

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063253.D
 Acq On : 30 Jul 2019 20:56
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 04:58:10 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	1046720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1407531	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1138645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	587397	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	557295	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	6.91	113	599423	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.40	98	1340859	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	13.55	95	580572	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	548175	42.844	ug/l	97
3) Chloromethane	1.74	50	469663	47.246	ug/l #	89
4) Vinyl Chloride	1.84	62	452873	44.007	ug/l	97
5) Bromomethane	2.14	94	247893	47.762	ug/l	91
6) Chloroethane	2.26	64	227425	47.866	ug/l #	89
7) Trichlorofluoromethane	2.53	101	912477	45.705	ug/l	99
8) Diethyl Ether	2.86	74	123542	44.216	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	549452	49.684	ug/l	98
10) Methyl Iodide	3.30	142	752485	47.101	ug/l	94
11) Tert butyl alcohol	4.07	59	102314	200.736	ug/l #	85
12) 1,1-Dichloroethene	3.12	96	409564	50.447	ug/l	81
13) Acrolein	3.03	56	94045	191.720	ug/l	97
14) Allyl chloride	3.61	41	570884	44.140	ug/l	94
15) Acrylonitrile	4.19	53	292476	221.334	ug/l	93
16) Acetone	3.22	43	466871	206.313	ug/l	99
17) Carbon Disulfide	3.37	76	1238938	45.592	ug/l	98
18) Methyl Acetate	3.63	43	185692	42.720	ug/l	92
19) Methyl tert-butyl Ether	4.23	73	808807	44.103	ug/l	96
20) Methylene Chloride	3.81	84	404457	44.217	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	439901	48.290	ug/l	88
22) Diisopropyl ether	5.12	45	1200839	46.473	ug/l	98
23) Vinyl Acetate	5.05	43	3731559	234.930	ug/l	100
24) 1,1-Dichloroethane	4.97	63	798664	48.389	ug/l	96
25) 2-Butanone	6.06	43	492572	216.892	ug/l	96
26) 2,2-Dichloropropane	6.01	77	760385	44.704	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	468928	48.013	ug/l	92
28) Bromochloromethane	6.43	49	294964	44.854	ug/l #	99
29) Tetrahydrofuran	6.46	42	228692	212.693	ug/l	98
30) Chloroform	6.65	83	992669	48.463	ug/l	98
31) Cyclohexane	6.95	56	476040	46.014	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	988572	49.896	ug/l	99
36) 1,1-Dichloropropene	7.14	75	596387	46.428	ug/l	97
37) Ethyl Acetate	6.18	43	241765	41.893	ug/l	99
38) Carbon Tetrachloride	7.11	117	1051472	54.372	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063253.D
 Acq On : 30 Jul 2019 20:56
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jul 31 04:58:10 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)
39) Methylcyclohexane	8.86	83	534929	49.982	ug/l	94
40) Benzene	7.45	78	1355606	50.354	ug/l	96
41) Methacrylonitrile	6.44	41	317031	45.925	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	672050	47.102	ug/l	100
43) Isopropyl Acetate	9.23	43	336786	45.686	ug/l #	97
44) Trichloroethene	8.53	130	521854	47.837	ug/l	99
45) 1,2-Dichloropropane	8.94	63	307649	44.959	ug/l	99
46) Dibromomethane	9.06	93	275225	48.373	ug/l	95
47) Bromodichloromethane	9.37	83	728908	50.257	ug/l #	98
48) Methyl methacrylate	9.11	41	231538	48.428	ug/l	90
49) 1,4-Dioxane	9.09	88	41892	1034.486	ug/l #	72
51) 4-Methyl-2-Pentanone	10.30	43	1186757	236.715	ug/l	98
52) Toluene	10.50	92	940024	52.498	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	571381	45.695	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	629156	47.876	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	273308	45.195	ug/l	96
56) Ethyl methacrylate	11.03	69	293684	44.350	ug/l	96
57) 1,3-Dichloropropane	11.40	76	458116	48.080	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	768727	223.097	ug/l	97
59) 2-Hexanone	11.53	43	816993	226.133	ug/l	98
60) Dibromochloromethane	11.68	129	547480	47.955	ug/l	97
61) 1,2-Dibromoethane	11.80	107	359754	48.211	ug/l	100
64) Tetrachloroethene	11.25	164	443123	48.850	ug/l	98
65) Chlorobenzene	12.39	112	1104413	50.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	473013	49.031	ug/l	99
67) Ethyl Benzene	12.52	91	1818481	48.877	ug/l	99
68) m/p-Xylenes	12.67	106	1390583	101.916	ug/l	97
69) o-Xylene	13.04	106	687928	54.904	ug/l	100
70) Styrene	13.07	104	1148977	51.708	ug/l	98
71) Bromoform	13.23	173	360303	51.357	ug/l	96
73) Isopropylbenzene	13.40	105	2015435	54.668	ug/l	100
74) N-amyl acetate	13.26	43	486331	49.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	337964	53.968	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	356955	50.593	ug/l	99
77) Bromobenzene	13.66	156	553132	52.668	ug/l	97
78) n-propylbenzene	13.77	91	2281905	52.012	ug/l	100
79) 2-Chlorotoluene	13.84	91	1300222	51.147	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1543805	48.551	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	92992	47.466	ug/l	96
82) 4-Chlorotoluene	13.94	91	1603819	53.608	ug/l	87
83) tert-Butylbenzene	14.18	119	1876608	51.688	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1598778	48.611	ug/l	98
85) sec-Butylbenzene	14.36	105	1989953	52.022	ug/l	100
86) p-Isopropyltoluene	14.49	119	1906302	52.214	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	930273	50.018	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	877663	46.666	ug/l	96
89) n-Butylbenzene	14.79	91	1730490	54.879	ug/l	98
90) Hexachloroethane	15.00	117	463794	48.758	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	869432	53.653	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55828	43.766	ug/l	82

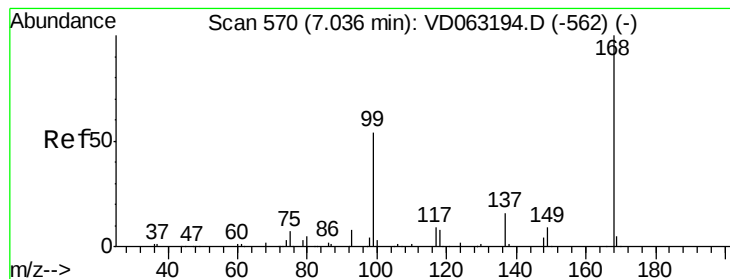
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063253.D
Acq On : 30 Jul 2019 20:56
Operator : VA/AP
Sample : VSTDCCC050EC
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 31 04:58:10 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)
93) 1,2,4-Trichlorobenzene	15.94	180	646585	50.297	ug/l	95
94) Hexachlorobutadiene	16.04	225	462533	49.650	ug/l	99
95) Naphthalene	16.11	128	863350	47.516	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	480049	47.270	ug/l	99

(#) = 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: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

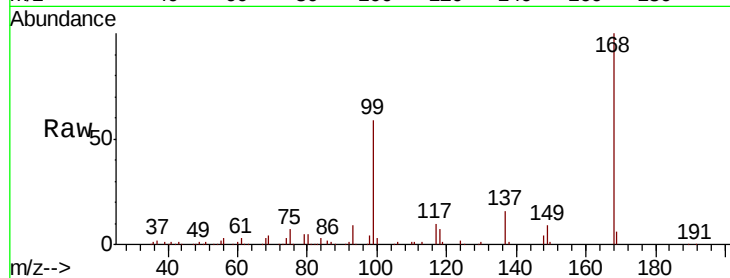
VSTDCCC050EC

Tot Ion:168 Resp: 1046720

Ion Ratio Lower Upper

168 100

99 59.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

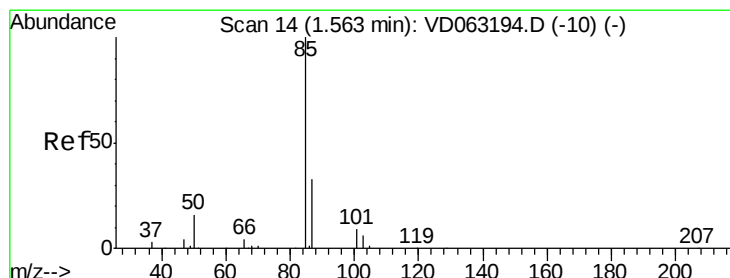
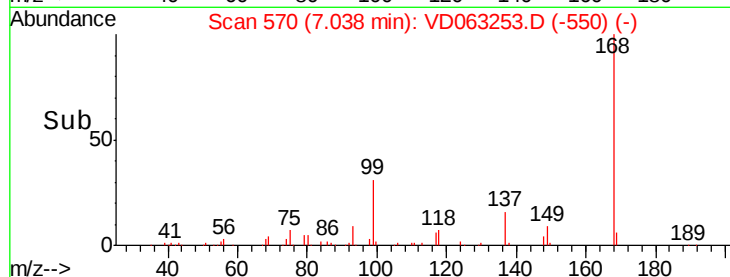
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.844 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063253.D

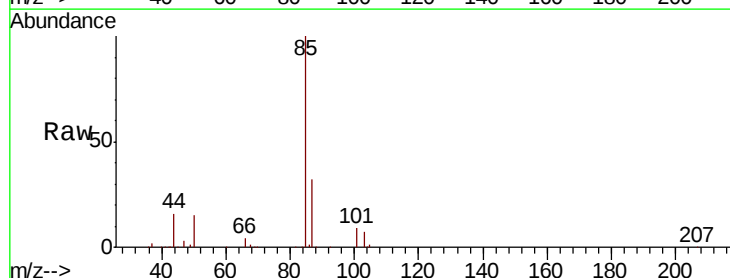
Acq: 30 Jul 2019 20:56

Tgt Ion: 85 Resp: 548175

Ion Ratio Lower Upper

85 100

87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

150000

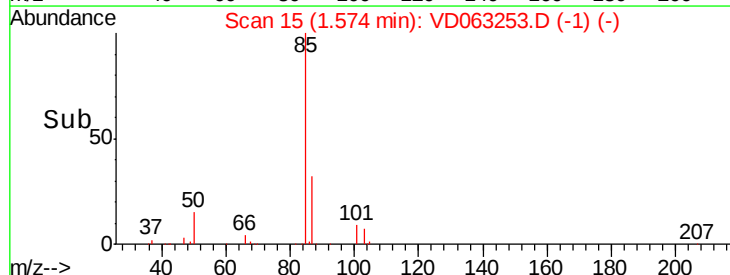
100000

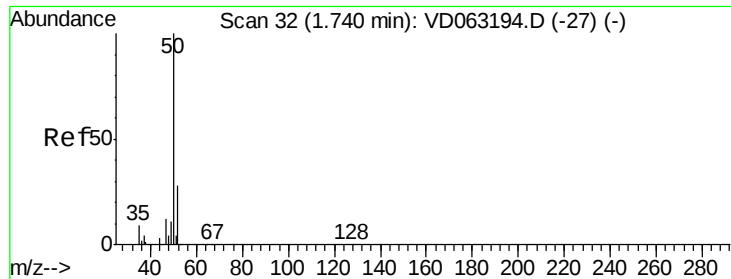
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 47.246 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

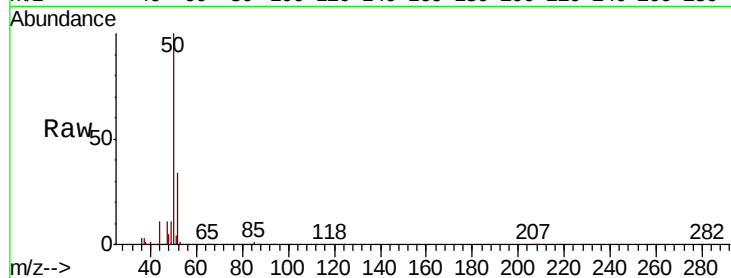
VSTDCCC050EC

Tot Ion: 50 Resp: 469663

Ion Ratio Lower Upper

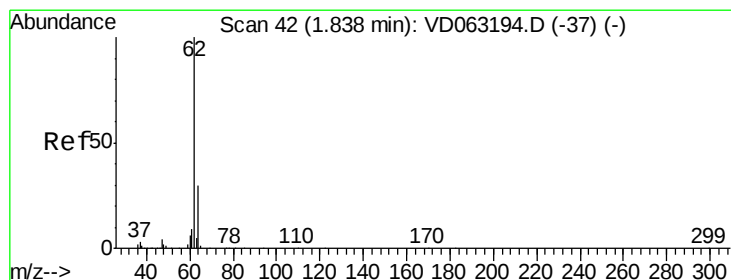
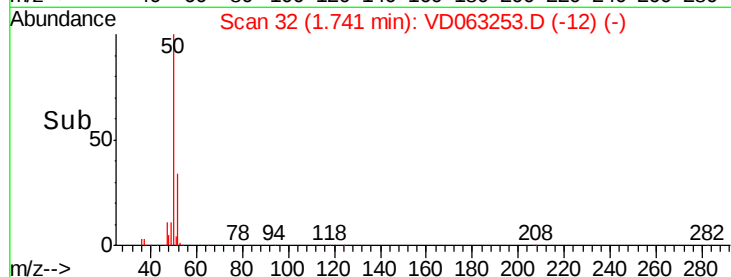
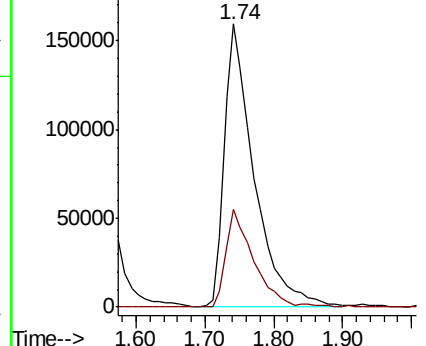
50 100

52 34.4 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: 44.007 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063253.D

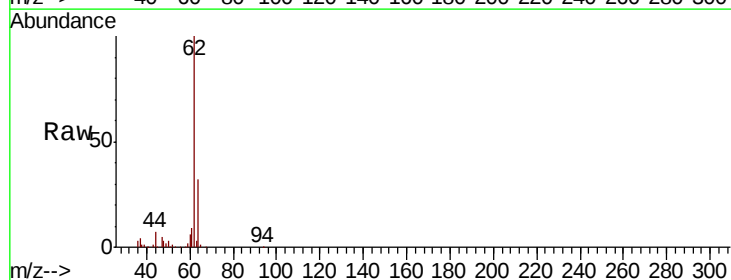
Acq: 30 Jul 2019 20:56

Tgt Ion: 62 Resp: 452873

Ion Ratio Lower Upper

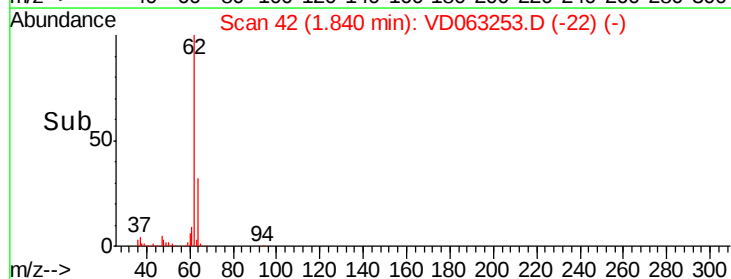
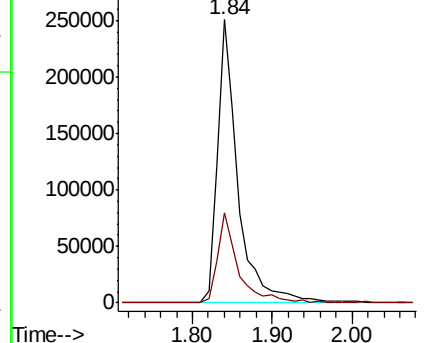
62 100

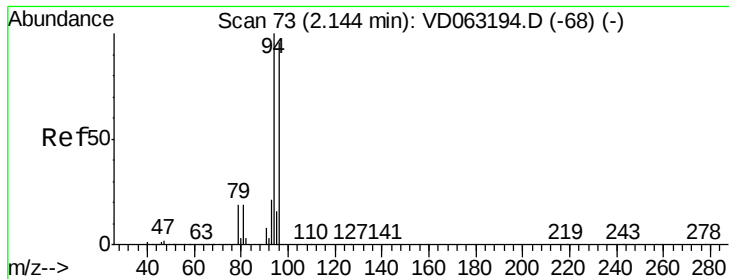
64 32.0 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.762 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

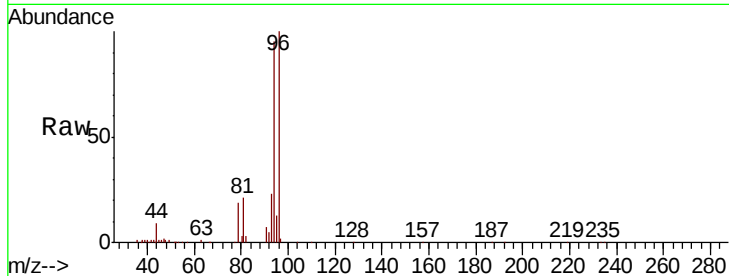
Tot Ion: 94 Resp: 247893

Ion Ratio Lower Upper

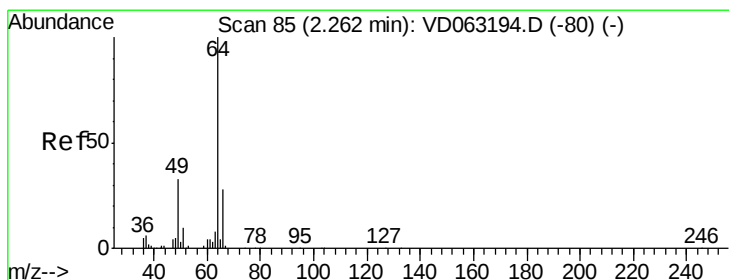
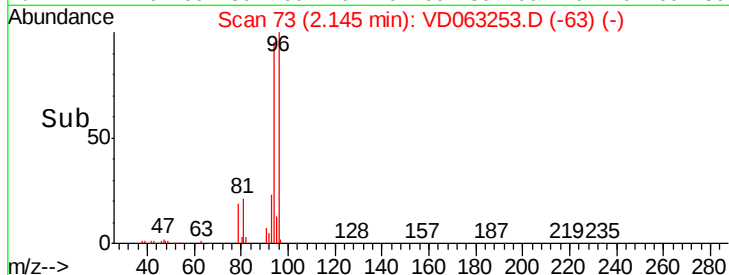
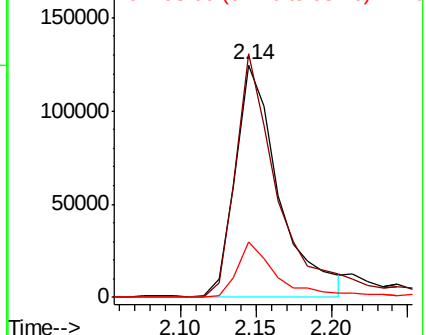
94 100

96 104.9 76.4 114.6

93 23.8 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: 47.866 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063253.D

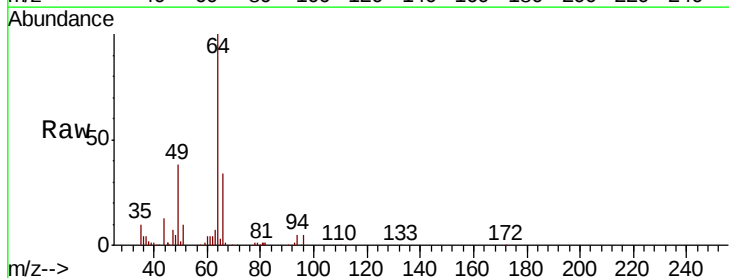
Acq: 30 Jul 2019 20:56

Tgt Ion: 64 Resp: 227425

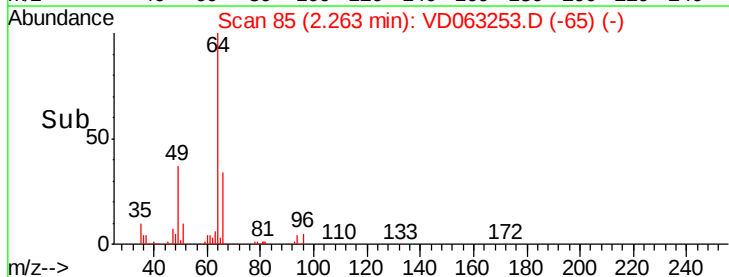
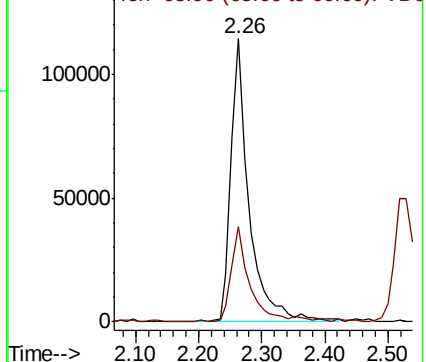
Ion Ratio Lower Upper

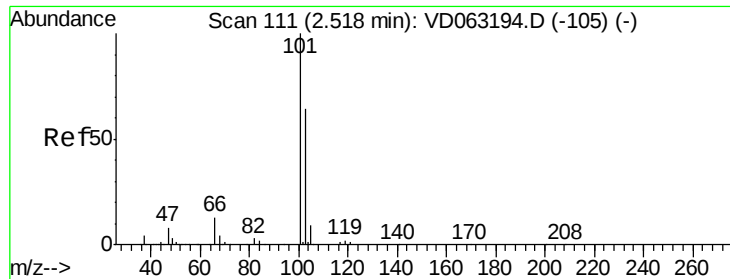
64 100

66 33.6 22.2 33.2#



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



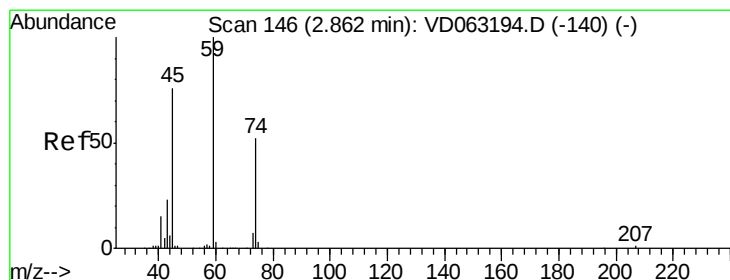
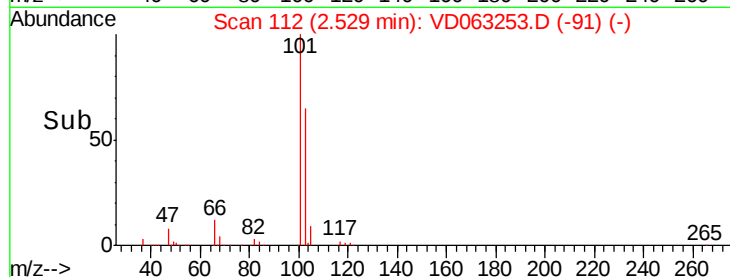
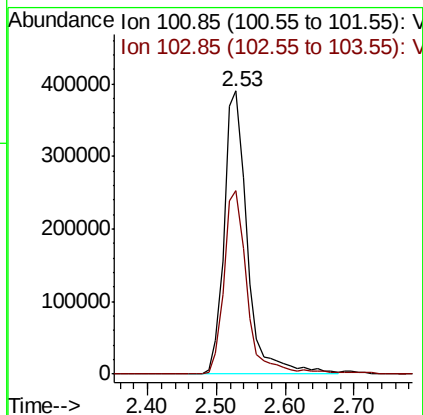
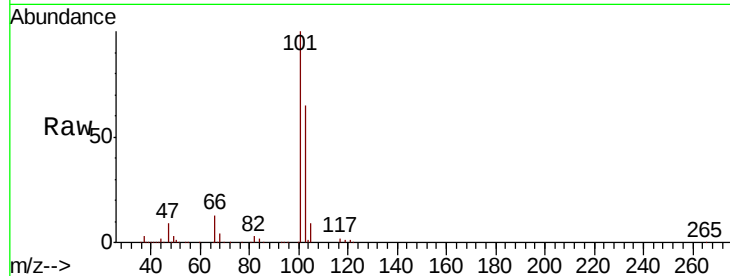


#7

Trichlorofluoromethane
 Concen: 45.705 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

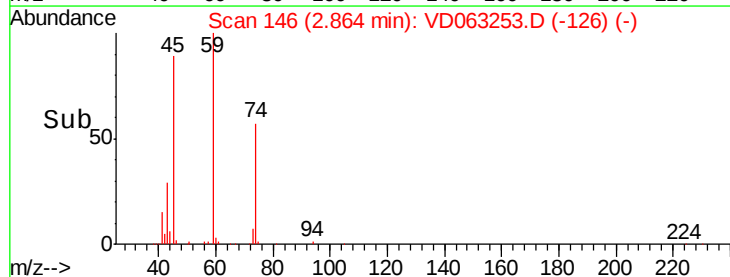
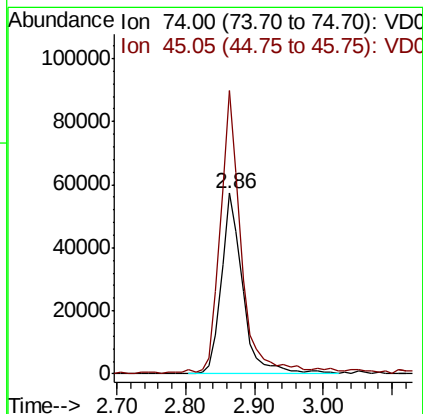
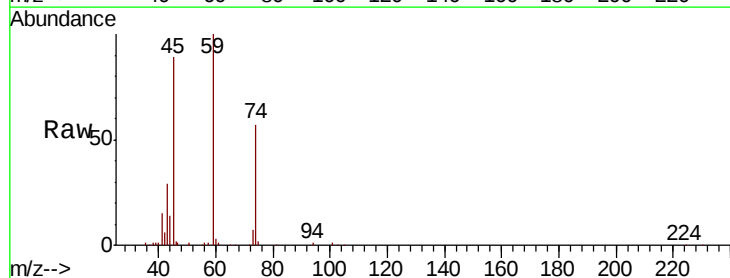
Tot Ion:101 Resp: 912477
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.5 77.3

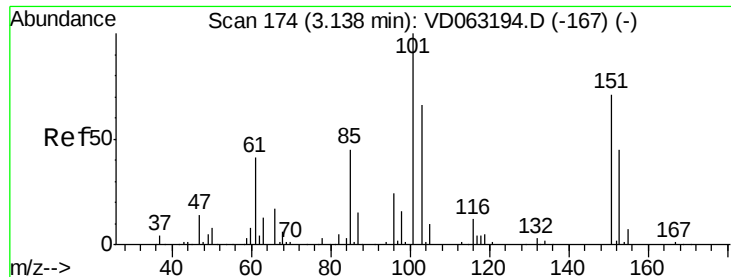


#8

Diethyl Ether
 Concen: 44.216 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 74 Resp: 123542
 Ion Ratio Lower Upper
 74 100
 45 156.6 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.684 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

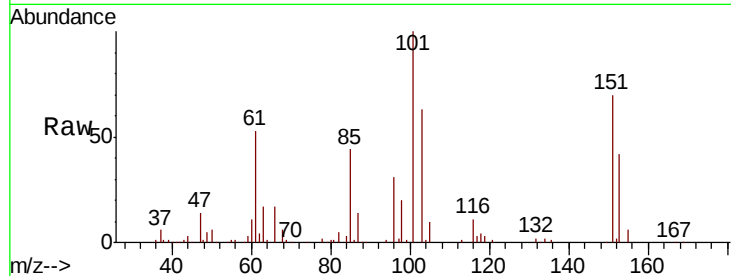
Tot Ion:101 Resp: 549452

Ion Ratio Lower Upper

101 100

85 43.7 36.1 54.1

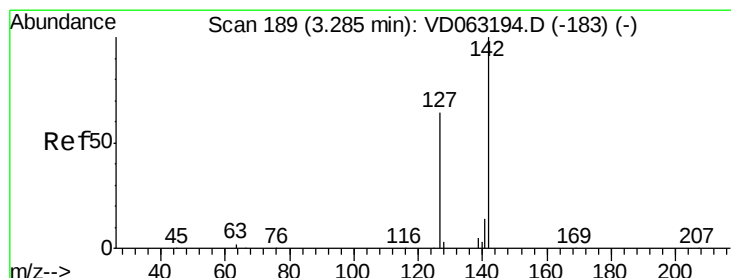
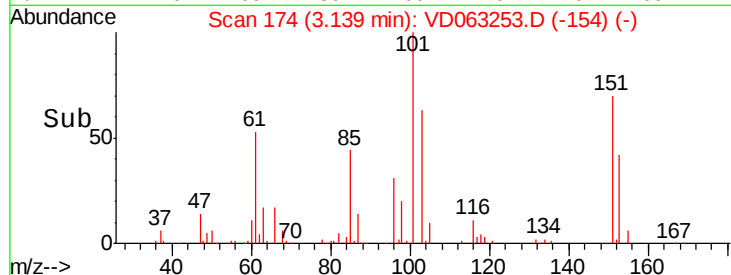
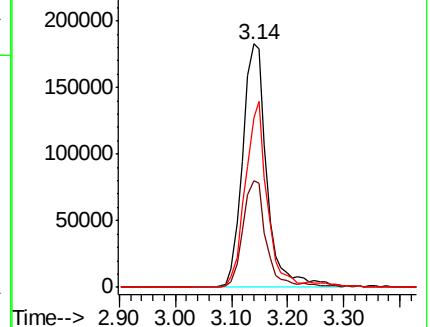
151 69.8 57.1 85.7



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: 47.101 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

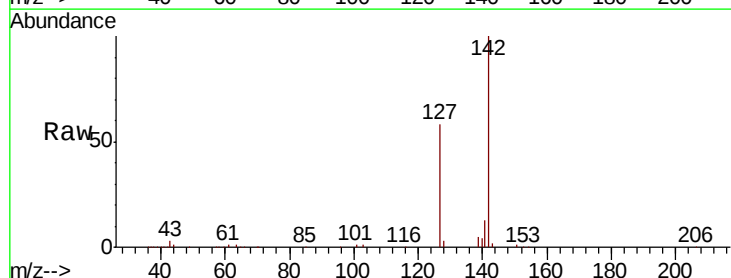
Tgt Ion:142 Resp: 752485

Ion Ratio Lower Upper

142 100

127 58.3 50.8 76.2

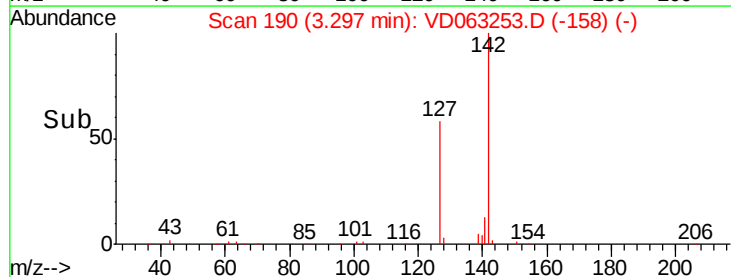
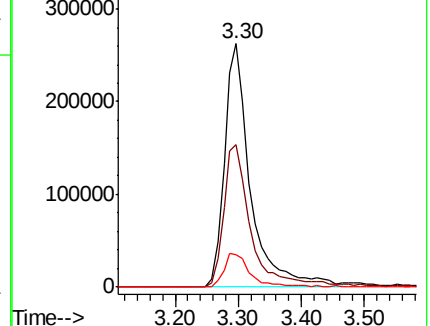
141 13.3 11.4 17.2

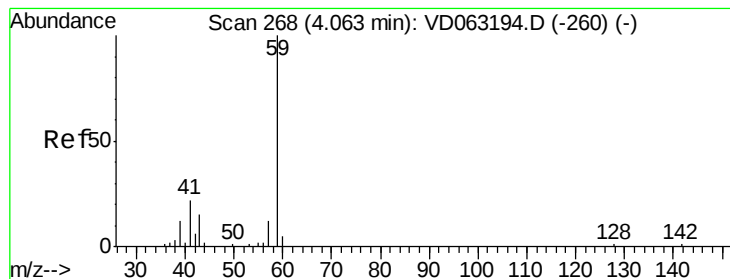


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



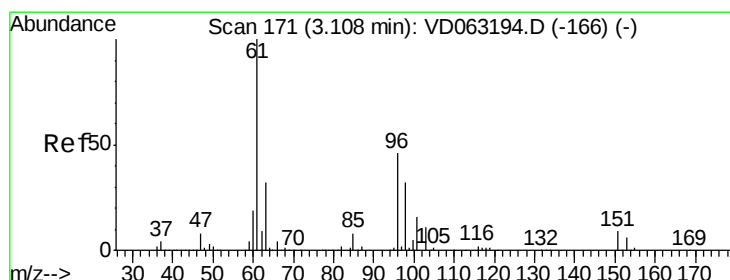
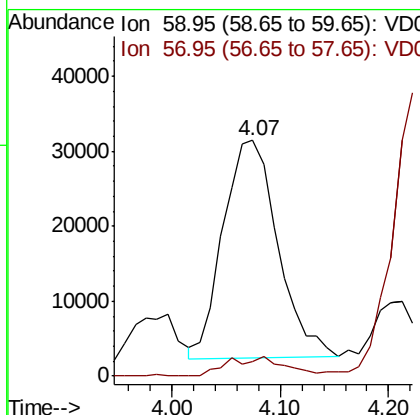
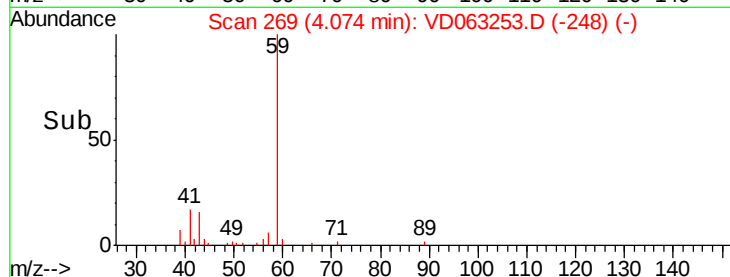
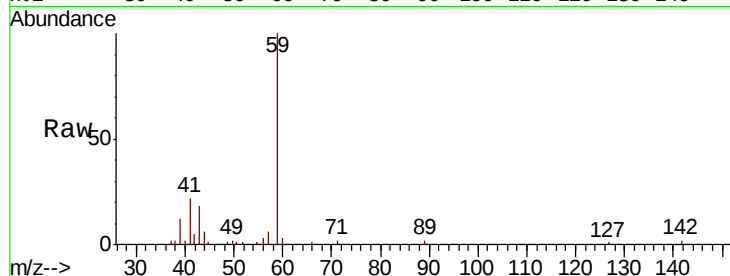


#11

Tert butyl alcohol
 Concen: 200.736 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

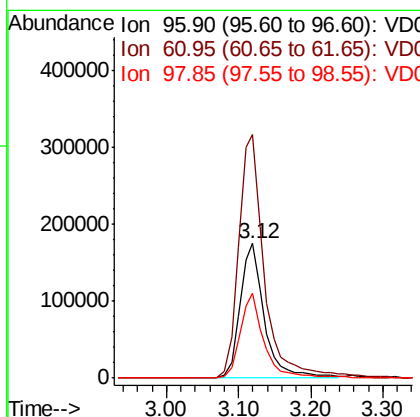
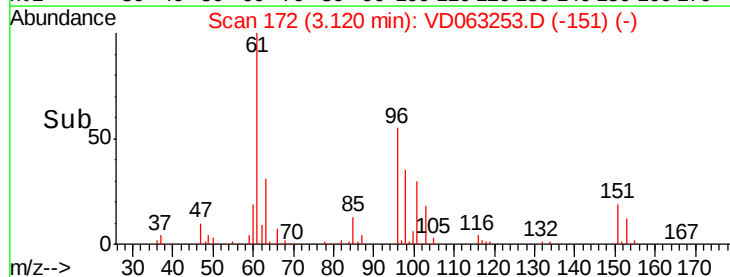
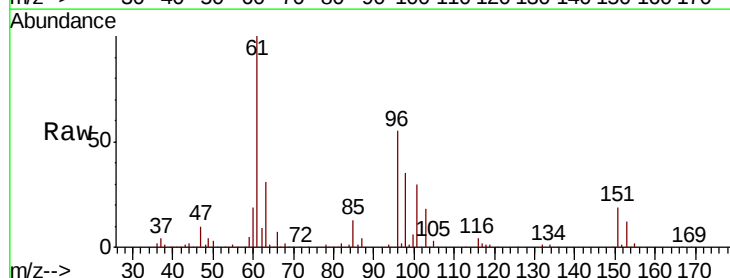
Tot Ion: 59 Resp: 102314
 Ion Ratio Lower Upper
 59 100
 57 6.4 9.6 14.4#

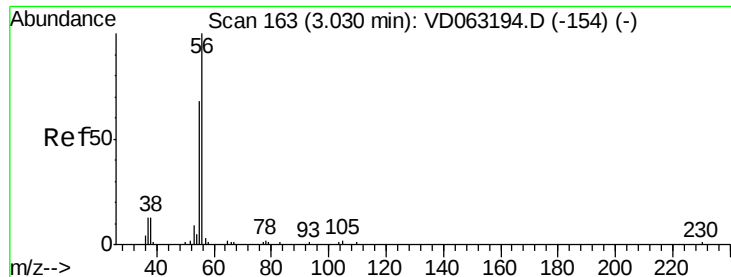


#12

1,1-Dichloroethene
 Concen: 50.447 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 96 Resp: 409564
 Ion Ratio Lower Upper
 96 100
 61 180.7 173.7 260.5
 98 63.1 55.8 83.8

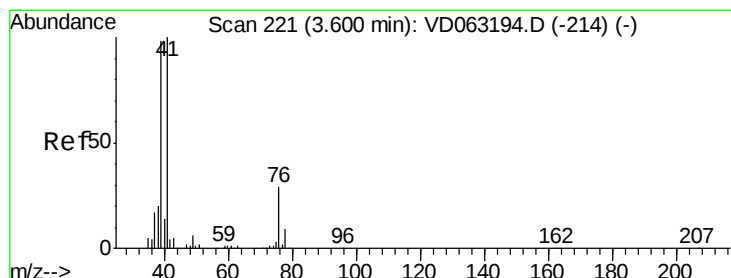
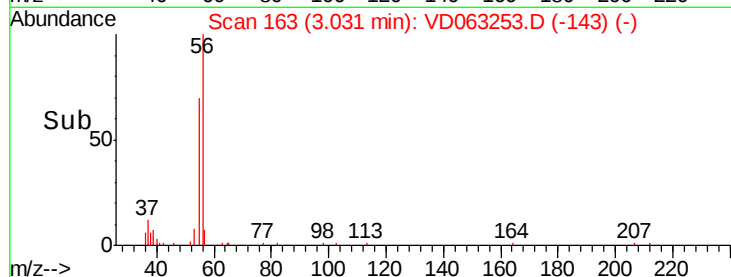
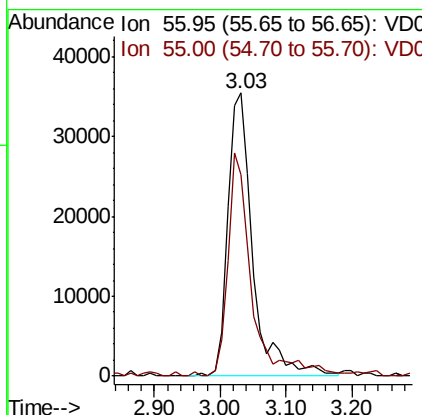
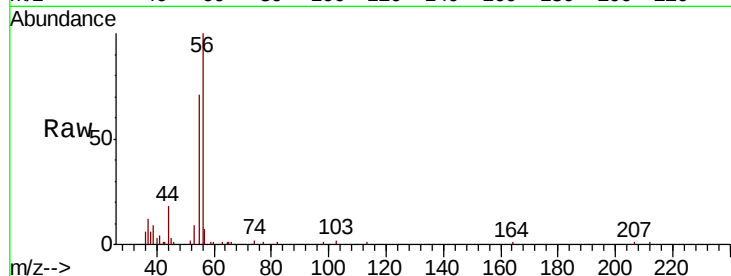




#13
Acrolein
Concen: 191.720 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

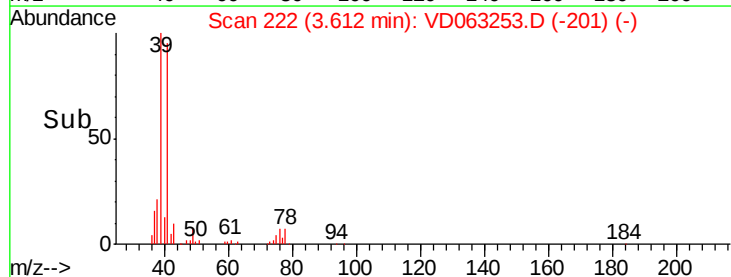
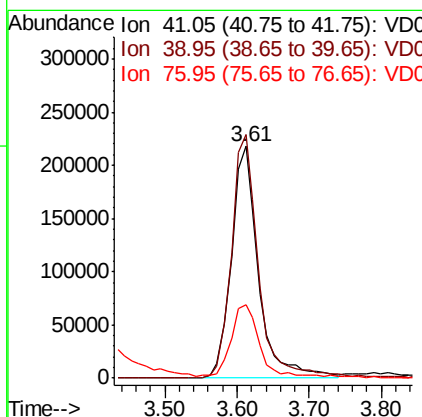
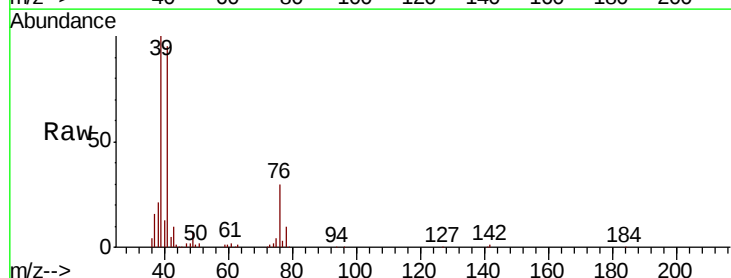
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

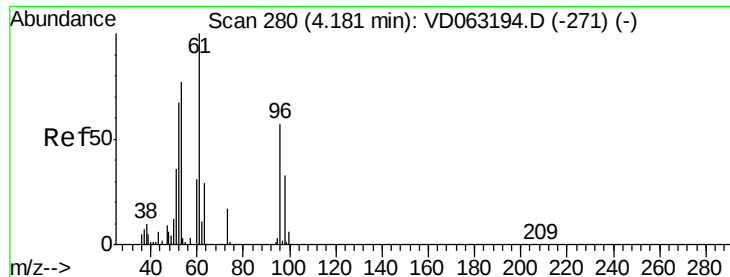
Tot Ion: 56 Resp: 94045
Ion Ratio Lower Upper
56 100
55 71.4 55.3 82.9



#14
Allyl chloride
Concen: 44.140 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 41 Resp: 570884
Ion Ratio Lower Upper
41 100
39 104.9 78.6 117.8
76 31.8 24.5 36.7





#15

Acrylonitrile

Concen: 221.334 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

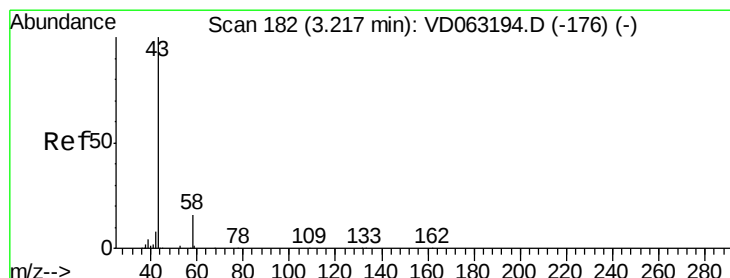
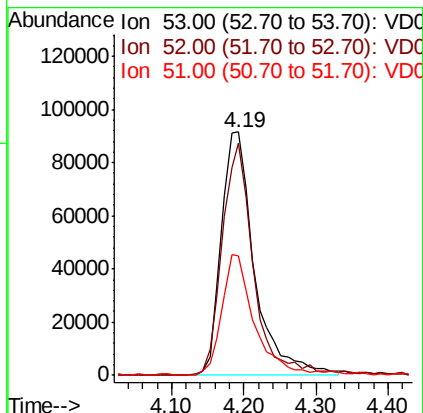
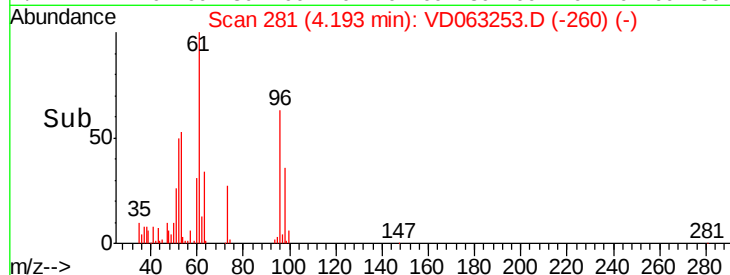
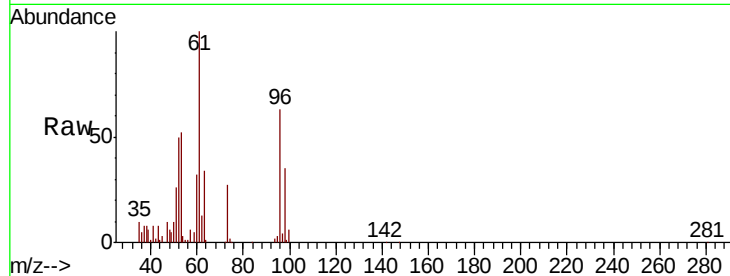
Tot Ion: 53 Resp: 292476

Ion Ratio Lower Upper

53 100

52 95.1 69.7 104.5

51 49.1 37.4 56.0



#16

Acetone

Concen: 206.313 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063253.D

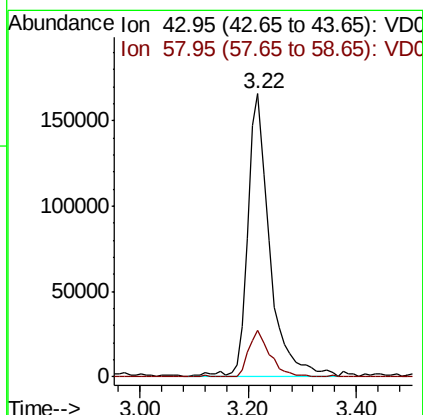
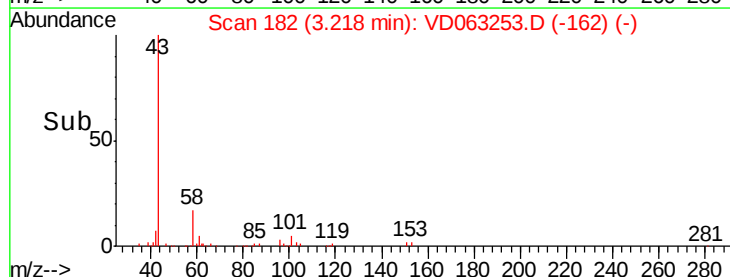
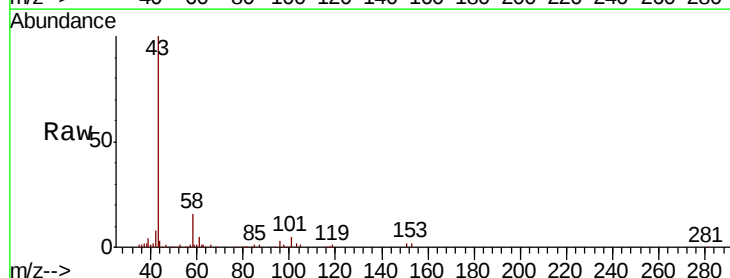
Acq: 30 Jul 2019 20:56

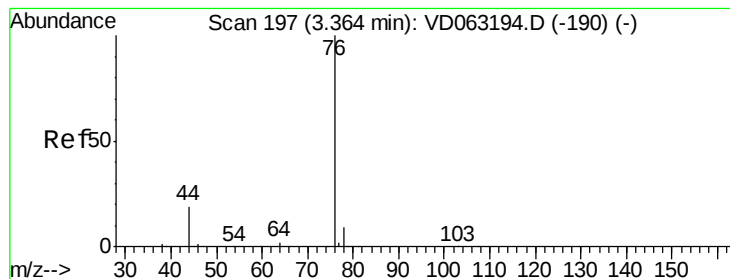
Tgt Ion: 43 Resp: 466871

Ion Ratio Lower Upper

43 100

58 16.4 13.0 19.4





#17

Carbon Disulfide

Concen: 45.592 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

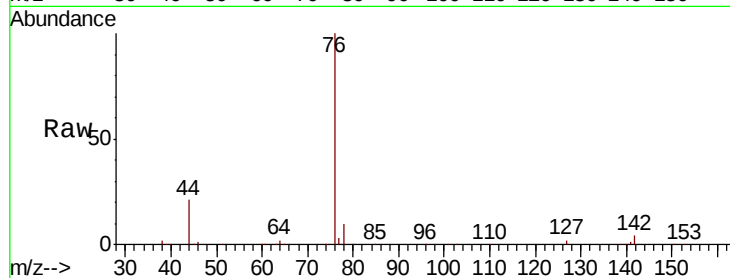
VSTDCCC050EC

Tot Ion: 76 Resp: 1238938

Ion Ratio Lower Upper

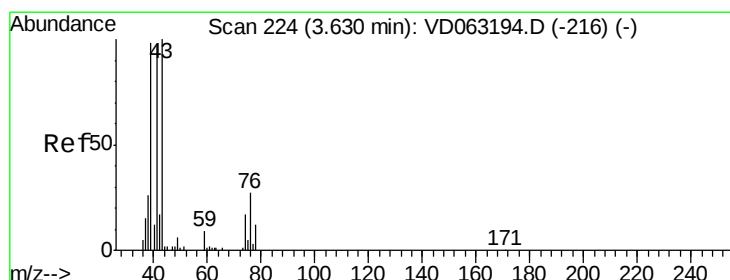
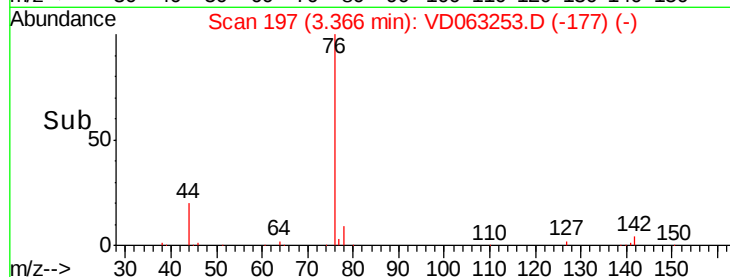
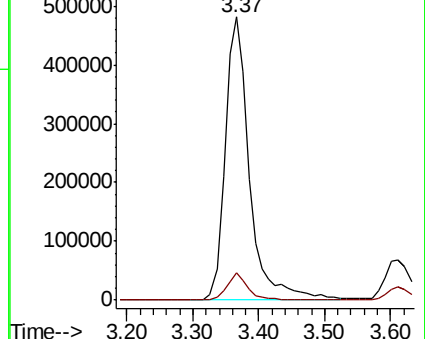
76 100

78 9.9 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: 42.720 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063253.D

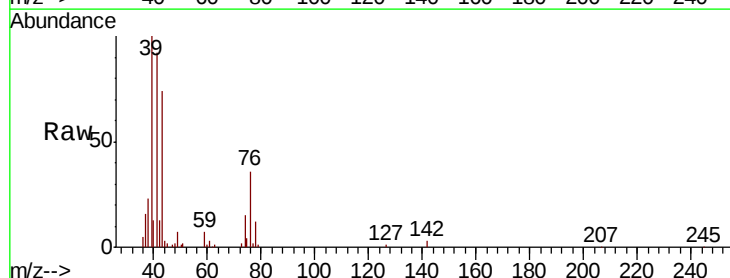
Acq: 30 Jul 2019 20:56

Tgt Ion: 43 Resp: 185692

Ion Ratio Lower Upper

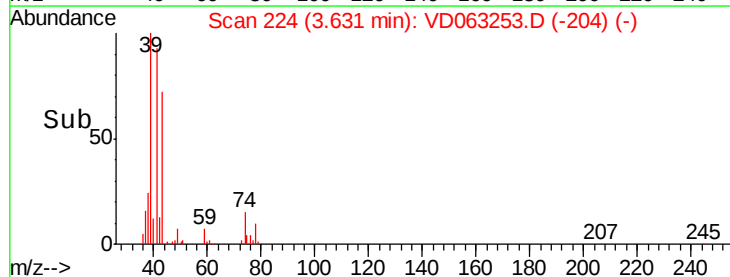
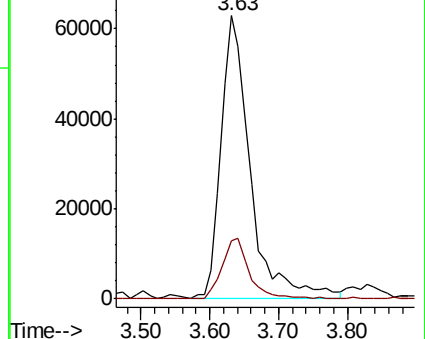
43 100

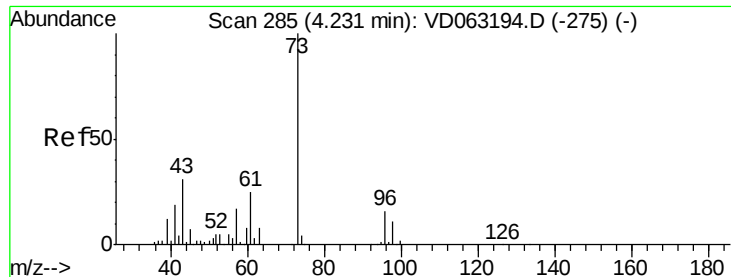
74 20.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

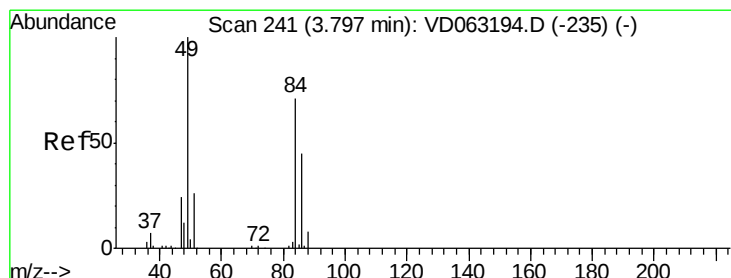
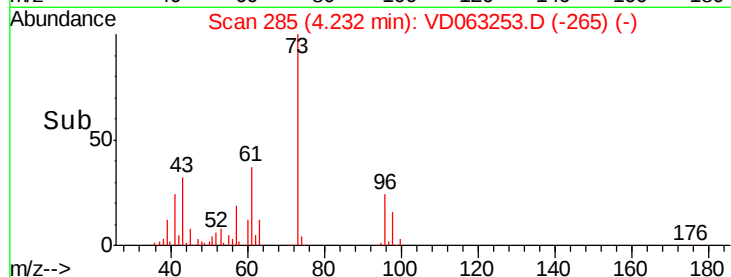
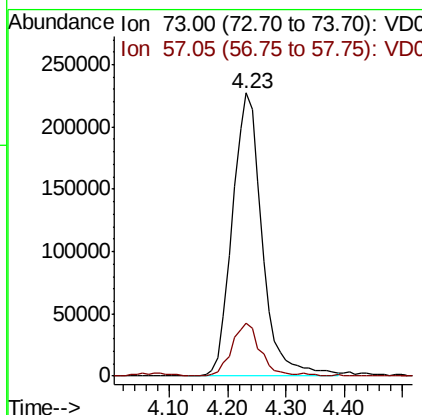
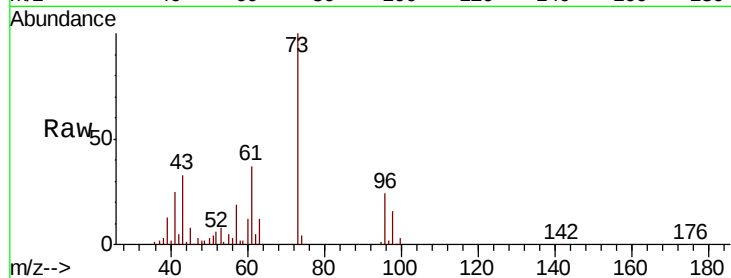




#19
Methyl tert-butyl Ether
Concen: 44.103 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

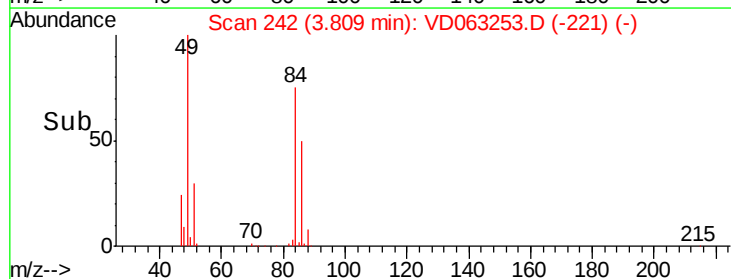
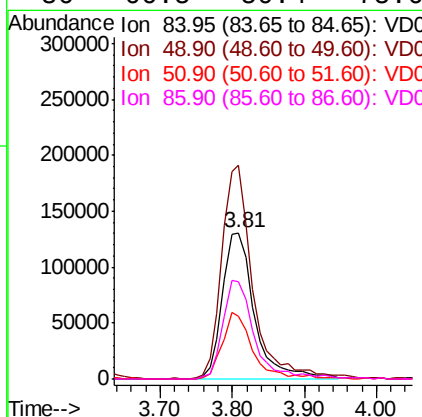
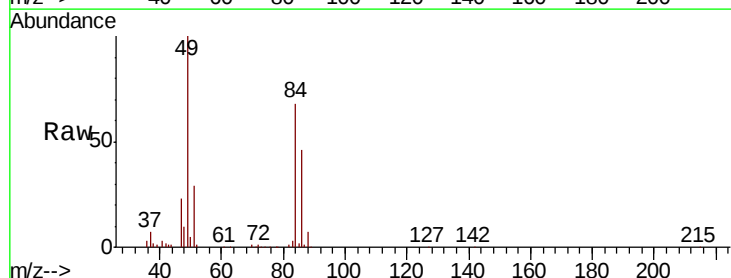
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

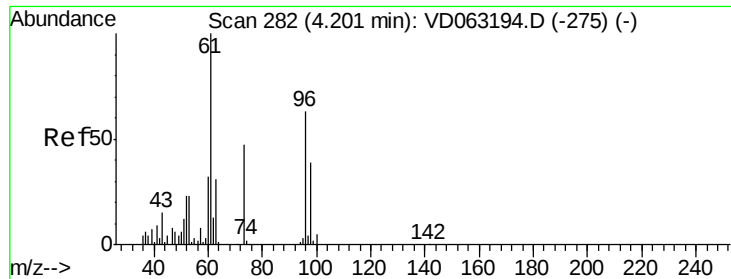
Tot Ion: 73 Resp: 808807
Ion Ratio Lower Upper
73 100
57 18.9 13.8 20.6



#20
Methylene Chloride
Concen: 44.217 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 84 Resp: 404457
Ion Ratio Lower Upper
84 100
49 146.2 112.5 168.7
51 43.0 29.6 44.4
86 66.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 48.290 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

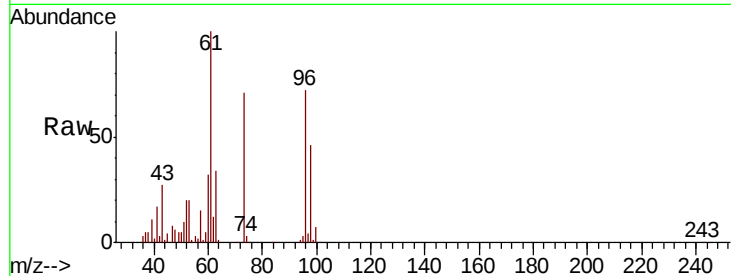
Tot Ion: 96 Resp: 439901

Ion Ratio Lower Upper

96 100

61 138.5 127.4 191.2

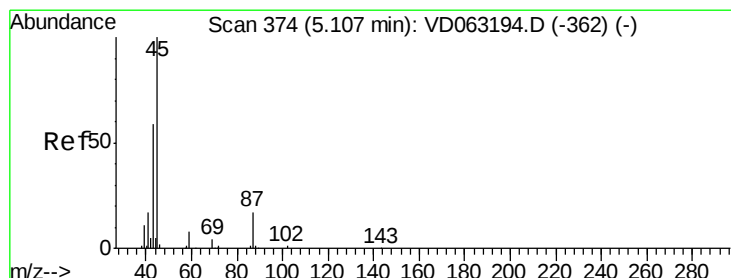
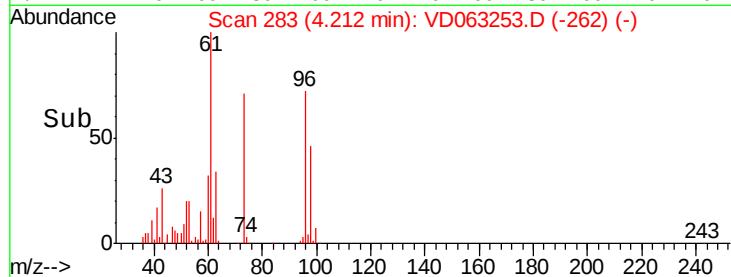
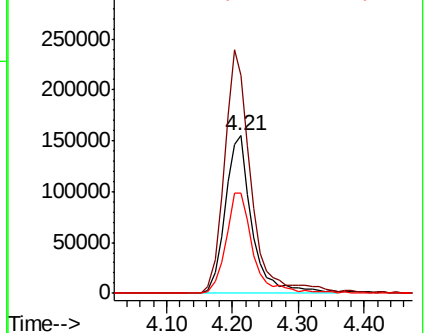
98 63.4 49.3 73.9



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: 46.473 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Tgt Ion: 45 Resp: 1200839

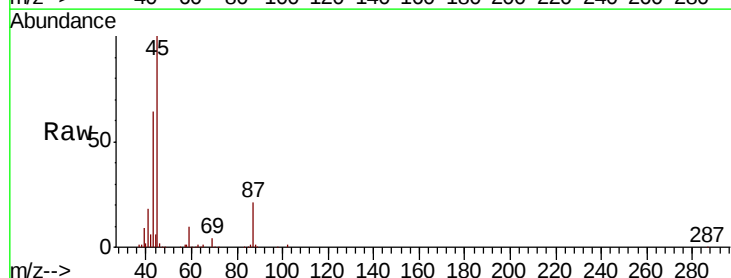
Ion Ratio Lower Upper

45 100

43 63.7 51.7 77.5

87 20.5 14.6 21.8

59 9.6 6.6 10.0

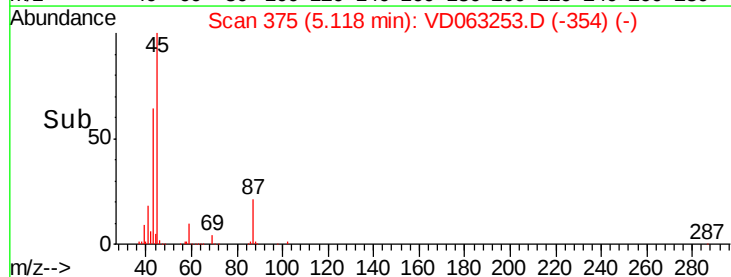
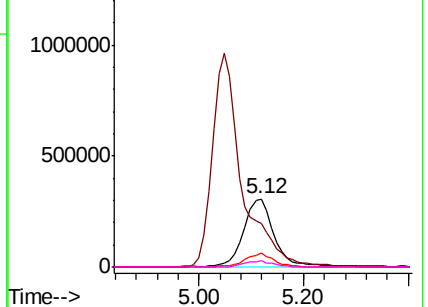


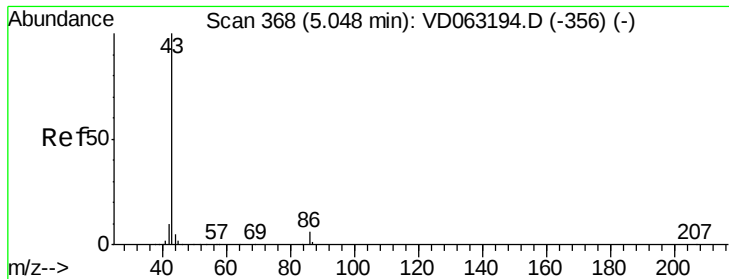
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 234.930 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

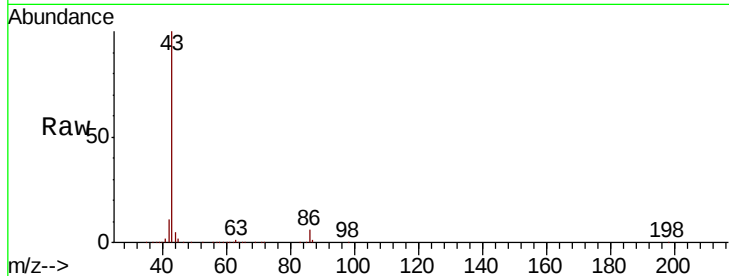
VSTDCCC050EC

Tot Ion: 43 Resp: 3731559

Ion Ratio Lower Upper

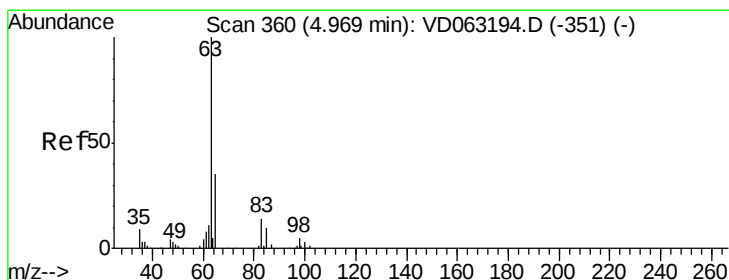
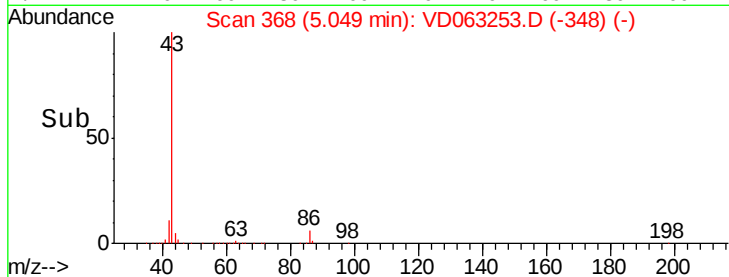
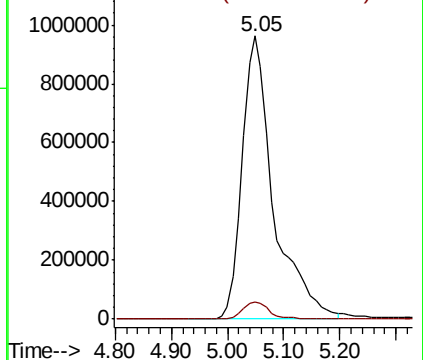
43 100

86 6.2 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: 48.389 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

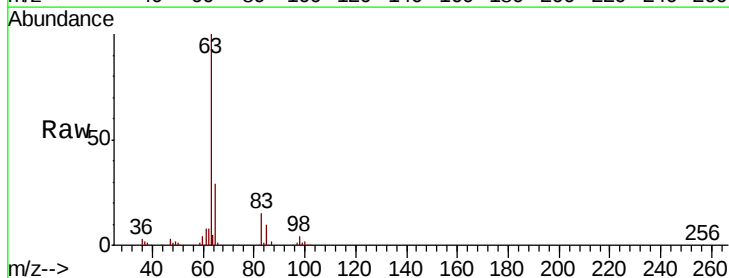
Tgt Ion: 63 Resp: 798664

Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.4

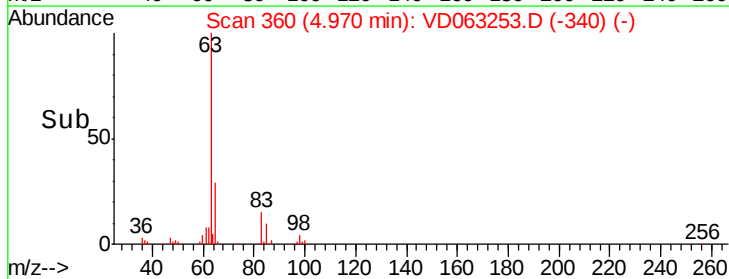
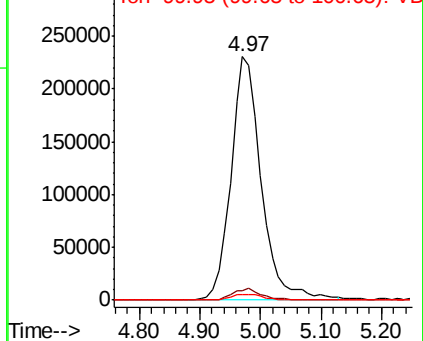
100 2.3 1.3 3.9

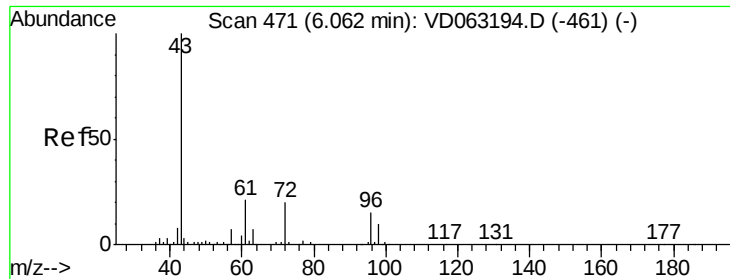


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 216.892 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

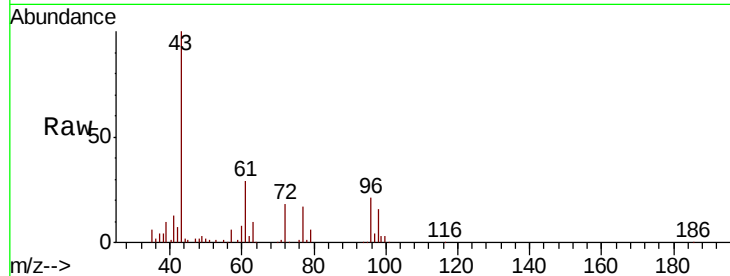
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 492572

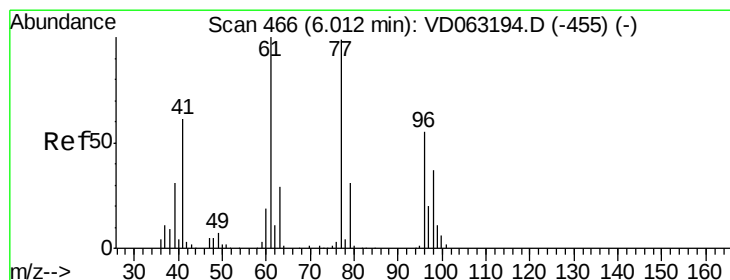
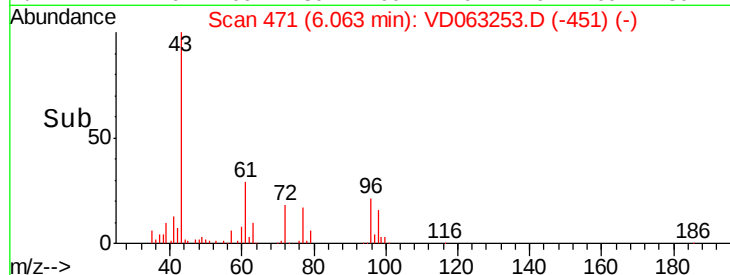
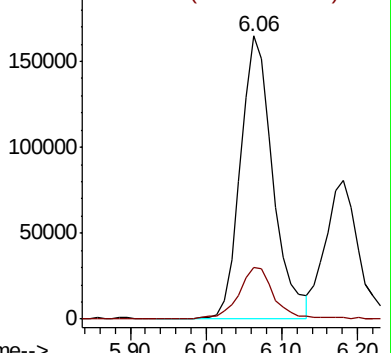
Ion Ratio Lower Upper

43 100

72 18.4 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.704 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063253.D

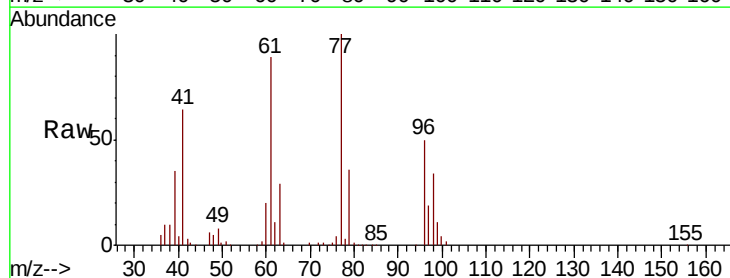
Acq: 30 Jul 2019 20:56

Tgt Ion: 77 Resp: 760385

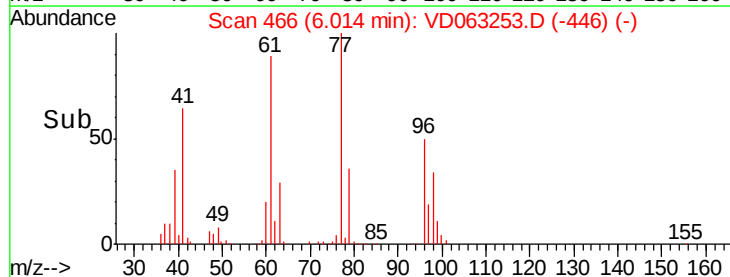
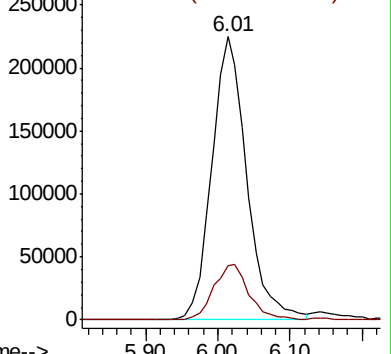
Ion Ratio Lower Upper

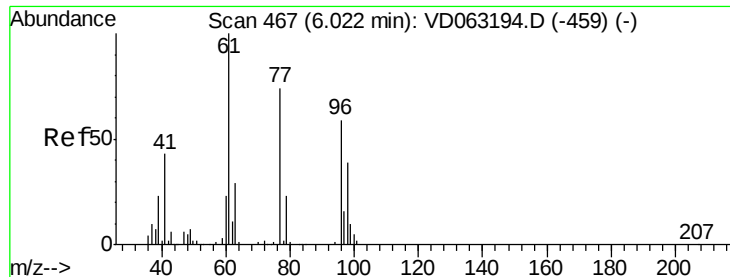
77 100

97 19.3 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



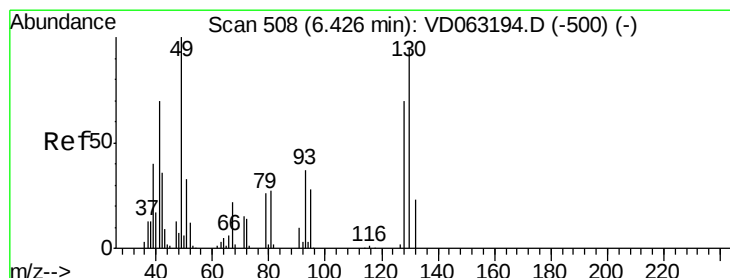
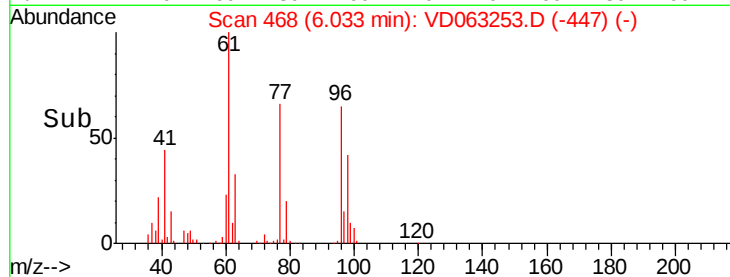
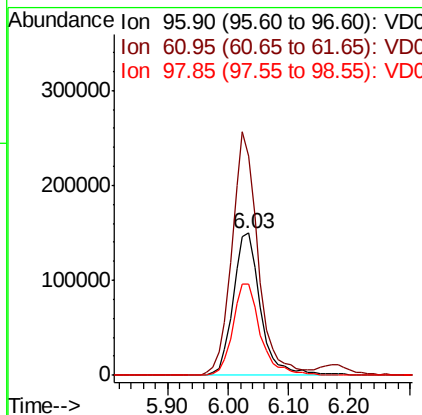
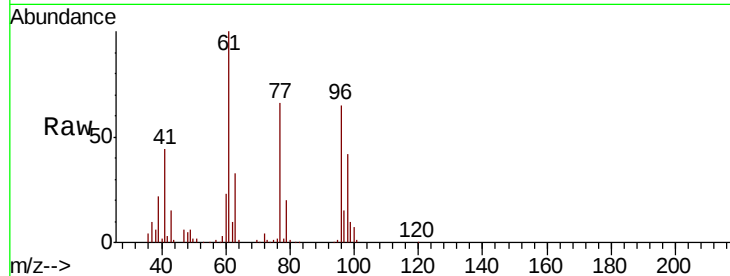


#27

cis-1,2-Dichloroethene
Concen: 48.013 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

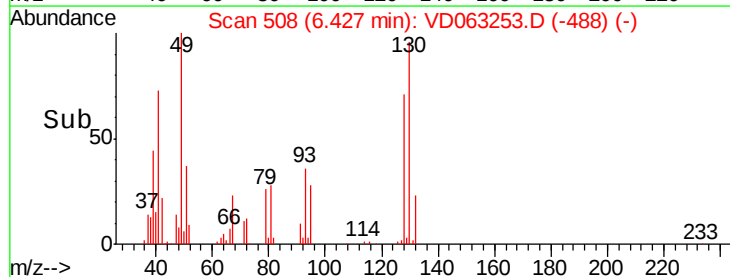
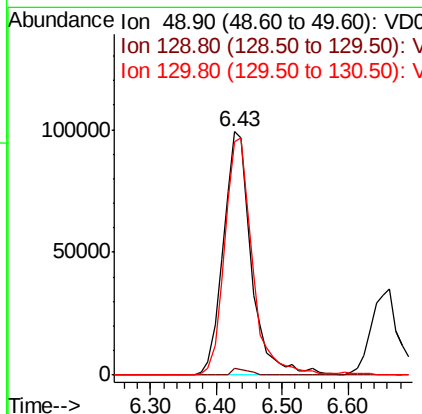
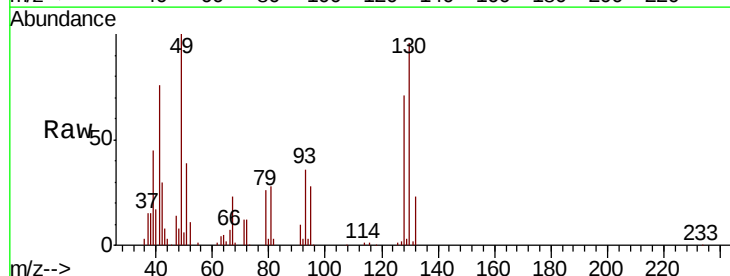
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	337.2
98	64.7	0.0	130.6

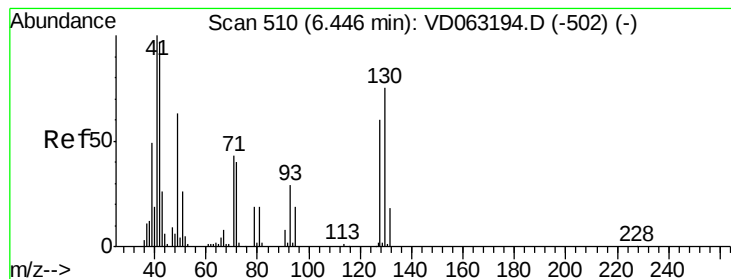


#28

Bromochloromethane
Concen: 44.854 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	0.0#
130	95.9	75.7	113.5





#29

Tetrahydrofuran

Concen: 212.693 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

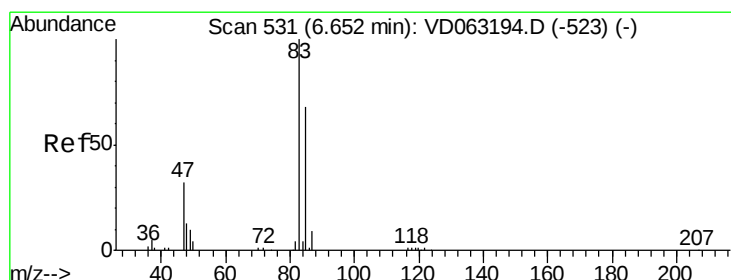
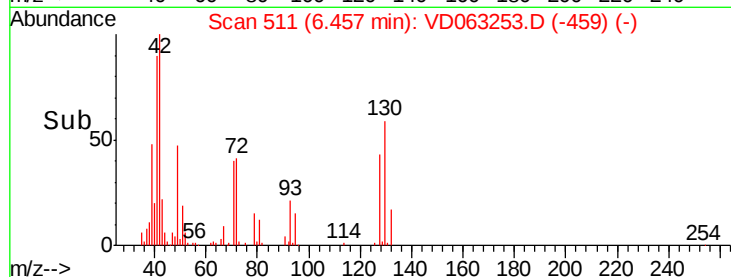
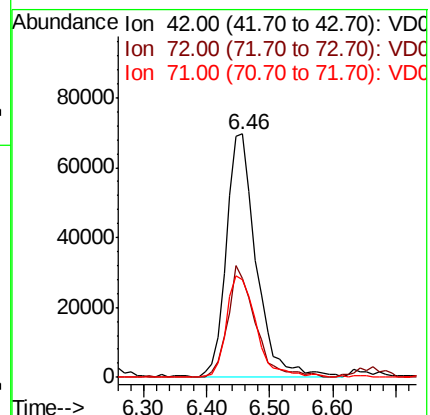
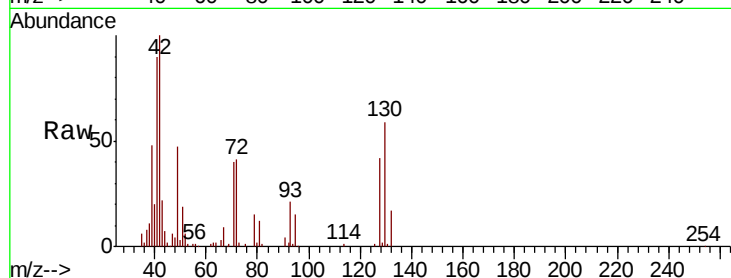
Tot Ion: 42 Resp: 228692

Ion Ratio Lower Upper

42 100

72 42.2 33.4 50.2

71 41.8 35.7 53.5



#30

Chloroform

Concen: 48.463 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063253.D

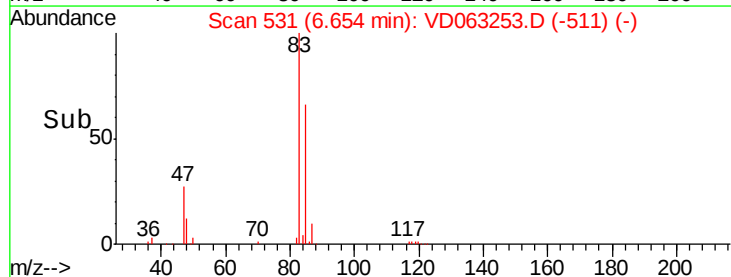
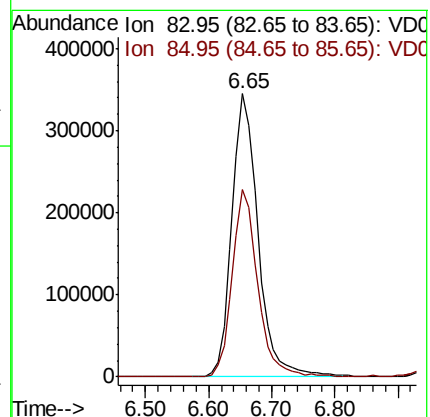
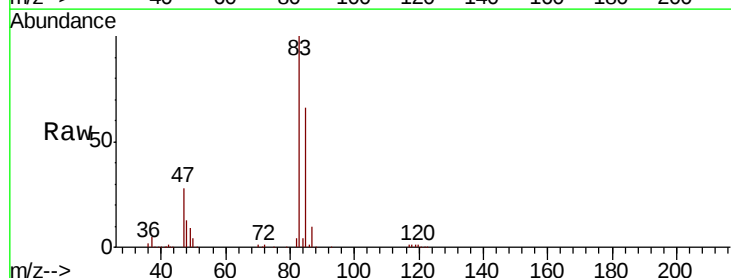
Acq: 30 Jul 2019 20:56

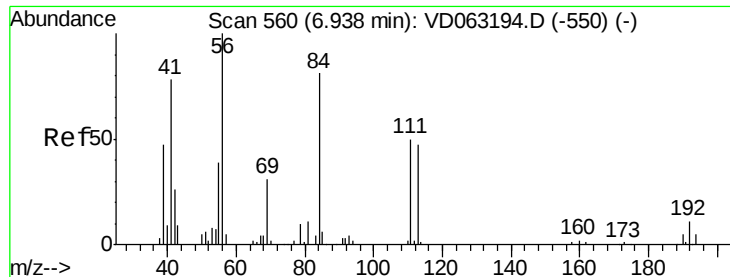
Tgt Ion: 83 Resp: 992669

Ion Ratio Lower Upper

83 100

85 66.0 54.2 81.4

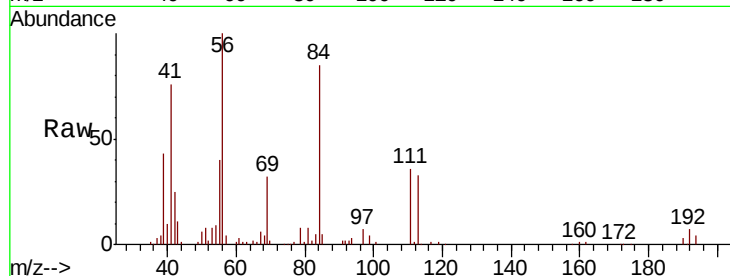




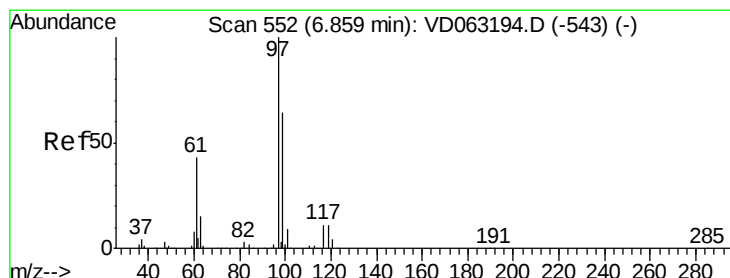
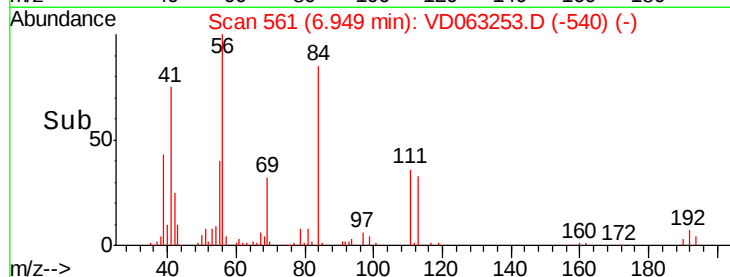
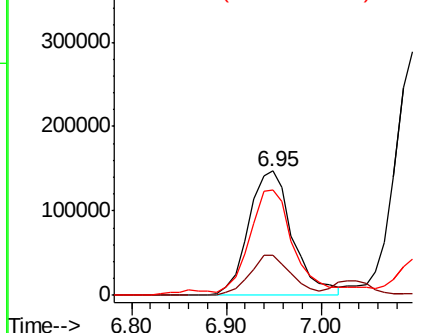
#31
Cyclohexane
Concen: 46.014 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 476040
Ion Ratio Lower Upper
56 100
69 32.0 24.5 36.7
84 85.3 64.9 97.3

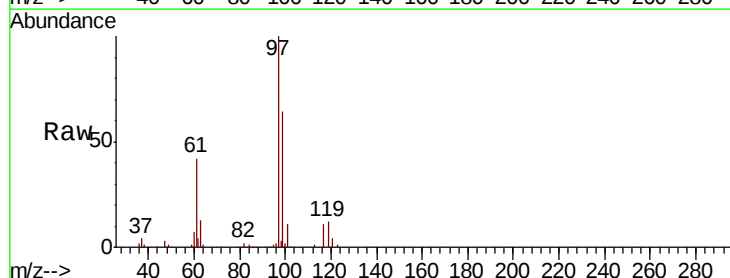


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

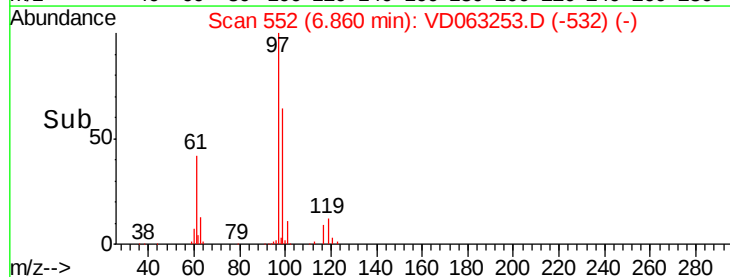
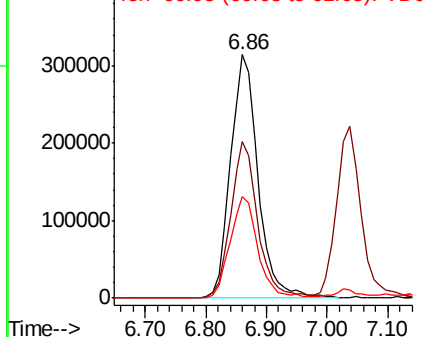


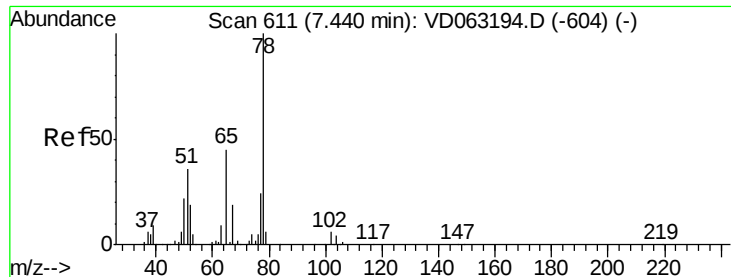
#32
1,1,1-Trichloroethane
Concen: 49.896 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 97 Resp: 988572
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 41.6 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.983 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

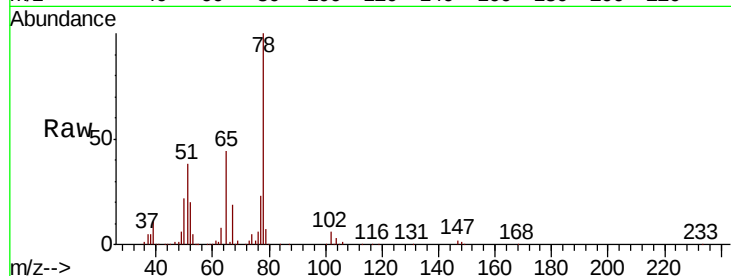
VSTDCCC050EC

Tot Ion: 65 Resp: 557295

Ion Ratio Lower Upper

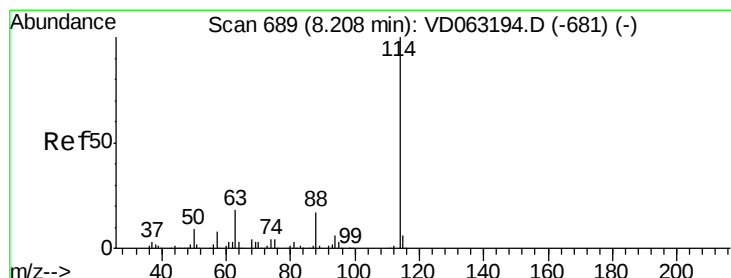
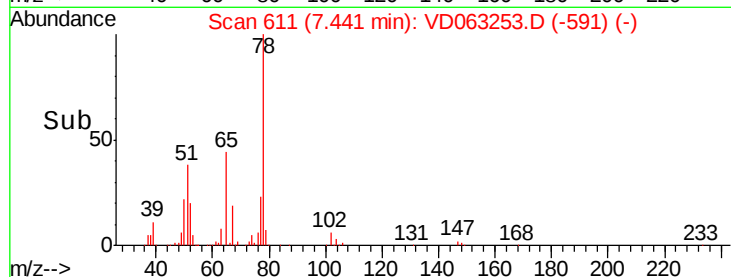
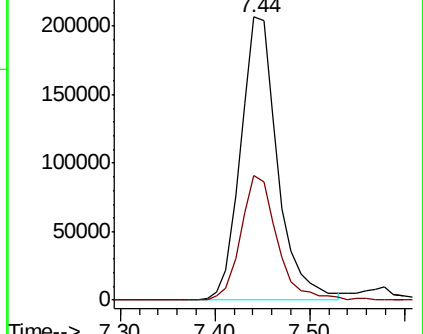
65 100

67 44.1 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: VD063253.D

Acq: 30 Jul 2019 20:56

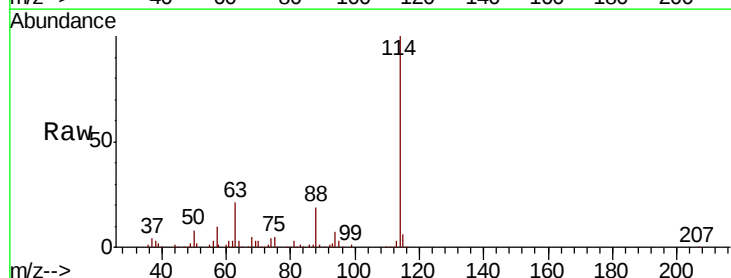
Tgt Ion: 114 Resp: 1407531

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.2

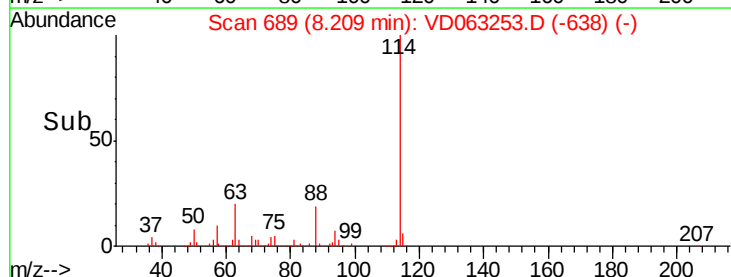
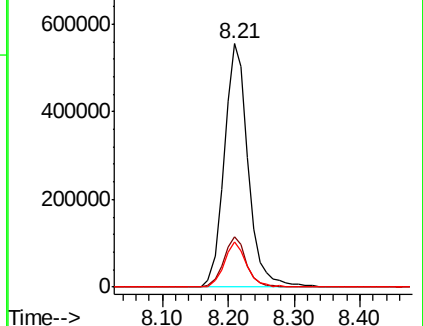
88 18.6 0.0 34.6

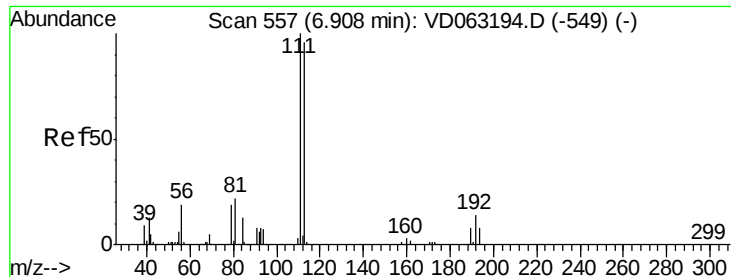


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

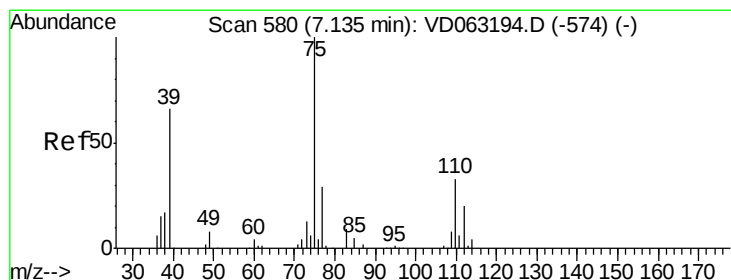
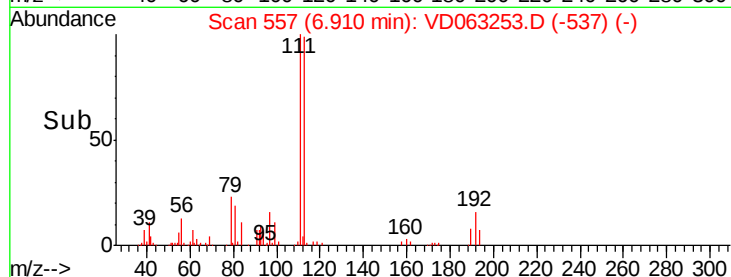
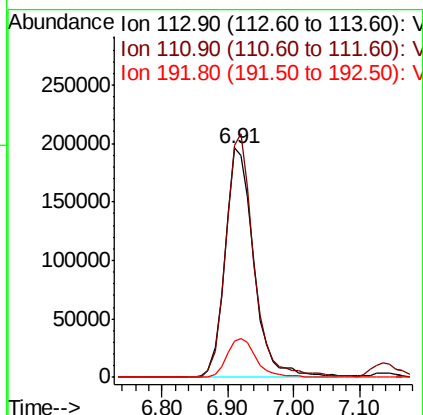
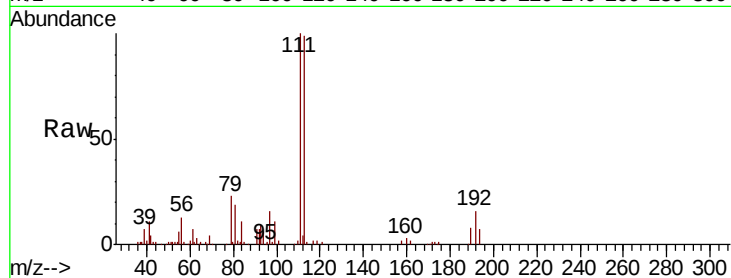




#35
 Dibromofluoromethane
 Concen: 49.880 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

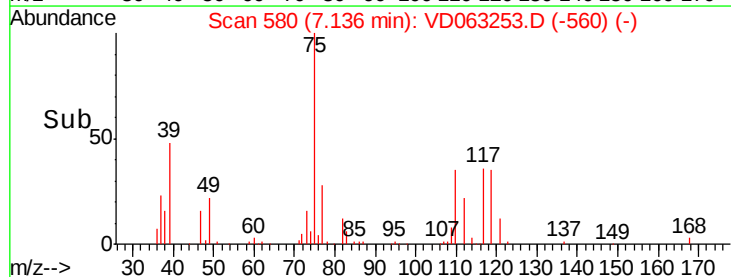
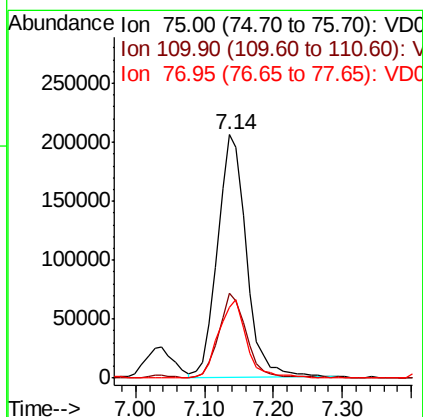
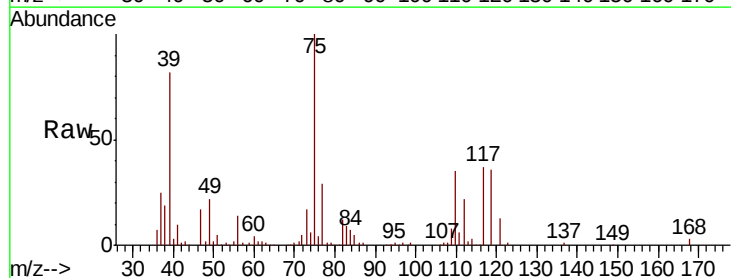
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

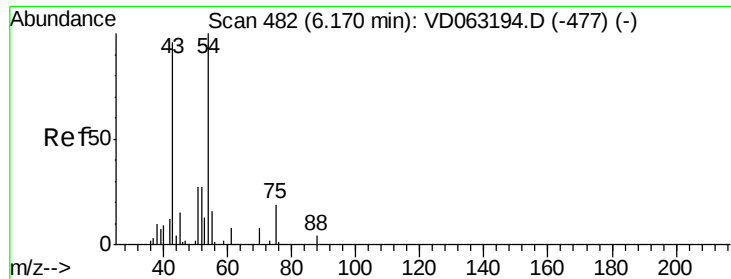
Tot Ion:113 Resp: 599423
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.2 124.8
 192 16.0 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 46.428 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 75 Resp: 596387
 Ion Ratio Lower Upper
 75 100
 110 34.8 16.1 48.2
 77 29.3 22.7 34.1

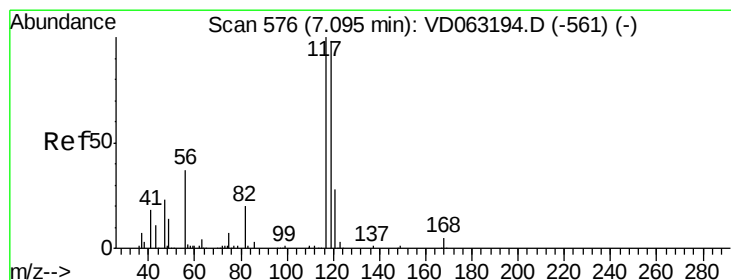
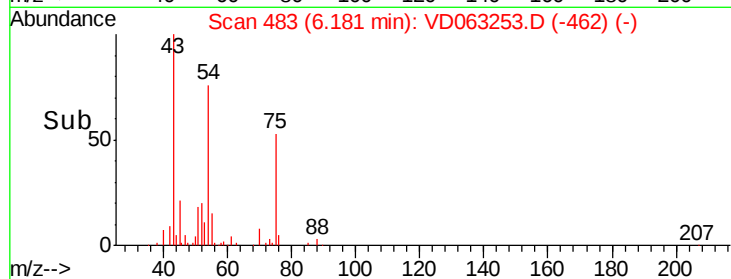
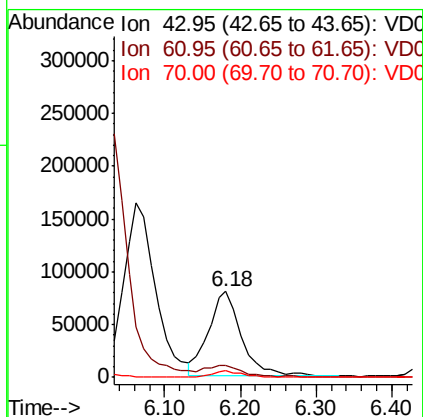
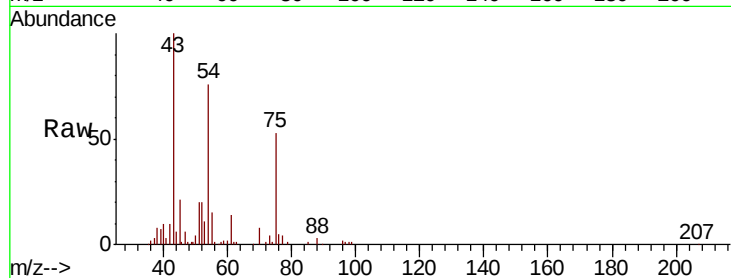




#37
Ethyl Acetate
Concen: 41.893 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

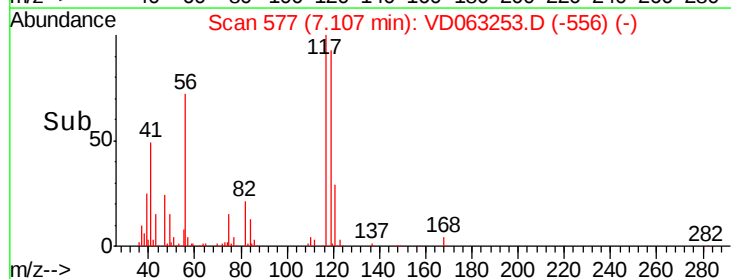
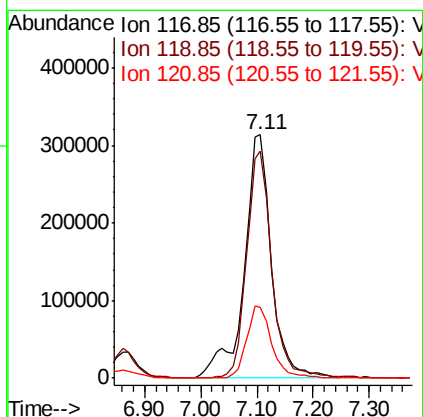
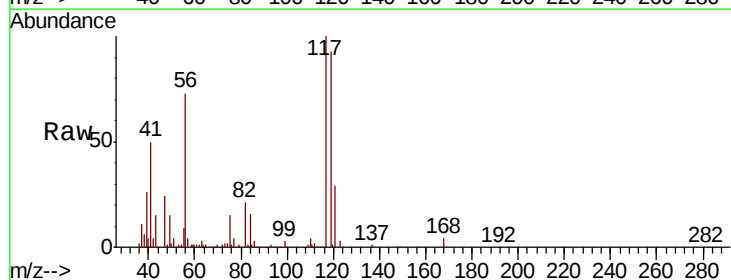
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

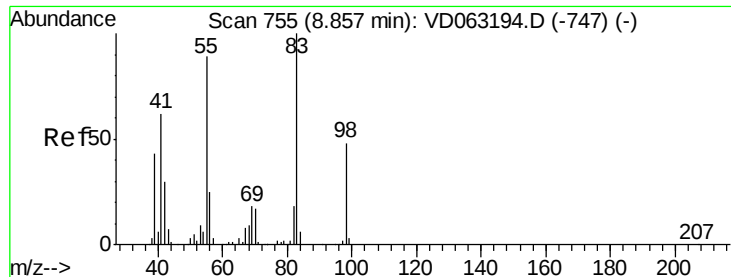
Tot Ion: 43 Resp: 241765
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 7.7 5.1 7.7



#38
Carbon Tetrachloride
Concen: 54.372 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 117 Resp: 1051472
Ion Ratio Lower Upper
117 100
119 93.0 78.2 117.2
121 29.2 22.1 33.1

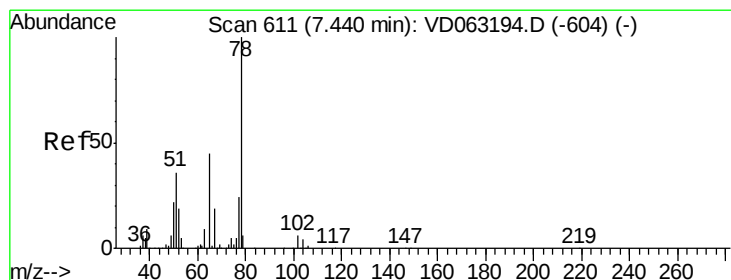
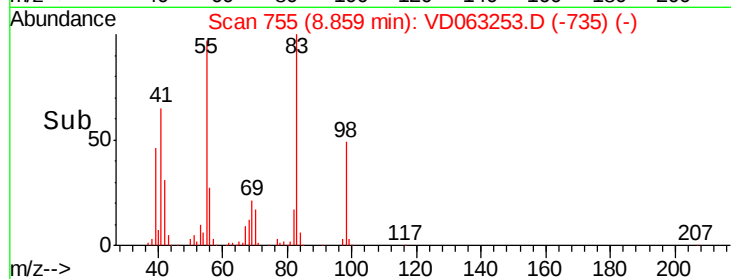
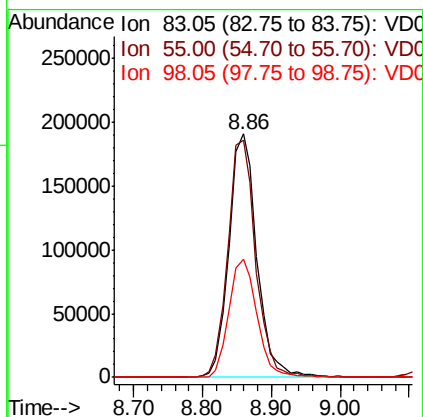
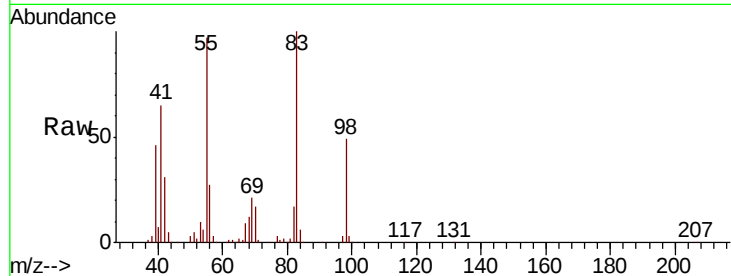




#39
Methvlcvclohexane
Concen: 49.982 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

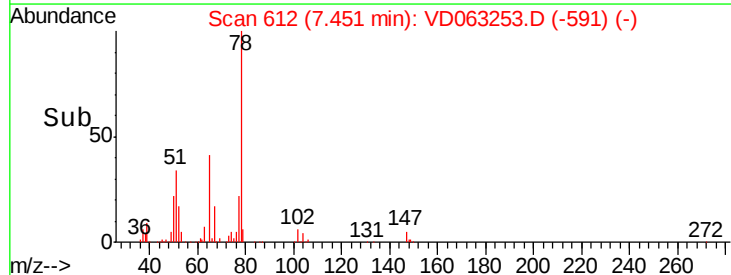
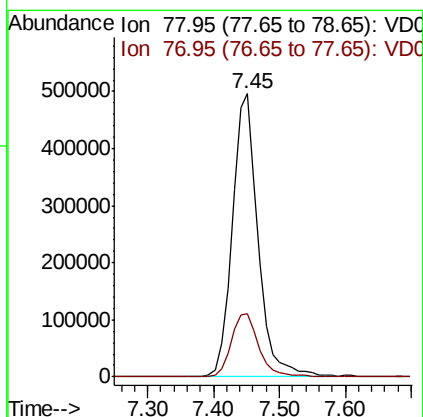
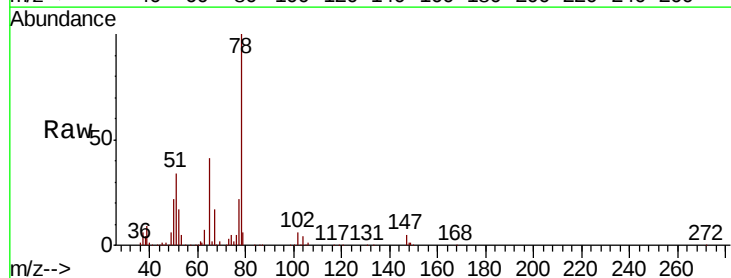
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

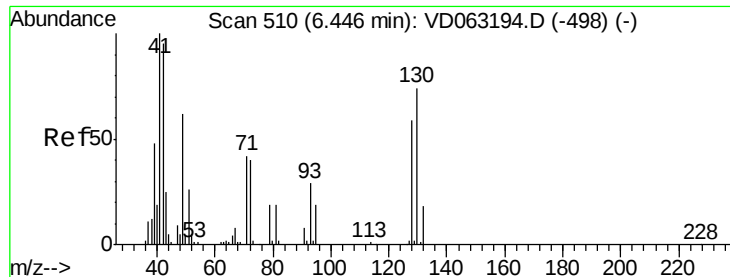
Tot Ion: 83 Resp: 534929
Ion Ratio Lower Upper
83 100
55 97.3 71.1 106.7
98 48.6 38.5 57.7



#40
Benzene
Concen: 50.354 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 78 Resp: 1355606
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.2





#41

Methacrylonitrile

Concen: 45.925 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 317031

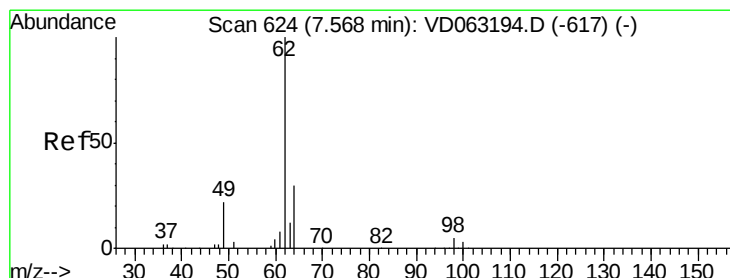
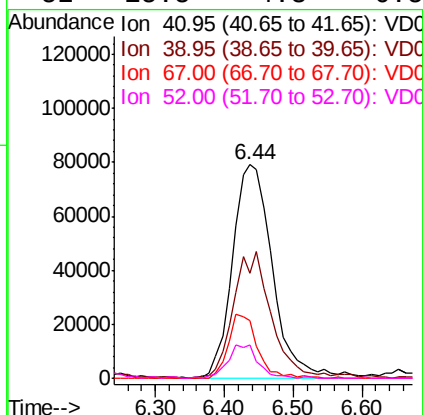
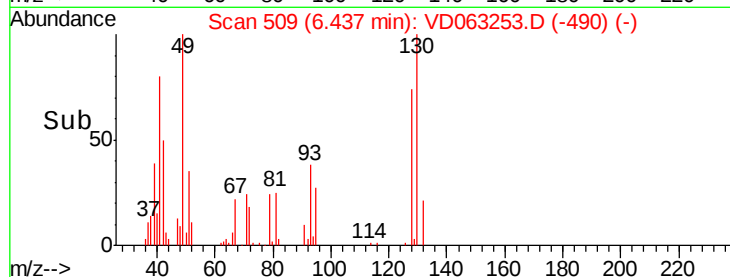
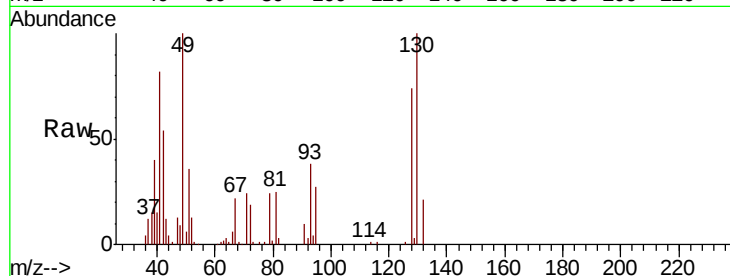
Ion Ratio Lower Upper

41 100

39 48.9 38.4 57.6

67 27.0 6.7 10.1#

52 15.5 4.3 6.5#



#42

1,2-Dichloroethane

Concen: 47.102 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063253.D

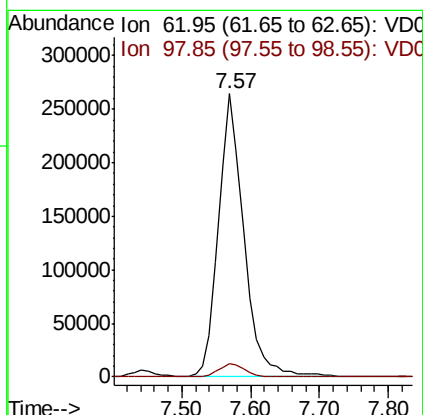
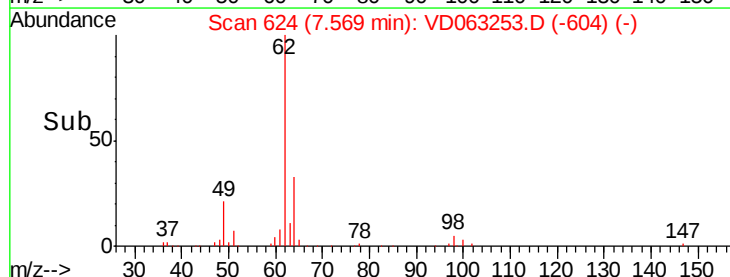
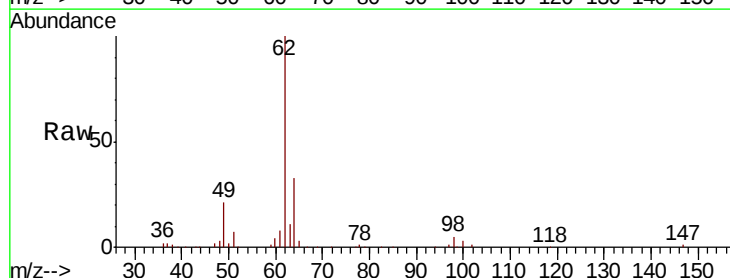
Acq: 30 Jul 2019 20:56

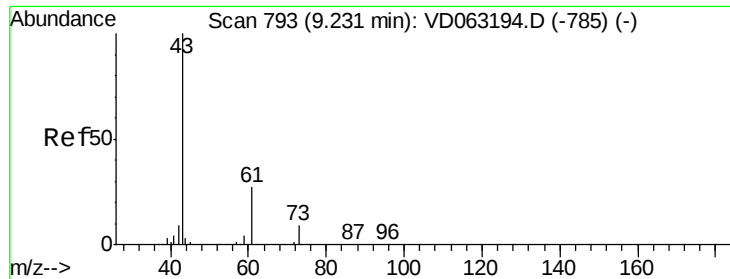
Tgt Ion: 62 Resp: 672050

Ion Ratio Lower Upper

62 100

98 4.9 0.0 9.8



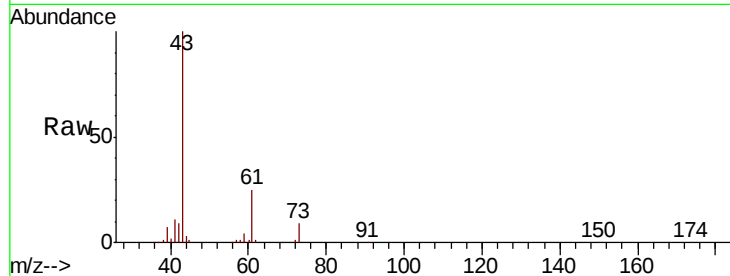


#43

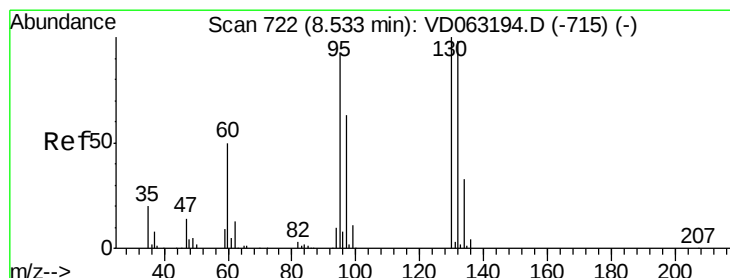
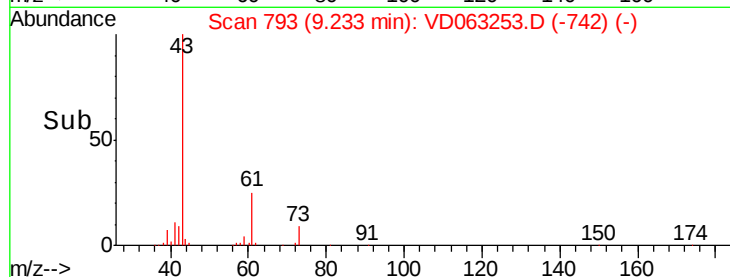
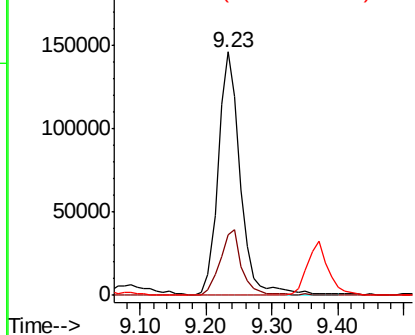
Isopropyl Acetate
 Concen: 45.686 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 336786
 Ion Ratio Lower Upper
 43 100
 61 25.1 21.4 32.0
 87 0.0 0.2 0.4#



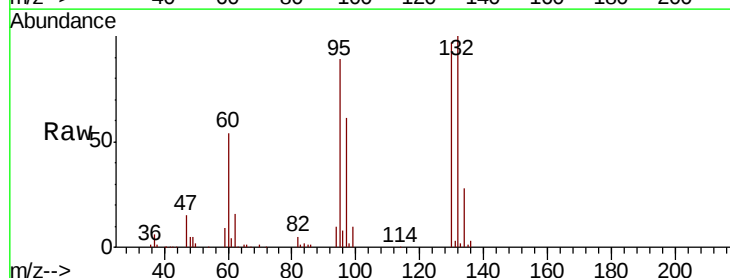
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



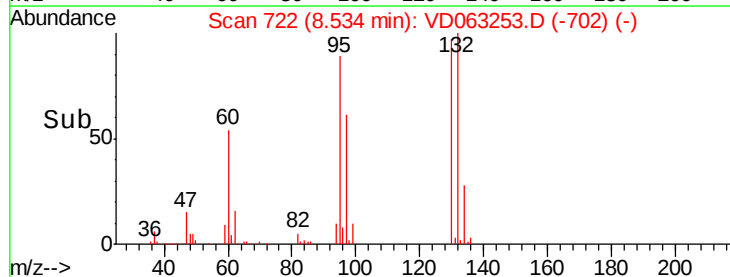
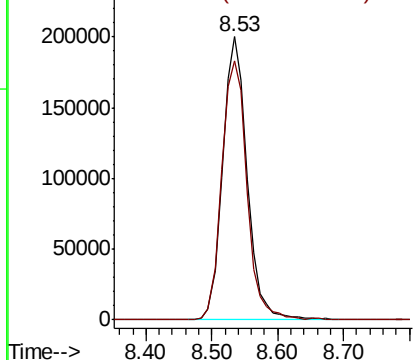
#44

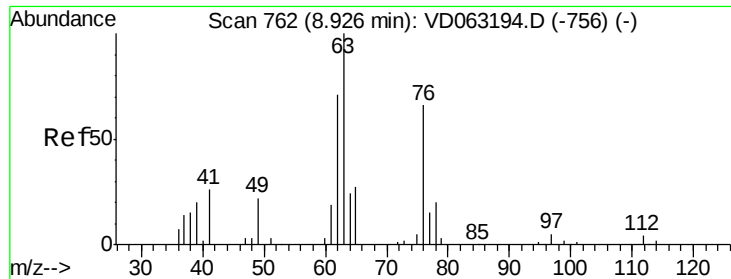
Trichloroethene
 Concen: 47.837 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 130 Resp: 521854
 Ion Ratio Lower Upper
 130 100
 95 91.6 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: 44.959 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

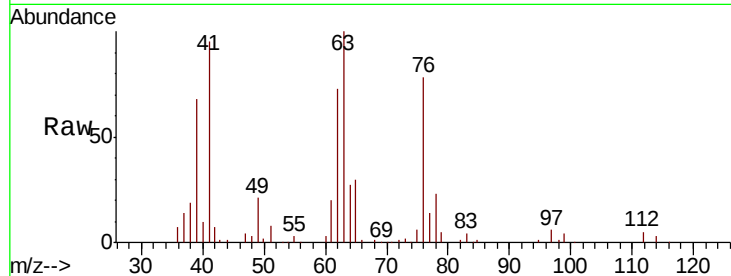
VSTDCCC050EC

Tot Ion: 63 Resp: 307649

Ion Ratio Lower Upper

63 100

65 29.9 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

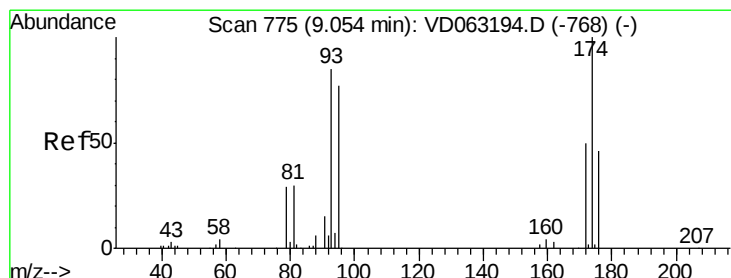
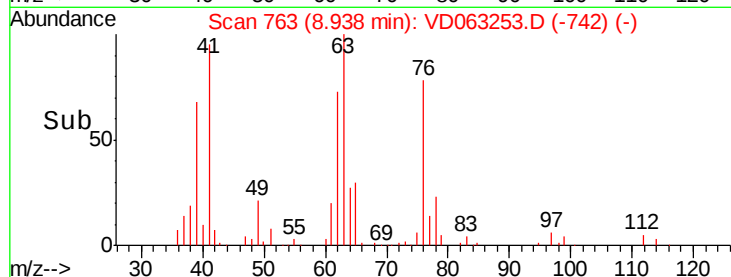
8.94

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 48.373 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

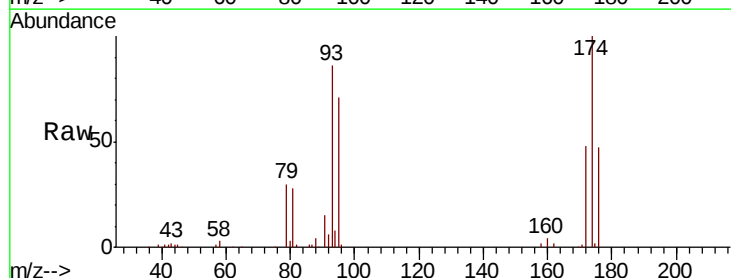
Tgt Ion: 93 Resp: 275225

Ion Ratio Lower Upper

93 100

95 82.9 72.8 109.2

174 116.0 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

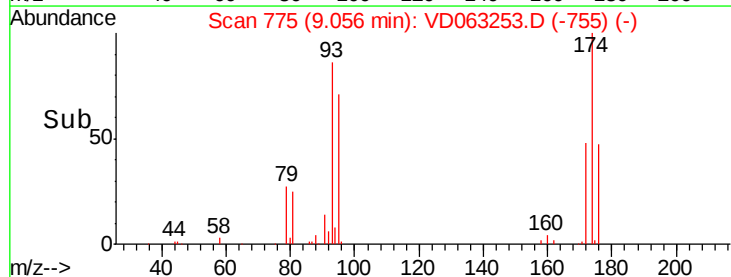
150000

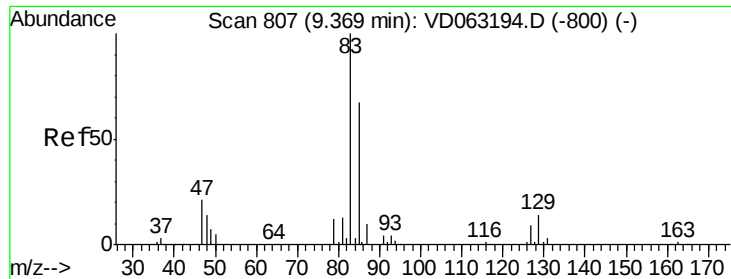
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 50.257 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

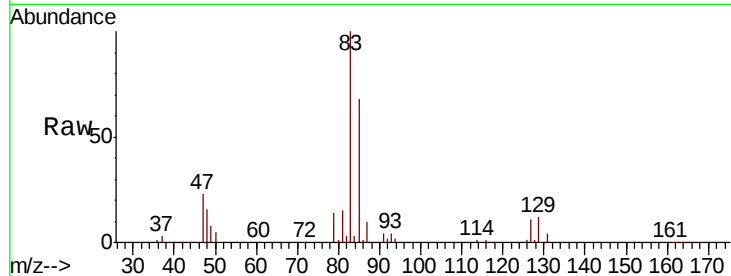
Tot Ion: 83 Resp: 728908

Ion Ratio Lower Upper

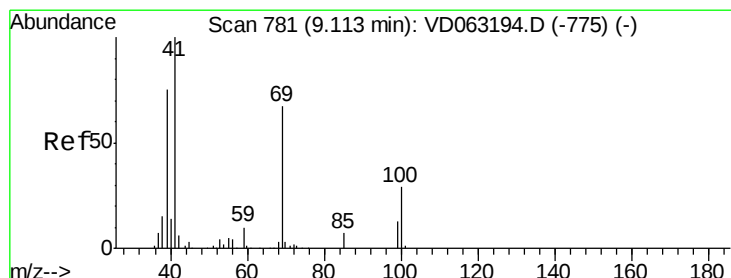
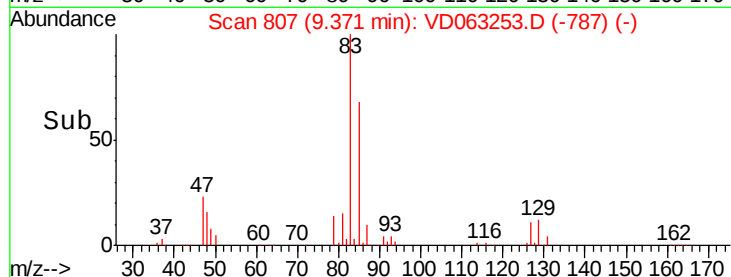
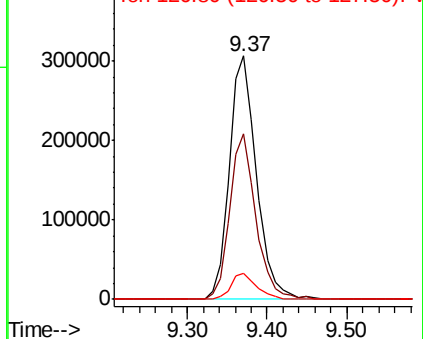
83 100

85 67.9 53.6 80.4

127 10.9 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: 48.428 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

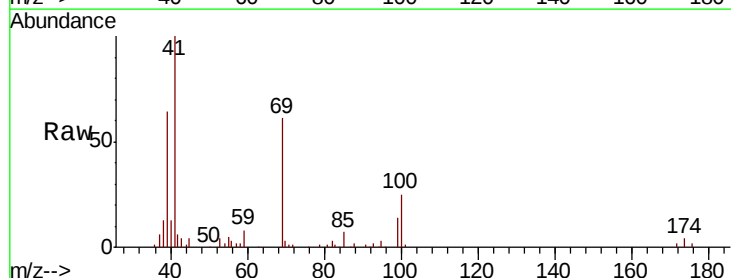
Tgt Ion: 41 Resp: 231538

Ion Ratio Lower Upper

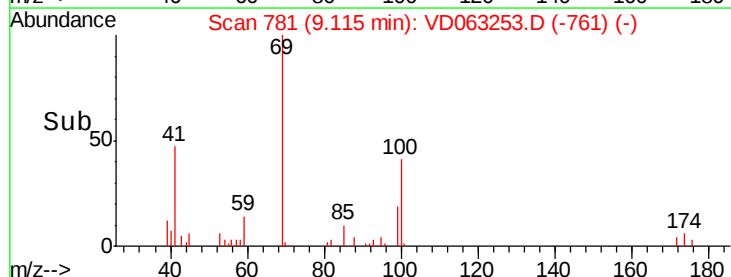
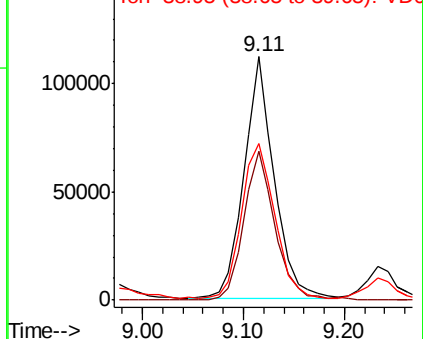
41 100

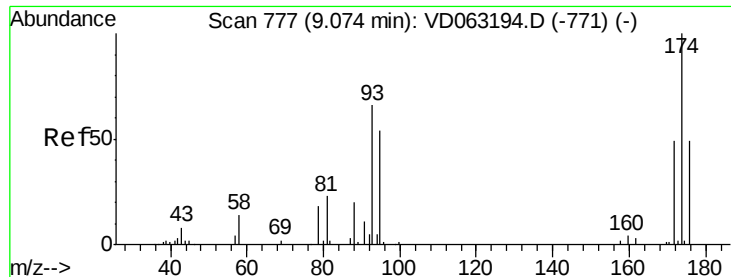
69 61.3 53.4 80.0

39 64.3 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

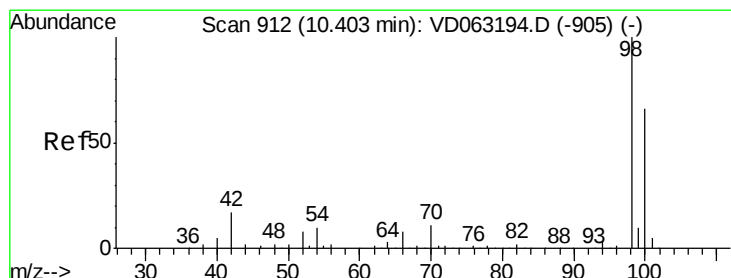
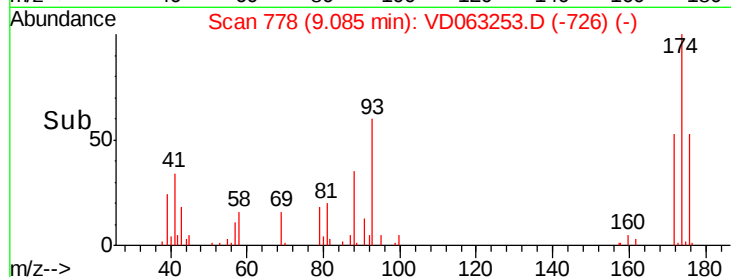
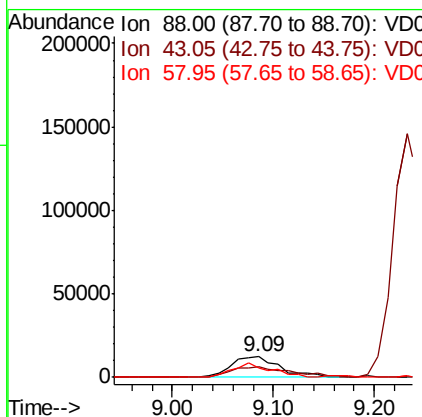
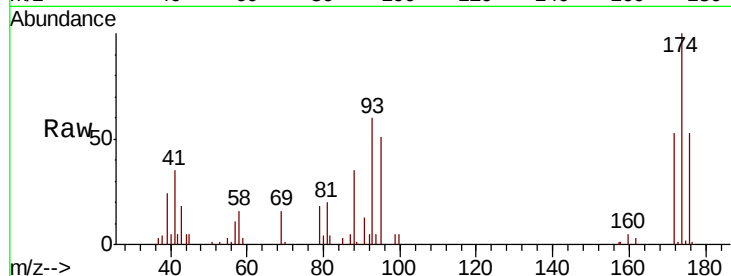




#49
1,4-Dioxane
Concen: 1034.486 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

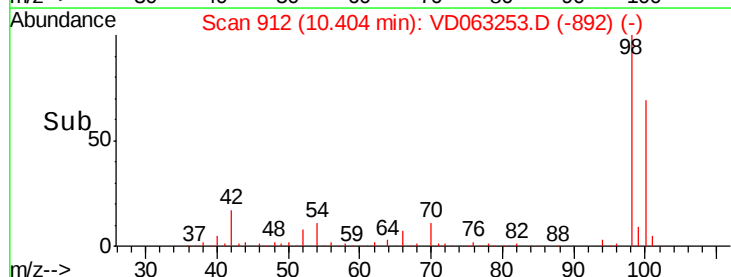
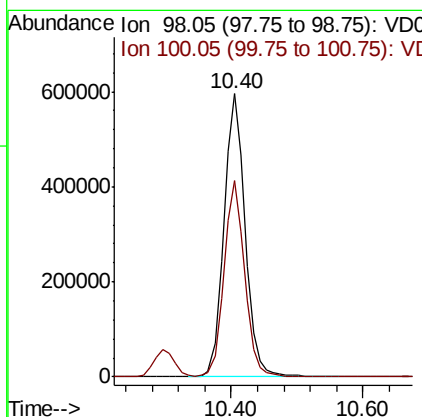
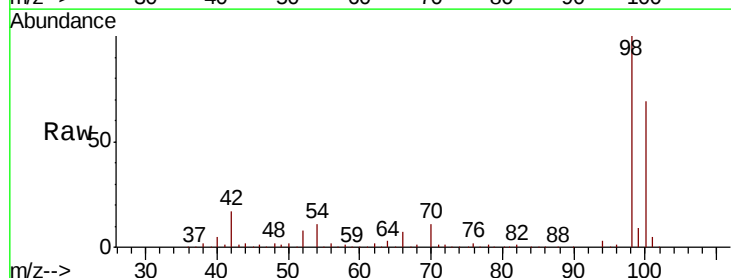
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

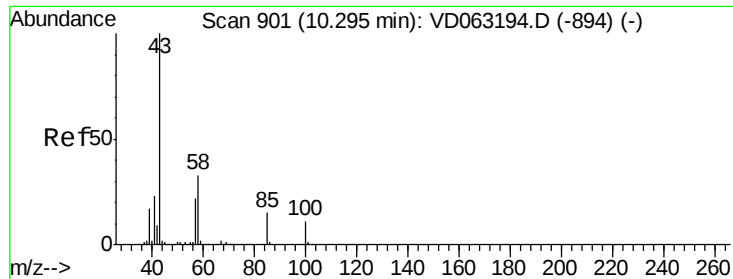
Tot Ion: 88 Resp: 41892
Ion Ratio Lower Upper
88 100
43 51.4 30.7 46.1#
58 44.8 56.5 84.7#



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 98 Resp: 1340859
Ion Ratio Lower Upper
98 100
100 69.4 53.2 79.8

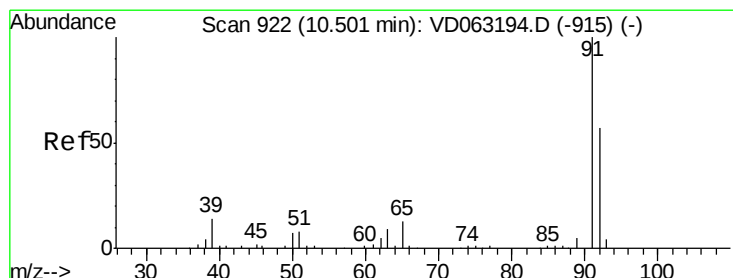
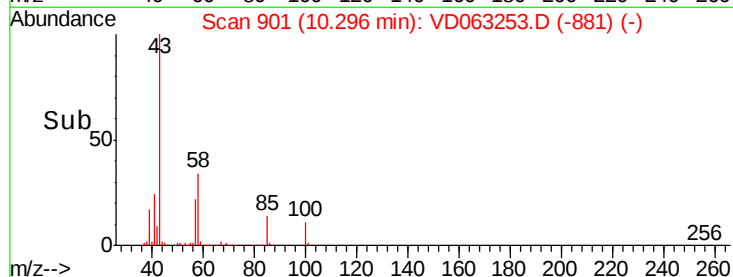
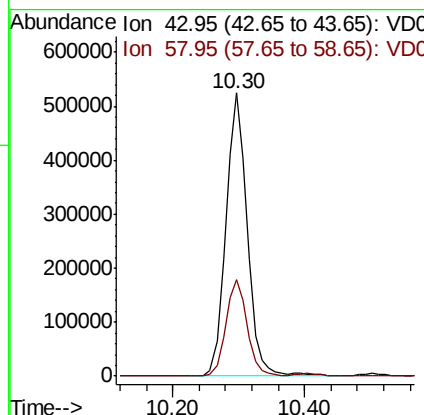
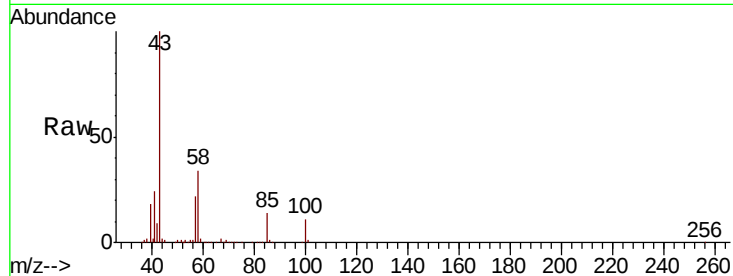




#51
4-Methyl-2-Pentanone
Concen: 236.715 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

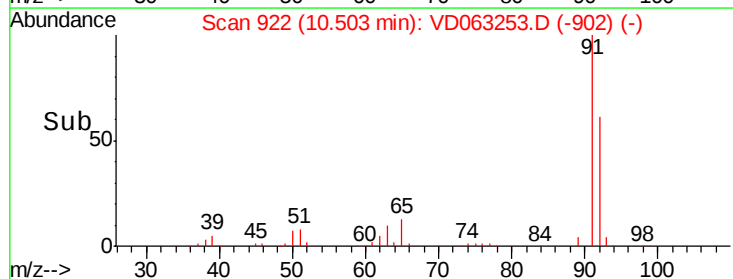
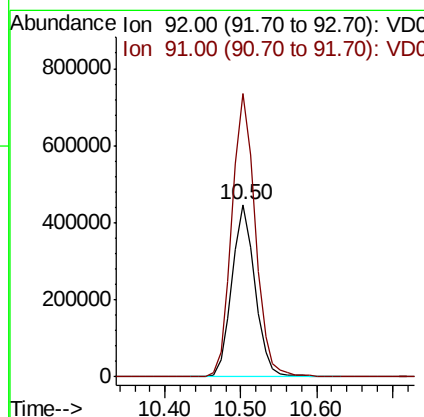
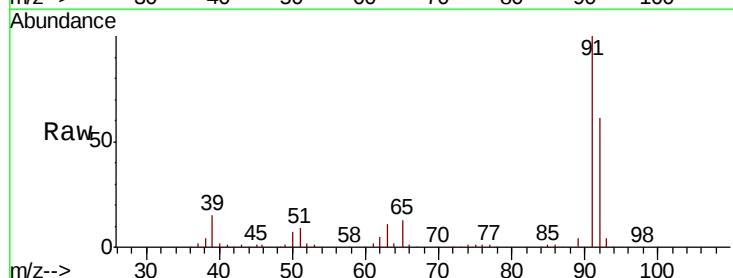
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1186757
Ion Ratio Lower Upper
43 100
58 34.0 26.2 39.2



#52
Toluene
Concen: 52.498 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 92 Resp: 940024
Ion Ratio Lower Upper
92 100
91 164.2 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 45.695 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

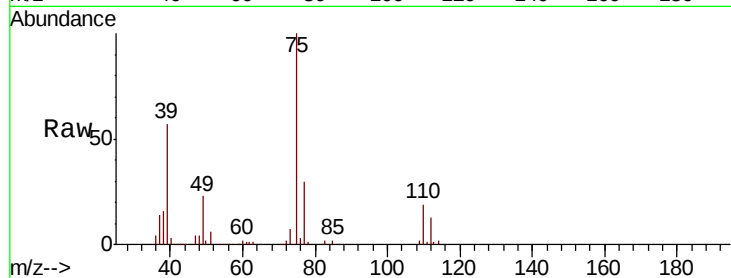
VSTDCCC050EC

Tot Ion: 75 Resp: 571381

Ion Ratio Lower Upper

75 100

77 29.8 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

150000

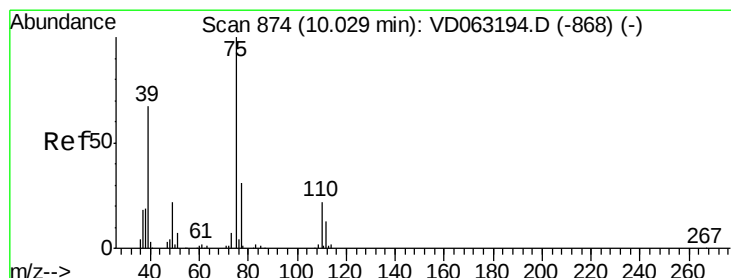
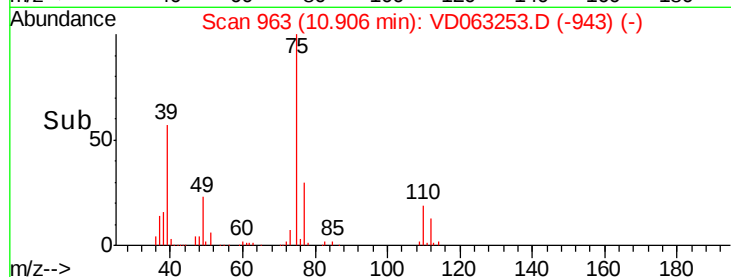
100000

50000

0

Time-->

10.80 10.90 11.00 11.10



#54

cis-1,3-Dichloropropene

Concen: 47.876 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

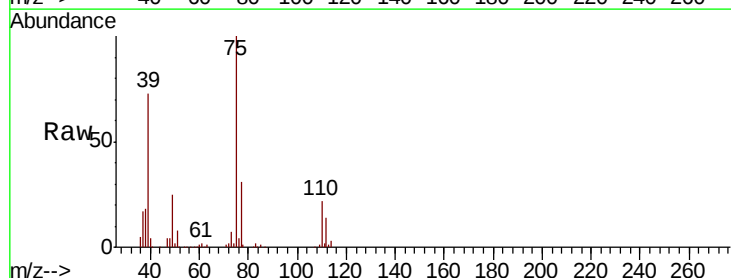
Tgt Ion: 75 Resp: 629156

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 73.0 53.9 80.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

300000

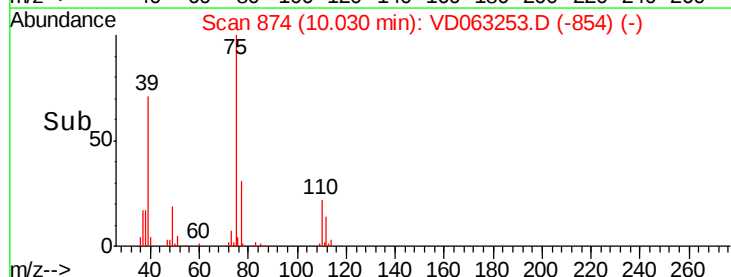
200000

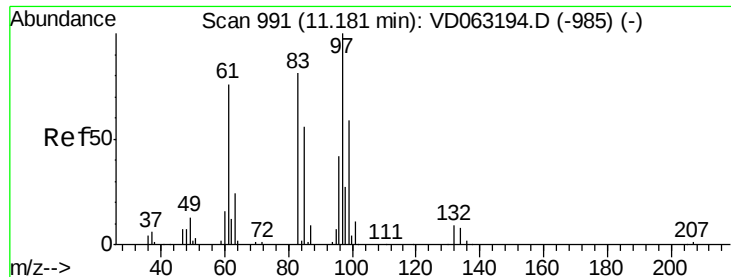
100000

0

Time-->

9.90 10.00 10.10

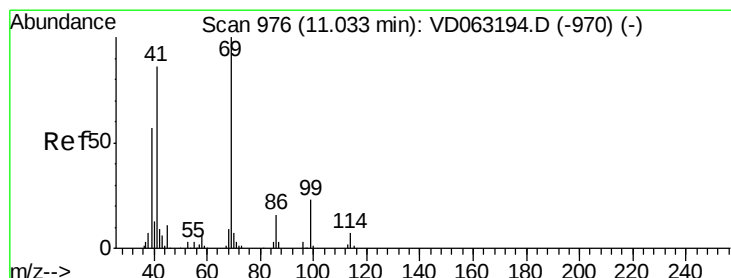
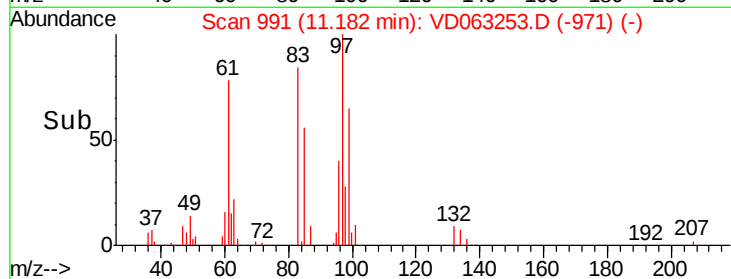
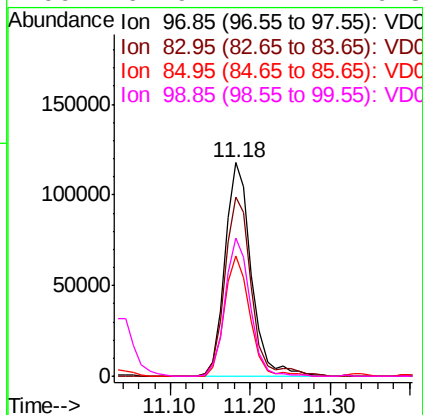
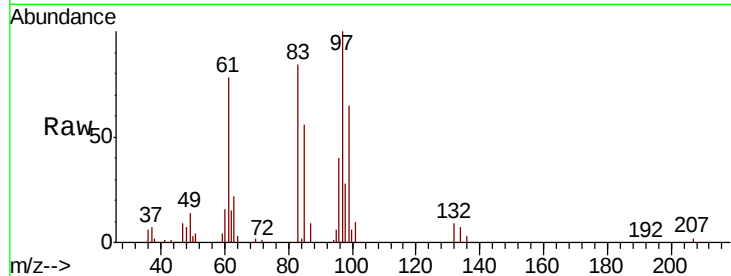




#55
 1,1,2-Trichloroethane
 Concen: 45.195 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

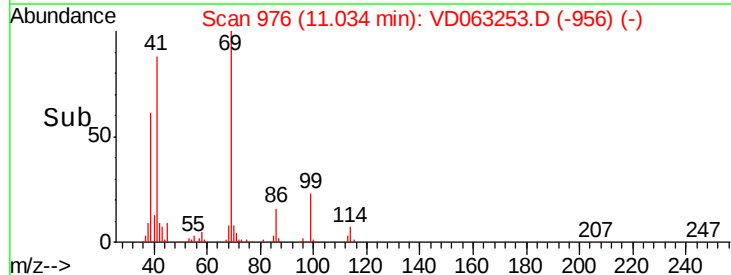
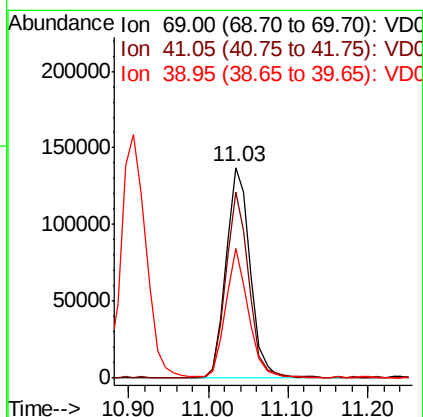
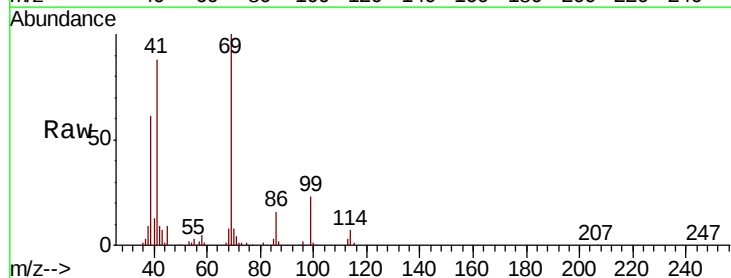
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

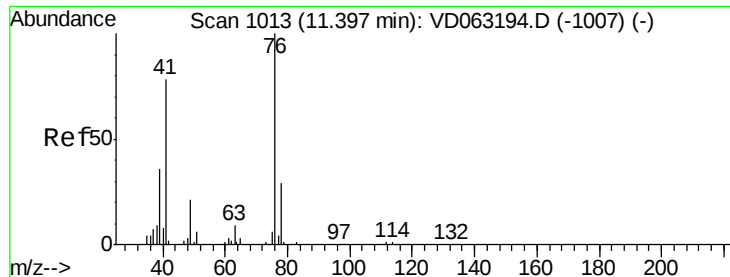
Tot Ion:	97	Resp:	273308
Ion	Ratio	Lower	Upper
97	100		
83	84.0	64.8	97.2
85	56.4	44.9	67.3
99	64.9	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 44.350 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion:	69	Resp:	293684
Ion	Ratio	Lower	Upper
69	100		
41	88.3	68.8	103.2
39	61.5	45.8	68.8

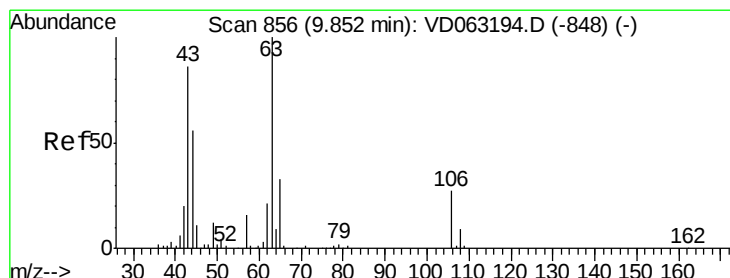
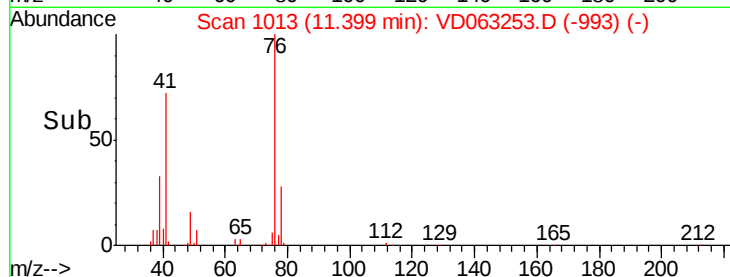
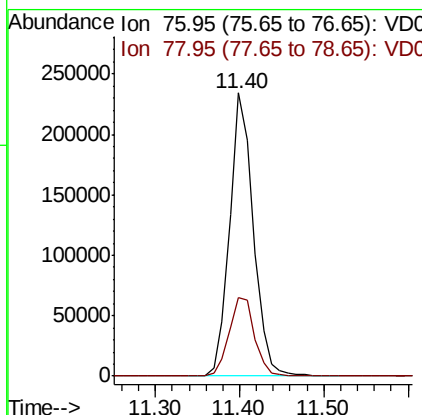
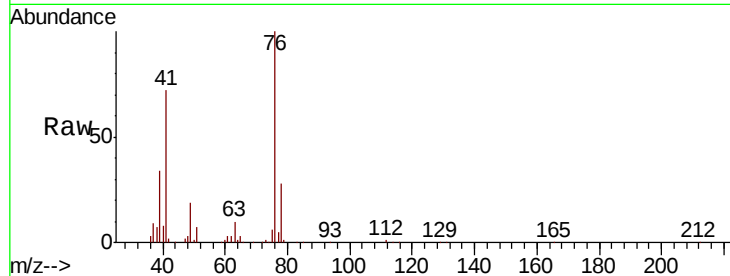




#57
 1,3-Dichloropropane
 Concen: 48.080 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

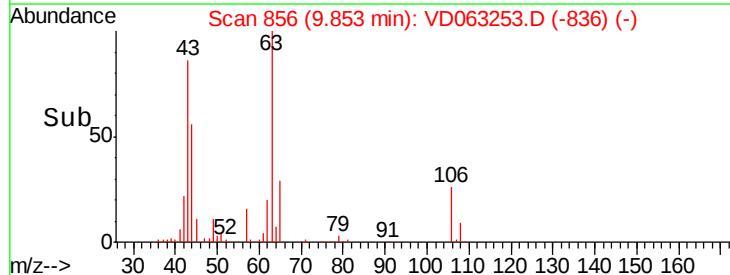
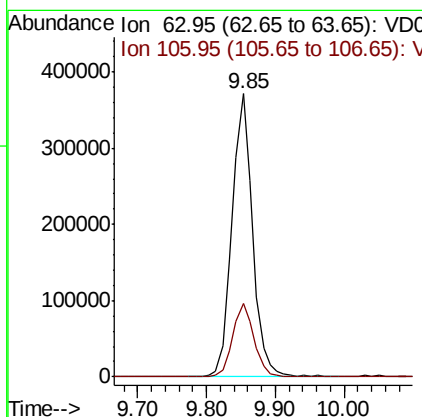
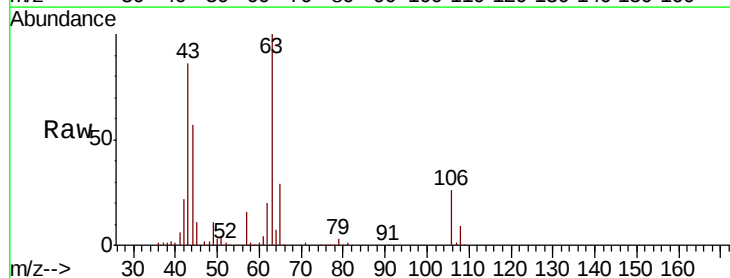
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

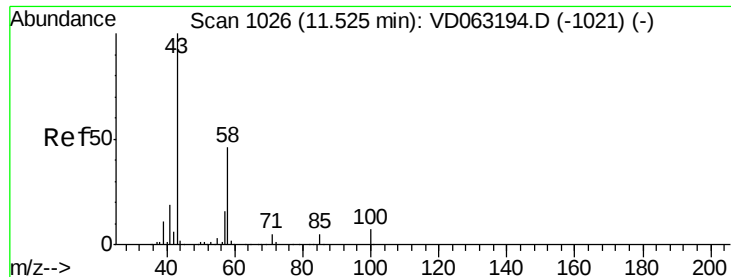
Tot Ion: 76 Resp: 458116
 Ion Ratio Lower Upper
 76 100
 78 27.8 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.097 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 63 Resp: 768727
 Ion Ratio Lower Upper
 63 100
 106 25.9 22.0 33.0

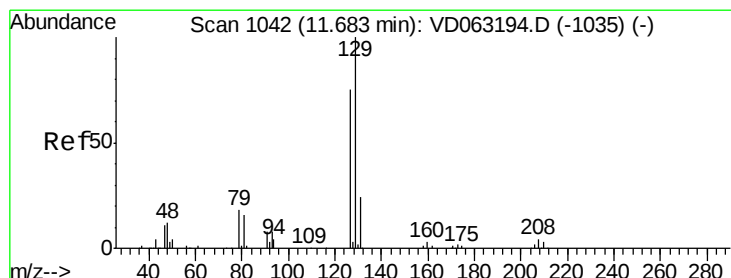
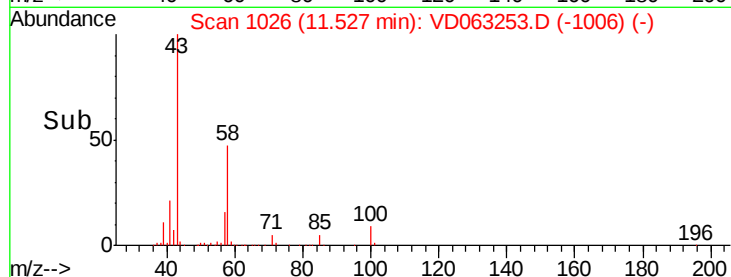
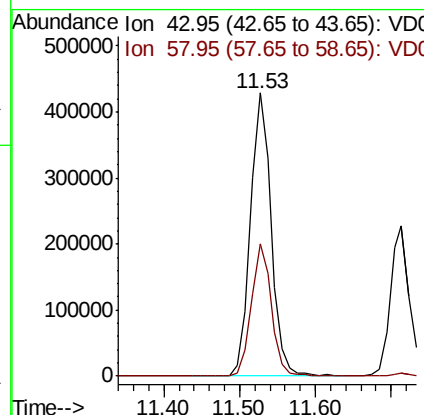
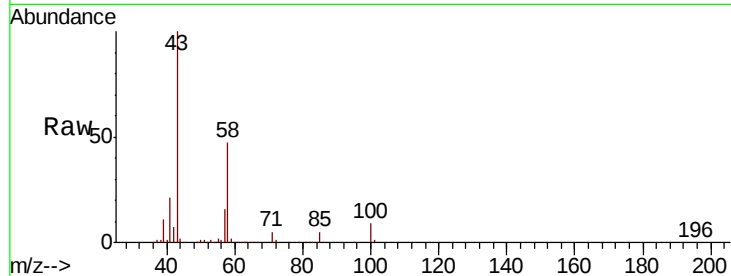




#59
2-Hexanone
Concen: 226.133 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

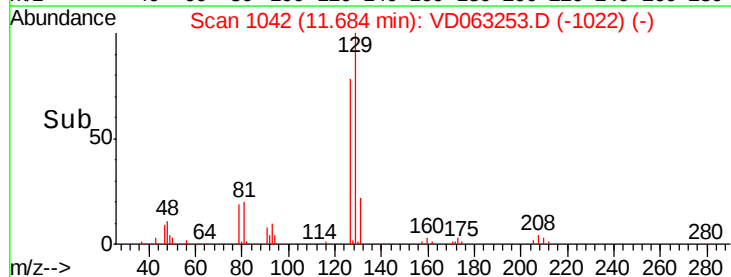
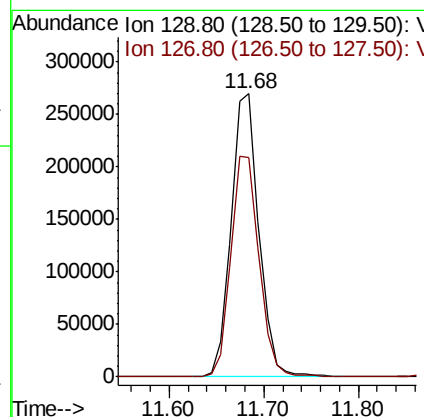
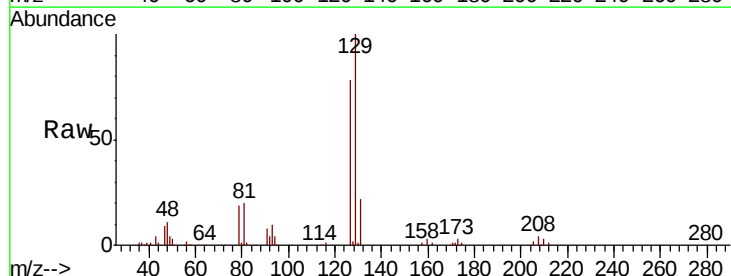
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

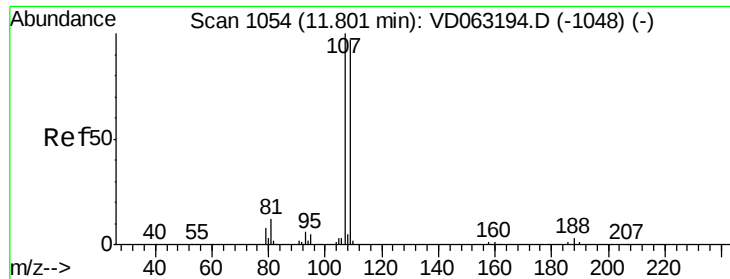
Tot Ion: 43 Resp: 816993
Ion Ratio Lower Upper
43 100
58 46.7 22.9 68.5



#60
Dibromochloromethane
Concen: 47.955 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 129 Resp: 547480
Ion Ratio Lower Upper
129 100
127 77.6 37.6 112.8

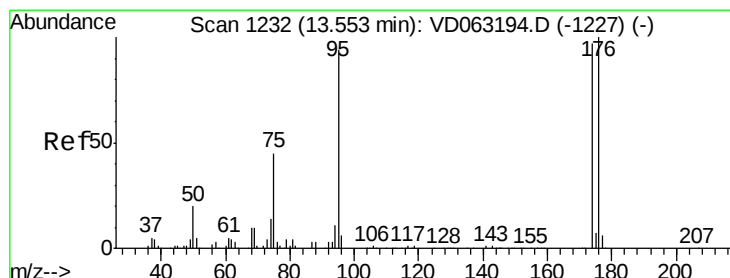
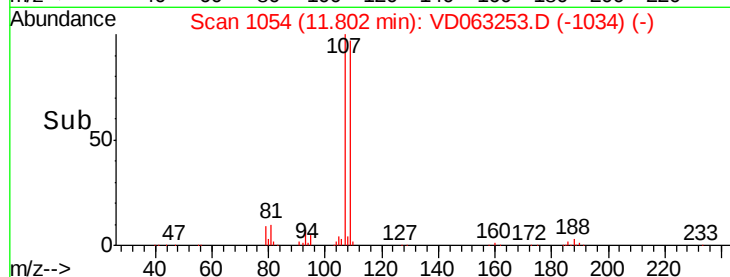
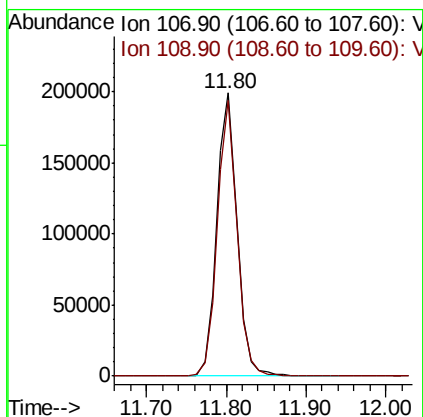
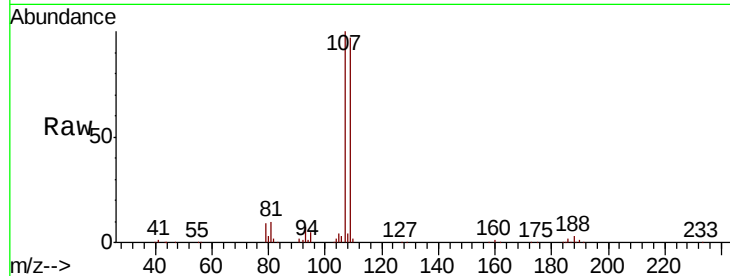




#61
 1,2-Dibromoethane
 Concen: 48.211 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

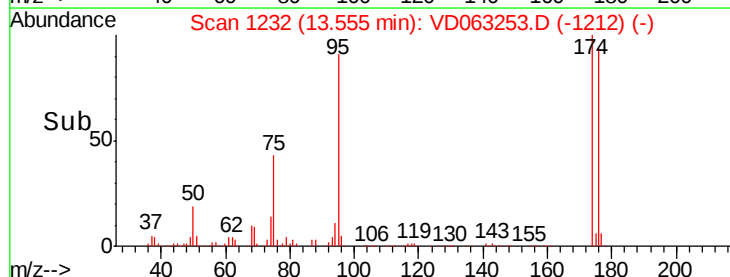
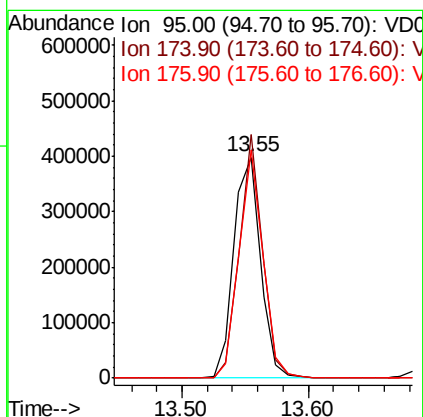
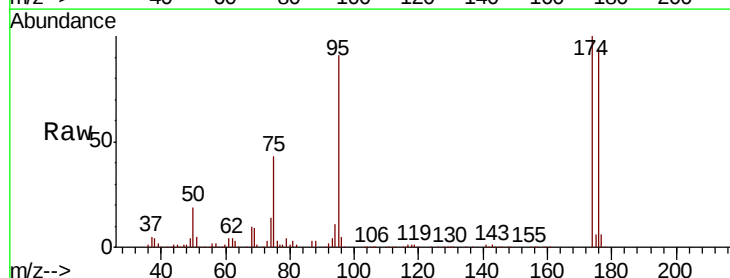
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

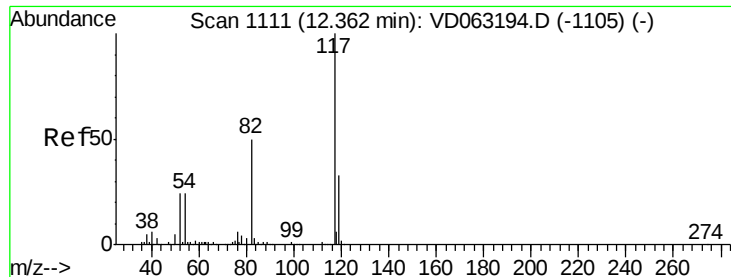
Tot Ion: 107 Resp: 359754
 Ion Ratio Lower Upper
 107 100
 109 97.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 47.371 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 95 Resp: 580572
 Ion Ratio Lower Upper
 95 100
 174 110.2 0.0 205.4
 176 103.6 0.0 211.8

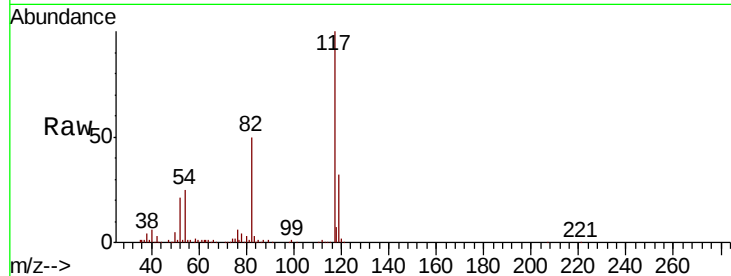




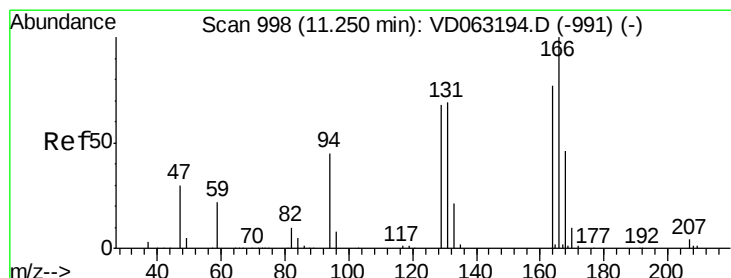
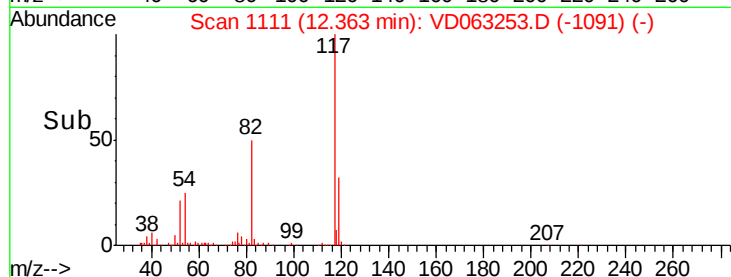
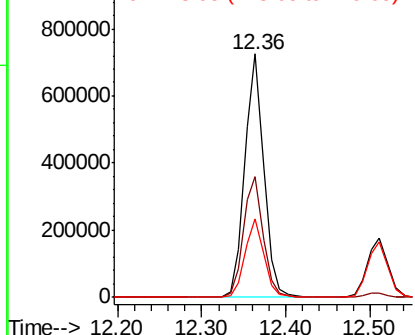
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1138645
Ion Ratio Lower Upper
117 100
82 49.6 40.1 60.1
119 32.5 26.5 39.7

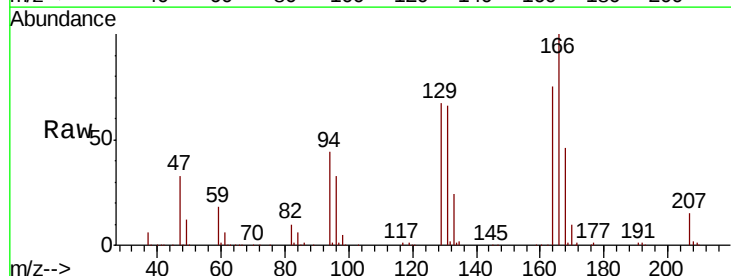


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

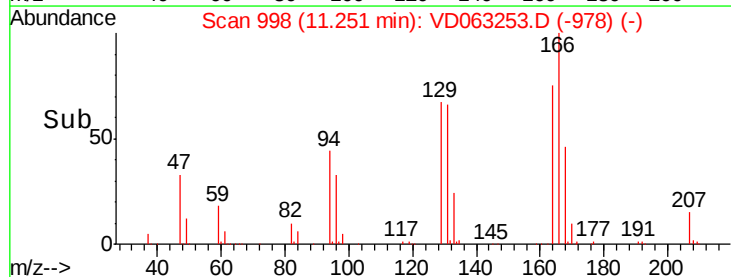
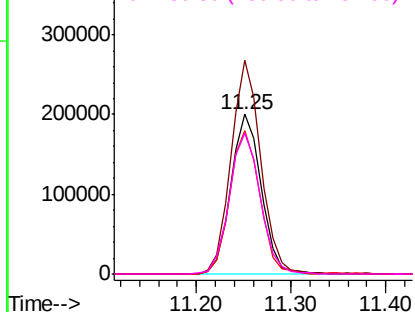


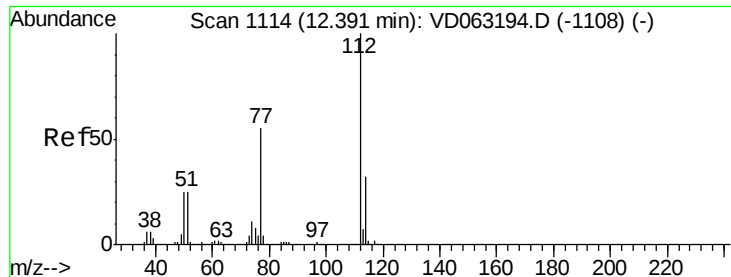
#64
Tetrachloroethene
Concen: 48.850 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion:164 Resp: 443123
Ion Ratio Lower Upper
164 100
166 133.9 104.3 156.5
129 90.2 70.9 106.3
131 88.5 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: 50.427 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

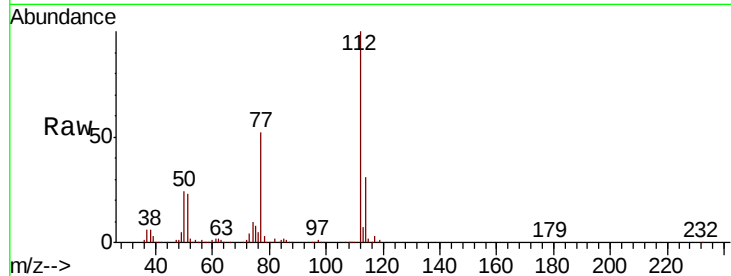
VSTDCCC050EC

Tot Ion:112 Resp: 1104413

Ion Ratio Lower Upper

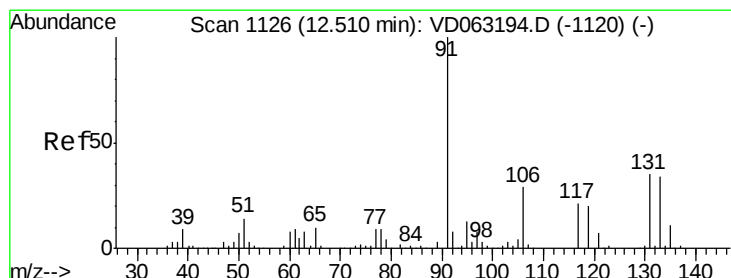
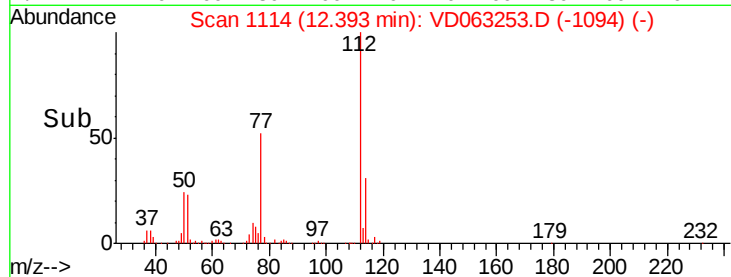
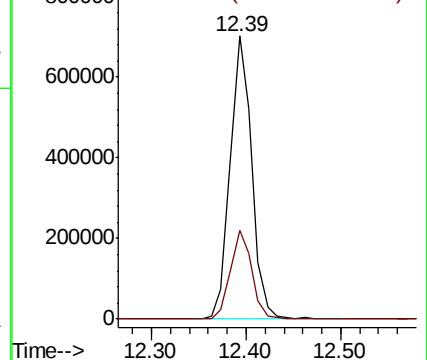
112 100

114 31.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.031 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

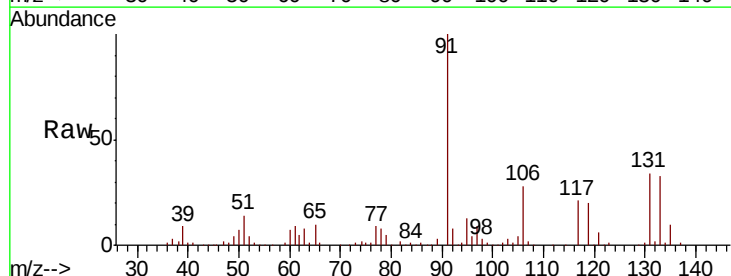
Tgt Ion:131 Resp: 473013

Ion Ratio Lower Upper

131 100

133 97.7 48.4 145.2

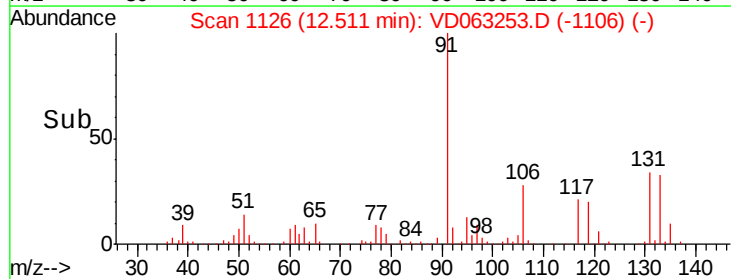
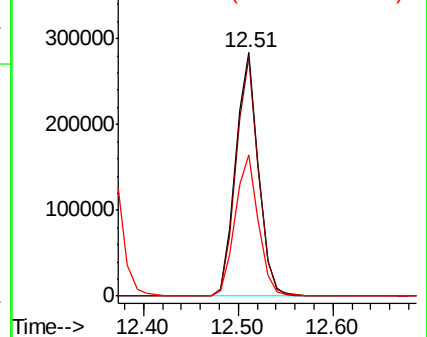
119 58.3 29.1 87.3

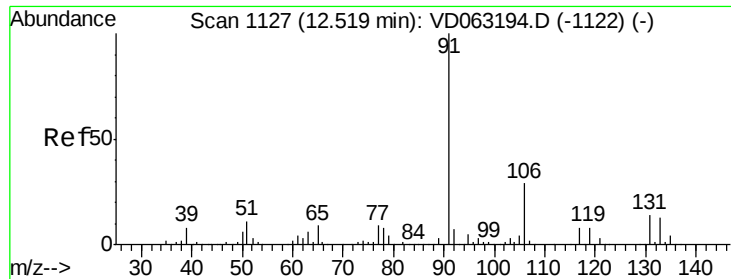


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

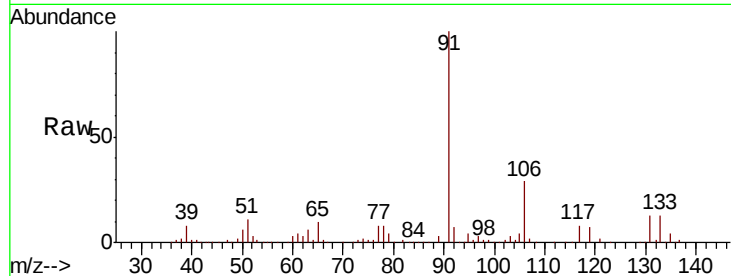




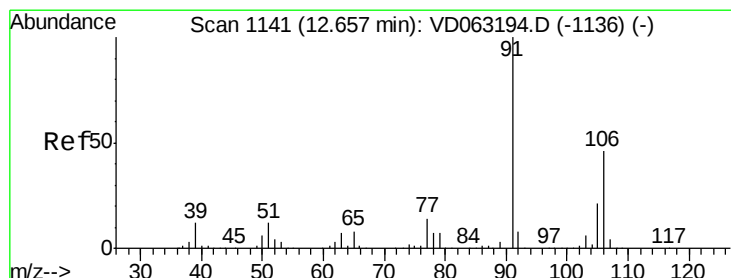
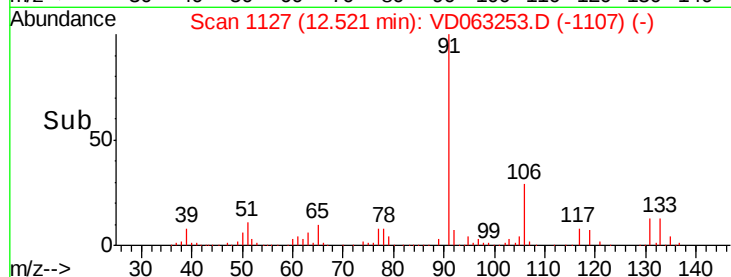
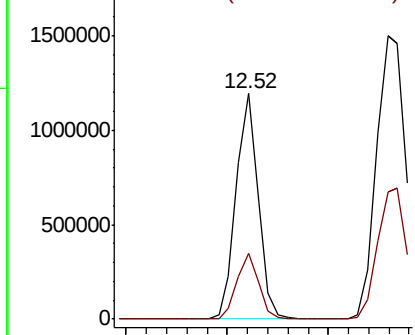
#67
Ethyl Benzene
Concen: 48.877 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1818481
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3

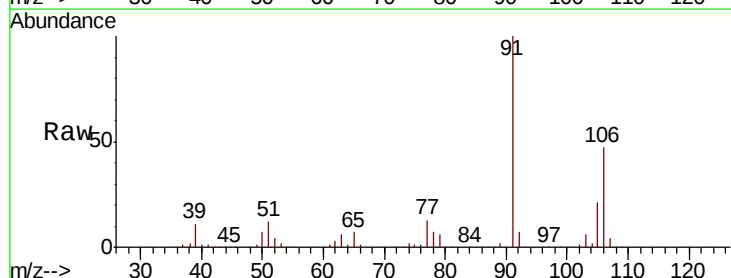


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

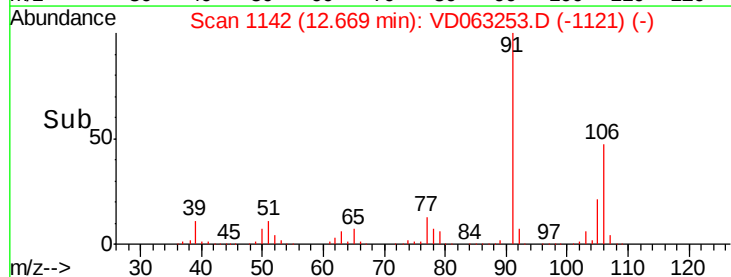
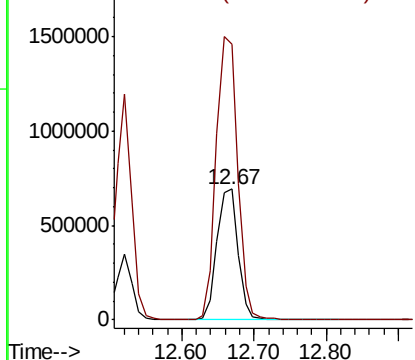


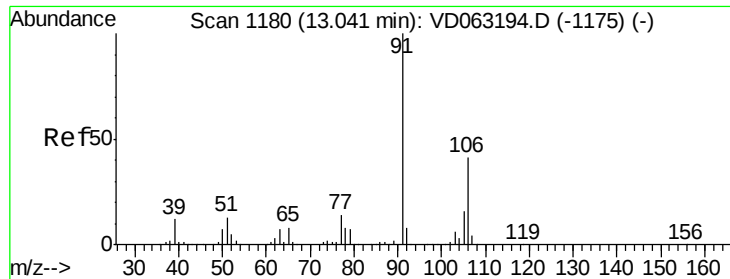
#68
m/p-Xylenes
Concen: 101.916 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion: 106 Resp: 1390583
Ion Ratio Lower Upper
106 100
91 211.1 172.6 259.0



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

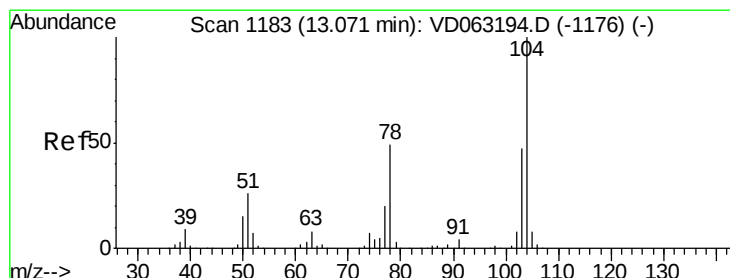
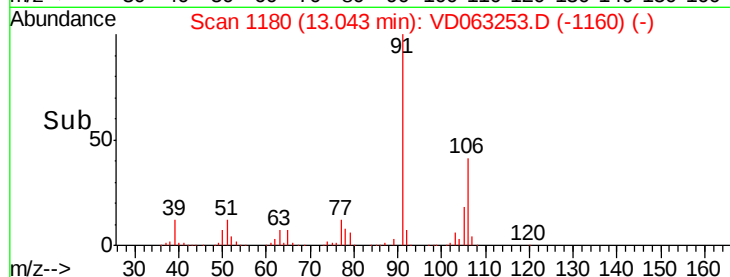
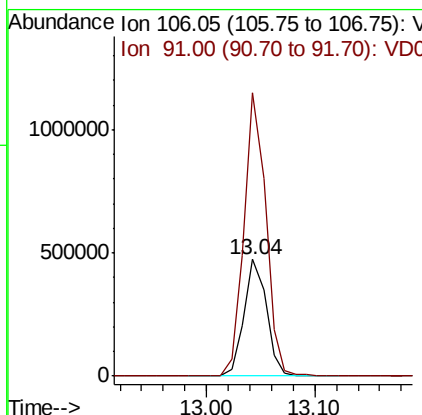
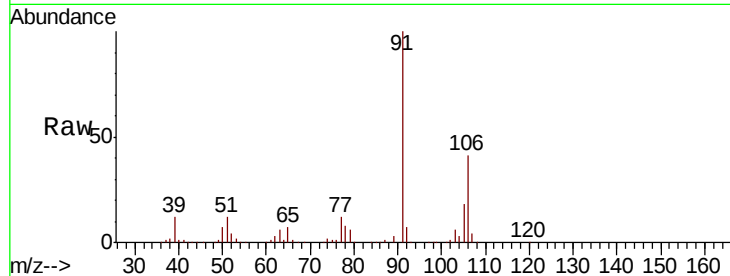




#69
o-Xylene
Concen: 54.904 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

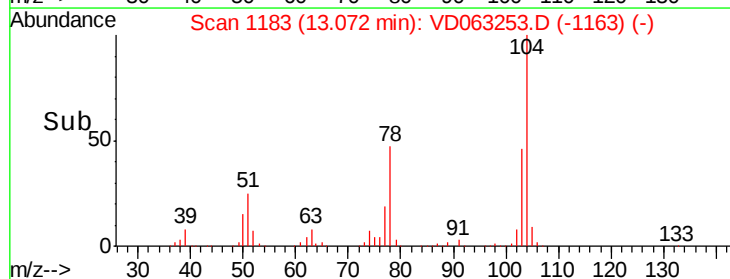
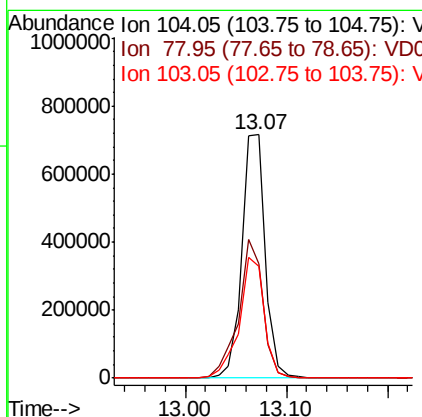
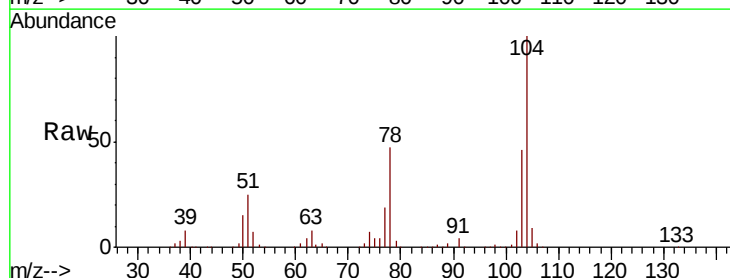
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

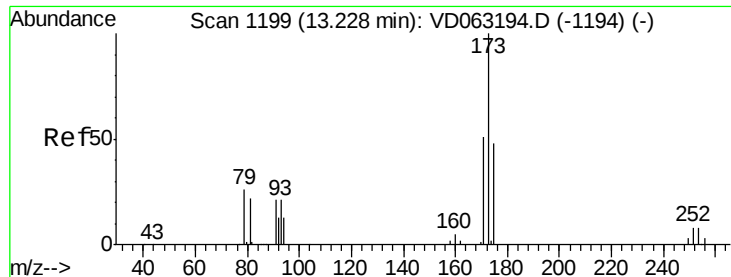
Tot Ion:106 Resp: 687928
Ion Ratio Lower Upper
106 100
91 242.1 121.3 363.9



#70
Styrene
Concen: 51.708 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion:104 Resp: 1148977
Ion Ratio Lower Upper
104 100
78 46.8 39.4 59.0
103 46.1 37.4 56.2





#71

Bromoform

Concen: 51.357 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

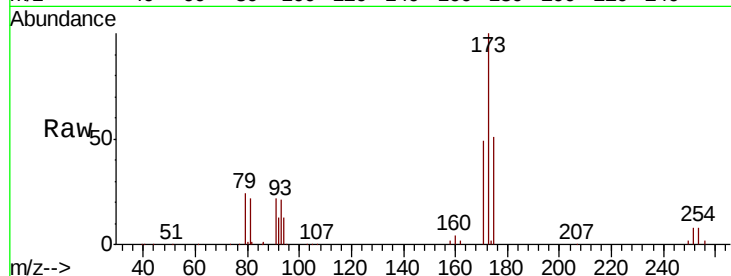
Tot Ion:173 Resp: 360303

Ion Ratio Lower Upper

173 100

175 51.0 23.8 71.5

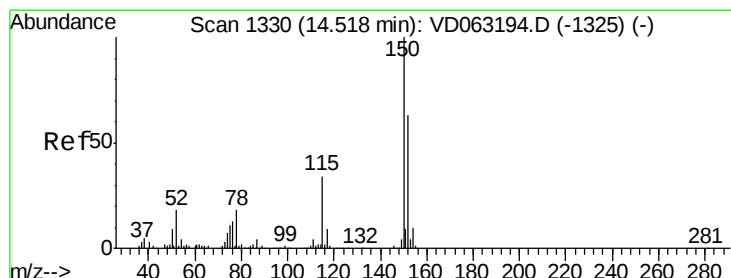
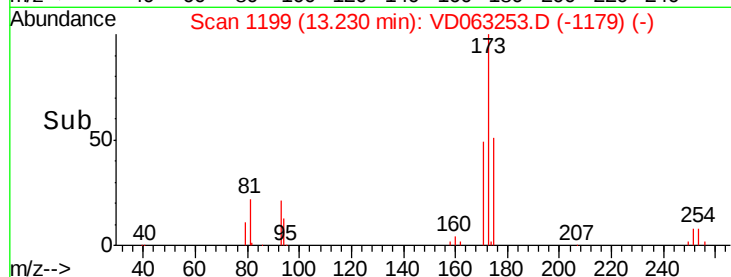
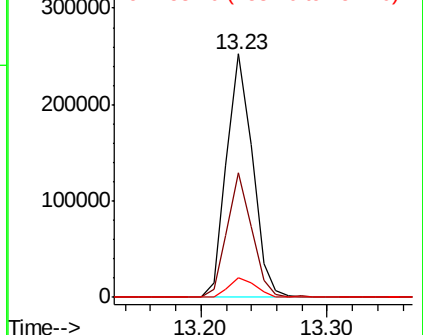
254 7.9 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

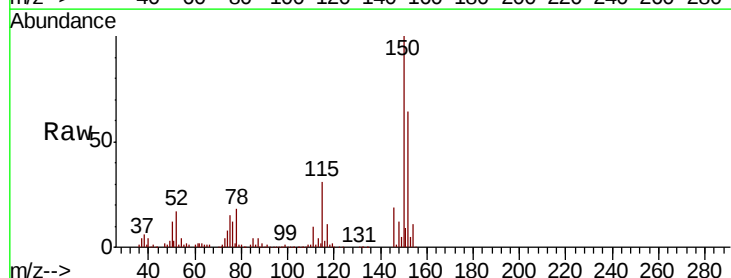
Tgt Ion:152 Resp: 587397

Ion Ratio Lower Upper

152 100

115 48.8 27.5 82.4

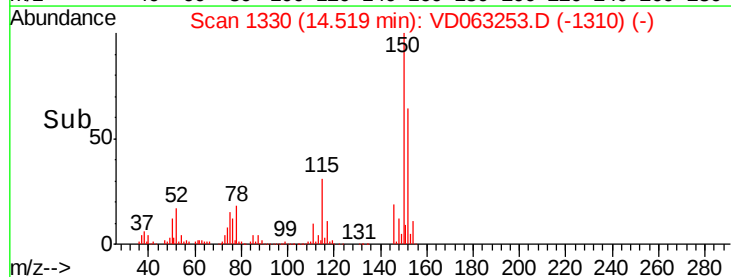
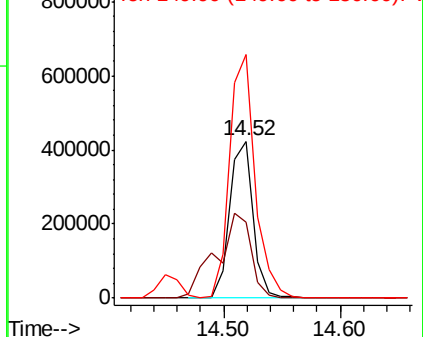
150 155.4 0.0 320.6

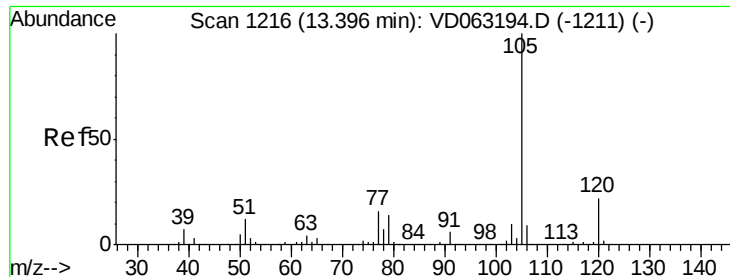


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.668 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

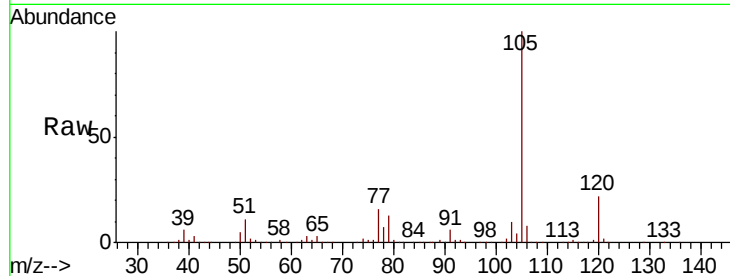
VSTDCCC050EC

Tot Ion:105 Resp: 2015435

Ion Ratio Lower Upper

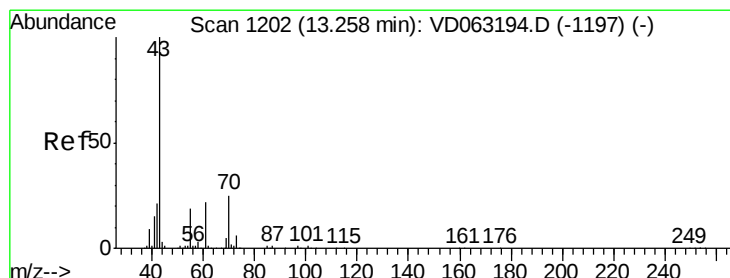
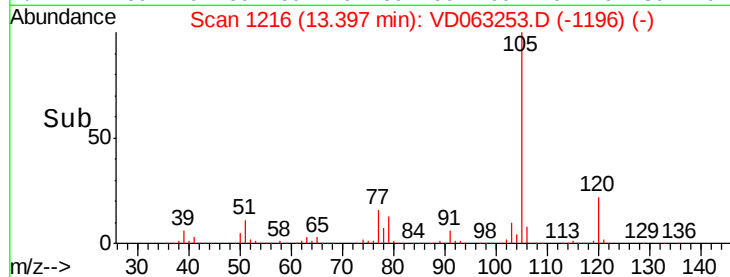
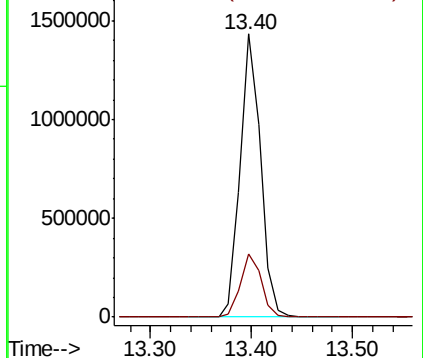
105 100

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



#74

N-ethyl acetate

Concen: 49.900 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Tgt Ion: 43 Resp: 486331

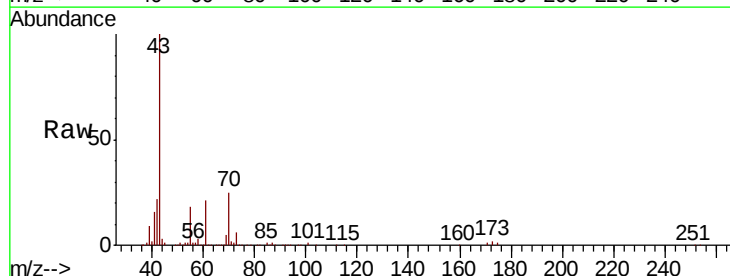
Ion Ratio Lower Upper

43 100

70 25.0 20.2 30.4

55 18.0 14.9 22.3

61 21.4 17.9 26.9

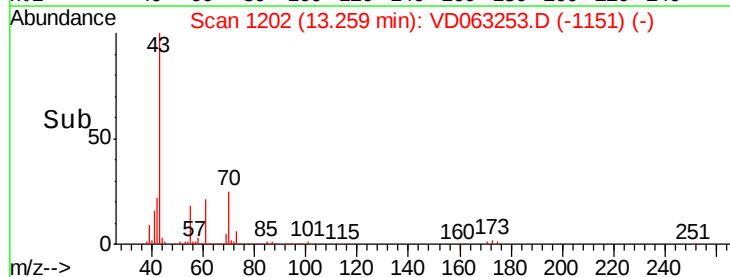
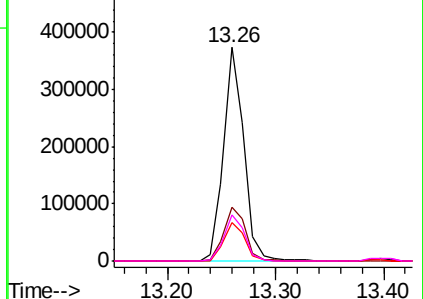


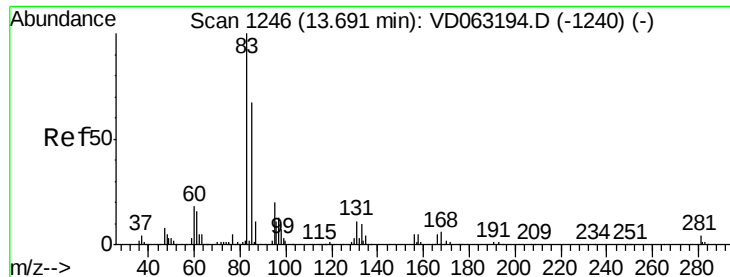
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.968 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

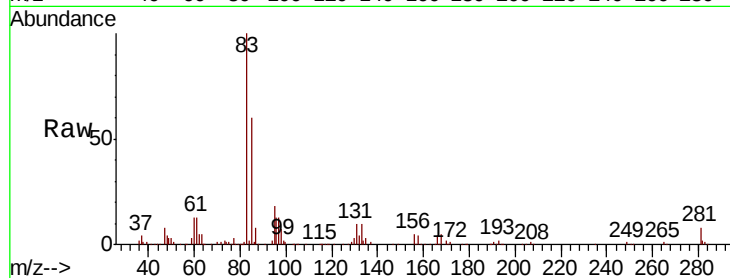
Tot Ion: 83 Resp: 337964

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.7

85 60.5 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

300000

250000

200000

150000

100000

50000

0

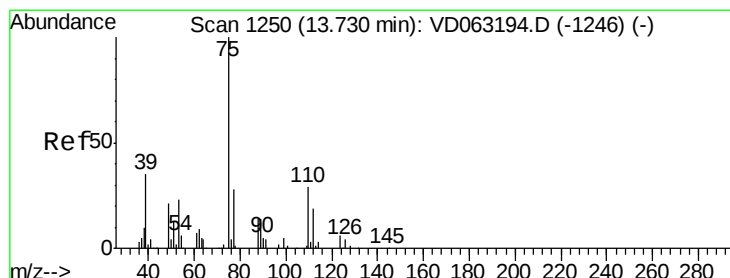
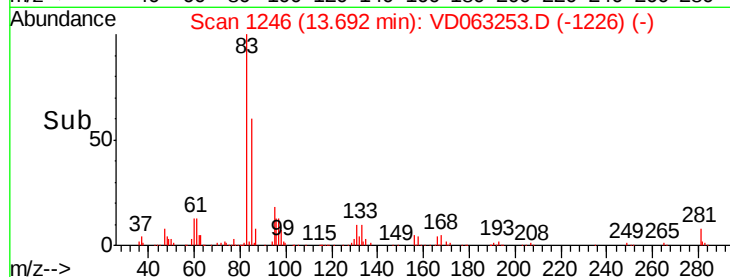
13.69

13.60

13.70

13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.593 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063253.D

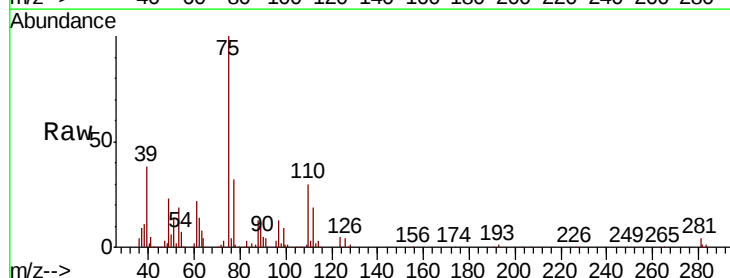
Acq: 30 Jul 2019 20:56

Tgt Ion: 75 Resp: 356955

Ion Ratio Lower Upper

75 100

77 32.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

500000

400000

300000

200000

100000

0

13.73

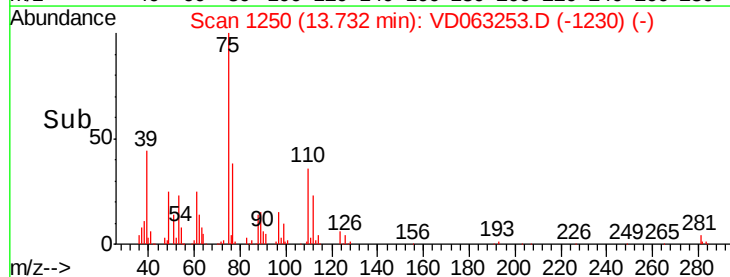
13.65

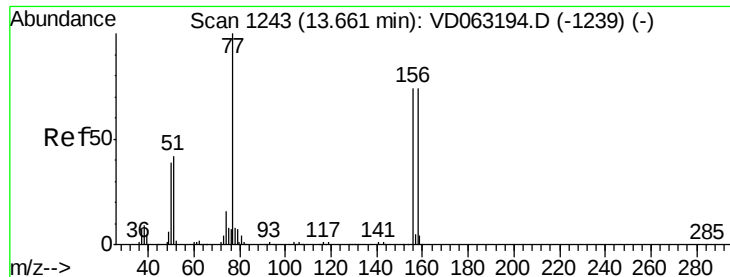
13.70

13.75

13.80

Time-->





#77

Bromobenzene

Concen: 52.668 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

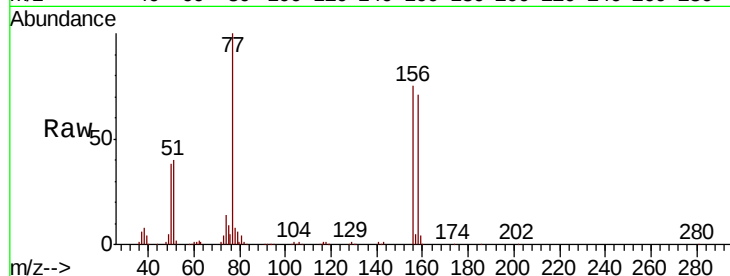
Tot Ion:156 Resp: 553132

Ion Ratio Lower Upper

156 100

77 133.0 67.6 202.8

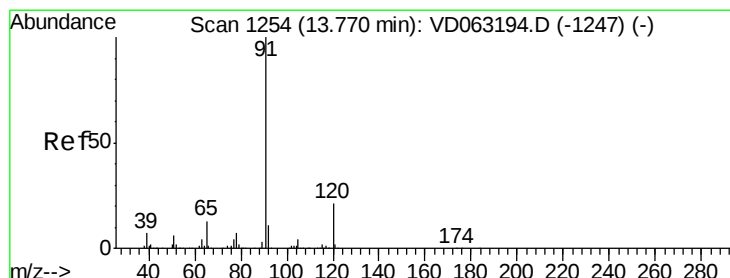
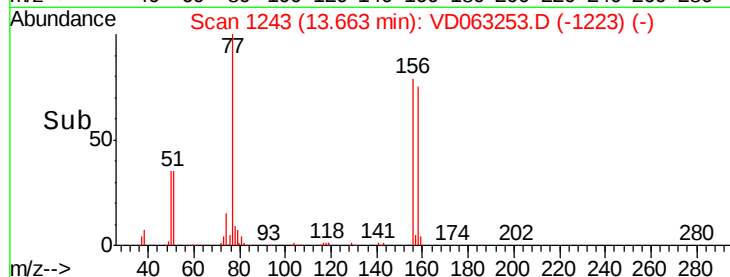
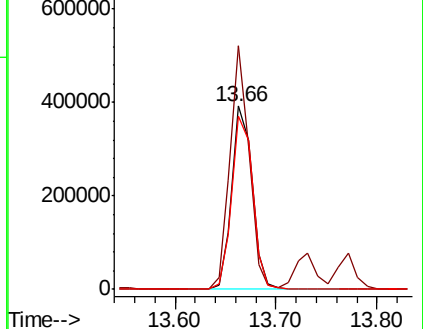
158 94.5 49.8 149.4



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: 52.012 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063253.D

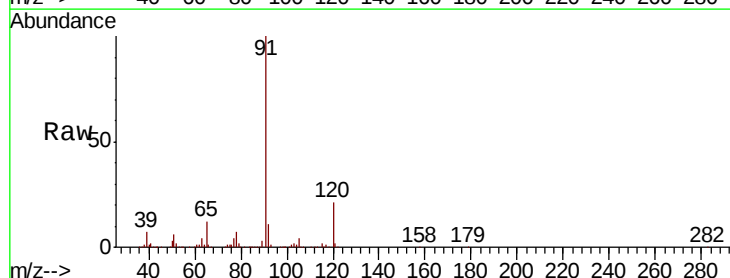
Acq: 30 Jul 2019 20:56

Tgt Ion: 91 Resp: 2281905

Ion Ratio Lower Upper

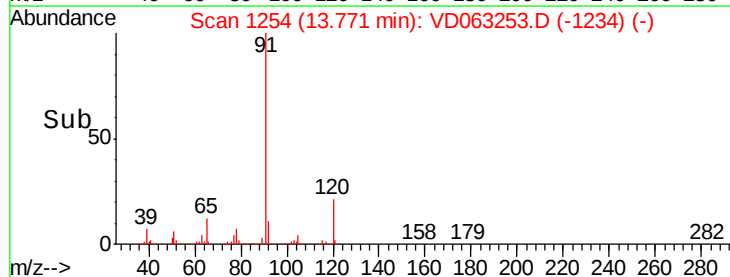
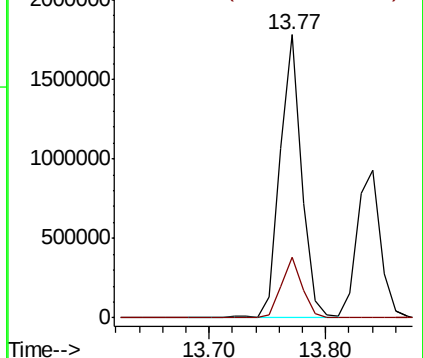
91 100

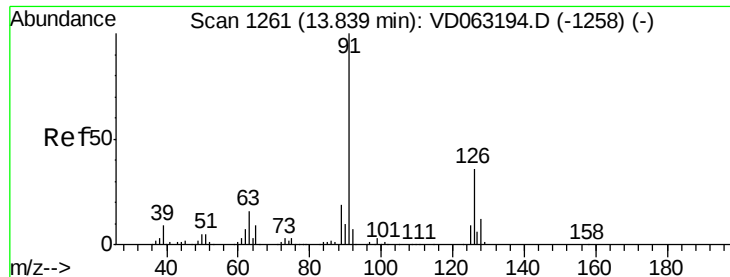
120 21.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.147 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

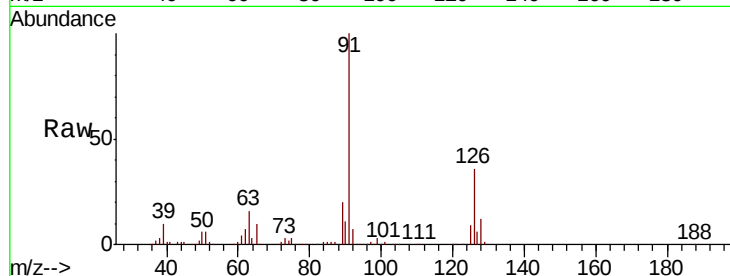
VSTDCCC050EC

Tot Ion: 91 Resp: 1300222

Ion Ratio Lower Upper

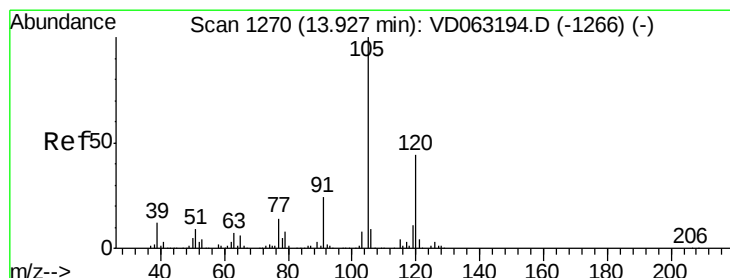
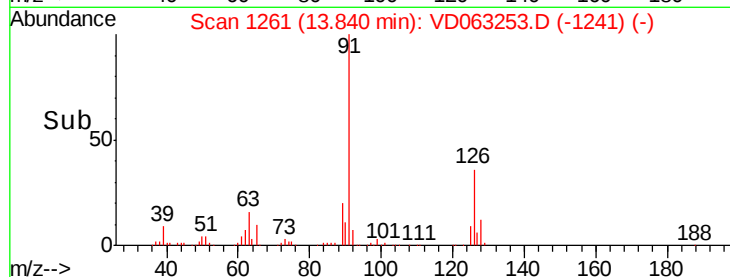
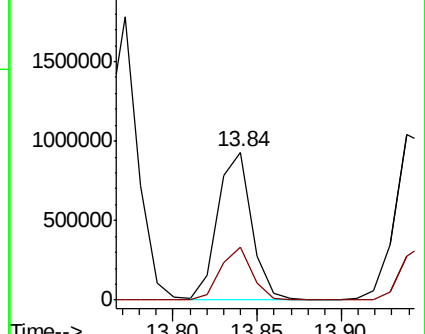
91 100

126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 48.551 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063253.D

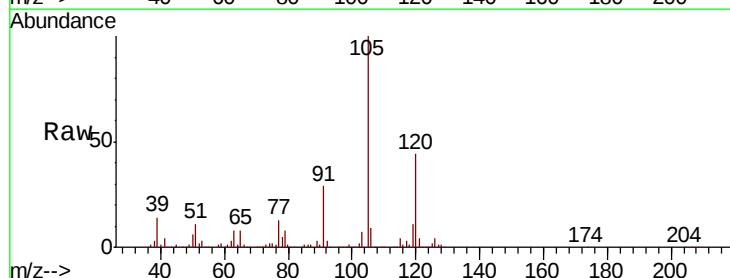
Acq: 30 Jul 2019 20:56

Tgt Ion: 105 Resp: 1543805

Ion Ratio Lower Upper

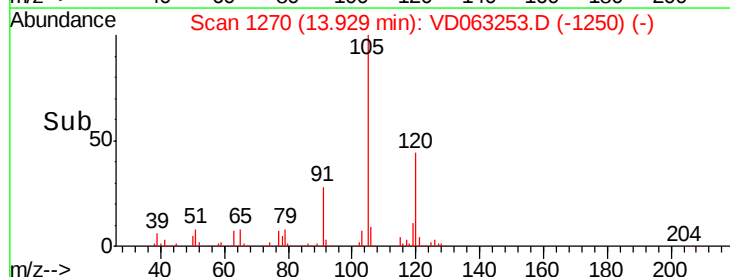
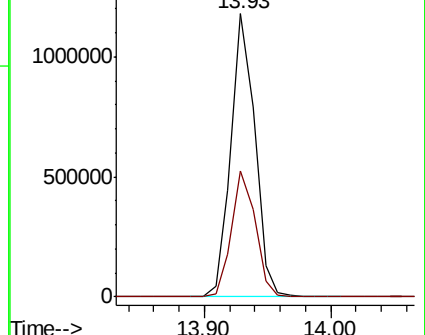
105 100

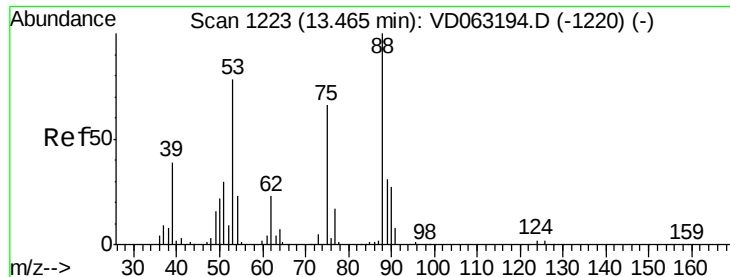
120 44.3 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.466 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

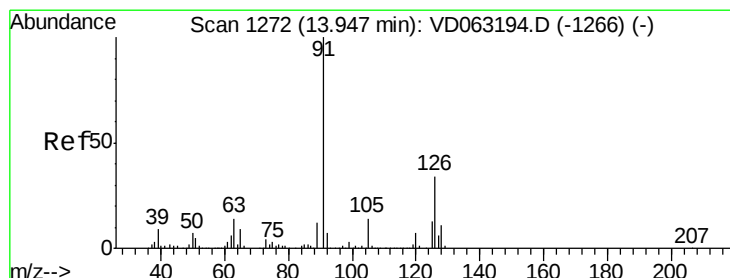
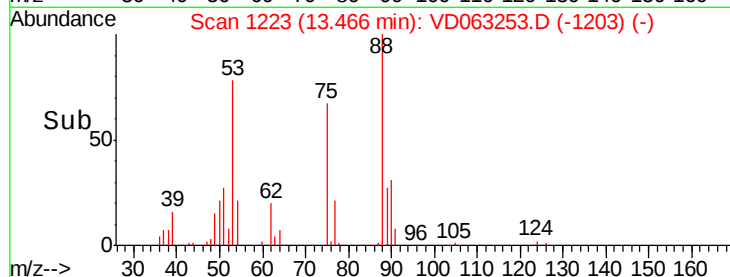
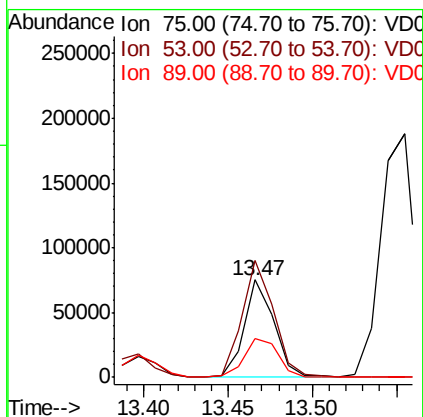
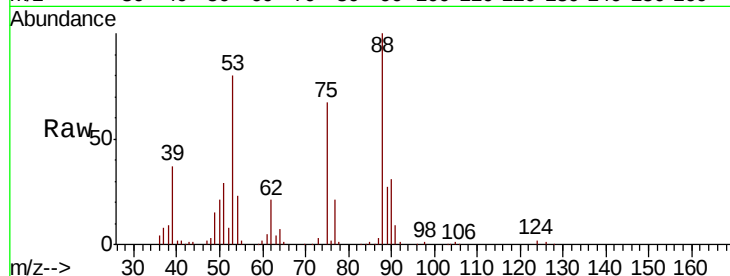
Tot Ion: 75 Resp: 92992

Ion Ratio Lower Upper

75 100

53 120.5 94.9 142.3

89 39.9 37.4 56.0



#82

4-Chlorotoluene

Concen: 53.608 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063253.D

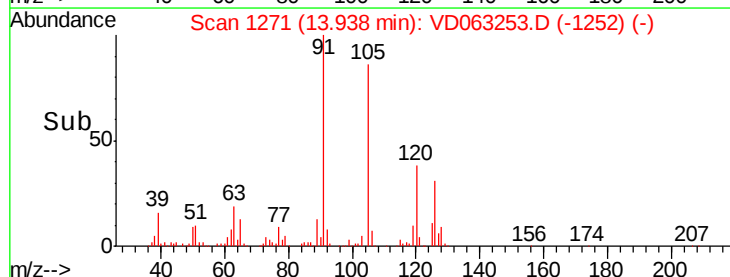
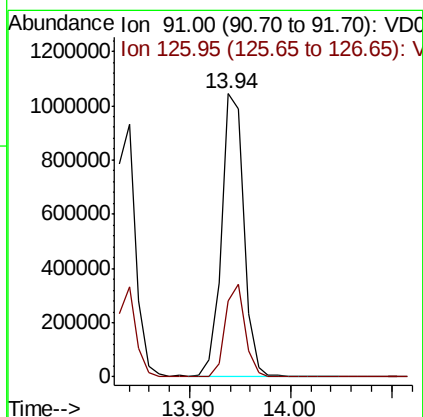
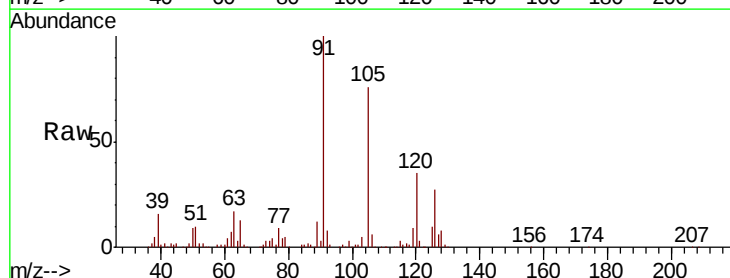
Acq: 30 Jul 2019 20:56

Tgt Ion: 91 Resp: 1603819

Ion Ratio Lower Upper

91 100

126 26.9 17.1 51.2

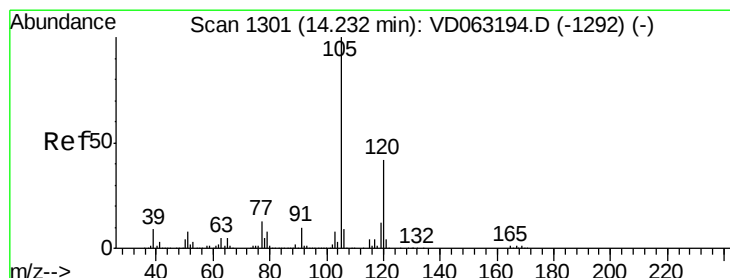
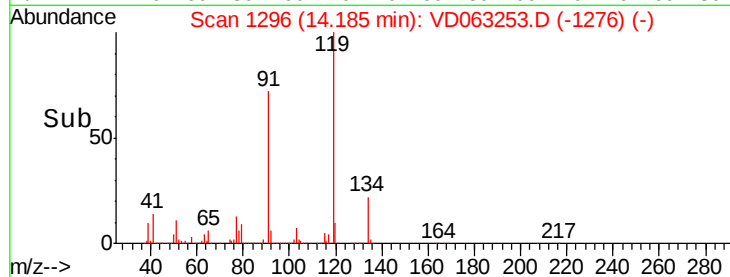
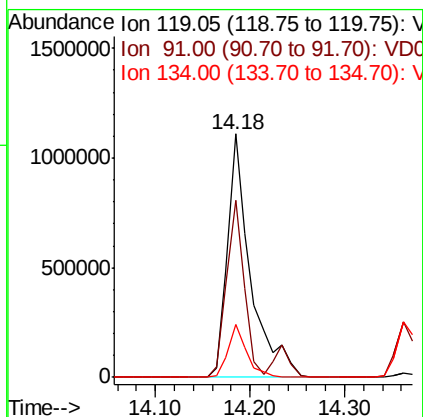
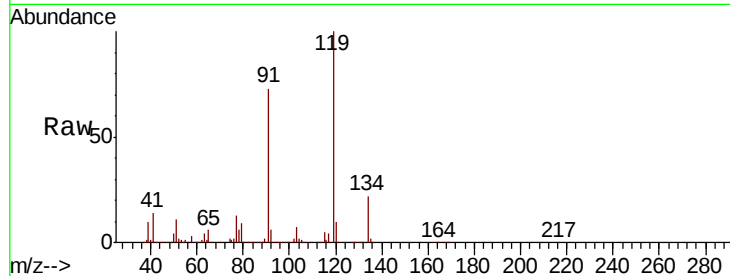




#83
tert-Butylbenzene
Concen: 51.688 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

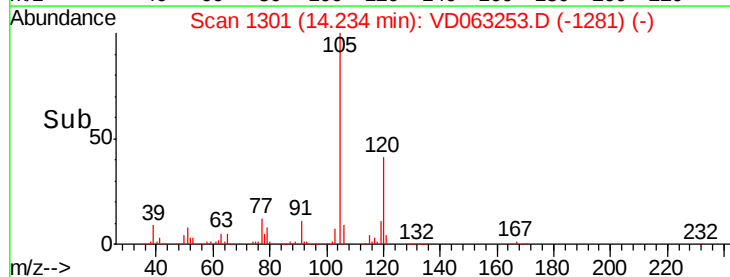
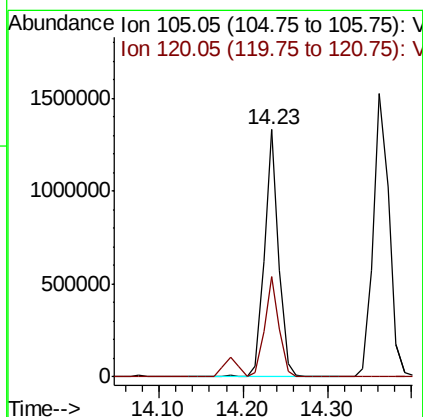
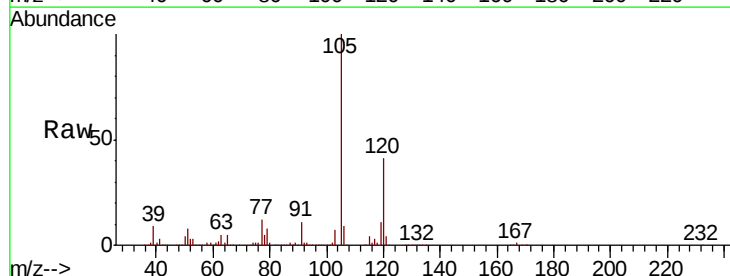
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

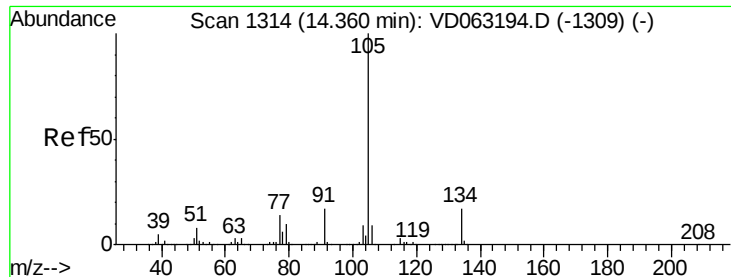
Tot Ion:119 Resp: 1876608
Ion Ratio Lower Upper
119 100
91 72.5 39.1 117.5
134 21.5 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 48.611 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion:105 Resp: 1598778
Ion Ratio Lower Upper
105 100
120 40.8 20.9 62.7





#85

sec-Butylbenzene

Concen: 52.022 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

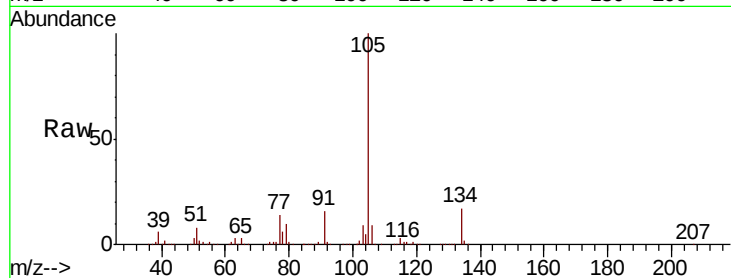
VSTDCCC050EC

Tot Ion:105 Resp: 1989953

Ion Ratio Lower Upper

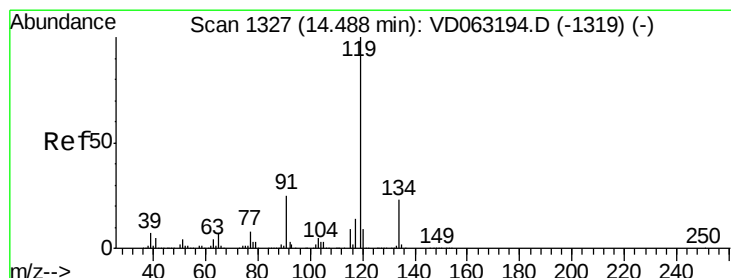
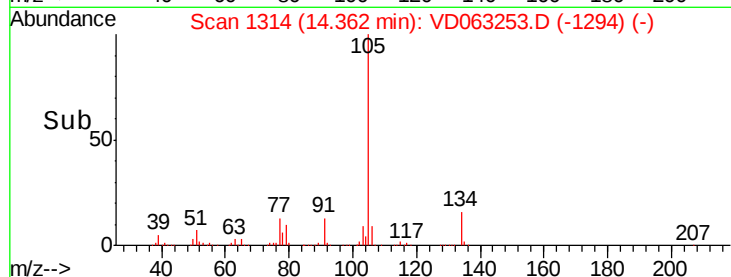
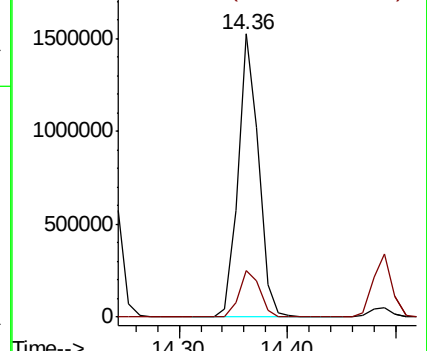
105 100

134 16.6 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: 52.214 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

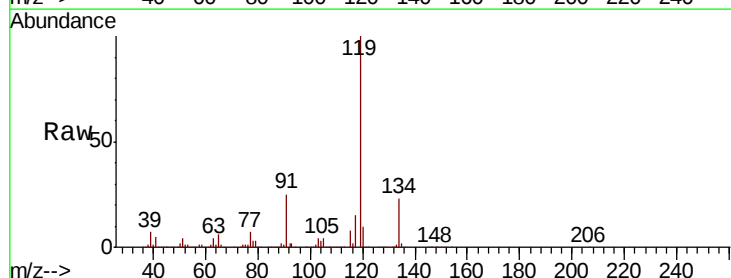
Tgt Ion:119 Resp: 1906302

Ion Ratio Lower Upper

119 100

134 22.8 11.5 34.5

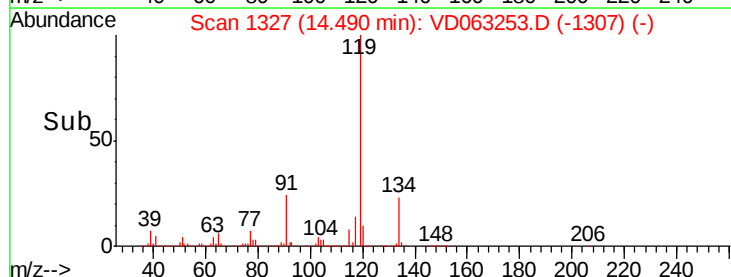
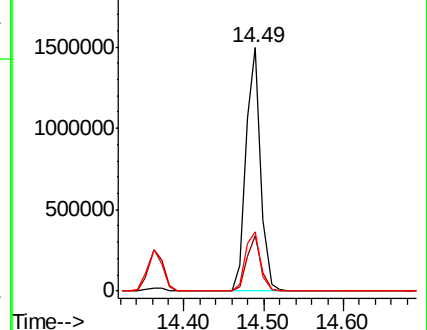
91 24.6 12.6 37.6

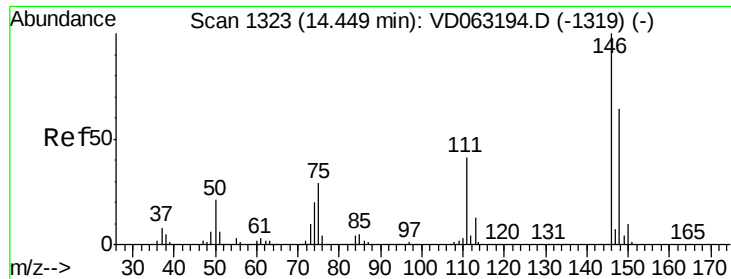


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

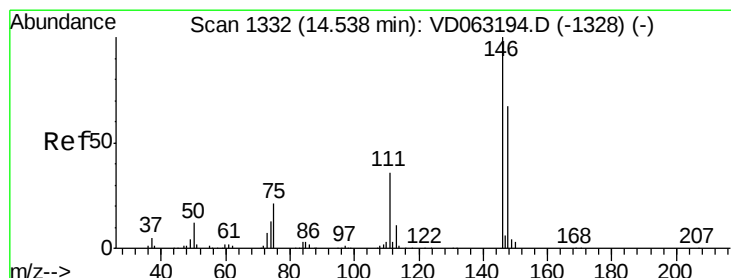
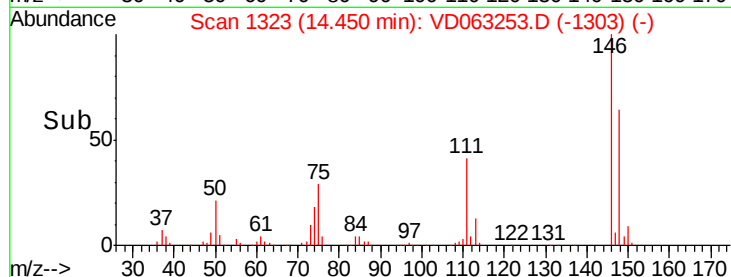
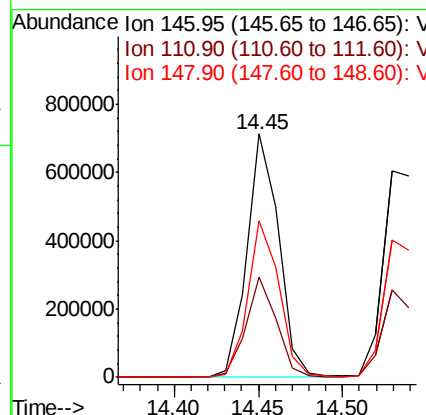
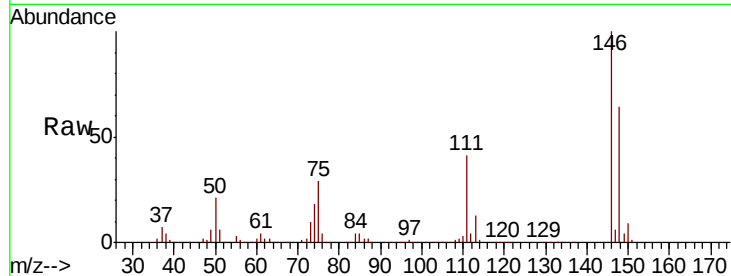




#87
 1,3-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

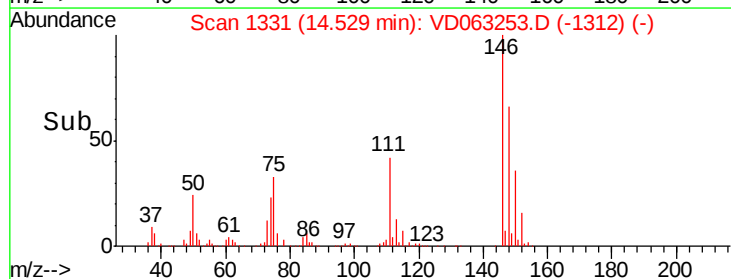
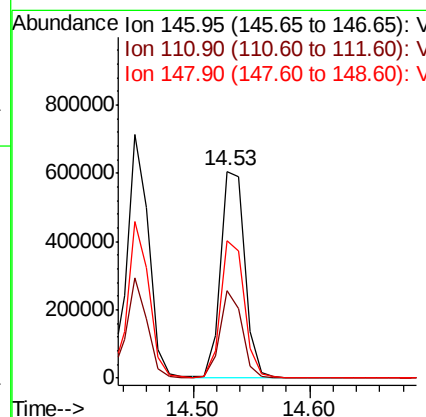
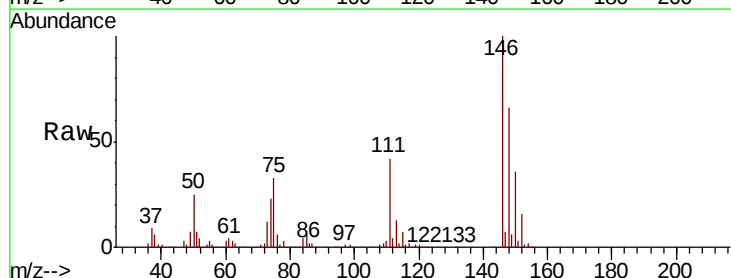
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

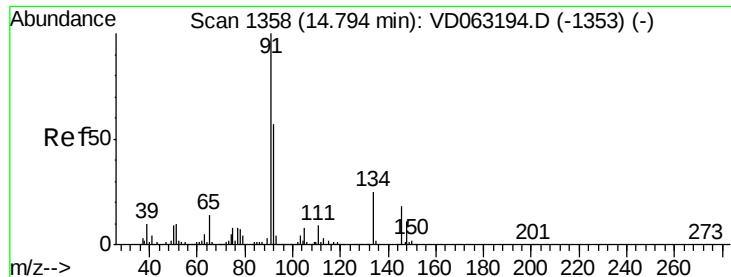
Tot Ion:146 Resp: 930273
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.3
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.666 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion:146 Resp: 877663
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.1 54.3
 148 66.3 33.4 100.1





#89

n-Butylbenzene

Concen: 54.879 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063253.D

Acq: 30 Jul 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

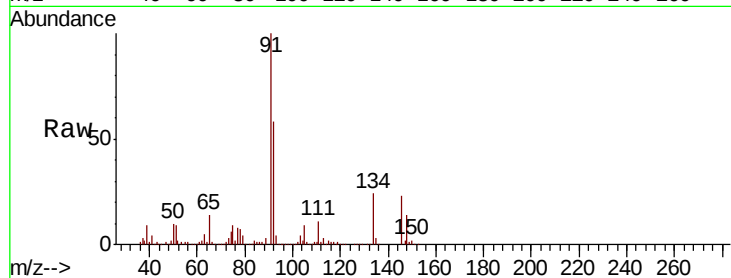
Tot Ion: 91 Resp: 1730490

Ion	Ratio	Lower	Upper
91	100		
92	58.1	28.3	85.0
134	23.8	12.3	36.8

91 100

92 58.1 28.3 85.0

134 23.8 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

1500000

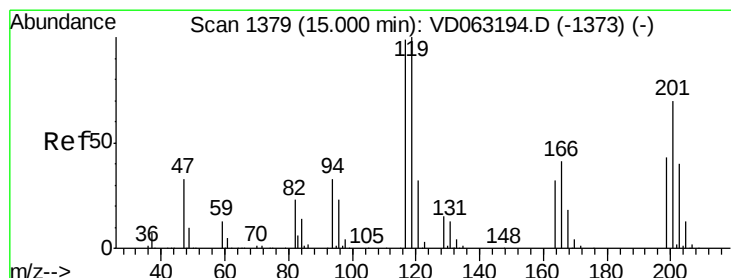
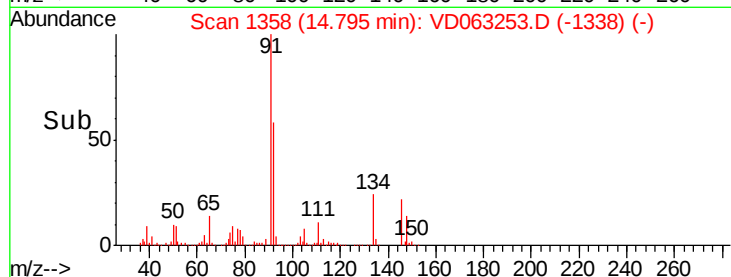
1000000

500000

0

14.70 14.80 14.90

Time-->



#90

Hexachloroethane

Concen: 48.758 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063253.D

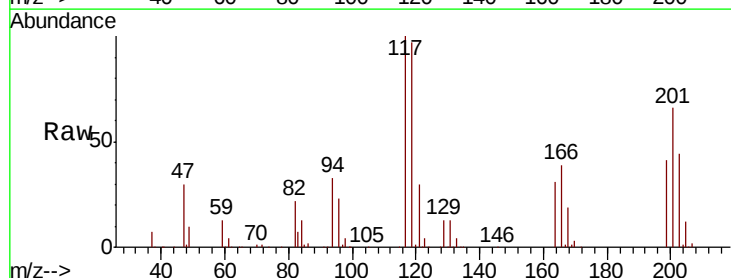
Acq: 30 Jul 2019 20:56

Tgt Ion: 117 Resp: 463794

Ion	Ratio	Lower	Upper
117	100		
201	66.5	35.2	105.6

117 100

201 66.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

15.00

400000

300000

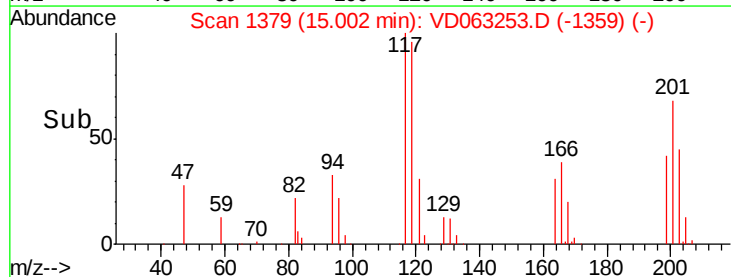
200000

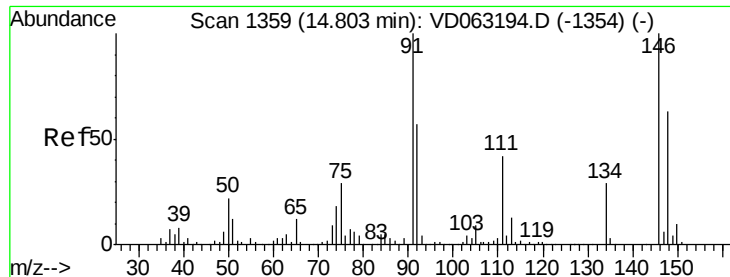
100000

0

15.00 15.10

Time-->

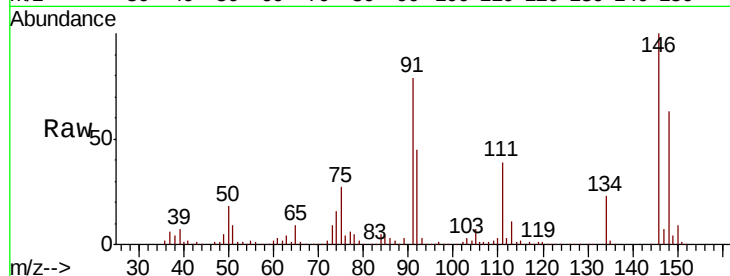




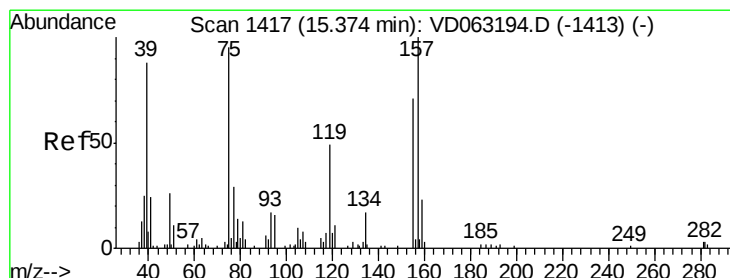
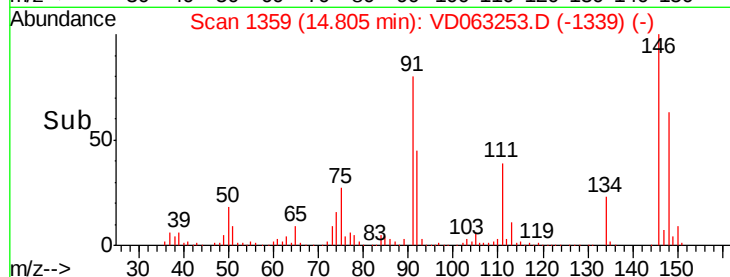
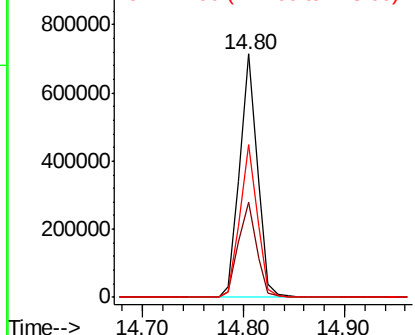
#91
 1,2-Dichlorobenzene
 Concen: 53.653 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 869432
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.3
 148 62.7 31.6 94.8

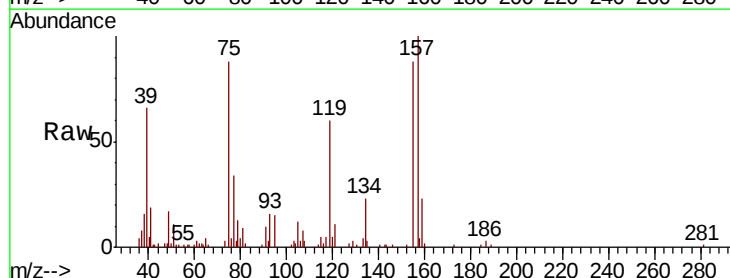


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

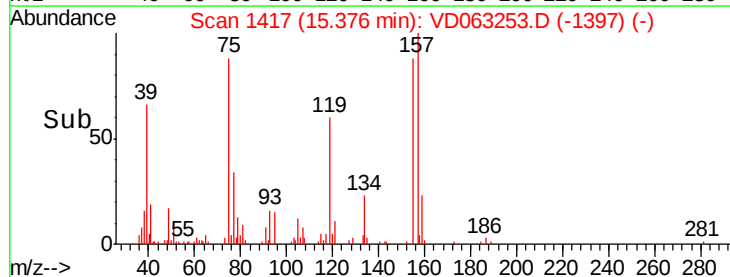
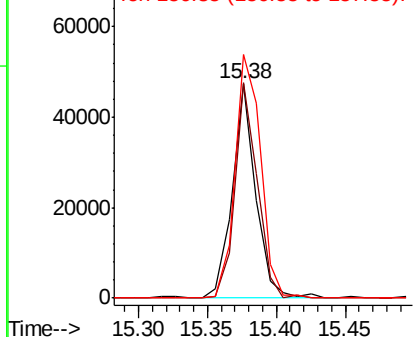


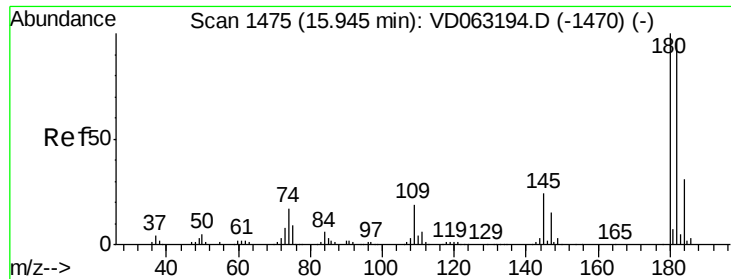
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.766 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion: 75 Resp: 55828
 Ion Ratio Lower Upper
 75 100
 155 100.4 37.0 111.0
 157 113.6 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

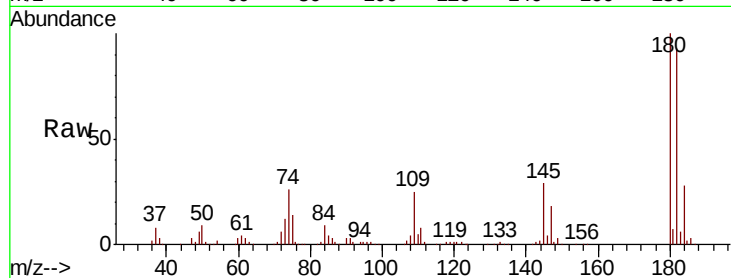




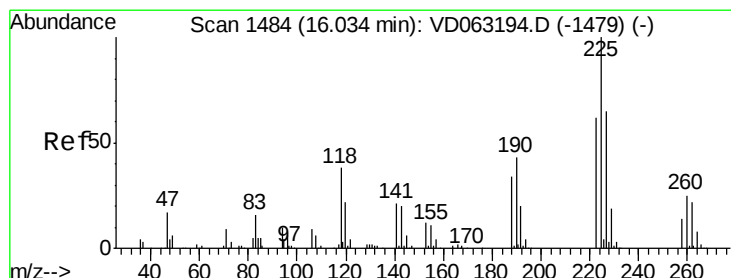
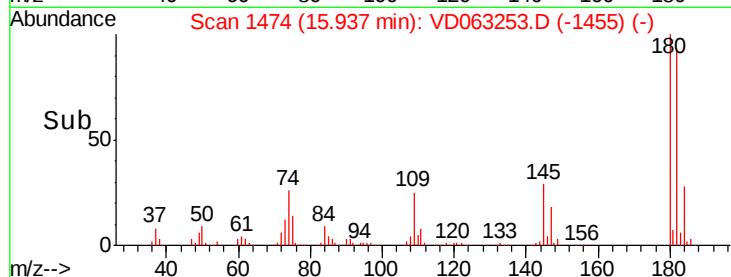
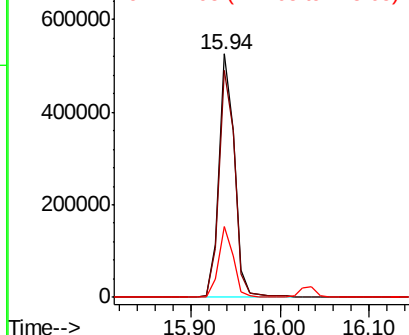
#93
 1,2,4-Trichlorobenzene
 Concen: 50.297 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 646585
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.6 145.8
 145 29.3 12.2 36.6

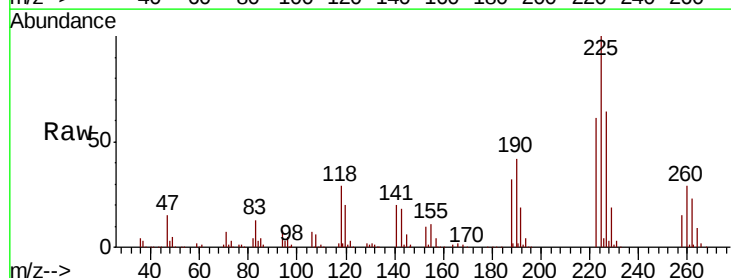


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

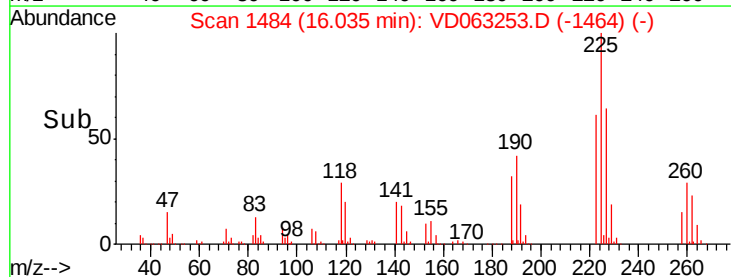
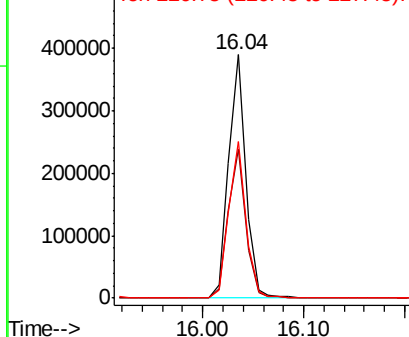


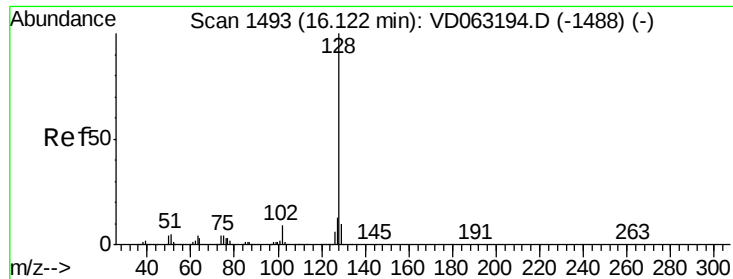
#94
 Hexachlorobutadiene
 Concen: 49.650 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063253.D
 Acq: 30 Jul 2019 20:56

Tgt Ion:225 Resp: 462533
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.9 92.5
 227 64.1 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

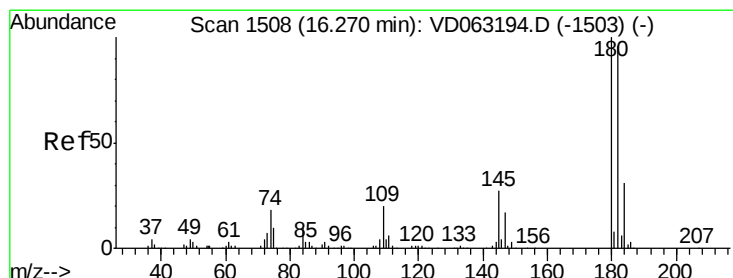
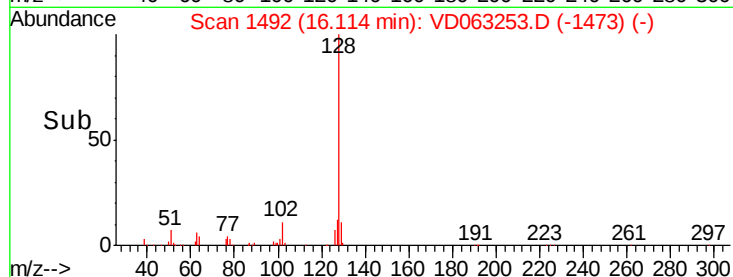
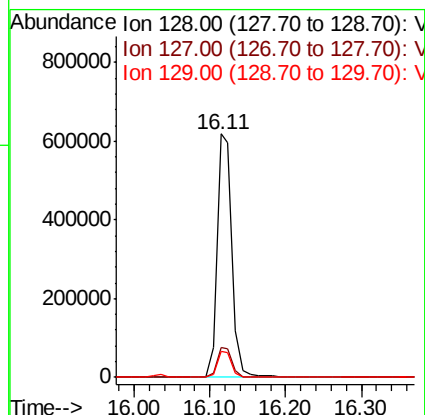
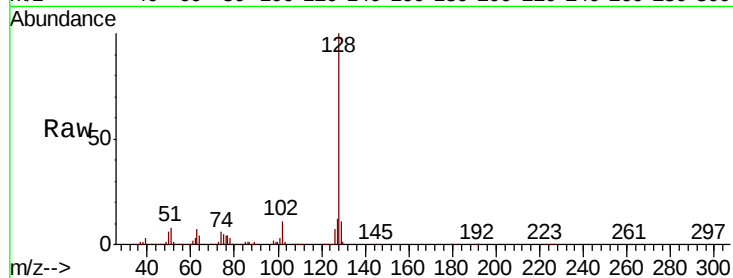




#95
Naphthalene
Concen: 47.516 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 863350
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.7 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 47.270 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063253.D
Acq: 30 Jul 2019 20:56

Tgt Ion:180 Resp: 480049
Ion Ratio Lower Upper
180 100
182 98.0 48.3 144.9
145 26.3 13.6 40.7

