

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063307.D
 Acq On : 2 Aug 2019 10:40
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 04 03:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1189749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1590590	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1331269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	696936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	647111	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
35) Dibromofluoromethane	6.91	113	679687	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
50) Toluene-d8	10.40	98	1649920	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	13.55	95	691238	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	691915	47.577	ug/l	98
3) Chloromethane	1.74	50	553334	48.971	ug/l	94
4) Vinyl Chloride	1.84	62	559742	47.853	ug/l	99
5) Bromomethane	2.14	94	250167	42.406	ug/l	97
6) Chloroethane	2.26	64	269815	49.961	ug/l	94
7) Trichlorofluoromethane	2.52	101	1162838	51.243	ug/l	98
8) Diethyl Ether	2.86	74	159415	50.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	669158	53.234	ug/l	99
10) Methyl Iodide	3.28	142	915268	50.403	ug/l	95
11) Tert butyl alcohol	4.07	59	123358	212.928	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	496356	53.787	ug/l	85
13) Acrolein	3.02	56	164785	295.546	ug/l	89
14) Allyl chloride	3.60	41	733495	49.895	ug/l	96
15) Acrylonitrile	4.18	53	376166	250.445	ug/l	99
16) Acetone	3.21	43	768636	298.830	ug/l	95
17) Carbon Disulfide	3.36	76	1536354	49.740	ug/l	99
18) Methyl Acetate	3.63	43	230086	46.570	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	1002489	48.092	ug/l	98
20) Methylene Chloride	3.80	84	503529	48.431	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	538672	52.024	ug/l	91
22) Diisopropyl ether	5.11	45	1498681	51.027	ug/l #	95
23) Vinyl Acetate	5.04	43	4747140	262.939	ug/l	99
24) 1,1-Dichloroethane	4.97	63	946565	50.455	ug/l	97
25) 2-Butanone	6.05	43	654424	253.518	ug/l	93
26) 2,2-Dichloropropane	6.00	77	1042237	53.908	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	577340	52.006	ug/l	88
28) Bromochloromethane	6.43	49	323535	43.284	ug/l #	100
29) Tetrahydrofuran	6.44	42	316765	259.187	ug/l	99
30) Chloroform	6.65	83	1135189	48.758	ug/l	99
31) Cyclohexane	6.94	56	618400	52.588	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	1156508	51.355	ug/l	97
36) 1,1-Dichloropropene	7.13	75	794299	54.718	ug/l	97
37) Ethyl Acetate	6.17	43	321932	49.364	ug/l #	99
38) Carbon Tetrachloride	7.09	117	1294900	59.254	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	643030	53.168	ug/l	94
40) Benzene	7.44	78	1677604	55.142	ug/l	97
41) Methacrylonitrile	6.44	41	409439	52.485	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	808459	50.141	ug/l	96
43) Isopropyl Acetate	9.23	43	444435	53.350	ug/l	98
44) Trichloroethene	8.53	130	627005	50.861	ug/l	99
45) 1,2-Dichloropropane	8.93	63	390922	50.554	ug/l	99
46) Dibromomethane	9.05	93	336968	52.408	ug/l	94
47) Bromodichloromethane	9.36	83	898508	54.821	ug/l	94
48) Methyl methacrylate	9.11	41	272197	50.380	ug/l	98
49) 1,4-Dioxane	9.07	88	54569	1193.079	ug/l	87
51) 4-Methyl-2-Pentanone	10.29	43	1501427	265.014	ug/l	99
52) Toluene	10.50	92	1016778	50.250	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	729361	51.617	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	794018	53.467	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	360690	52.780	ug/l	97
56) Ethyl methacrylate	11.03	69	400418	53.508	ug/l	92
57) 1,3-Dichloropropane	11.40	76	589473	54.746	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	1016779	261.124	ug/l	99
59) 2-Hexanone	11.52	43	1153423	282.509	ug/l	99
60) Dibromochloromethane	11.67	129	679043	52.634	ug/l	96
61) 1,2-Dibromoethane	11.80	107	457387	54.240	ug/l	98
64) Tetrachloroethene	11.25	164	575248	54.239	ug/l	98
65) Chlorobenzene	12.39	112	1349770	52.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	631981	56.030	ug/l	96
67) Ethyl Benzene	12.52	91	2455274	56.444	ug/l	98
68) m/p-Xylenes	12.66	106	1670972	104.746	ug/l	94
69) o-Xylene	13.04	106	797970	54.471	ug/l	88
70) Styrene	13.07	104	1389506	53.485	ug/l	98
71) Bromoform	13.23	173	436675	53.237	ug/l	100
73) Isopropylbenzene	13.39	105	2293307	52.428	ug/l	100
74) N-amyl acetate	13.26	43	603252	52.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	412373	55.500	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	424777	50.743	ug/l	99
77) Bromobenzene	13.66	156	632459	50.756	ug/l	94
78) n-propylbenzene	13.77	91	2862041	54.982	ug/l	100
79) 2-Chlorotoluene	13.84	91	1671332	55.412	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1901884	50.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	122248	52.591	ug/l	95
82) 4-Chlorotoluene	13.94	91	1873390	52.777	ug/l	89
83) tert-Butylbenzene	14.18	119	2064314	47.921	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	2011711	51.552	ug/l	99
85) sec-Butylbenzene	14.36	105	2421897	53.363	ug/l	100
86) p-Isopropyltoluene	14.49	119	2230675	51.495	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1155717	52.373	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	1135853	50.902	ug/l	94
89) n-Butylbenzene	14.79	91	2099480	56.116	ug/l	98
90) Hexachloroethane	15.00	117	641028	56.799	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	1026362	53.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	81340	53.744	ug/l	88

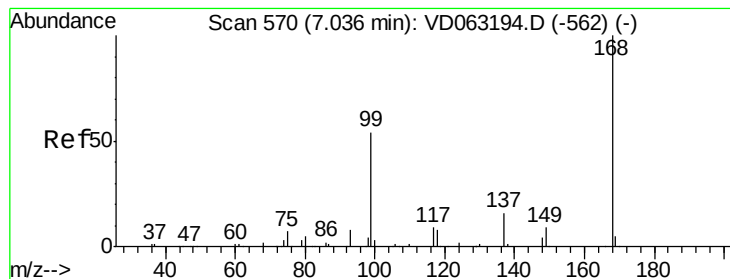
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	803919	52.707	ug/l	97
94) Hexachlorobutadiene	16.03	225	579268	52.407	ug/l	97
95) Naphthalene	16.12	128	1081993	50.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	628891	52.193	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

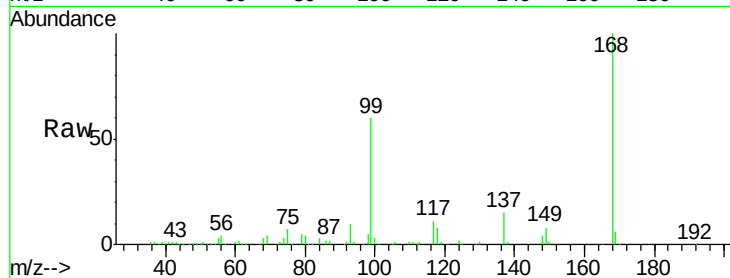
VSTDCCC050

Tot Ion:168 Resp: 1189749

Ion Ratio Lower Upper

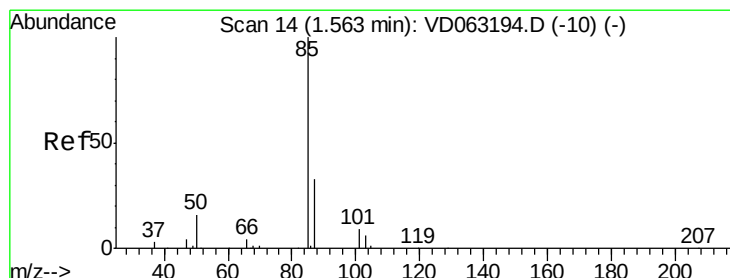
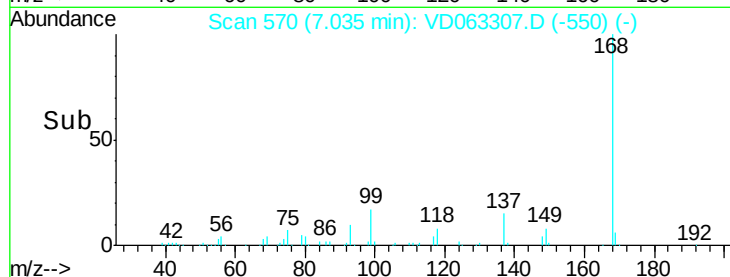
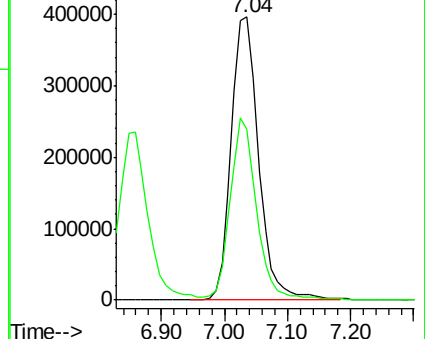
168 100

99 60.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.577 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063307.D

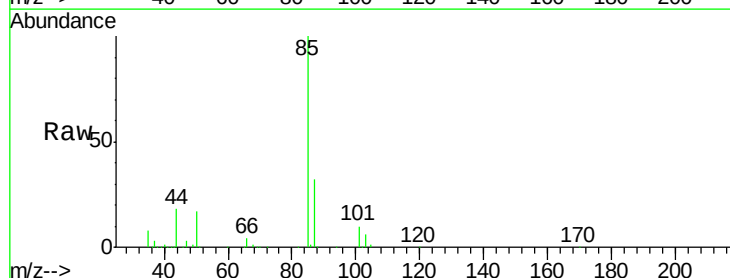
Acq: 2 Aug 2019 10:40

Tgt Ion: 85 Resp: 691915

Ion Ratio Lower Upper

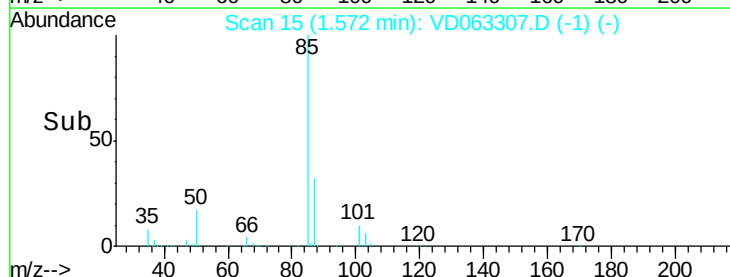
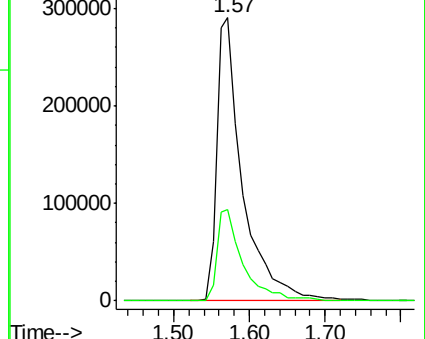
85 100

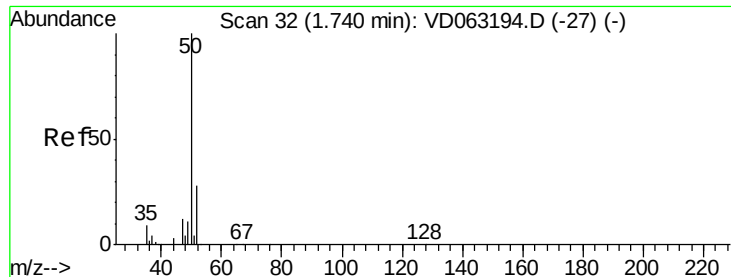
87 32.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.971 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

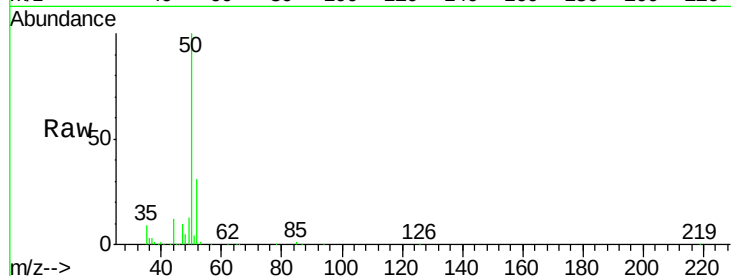
VSTDCCC050

Tot Ion: 50 Resp: 553334

Ion Ratio Lower Upper

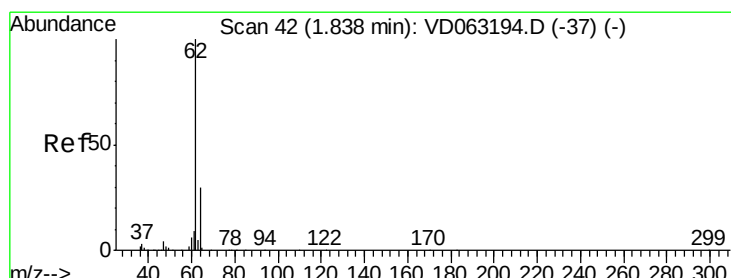
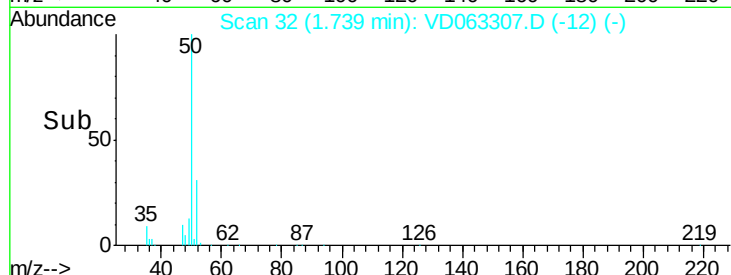
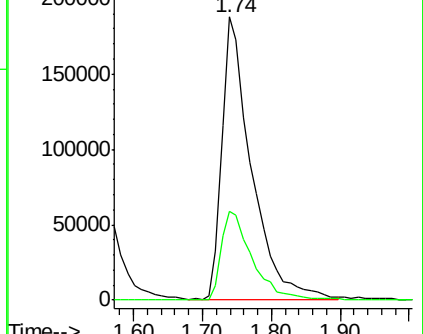
50 100

52 31.4 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.853 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063307.D

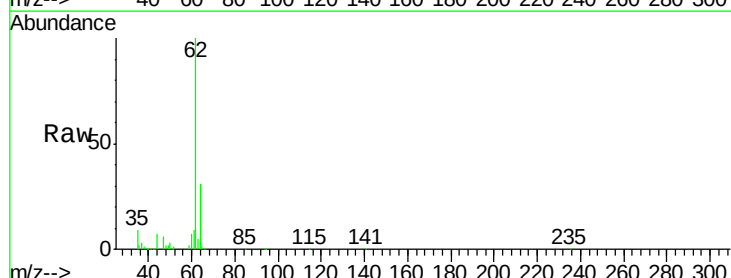
Acq: 2 Aug 2019 10:40

Tgt Ion: 62 Resp: 559742

Ion Ratio Lower Upper

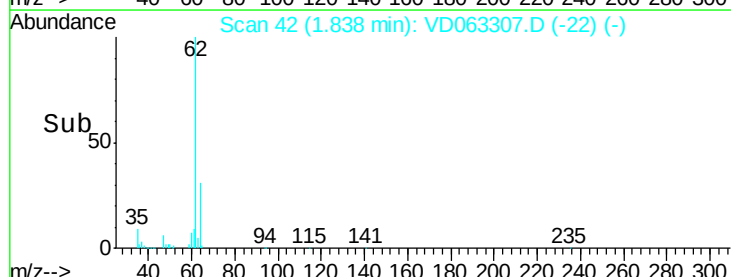
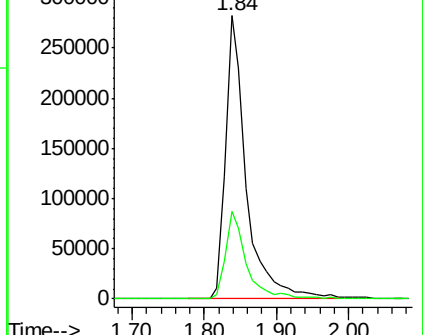
62 100

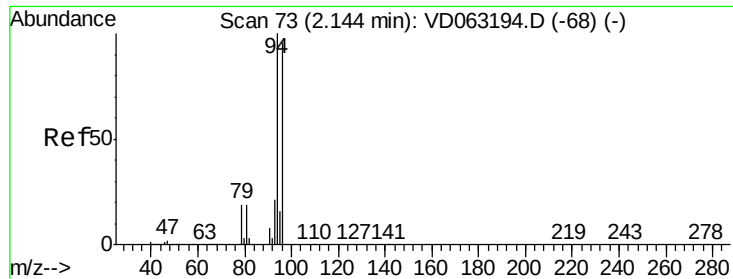
64 30.9 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 42.406 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

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ClientSampleId :

VSTDCCC050

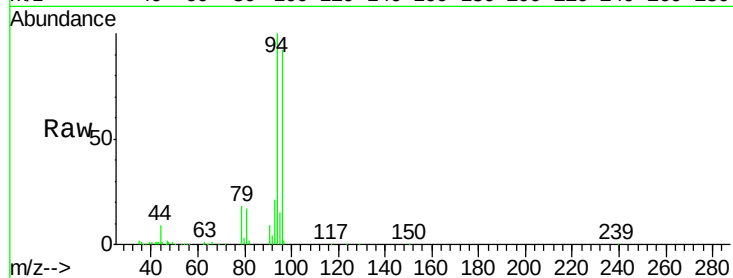
Tot Ion: 94 Resp: 250167

Ion Ratio Lower Upper

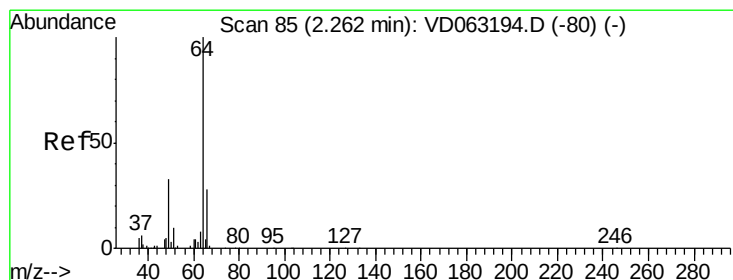
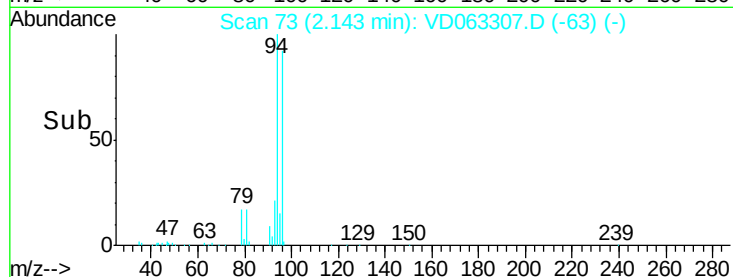
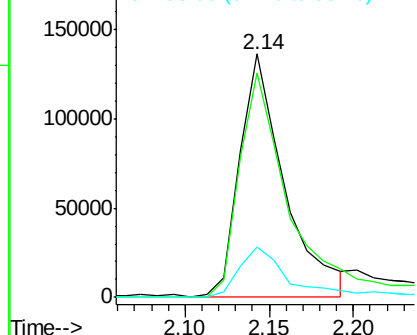
94 100

96 92.0 76.4 114.6

93 20.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.961 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063307.D

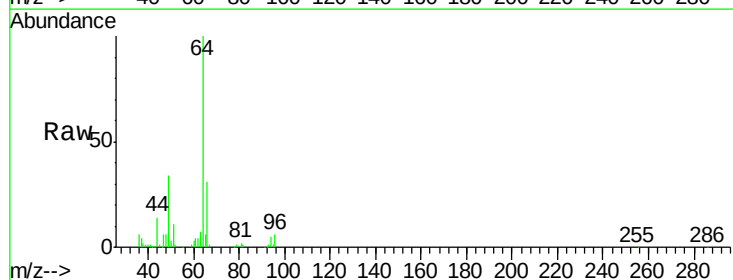
Acq: 2 Aug 2019 10:40

Tgt Ion: 64 Resp: 269815

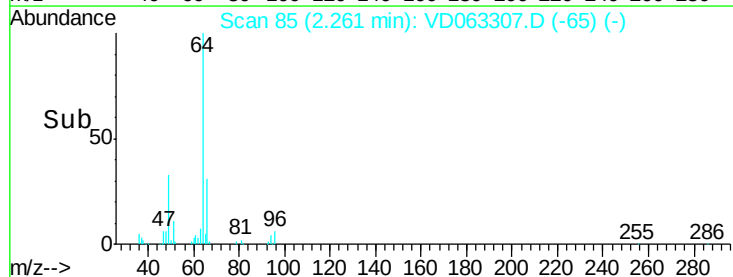
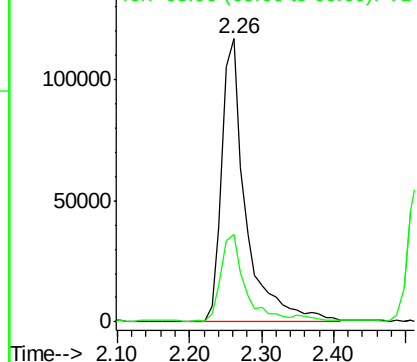
Ion Ratio Lower Upper

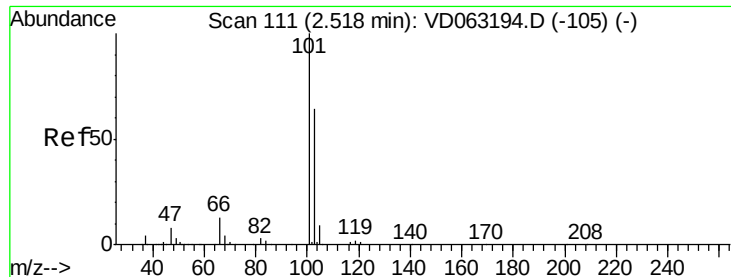
64 100

66 31.1 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 51.243 ug/l

RT: 2.52 min Scan# 111

Delta R.T. -0.00 min

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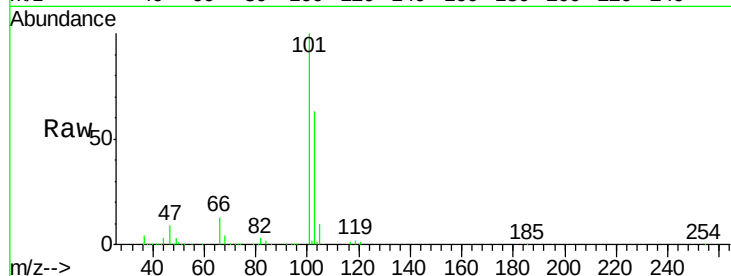
VSTDCCC050

Tot Ion:101 Resp: 1162838

Ion Ratio Lower Upper

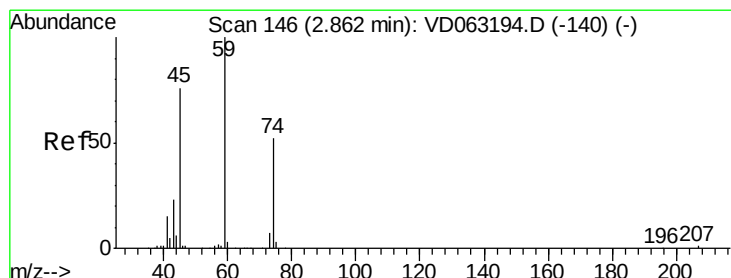
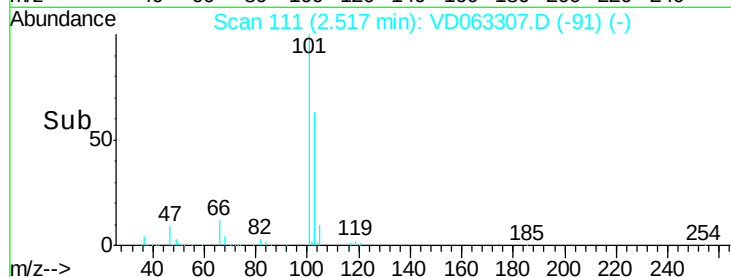
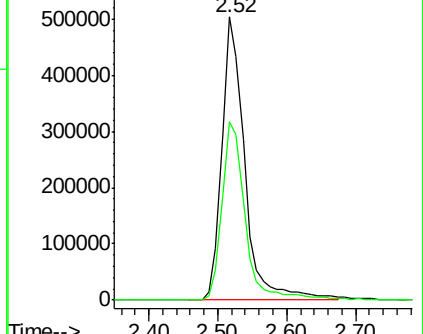
101 100

103 63.1 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 50.196 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD063307.D

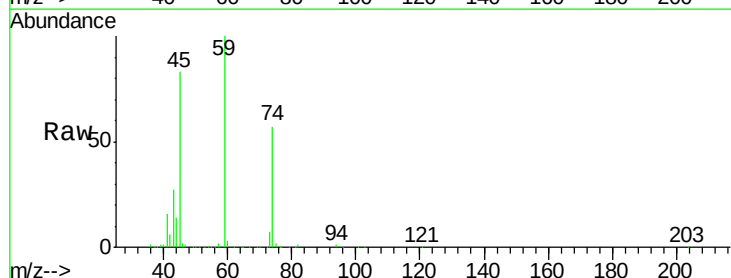
Acq: 2 Aug 2019 10:40

Tgt Ion: 74 Resp: 159415

Ion Ratio Lower Upper

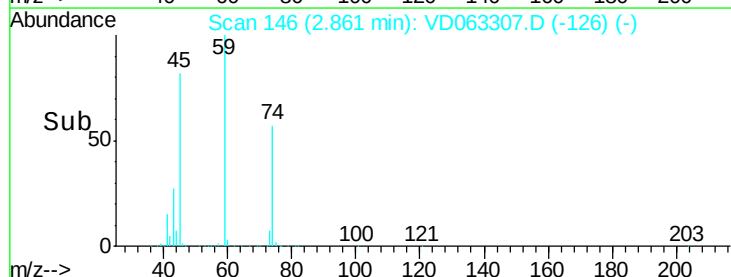
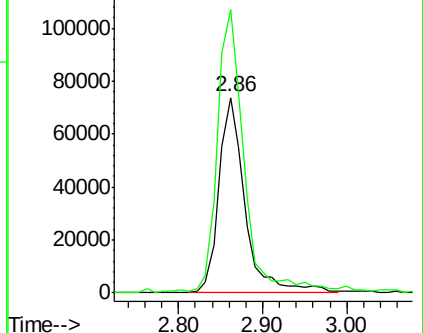
74 100

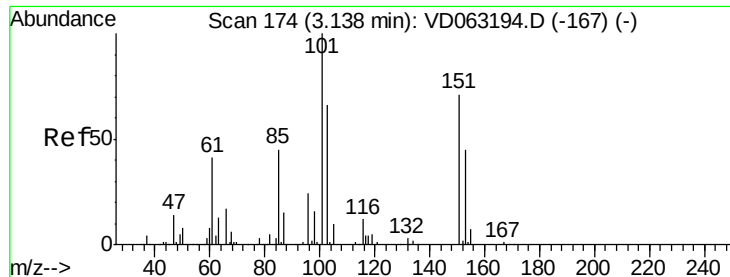
45 144.7 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.234 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

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VSTDCCC050

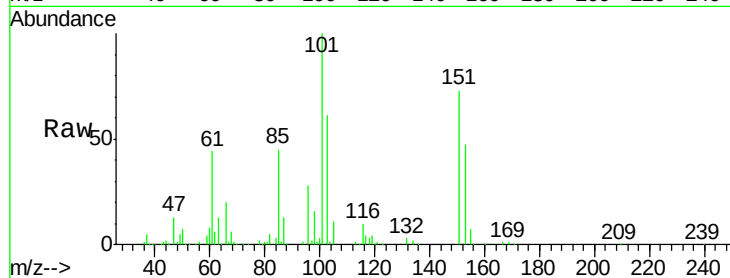
Tot Ion:101 Resp: 669158

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

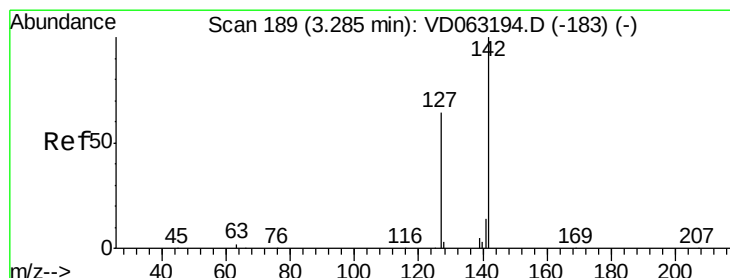
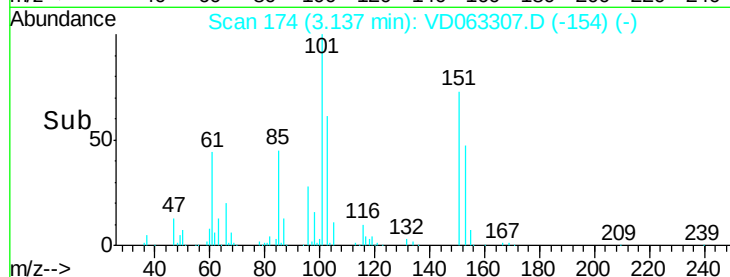
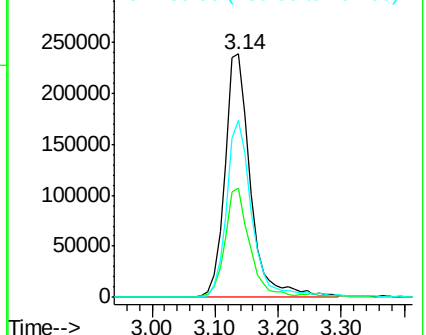
151 72.8 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.403 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

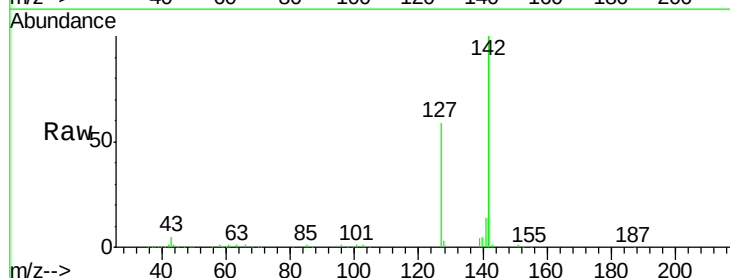
Tgt Ion:142 Resp: 915268

Ion Ratio Lower Upper

142 100

127 59.0 50.8 76.2

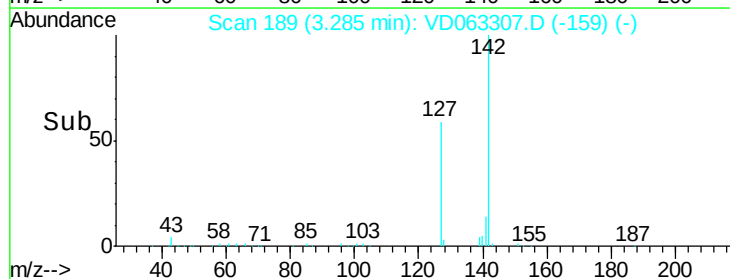
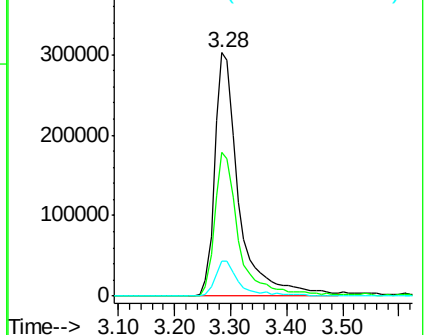
141 14.3 11.4 17.2

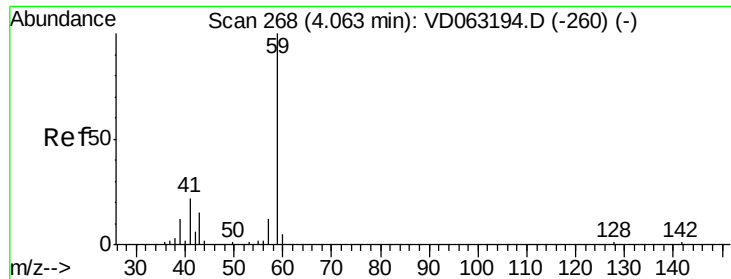


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



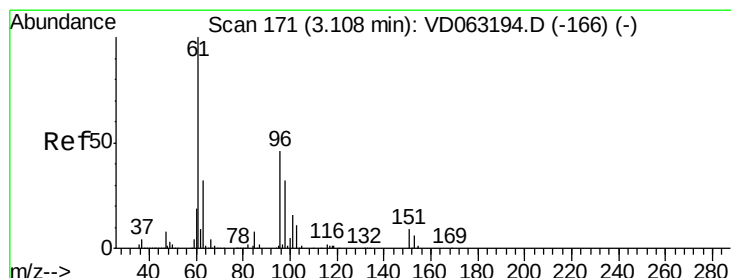
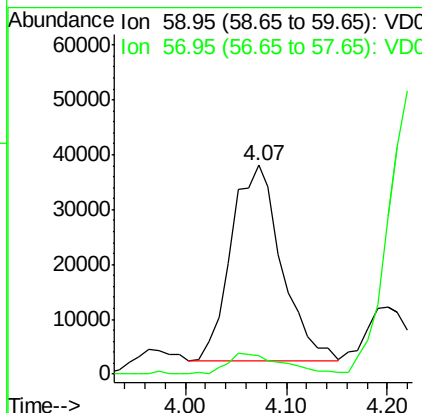
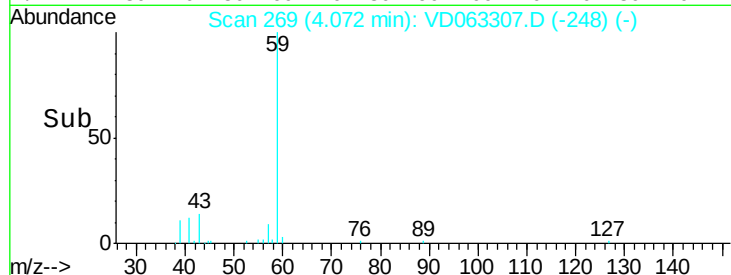
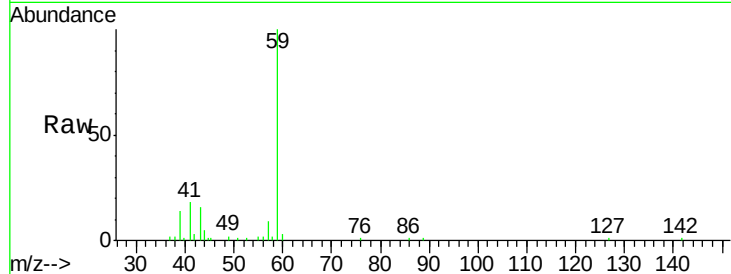


#11

Tert butyl alcohol
Concen: 212.928 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

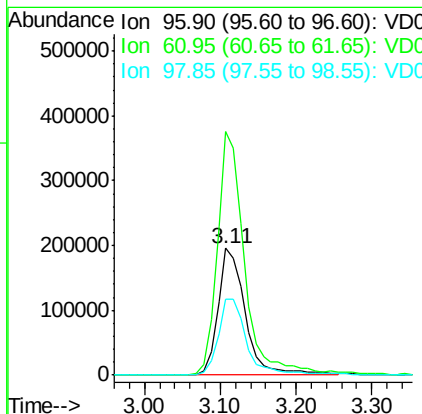
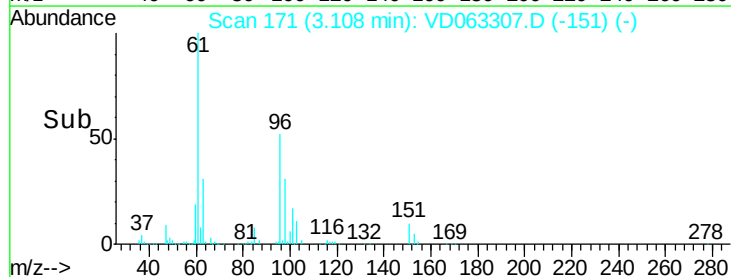
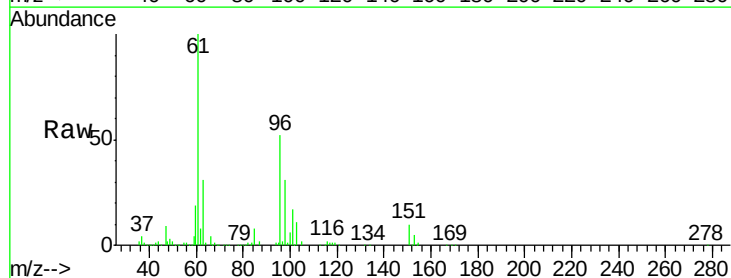
Tot Ion: 59 Resp: 123358
Ion Ratio Lower Upper
59 100
57 9.0 9.6 14.4#

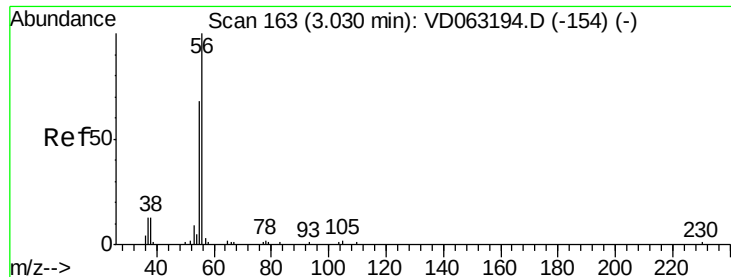


#12

1,1-Dichloroethene
Concen: 53.787 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 96 Resp: 496356
Ion Ratio Lower Upper
96 100
61 191.7 173.7 260.5
98 60.1 55.8 83.8





#13

Acrolein

Concen: 295.546 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

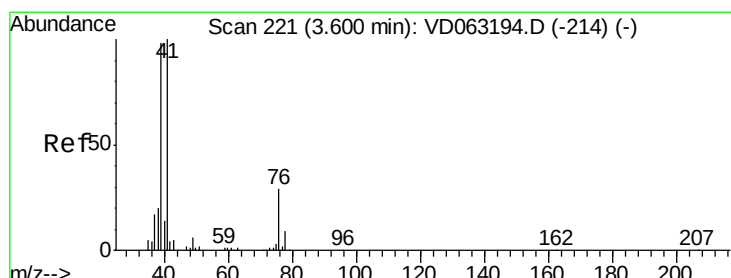
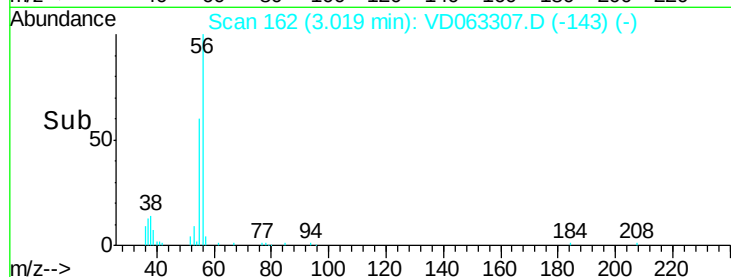
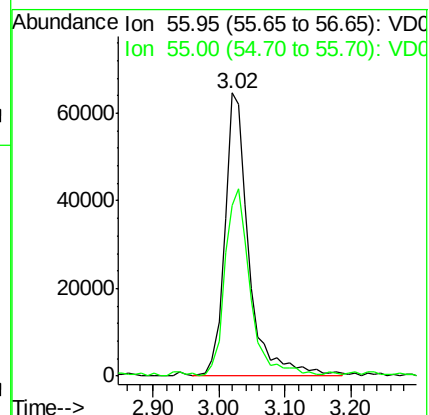
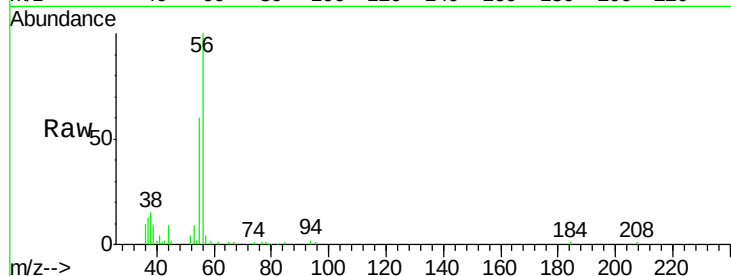
VSTDCCC050

Tot Ion: 56 Resp: 164785

Ion Ratio Lower Upper

56 100

55 60.2 55.3 82.9



#14

Allyl chloride

Concen: 49.895 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

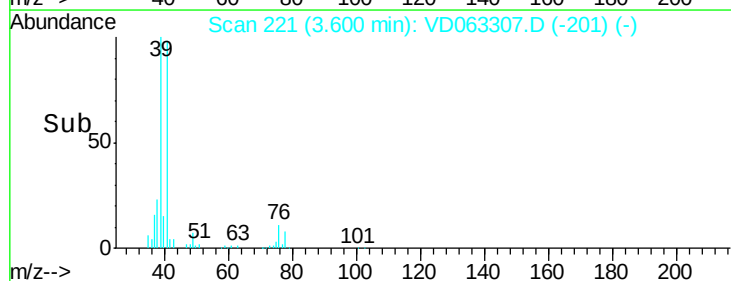
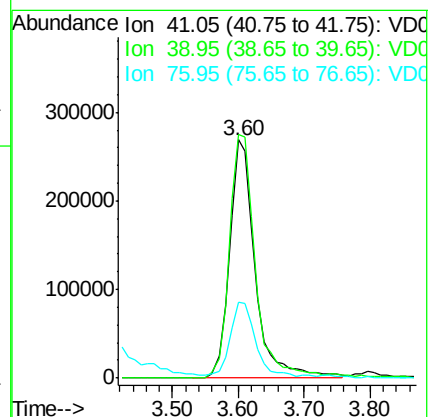
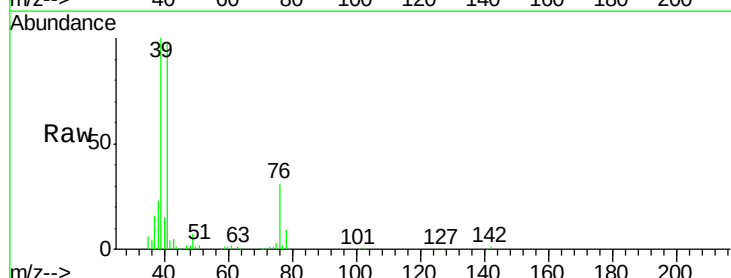
Tgt Ion: 41 Resp: 733495

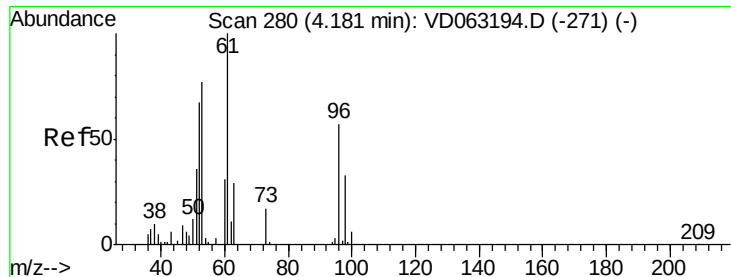
Ion Ratio Lower Upper

41 100

39 102.1 78.6 117.8

76 32.0 24.5 36.7





#15

Acrylonitrile

Concen: 250.445 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

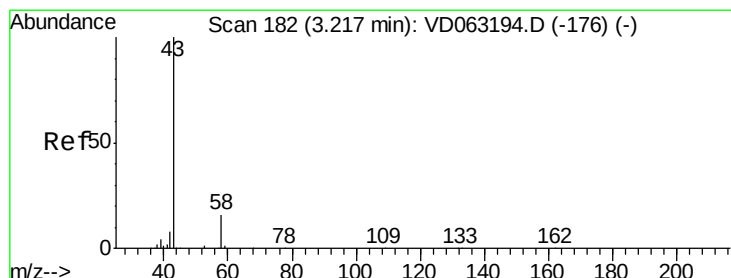
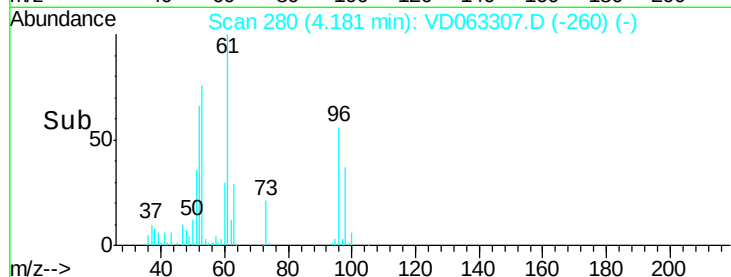
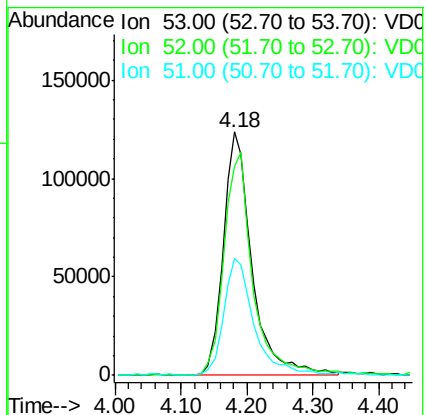
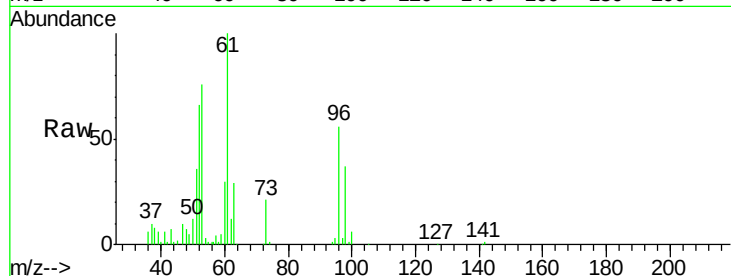
Tot Ion: 53 Resp: 376166

Ion Ratio Lower Upper

53 100

52 86.1 69.7 104.5

51 47.7 37.4 56.0



#16

Acetone

Concen: 298.830 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063307.D

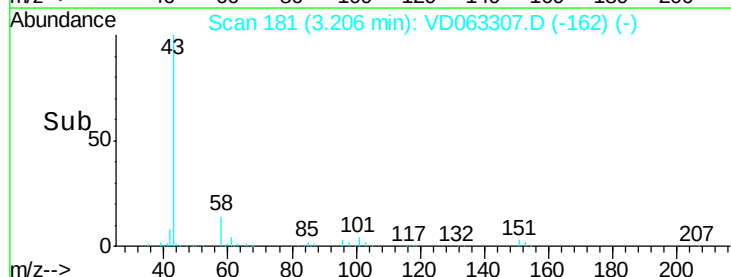
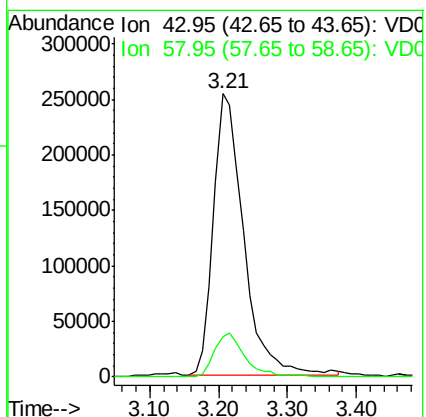
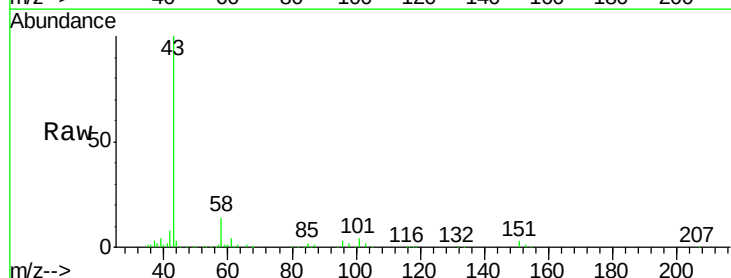
Acq: 2 Aug 2019 10:40

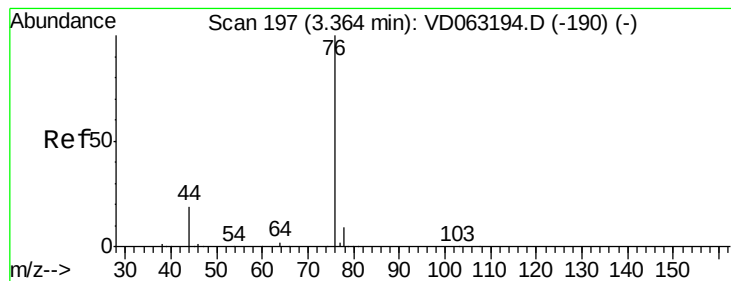
Tgt Ion: 43 Resp: 768636

Ion Ratio Lower Upper

43 100

58 14.1 13.0 19.4





#17

Carbon Disulfide

Concen: 49.740 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

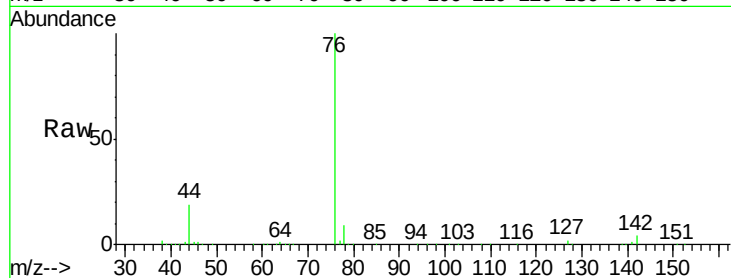
VSTDCCC050

Tot Ion: 76 Resp: 1536354

Ion Ratio Lower Upper

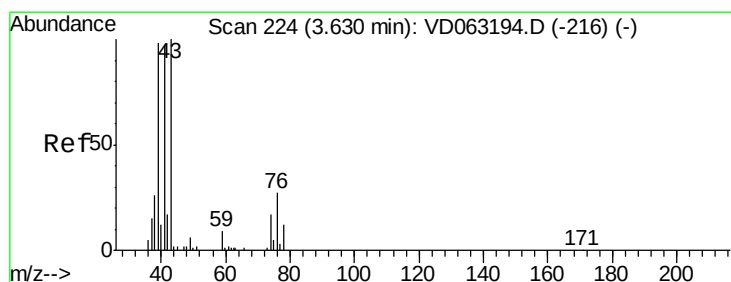
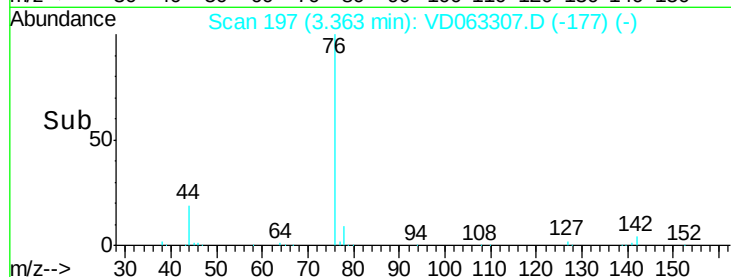
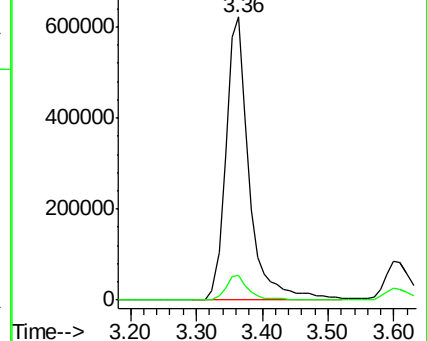
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.570 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063307.D

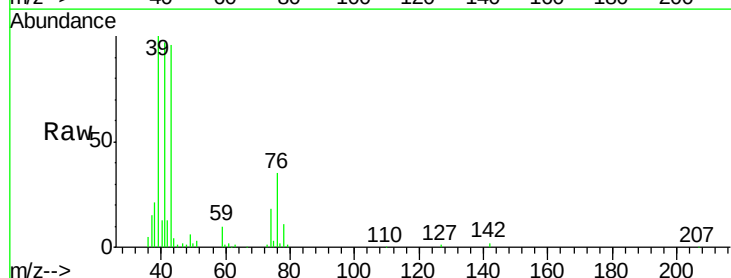
Acq: 2 Aug 2019 10:40

Tgt Ion: 43 Resp: 230086

Ion Ratio Lower Upper

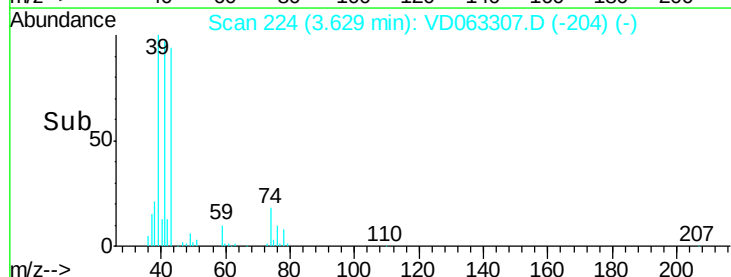
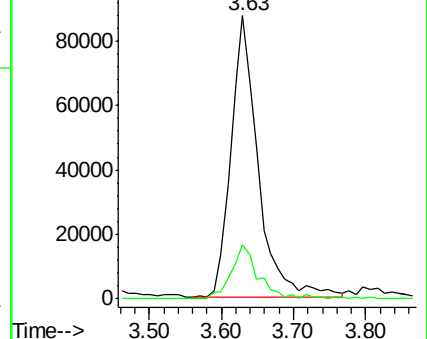
43 100

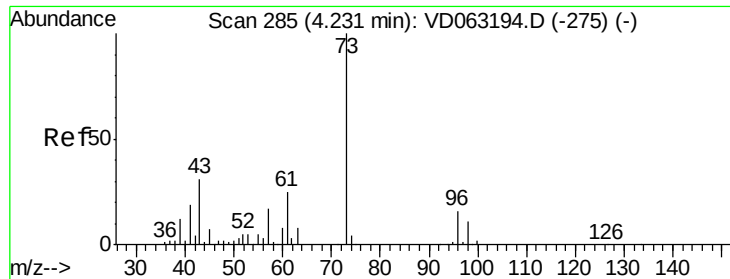
74 19.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

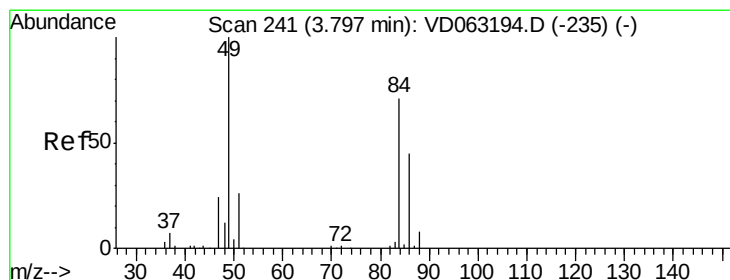
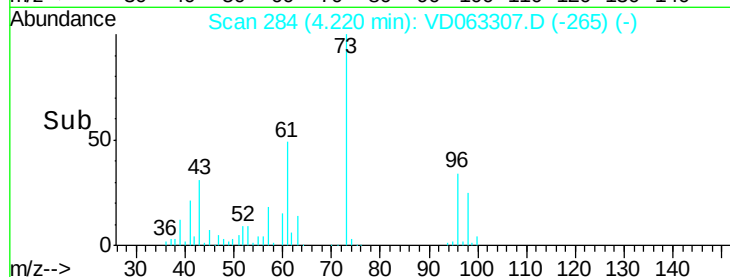
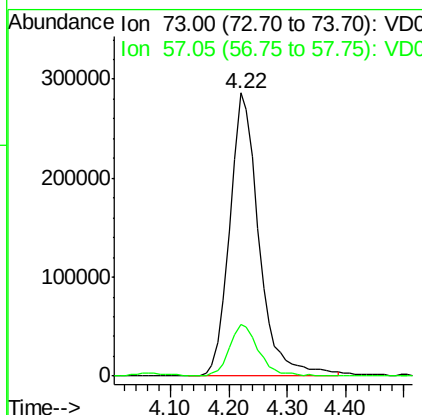
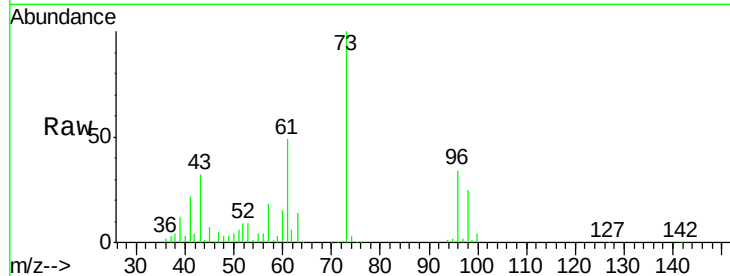




#19
Methyl tert-butyl Ether
Concen: 48.092 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

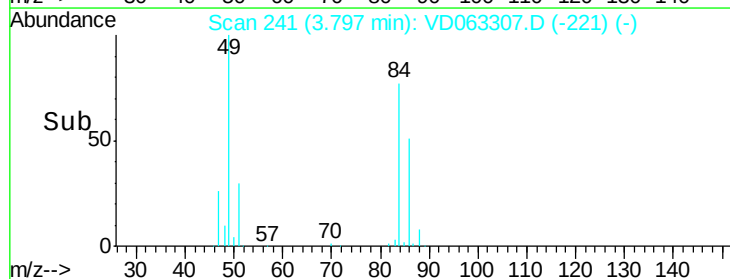
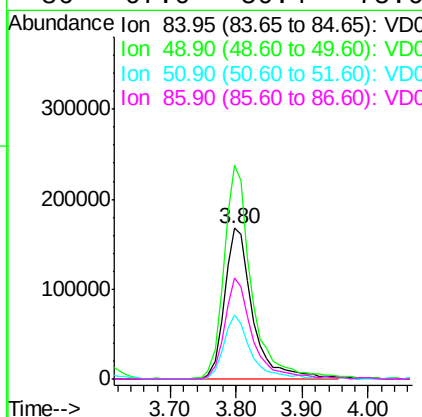
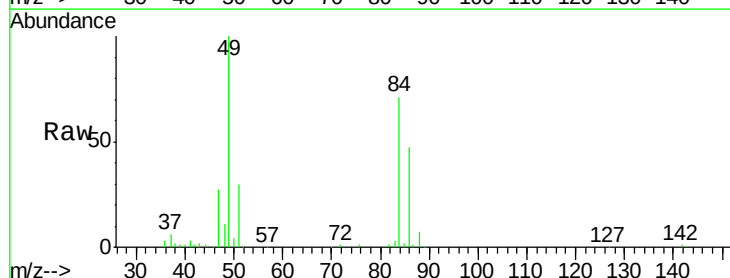
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

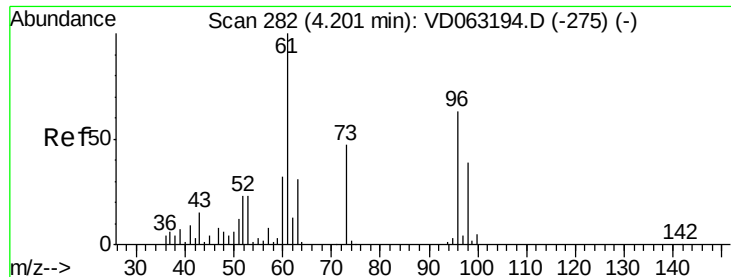
Tot Ion: 73 Resp: 1002489
Ion Ratio Lower Upper
73 100
57 18.0 13.8 20.6



#20
Methylene Chloride
Concen: 48.431 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 84 Resp: 503529
Ion Ratio Lower Upper
84 100
49 141.8 112.5 168.7
51 42.9 29.6 44.4
86 67.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.024 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

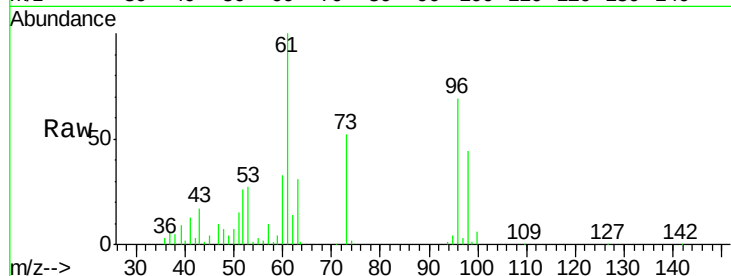
Tot Ion: 96 Resp: 538672

Ion Ratio Lower Upper

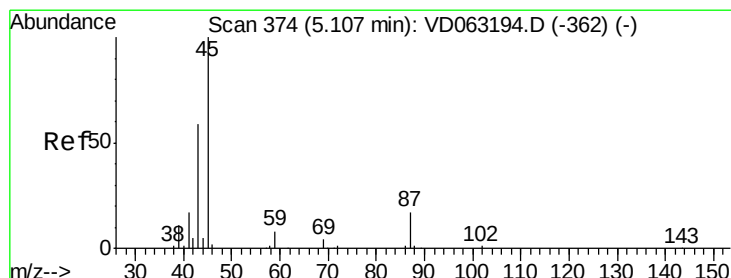
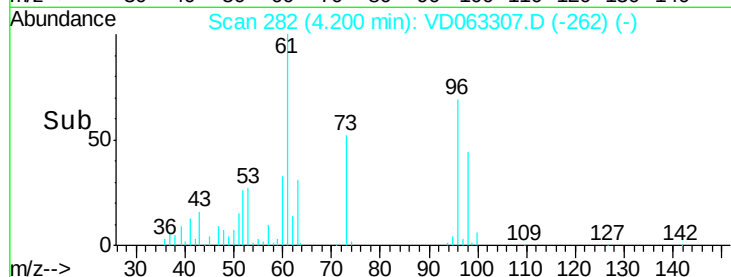
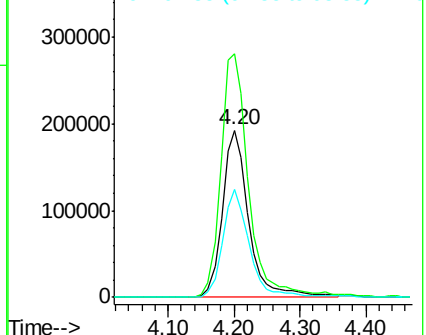
96 100

61 145.8 127.4 191.2

98 64.7 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.027 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Tgt Ion: 45 Resp: 1498681

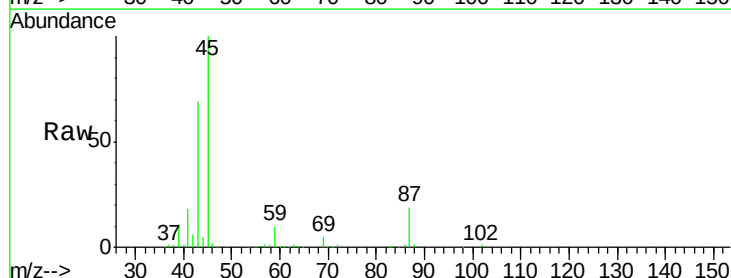
Ion Ratio Lower Upper

45 100

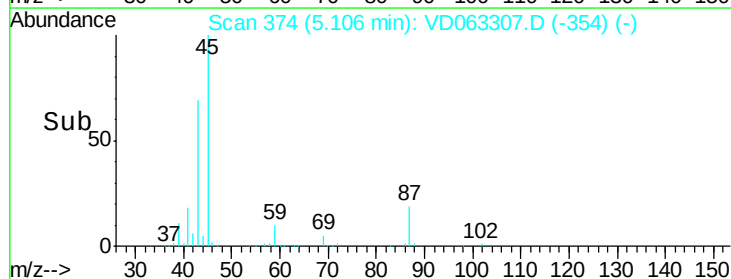
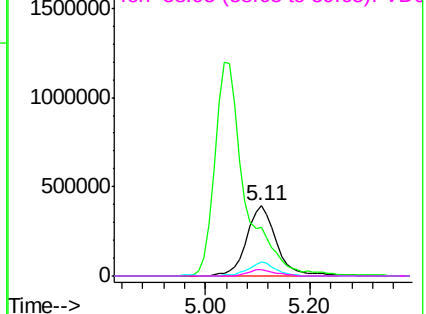
43 69.1 51.7 77.5

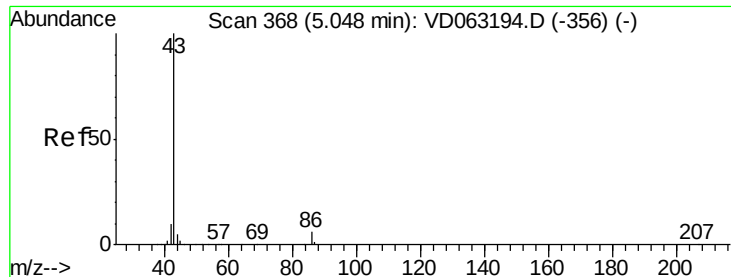
87 19.3 14.6 21.8

59 10.0 6.6 10.0#



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 262.939 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

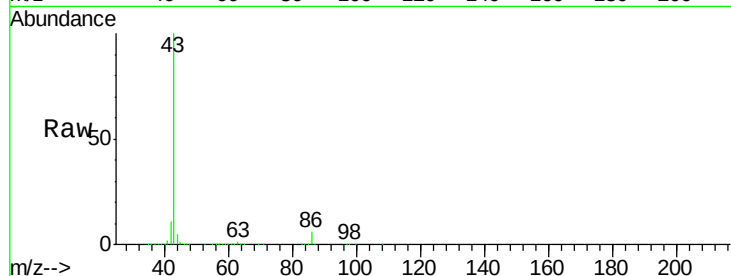
VSTDCCC050

Tot Ion: 43 Resp: 4747140

Ion Ratio Lower Upper

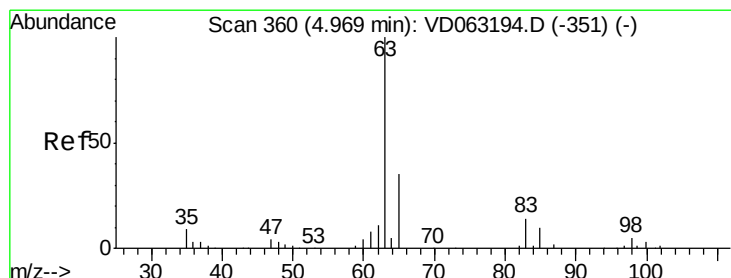
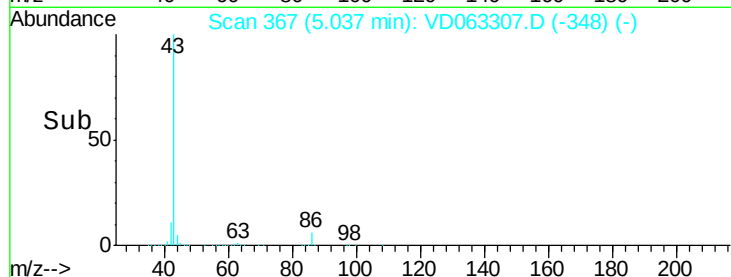
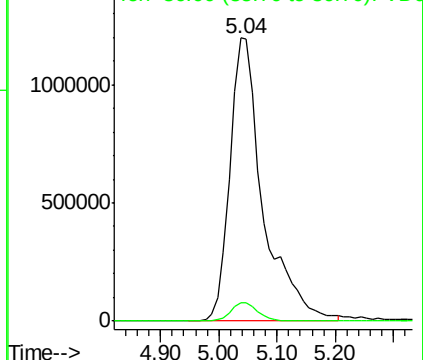
43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.455 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

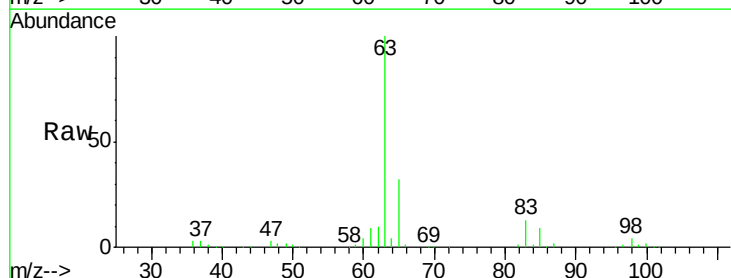
Tgt Ion: 63 Resp: 946565

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

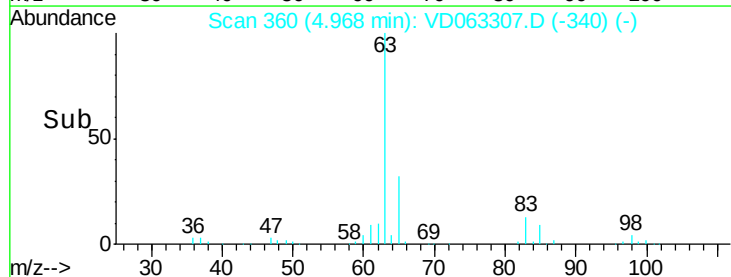
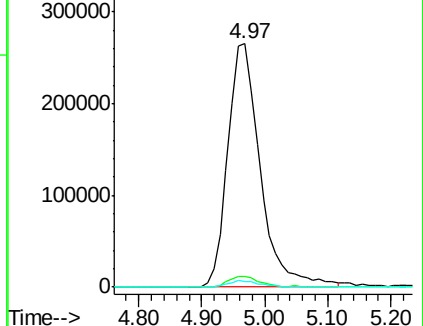
100 2.4 1.3 3.9

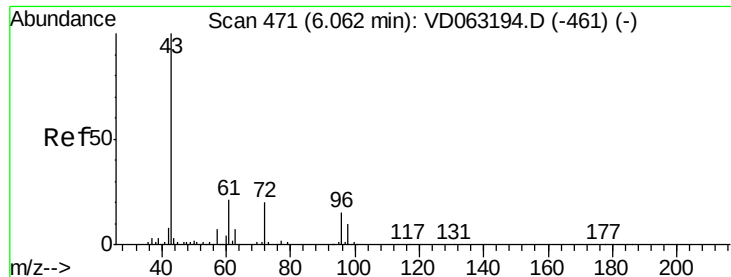


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 253.518 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

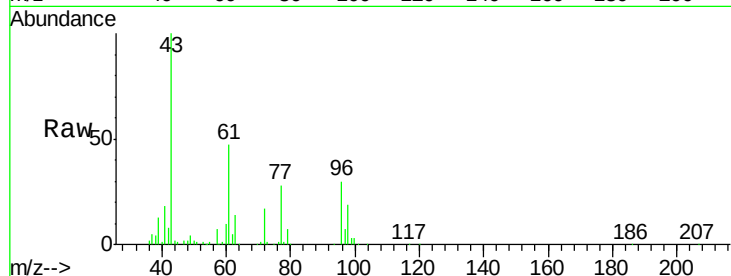
VSTDCCC050

Tot Ion: 43 Resp: 654424

Ion Ratio Lower Upper

43 100

72 17.4 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

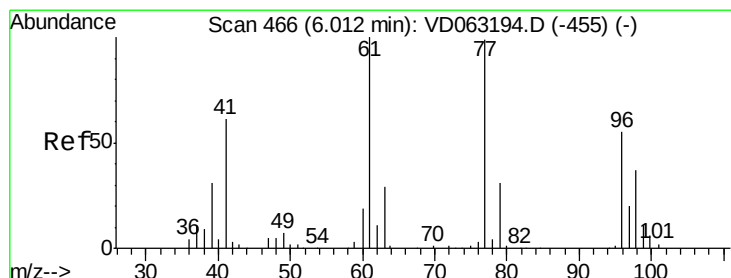
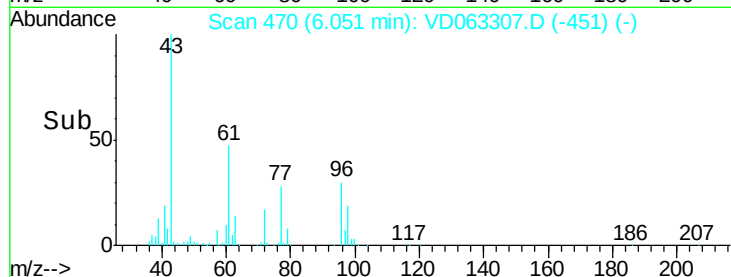
100000

50000

0

6.05

Time-->



#26

2,2-Dichloropropane

Concen: 53.908 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063307.D

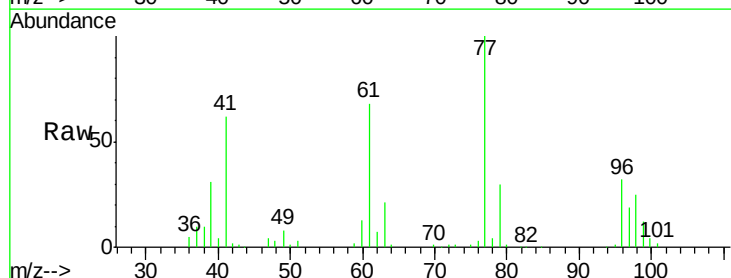
Acq: 2 Aug 2019 10:40

Tgt Ion: 77 Resp: 1042237

Ion Ratio Lower Upper

77 100

97 18.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

300000

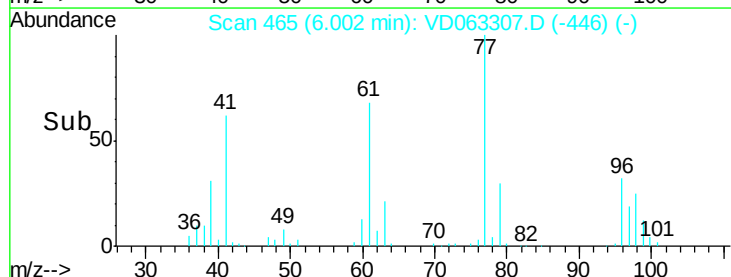
200000

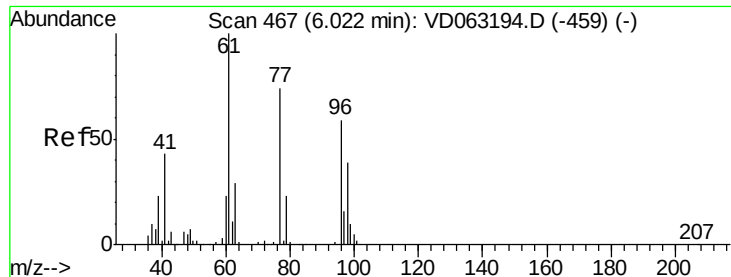
100000

0

6.00

Time-->



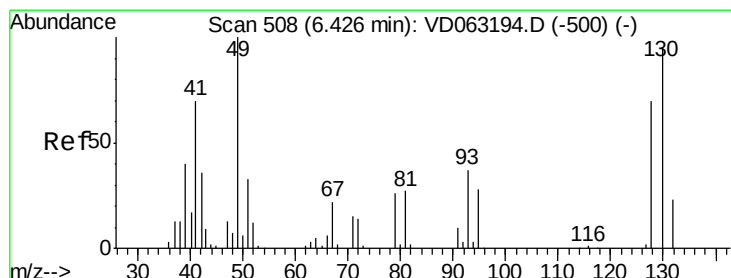
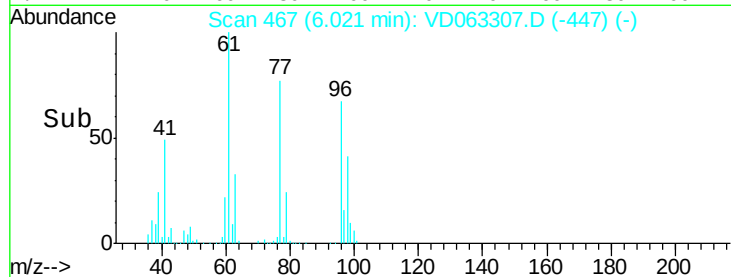
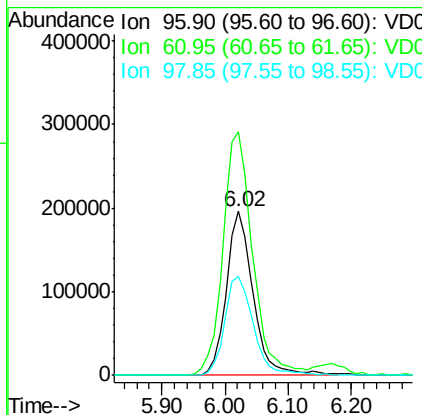
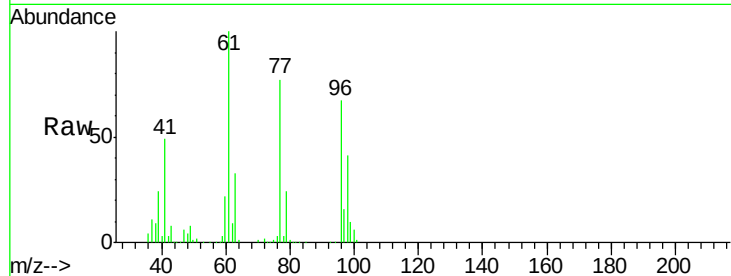


#27

cis-1,2-Dichloroethene
 Concen: 52.006 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

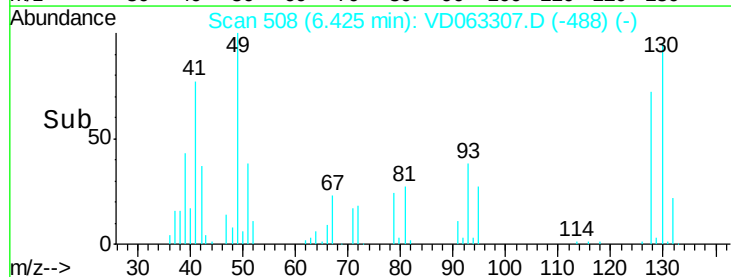
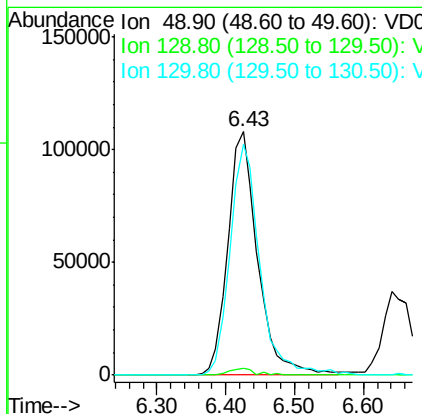
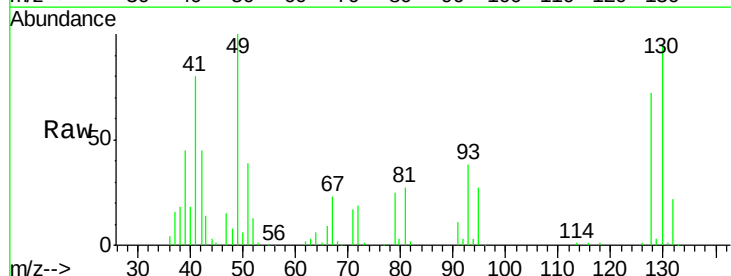
Tot Ion: 96 Resp: 577340
 Ion Ratio Lower Upper
 96 100
 61 148.7 0.0 337.2
 98 60.5 0.0 130.6

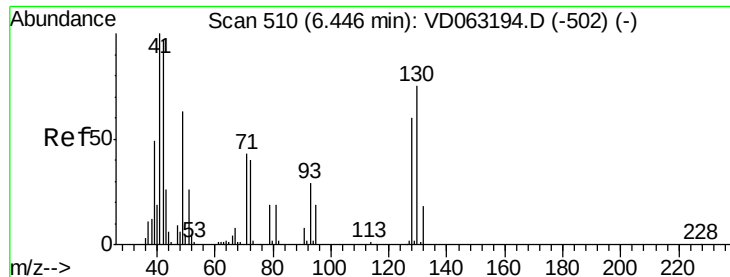


#28

Bromochloromethane
 Concen: 43.284 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion: 49 Resp: 323535
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 0.0#
 130 94.7 75.7 113.5





#29

Tetrahydrofuran

Concen: 259.187 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

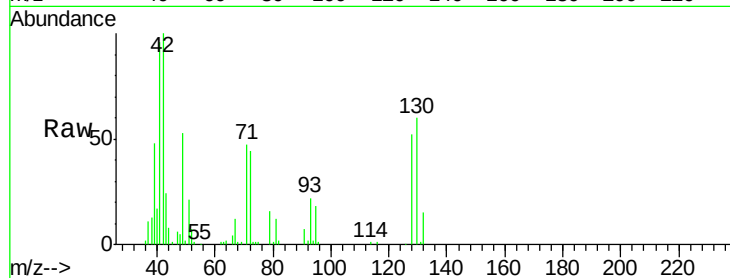
Tot Ion: 42 Resp: 316765

Ion Ratio Lower Upper

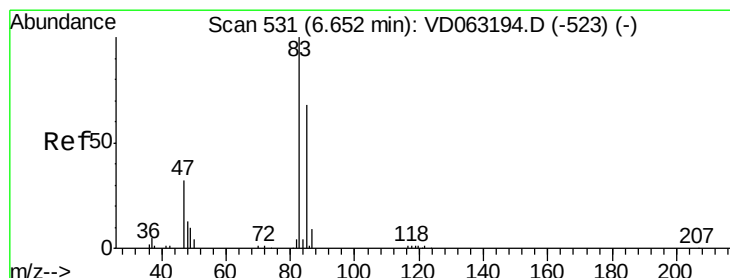
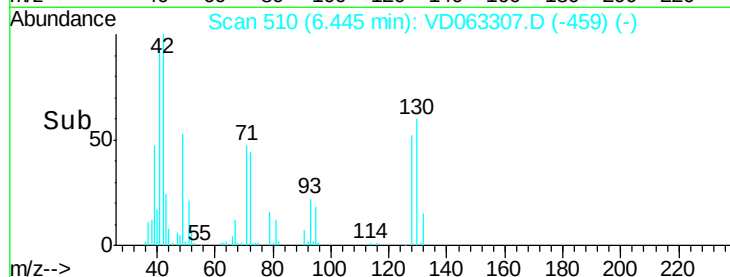
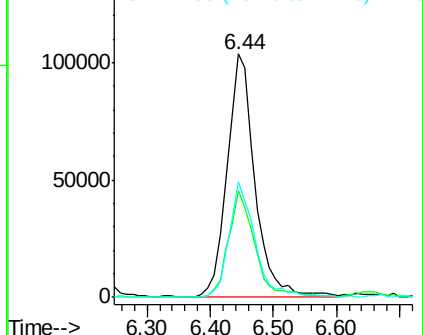
42 100

72 41.3 33.4 50.2

71 44.1 35.7 53.5



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: 48.758 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063307.D

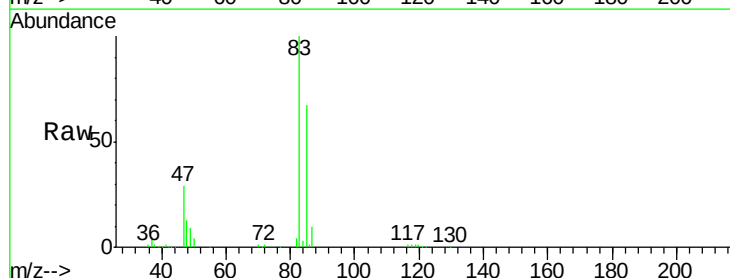
Acq: 2 Aug 2019 10:40

Tgt Ion: 83 Resp: 1135189

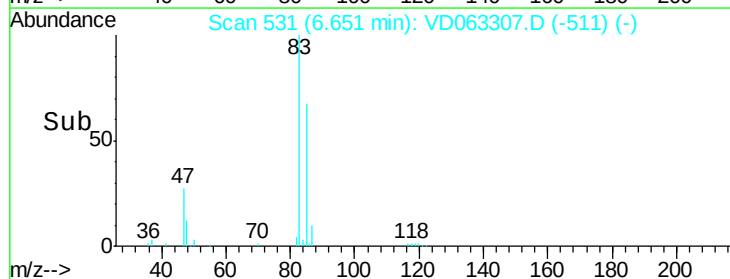
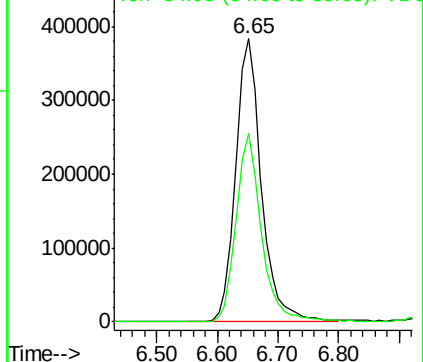
Ion Ratio Lower Upper

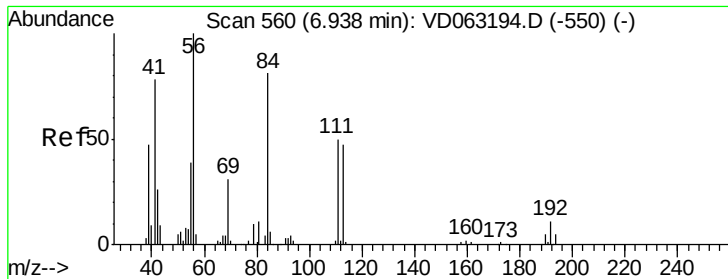
83 100

85 66.8 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

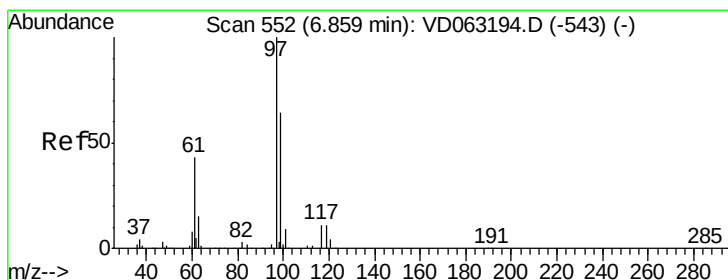
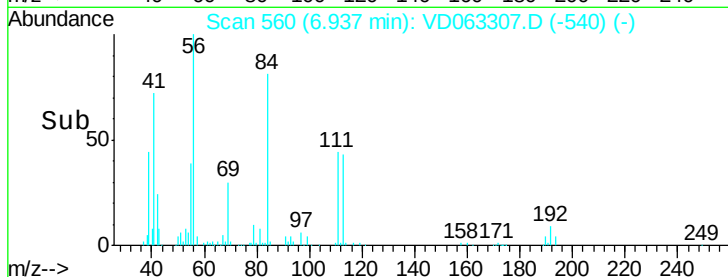
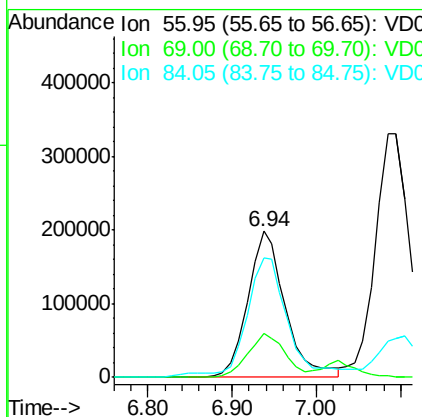
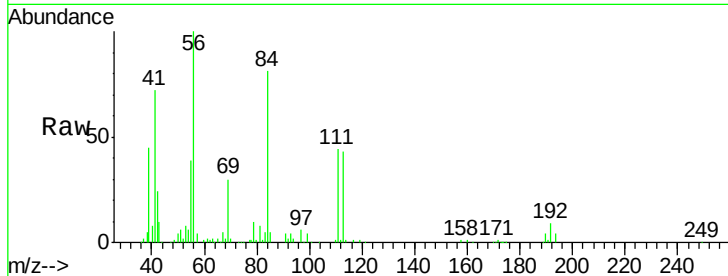




#31
Cyclohexane
Concen: 52.588 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

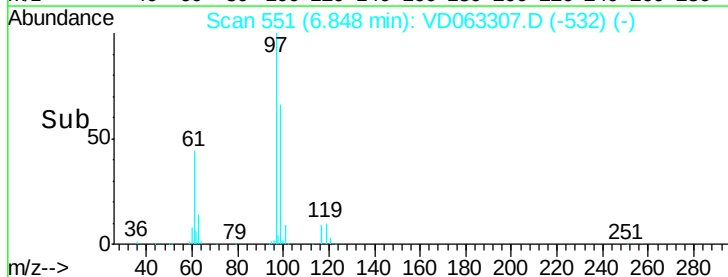
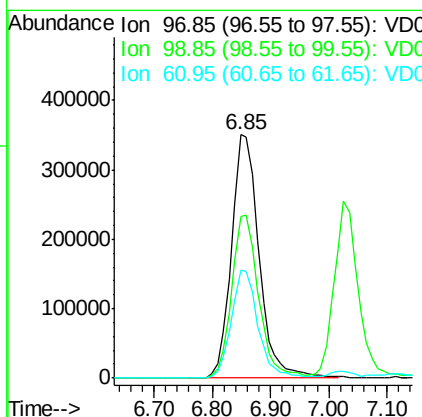
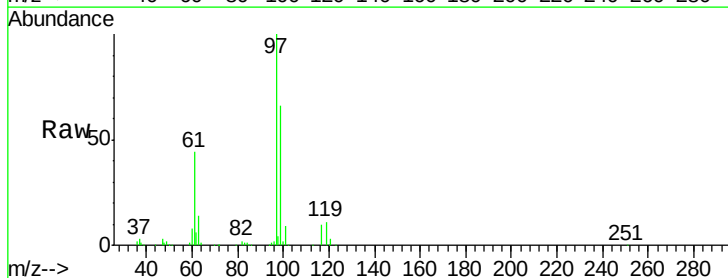
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

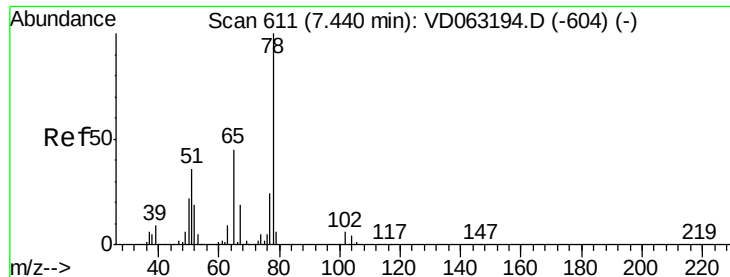
Tot Ion: 56 Resp: 618400
Ion Ratio Lower Upper
56 100
69 30.4 24.5 36.7
84 81.4 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 51.355 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 97 Resp: 1156508
Ion Ratio Lower Upper
97 100
99 66.4 51.2 76.8
61 44.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.018 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

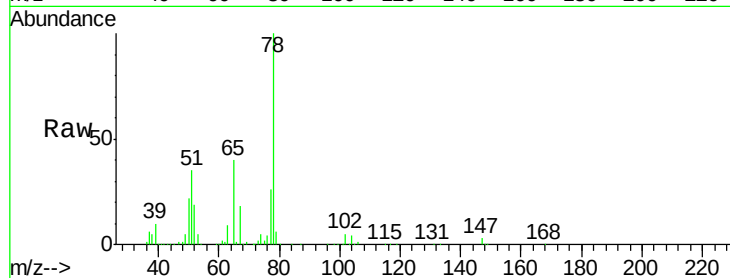
VSTDCCC050

Tot Ion: 65 Resp: 647111

Ion Ratio Lower Upper

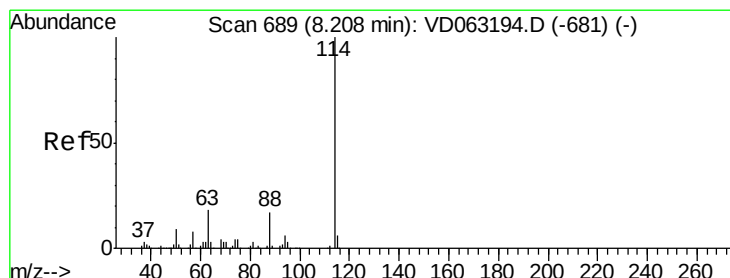
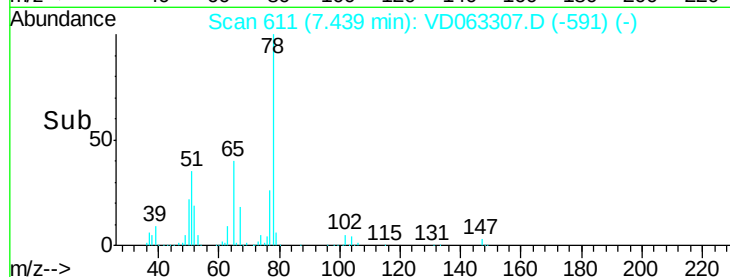
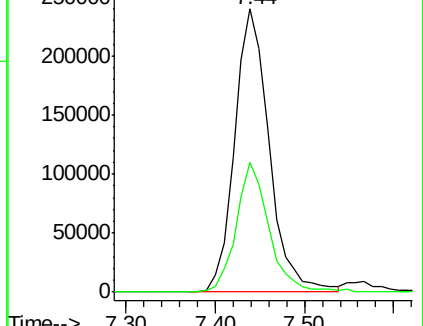
65 100

67 45.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

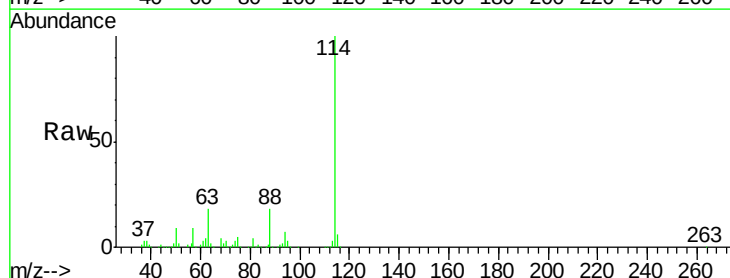
Tgt Ion: 114 Resp: 1590590

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

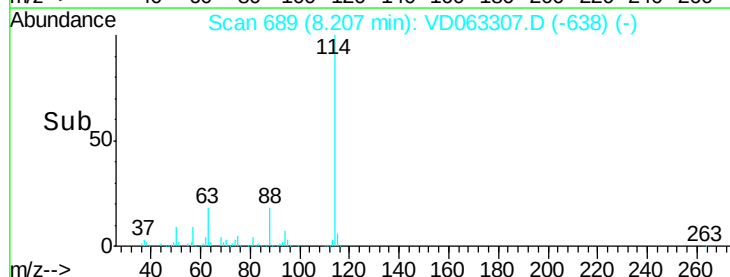
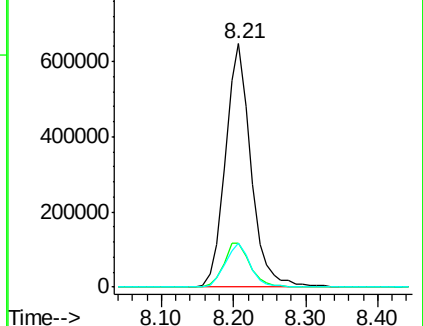
88 17.8 0.0 34.6

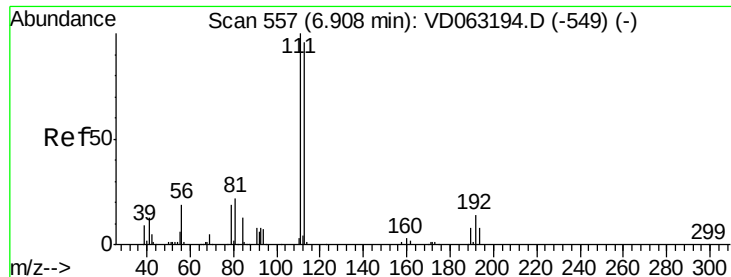


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

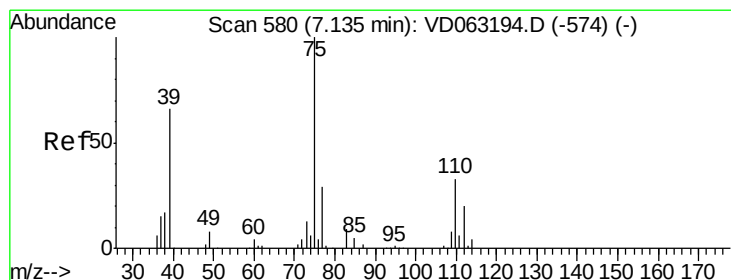
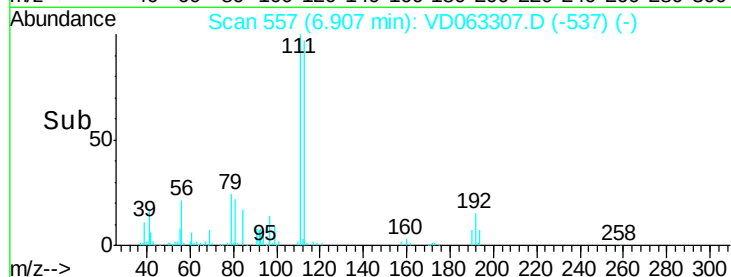
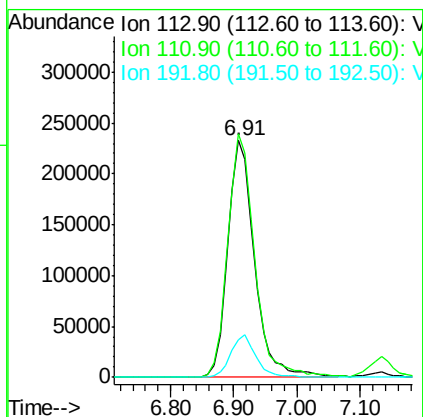
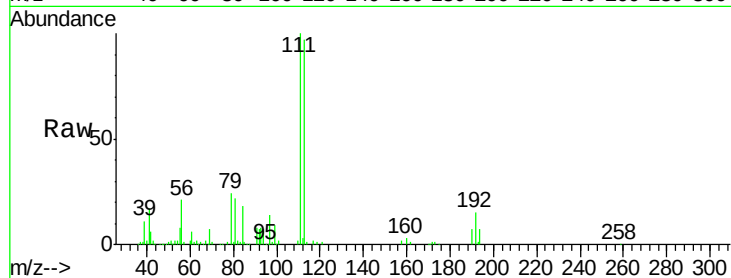




#35
 Dibromofluoromethane
 Concen: 50.050 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

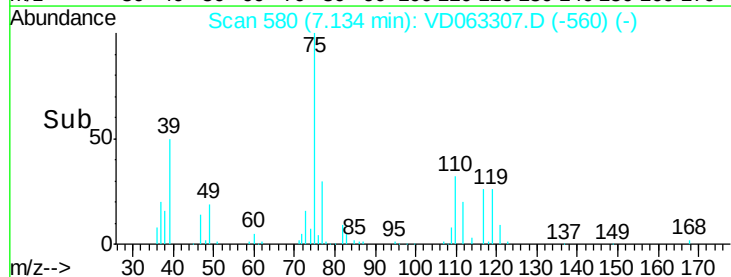
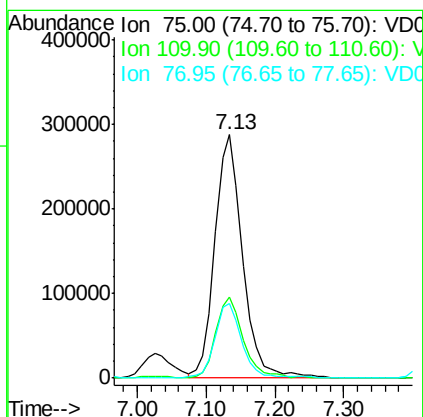
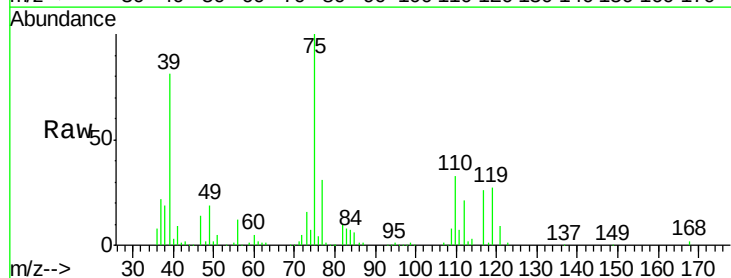
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

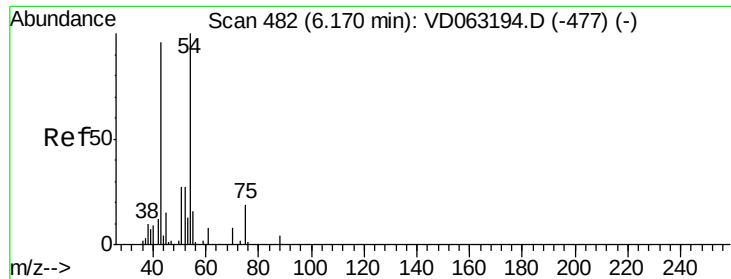
Tot Ion:113 Resp: 679687
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.2 124.8
 192 15.7 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 54.718 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion: 75 Resp: 794299
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.1 48.2
 77 30.7 22.7 34.1

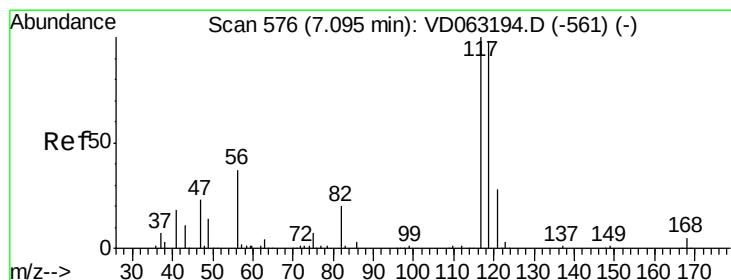
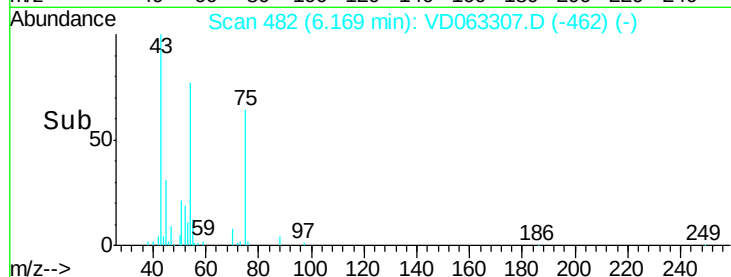
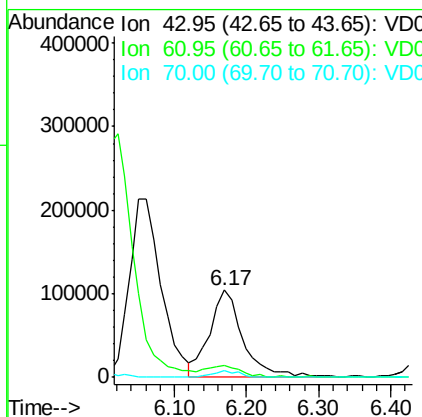
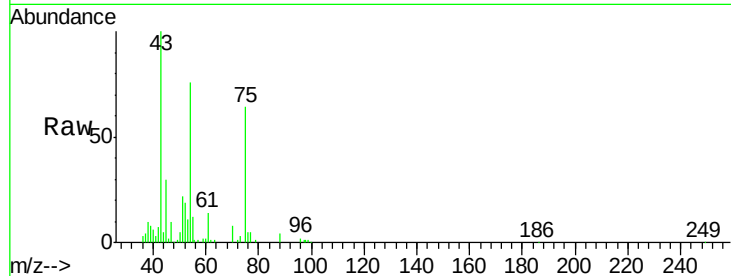




#37
Ethyl Acetate
Concen: 49.364 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

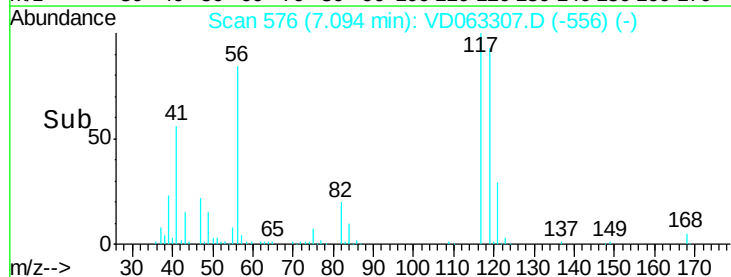
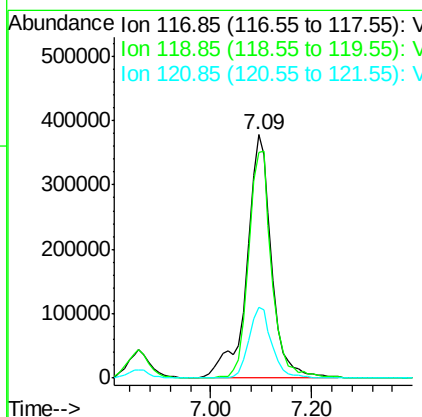
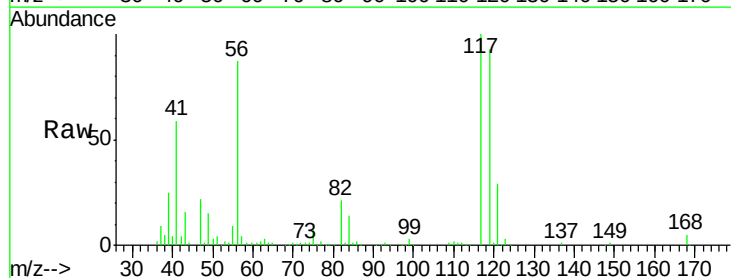
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

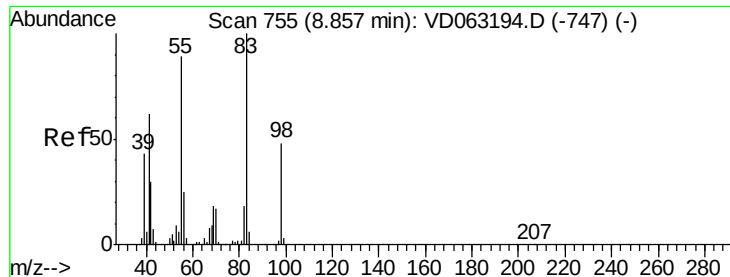
Tot Ion: 43 Resp: 321932
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 7.7 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 59.254 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 117 Resp: 1294900
Ion Ratio Lower Upper
117 100
119 92.6 78.2 117.2
121 29.2 22.1 33.1

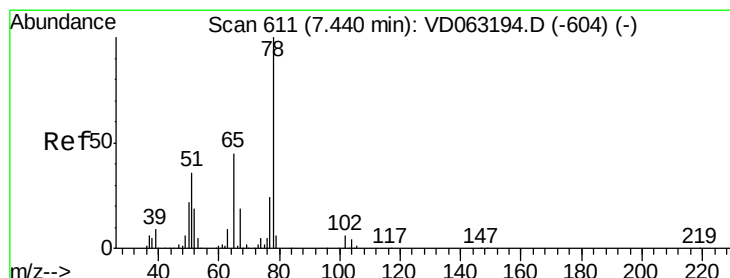
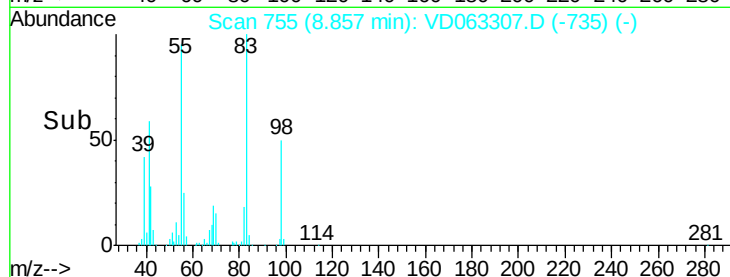
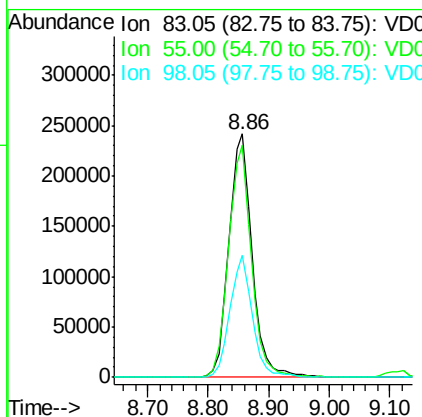
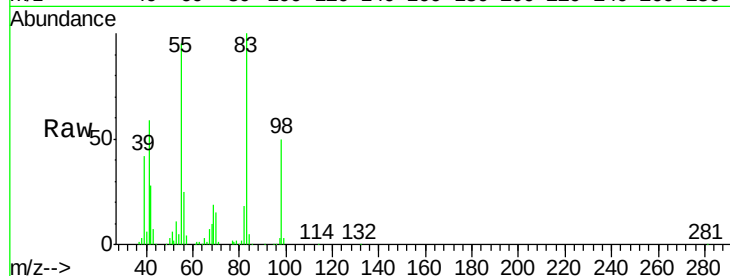




#39
Methylvlcyclohexane
Concen: 53.168 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

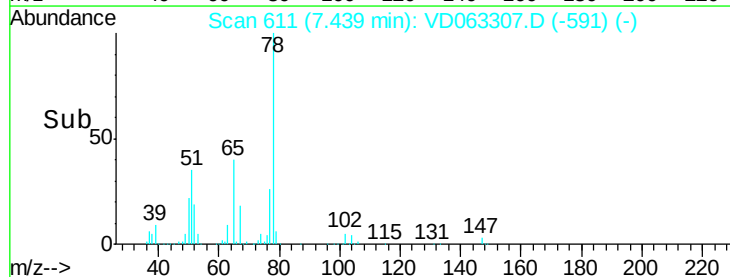
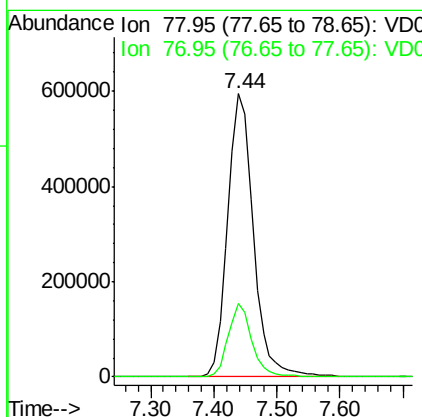
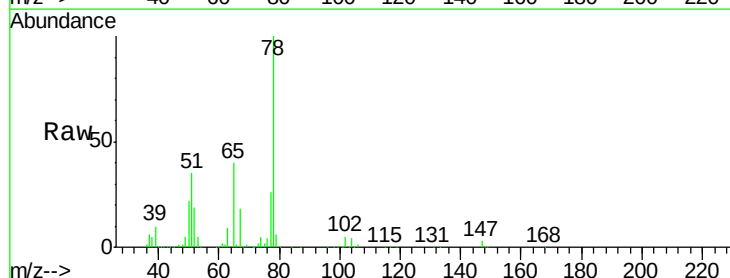
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

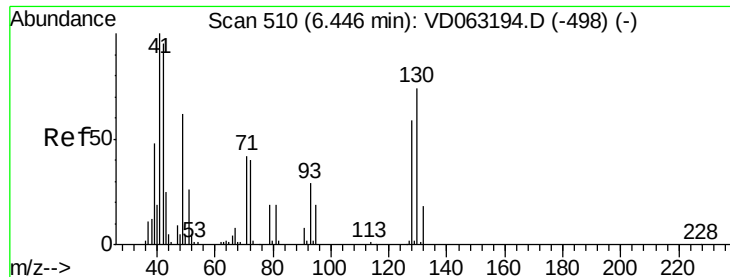
Tot Ion: 83 Resp: 643030
Ion Ratio Lower Upper
83 100
55 95.3 71.1 106.7
98 50.2 38.5 57.7



#40
Benzene
Concen: 55.142 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 78 Resp: 1677604
Ion Ratio Lower Upper
78 100
77 25.8 19.4 29.2

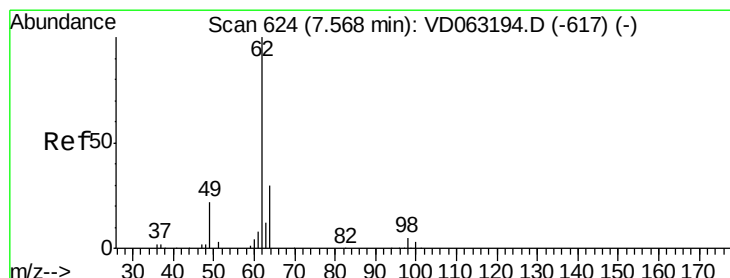
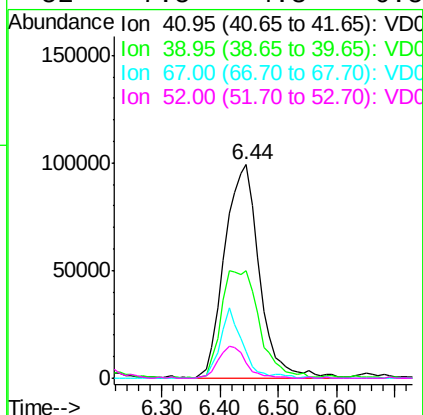
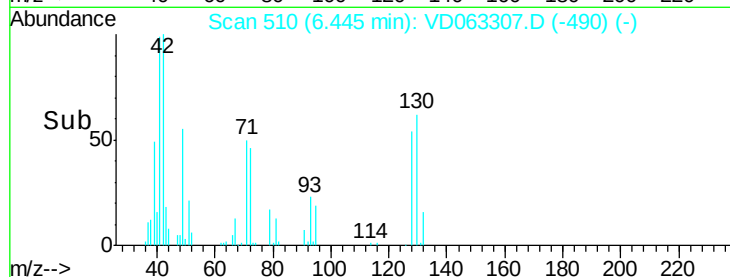
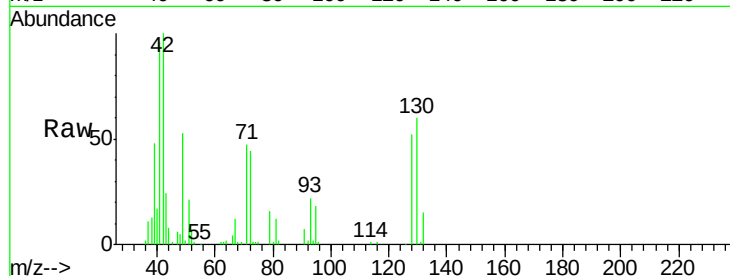




#41
Methacrylonitrile
Concen: 52.485 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

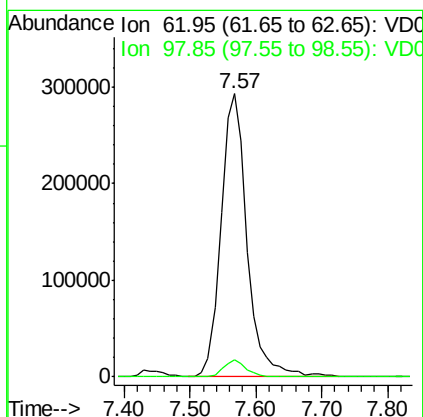
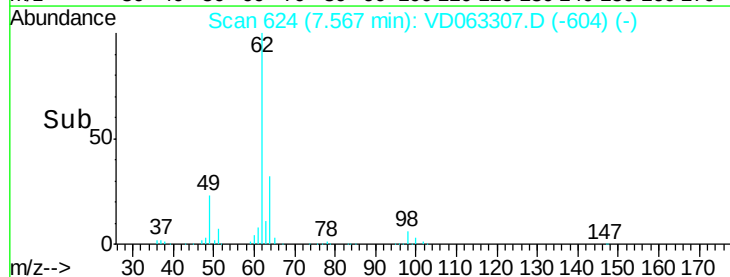
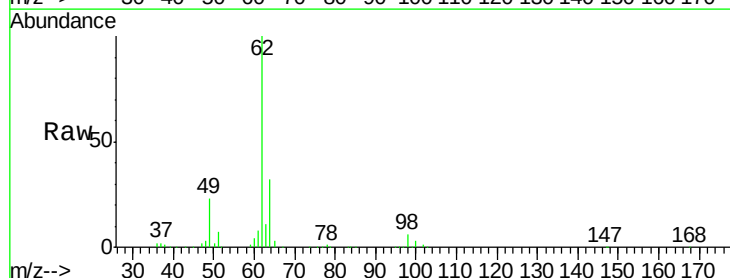
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

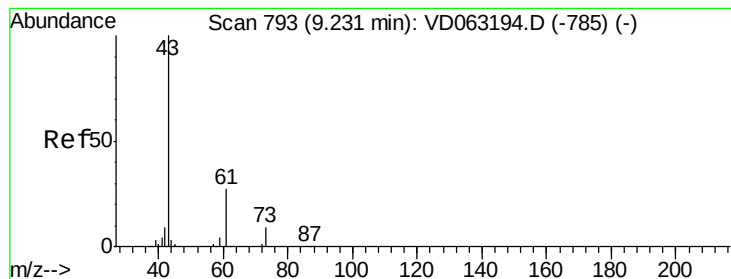
Tot Ion: 41 Resp: 409439
Ion Ratio Lower Upper
41 100
39 50.5 38.4 57.6
67 12.6 6.7 10.1#
52 7.5 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 50.141 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 62 Resp: 808459
Ion Ratio Lower Upper
62 100
98 6.2 0.0 9.8





#43

Isopropyl Acetate

Concen: 53.350 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

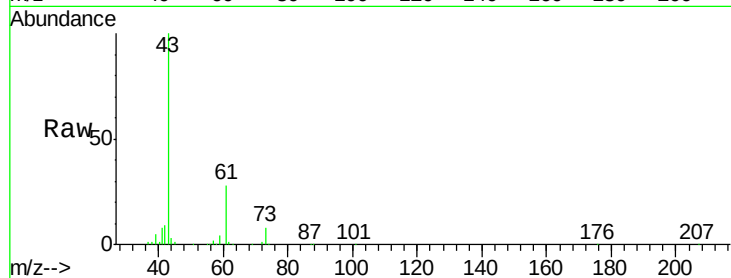
Tot Ion: 43 Resp: 444435

Ion Ratio Lower Upper

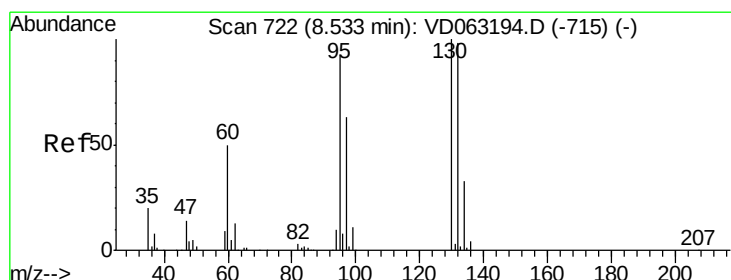
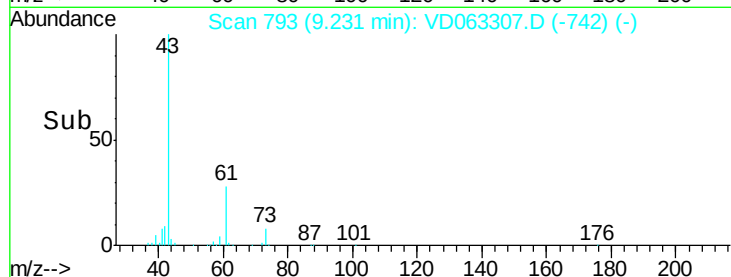
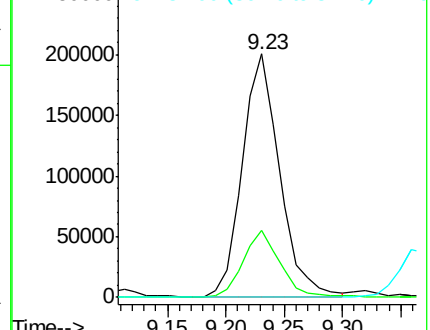
43 100

61 27.7 21.4 32.0

87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.861 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063307.D

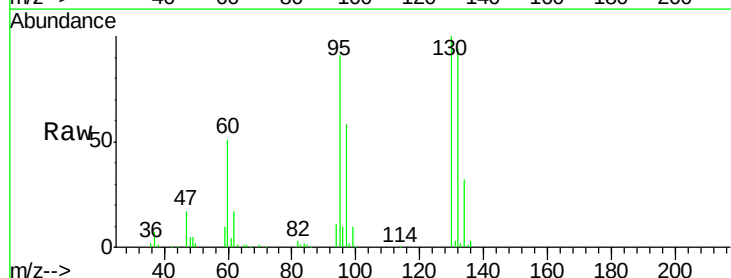
Acq: 2 Aug 2019 10:40

Tgt Ion:130 Resp: 627005

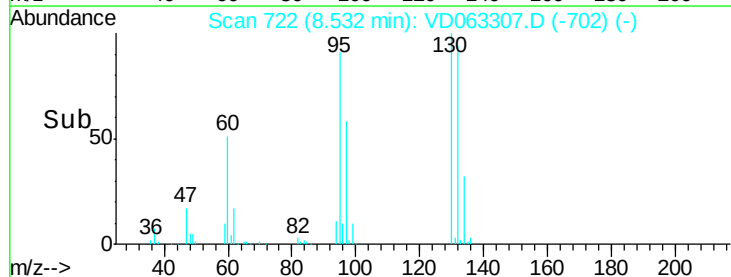
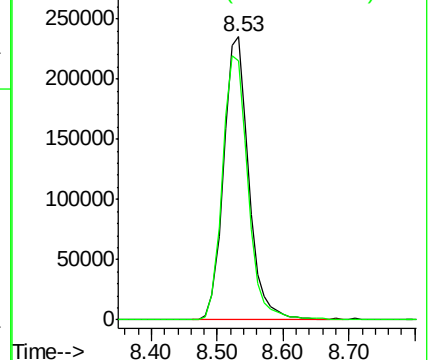
Ion Ratio Lower Upper

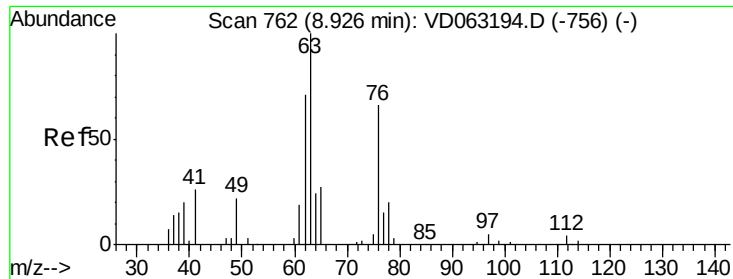
130 100

95 91.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.554 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

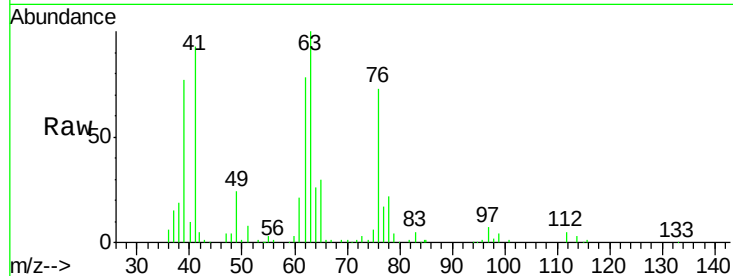
VSTDCCC050

Tot Ion: 63 Resp: 390922

Ion Ratio Lower Upper

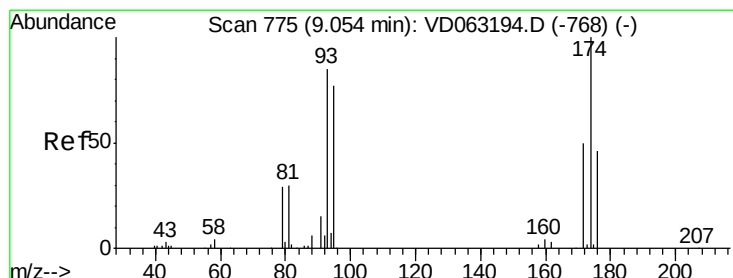
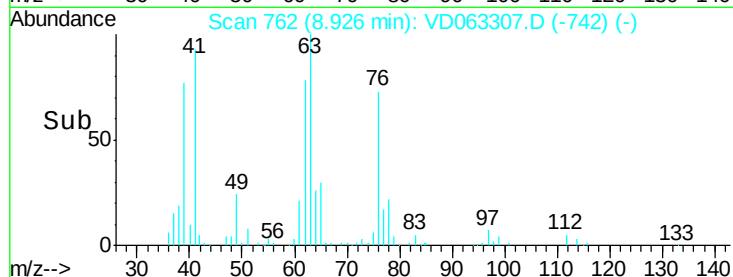
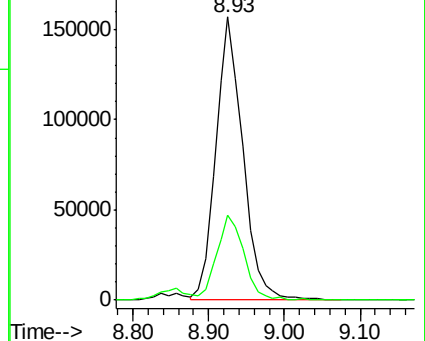
63 100

65 30.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.408 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

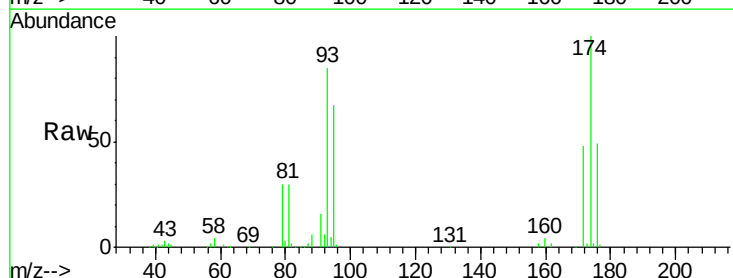
Tgt Ion: 93 Resp: 336968

Ion Ratio Lower Upper

93 100

95 79.0 72.8 109.2

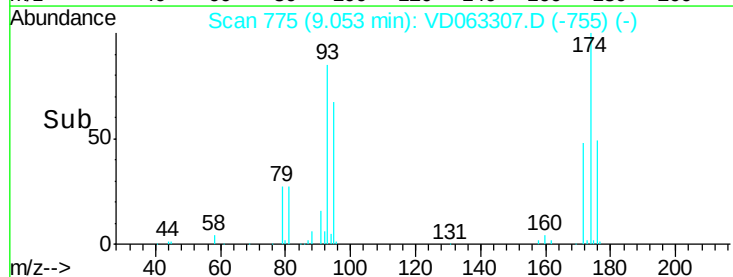
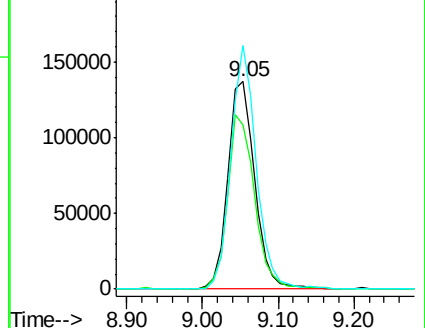
174 117.3 94.4 141.6

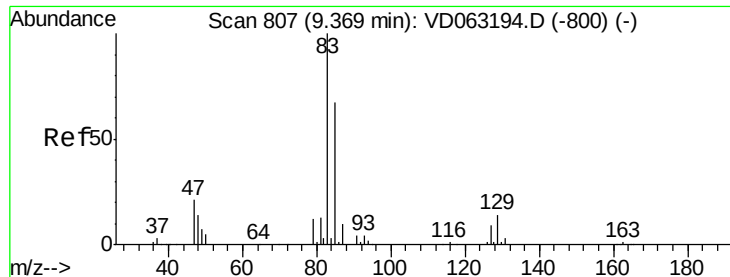


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.821 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

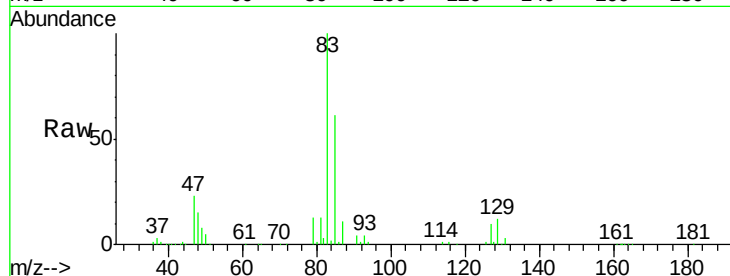
Tot Ion: 83 Resp: 898508

Ion Ratio Lower Upper

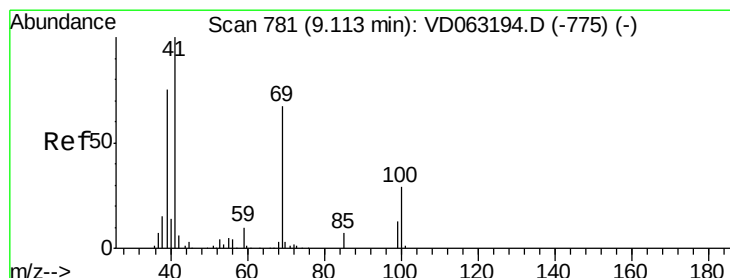
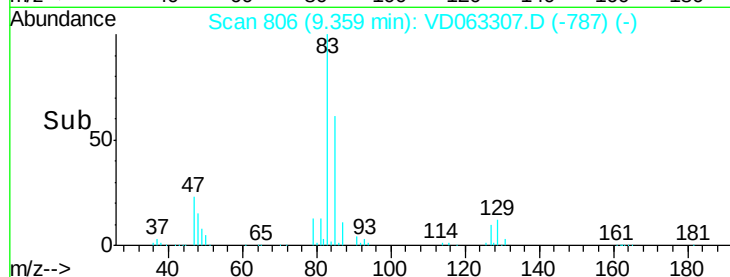
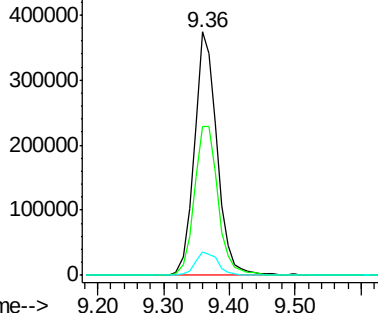
83 100

85 61.4 53.6 80.4

127 9.6 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.380 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

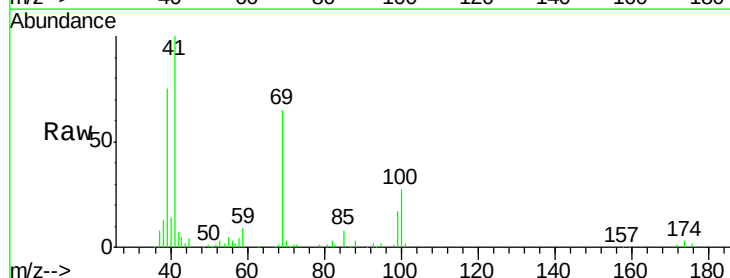
Tgt Ion: 41 Resp: 272197

Ion Ratio Lower Upper

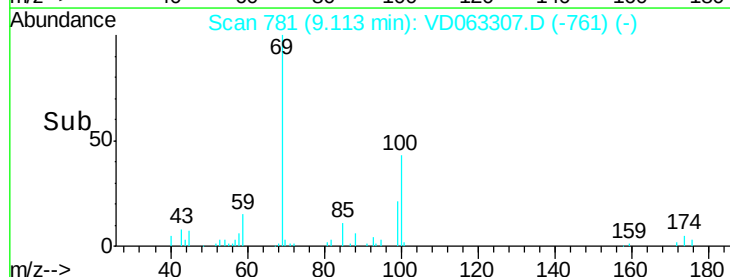
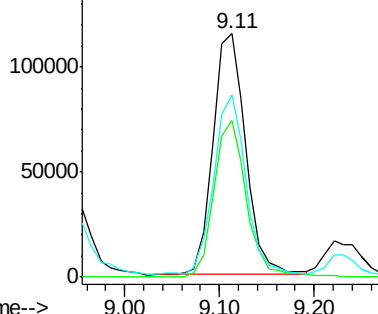
41 100

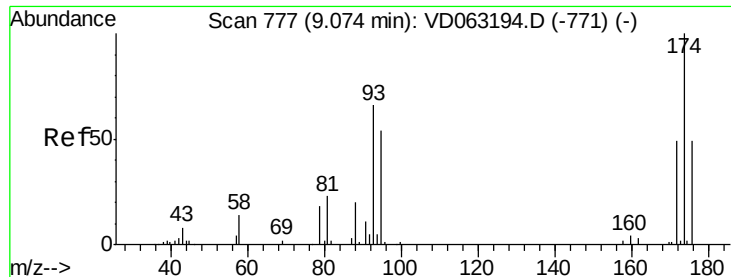
69 64.5 53.4 80.0

39 74.6 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

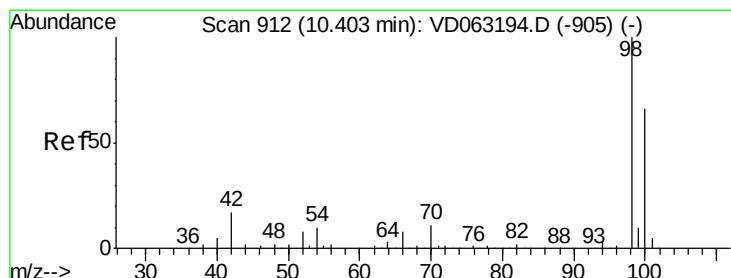
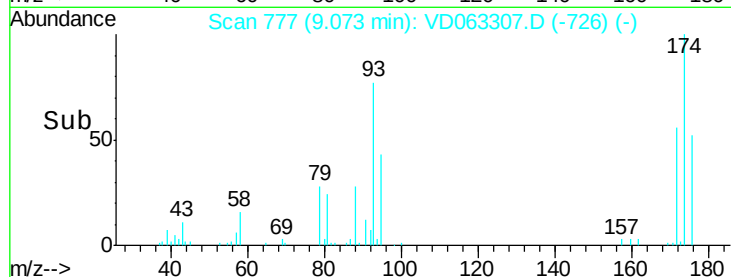
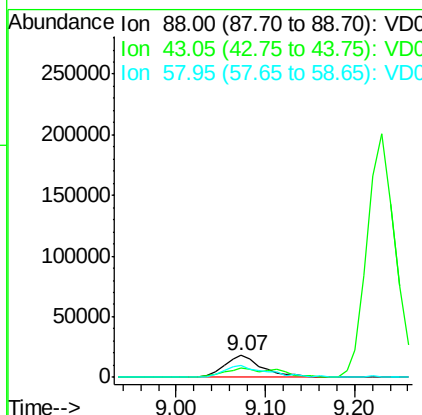
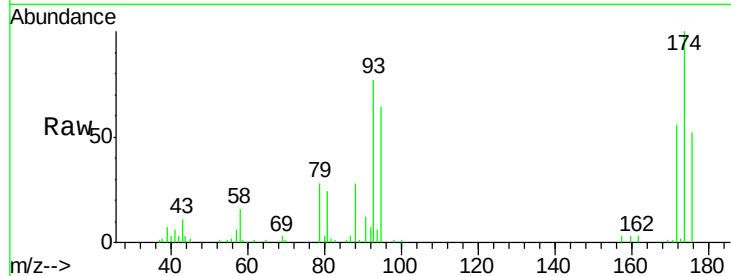




#49
1,4-Dioxane
Concen: 1193.079 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

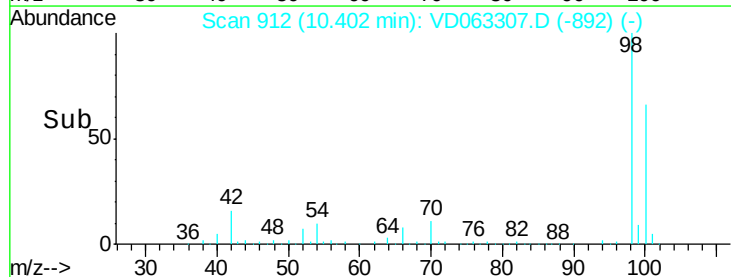
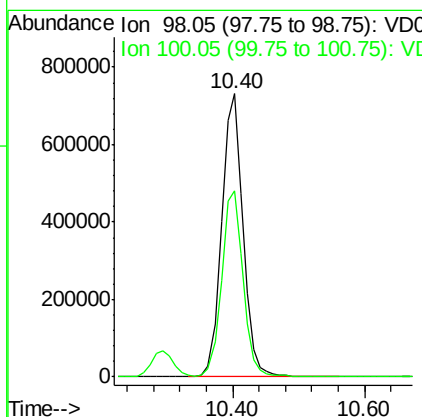
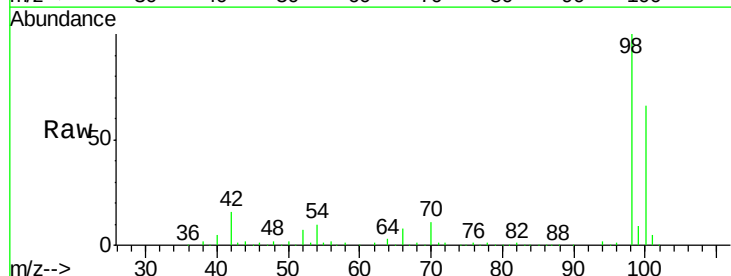
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

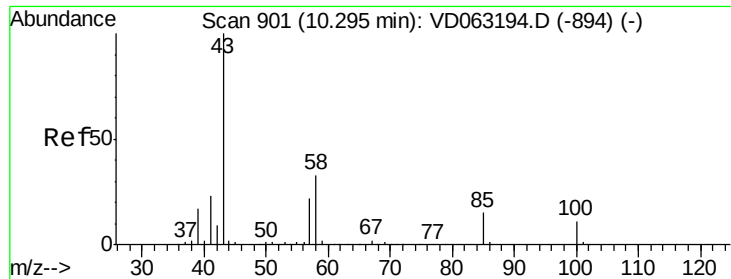
Tot Ion: 88 Resp: 54569
Ion Ratio Lower Upper
88 100
43 41.7 30.7 46.1
58 57.0 56.5 84.7



#50
Toluene-d8
Concen: 54.287 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 98 Resp: 1649920
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 265.014 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

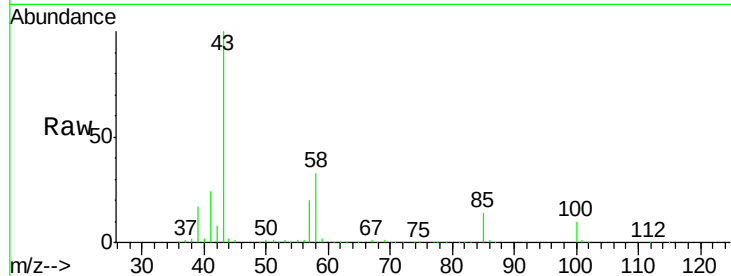
VSTDCCC050

Tot Ion: 43 Resp: 1501427

Ion Ratio Lower Upper

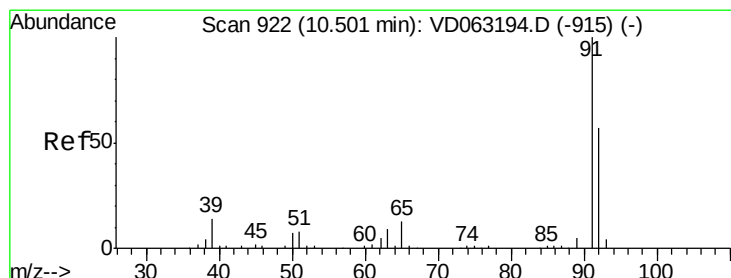
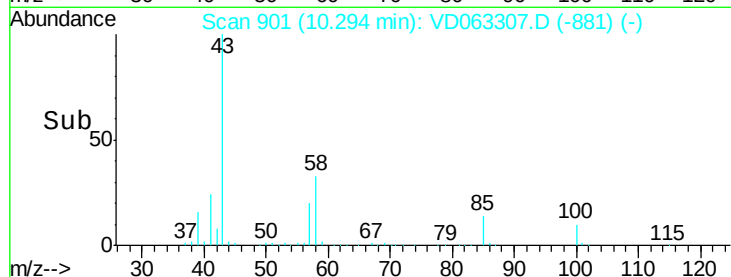
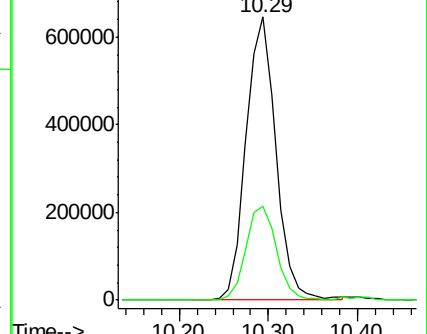
43 100

58 33.1 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.250 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063307.D

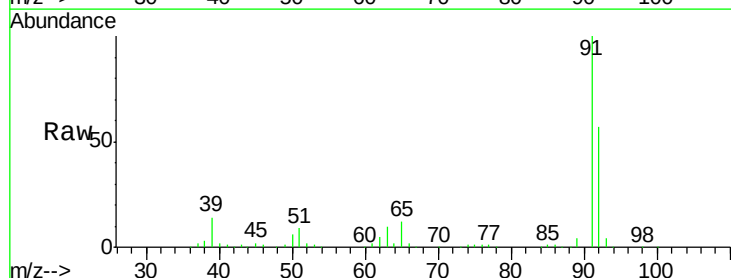
Acq: 2 Aug 2019 10:40

Tgt Ion: 92 Resp: 1016778

Ion Ratio Lower Upper

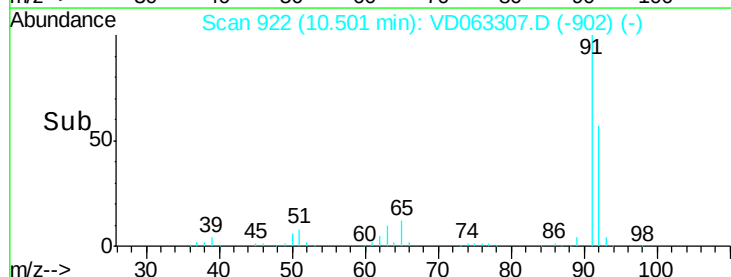
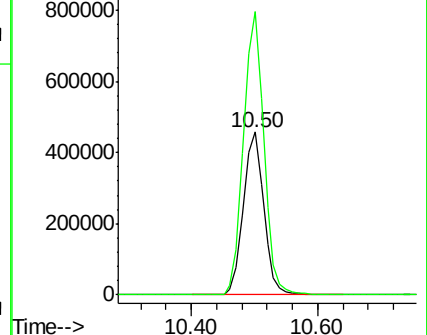
92 100

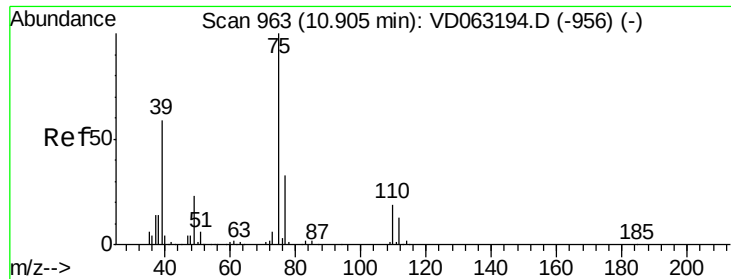
91 173.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.617 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

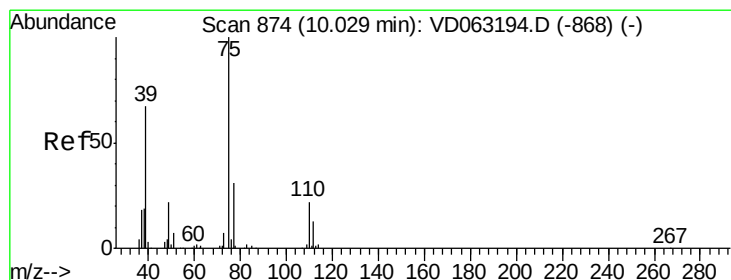
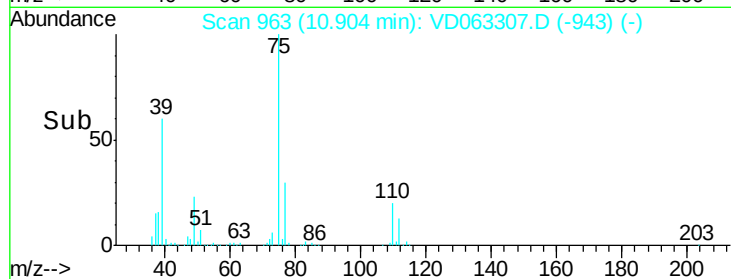
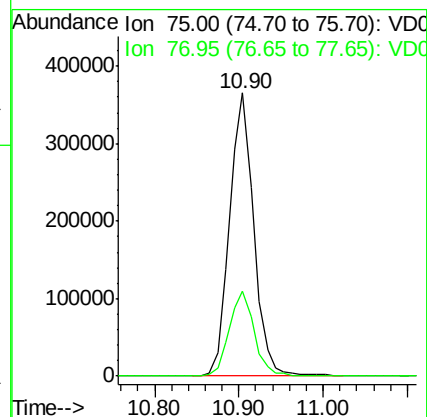
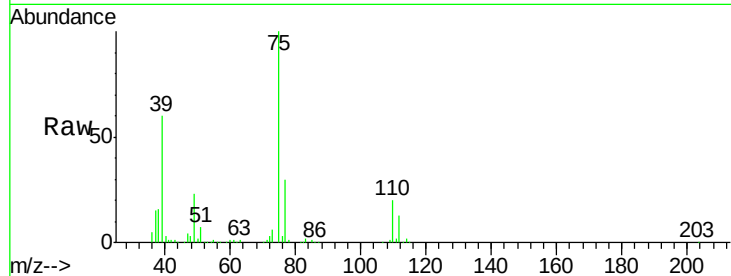
VSTDCCC050

Tot Ion: 75 Resp: 729361

Ion Ratio Lower Upper

75 100

77 30.1 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 53.467 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

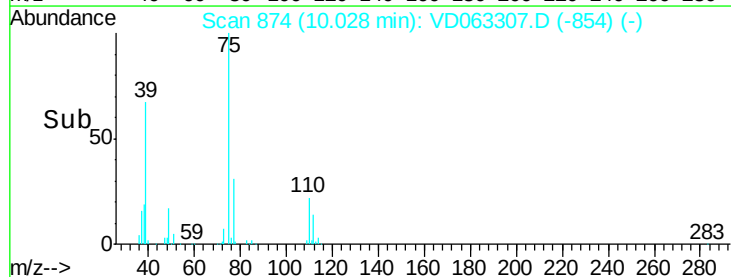
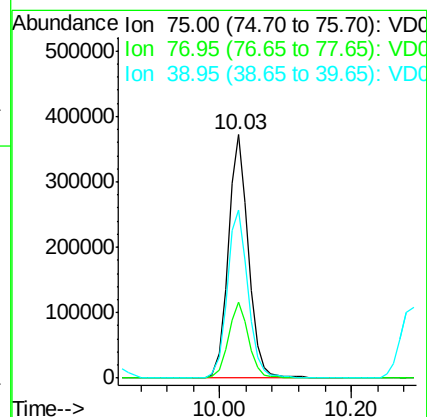
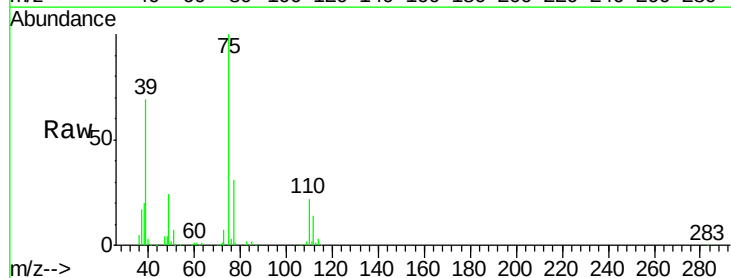
Tgt Ion: 75 Resp: 794018

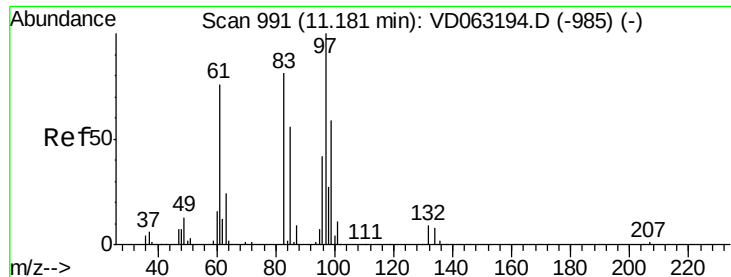
Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

39 69.3 53.9 80.9

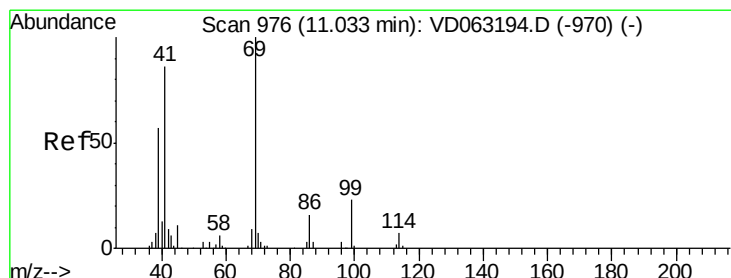
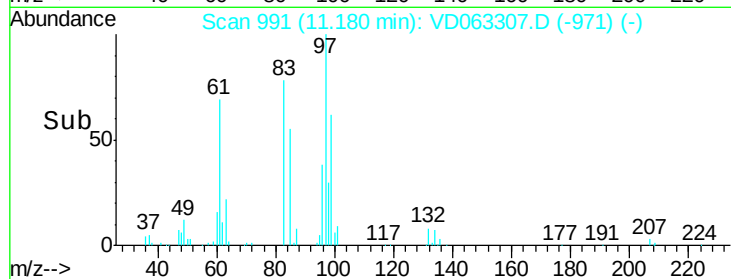
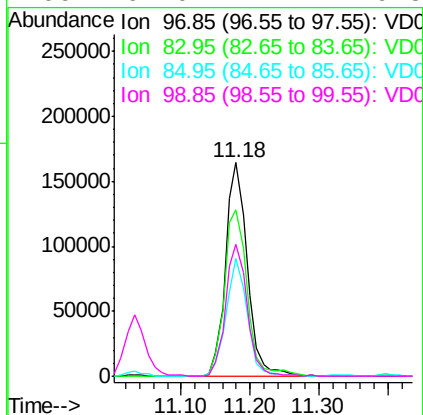
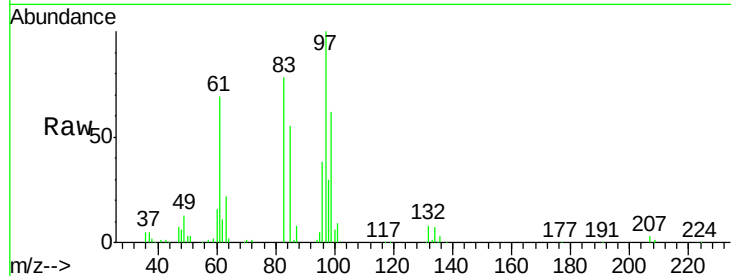




#55
 1,1,2-Trichloroethane
 Concen: 52.780 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

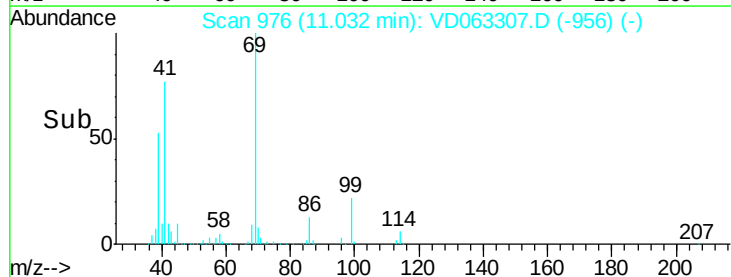
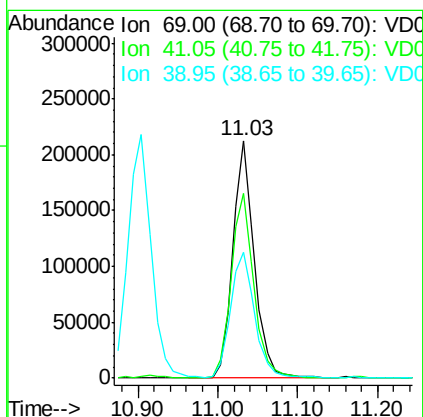
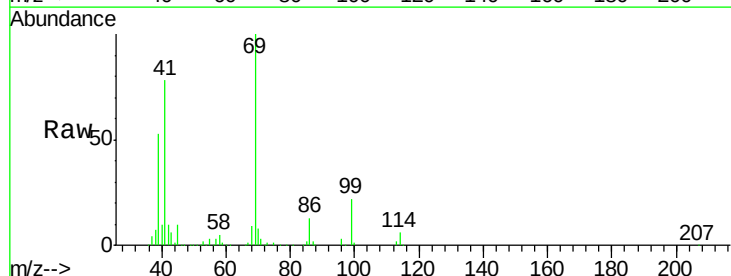
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

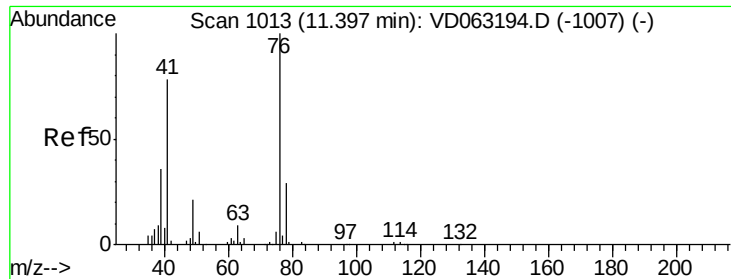
Tot Ion:	97	Resp:	360690
Ion	Ratio	Lower	Upper
97	100		
83	77.9	64.8	97.2
85	55.4	44.9	67.3
99	62.0	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 53.508 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion:	69	Resp:	400418
Ion	Ratio	Lower	Upper
69	100		
41	77.5	68.8	103.2
39	52.8	45.8	68.8





#57

1,3-Dichloropropane

Concen: 54.746 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

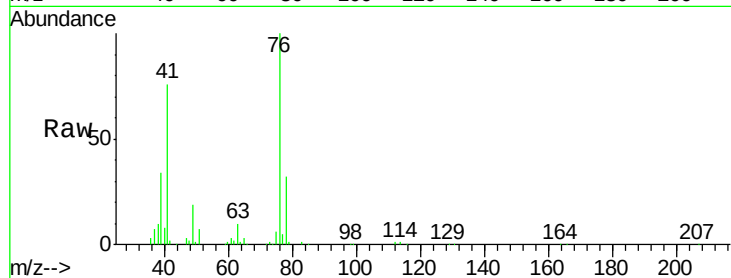
VSTDCCC050

Tot Ion: 76 Resp: 589473

Ion Ratio Lower Upper

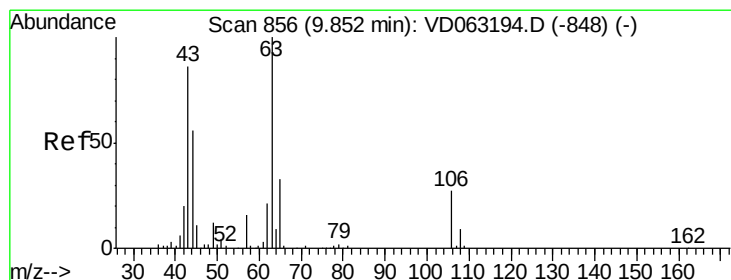
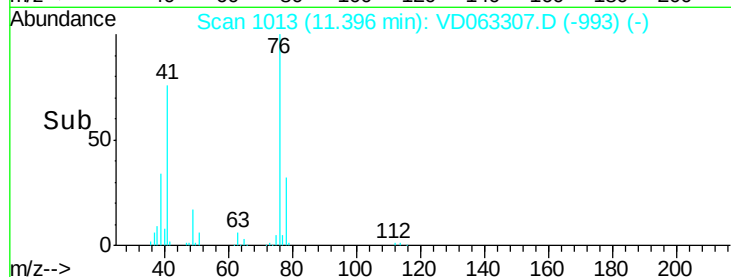
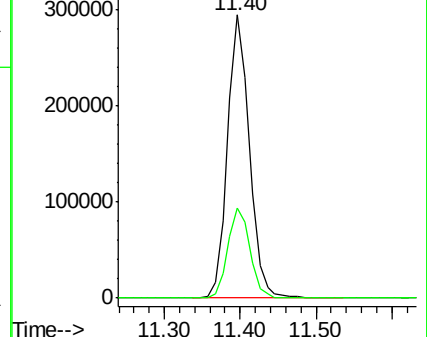
76 100

78 31.6 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.124 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063307.D

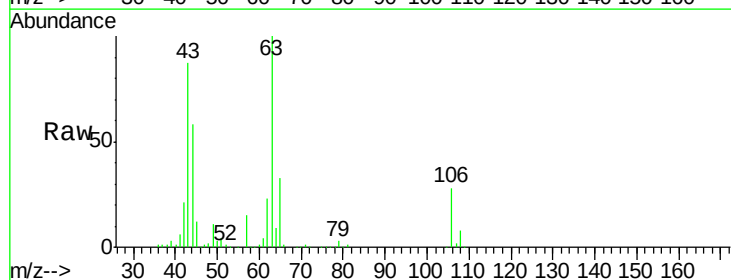
Acq: 2 Aug 2019 10:40

Tgt Ion: 63 Resp: 1016779

Ion Ratio Lower Upper

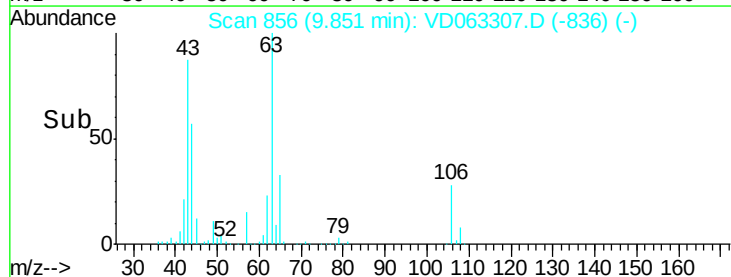
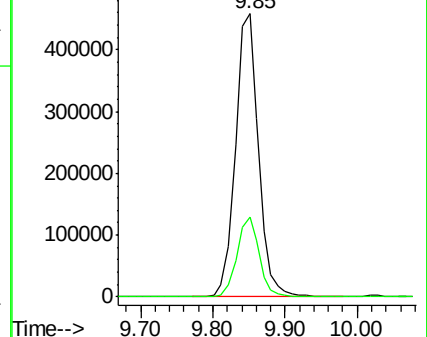
63 100

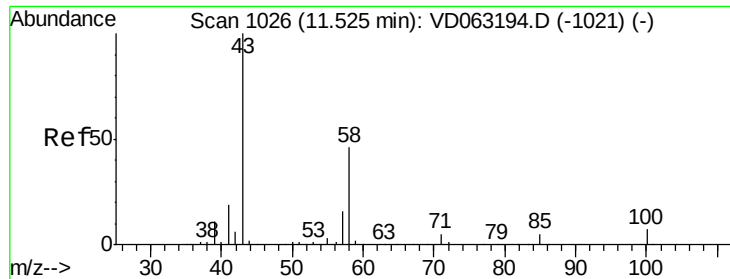
106 28.2 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

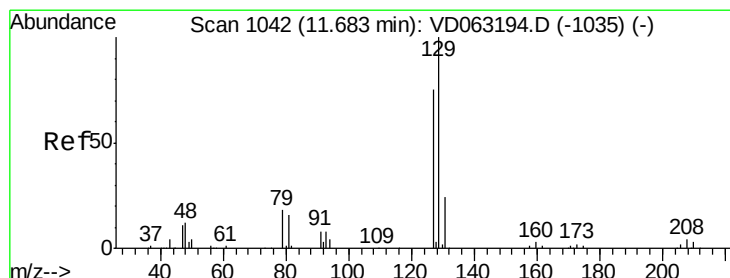
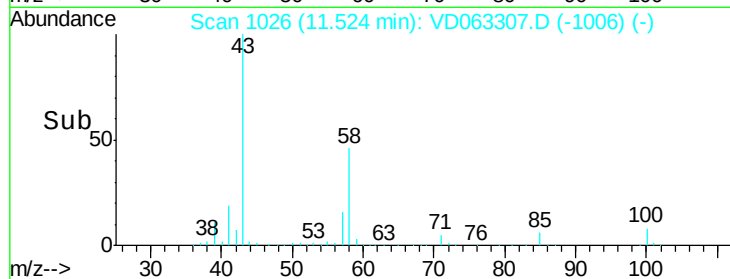
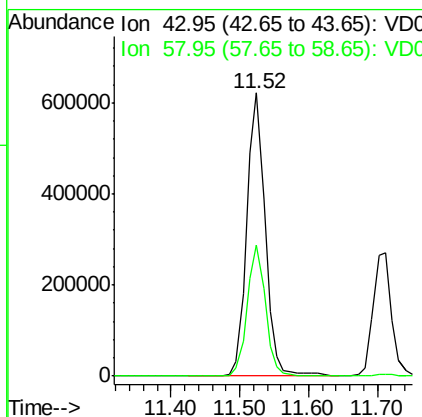
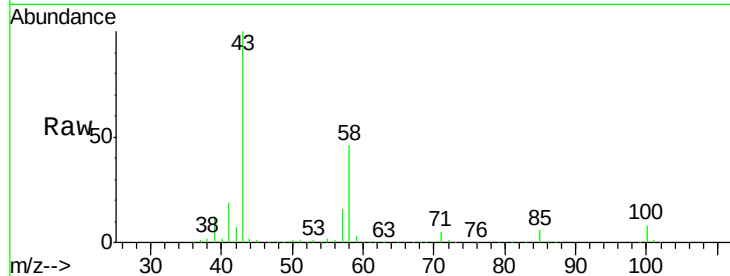




#59
2-Hexanone
Concen: 282.509 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

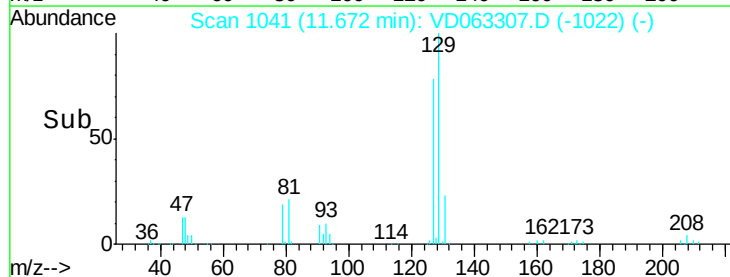
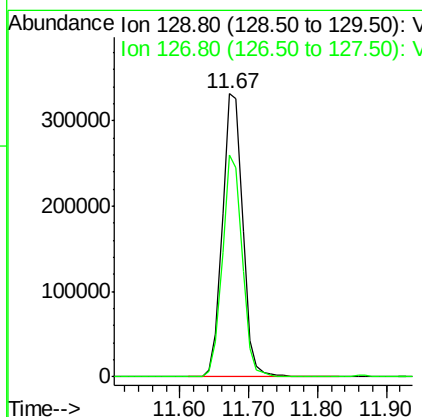
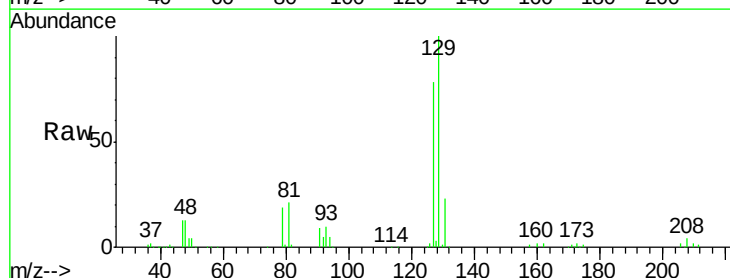
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

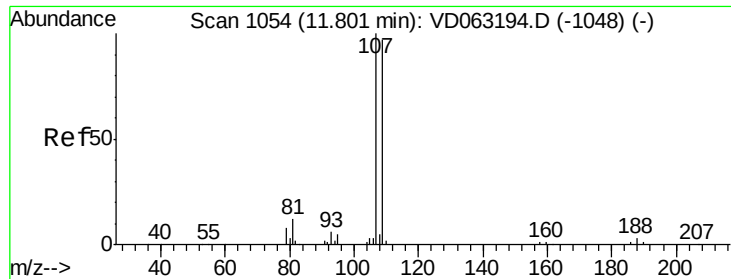
Tot Ion: 43 Resp: 1153423
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 52.634 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 129 Resp: 679043
Ion Ratio Lower Upper
129 100
127 78.3 37.6 112.8

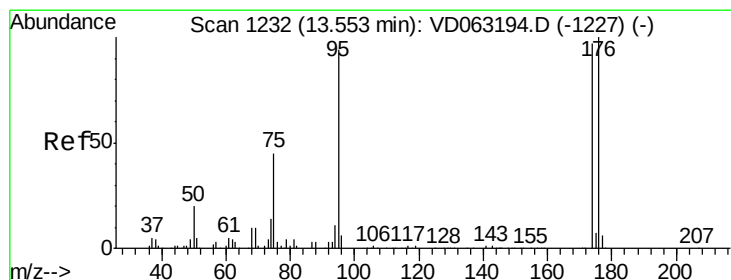
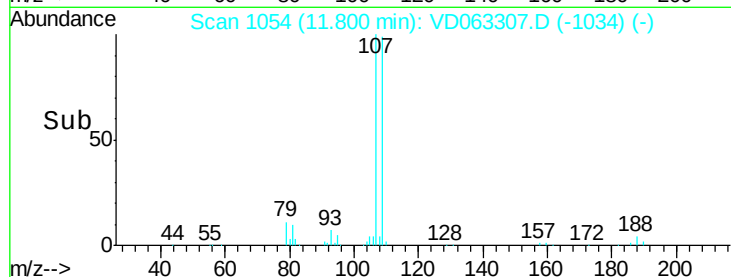
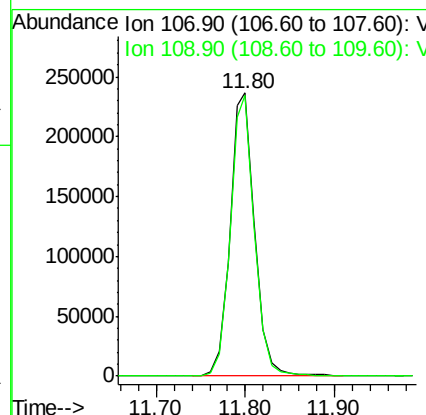
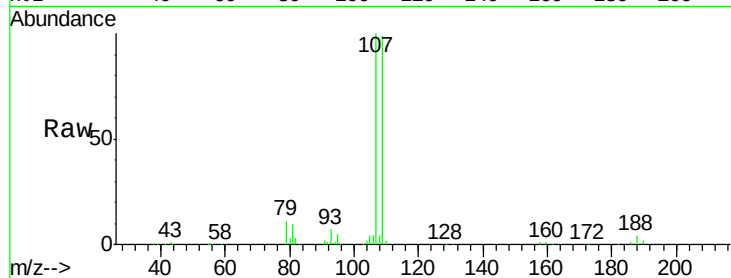




#61
 1,2-Dibromoethane
 Concen: 54.240 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

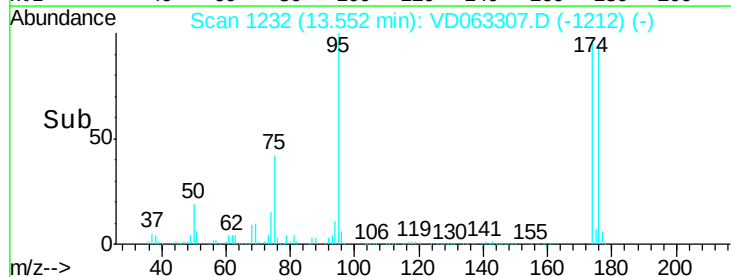
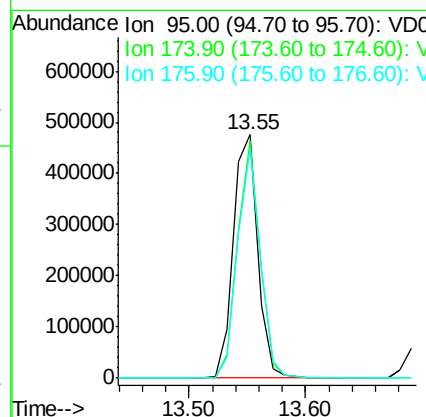
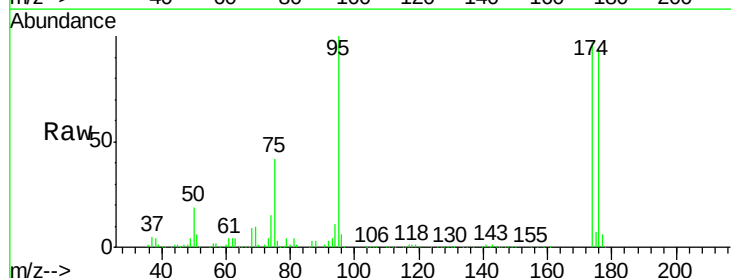
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

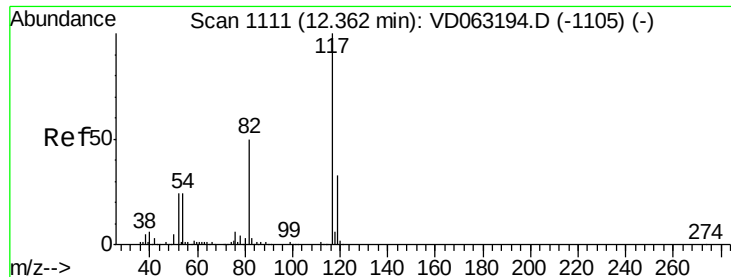
Tot Ion:107 Resp: 457387
 Ion Ratio Lower Upper
 107 100
 109 99.1 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 49.910 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion: 95 Resp: 691238
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 205.4
 176 94.5 0.0 211.8

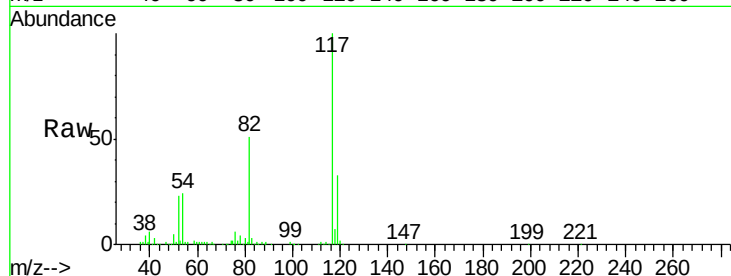




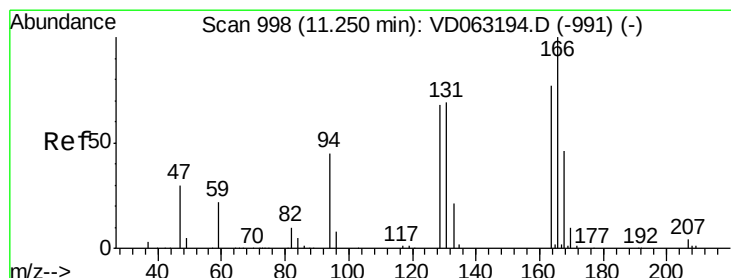
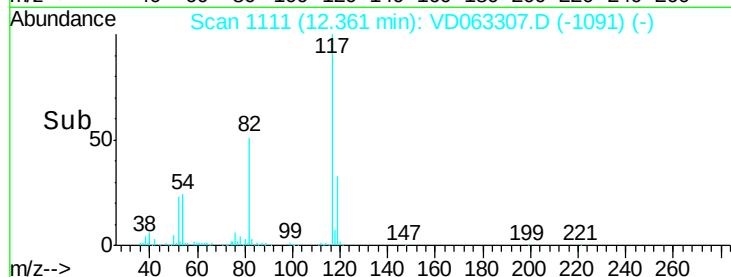
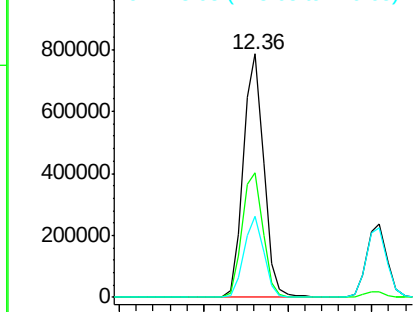
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1331269
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 33.1 26.5 39.7

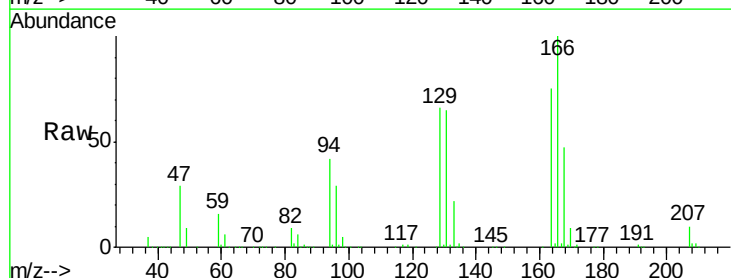


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

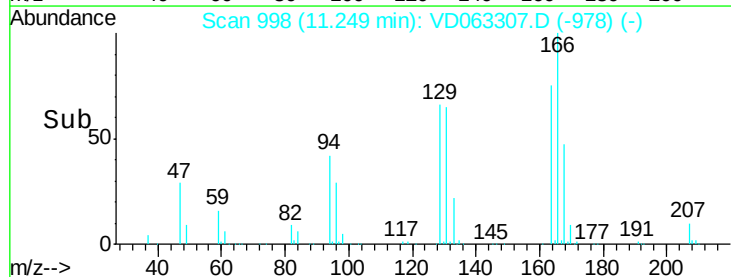
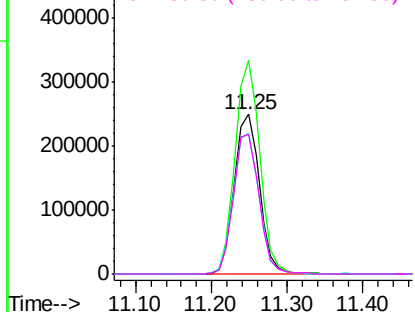


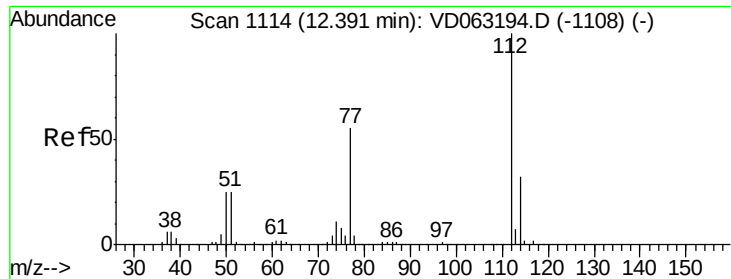
#64
Tetrachloroethene
Concen: 54.239 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion:164 Resp: 575248
Ion Ratio Lower Upper
164 100
166 133.8 104.3 156.5
129 88.0 70.9 106.3
131 87.1 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.713 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

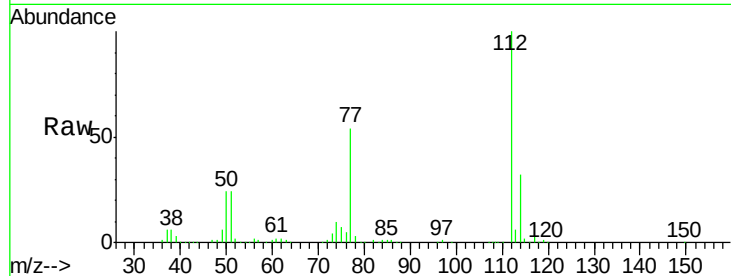
VSTDCCC050

Tot Ion:112 Resp: 1349770

Ion Ratio Lower Upper

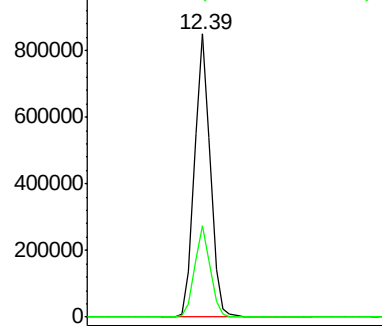
112 100

114 32.2 25.8 38.8

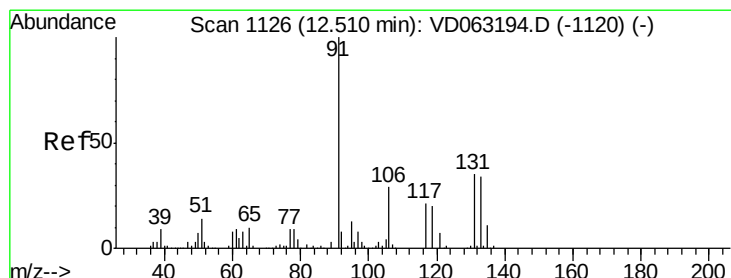
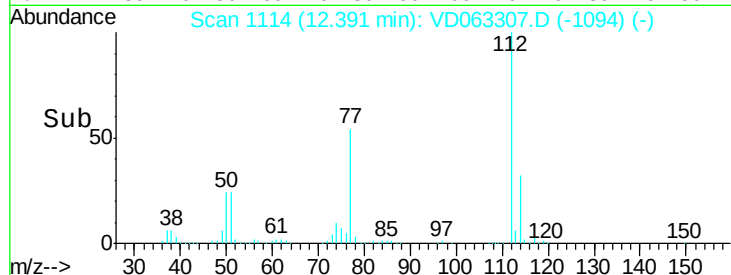


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.030 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

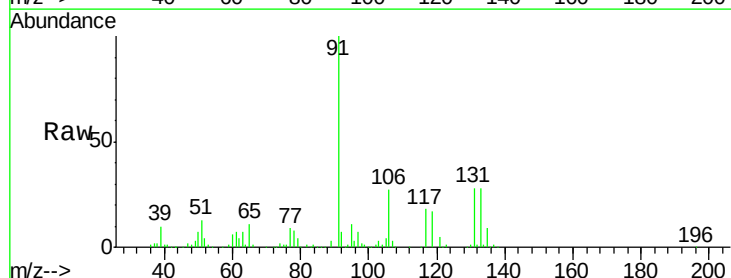
Tgt Ion:131 Resp: 631981

Ion Ratio Lower Upper

131 100

133 99.9 48.4 145.2

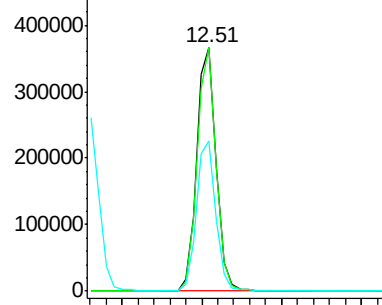
119 61.8 29.1 87.3



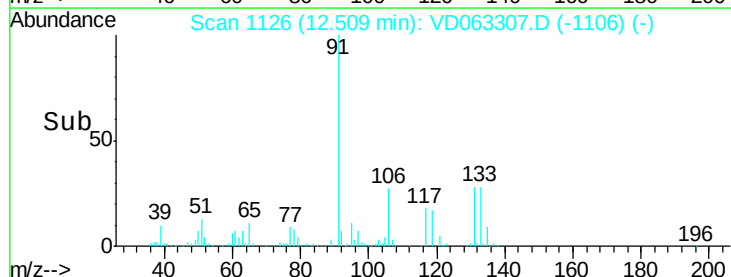
Abundance Ion 130.90 (130.60 to 131.60): V

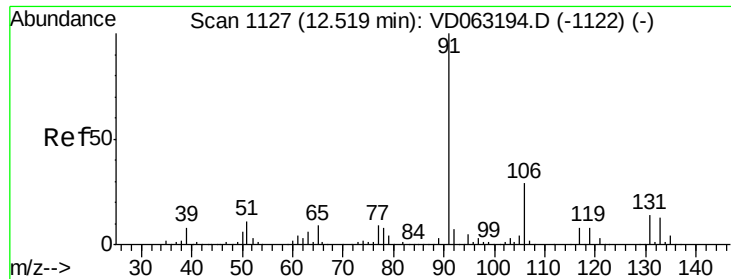
Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->

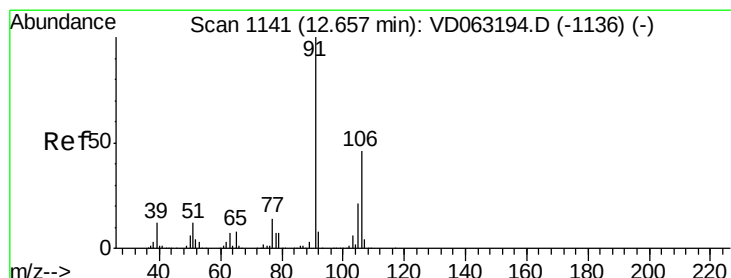
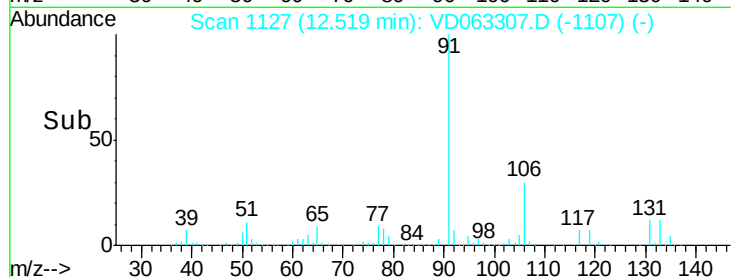
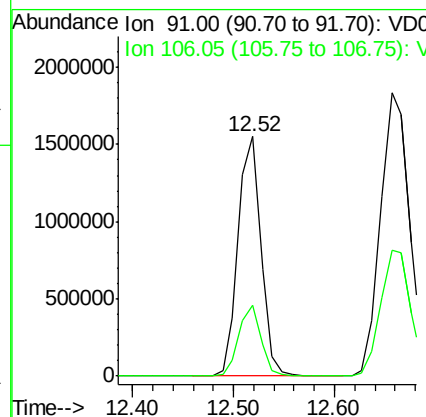
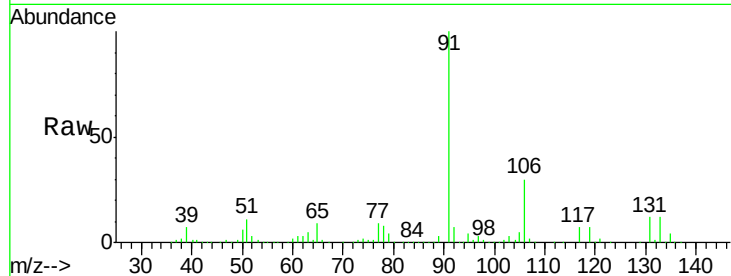




#67
Ethyl Benzene
Concen: 56.444 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

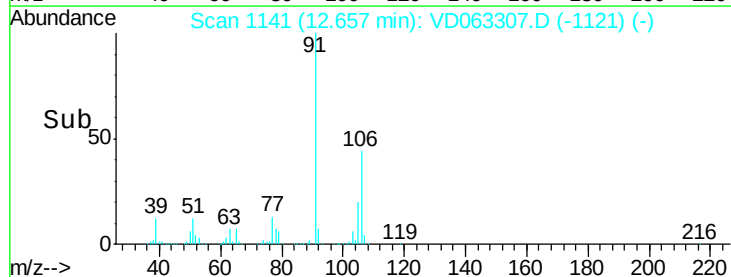
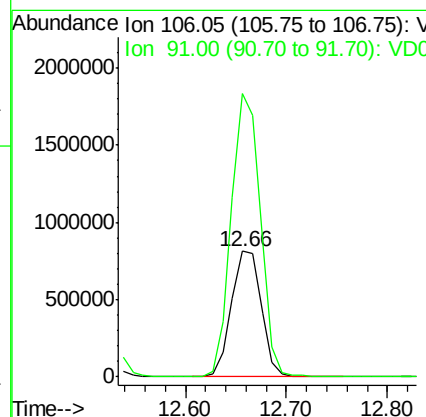
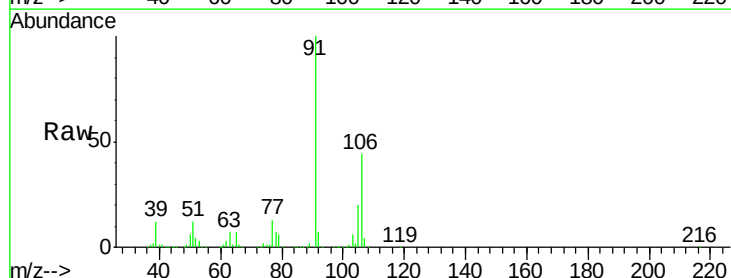
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

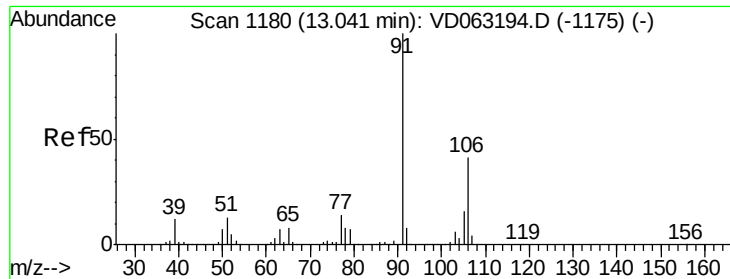
Tot Ion: 91 Resp: 2455274
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3



#68
m/p-Xylenes
Concen: 104.746 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 106 Resp: 1670972
Ion Ratio Lower Upper
106 100
91 225.2 172.6 259.0

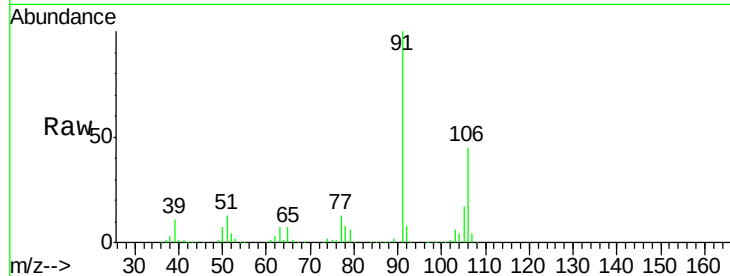




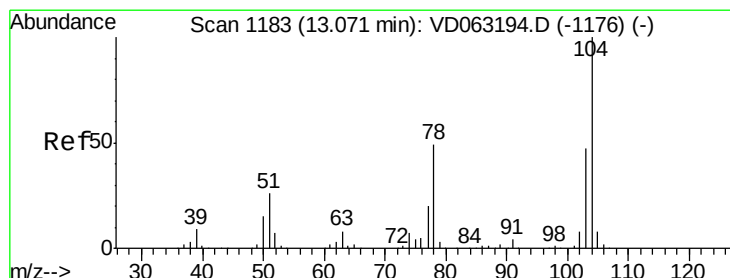
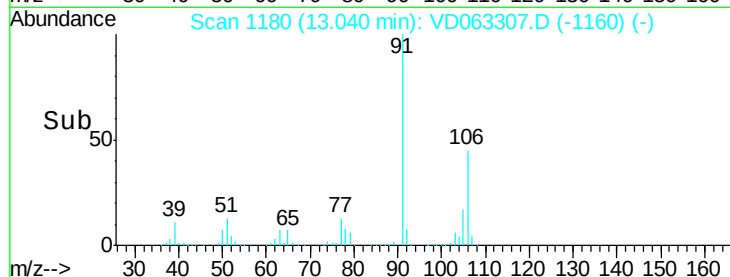
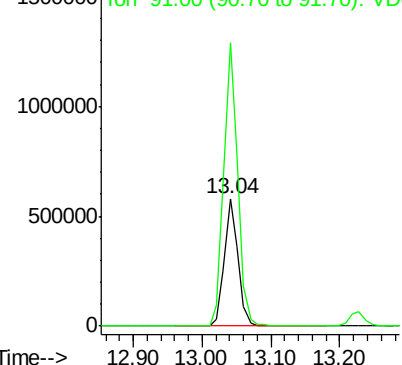
#69
o-Xylene
Concen: 54.471 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 797970
Ion Ratio Lower Upper
106 100
91 222.3 121.3 363.9

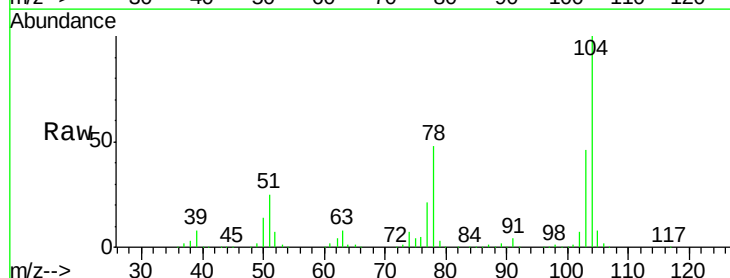


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

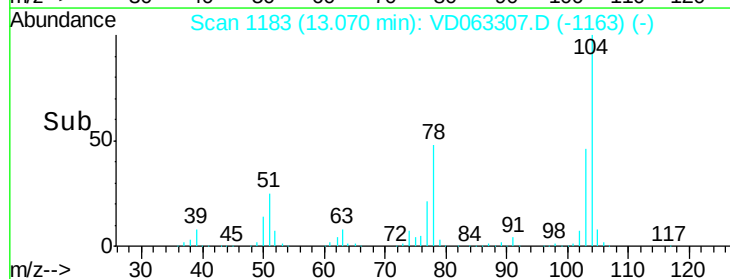
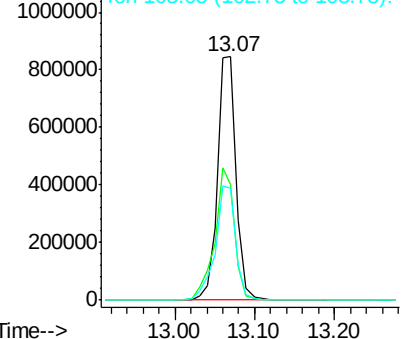


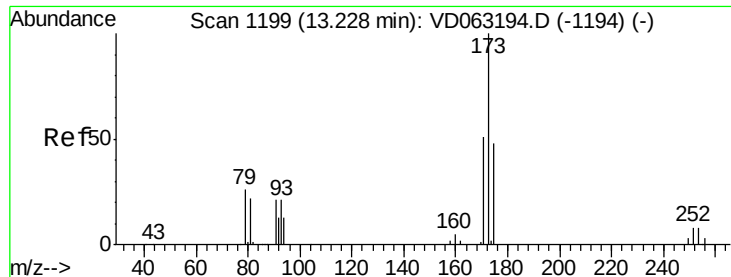
#70
Styrene
Concen: 53.485 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion:104 Resp: 1389506
Ion Ratio Lower Upper
104 100
78 47.6 39.4 59.0
103 46.0 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

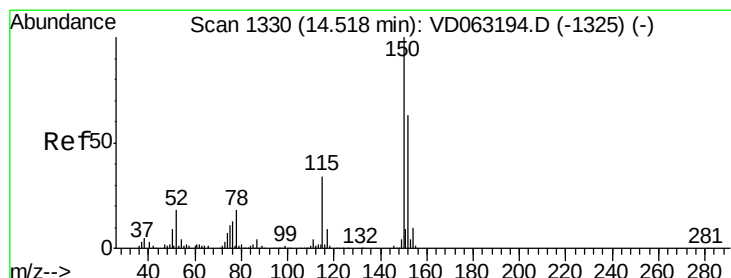
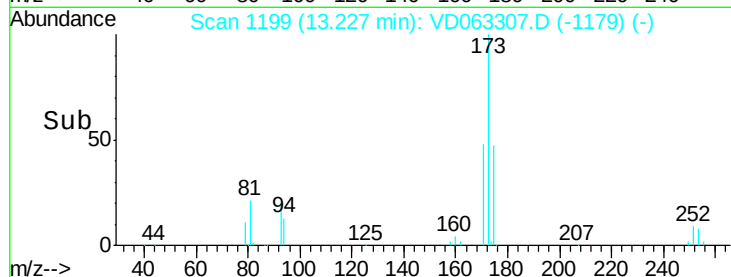
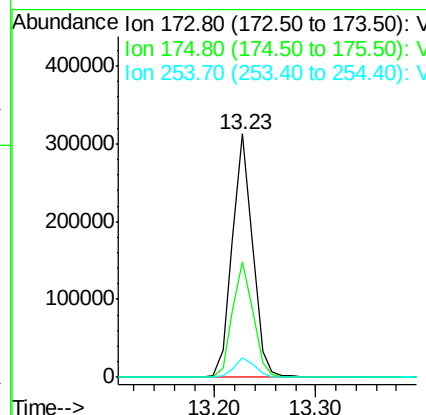
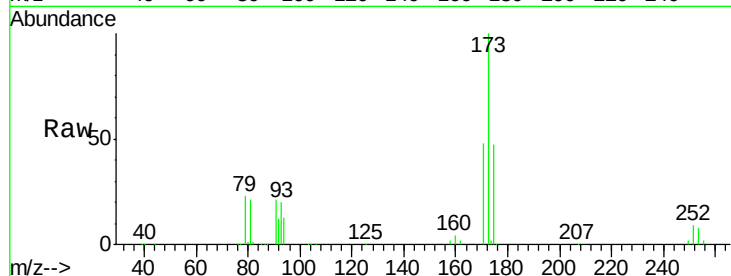




#71
Bromoform
Concen: 53.237 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

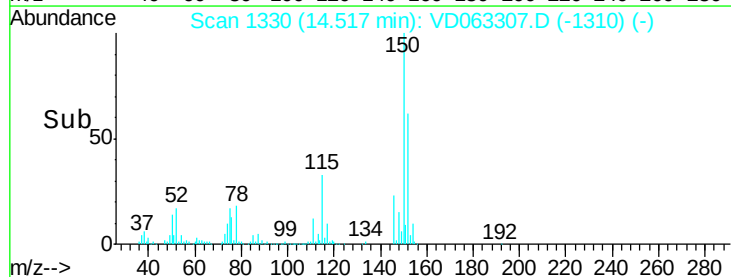
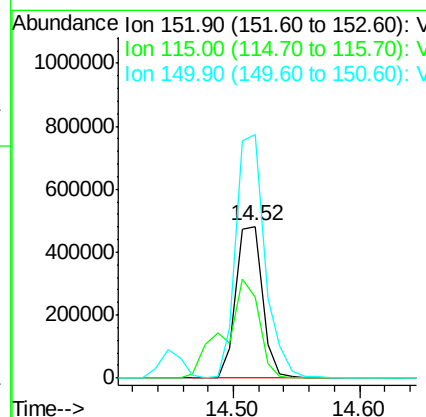
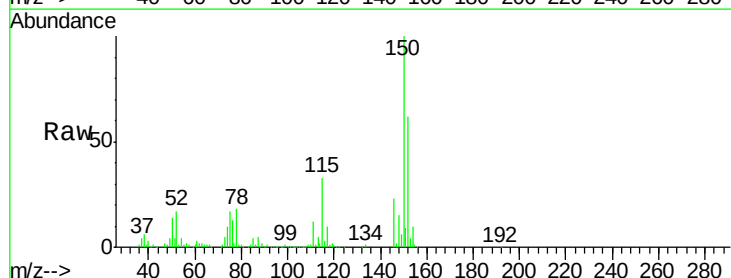
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

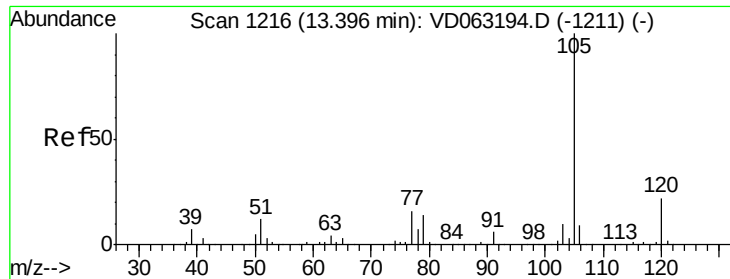
Tot Ion:173 Resp: 436675
Ion Ratio Lower Upper
173 100
175 47.5 23.8 71.5
254 8.0 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion:152 Resp: 696936
Ion Ratio Lower Upper
152 100
115 53.4 27.5 82.4
150 160.7 0.0 320.6





#73

Isopropylbenzene

Concen: 52.428 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

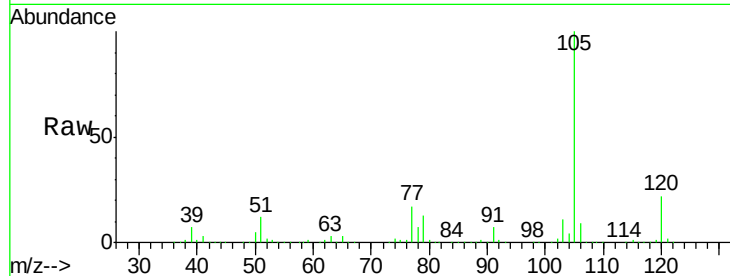
VSTDCCC050

Tot Ion:105 Resp: 2293307

Ion Ratio Lower Upper

105 100

120 22.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

1500000

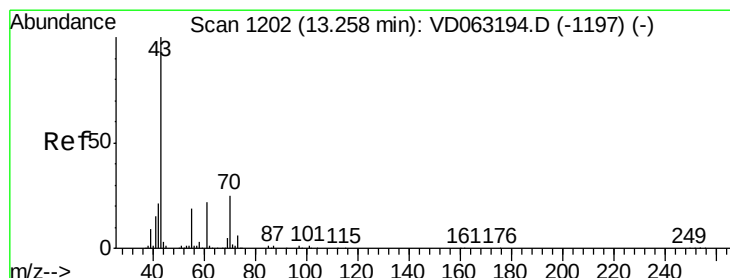
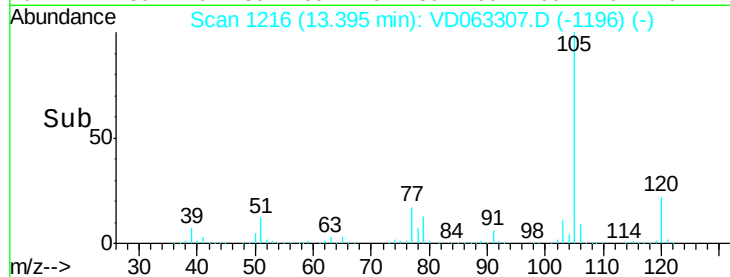
1000000

500000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 52.168 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Tgt Ion: 43 Resp: 603252

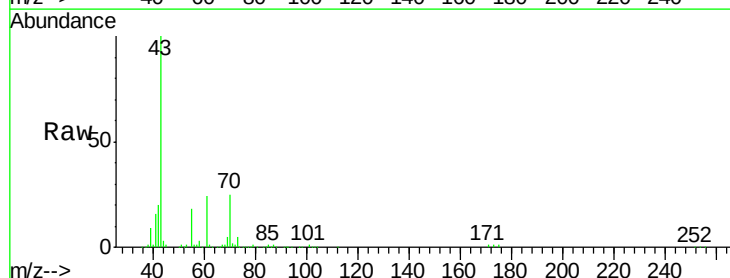
Ion Ratio Lower Upper

43 100

70 25.1 20.2 30.4

55 18.4 14.9 22.3

61 23.5 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

600000

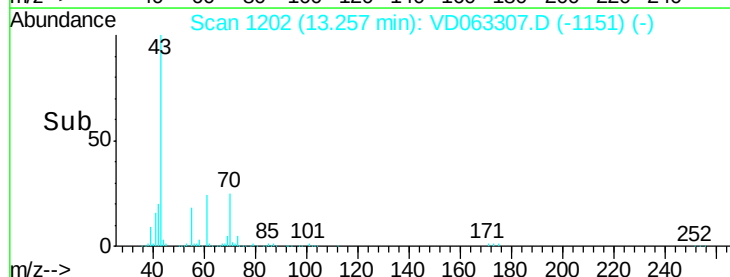
400000

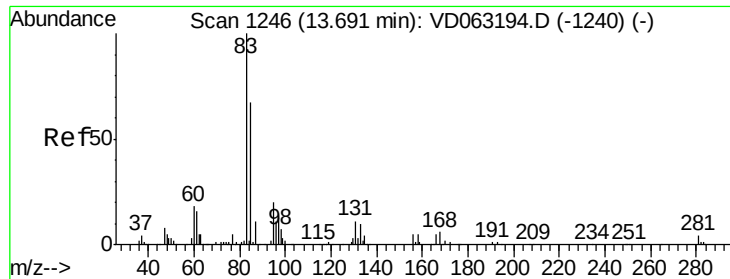
200000

0

Time-->

13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 55.500 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

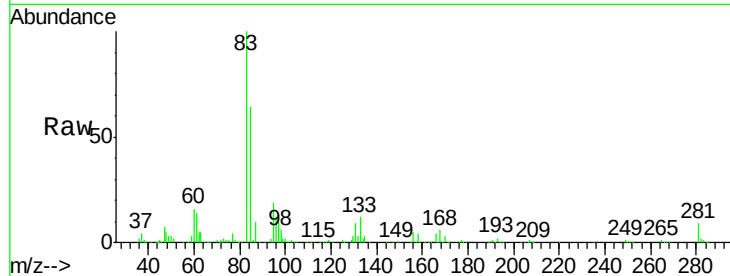
Tot Ion: 83 Resp: 412373

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

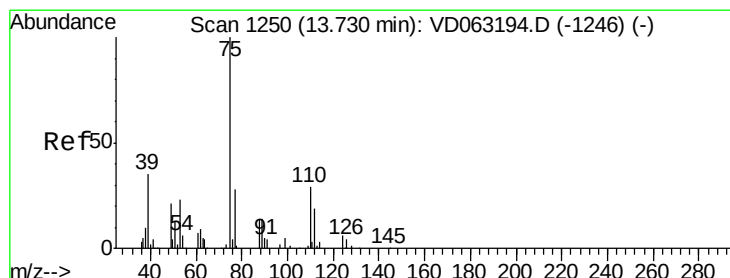
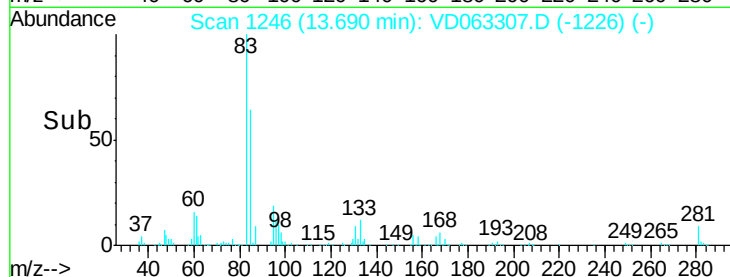
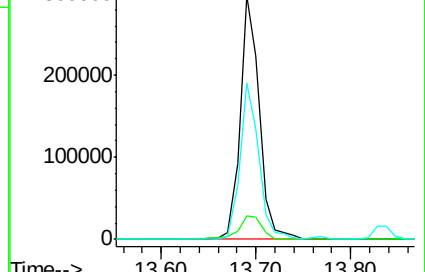
85 64.1 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.743 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063307.D

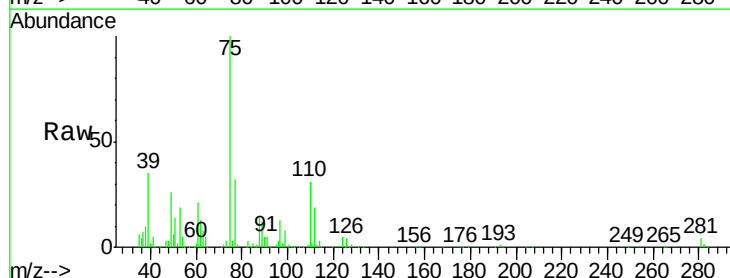
Acq: 2 Aug 2019 10:40

Tgt Ion: 75 Resp: 424777

Ion Ratio Lower Upper

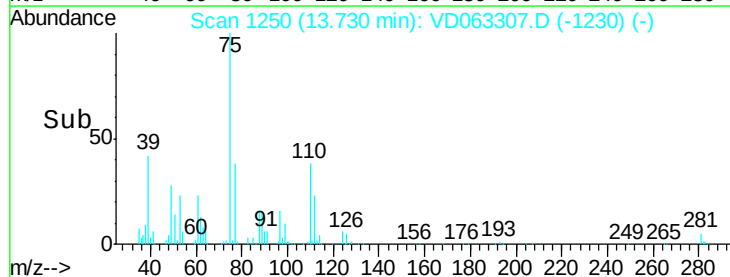
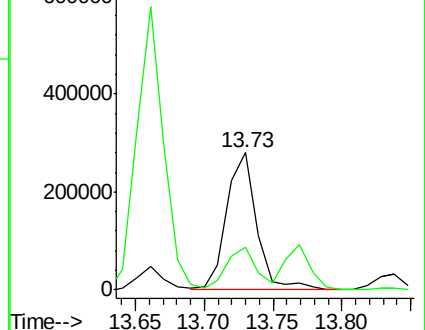
75 100

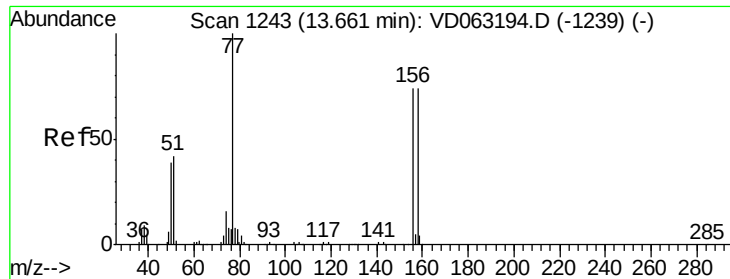
77 31.6 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

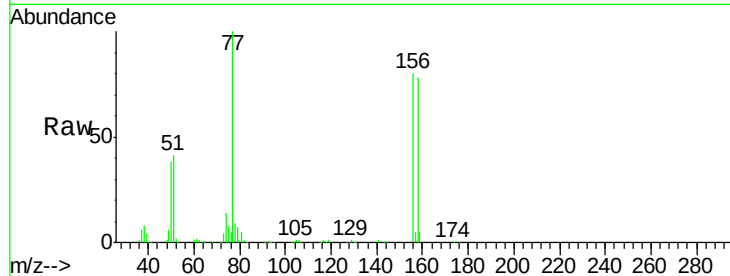




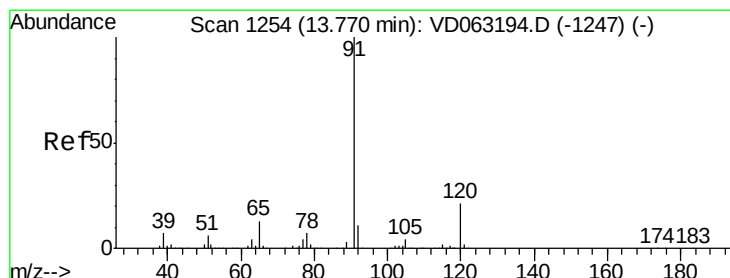
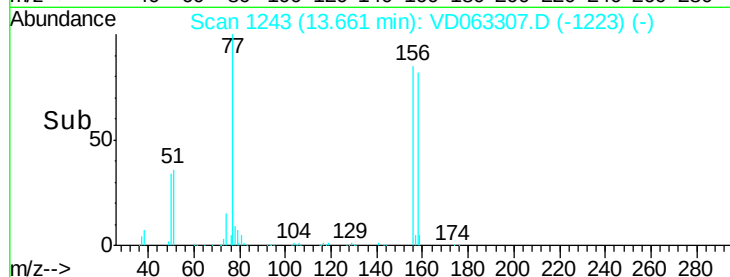
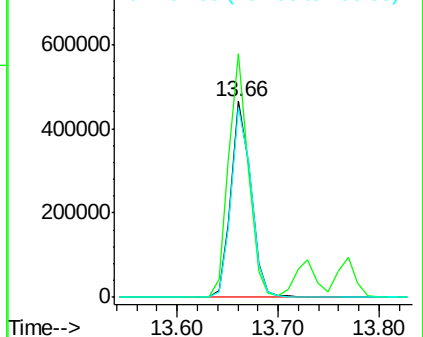
#77
Bromobenzene
Concen: 50.756 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 632459
Ion Ratio Lower Upper
156 100
77 124.3 67.6 202.8
158 97.1 49.8 149.4

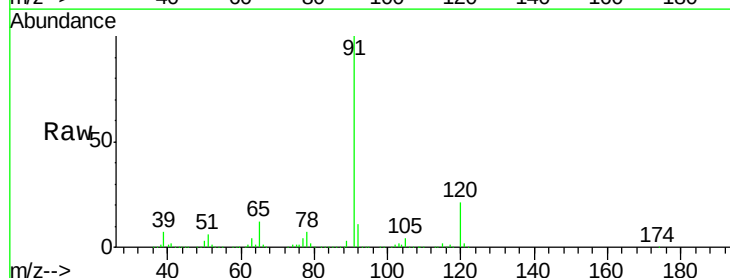


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

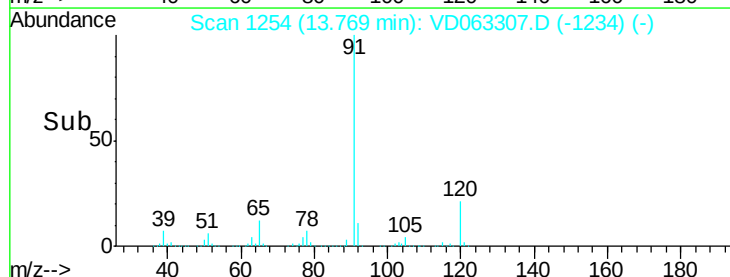
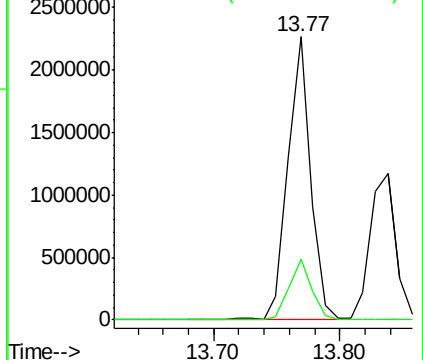


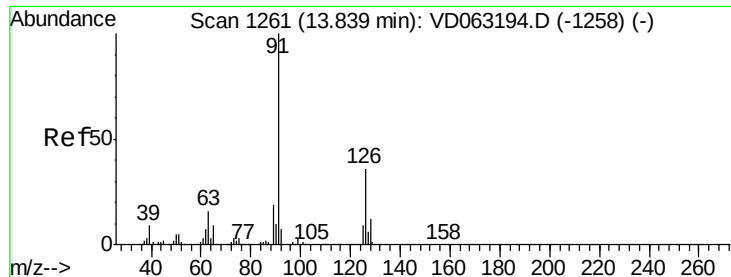
#78
n-propylbenzene
Concen: 54.982 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion: 91 Resp: 2862041
Ion Ratio Lower Upper
91 100
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

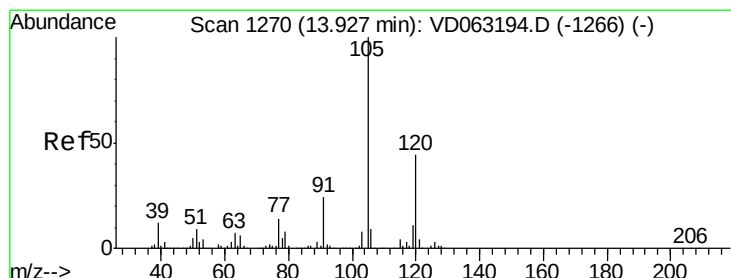
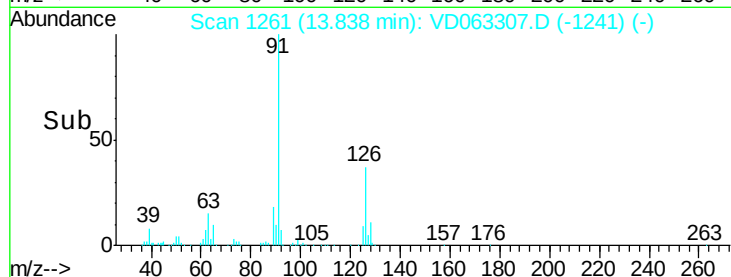
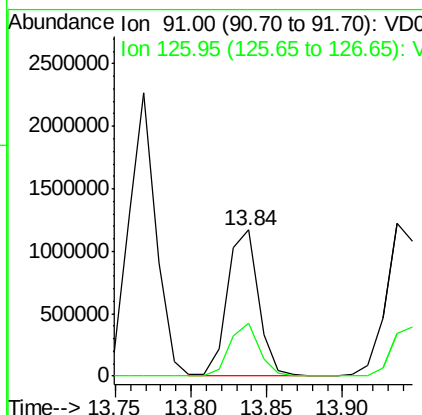
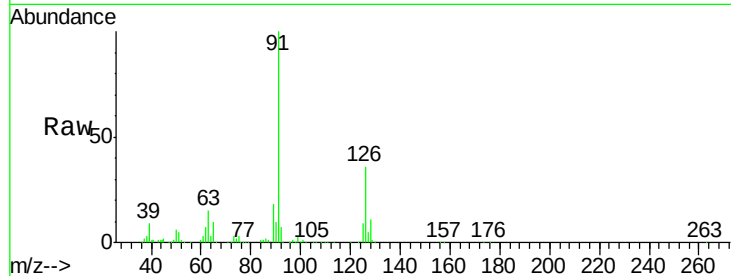




#79
 2-Chlorotoluene
 Concen: 55.412 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

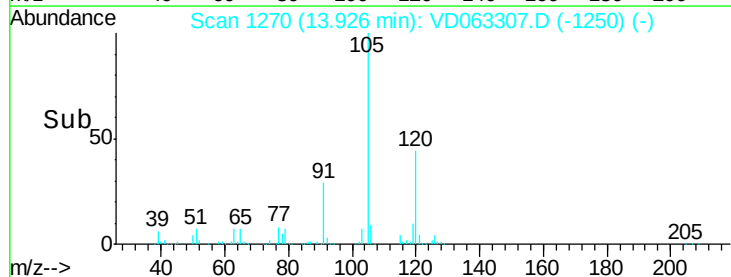
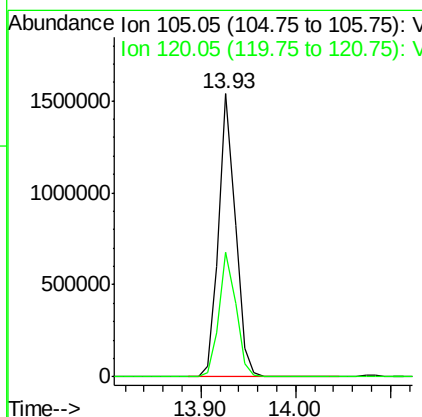
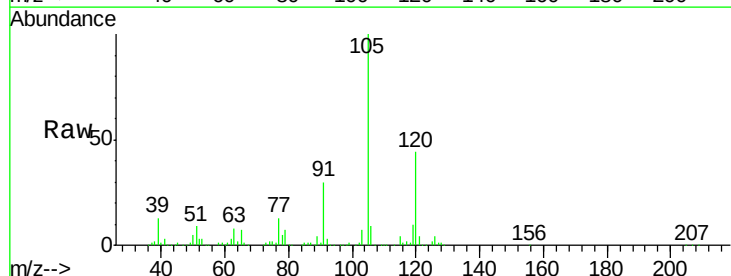
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

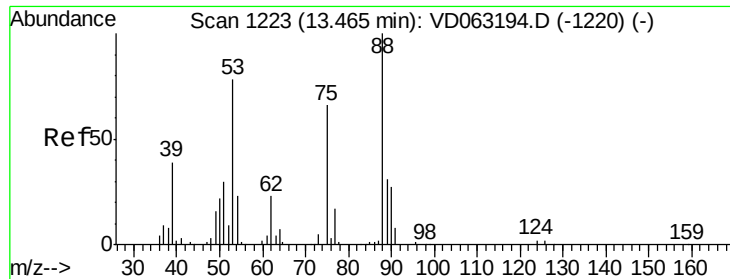
Tot Ion: 91 Resp: 1671332
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.412 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion: 105 Resp: 1901884
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 52.591 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

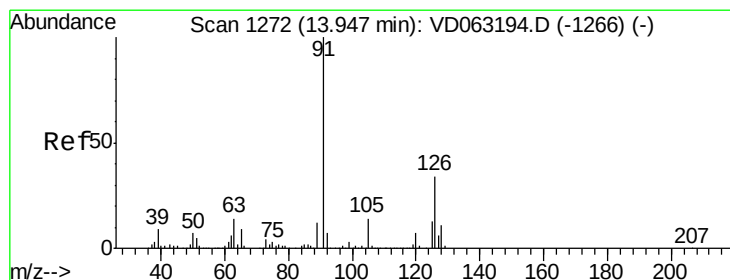
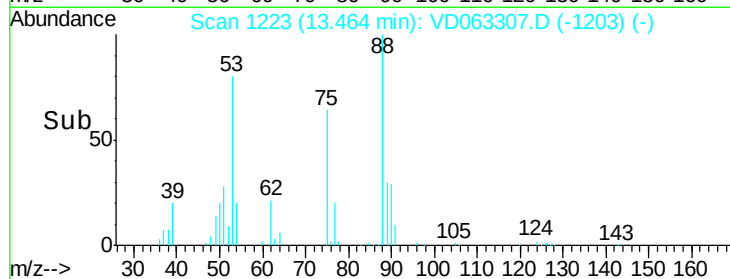
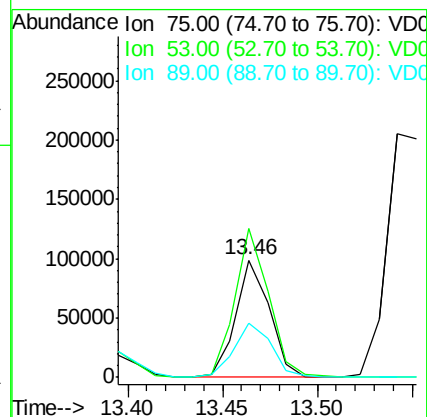
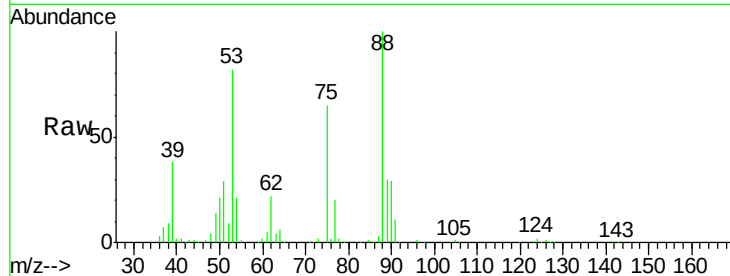
Tot Ion: 75 Resp: 122248

Ion	Ratio	Lower	Upper
75	100		
53	126.9	94.9	142.3
89	46.8	37.4	56.0

75 100

53 126.9 94.9 142.3

89 46.8 37.4 56.0



#82

4-Chlorotoluene

Concen: 52.777 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063307.D

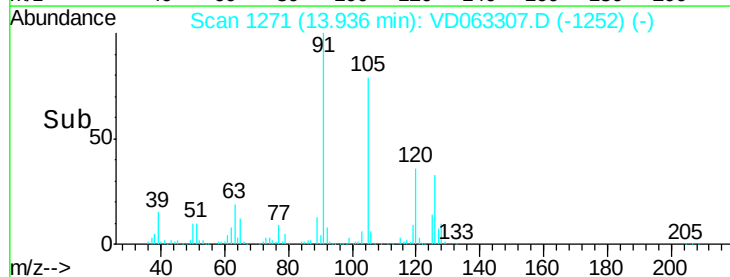
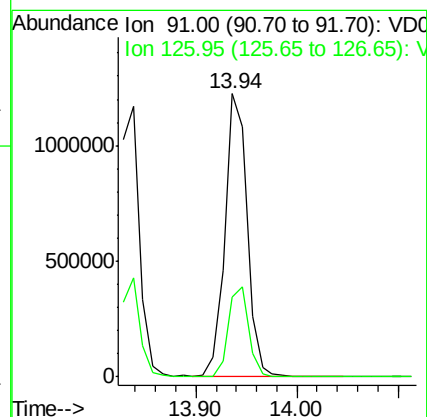
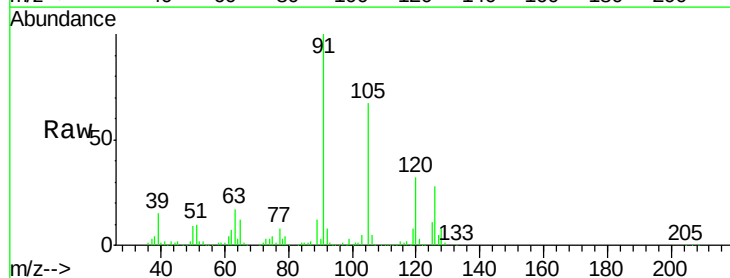
Acq: 2 Aug 2019 10:40

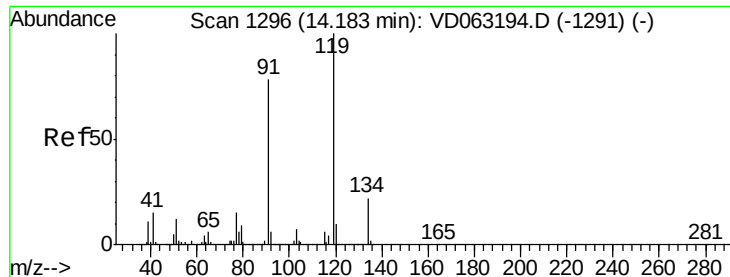
Tgt Ion: 91 Resp: 1873390

Ion	Ratio	Lower	Upper
91	100		
126	28.1	17.1	51.2

91 100

126 28.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 47.921 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

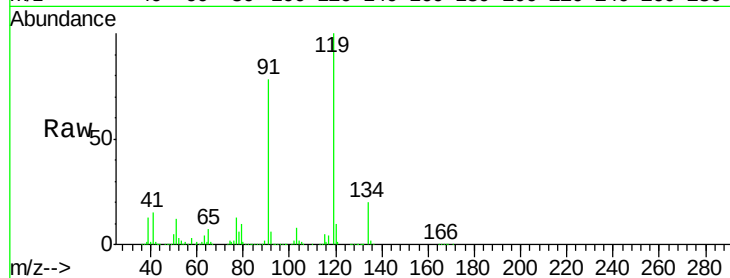
Tot Ion:119 Resp: 2064314

Ion Ratio Lower Upper

119 100

91 77.7 39.1 117.5

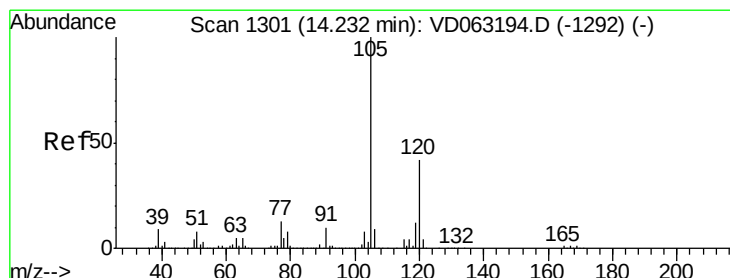
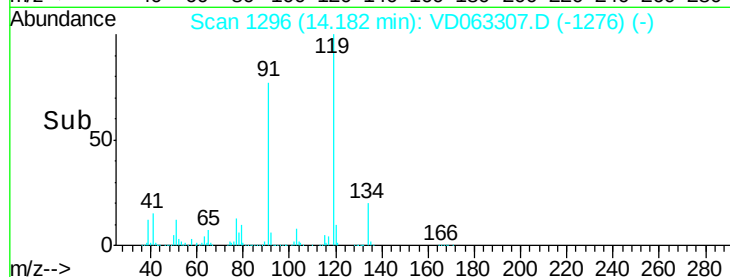
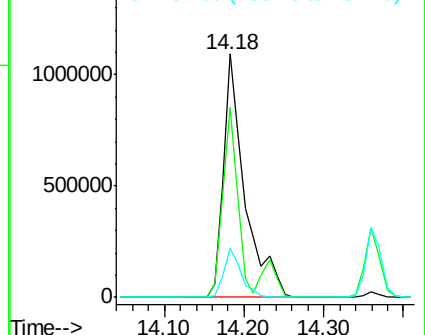
134 20.2 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.552 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063307.D

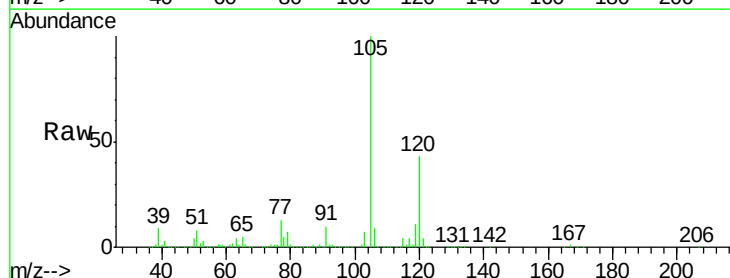
Acq: 2 Aug 2019 10:40

Tgt Ion:105 Resp: 2011711

Ion Ratio Lower Upper

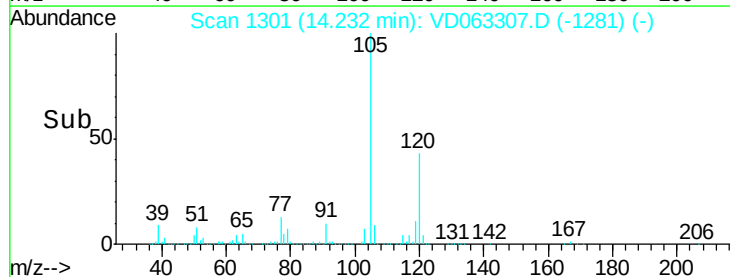
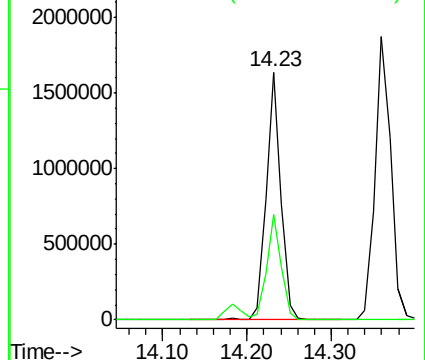
105 100

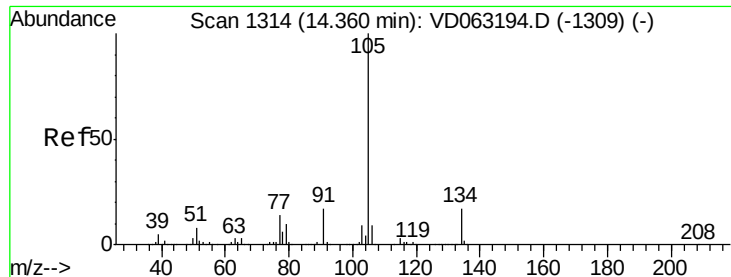
120 42.6 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.363 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

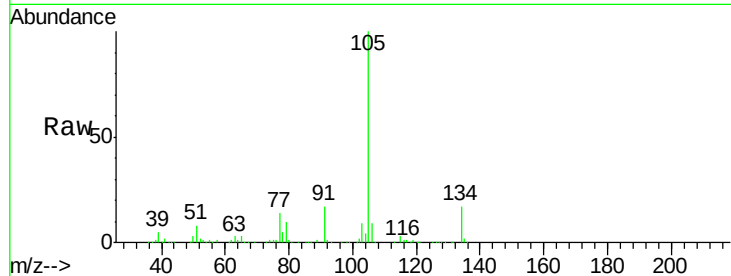
VSTDCCC050

Tot Ion:105 Resp: 2421897

Ion Ratio Lower Upper

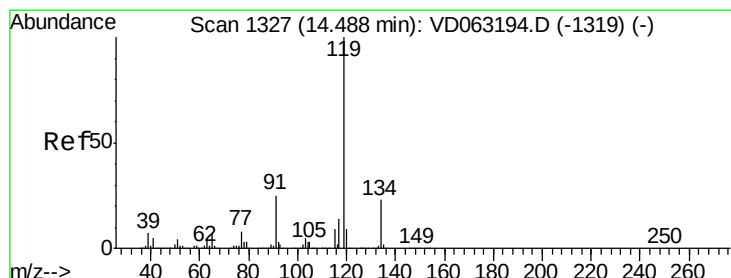
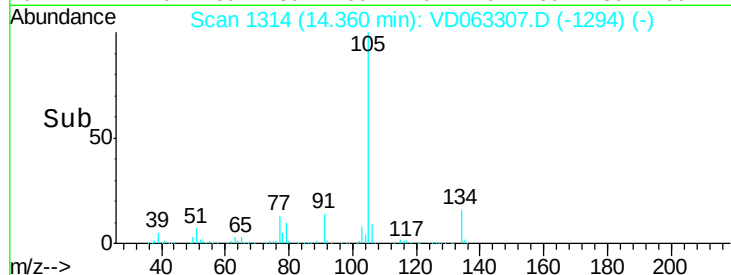
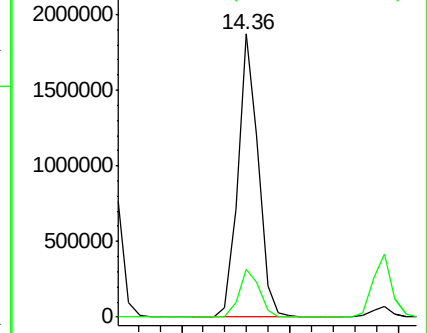
105 100

134 16.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.495 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

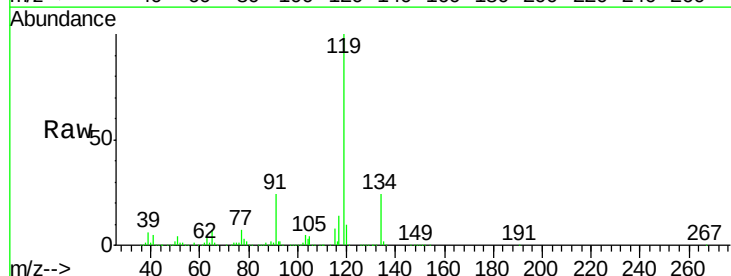
Tgt Ion:119 Resp: 2230675

Ion Ratio Lower Upper

119 100

134 23.6 11.5 34.5

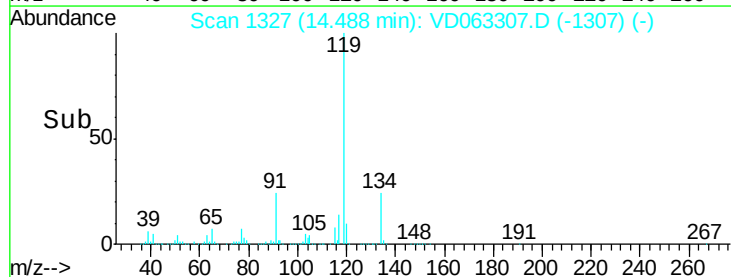
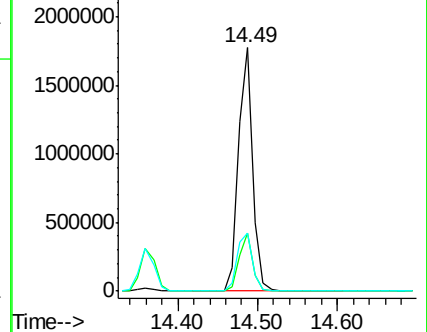
91 24.0 12.6 37.6

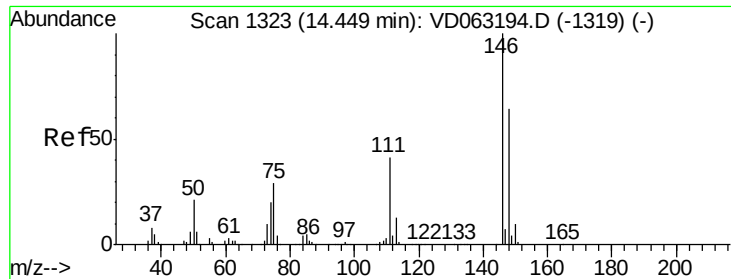


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.373 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

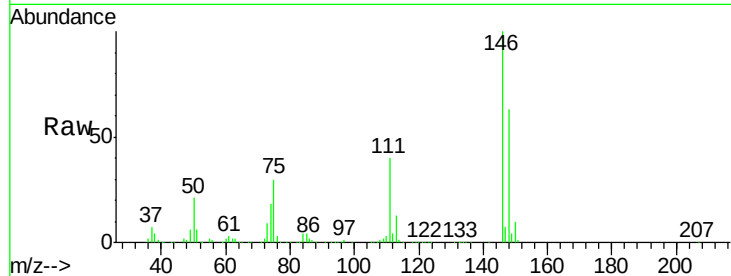
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1155717

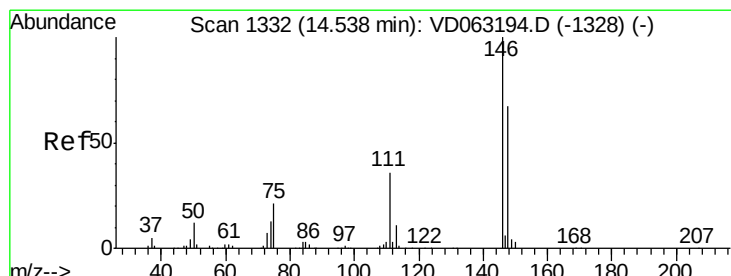
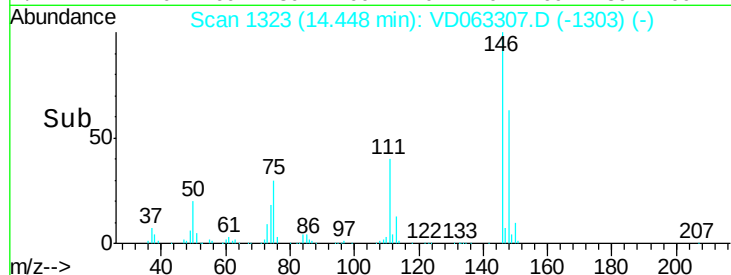
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	62.6	31.8	95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.902 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

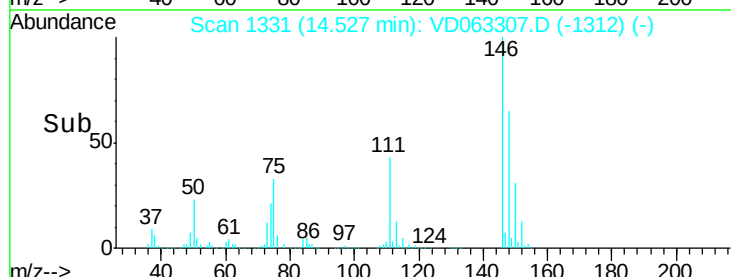
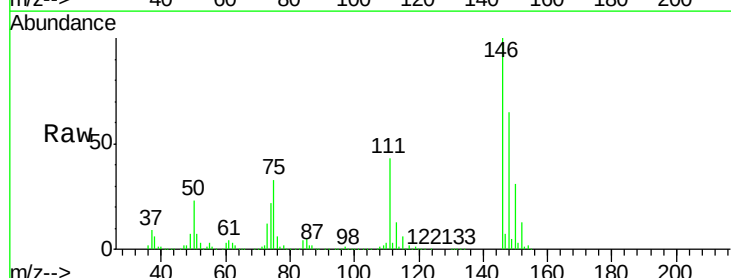
Tgt Ion:146 Resp: 1135853

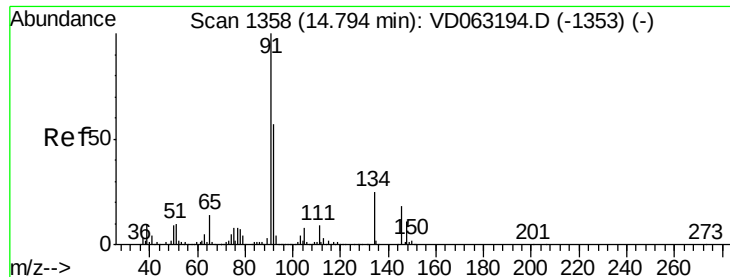
Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.1	54.3
148	64.7	33.4	100.1

Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.116 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063307.D

Acq: 2 Aug 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

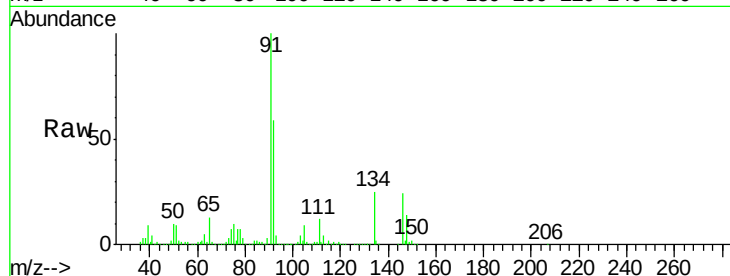
Tot Ion: 91 Resp: 2099480

Ion	Ratio	Lower	Upper
91	100		
92	58.5	28.3	85.0
134	24.6	12.3	36.8

91 100

92 58.5 28.3 85.0

134 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

14.79

2000000

1500000

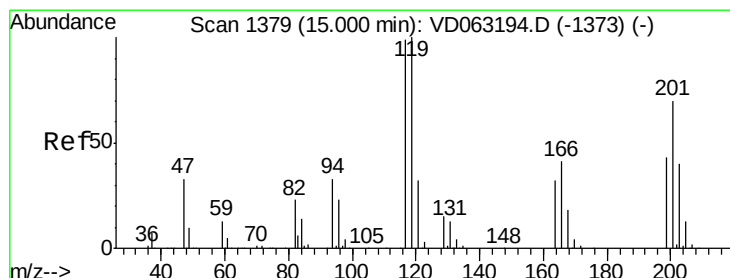
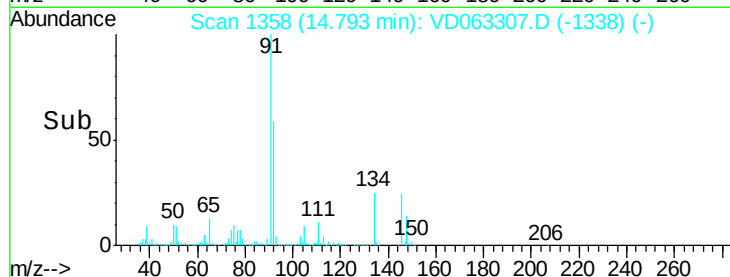
1000000

500000

0

14.70 14.80 14.90 15.00

Time-->



#90

Hexachloroethane

Concen: 56.799 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063307.D

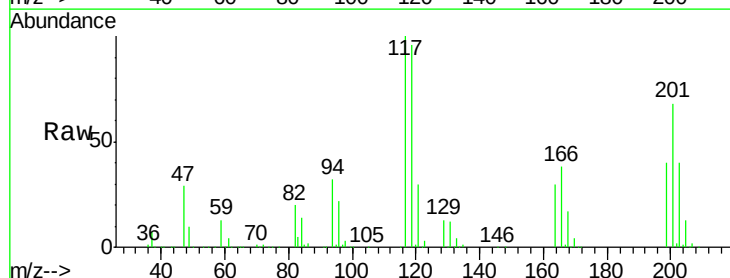
Acq: 2 Aug 2019 10:40

Tgt Ion: 117 Resp: 641028

Ion	Ratio	Lower	Upper
117	100		
201	67.7	35.2	105.6

117 100

201 67.7 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

600000

500000

400000

300000

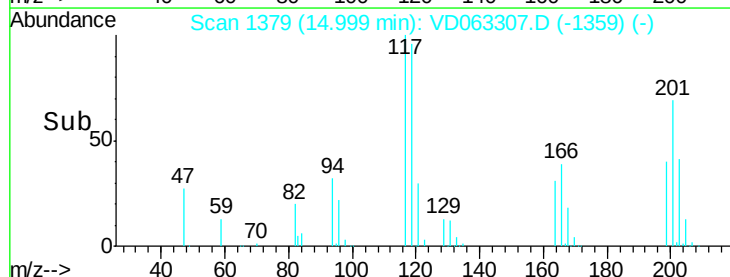
200000

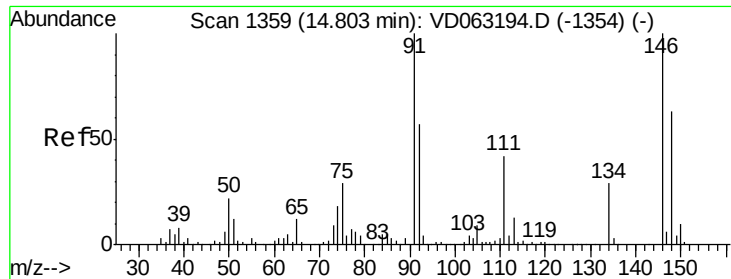
100000

0

14.90 15.00 15.10

Time-->

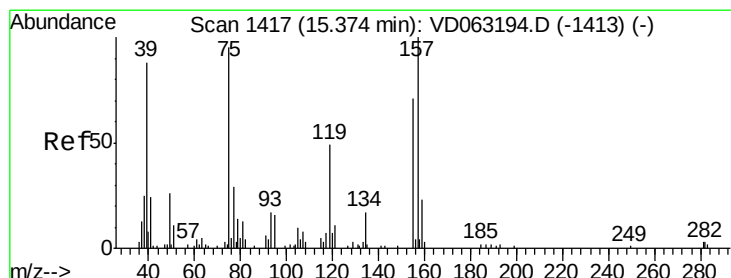
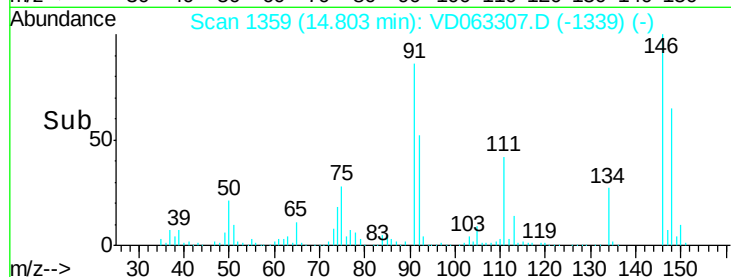
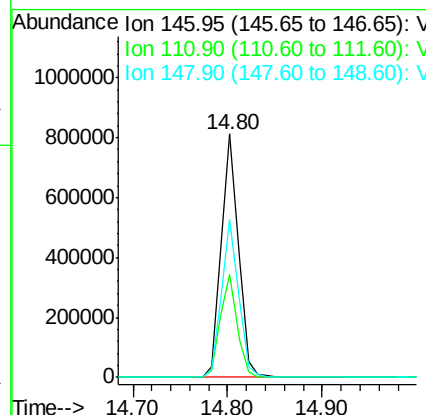
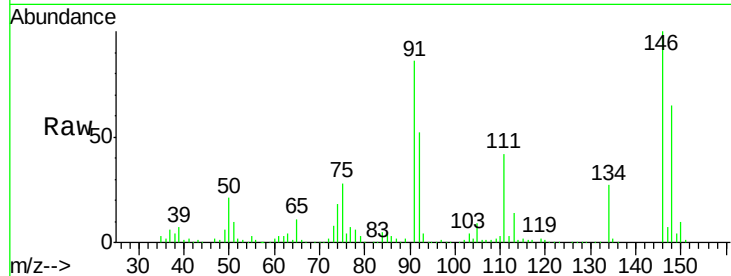




#91
 1,2-Dichlorobenzene
 Concen: 53.383 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

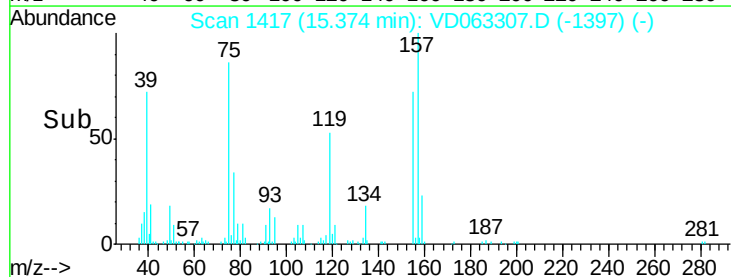
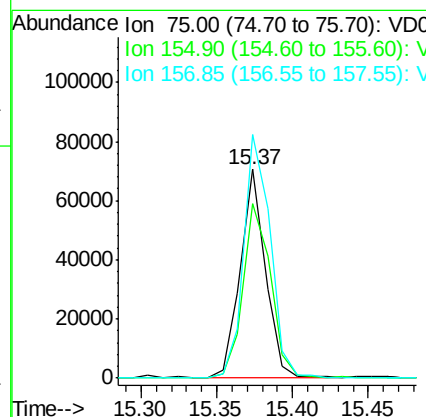
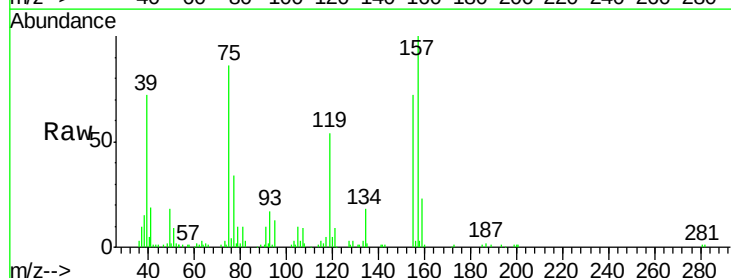
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

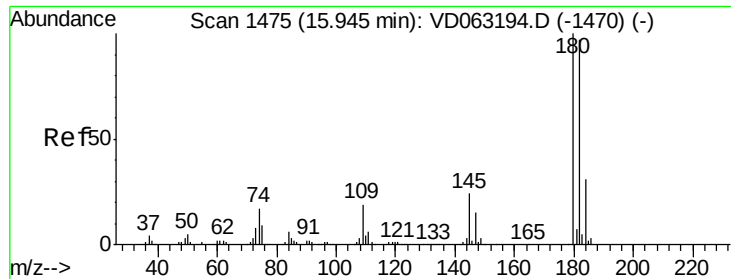
Tot Ion:146 Resp: 1026362
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.3
 148 64.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.744 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion: 75 Resp: 81340
 Ion Ratio Lower Upper
 75 100
 155 83.8 37.0 111.0
 157 116.8 52.4 157.2

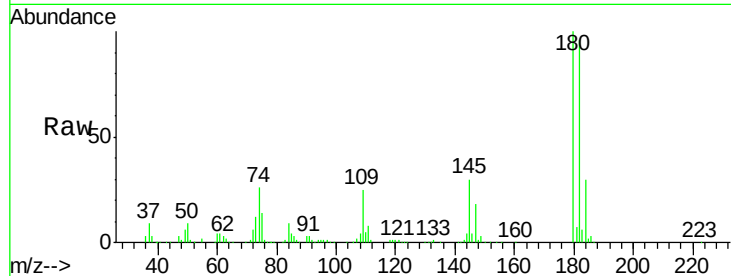




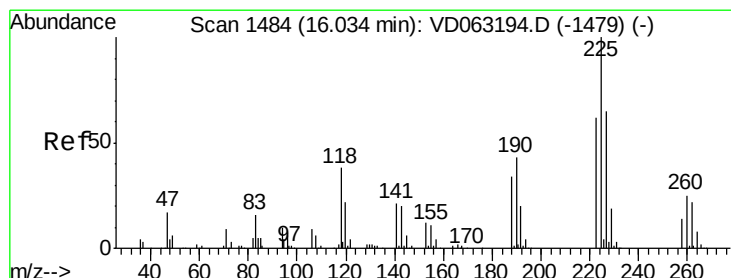
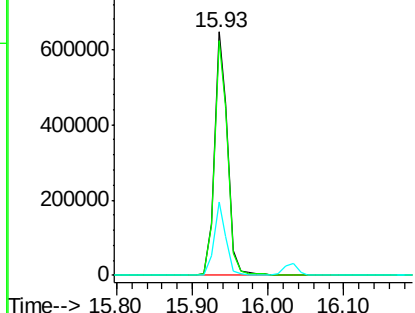
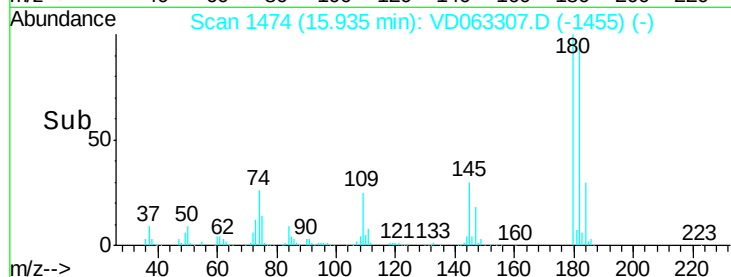
#93
 1,2,4-Trichlorobenzene
 Concen: 52.707 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 803919
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.6 145.8
 145 30.4 12.2 36.6

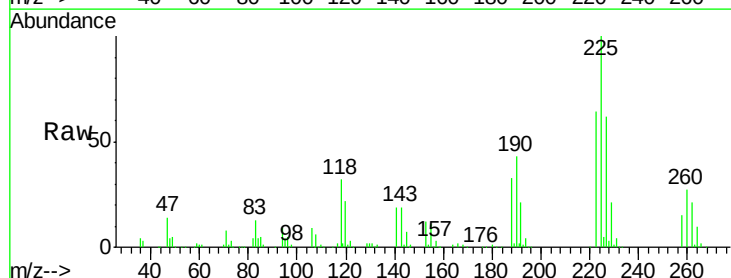


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

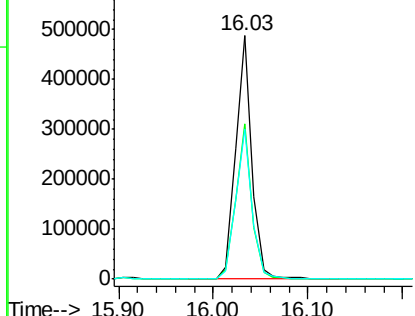
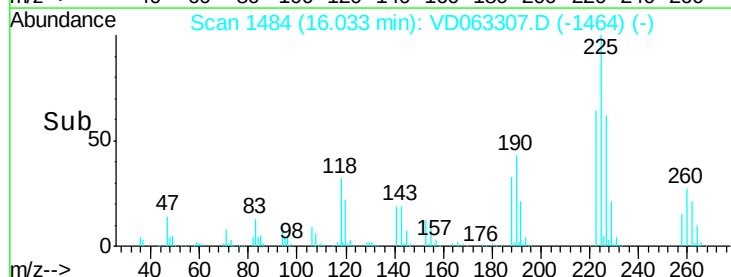


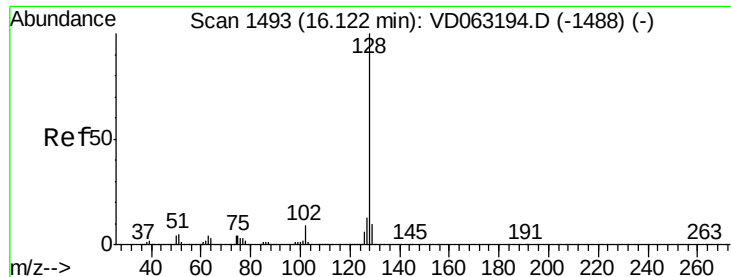
#94
 Hexachlorobutadiene
 Concen: 52.407 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063307.D
 Acq: 2 Aug 2019 10:40

Tgt Ion:225 Resp: 579268
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.5
 227 61.9 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

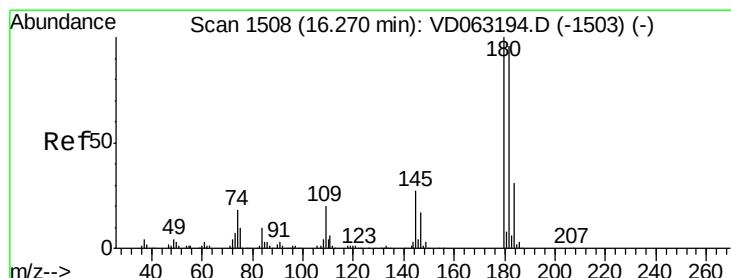
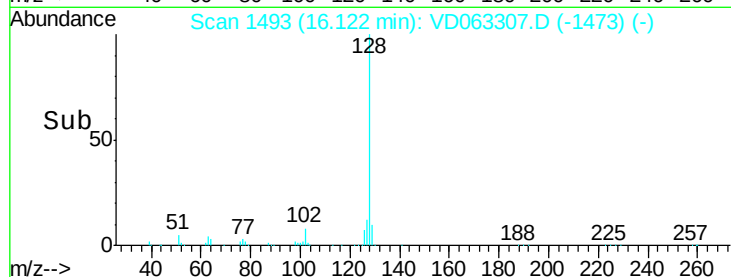
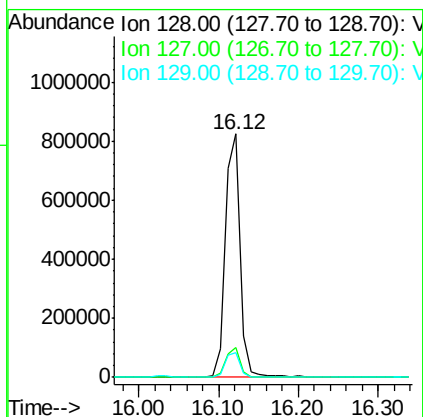
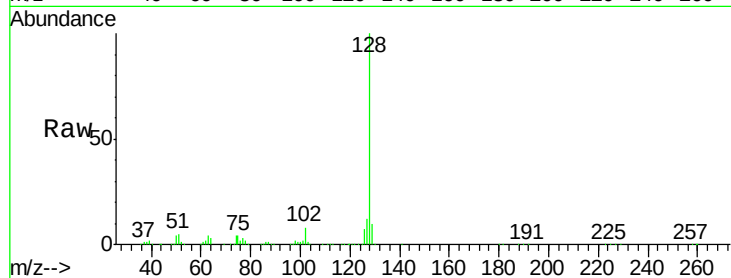




#95
Naphthalene
Concen: 50.190 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1081993
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 52.193 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063307.D
Acq: 2 Aug 2019 10:40

Tgt Ion:180 Resp: 628891
Ion Ratio Lower Upper
180 100
182 93.4 48.3 144.9
145 33.0 13.6 40.7

