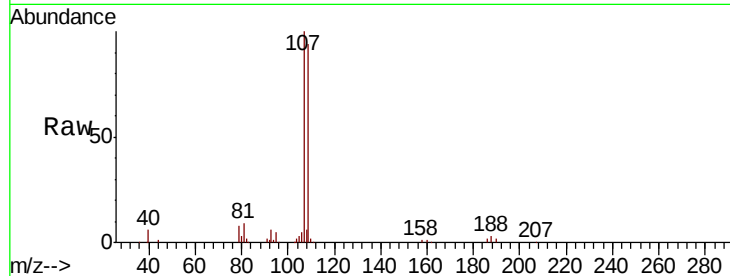
VSTDCCC050EC

Tot Ion: 107 Resp: 151861

Ion Ratio Lower Upper

107 100

109 94.8 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 56.645 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

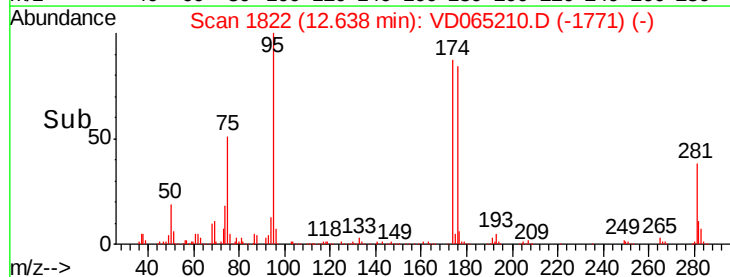
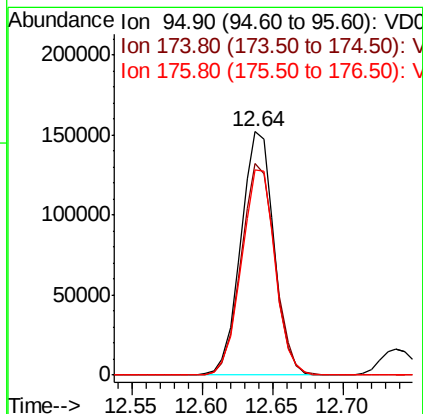
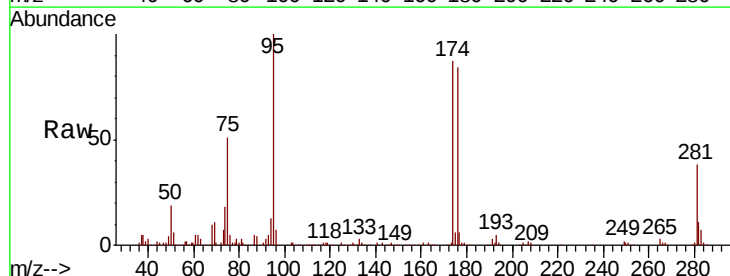
Tgt Ion: 95 Resp: 249640

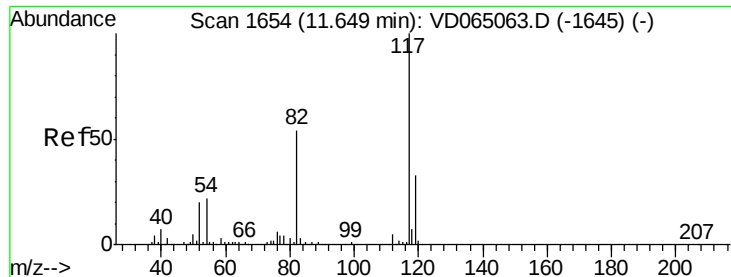
Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.0

176 85.7 0.0 173.2

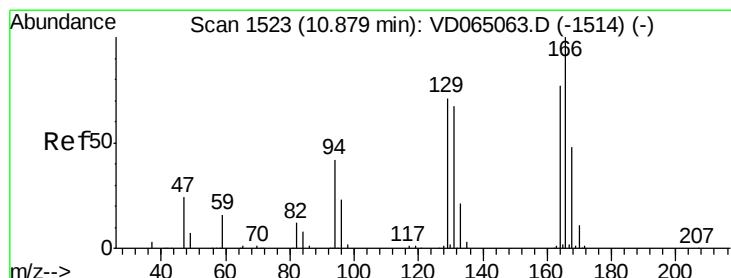
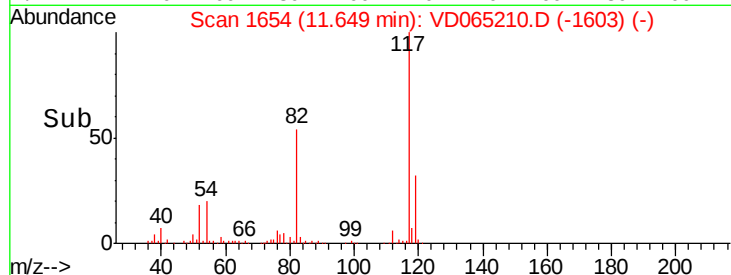
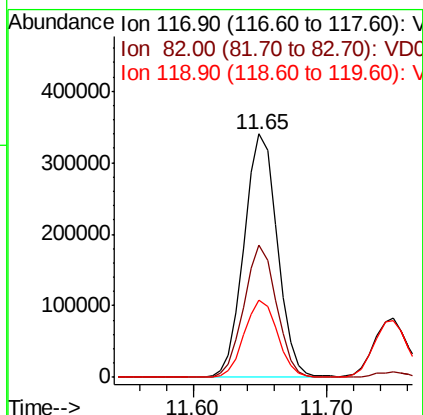
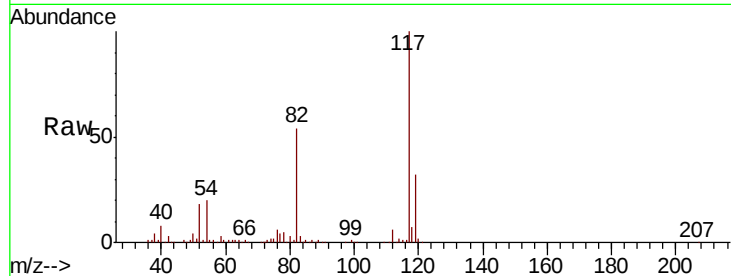




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

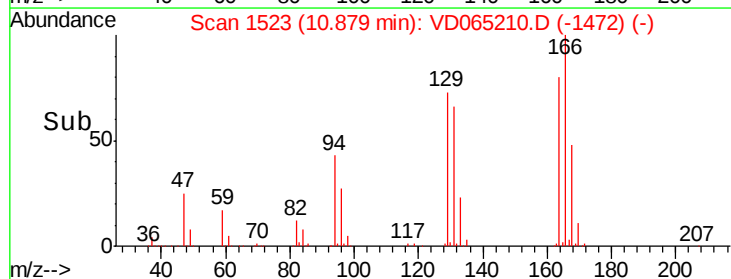
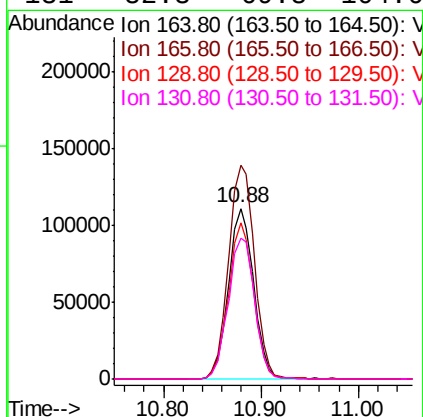
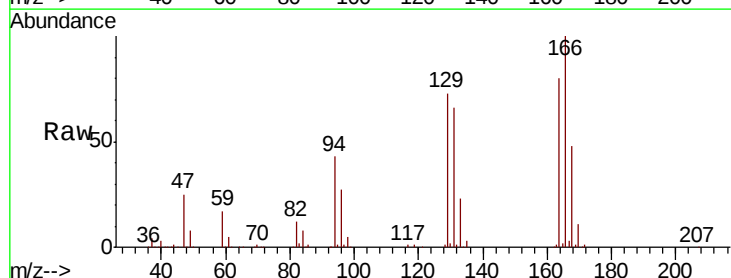
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

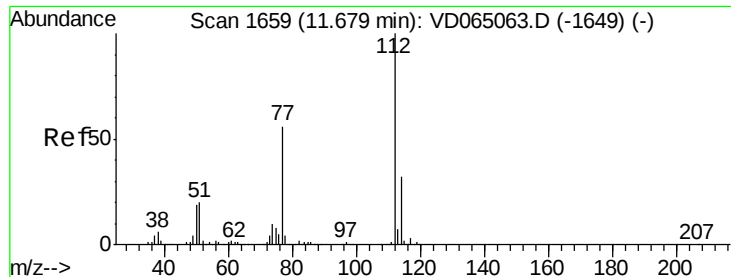
Tot Ion:117 Resp: 585122
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 47.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion:164 Resp: 198535
Ion Ratio Lower Upper
164 100
166 125.0 103.5 155.3
129 91.5 73.3 109.9
131 82.3 69.8 104.6

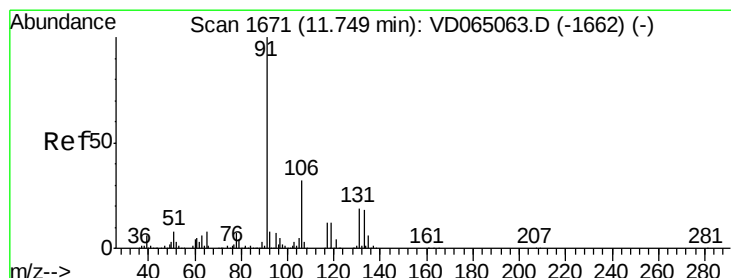
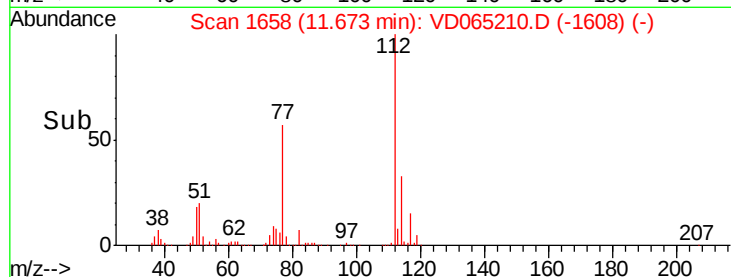
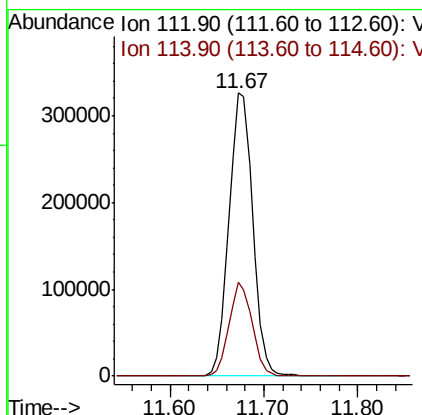
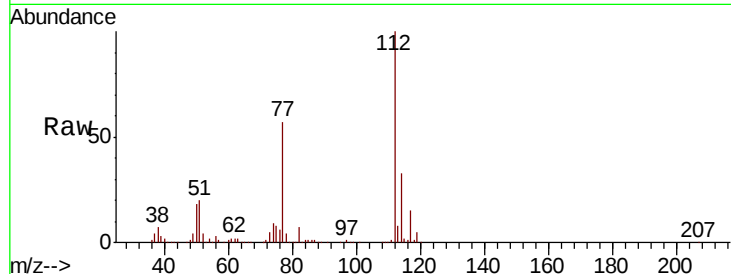




#65
Chlorobenzene
Concen: 50.697 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

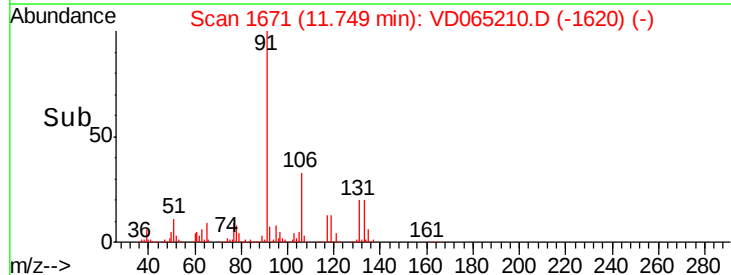
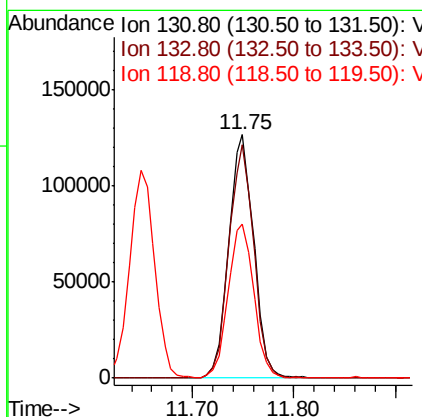
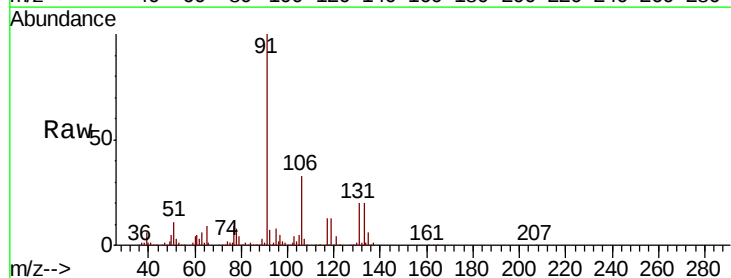
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

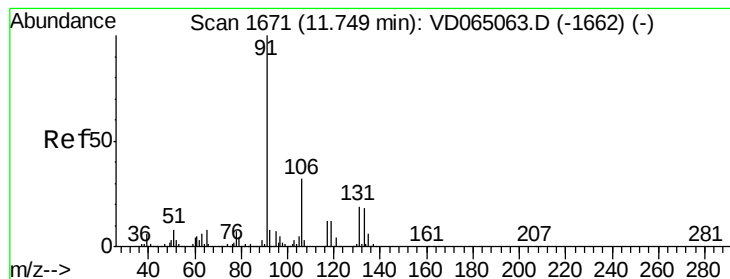
Tot Ion:112 Resp: 573744
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.855 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion:131 Resp: 216594
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 64.9 31.3 93.8





#67

Ethyl Benzene

Concen: 49.104 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

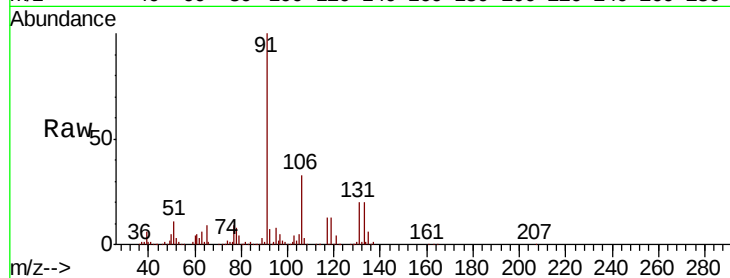
VSTDCCC050EC

Tot Ion: 91 Resp: 1009630

Ion Ratio Lower Upper

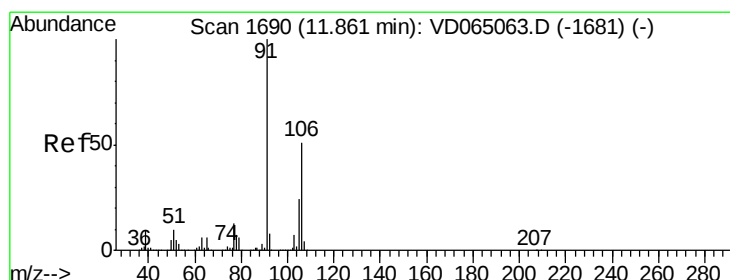
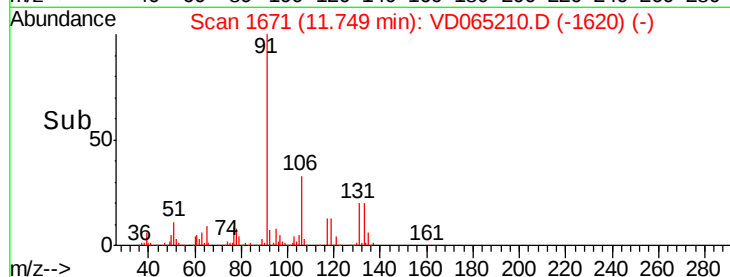
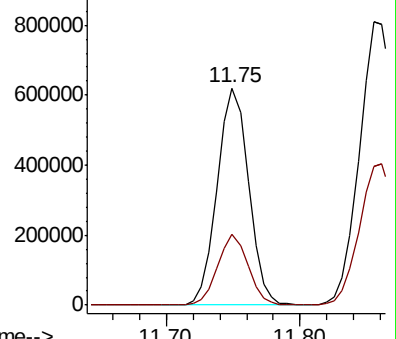
91 100

106 32.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.136 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065210.D

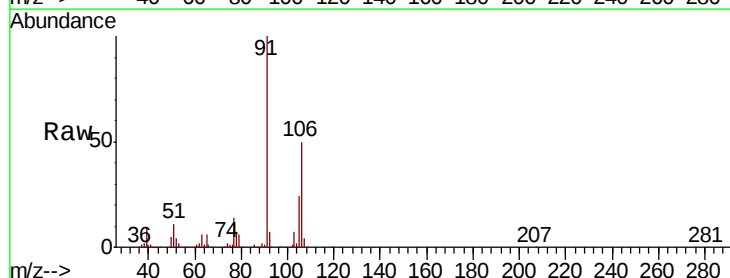
Acq: 17 Feb 2020 21:30

Tgt Ion:106 Resp: 785831

Ion Ratio Lower Upper

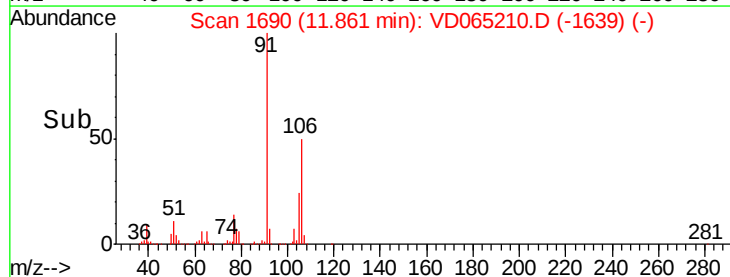
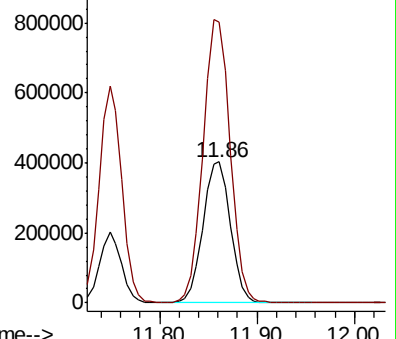
106 100

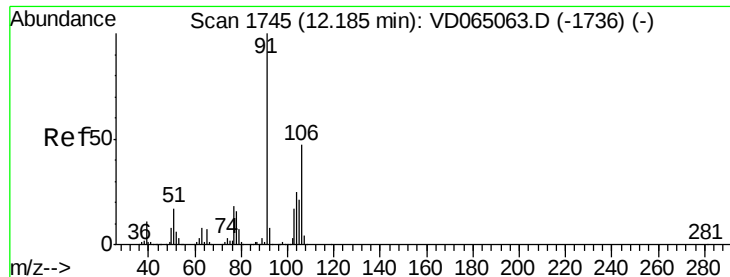
91 198.3 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

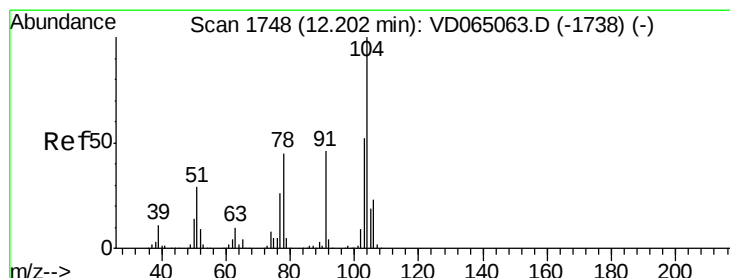
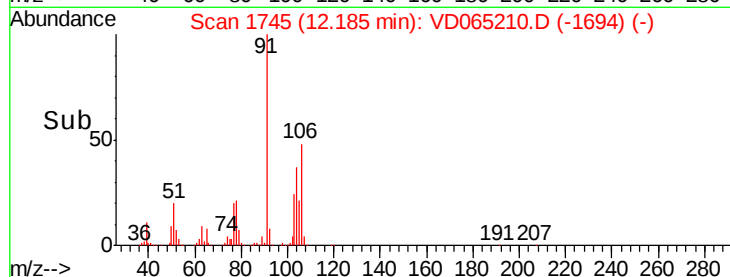
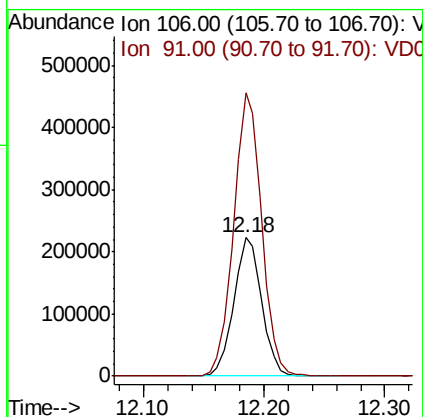
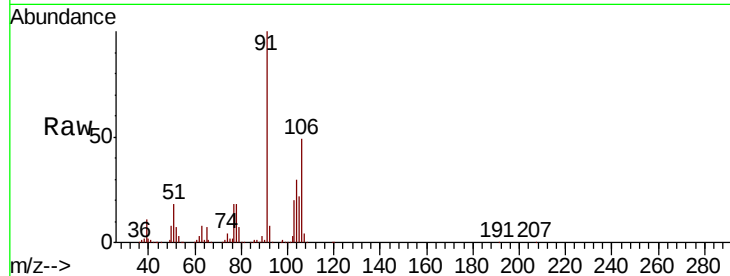




#69
o-Xylene
Concen: 50.598 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

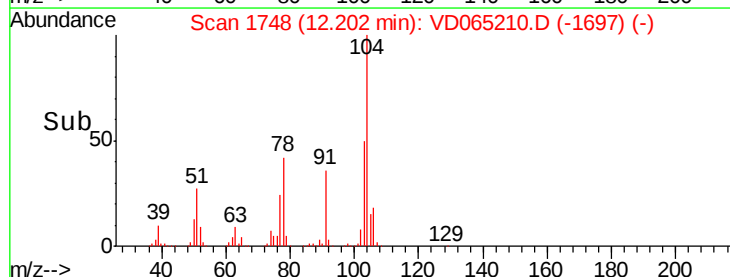
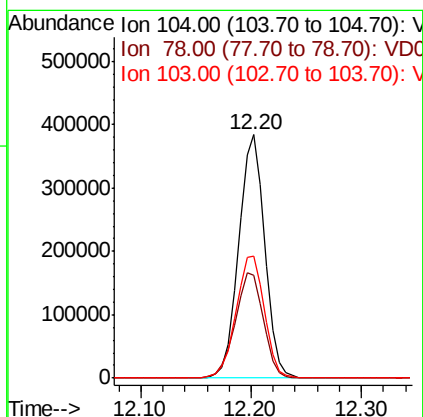
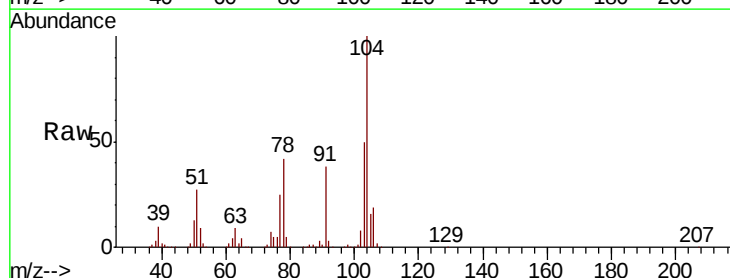
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

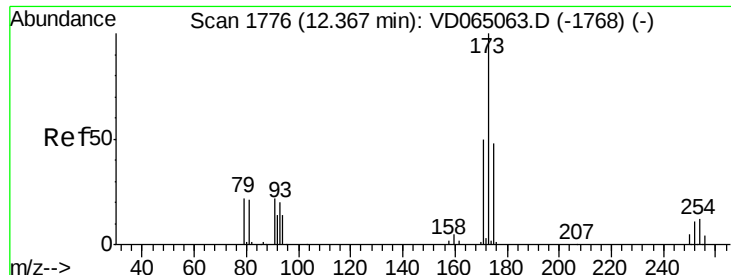
Tot Ion:106 Resp: 357568
Ion Ratio Lower Upper
106 100
91 205.9 104.7 313.9



#70
Styrene
Concen: 51.851 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion:104 Resp: 636859
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.7 43.8 65.8





#71

Bromoform

Concen: 53.873 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

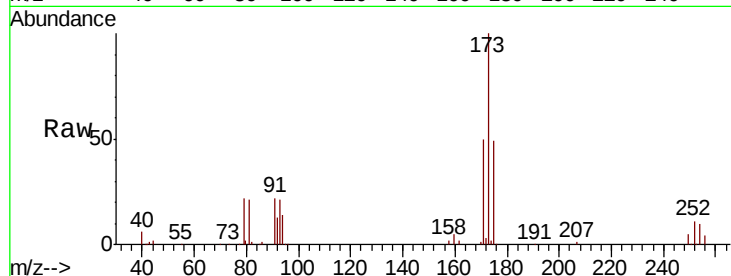
Tot Ion:173 Resp: 121119

Ion Ratio Lower Upper

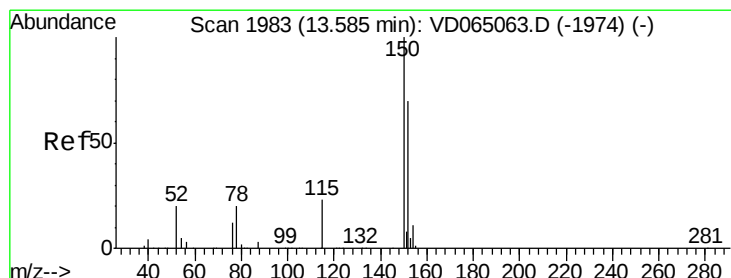
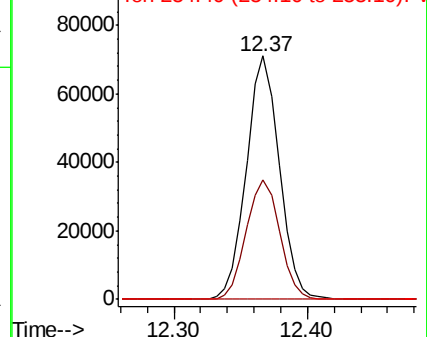
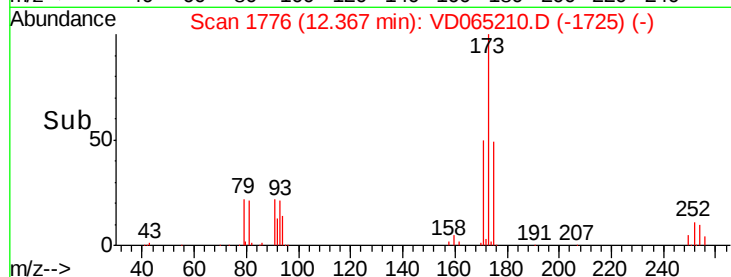
173 100

175 49.8 24.3 72.8

254 0.1 0.1 0.1



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: VD065210.D

Acq: 17 Feb 2020 21:30

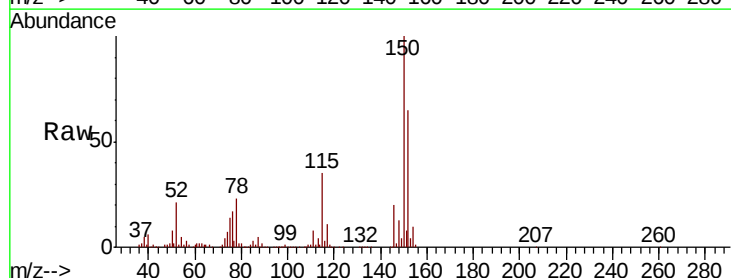
Tgt Ion:152 Resp: 288732

Ion Ratio Lower Upper

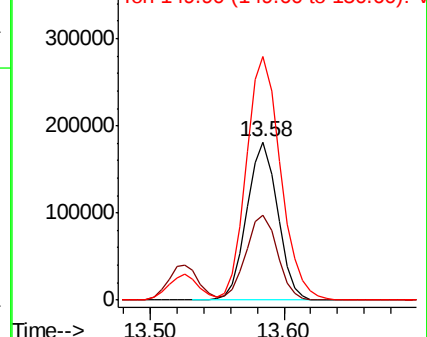
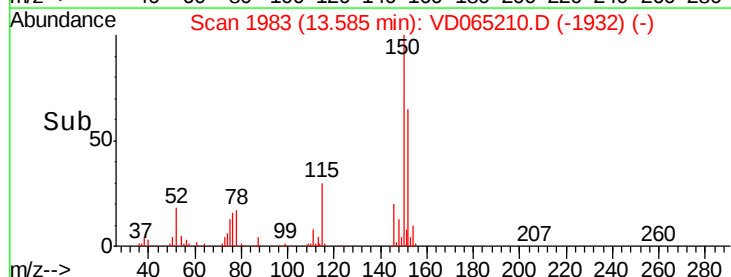
152 100

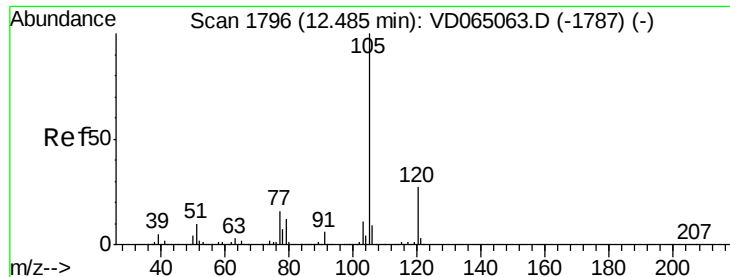
115 55.5 27.5 82.4

150 171.3 0.0 343.2



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

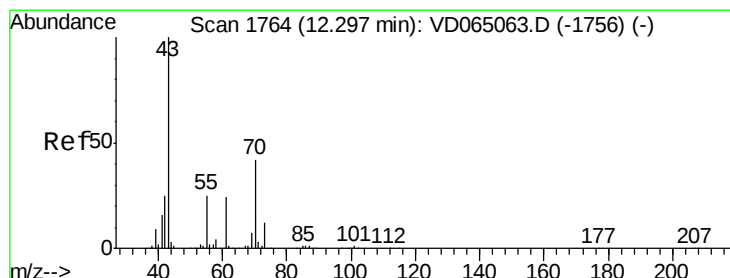
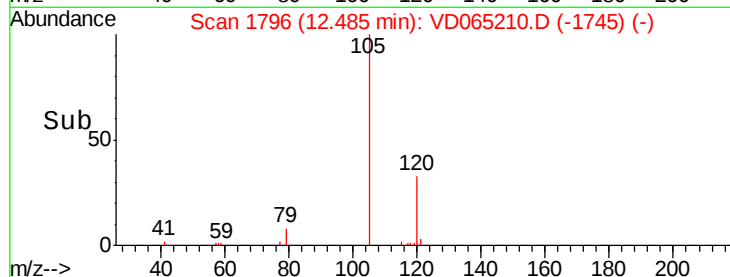
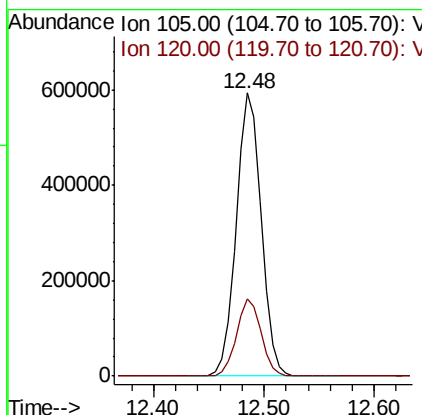
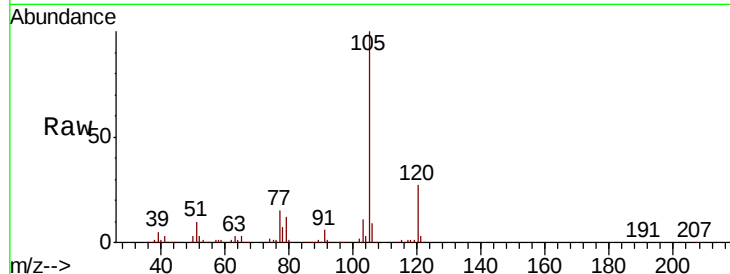




#73
Isopropylbenzene
Concen: 47.588 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

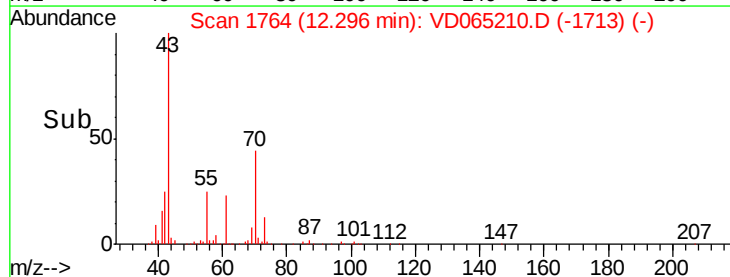
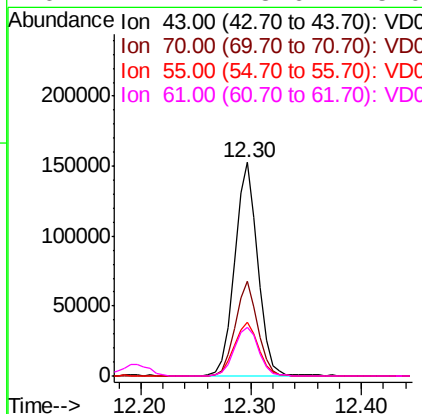
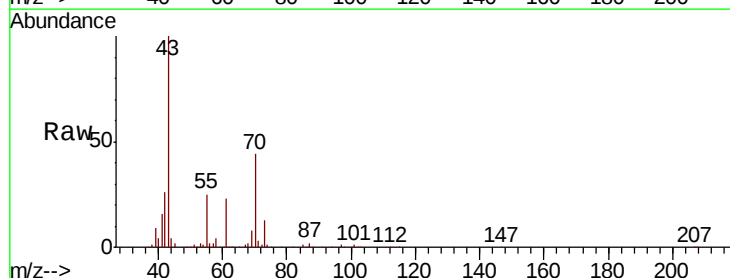
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

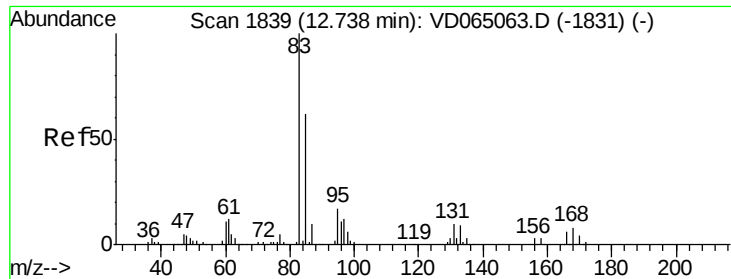
Tot Ion:105 Resp: 943066
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#74
N-ethyl acetate
Concen: 51.860 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 43 Resp: 223385
Ion Ratio Lower Upper
43 100
70 43.3 33.5 50.3
55 26.6 19.4 29.2
61 24.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.690 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

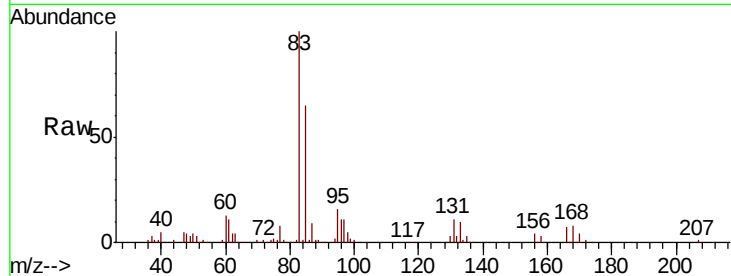
Tot Ion: 83 Resp: 173694

Ion Ratio Lower Upper

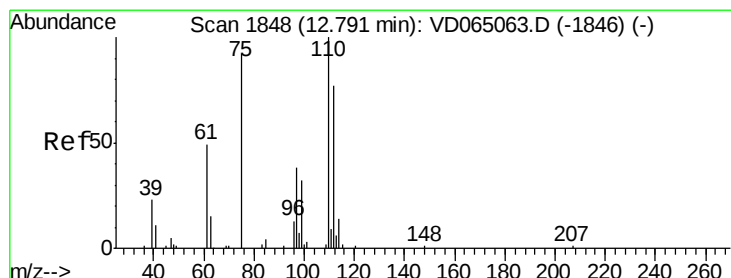
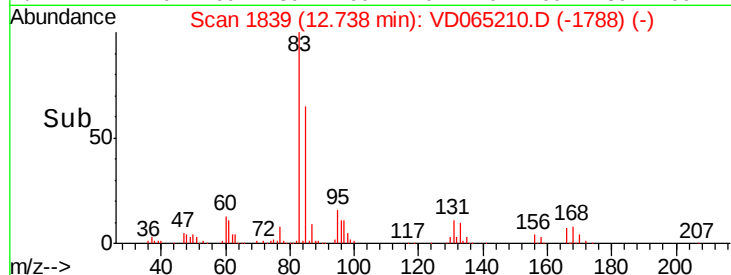
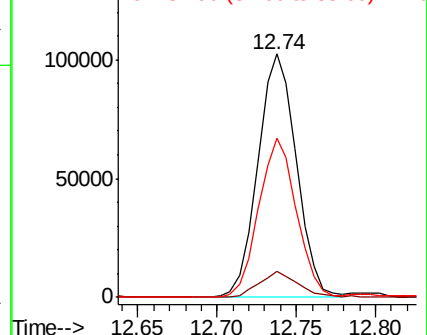
83 100

131 10.8 5.5 16.4

85 64.0 31.8 95.4



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: 102.772 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065210.D

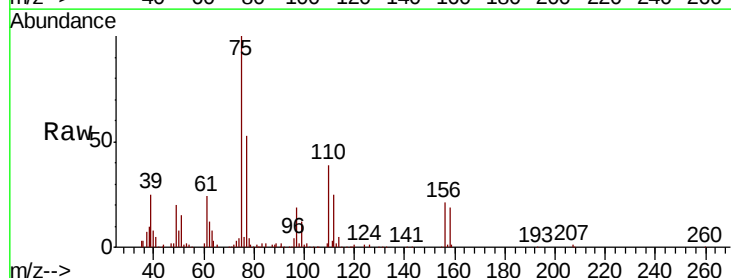
Acq: 17 Feb 2020 21:30

Tgt Ion: 75 Resp: 224661

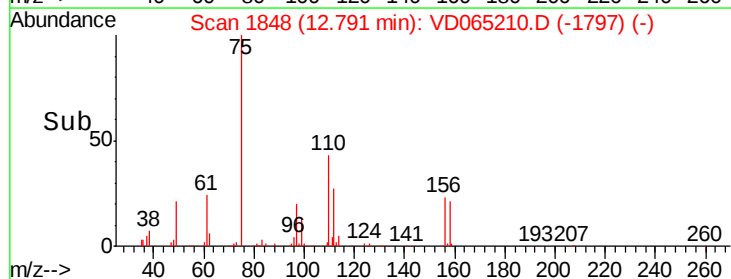
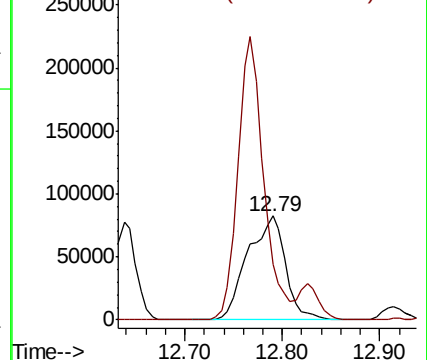
Ion Ratio Lower Upper

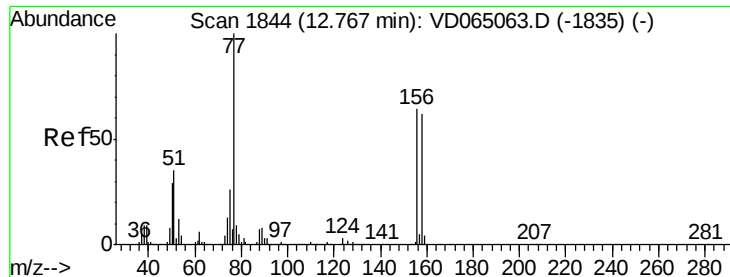
75 100

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: 49.753 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

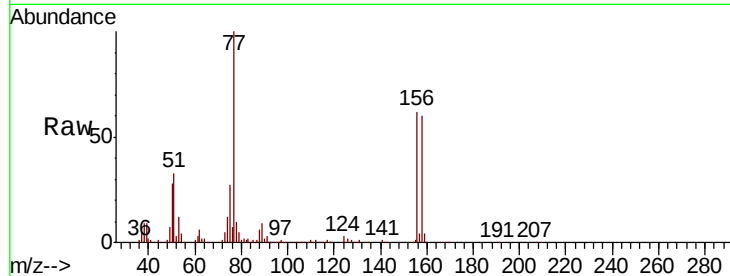
Tot Ion:156 Resp: 237556

Ion Ratio Lower Upper

156 100

77 173.0 85.6 256.8

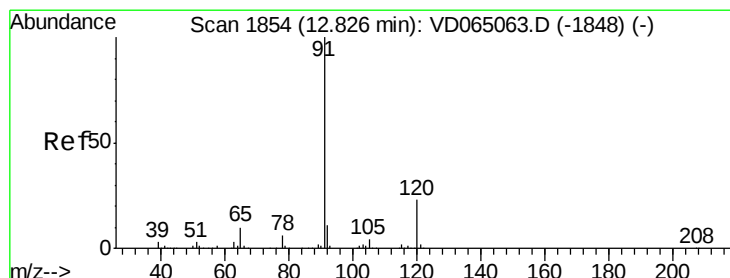
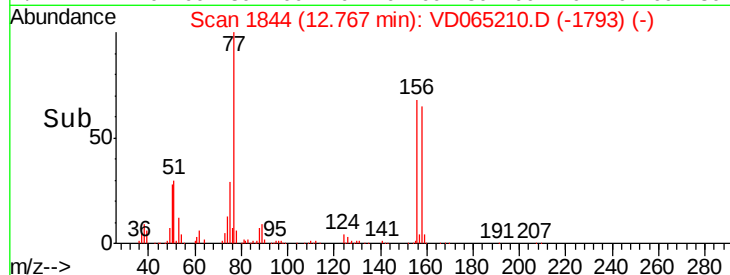
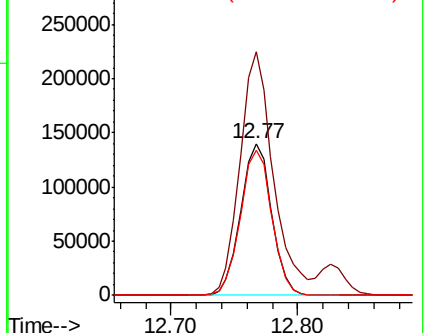
158 96.9 47.4 142.2



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: 49.261 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065210.D

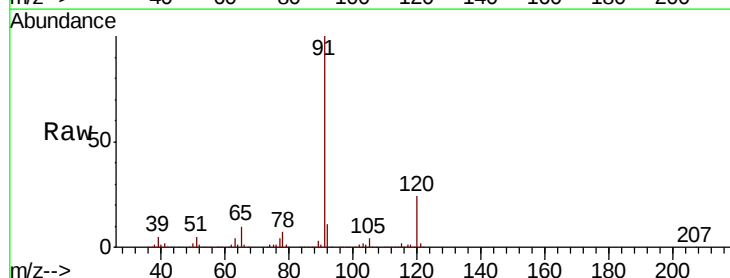
Acq: 17 Feb 2020 21:30

Tgt Ion: 91 Resp: 1143253

Ion Ratio Lower Upper

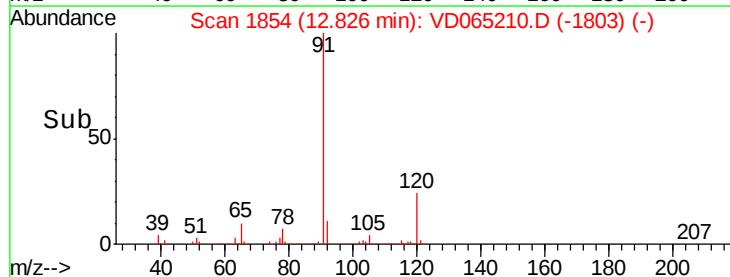
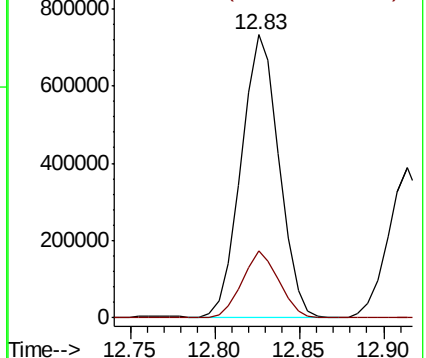
91 100

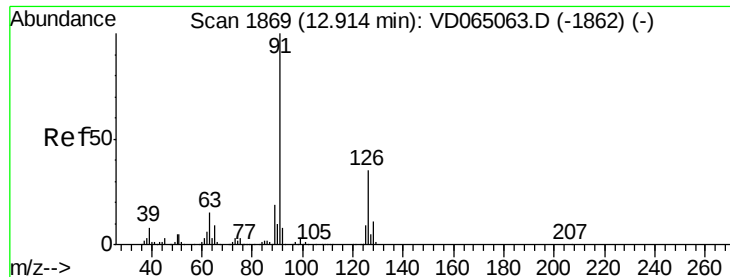
120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

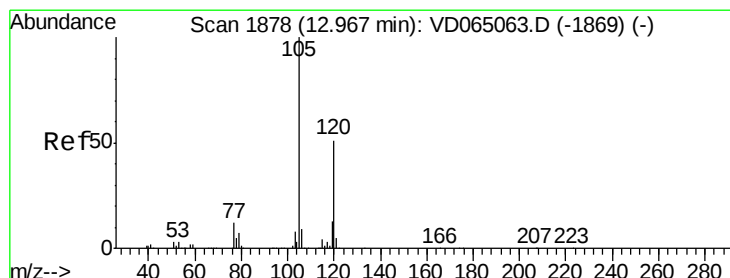
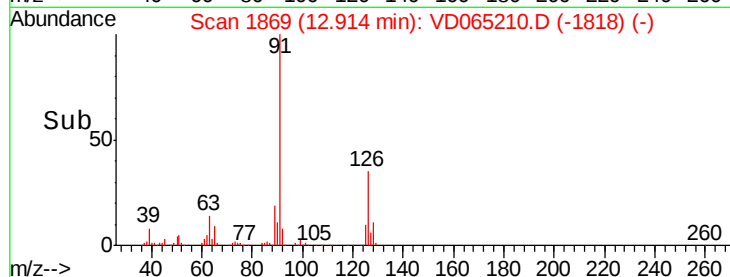
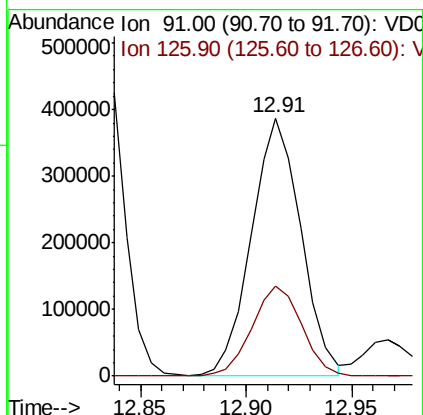
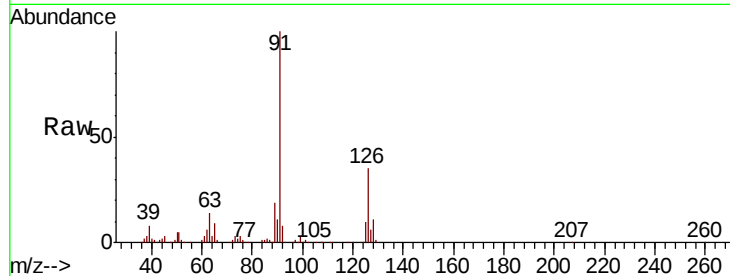




#79
 2-Chlorotoluene
 Concen: 48.661 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

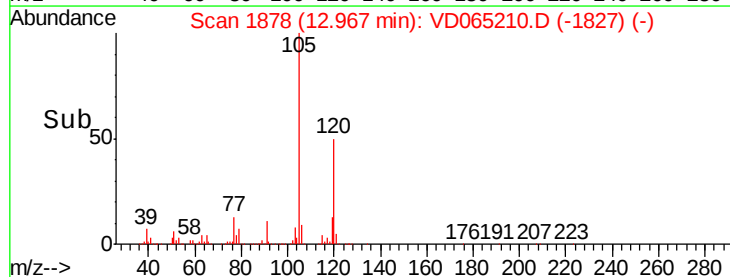
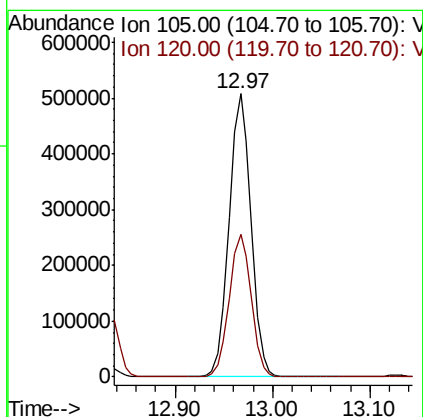
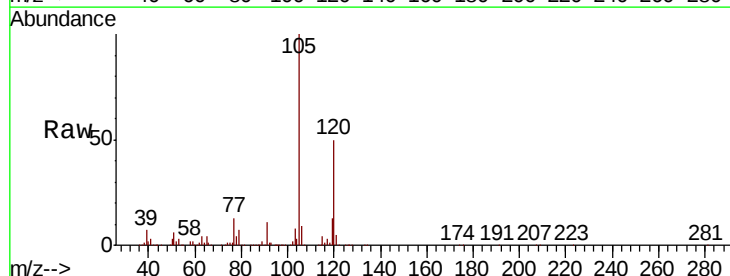
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

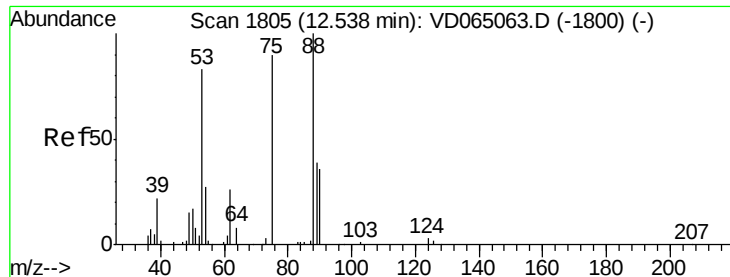
Tot Ion: 91 Resp: 629501
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.674 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion: 105 Resp: 789135
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.950 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

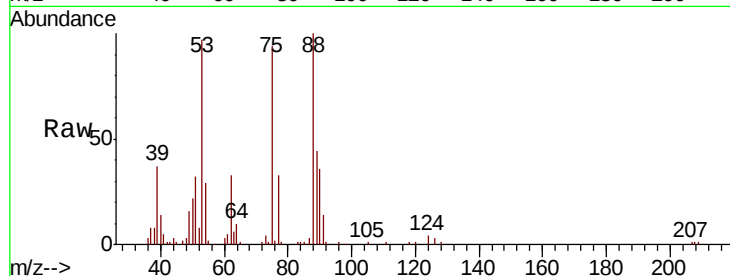
Tot Ion: 75 Resp: 56784

Ion Ratio Lower Upper

75 100

53 94.4 78.5 117.7

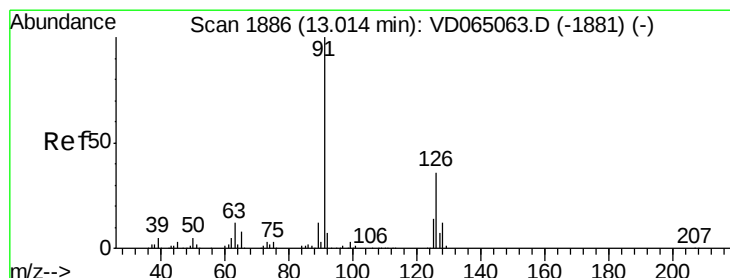
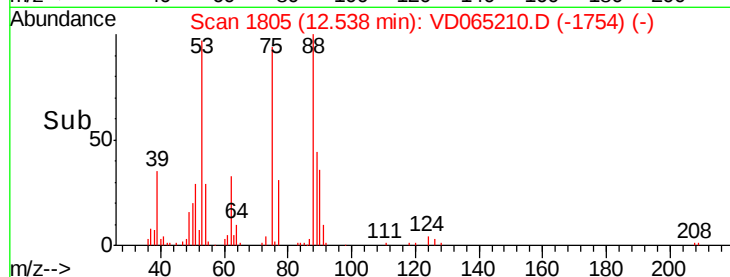
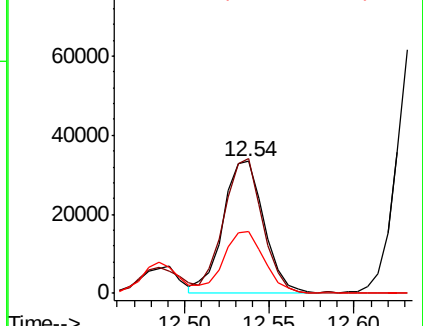
89 45.5 37.0 55.4



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: 49.327 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065210.D

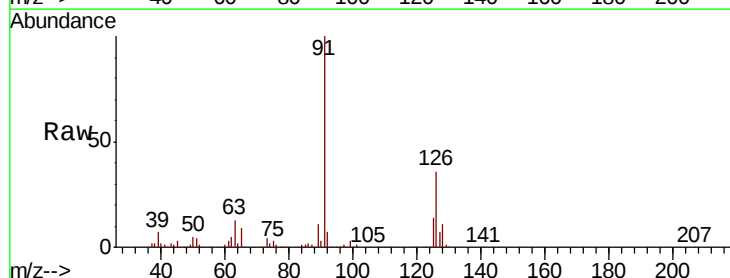
Acq: 17 Feb 2020 21:30

Tgt Ion: 91 Resp: 670175

Ion Ratio Lower Upper

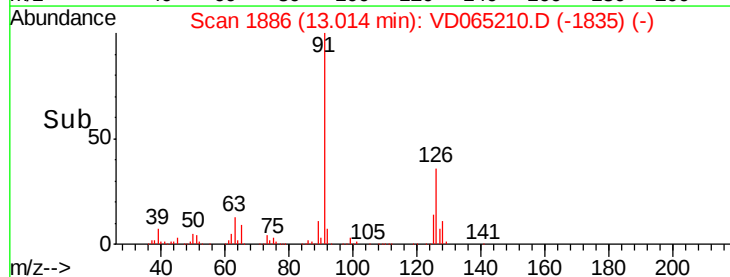
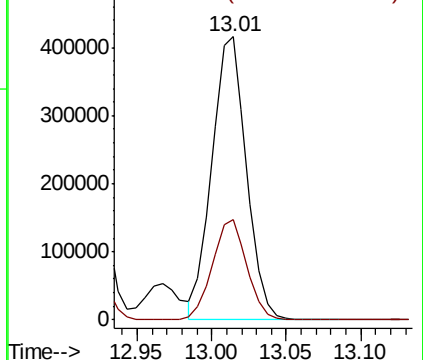
91 100

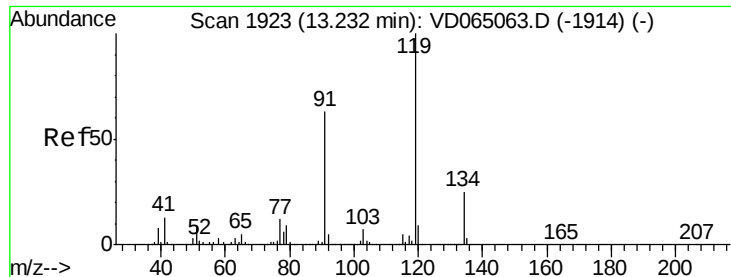
126 35.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

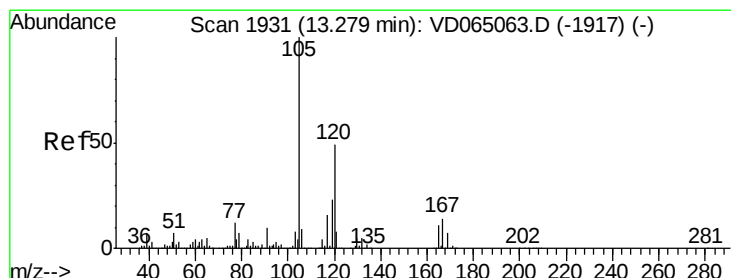
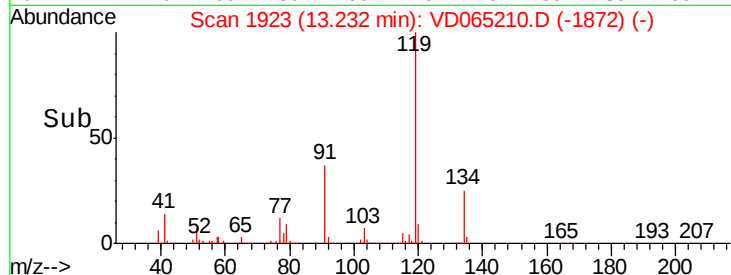
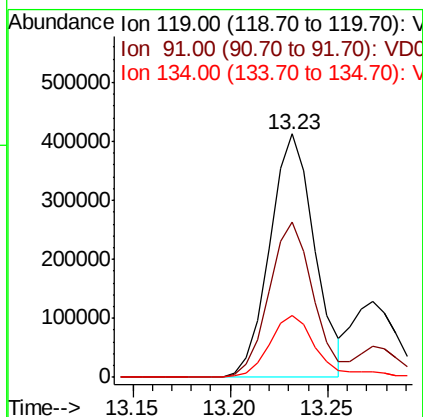
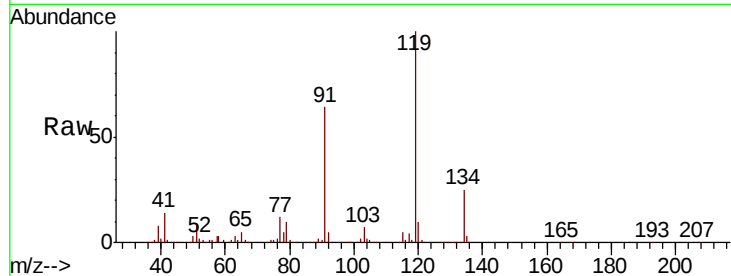




#83
tert-Butylbenzene
Concen: 46.888 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

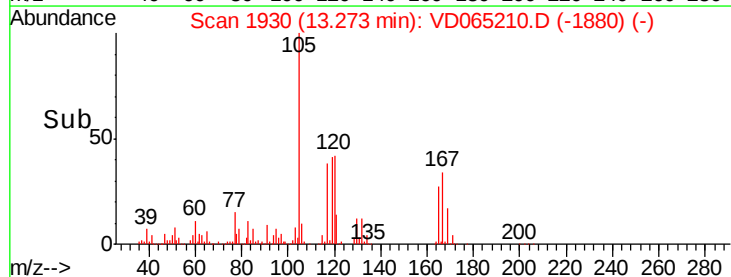
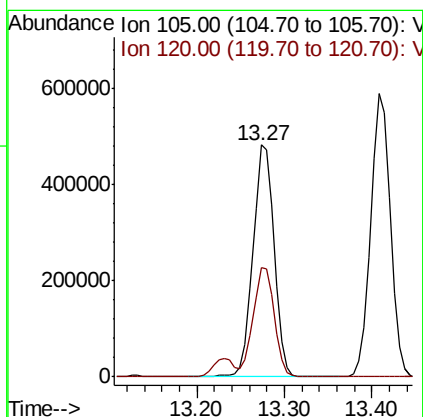
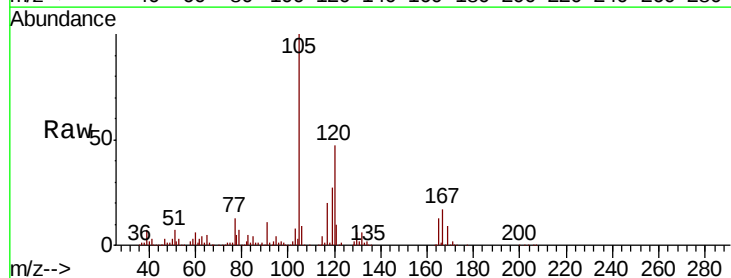
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

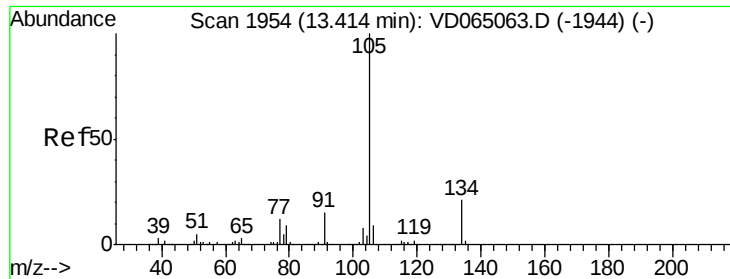
Tot Ion:119 Resp: 655839
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.9
134 27.4 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 49.219 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion:105 Resp: 792209
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 48.237 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

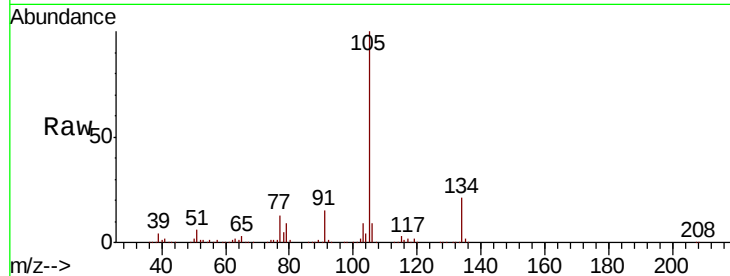
VSTDCCC050EC

Tot Ion:105 Resp: 921505

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

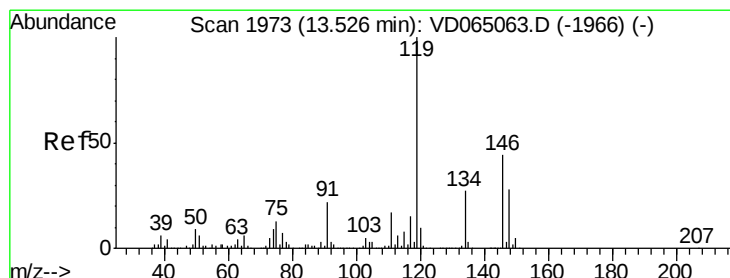
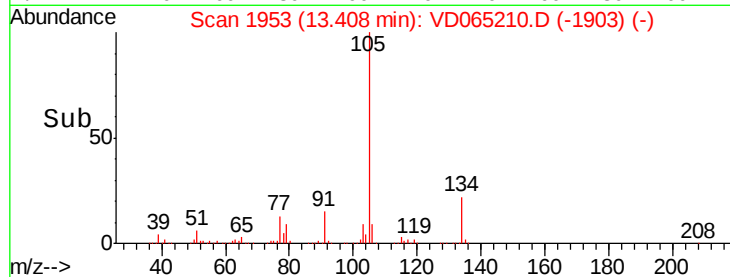
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.783 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

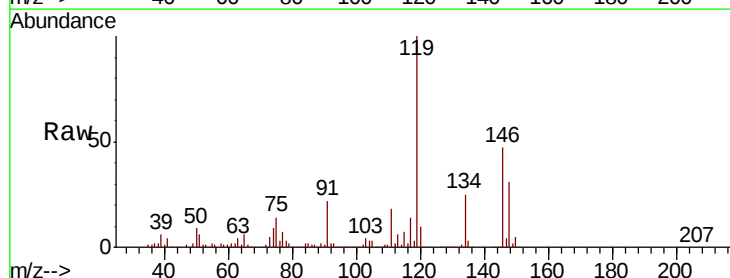
Tgt Ion:119 Resp: 865888

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.5

91 21.9 11.3 33.9



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

13.53

800000

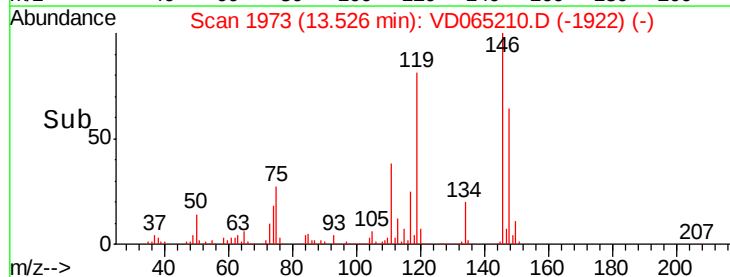
600000

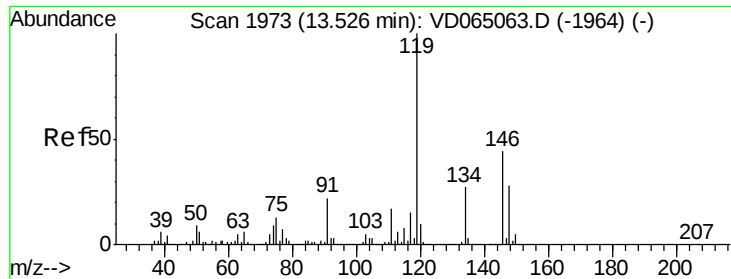
400000

200000

0

Time-->

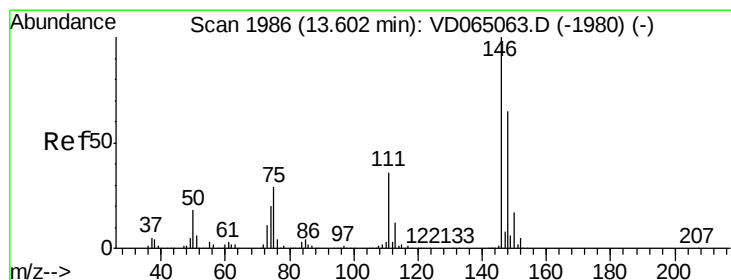
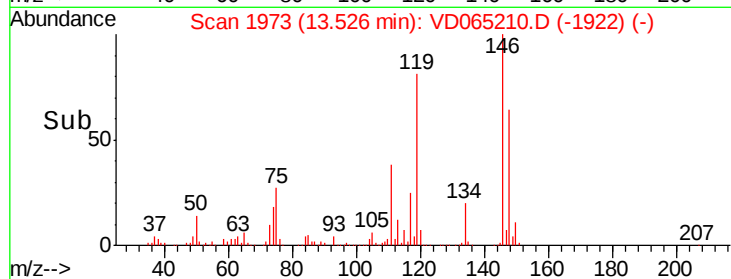
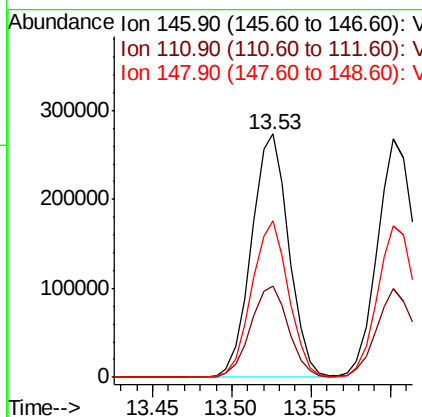
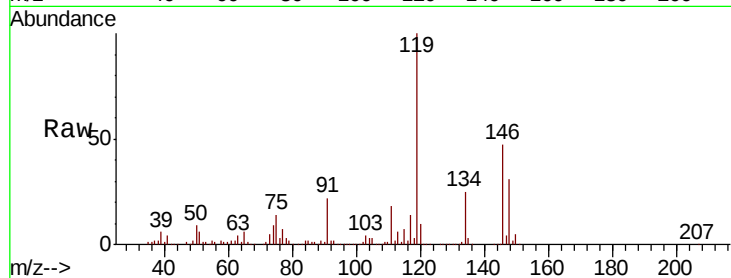




#87
 1,3-Dichlorobenzene
 Concen: 49.979 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

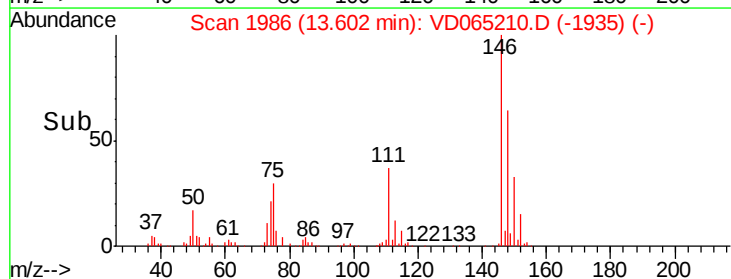
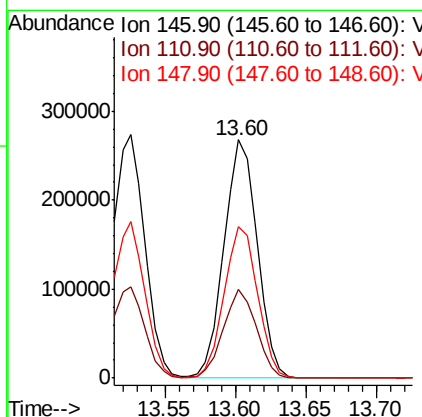
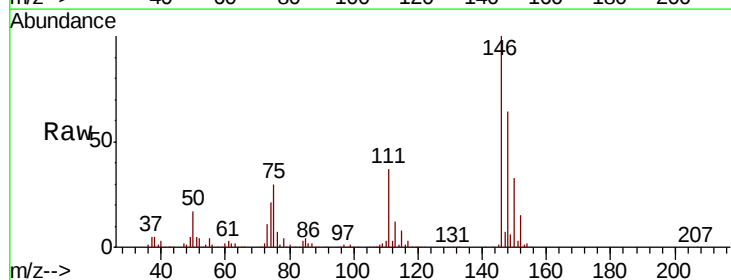
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

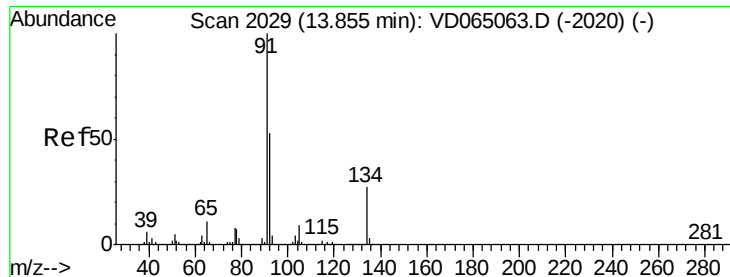
Tot Ion:146 Resp: 446795
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.4
 148 63.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 49.412 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion:146 Resp: 439651
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 64.0 32.7 98.1

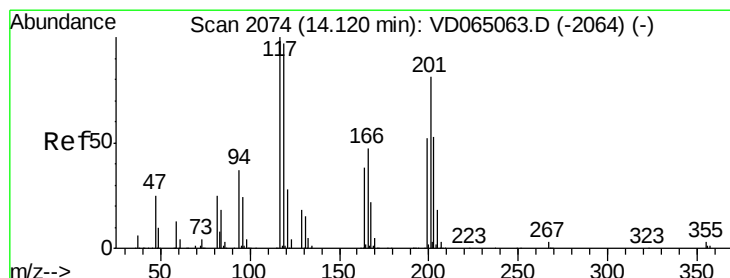
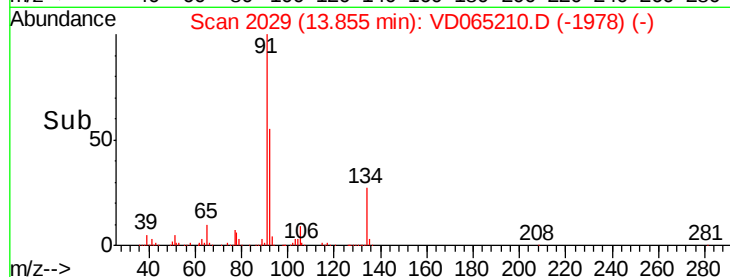
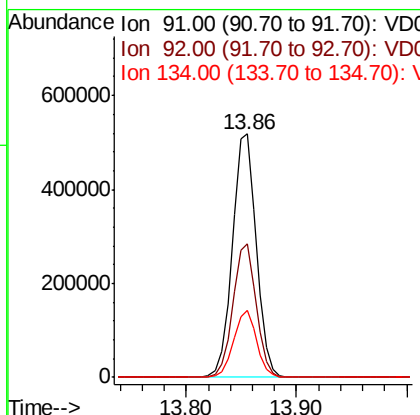
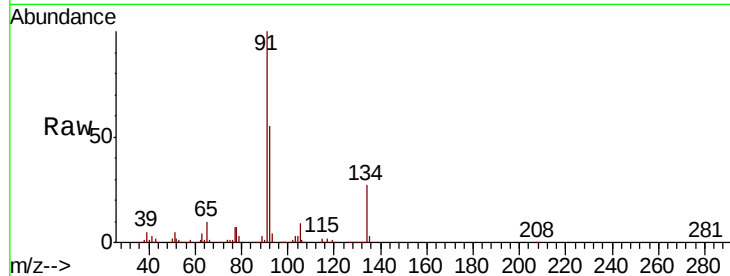




#89
n-Butylbenzene
Concen: 47.934 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

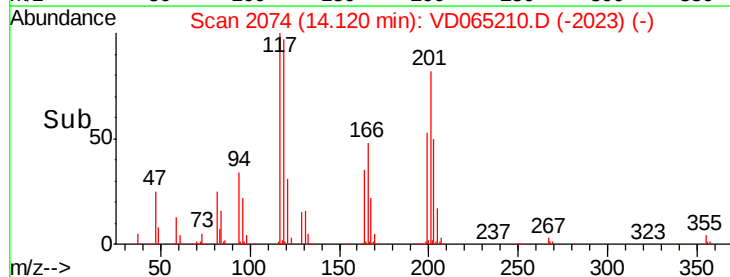
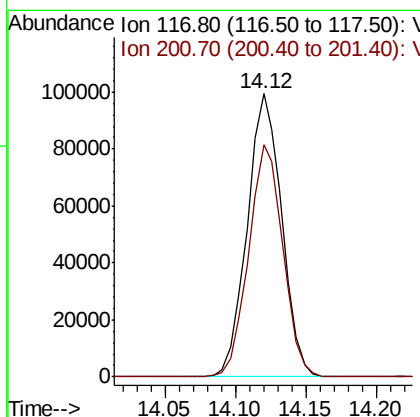
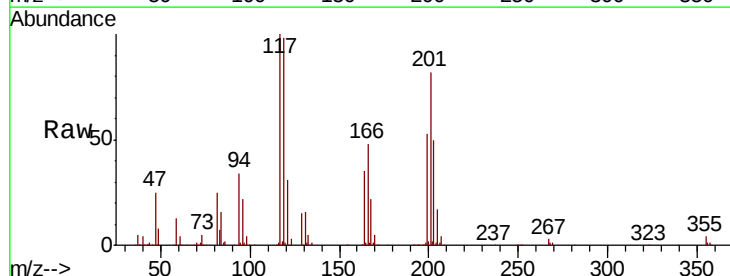
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

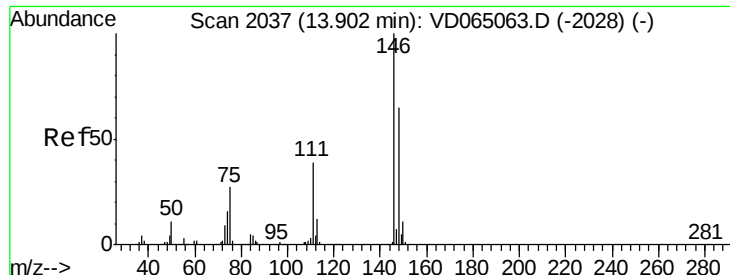
Tot Ion: 91 Resp: 785302
Ion Ratio Lower Upper
91 100
92 53.6 26.7 80.1
134 26.4 13.4 40.2



#90
Hexachloroethane
Concen: 50.739 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 117 Resp: 170536
Ion Ratio Lower Upper
117 100
201 81.2 42.5 127.6

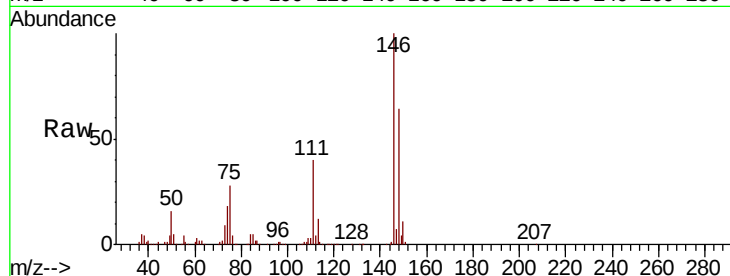




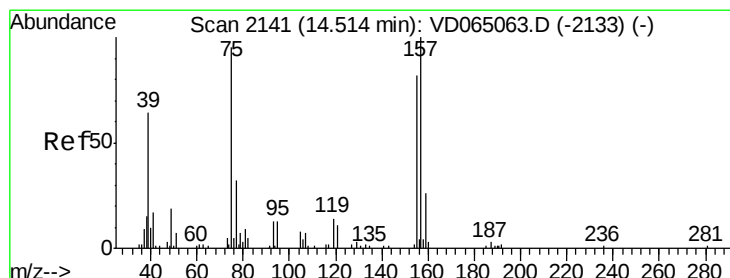
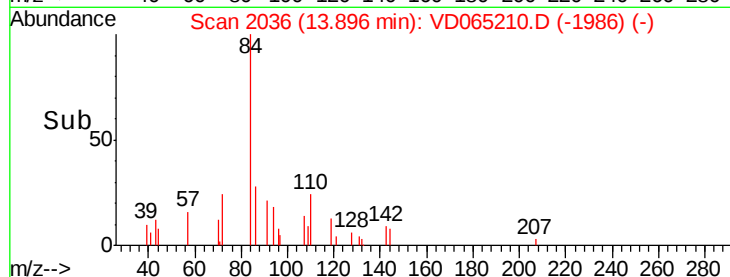
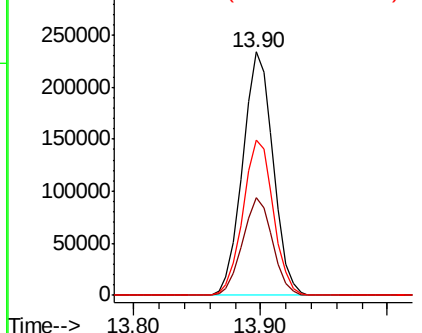
#91
 1,2-Dichlorobenzene
 Concen: 50.981 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.6	31.9	95.5

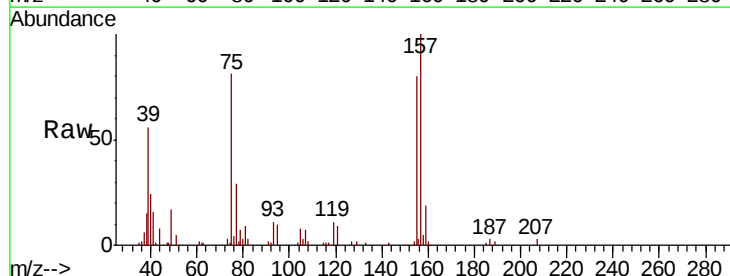


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

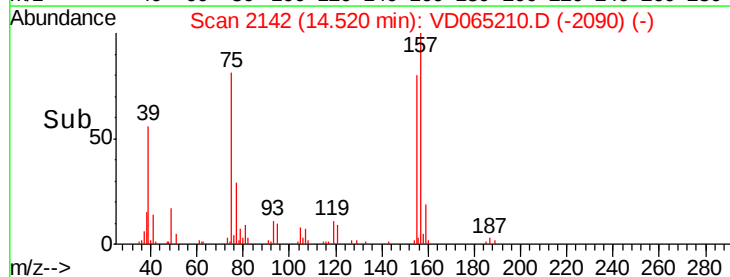
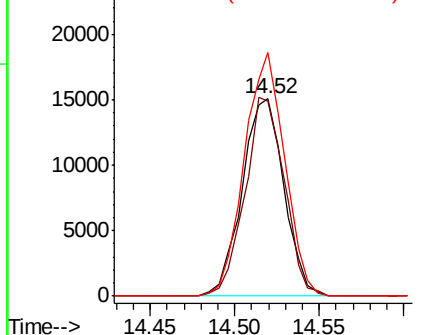


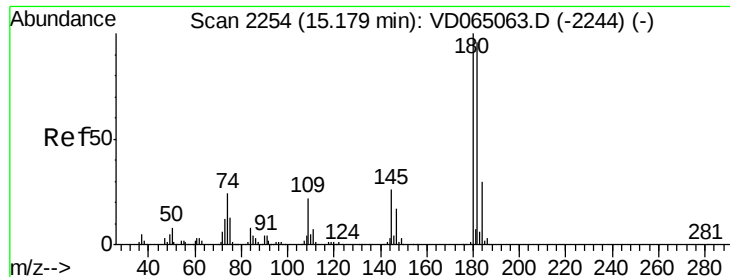
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.887 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	43.4	130.1
157	119.0	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

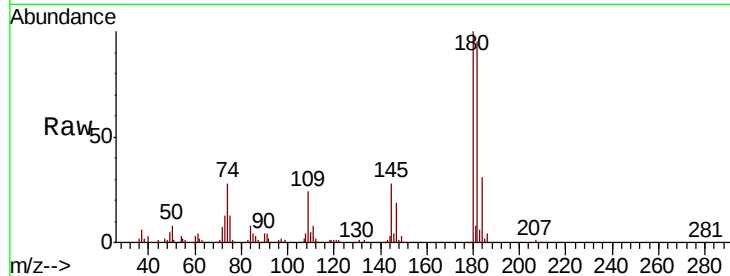




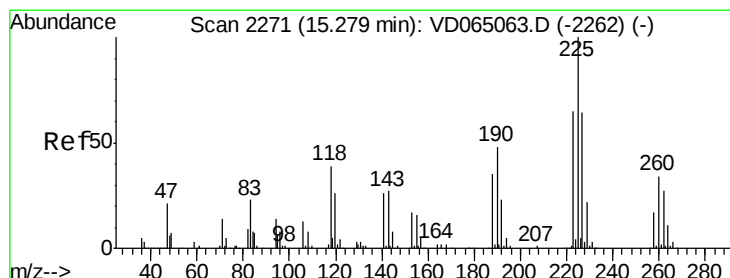
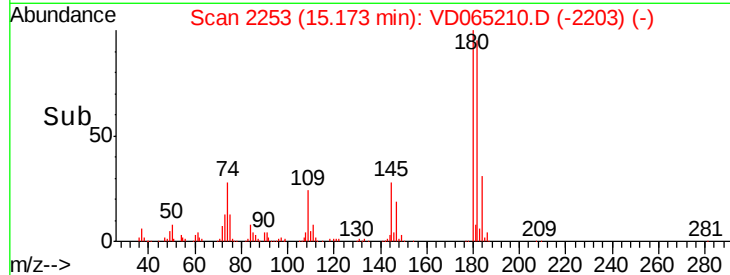
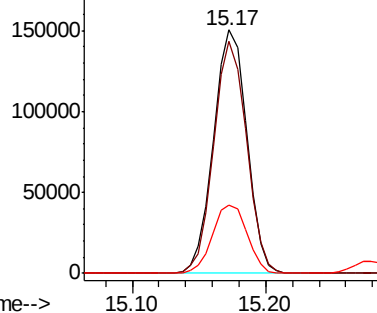
#93
 1,2,4-Trichlorobenzene
 Concen: 47.483 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 259867
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.4 142.3
 145 29.3 14.1 42.4

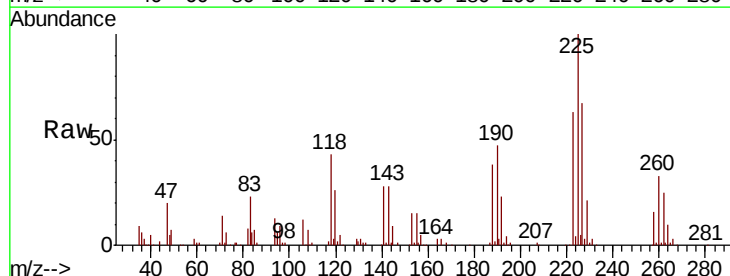


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

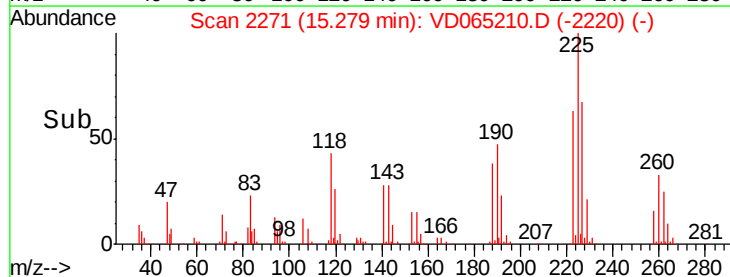
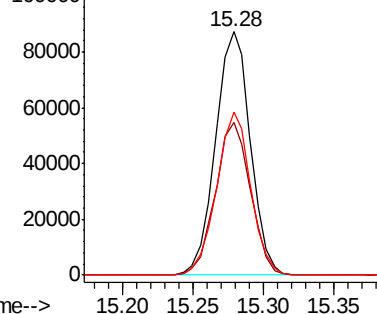


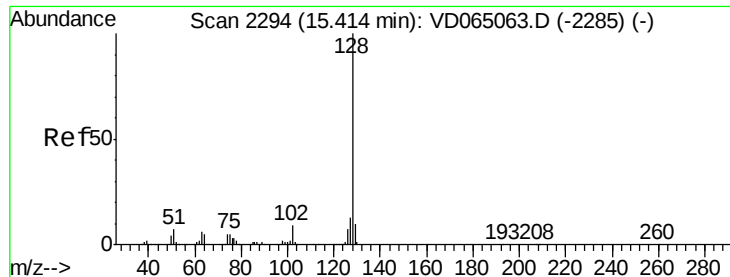
#94
 Hexachlorobutadiene
 Concen: 44.963 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion:225 Resp: 151304
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.0
 227 65.3 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

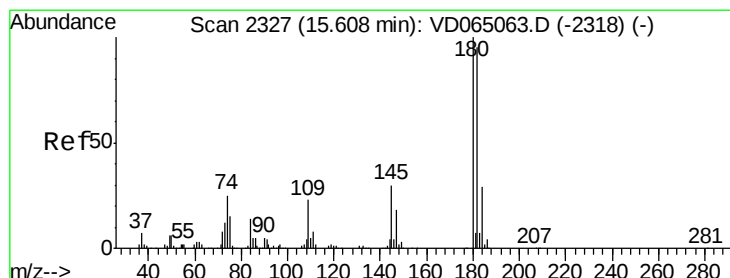
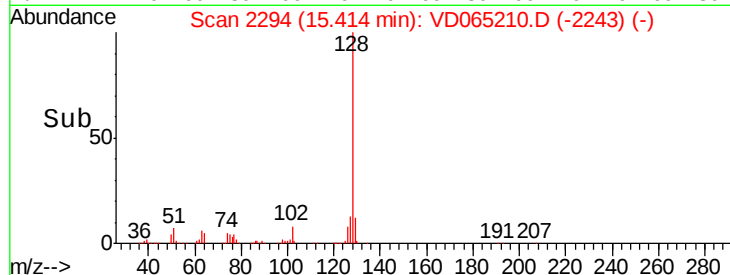
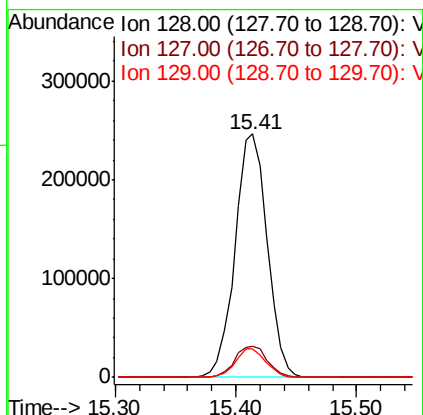
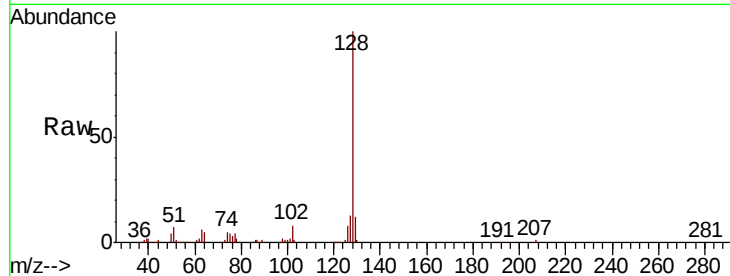




#95
Naphthalene
Concen: 50.409 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 458535
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.832 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion:180 Resp: 228595
Ion Ratio Lower Upper
180 100
182 96.0 47.1 141.4
145 29.9 14.9 44.9

