

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063500.D
 Acq On : 12 Aug 2019 20:59
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 13 07:48:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	939086	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1363767	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1160450	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	611293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	540962	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	6.93	113	608037	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.42	98	1364287	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	13.56	95	614554	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	573015	50.436	ug/l	97
3) Chloromethane	1.74	50	438936	49.448	ug/l	94
4) Vinyl Chloride	1.84	62	468753	53.195	ug/l	98
5) Bromomethane	2.15	94	245371	59.012	ug/l	96
6) Chloroethane	2.26	64	231667	57.490	ug/l	99
7) Trichlorofluoromethane	2.53	101	944799	54.661	ug/l	99
8) Diethyl Ether	2.88	74	143805	58.926	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	521687	51.115	ug/l	99
10) Methyl Iodide	3.30	142	803810	55.662	ug/l #	91
11) Tert butyl alcohol	4.08	59	128919	295.023	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	353644	46.605	ug/l	93
13) Acrolein	3.03	56	141766	329.593	ug/l	94
14) Allyl chloride	3.61	41	623622	54.669	ug/l	95
15) Acrylonitrile	4.19	53	306785	265.052	ug/l	92
16) Acetone	3.22	43	500735	245.392	ug/l	96
17) Carbon Disulfide	3.37	76	1234102	51.531	ug/l	98
18) Methyl Acetate	3.64	43	251521	65.075	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	887329	58.471	ug/l	100
20) Methylene Chloride	3.81	84	446197	50.569	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	452874	56.714	ug/l	92
22) Diisopropyl ether	5.13	45	1240808	52.712	ug/l	99
23) Vinyl Acetate	5.06	43	3666653	267.940	ug/l	98
24) 1,1-Dichloroethane	4.98	63	804298	55.090	ug/l	99
25) 2-Butanone	6.07	43	532159	264.057	ug/l	92
26) 2,2-Dichloropropane	6.03	77	769171	52.894	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	471176	53.932	ug/l	85
28) Bromochloromethane	6.44	49	311062	52.570	ug/l	95
29) Tetrahydrofuran	6.46	42	249084	265.240	ug/l	98
30) Chloroform	6.67	83	1021638	56.297	ug/l	98
31) Cyclohexane	6.95	56	471354	52.005	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	982962	56.624	ug/l	99
36) 1,1-Dichloropropene	7.15	75	662380	54.942	ug/l	98
37) Ethyl Acetate	6.18	43	274161	54.270	ug/l	97
38) Carbon Tetrachloride	7.11	117	1056075	58.122	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	483484	47.162	ug/l	95
40) Benzene	7.45	78	1365277	51.460	ug/l	97
41) Methacrylonitrile	6.45	41	353878	55.634	ug/l	96
42) 1,2-Dichloroethane	7.58	62	761010	57.045	ug/l	99
43) Isopropyl Acetate	9.24	43	353412	52.233	ug/l #	96
44) Trichloroethene	8.55	130	537913	53.045	ug/l	97
45) 1,2-Dichloropropane	8.94	63	343888	55.659	ug/l	95
46) Dibromomethane	9.07	93	292464	55.430	ug/l	98
47) Bromodichloromethane	9.37	83	775793	57.321	ug/l	98
48) Methyl methacrylate	9.12	41	243079	52.975	ug/l	97
49) 1,4-Dioxane	9.09	88	42226	1029.770	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	1289096	278.434	ug/l	99
52) Toluene	10.51	92	955378	55.908	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	645563	58.447	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	689252	55.342	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	316506	54.831	ug/l	98
56) Ethyl methacrylate	11.05	69	348715	55.658	ug/l	94
57) 1,3-Dichloropropane	11.41	76	456625	52.332	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	928305	280.651	ug/l	96
59) 2-Hexanone	11.54	43	947781	281.343	ug/l	99
60) Dibromochloromethane	11.69	129	611732	58.239	ug/l	100
61) 1,2-Dibromoethane	11.80	107	407442	58.306	ug/l	99
64) Tetrachloroethene	11.26	164	462145	51.588	ug/l	96
65) Chlorobenzene	12.40	112	1137560	52.303	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	565338	59.062	ug/l	95
67) Ethyl Benzene	12.52	91	2077946	54.947	ug/l	100
68) m/p-Xylenes	12.67	106	1434903	107.998	ug/l	98
69) o-Xylene	13.05	106	656198	51.315	ug/l	100
70) Styrene	13.07	104	1068574	46.977	ug/l	98
71) Bromoform	13.23	173	409923	62.456	ug/l #	99
73) Isopropylbenzene	13.41	105	2169919	55.808	ug/l	99
74) N-amyl acetate	13.27	43	520416	53.319	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	363477	56.321	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	383950	54.728	ug/l	98
77) Bromobenzene	13.67	156	599942	56.457	ug/l	85
78) n-propylbenzene	13.77	91	2300026	50.558	ug/l	95
79) 2-Chlorotoluene	13.84	91	1392151	53.074	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1789469	52.674	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	98178	52.067	ug/l	98
82) 4-Chlorotoluene	13.95	91	1692300	53.653	ug/l	95
83) tert-Butylbenzene	14.20	119	1839469	51.419	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1718051	54.657	ug/l	93
85) sec-Butylbenzene	14.37	105	1947939	51.273	ug/l	97
86) p-Isopropyltoluene	14.49	119	1695795	46.684	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1038750	54.042	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	972157	52.716	ug/l	96
89) n-Butylbenzene	14.80	91	1740780	52.507	ug/l	94
90) Hexachloroethane	15.01	117	491897	53.875	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	890534	54.608	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65432	53.846	ug/l	59

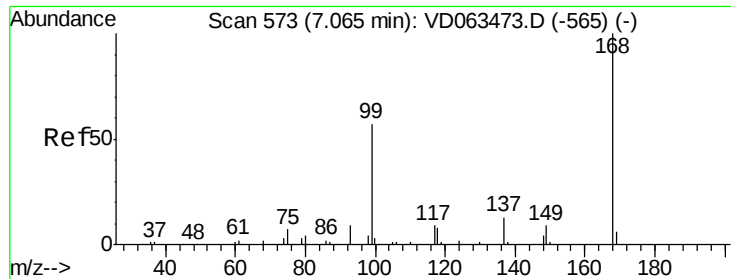
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	665442	55.455	ug/l	96
94) Hexachlorobutadiene	16.04	225	467288	51.095	ug/l	96
95) Naphthalene	16.13	128	998342	54.897	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	497203	51.300	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

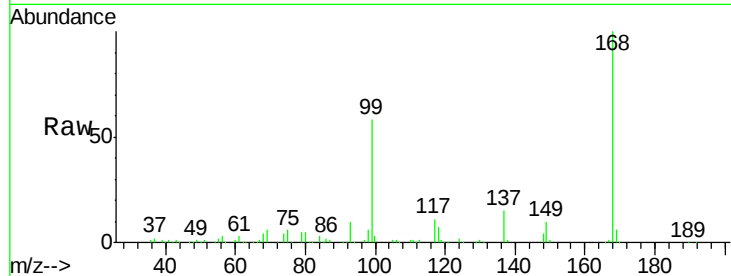
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 939086

Ion Ratio Lower Upper

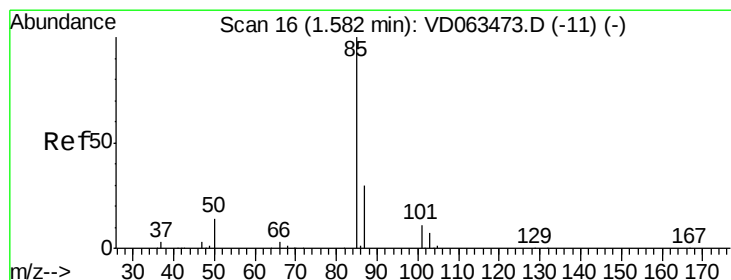
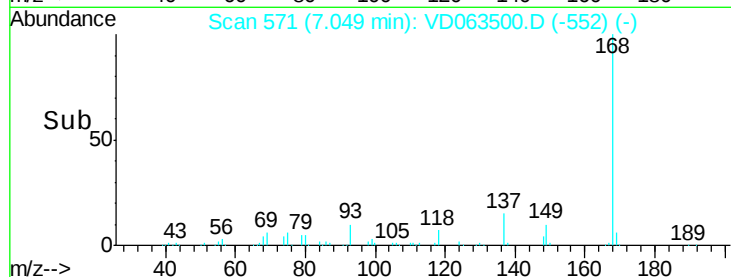
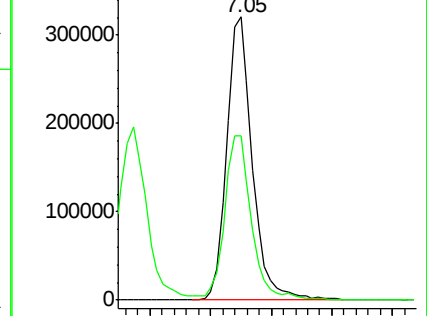
168 100

99 58.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.436 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063500.D

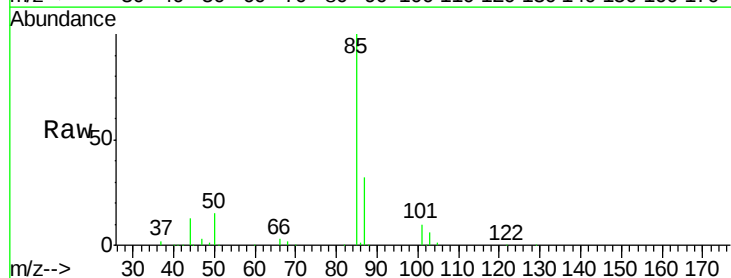
Acq: 12 Aug 2019 20:59

Tgt Ion: 85 Resp: 573015

Ion Ratio Lower Upper

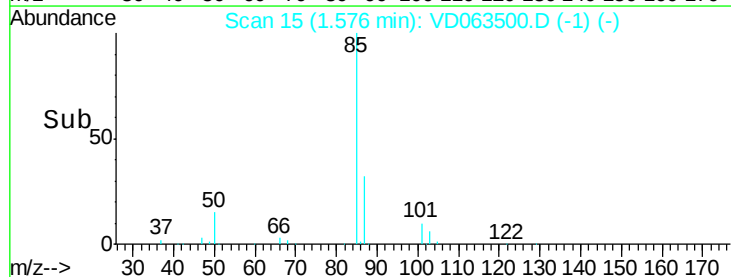
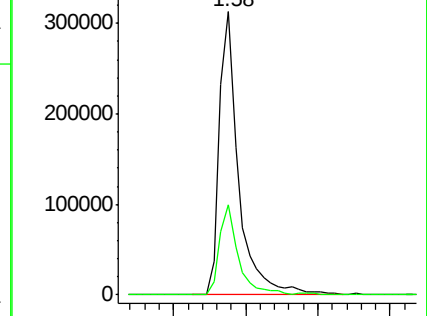
85 100

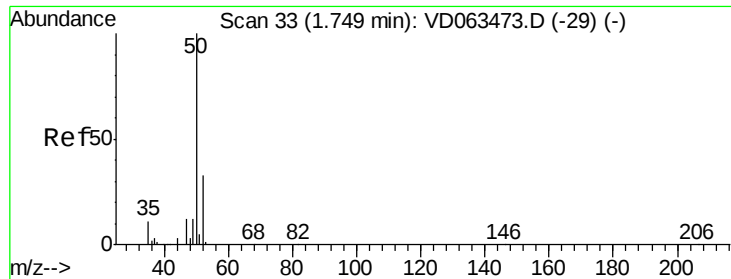
87 31.8 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.448 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

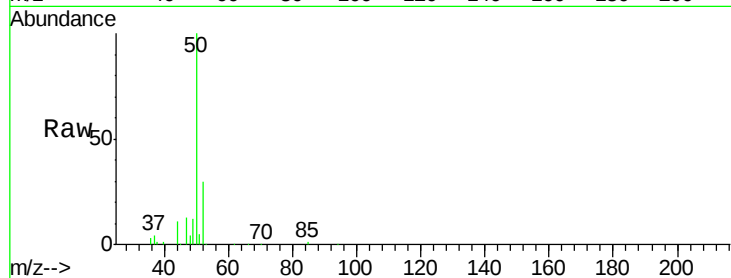
VSTDCCC050EC

Tot Ion: 50 Resp: 438936

Ion Ratio Lower Upper

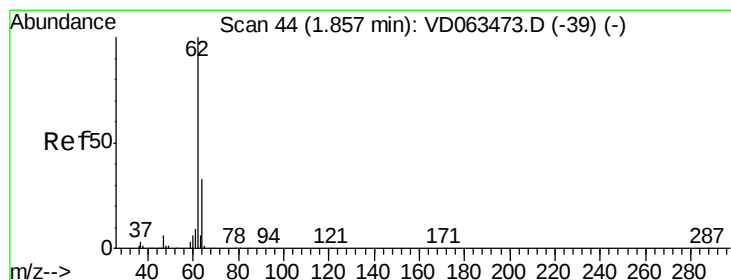
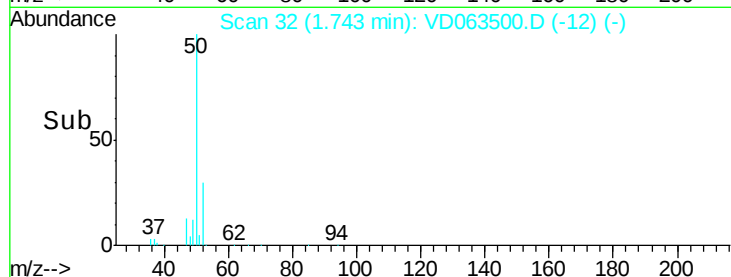
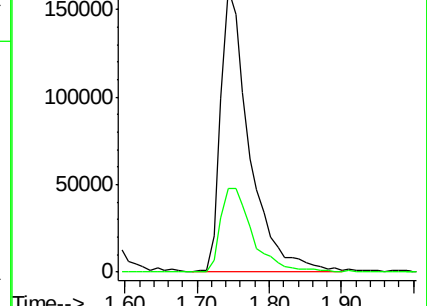
50 100

52 29.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.195 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063500.D

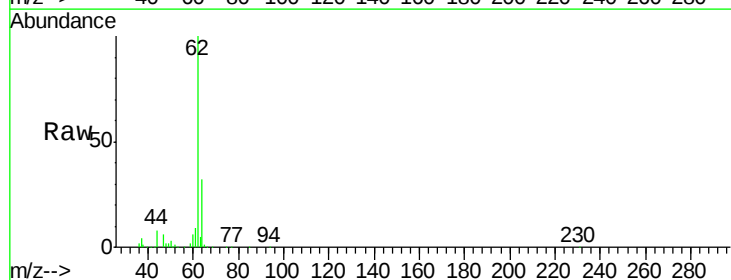
Acq: 12 Aug 2019 20:59

Tgt Ion: 62 Resp: 468753

Ion Ratio Lower Upper

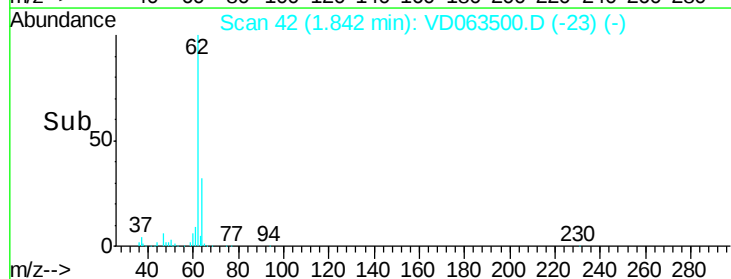
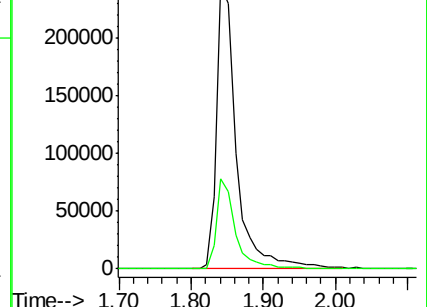
62 100

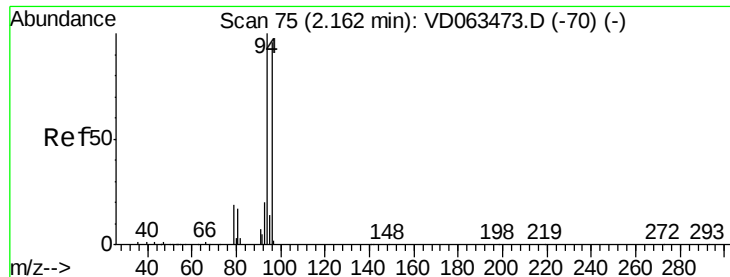
64 32.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.012 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

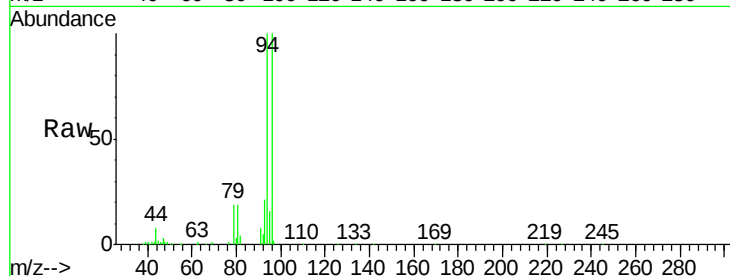
Tot Ion: 94 Resp: 245371

Ion Ratio Lower Upper

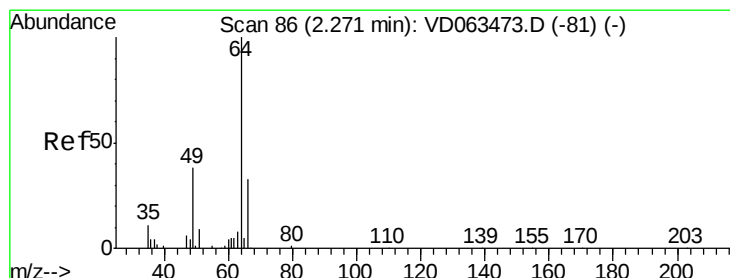
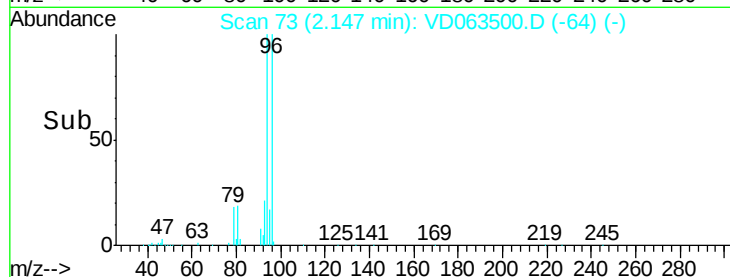
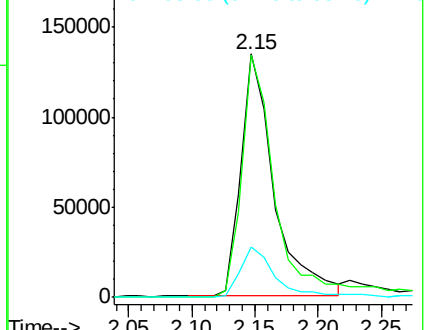
94 100

96 99.5 76.5 114.7

93 20.9 15.8 23.8



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: 57.490 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063500.D

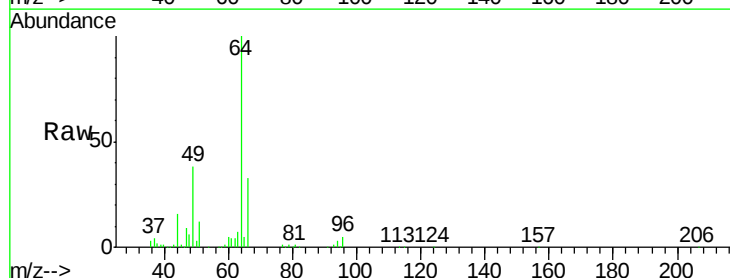
Acq: 12 Aug 2019 20:59

Tgt Ion: 64 Resp: 231667

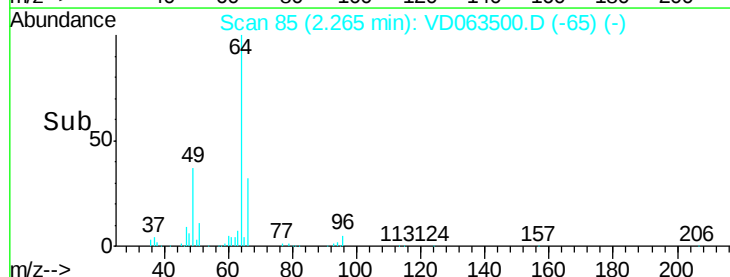
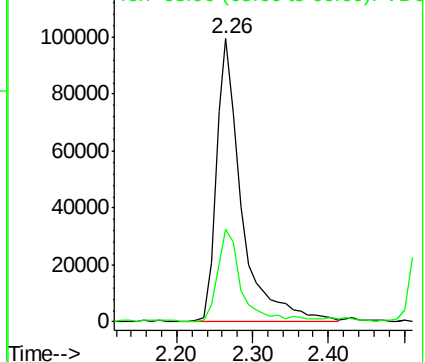
Ion Ratio Lower Upper

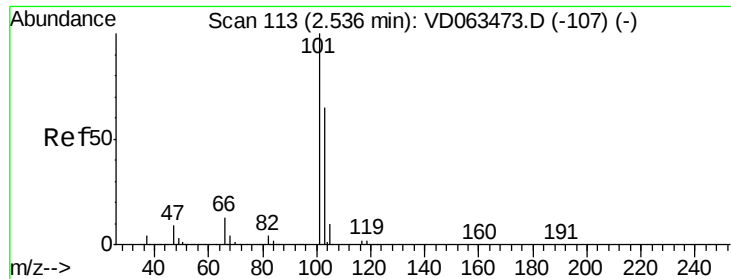
64 100

66 32.6 26.3 39.5



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



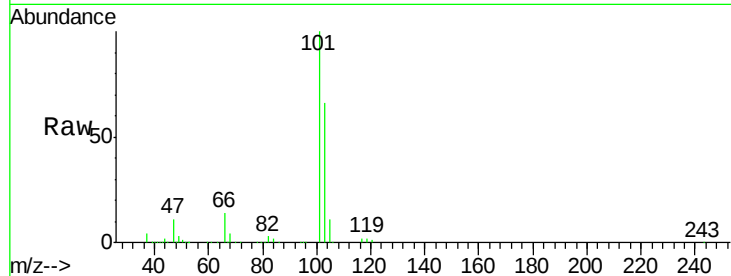


#7

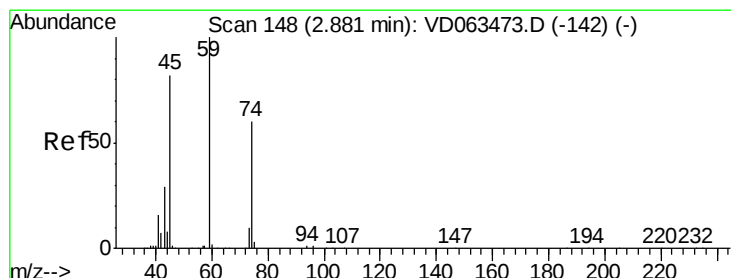
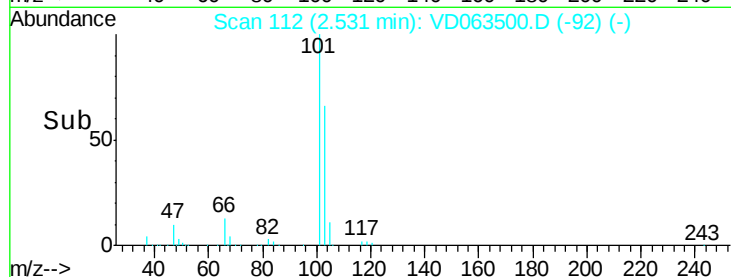
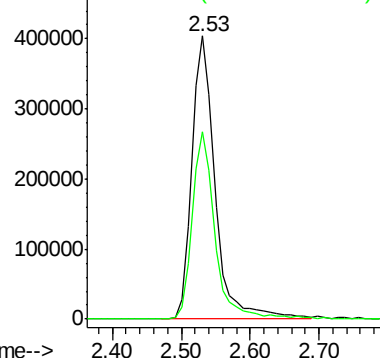
Trichlorofluoromethane
 Concen: 54.661 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 944799
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.2 78.4



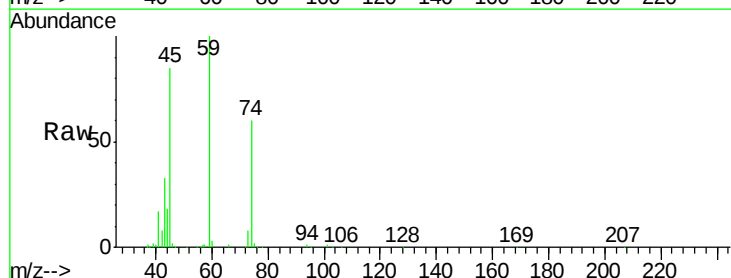
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



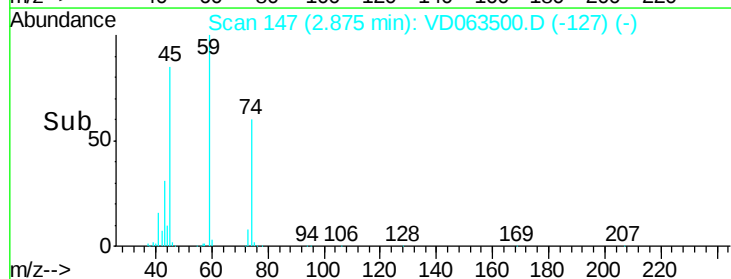
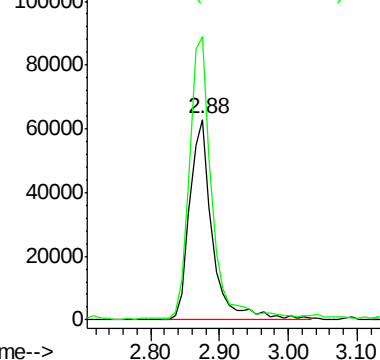
#8

Diethyl Ether
 Concen: 58.926 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 74 Resp: 143805
 Ion Ratio Lower Upper
 74 100
 45 141.3 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.115 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

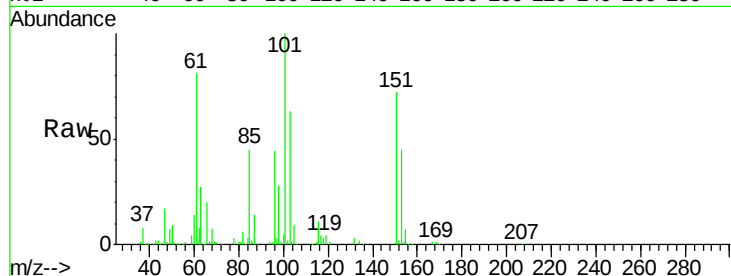
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Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

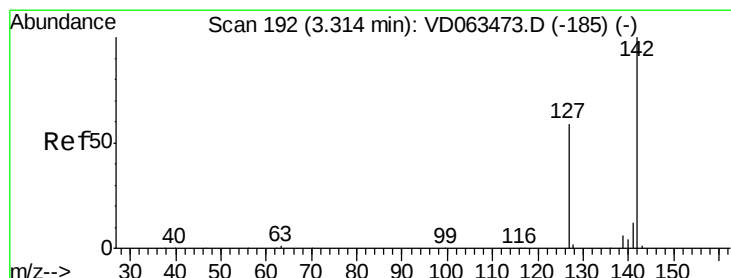
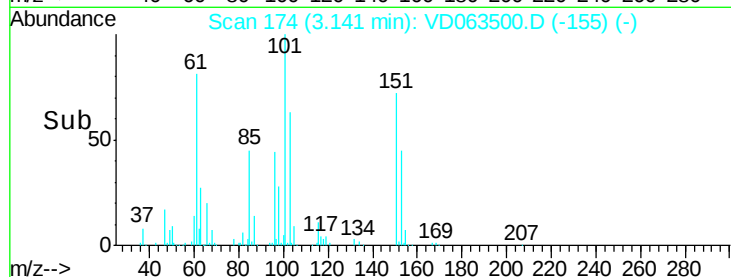
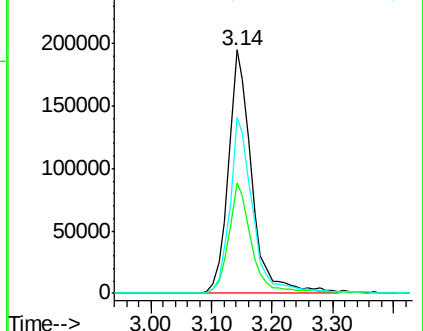
151 72.3 58.6 88.0



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: 55.662 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

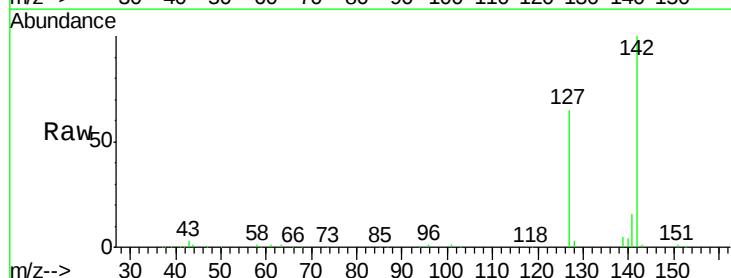
Tgt Ion:142 Resp: 803810

Ion Ratio Lower Upper

142 100

127 65.3 47.2 70.8

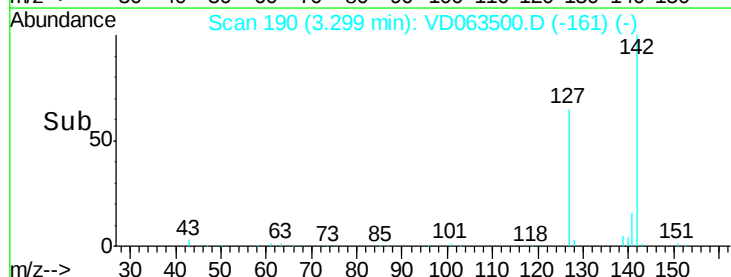
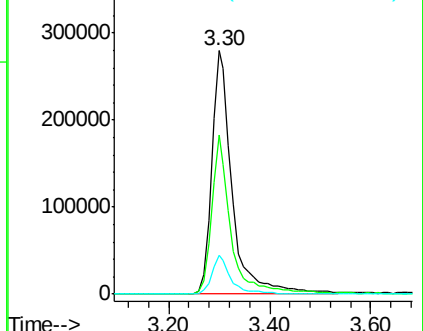
141 16.2 9.8 14.8#

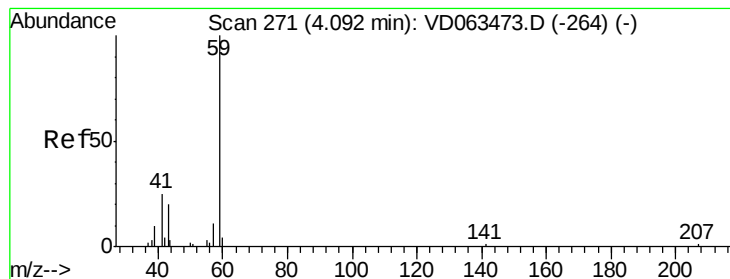


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 295.023 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

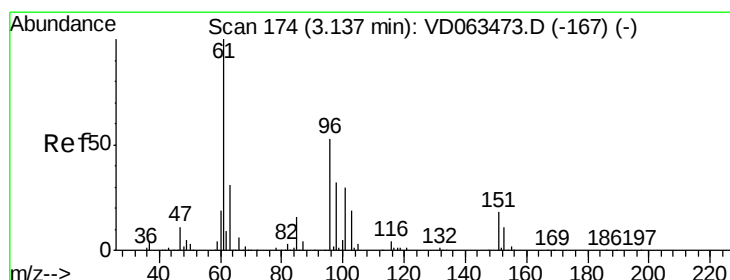
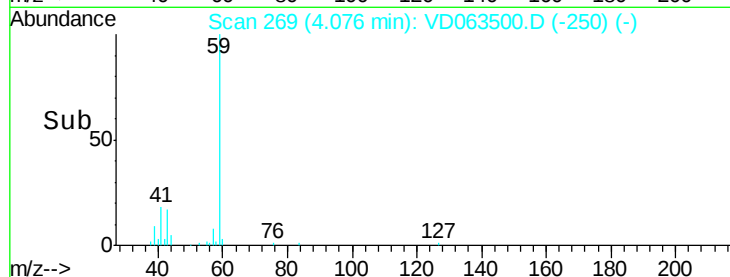
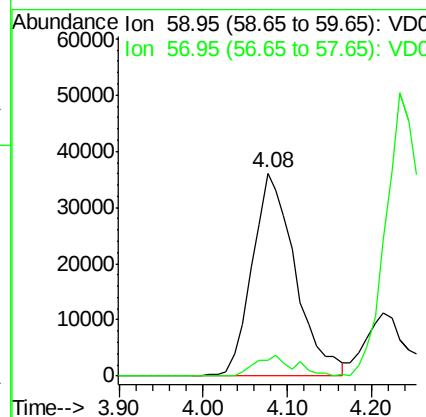
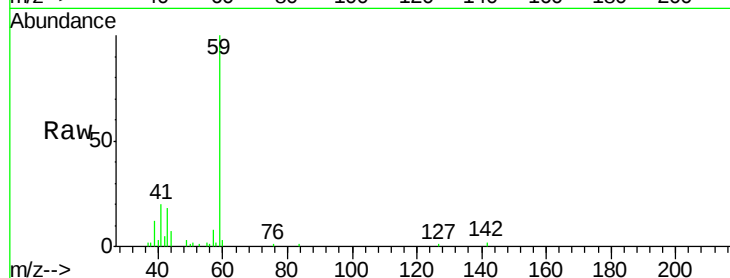
VSTDCCC050EC

Tot Ion: 59 Resp: 128919

Ion Ratio Lower Upper

59 100

57 7.5 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 46.605 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

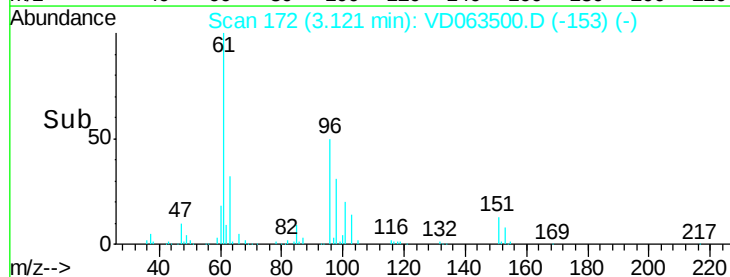
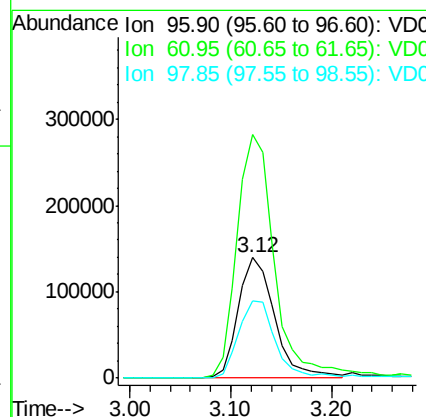
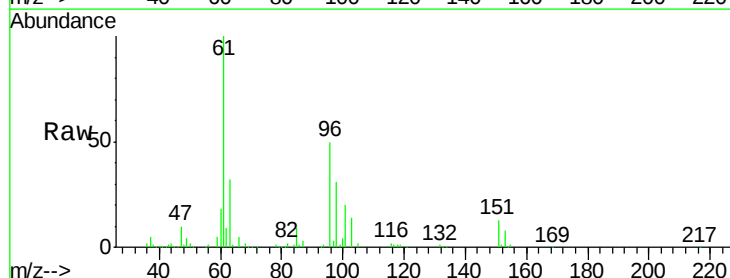
Tgt Ion: 96 Resp: 353644

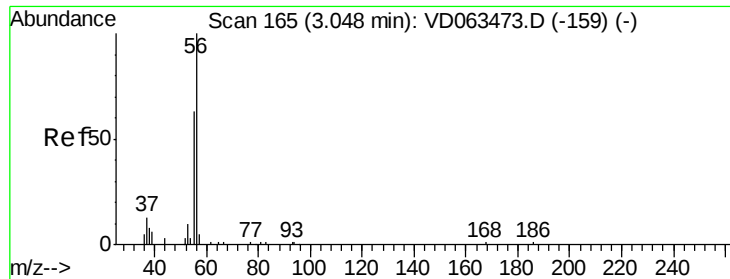
Ion Ratio Lower Upper

96 100

61 202.0 151.7 227.5

98 63.6 48.4 72.6

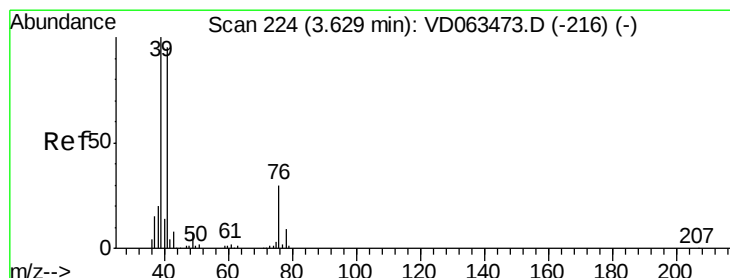
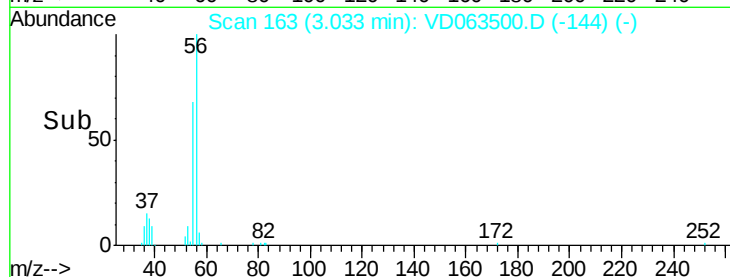
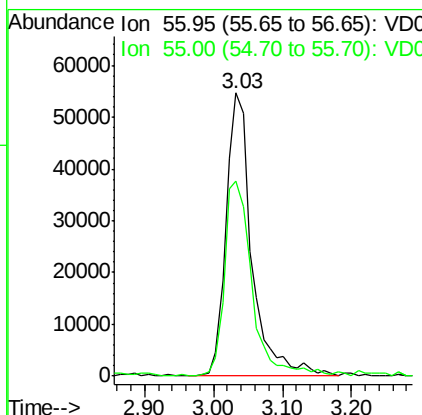
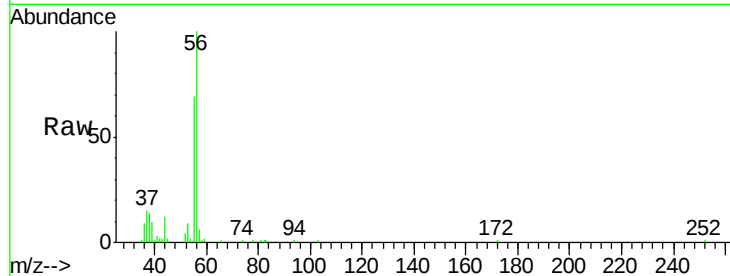




#13
Acrolein
Concen: 329.593 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

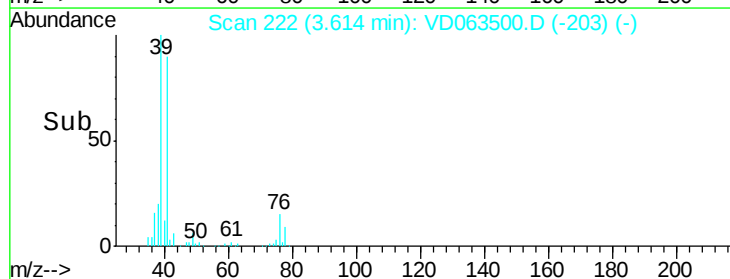
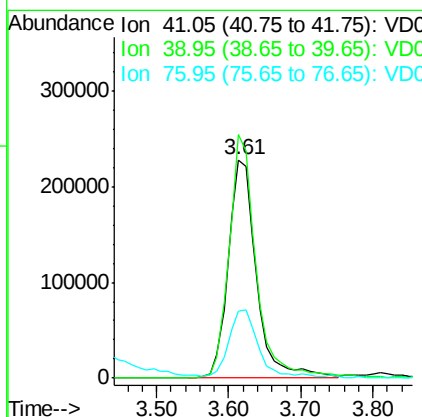
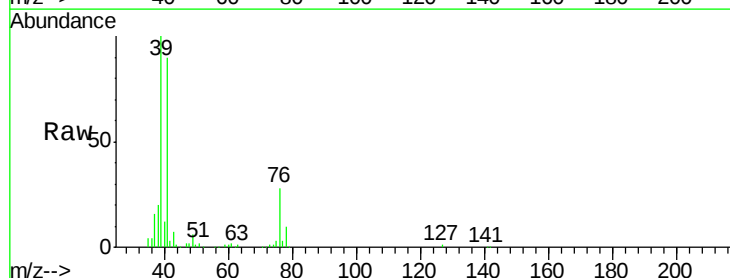
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

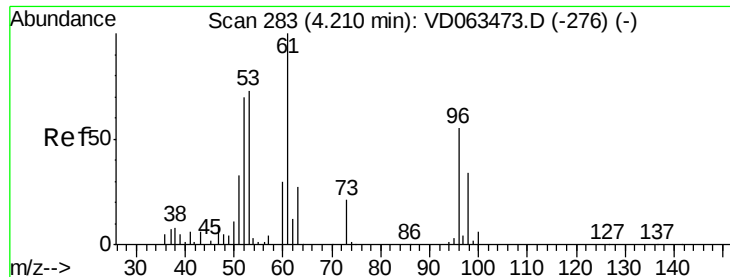
Tot Ion: 56 Resp: 141766
Ion Ratio Lower Upper
56 100
55 69.1 51.3 76.9



#14
Allyl chloride
Concen: 54.669 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 41 Resp: 623622
Ion Ratio Lower Upper
41 100
39 111.4 84.2 126.4
76 30.7 26.0 39.0





#15

Acrylonitrile

Concen: 265.052 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

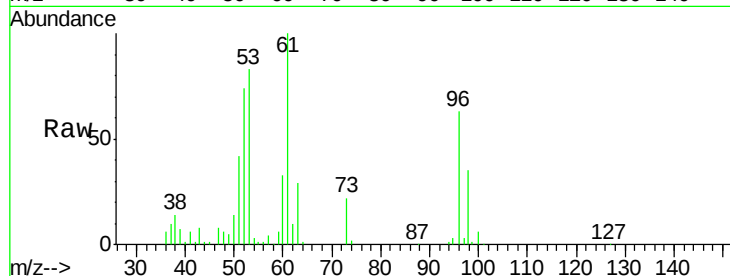
Tot Ion: 53 Resp: 306785

Ion Ratio Lower Upper

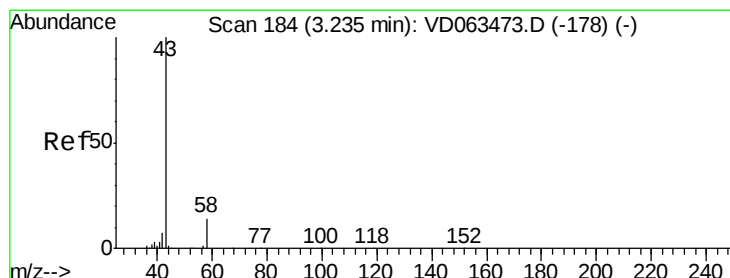
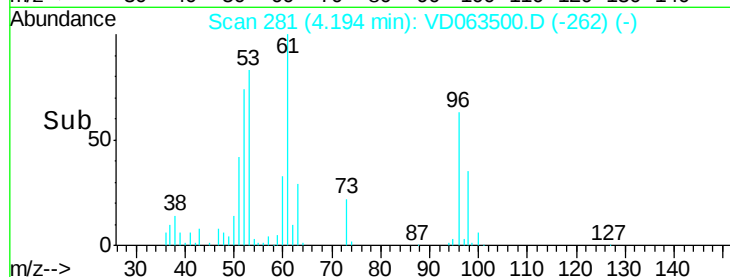
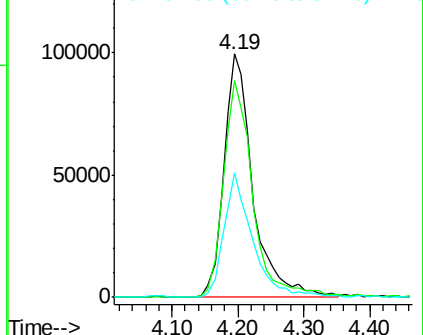
53 100

52 88.8 77.4 116.0

51 51.1 36.7 55.1



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



#16

Acetone

Concen: 245.392 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063500.D

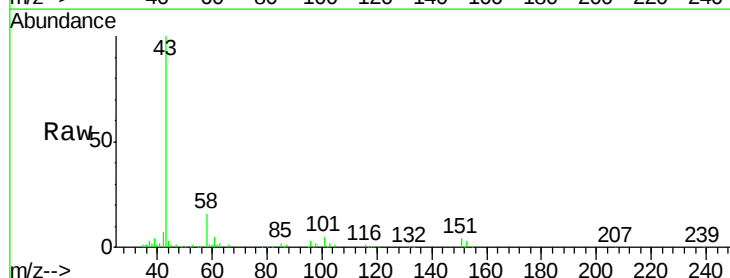
Acq: 12 Aug 2019 20:59

Tgt Ion: 43 Resp: 500735

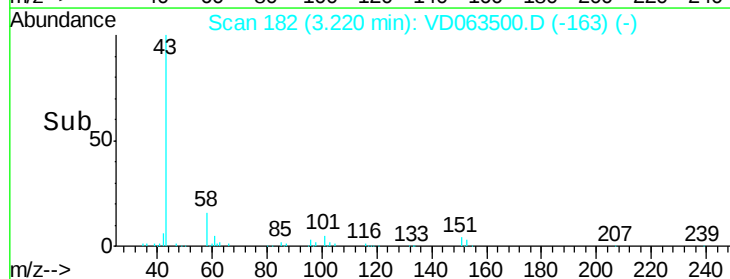
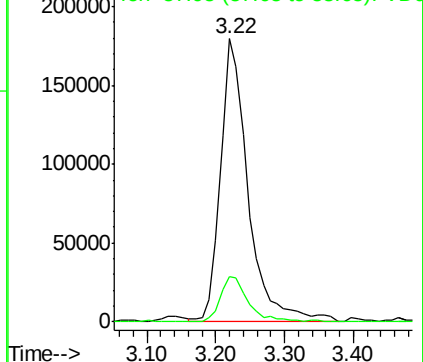
Ion Ratio Lower Upper

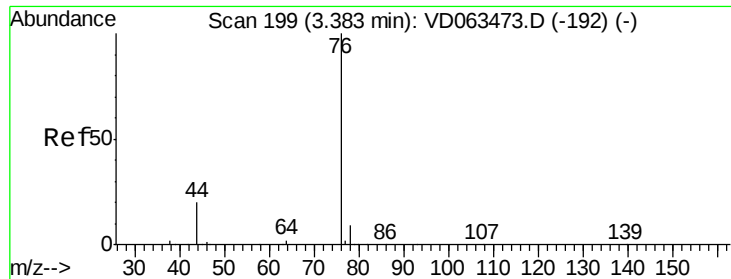
43 100

58 15.9 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

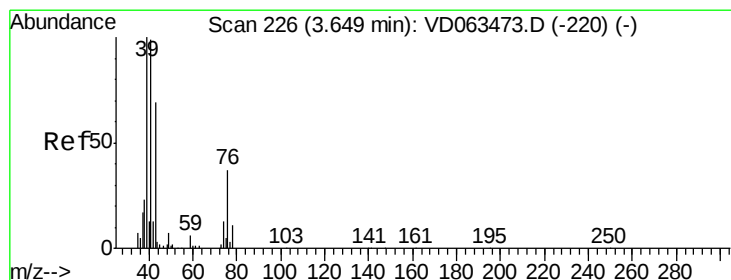
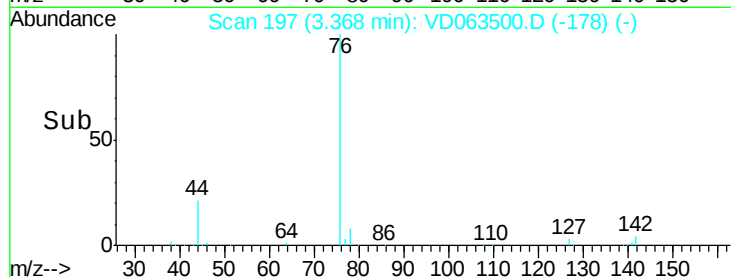
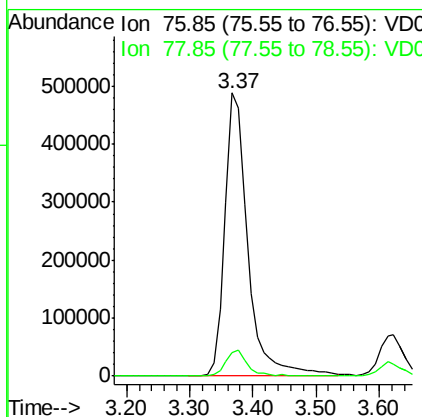
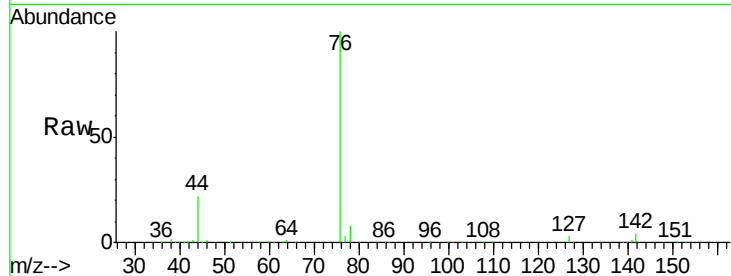




#17
Carbon Disulfide
Concen: 51.531 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

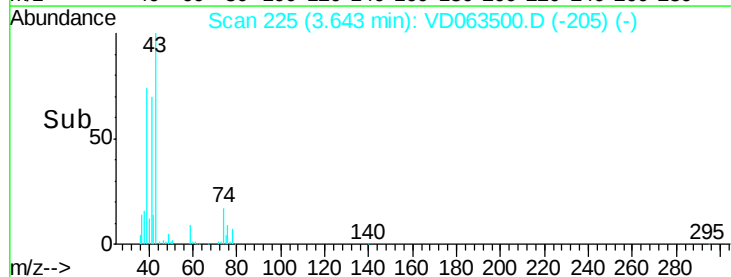
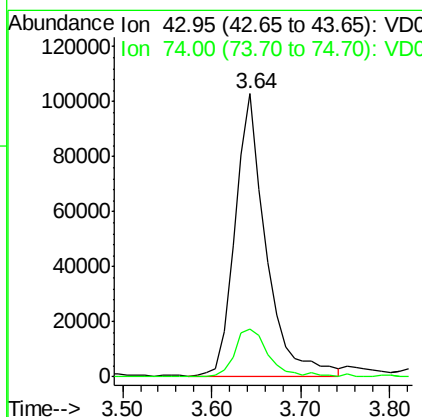
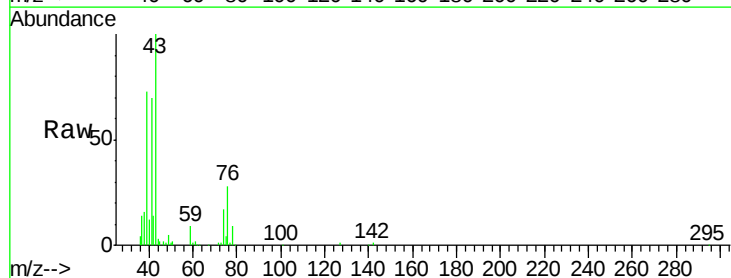
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

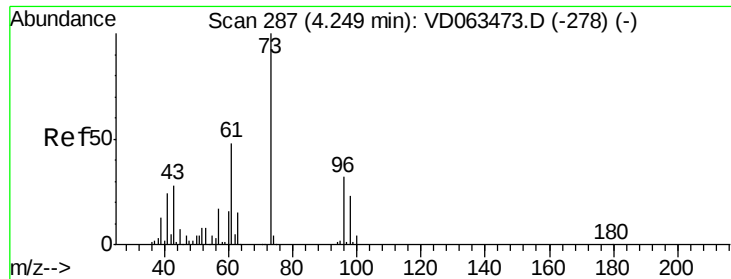
Tot Ion: 76 Resp: 1234102
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 65.075 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 43 Resp: 251521
Ion Ratio Lower Upper
43 100
74 17.1 15.4 23.2

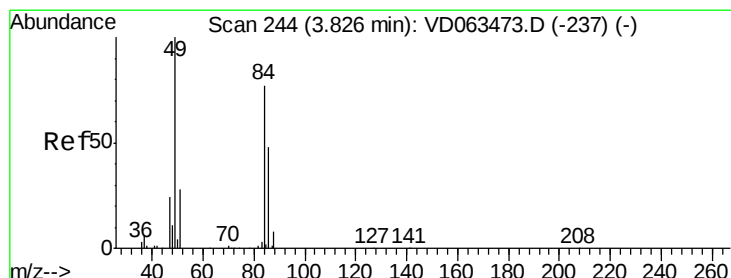
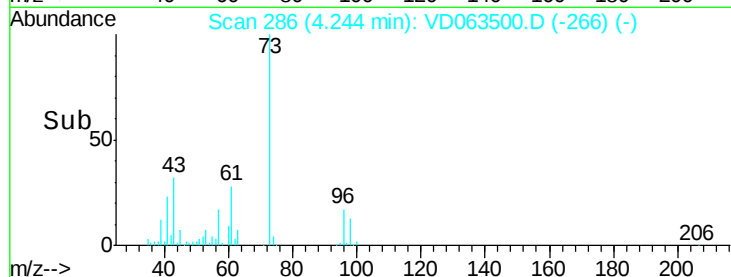
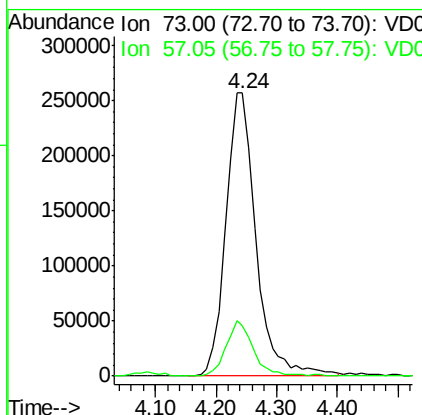
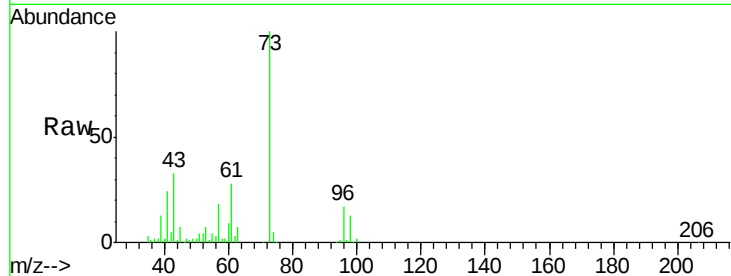




#19
Methvl tert-butvl Ether
Concen: 58.471 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

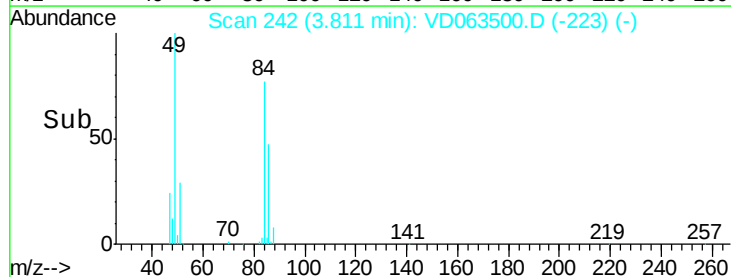
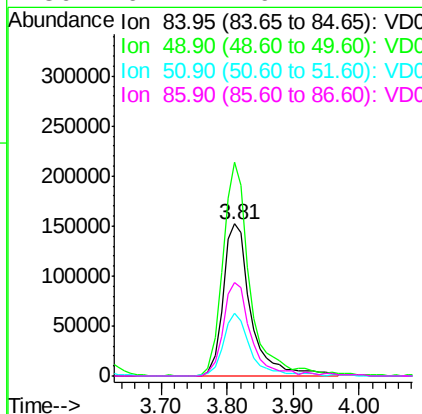
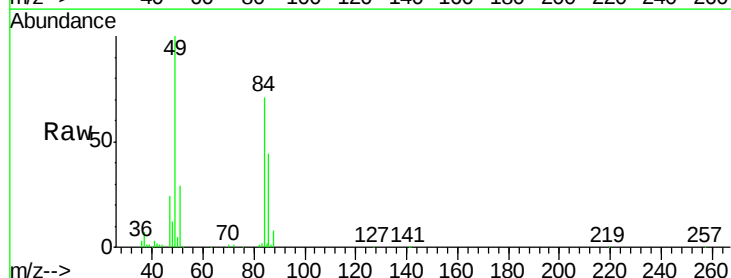
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

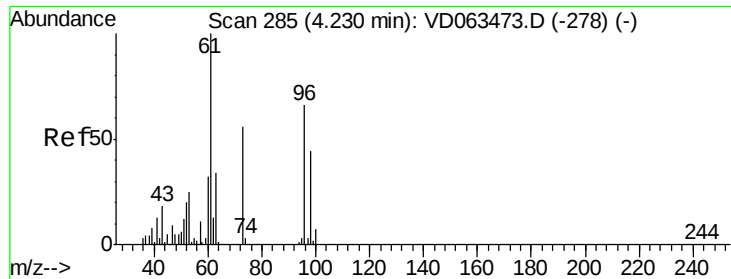
Tot Ion: 73 Resp: 887329
Ion Ratio Lower Upper
73 100
57 17.7 14.0 21.0



#20
Methylene Chloride
Concen: 50.569 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 84 Resp: 446197
Ion Ratio Lower Upper
84 100
49 140.2 103.4 155.2
51 40.9 28.5 42.7
86 61.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.714 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

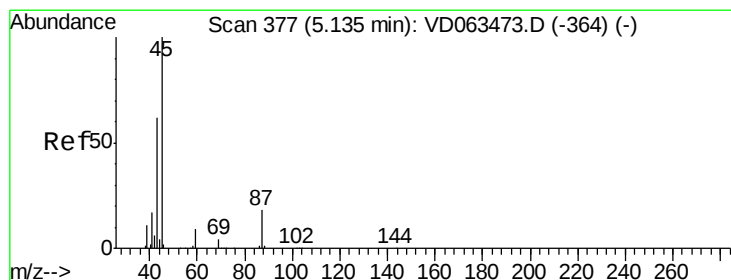
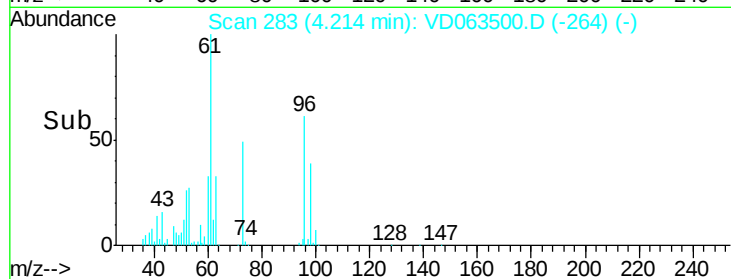
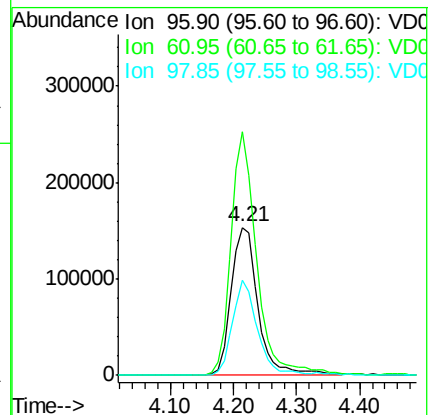
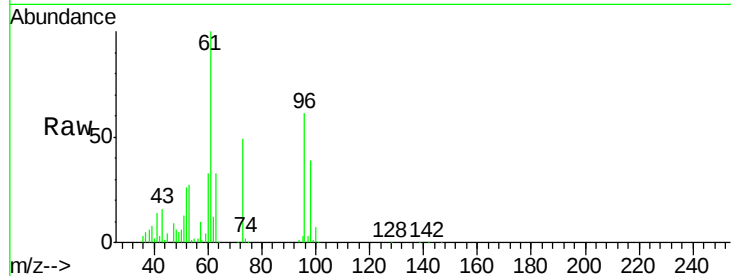
Tot Ion: 96 Resp: 452874

Ion Ratio Lower Upper

96 100

61 164.4 121.7 182.5

98 64.0 54.2 81.2



#22

Diisopropyl ether

Concen: 52.712 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Tgt Ion: 45 Resp: 1240808

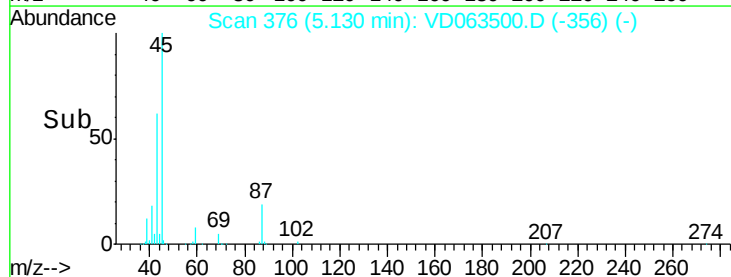
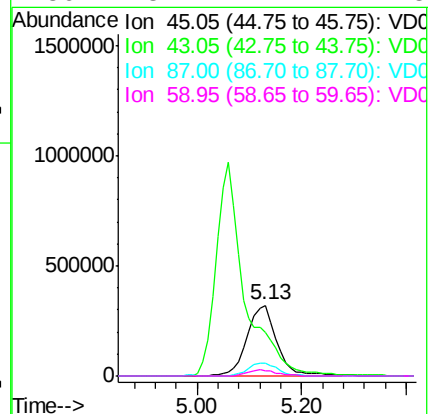
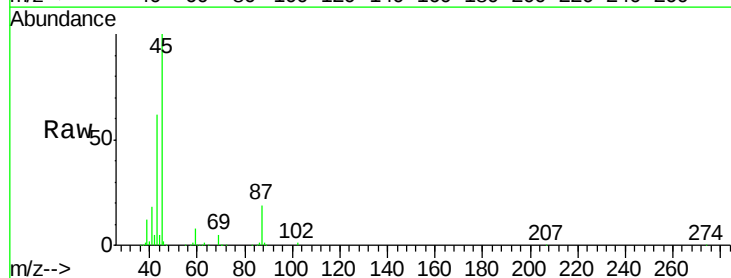
Ion Ratio Lower Upper

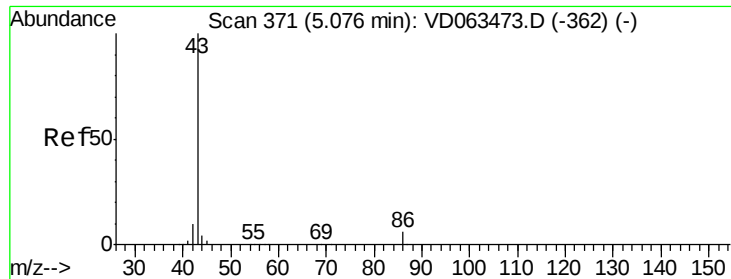
45 100

43 62.3 50.3 75.5

87 19.1 14.3 21.5

59 8.1 7.7 11.5

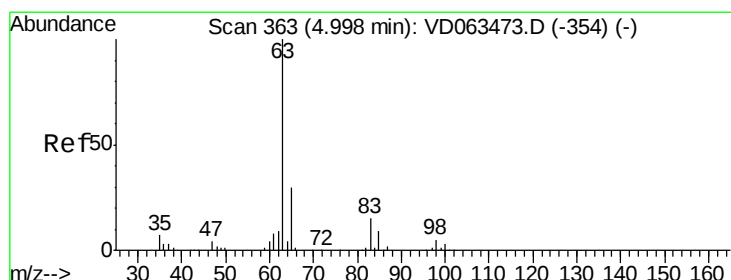
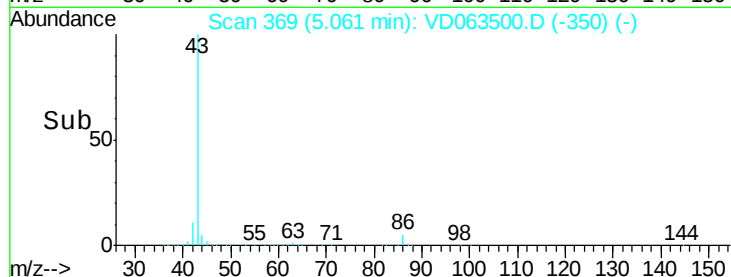
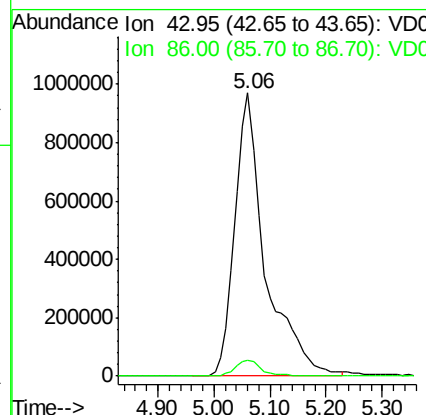
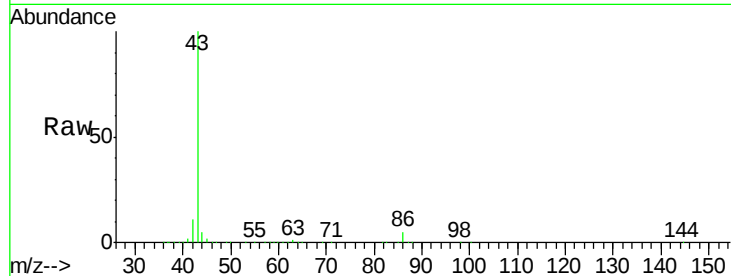




#23
 Vinyl Acetate
 Concen: 267.940 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

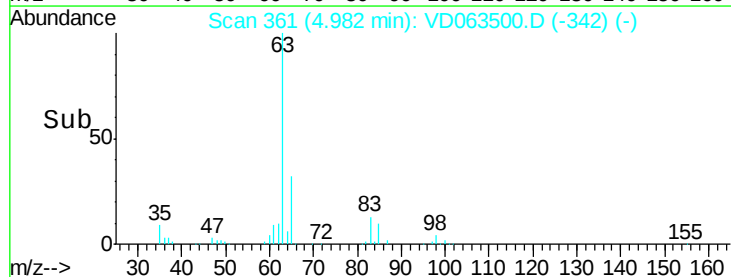
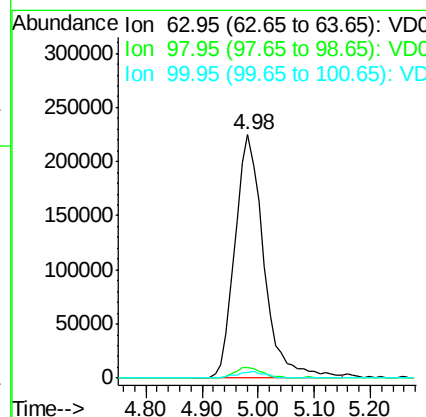
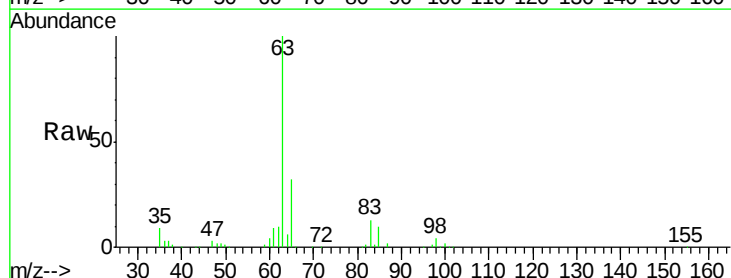
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3666653
 Ion Ratio Lower Upper
 43 100
 86 5.5 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 55.090 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 63 Resp: 804298
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.4 7.2
 100 2.5 1.3 3.8





#25

2-Butanone

Concen: 264.057 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

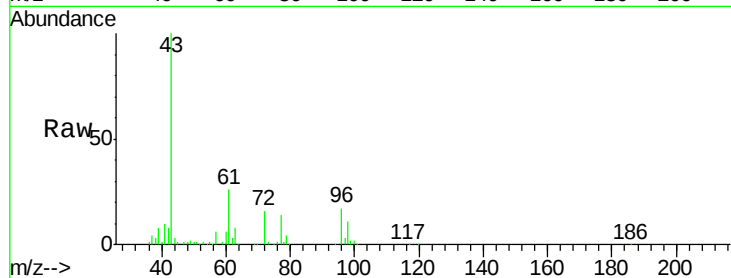
VSTDCCC050EC

Tot Ion: 43 Resp: 532159

Ion Ratio Lower Upper

43 100

72 15.5 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

200000

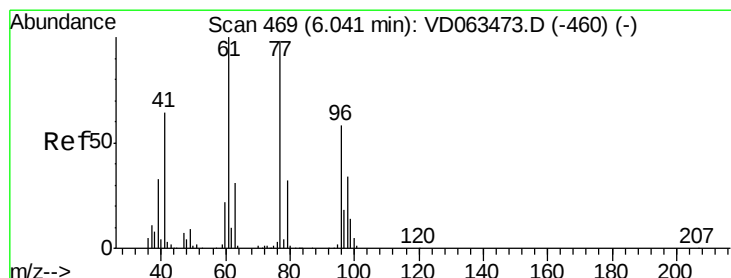
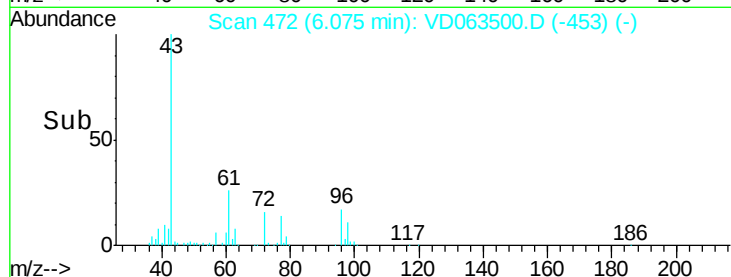
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 52.894 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063500.D

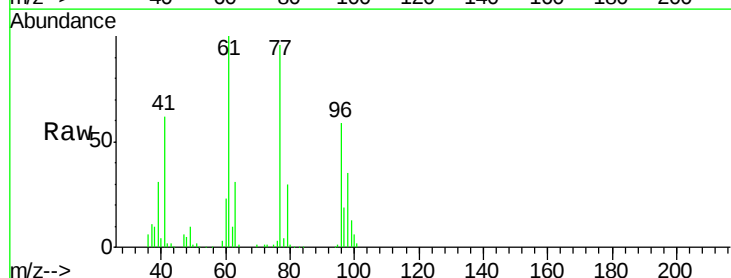
Acq: 12 Aug 2019 20:59

Tgt Ion: 77 Resp: 769171

Ion Ratio Lower Upper

77 100

97 20.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

200000

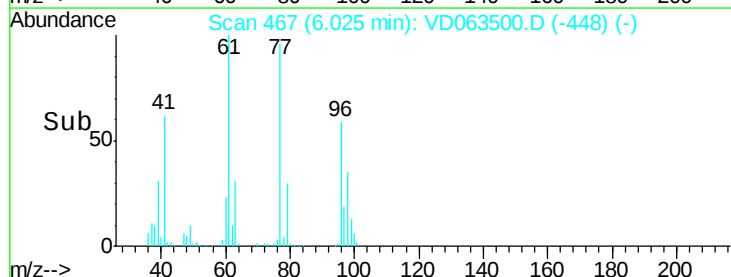
150000

100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20

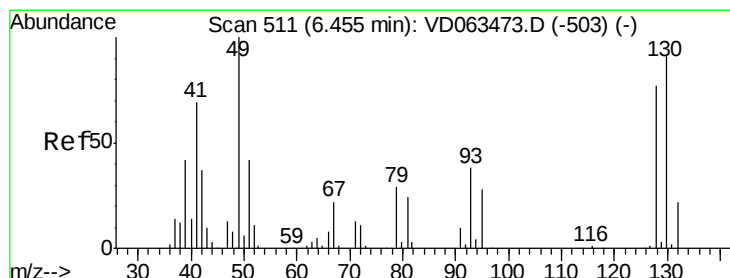
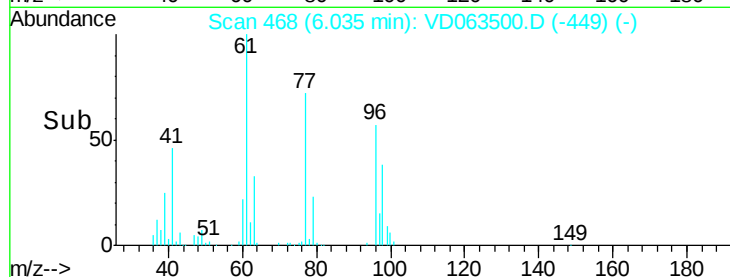
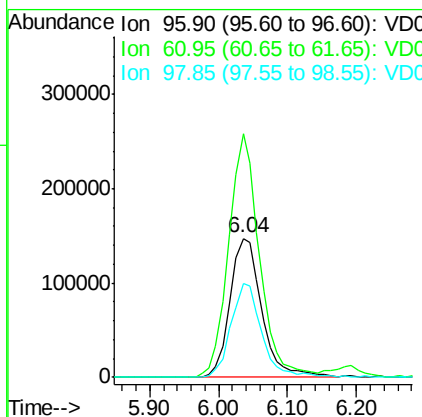
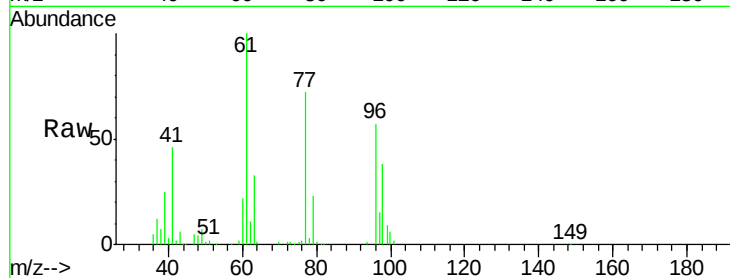




#27
 cis-1,2-Dichloroethene
 Concen: 53.932 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

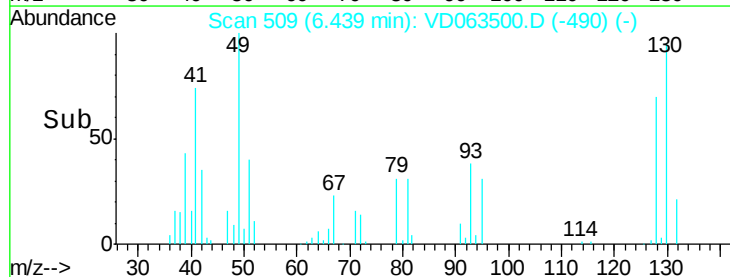
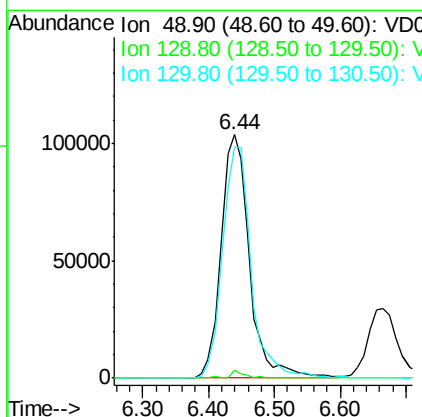
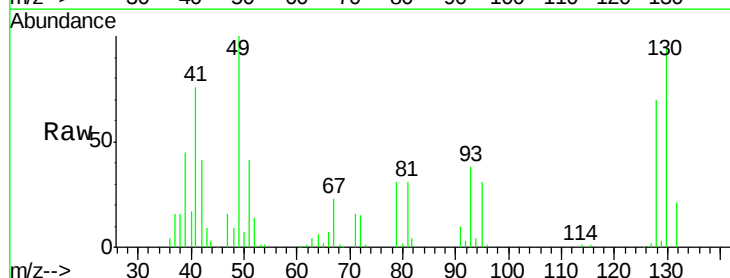
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

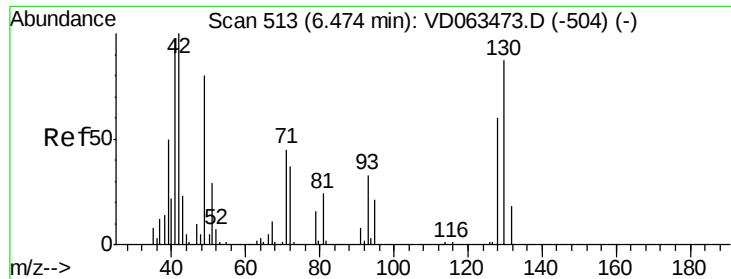
Tot Ion: 96 Resp: 471176
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 304.0
 98 67.5 0.0 124.8



#28
 Bromochloromethane
 Concen: 52.570 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 49 Resp: 311062
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 6.4
 130 95.0 72.4 108.6





#29

Tetrahydrofuran

Concen: 265.240 ug/l

RT: 6.46 min Scan# 511

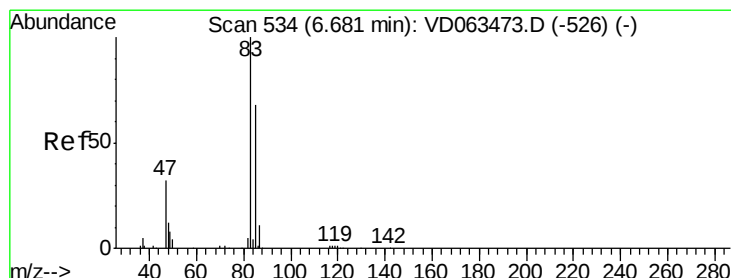
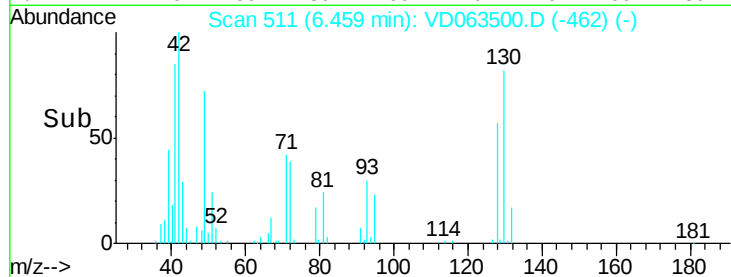
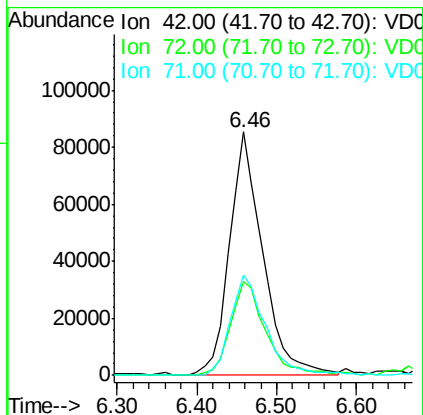
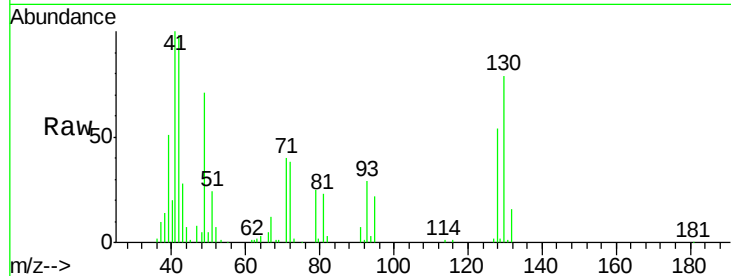
Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	249084
Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.5	47.3
71	43.4	33.8	50.8



#30

Chloroform

Concen: 56.297 ug/l

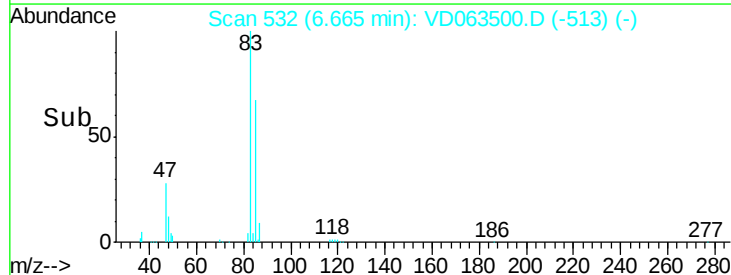
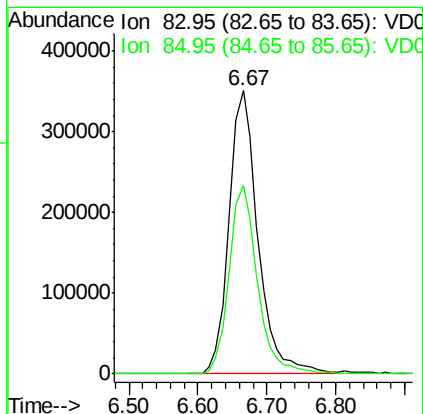
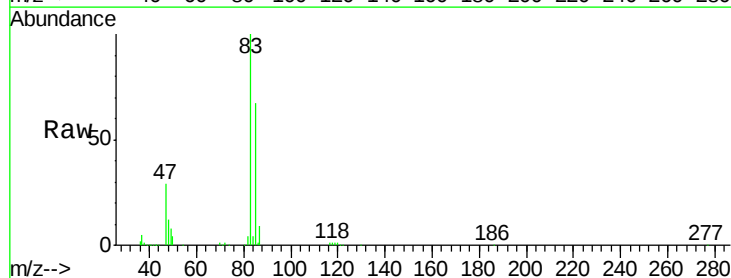
RT: 6.67 min Scan# 532

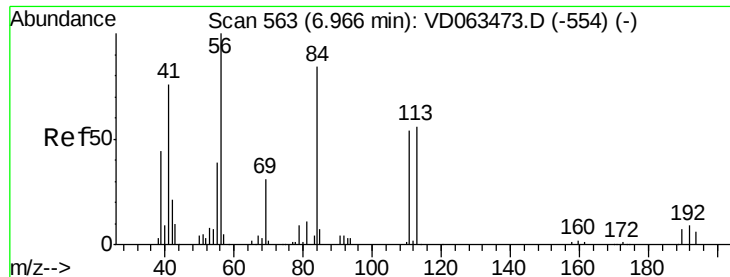
Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Tgt Ion:	83	Resp:	1021638
Ion	Ratio	Lower	Upper
83	100		
85	66.7	54.8	82.2

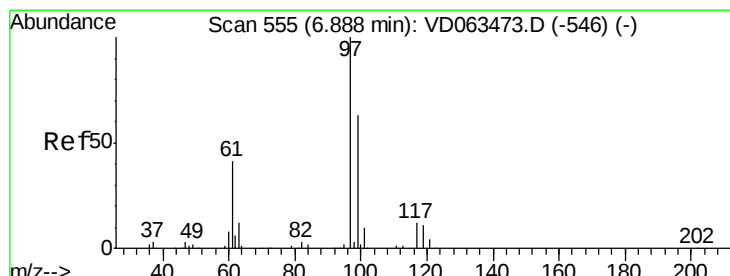
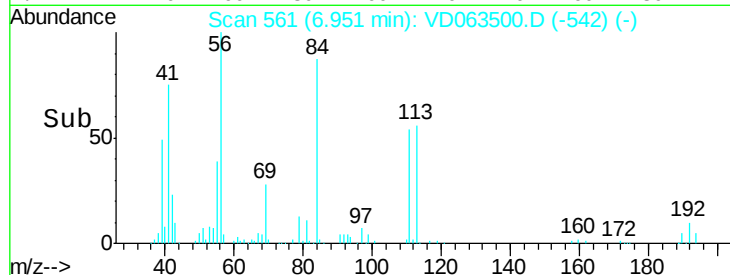
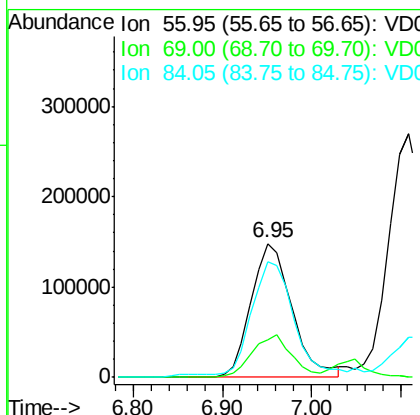
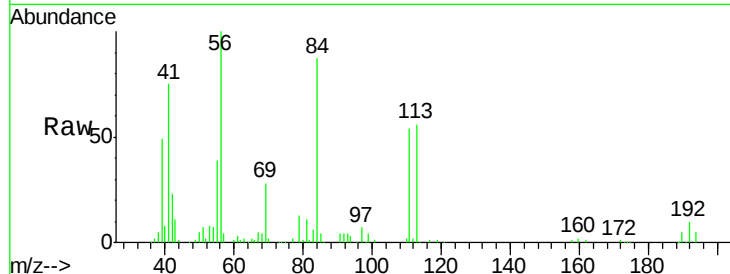




#31
Cyclohexane
Concen: 52.005 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

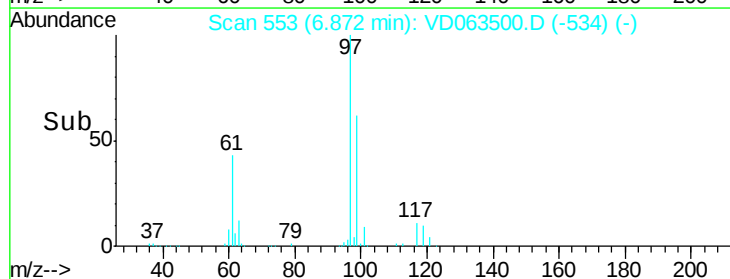
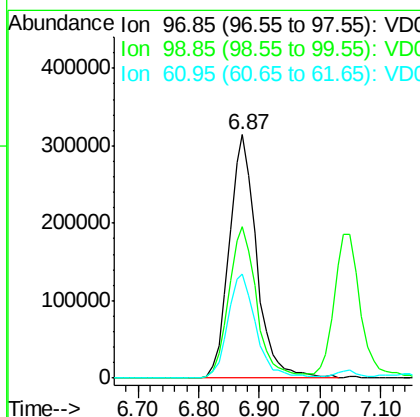
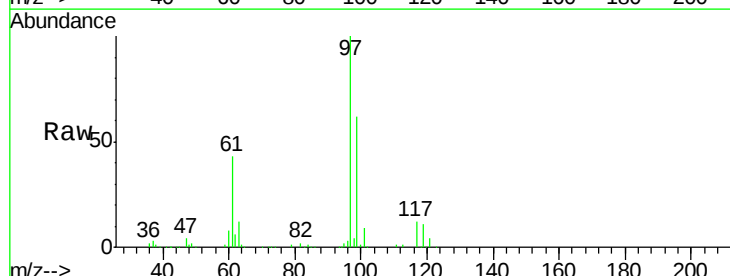
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

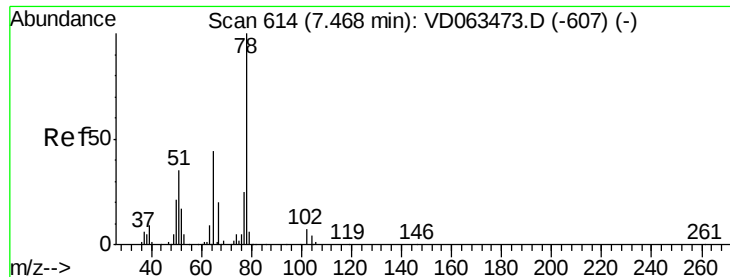
Tot Ion: 56 Resp: 471354
Ion Ratio Lower Upper
56 100
69 28.2 25.0 37.6
84 86.6 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 56.624 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 97 Resp: 982962
Ion Ratio Lower Upper
97 100
99 62.3 50.2 75.4
61 42.7 33.1 49.7

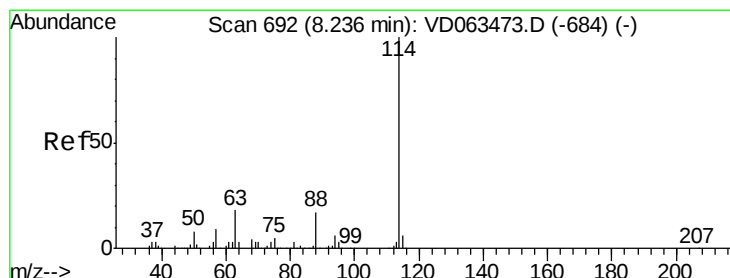
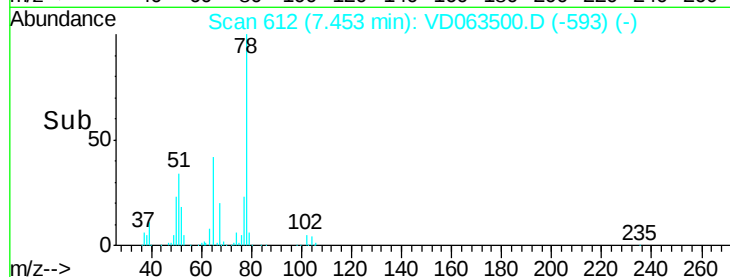
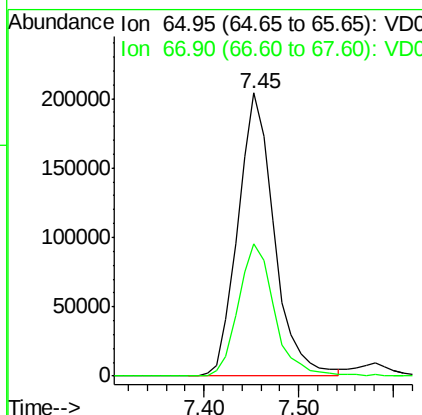
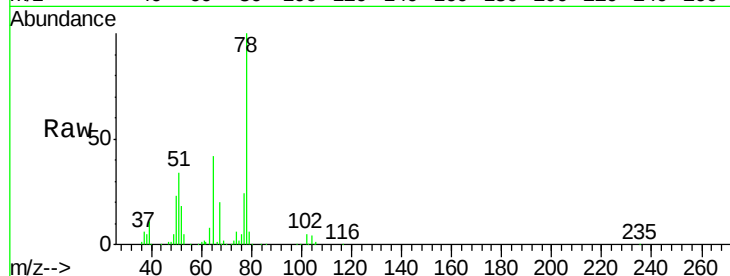




#33
 1,2-Dichloroethane-d4
 Concen: 53.891 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

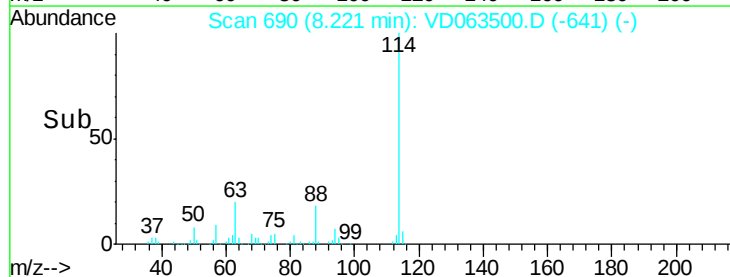
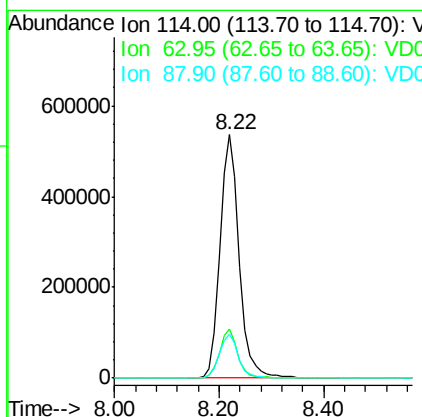
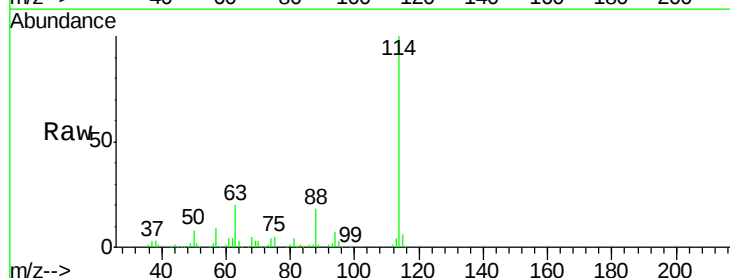
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

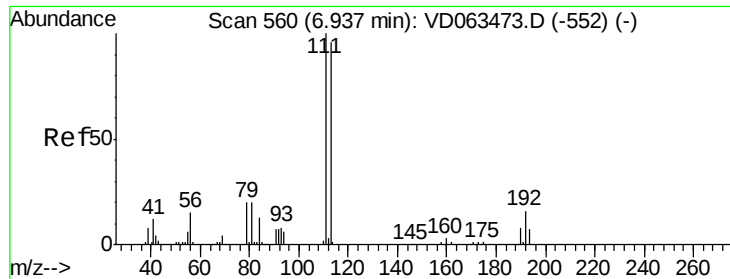
Tot Ion: 65 Resp: 540962
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 114 Resp: 1363767
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 36.2
 88 18.3 0.0 35.0





#35

Dibromofluoromethane

Concen: 52.938 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

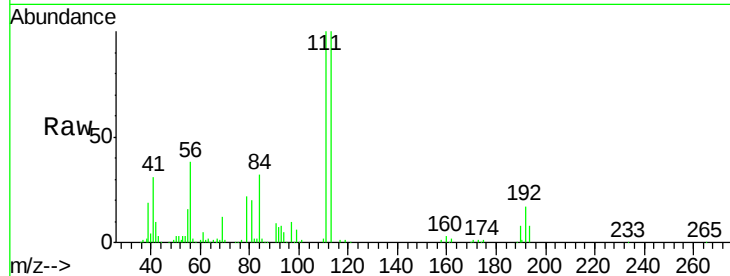
Tot Ion:113 Resp: 608037

Ion Ratio Lower Upper

113 100

111 100.5 83.1 124.7

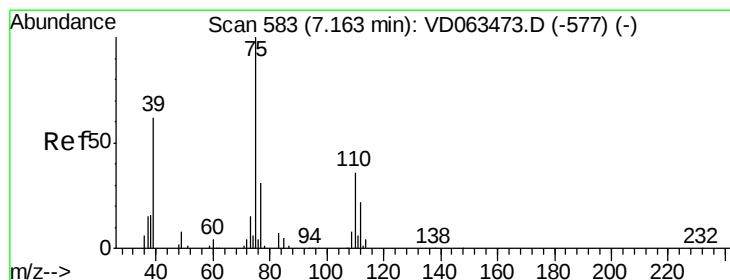
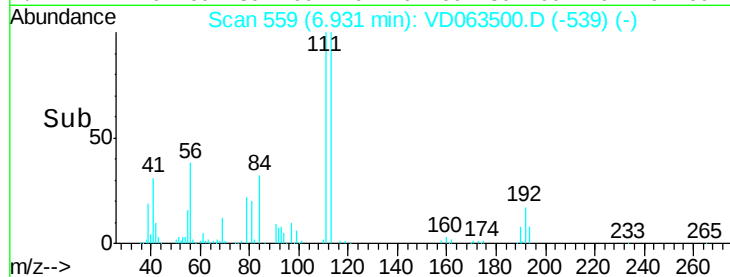
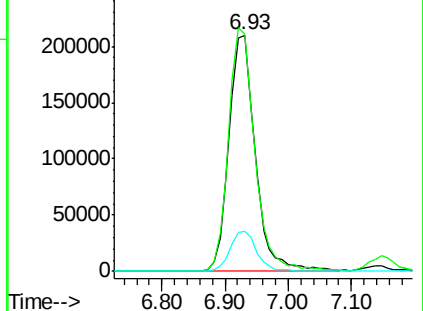
192 17.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.942 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

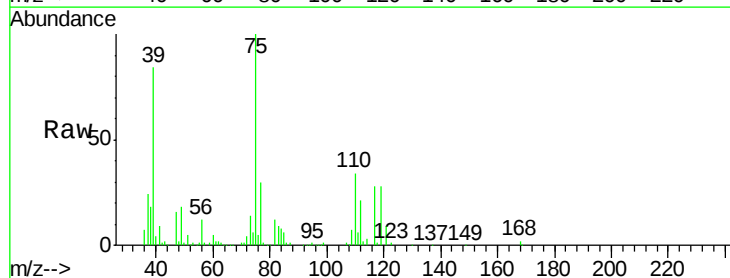
Tgt Ion: 75 Resp: 662380

Ion Ratio Lower Upper

75 100

110 33.8 17.6 52.8

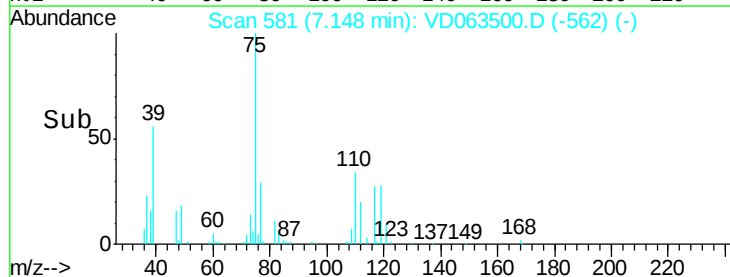
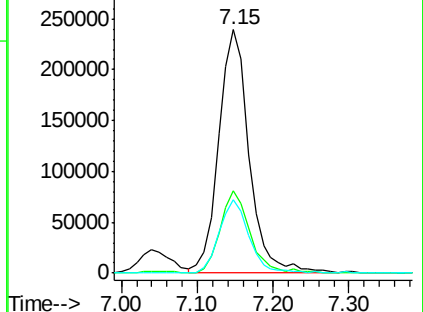
77 30.0 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

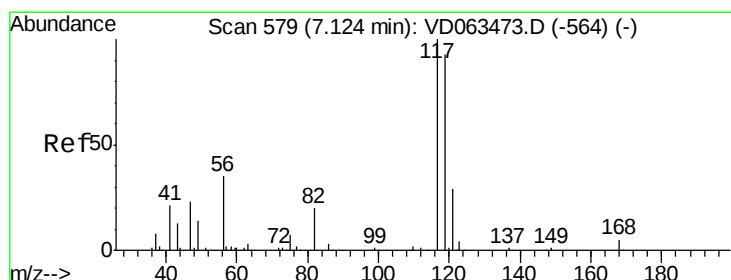
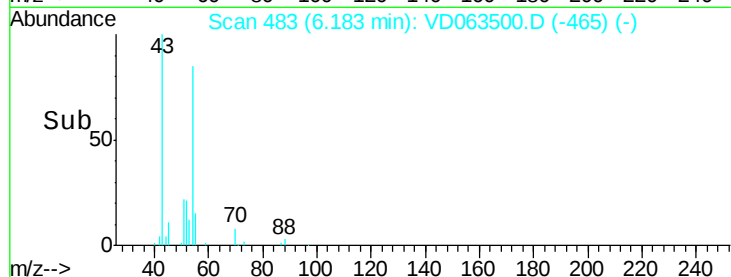
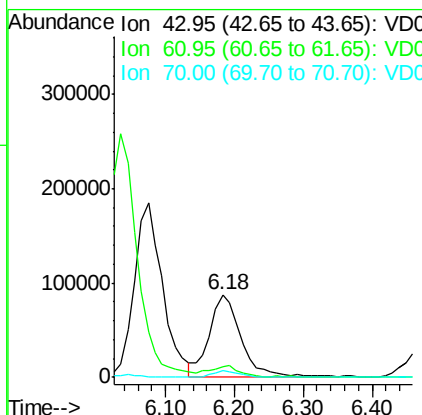
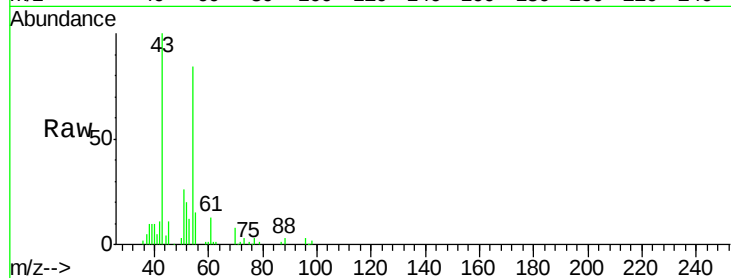




#37
Ethyl Acetate
Concen: 54.270 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

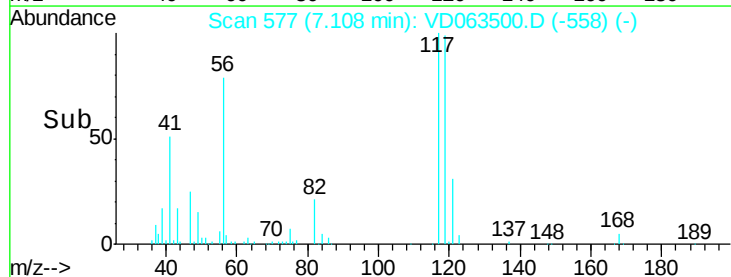
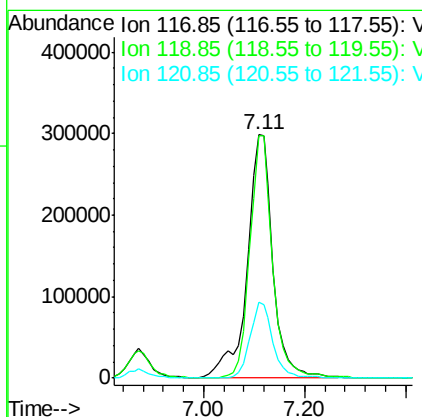
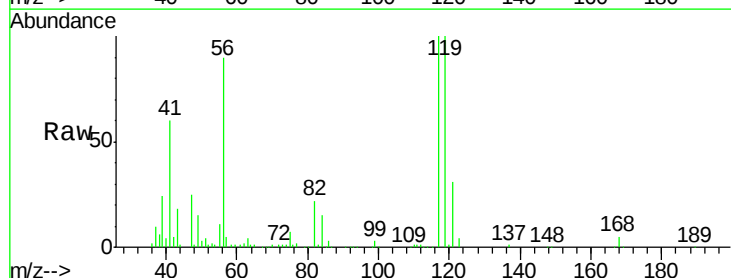
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

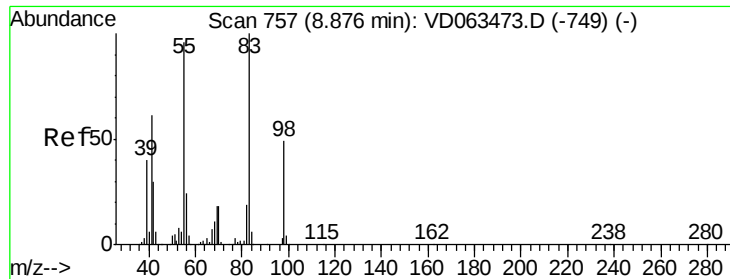
Tot Ion: 43 Resp: 274161
Ion Ratio Lower Upper
43 100
61 12.9 9.0 13.6
70 8.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 58.122 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 117 Resp: 1056075
Ion Ratio Lower Upper
117 100
119 99.5 74.2 111.2
121 31.4 23.1 34.7

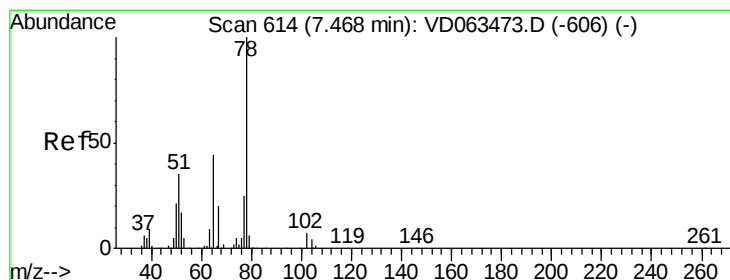
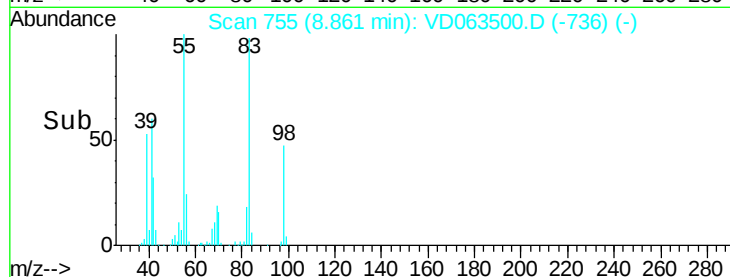
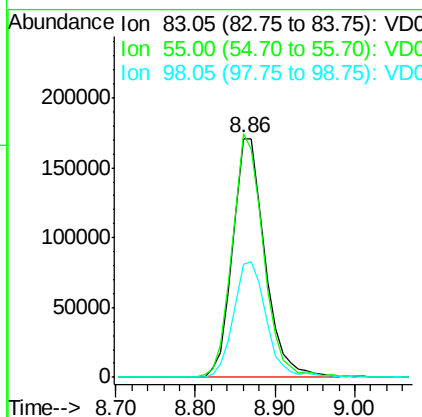
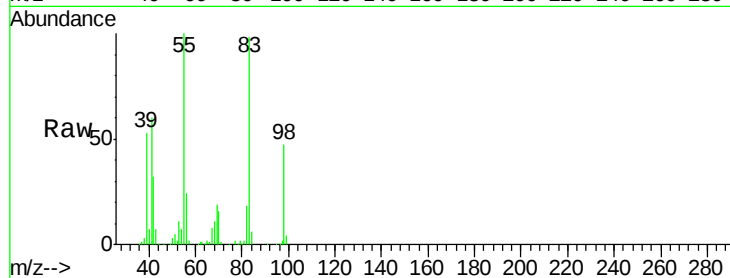




#39
Methvlcvclohexane
Concen: 47.162 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

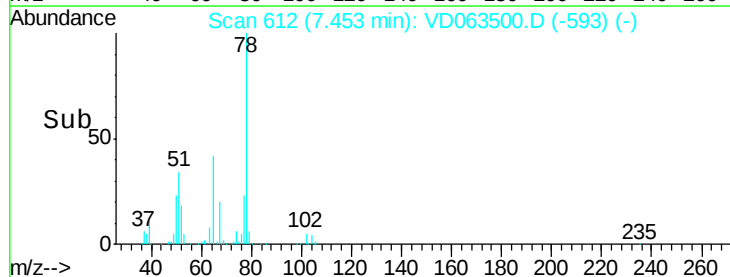
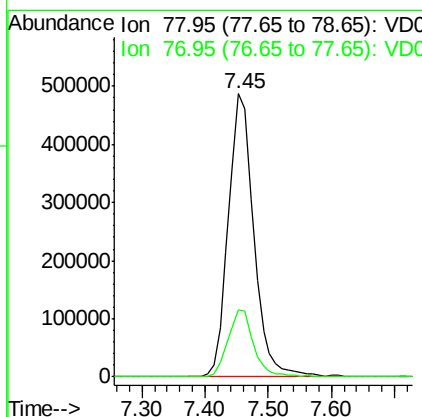
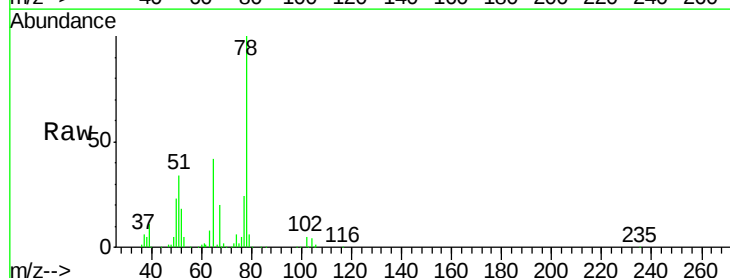
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

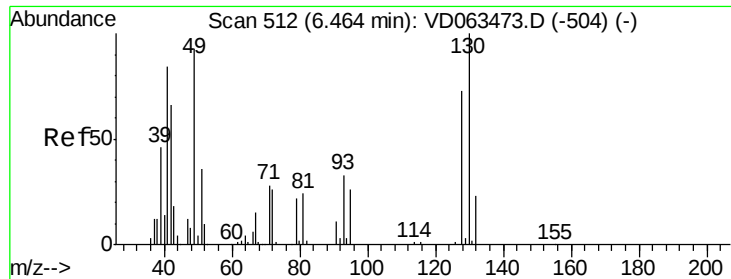
Tot Ion: 83 Resp: 483484
Ion Ratio Lower Upper
83 100
55 102.0 76.6 114.8
98 47.5 39.4 59.0



#40
Benzene
Concen: 51.460 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 78 Resp: 1365277
Ion Ratio Lower Upper
78 100
77 23.6 20.1 30.1

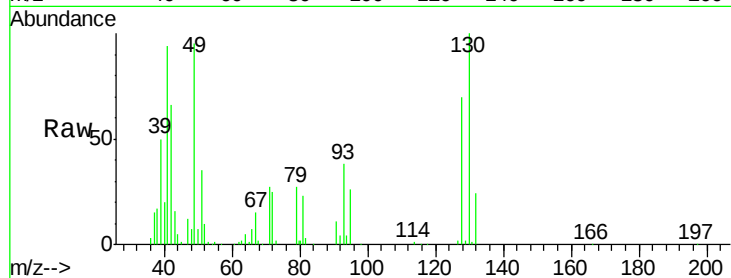




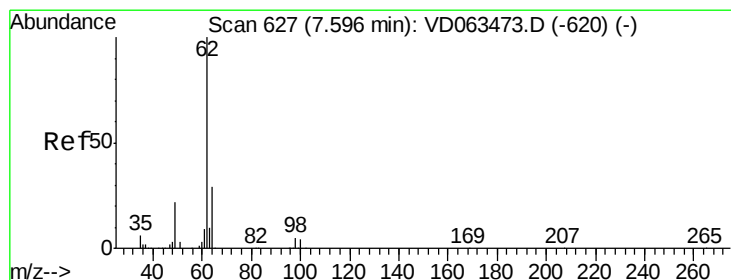
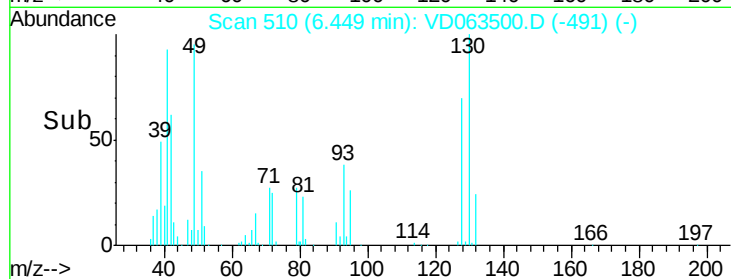
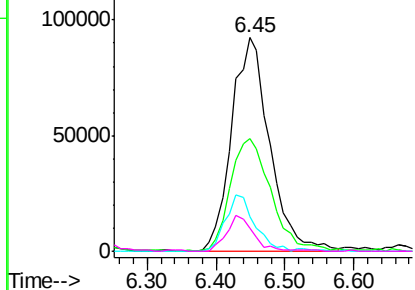
#41
Methacrylonitrile
Concen: 55.634 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	353878
Ion	Ratio	Lower	Upper
41	100		
39	53.0	44.6	66.8
67	16.0	14.4	21.6
52	10.8	9.3	13.9

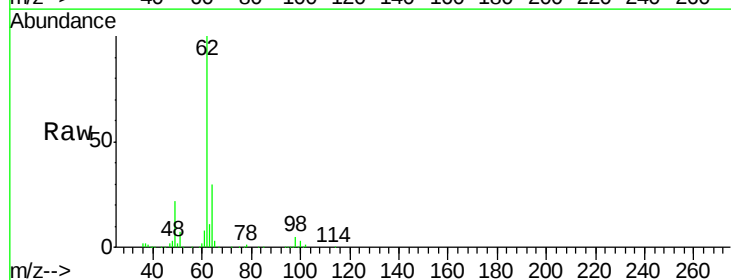


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

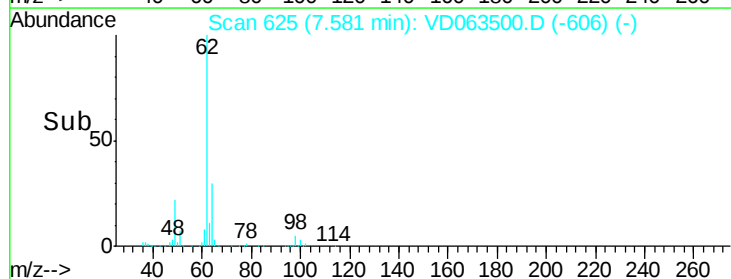
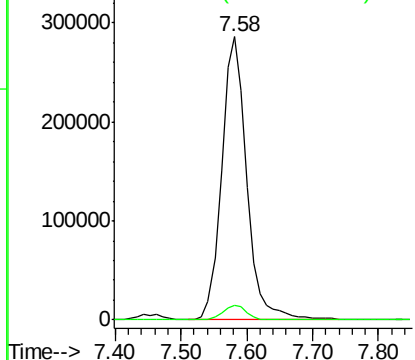


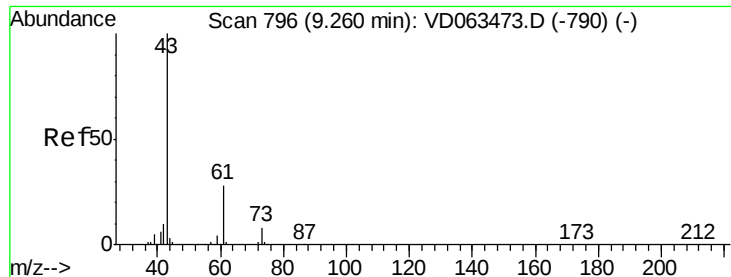
#42
1,2-Dichloroethane
Concen: 57.045 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion:	62	Resp:	761010
Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.233 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

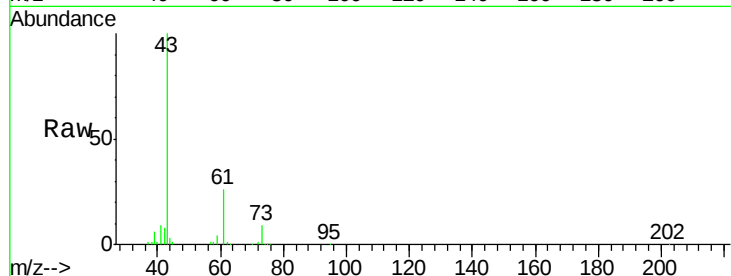
Tot Ion: 43 Resp: 353412

Ion Ratio Lower Upper

43 100

61 25.7 22.2 33.2

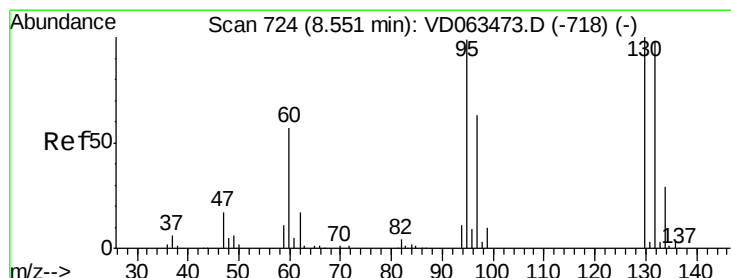
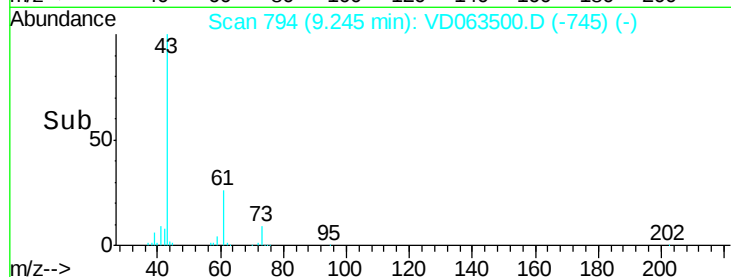
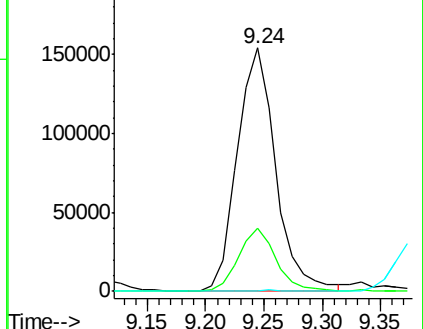
87 0.0 0.2 0.4#



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: 53.045 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063500.D

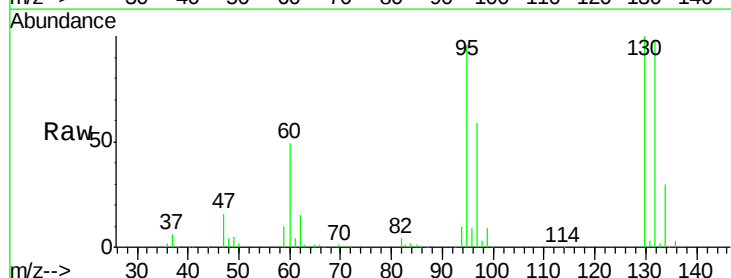
Acq: 12 Aug 2019 20:59

Tgt Ion: 130 Resp: 537913

Ion Ratio Lower Upper

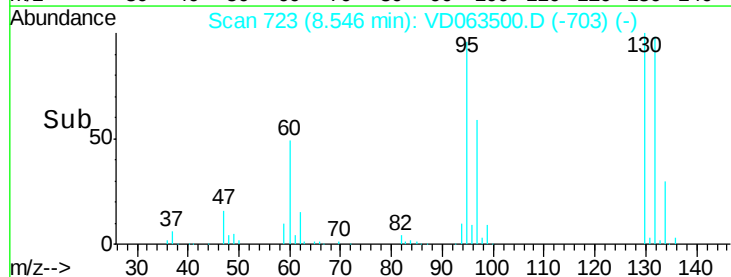
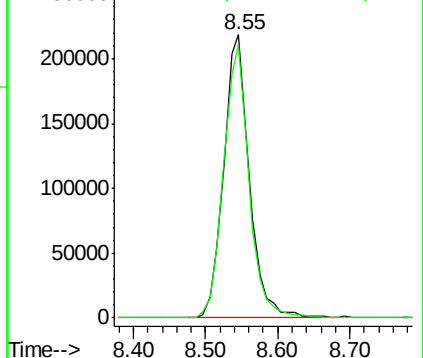
130 100

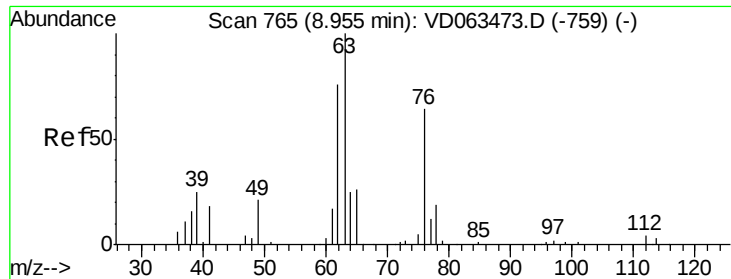
95 96.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.659 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

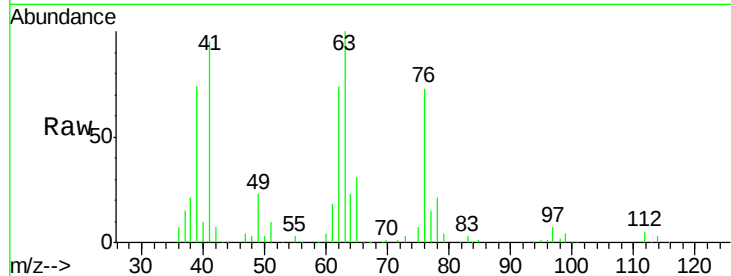
VSTDCCC050EC

Tot Ion: 63 Resp: 343888

Ion Ratio Lower Upper

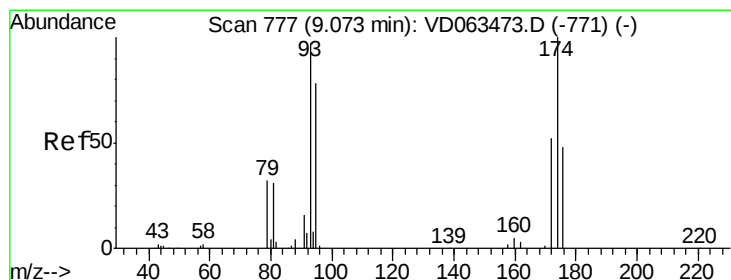
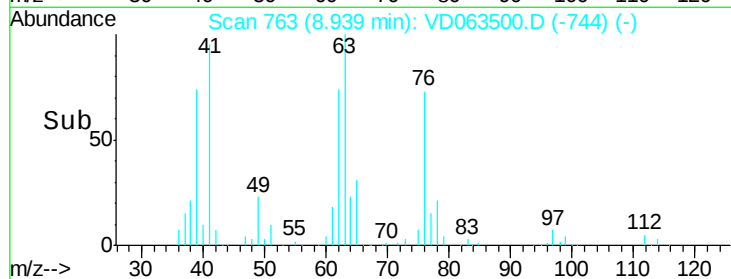
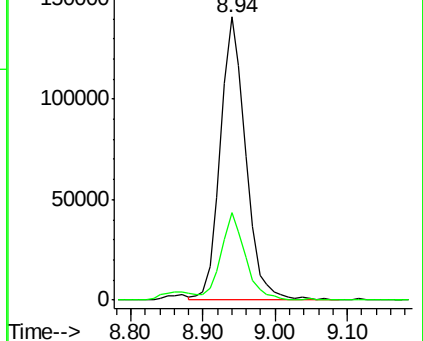
63 100

65 30.7 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.430 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

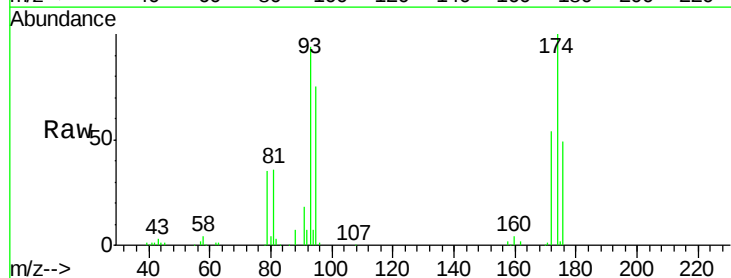
Tgt Ion: 93 Resp: 292464

Ion Ratio Lower Upper

93 100

95 80.4 64.2 96.2

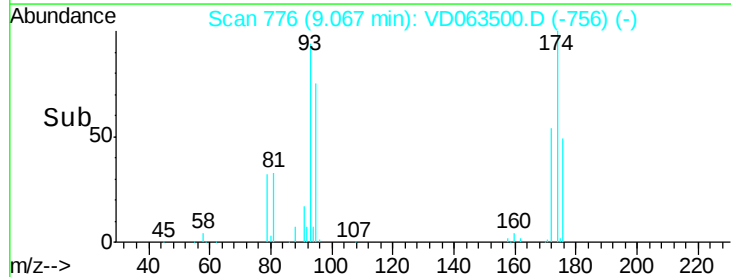
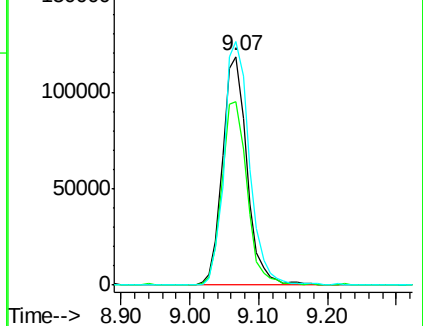
174 106.6 82.1 123.1

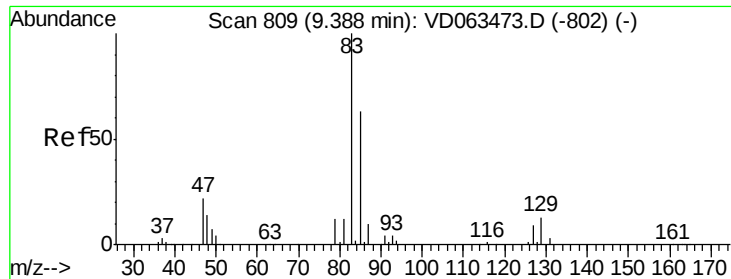


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.321 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

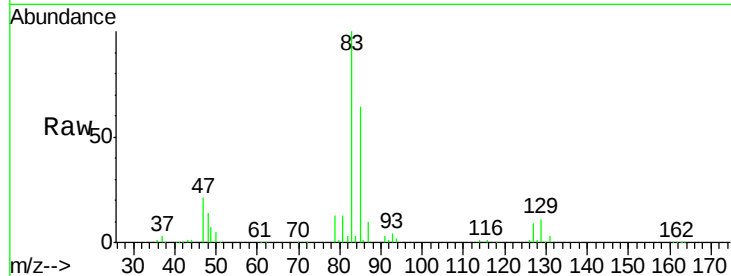
Tot Ion: 83 Resp: 775793

Ion Ratio Lower Upper

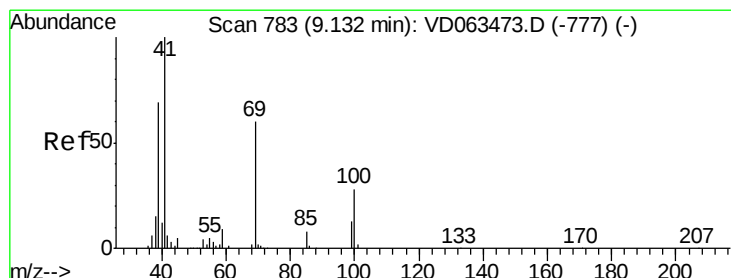
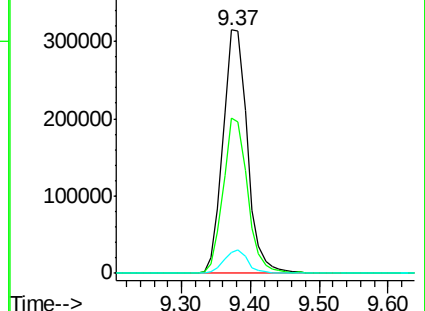
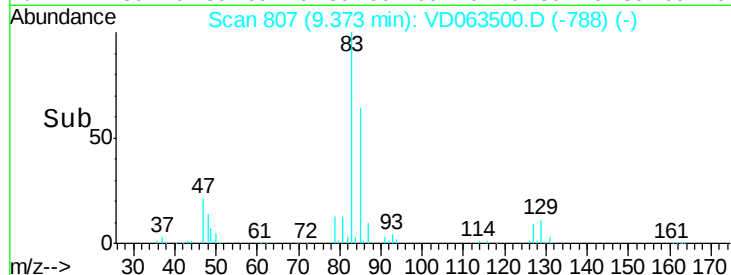
83 100

85 64.0 50.1 75.1

127 8.8 7.6 11.4



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): V



#48

Methyl methacrylate

Concen: 52.975 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

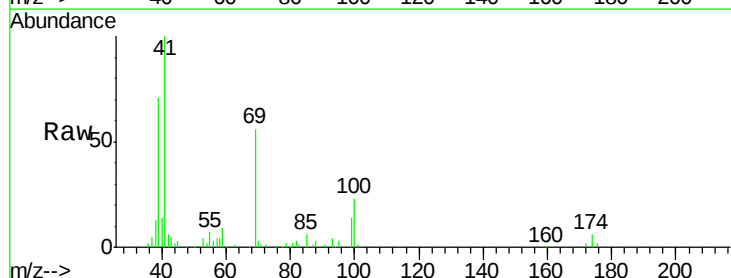
Tgt Ion: 41 Resp: 243079

Ion Ratio Lower Upper

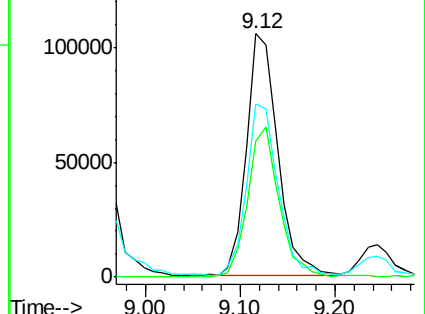
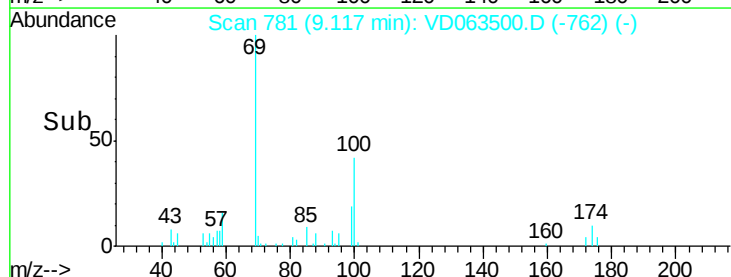
41 100

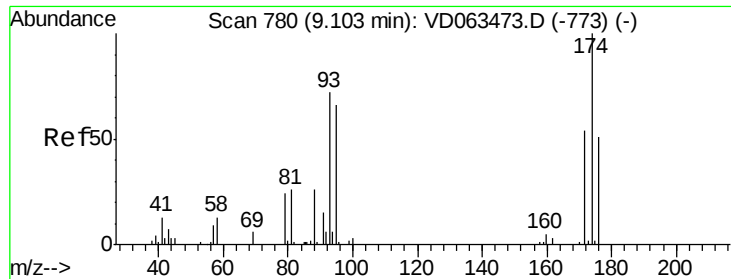
69 55.8 47.6 71.4

39 71.2 55.7 83.5



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

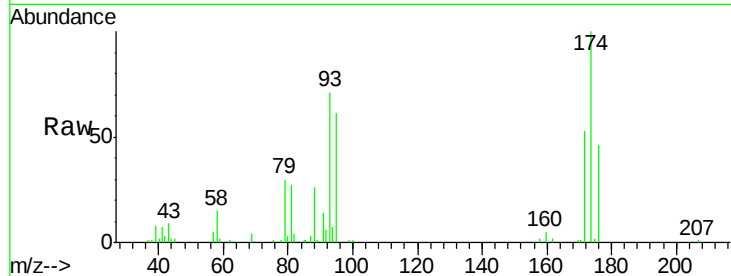




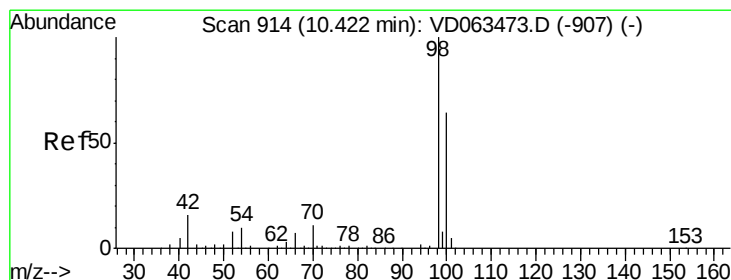
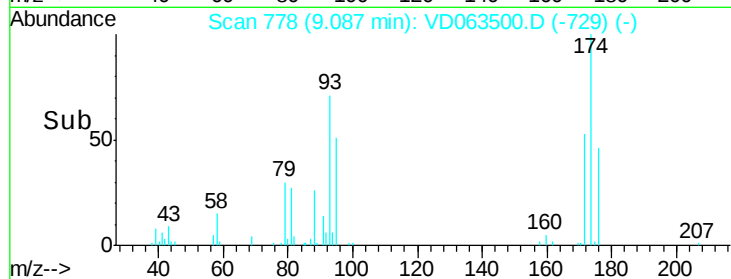
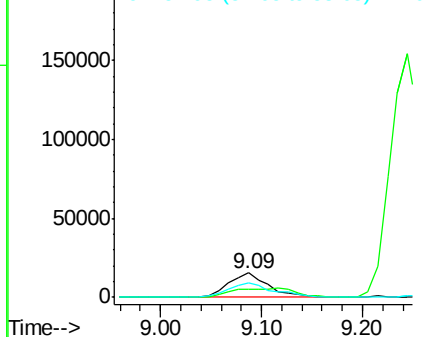
#49
 1,4-Dioxane
 Concen: 1029.770 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 42226
 Ion Ratio Lower Upper
 88 100
 43 34.6 22.9 34.3#
 58 57.8 40.1 60.1

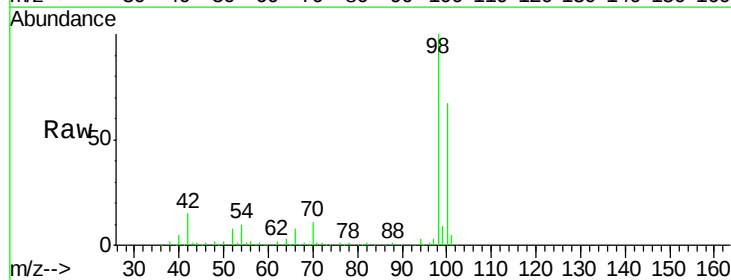


Abundance Ion 88.00 (87.75 to 88.75): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

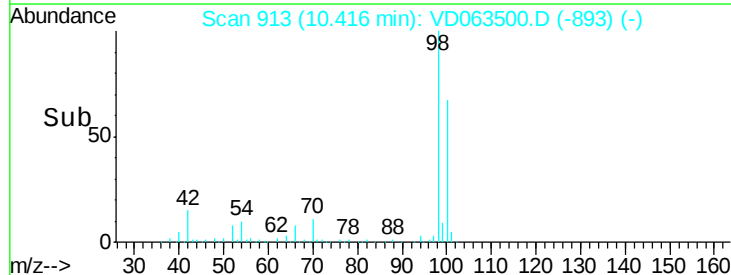
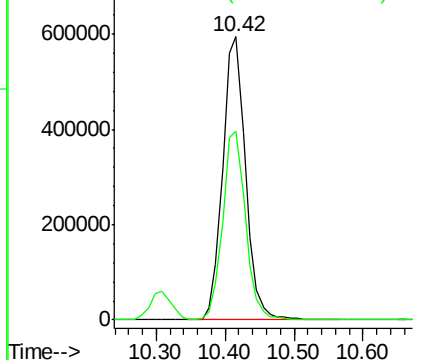


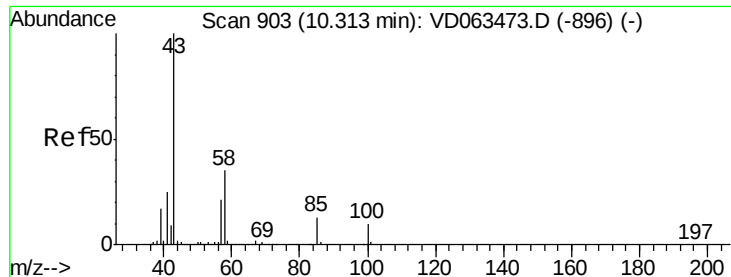
#50
 Toluene-d8
 Concen: 54.027 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 98 Resp: 1364287
 Ion Ratio Lower Upper
 98 100
 100 66.7 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 278.434 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

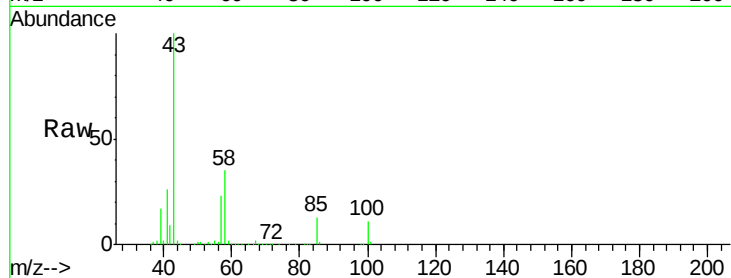
VSTDCCC050EC

Tot Ion: 43 Resp: 1289096

Ion Ratio Lower Upper

43 100

58 34.7 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

600000

500000

400000

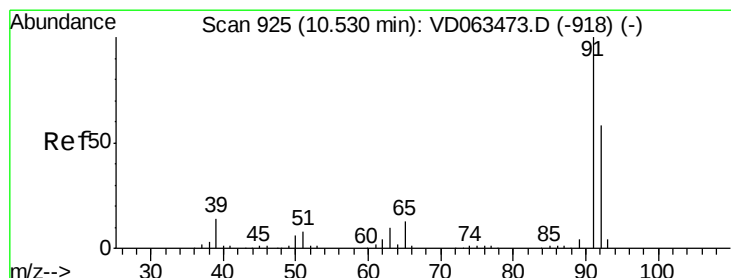
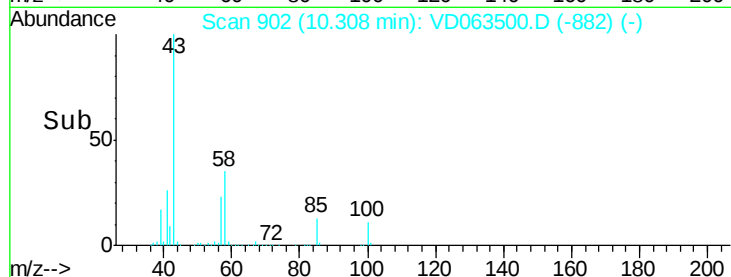
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.908 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063500.D

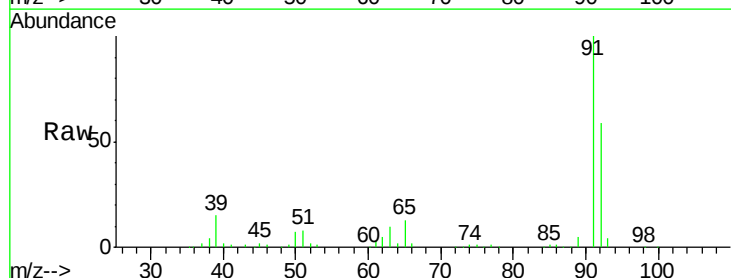
Acq: 12 Aug 2019 20:59

Tgt Ion: 92 Resp: 955378

Ion Ratio Lower Upper

92 100

91 169.1 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

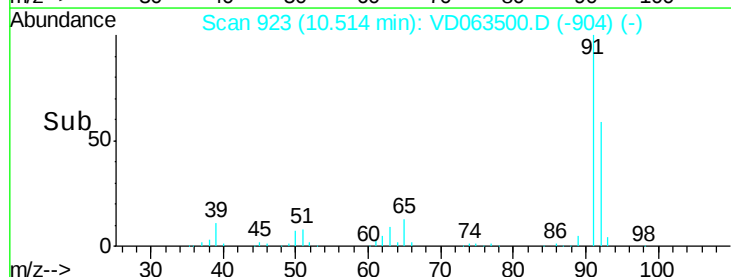
600000

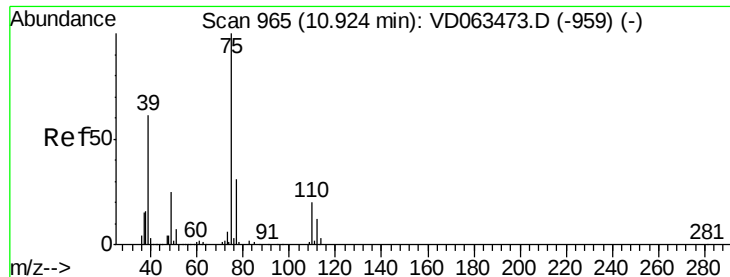
400000

200000

0

Time-->

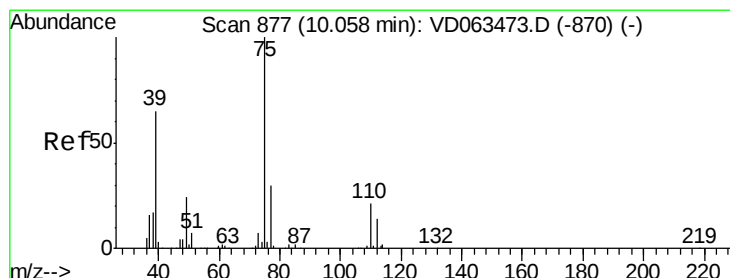
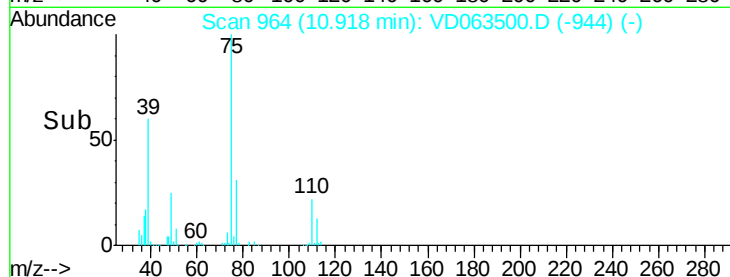
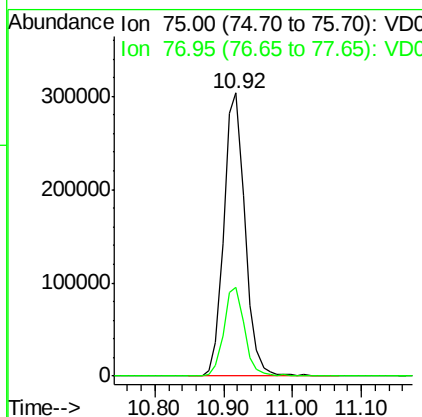
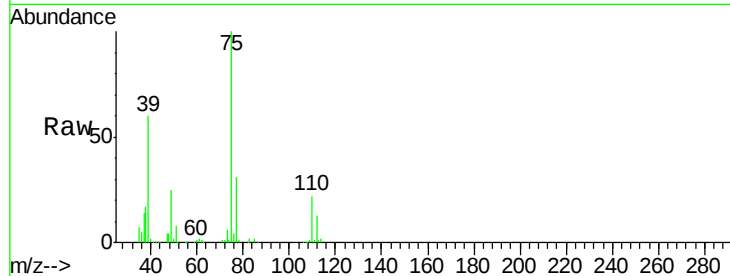




#53
 t-1,3-Dichloropropene
 Concen: 58.447 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

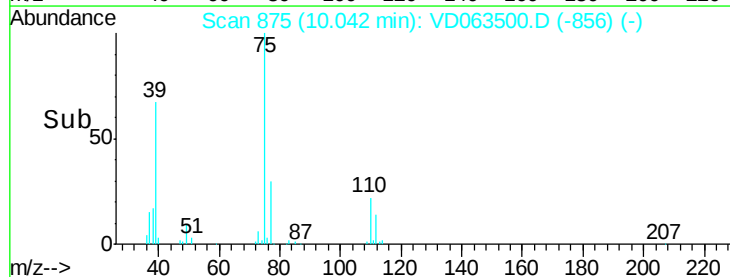
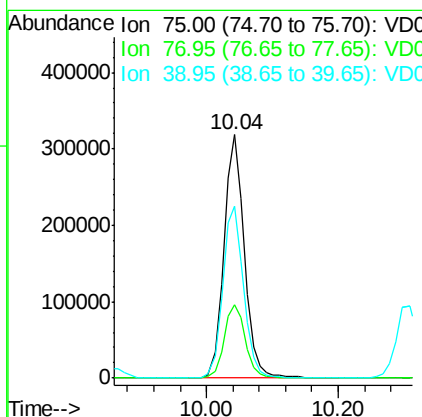
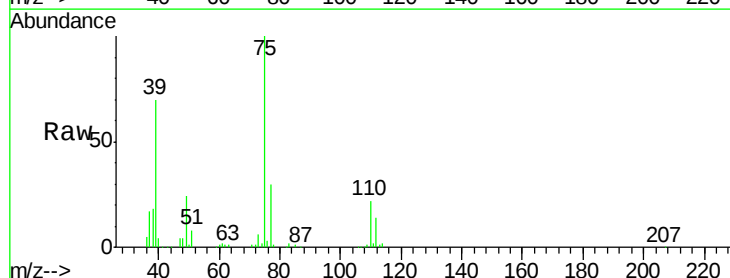
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

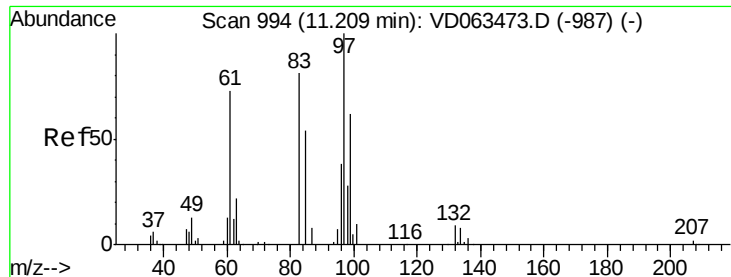
Tot Ion: 75 Resp: 645563
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.342 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 75 Resp: 689252
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.7 35.5
 39 70.4 52.2 78.4

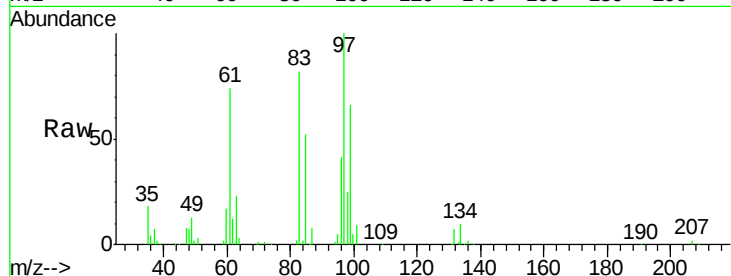




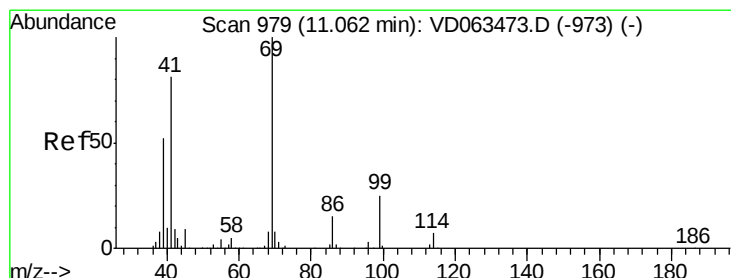
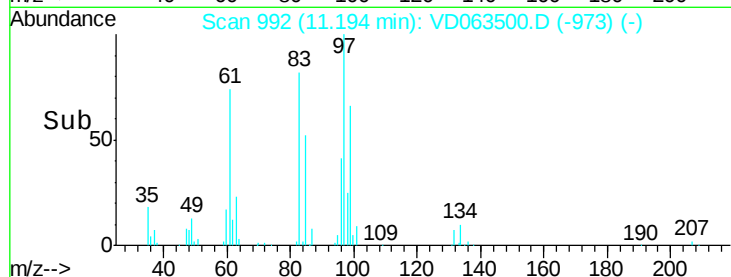
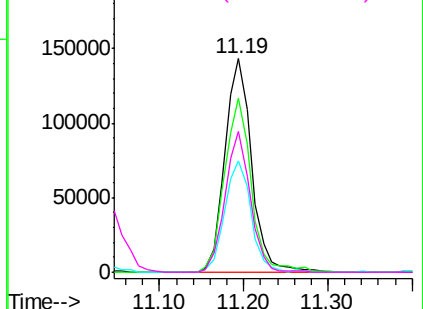
#55
 1,1,2-Trichloroethane
 Concen: 54.831 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	316506
Ion	Ratio	Lower	Upper
97	100		
83	81.8	64.7	97.1
85	52.4	42.9	64.3
99	65.8	49.7	74.5

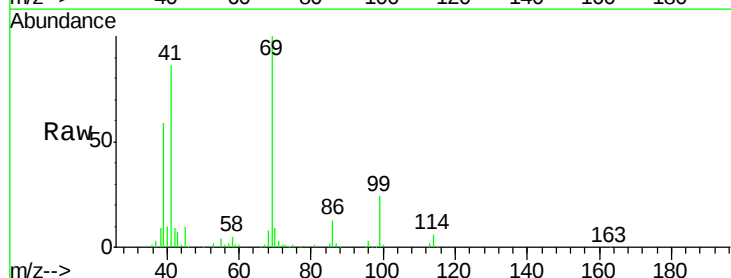


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

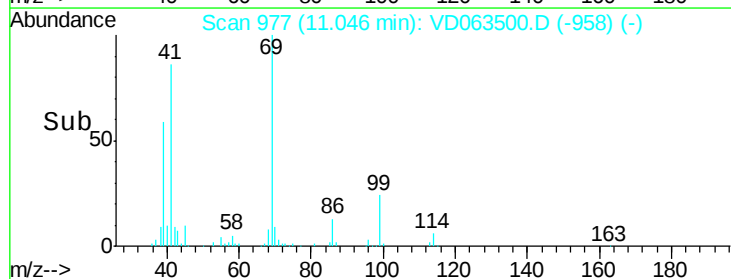
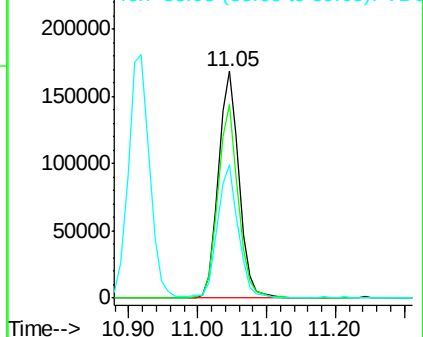


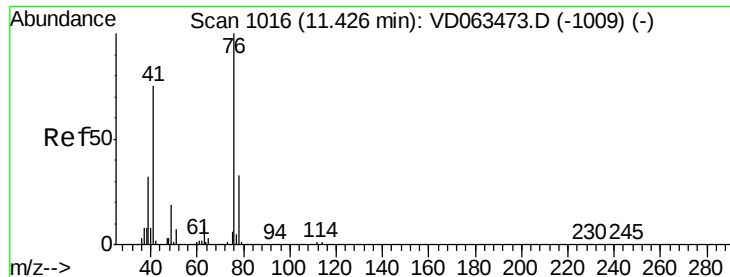
#56
 Ethyl methacrylate
 Concen: 55.658 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion:	69	Resp:	348715
Ion	Ratio	Lower	Upper
69	100		
41	85.6	64.8	97.2
39	58.7	42.4	63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.332 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

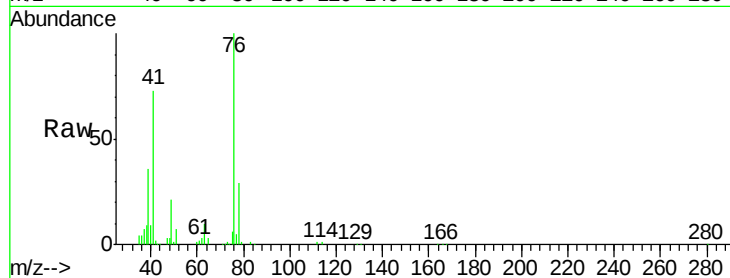
VSTDCCC050EC

Tot Ion: 76 Resp: 456625

Ion Ratio Lower Upper

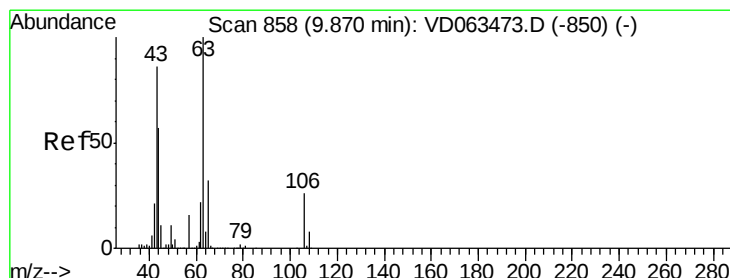
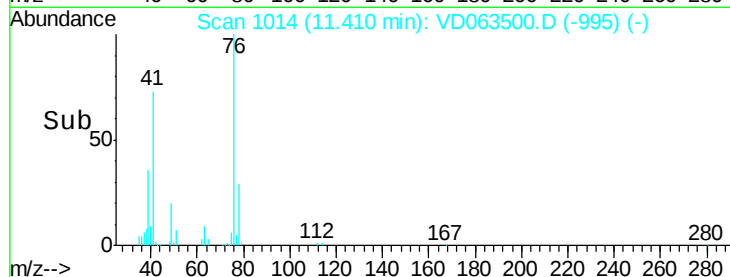
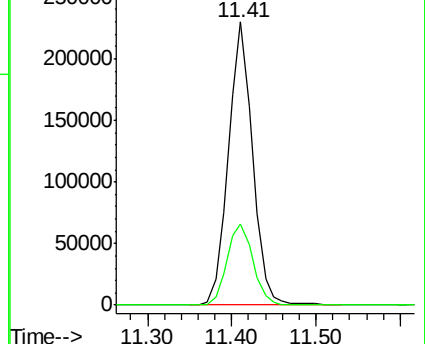
76 100

78 28.8 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 280.651 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD063500.D

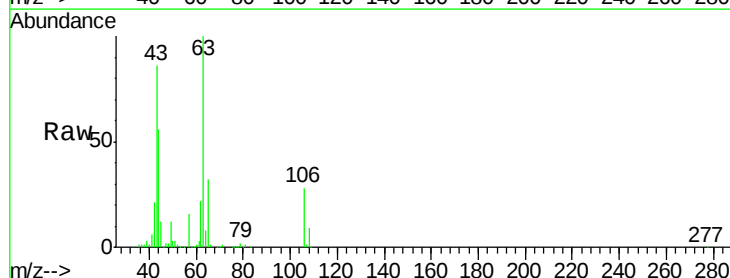
Acq: 12 Aug 2019 20:59

Tgt Ion: 63 Resp: 928305

Ion Ratio Lower Upper

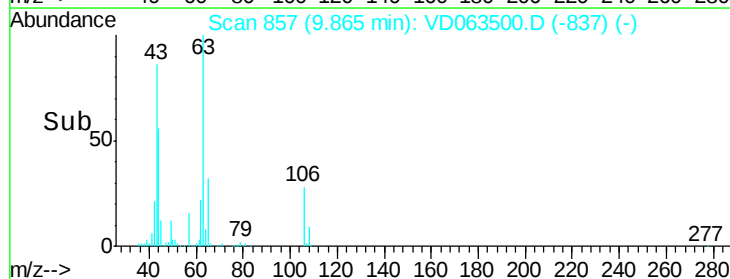
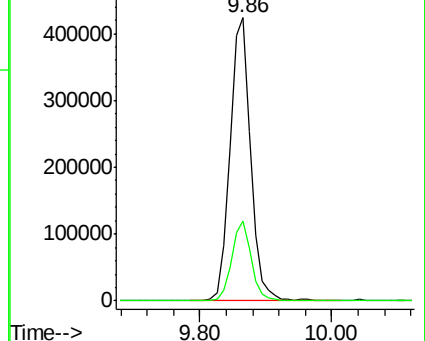
63 100

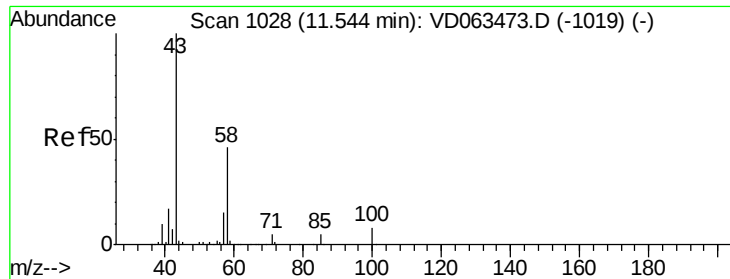
106 28.0 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

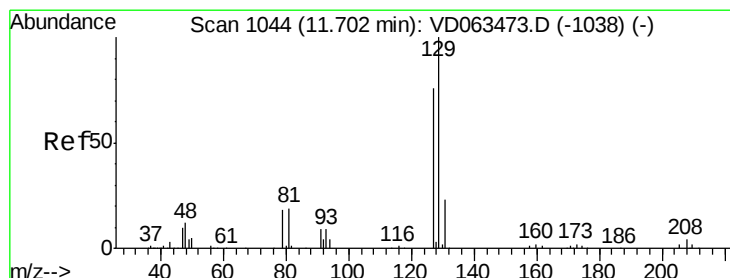
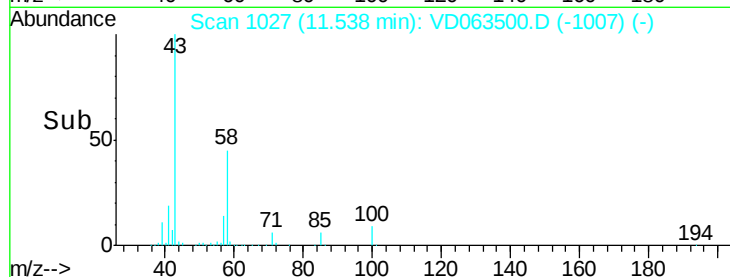
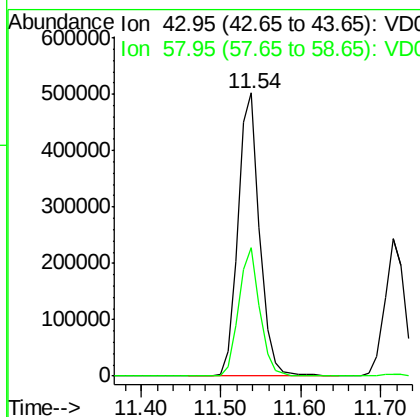
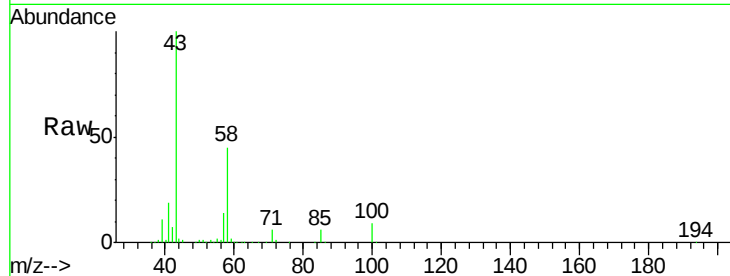




#59
2-Hexanone
Concen: 281.343 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

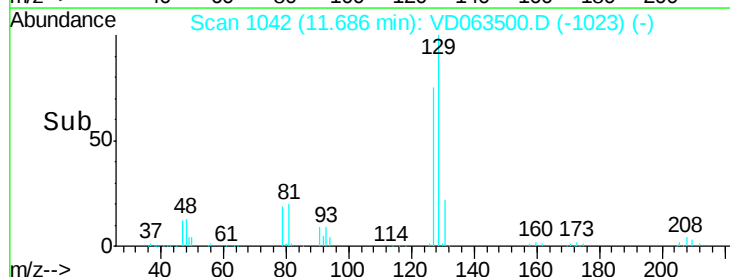
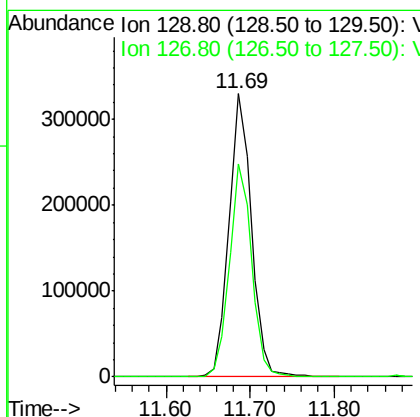
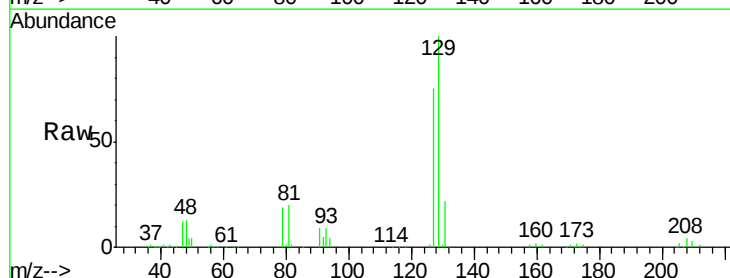
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

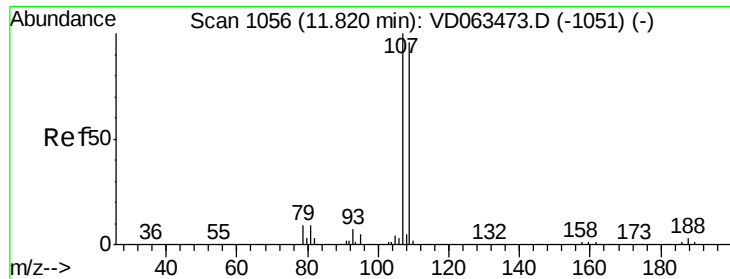
Tot Ion: 43 Resp: 947781
Ion Ratio Lower Upper
43 100
58 45.4 23.1 69.2



#60
Dibromochloromethane
Concen: 58.239 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 129 Resp: 611732
Ion Ratio Lower Upper
129 100
127 75.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 58.306 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

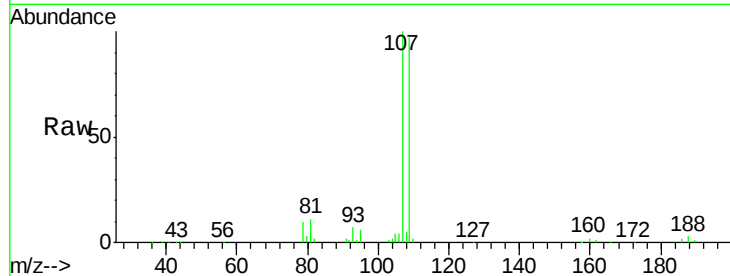
VSTDCCC050EC

Tot Ion:107 Resp: 407442

Ion Ratio Lower Upper

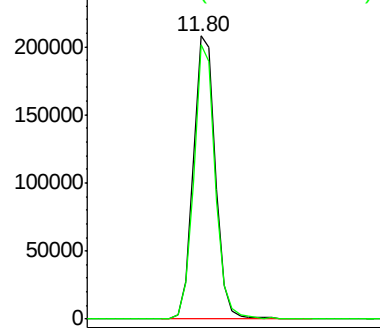
107 100

109 96.8 76.8 115.2

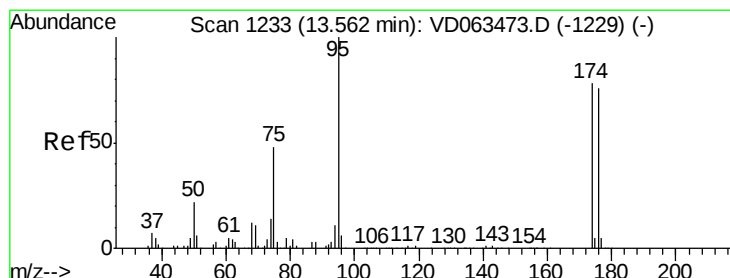
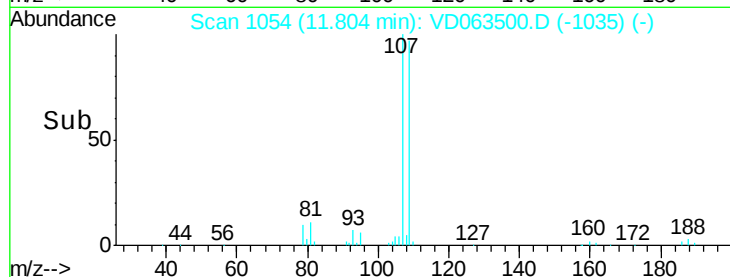


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



Time-->



#62

4-Bromofluorobenzene

Concen: 53.695 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

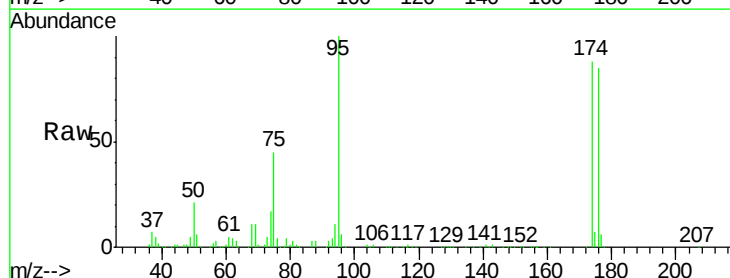
Tgt Ion: 95 Resp: 614554

Ion Ratio Lower Upper

95 100

174 88.5 0.0 155.4

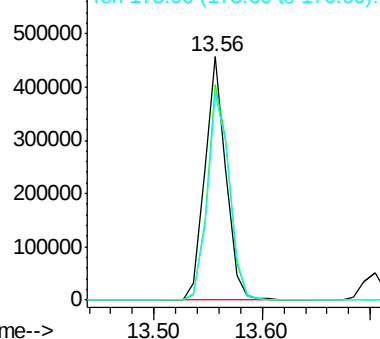
176 85.0 0.0 152.4



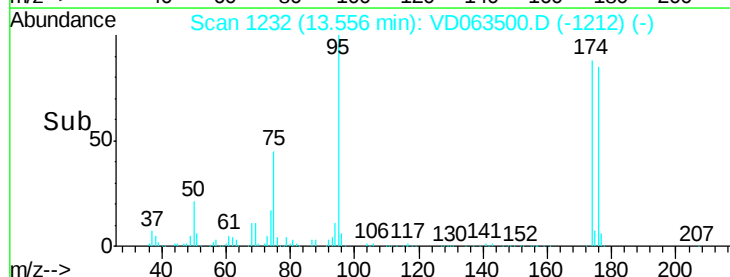
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

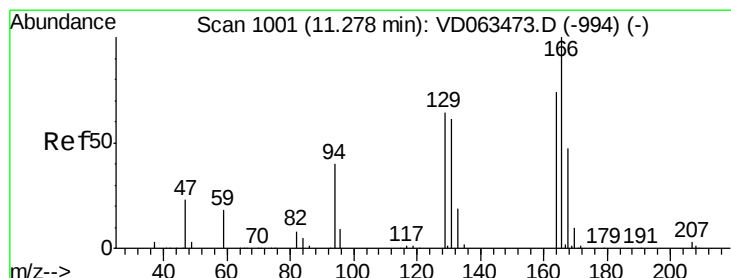
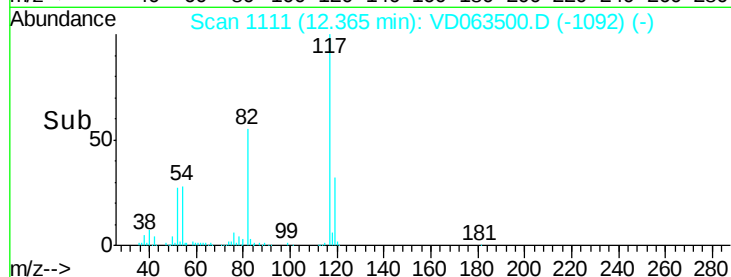
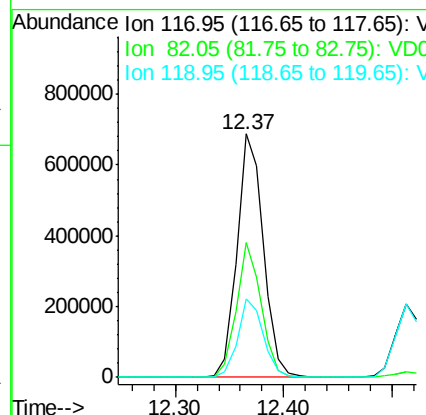
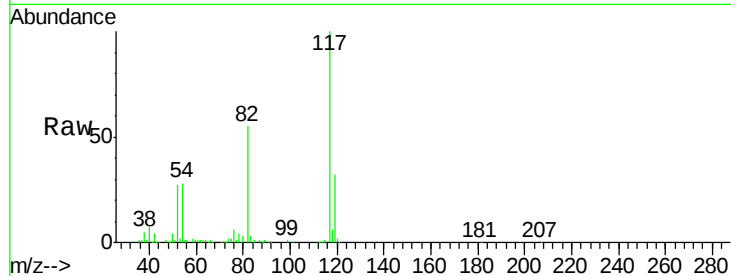




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

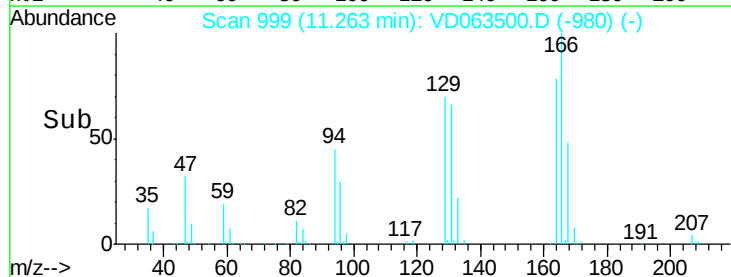
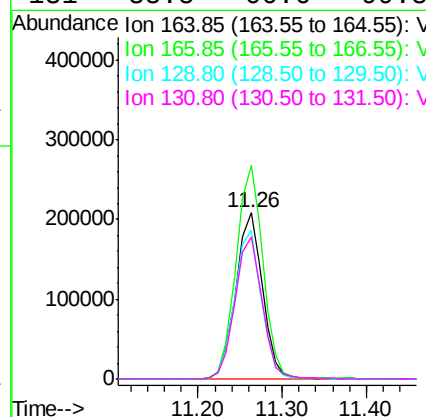
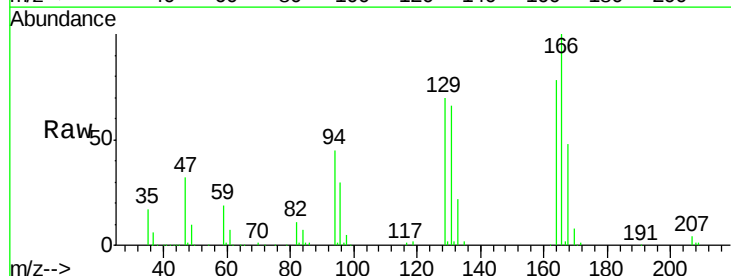
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

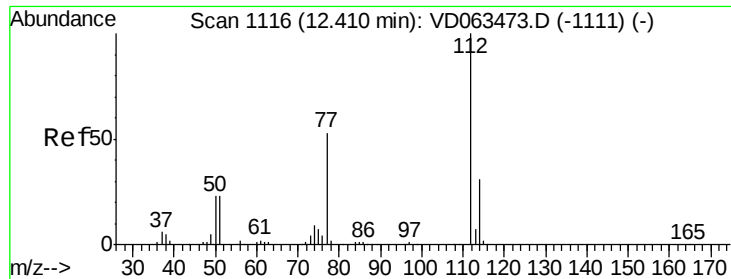
Tot Ion:117 Resp: 1160450
Ion Ratio Lower Upper
117 100
82 55.2 42.0 63.0
119 32.0 25.4 38.0



#64
Tetrachloroethene
Concen: 51.588 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion:164 Resp: 462145
Ion Ratio Lower Upper
164 100
166 128.8 108.6 163.0
129 89.7 69.0 103.6
131 85.5 66.6 99.8

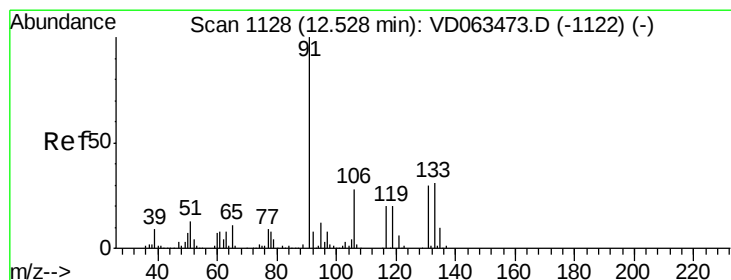
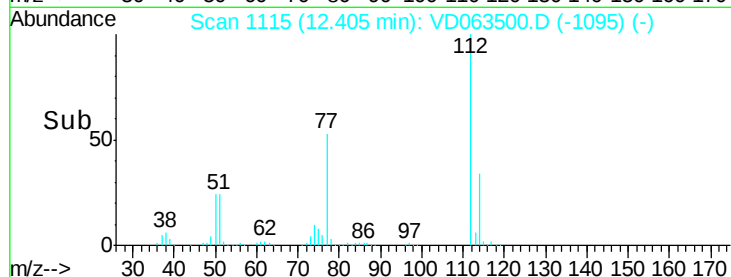
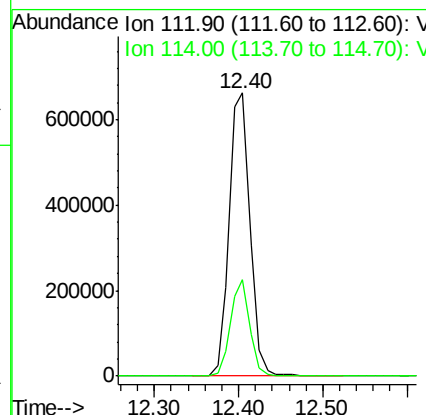
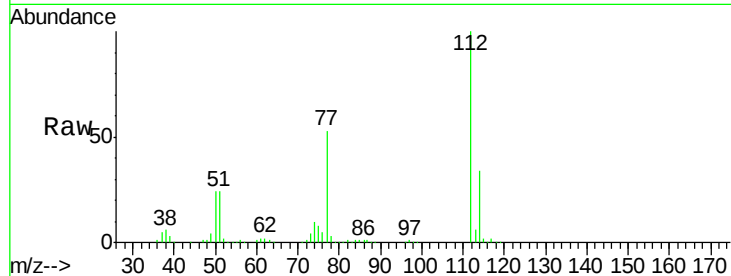




#65
Chlorobenzene
Concen: 52.303 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

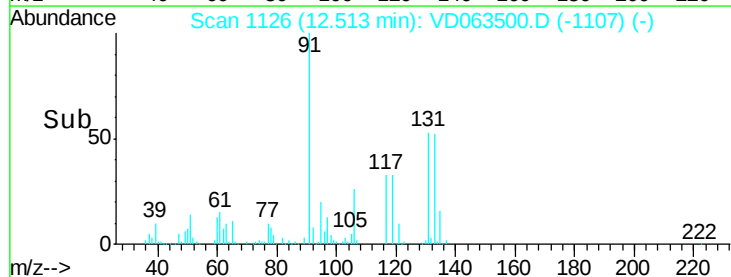
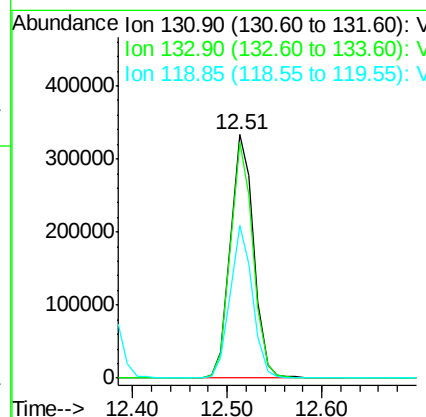
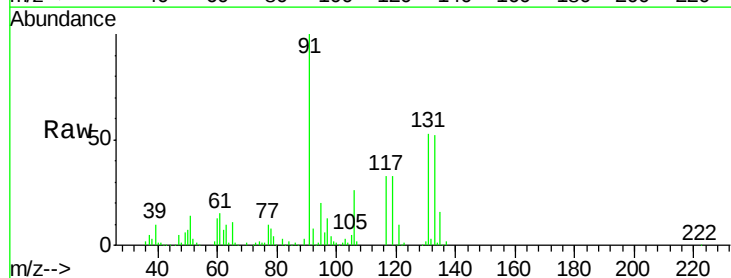
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

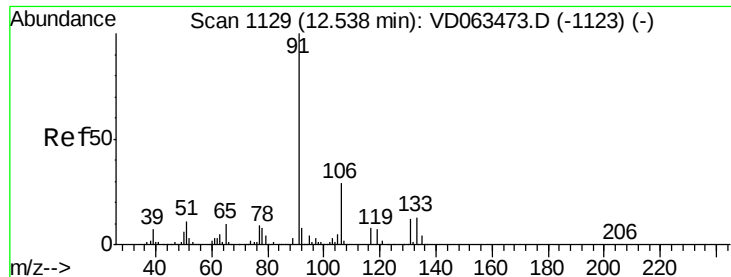
Tot Ion:112 Resp: 1137560
Ion Ratio Lower Upper
112 100
114 34.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 59.062 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion:131 Resp: 565338
Ion Ratio Lower Upper
131 100
133 96.9 51.1 153.3
119 62.5 33.1 99.3

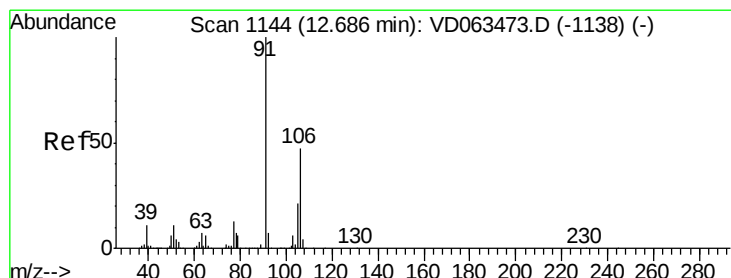
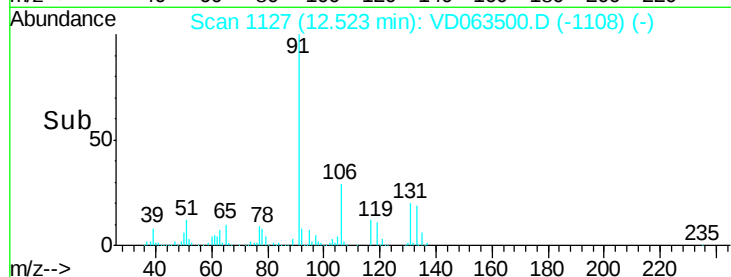
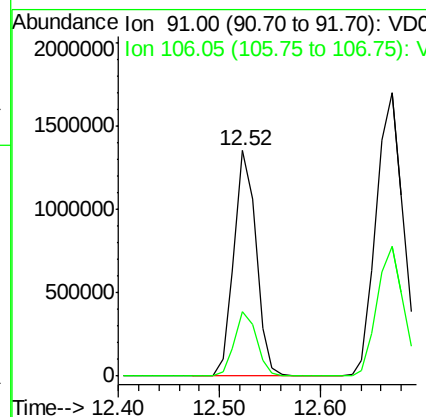
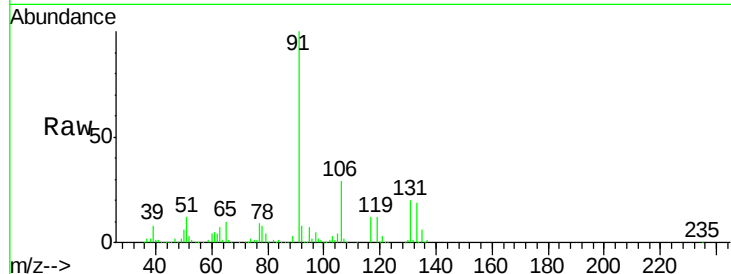




#67
Ethyl Benzene
Concen: 54.947 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

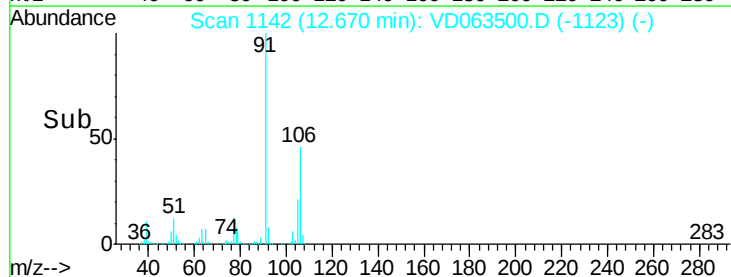
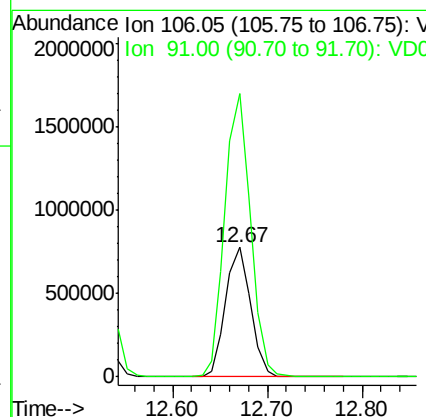
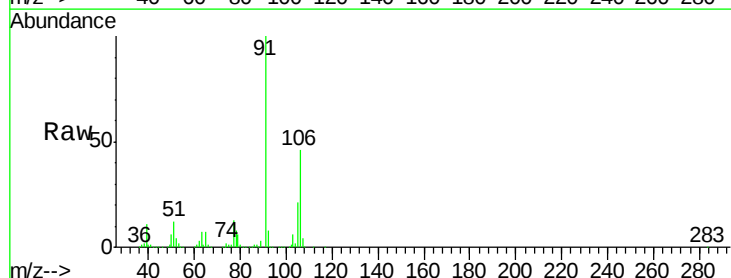
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

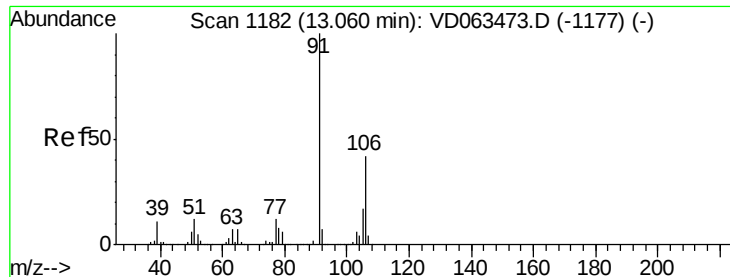
Tot Ion: 91 Resp: 2077946
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#68
m/p-Xylenes
Concen: 107.998 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 106 Resp: 1434903
Ion Ratio Lower Upper
106 100
91 218.4 171.8 257.8

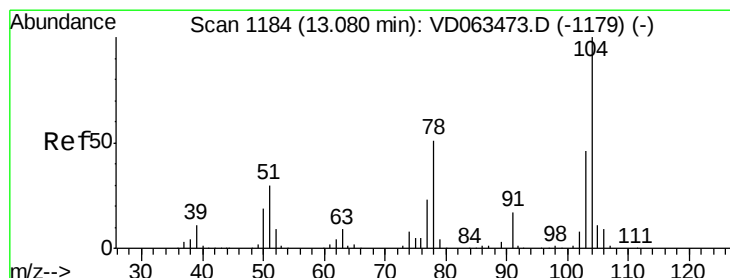
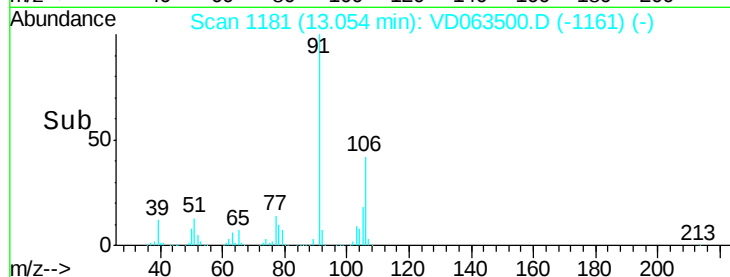
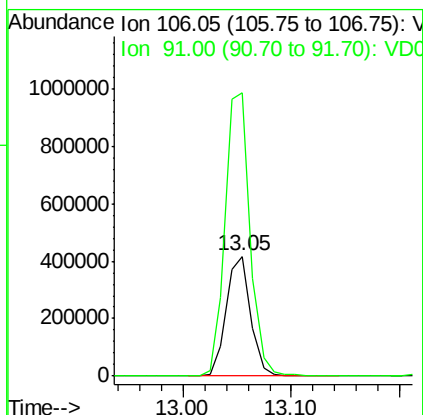
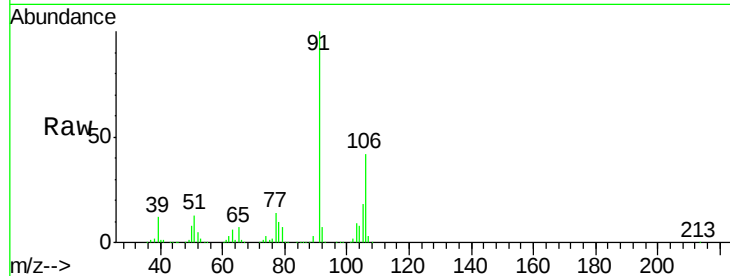




#69
o-Xylene
Concen: 51.315 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

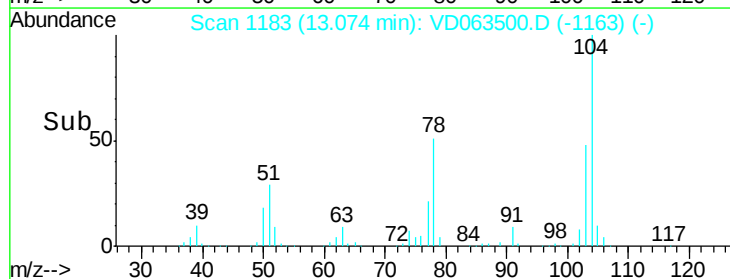
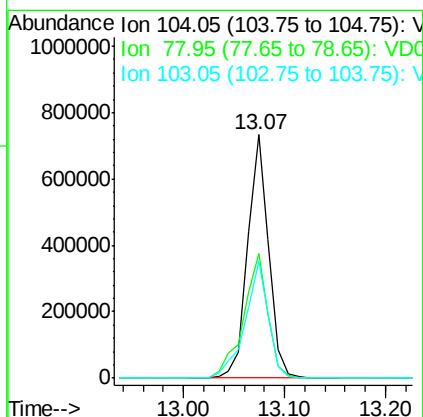
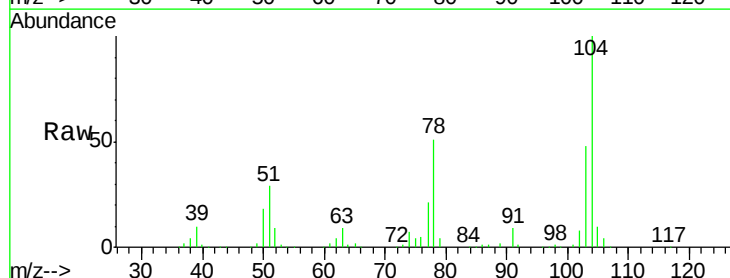
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

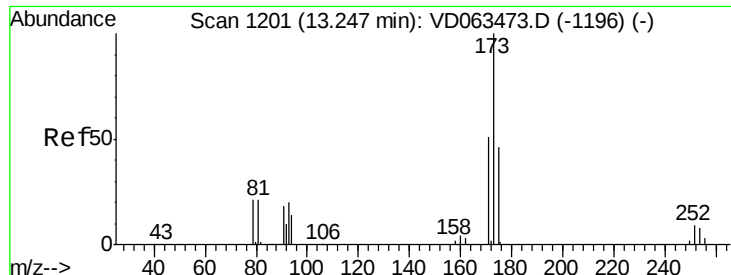
Tot Ion:106 Resp: 656198
Ion Ratio Lower Upper
106 100
91 236.0 118.1 354.2



#70
Styrene
Concen: 46.977 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion:104 Resp: 1068574
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 48.2 36.4 54.6

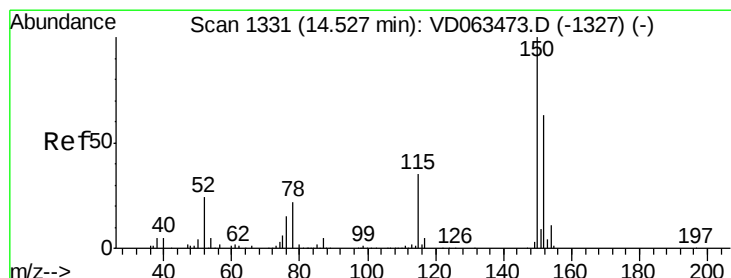
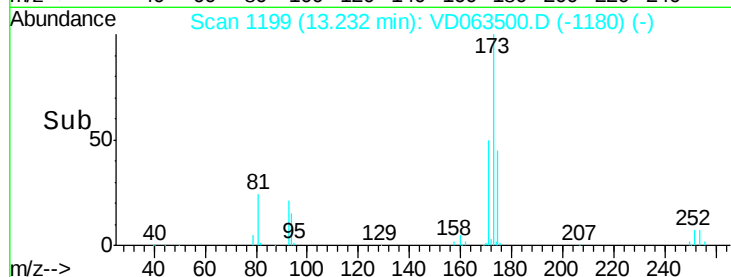
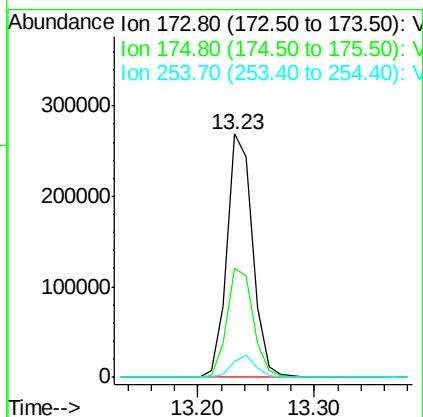
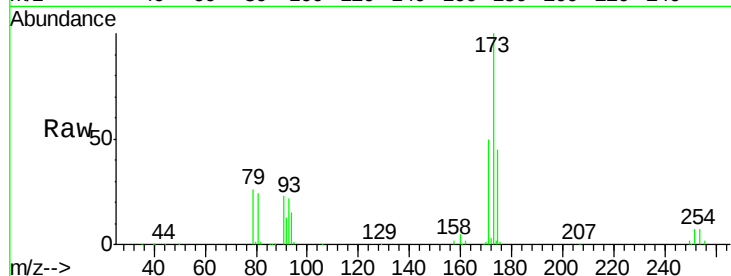




#71
Bromoform
Concen: 62.456 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

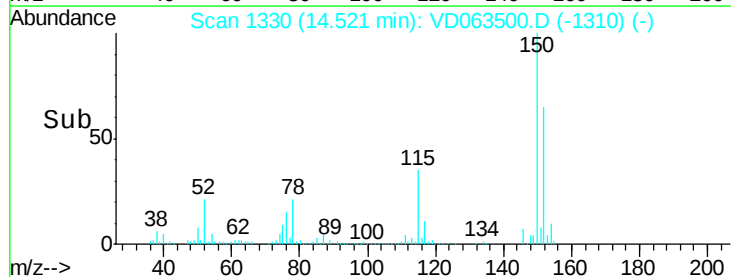
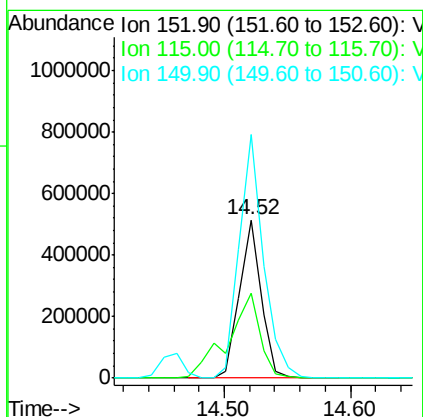
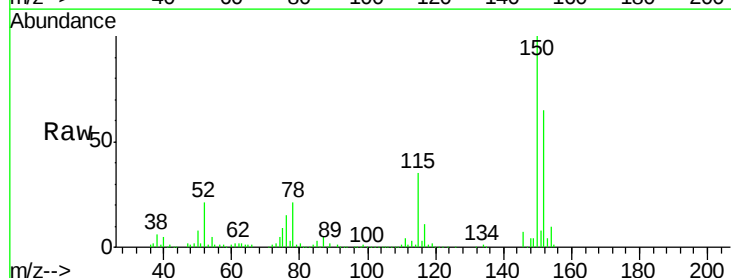
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 409923
Ion Ratio Lower Upper
173 100
175 44.9 22.8 68.3
254 6.5 6.6 9.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion:152 Resp: 611293
Ion Ratio Lower Upper
152 100
115 53.3 30.9 92.7
150 153.7 0.0 318.6





#73

Isopropylbenzene

Concen: 55.808 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

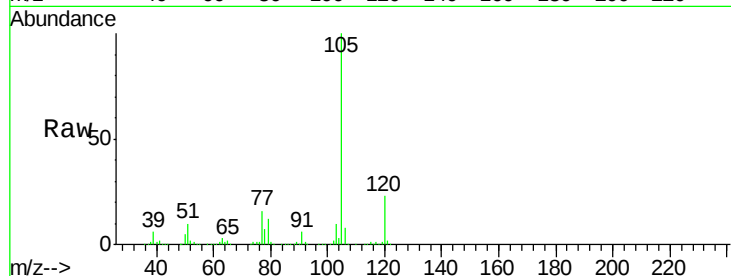
VSTDCCC050EC

Tot Ion:105 Resp: 2169919

Ion Ratio Lower Upper

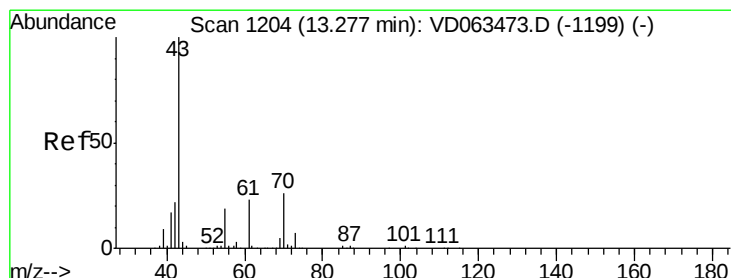
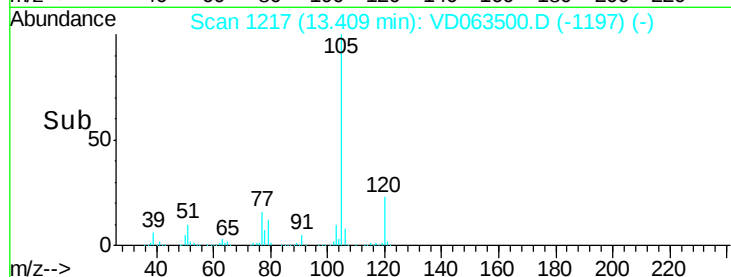
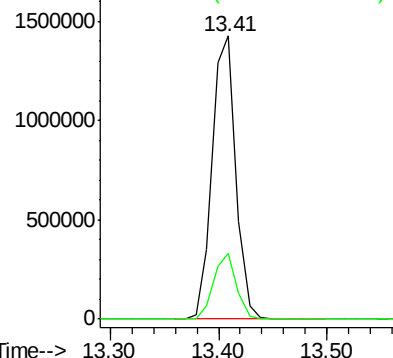
105 100

120 23.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.319 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Tgt Ion: 43 Resp: 520416

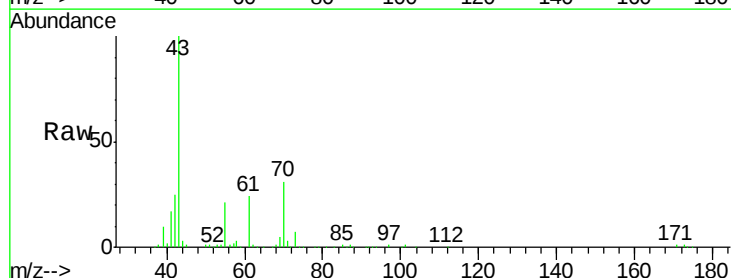
Ion Ratio Lower Upper

43 100

70 31.1 21.1 31.7

55 20.6 15.4 23.0

61 24.2 18.2 27.2

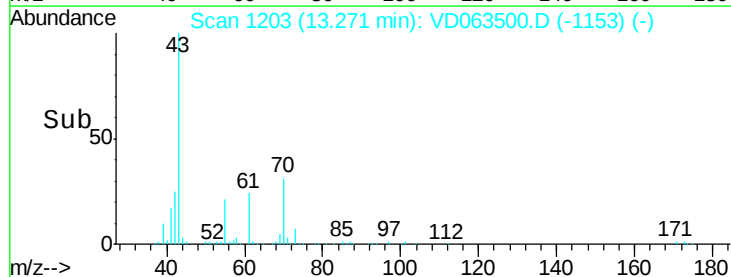
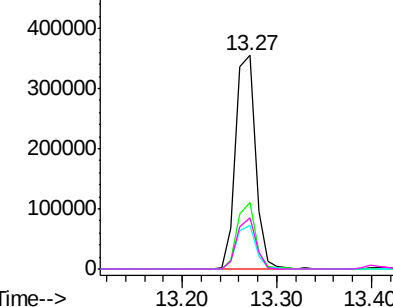


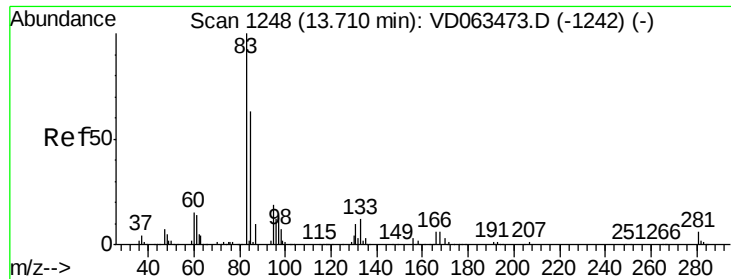
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.321 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

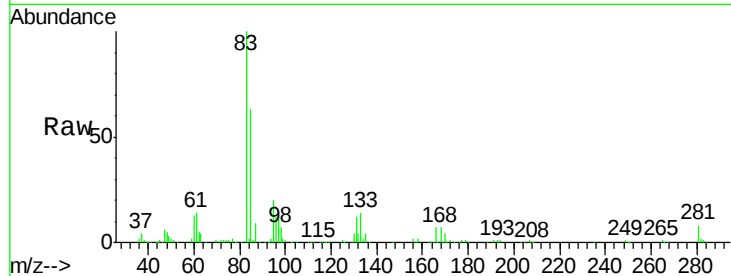
Tot Ion: 83 Resp: 363477

Ion Ratio Lower Upper

83 100

131 11.8 5.3 15.8

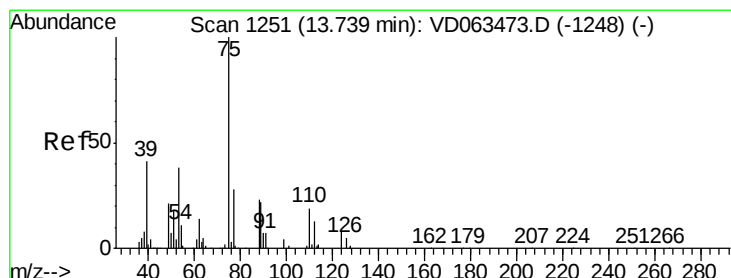
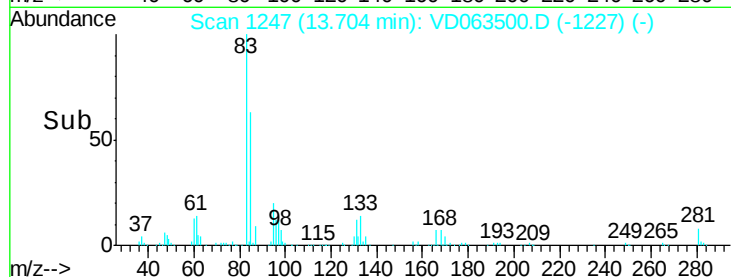
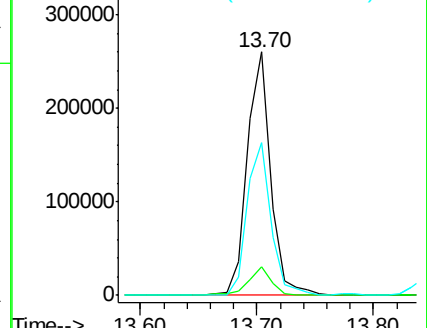
85 62.8 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.728 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063500.D

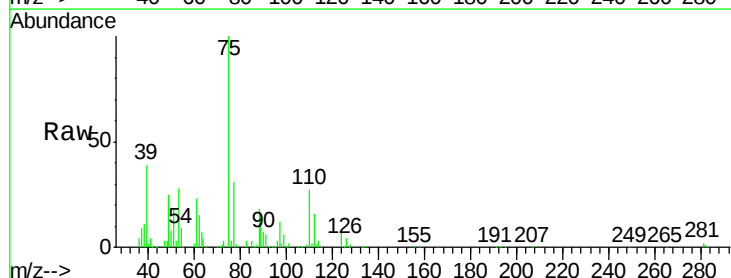
Acq: 12 Aug 2019 20:59

Tgt Ion: 75 Resp: 383950

Ion Ratio Lower Upper

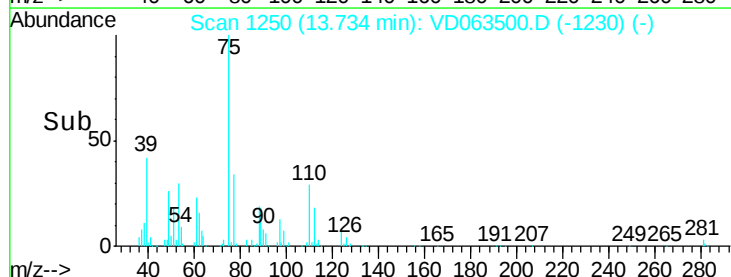
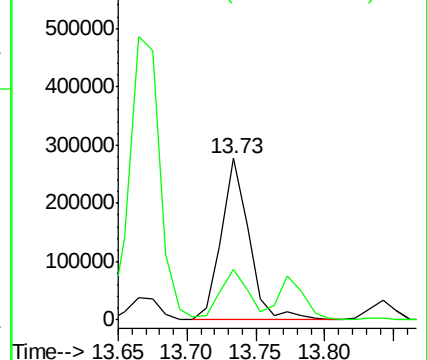
75 100

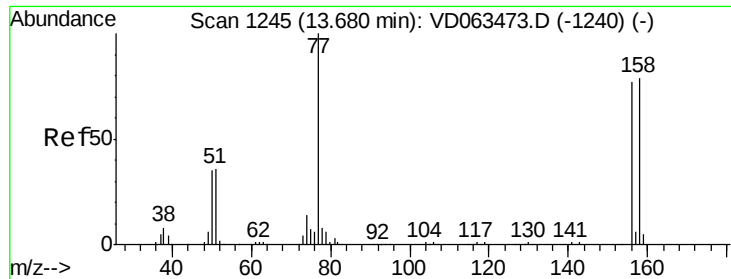
77 31.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.457 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

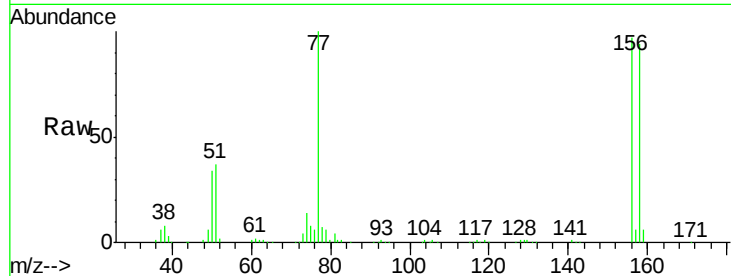
Tot Ion:156 Resp: 599942

Ion Ratio Lower Upper

156 100

77 103.1 64.6 193.8

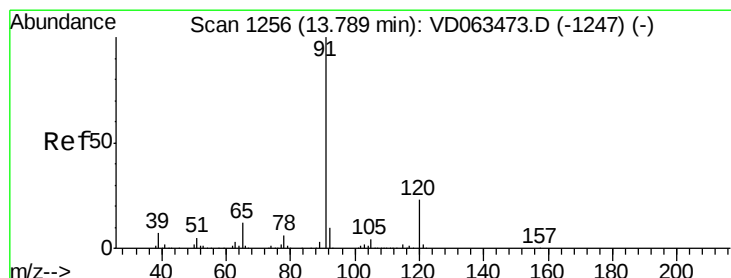
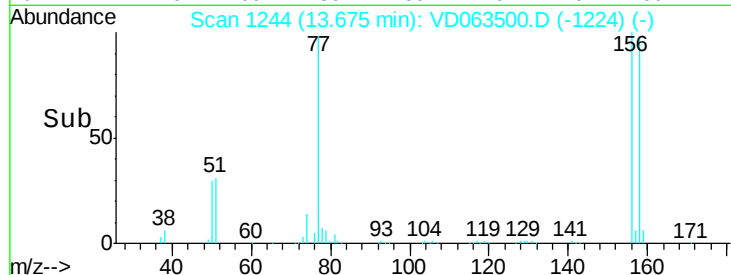
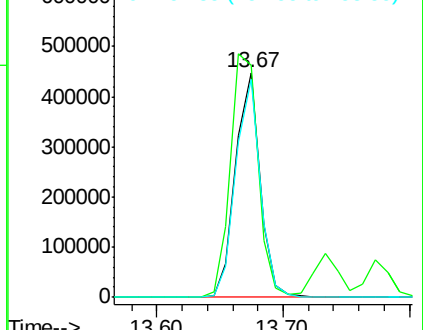
158 96.9 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.558 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063500.D

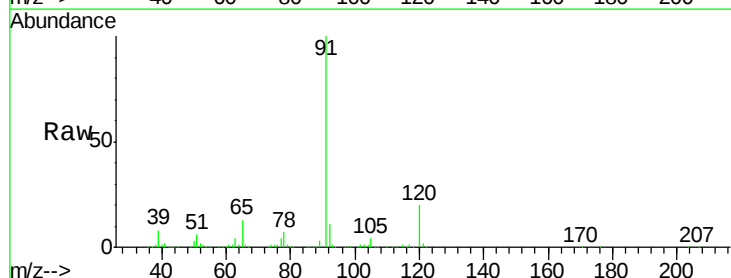
Acq: 12 Aug 2019 20:59

Tgt Ion: 91 Resp: 2300026

Ion Ratio Lower Upper

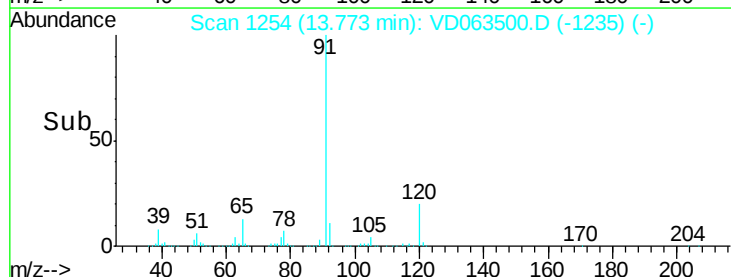
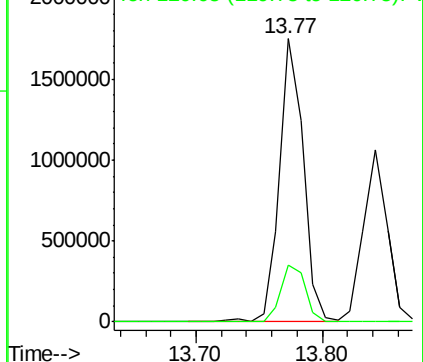
91 100

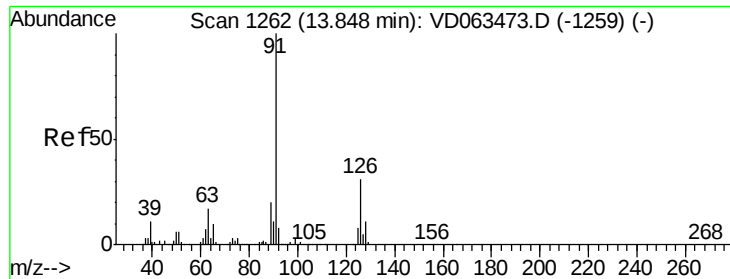
120 20.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

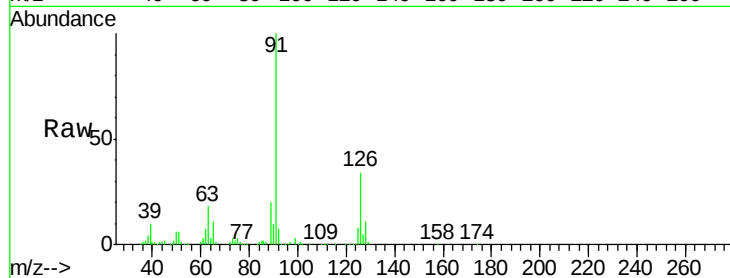




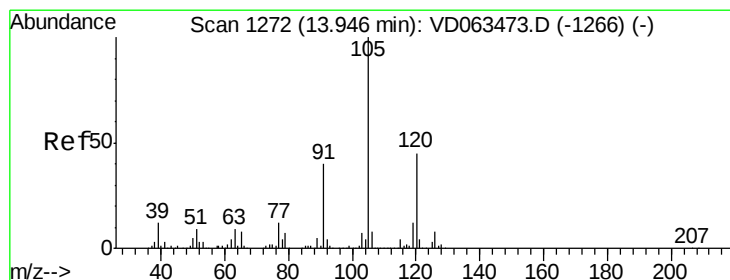
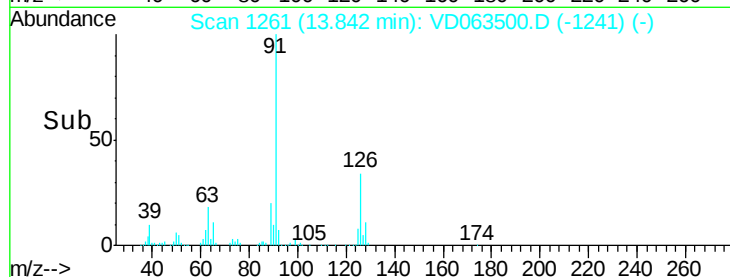
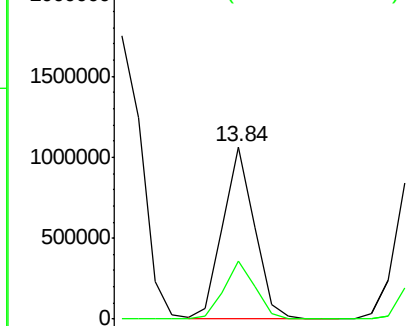
#79
2-Chlorotoluene
Concen: 53.074 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1392151
Ion Ratio Lower Upper
91 100
126 33.7 15.6 46.7

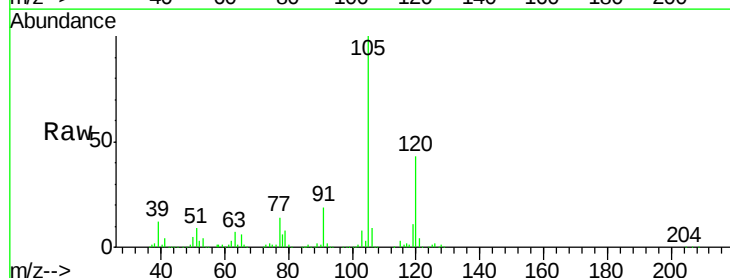


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

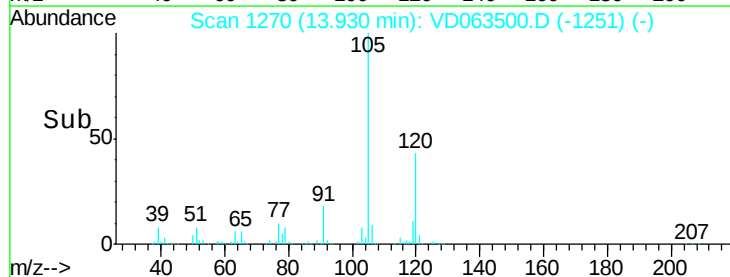
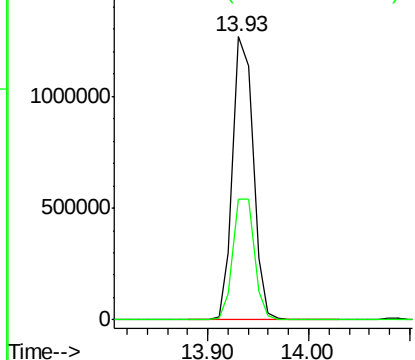


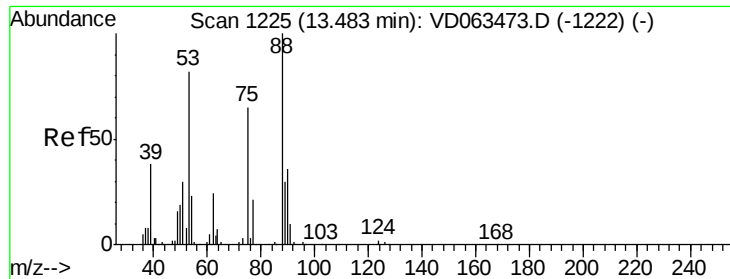
#80
1,3,5-Trimethylbenzene
Concen: 52.674 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 105 Resp: 1789469
Ion Ratio Lower Upper
105 100
120 42.5 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

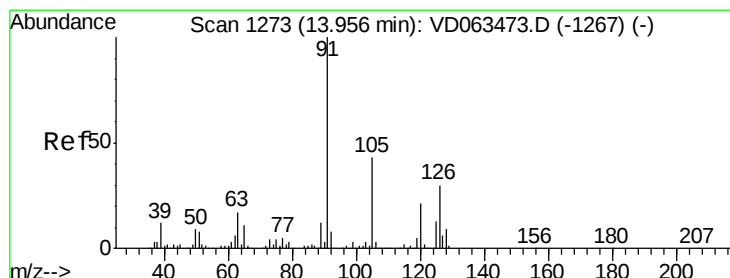
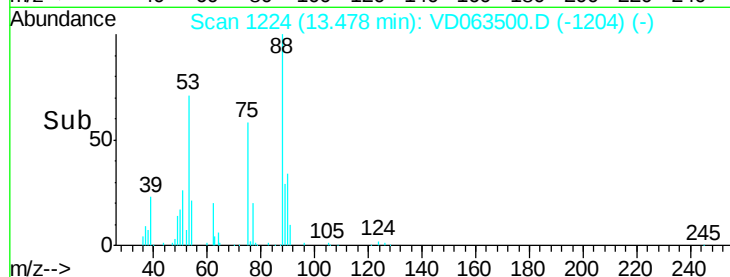
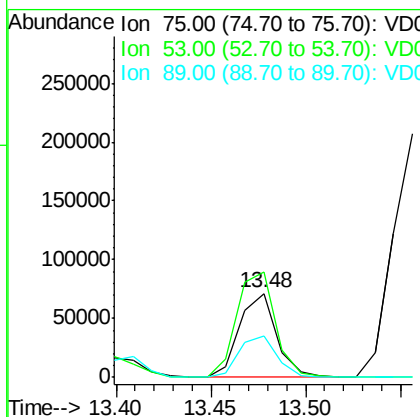
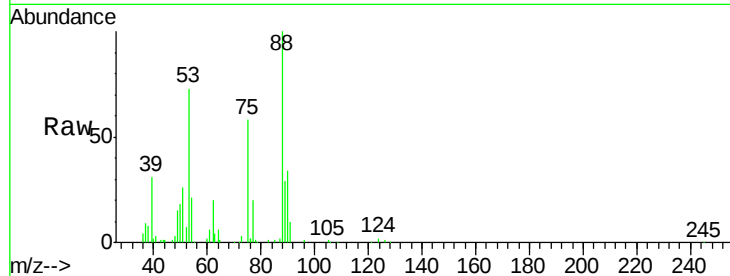




#81
trans-1,4-Dichloro-2-butene
Concen: 52.067 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

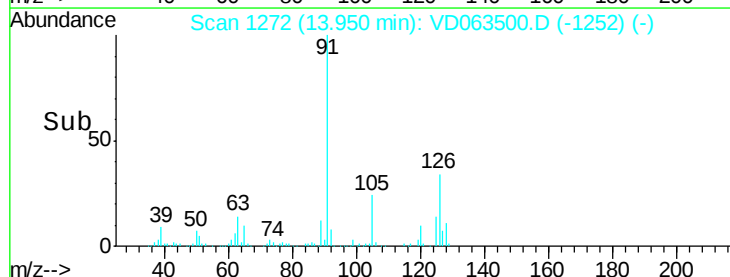
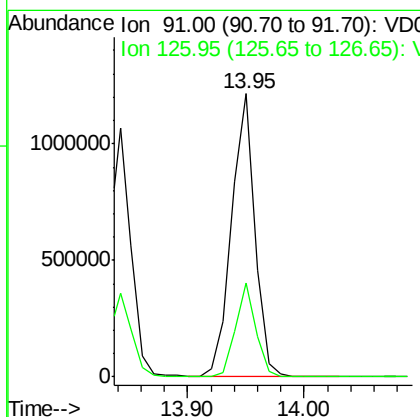
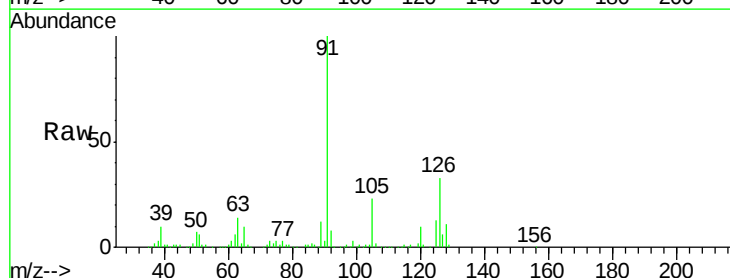
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

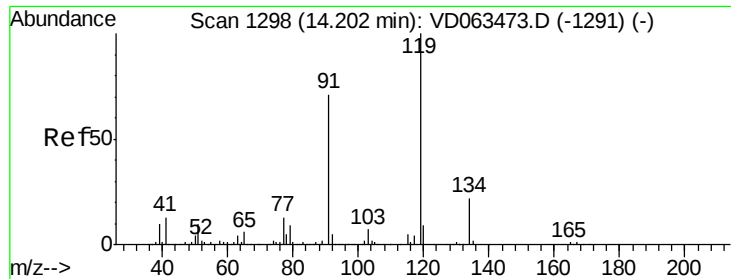
Tot Ion: 75 Resp: 98178
Ion Ratio Lower Upper
75 100
53 125.7 101.0 151.4
89 49.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 53.653 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063500.D
Acq: 12 Aug 2019 20:59

Tgt Ion: 91 Resp: 1692300
Ion Ratio Lower Upper
91 100
126 33.1 15.2 45.6

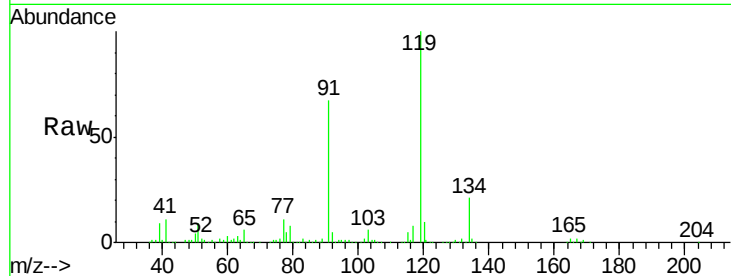




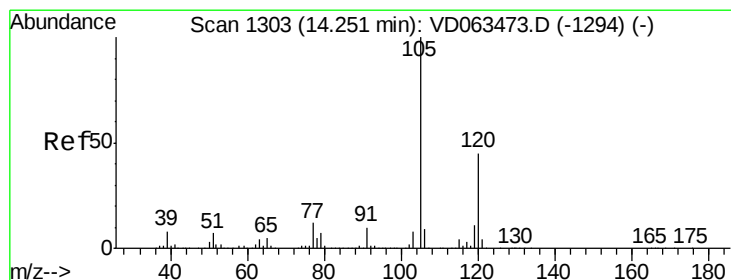
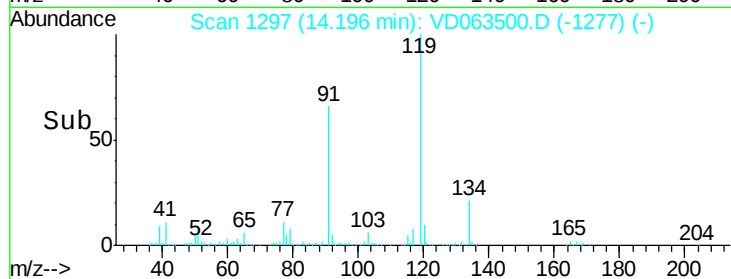
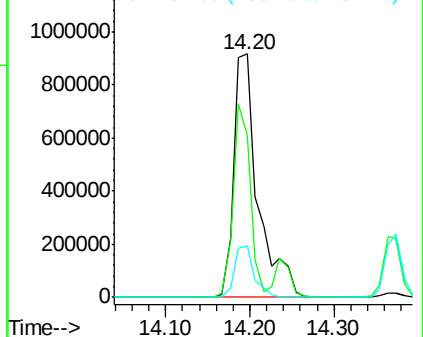
#83
 tert-Butylbenzene
 Concen: 51.419 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1839469
 Ion Ratio Lower Upper
 119 100
 91 66.6 35.5 106.7
 134 21.3 11.1 33.1

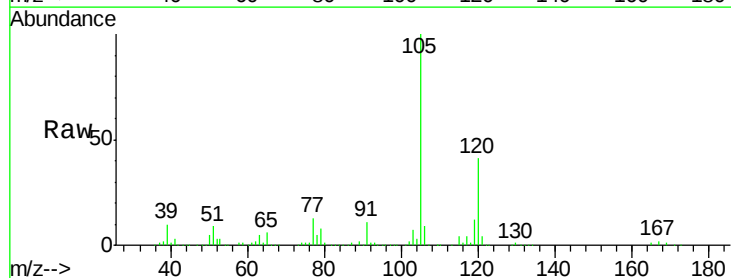


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

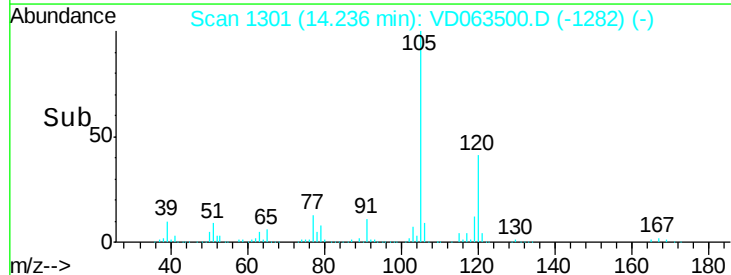
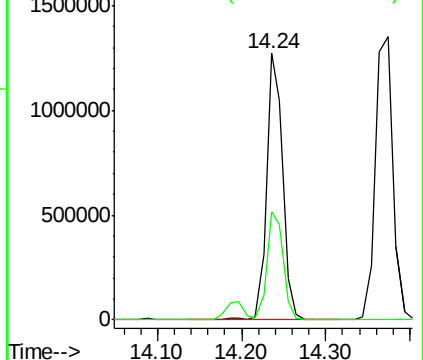


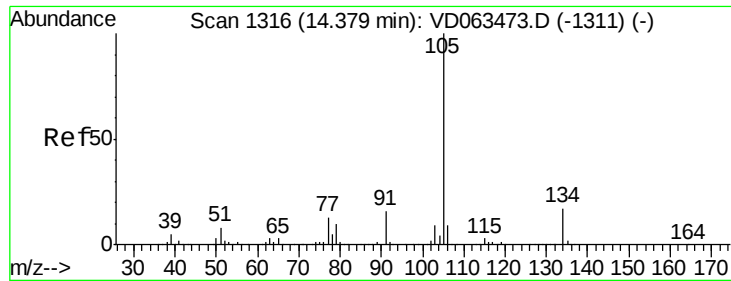
#84
 1,2,4-Trimethylbenzene
 Concen: 54.657 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion:105 Resp: 1718051
 Ion Ratio Lower Upper
 105 100
 120 40.6 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

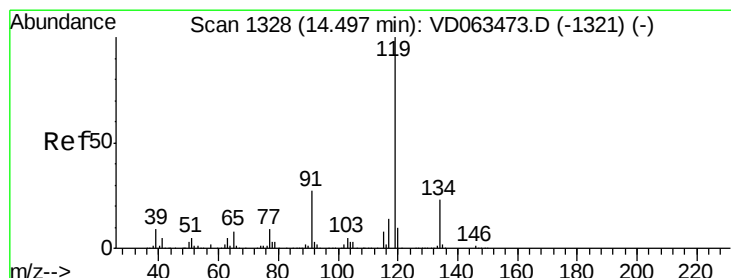
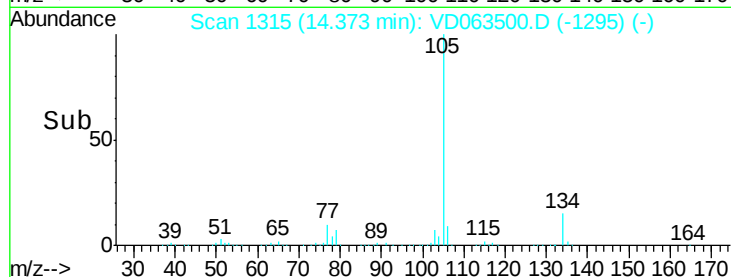
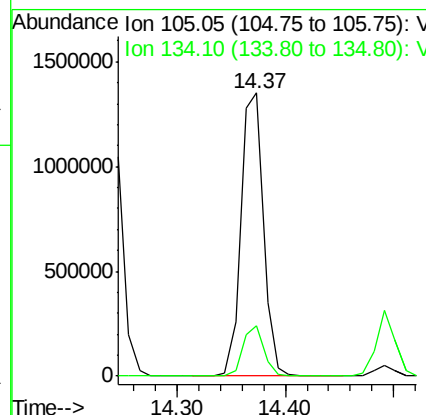
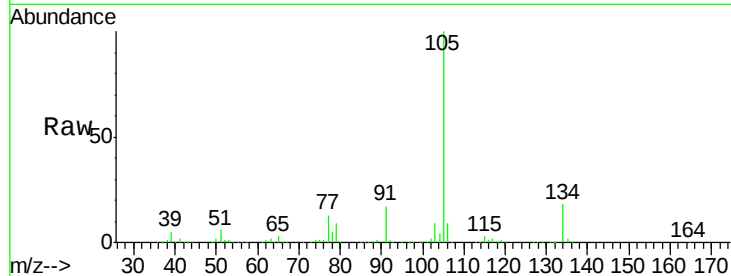




#85
 sec-Butylbenzene
 Concen: 51.273 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

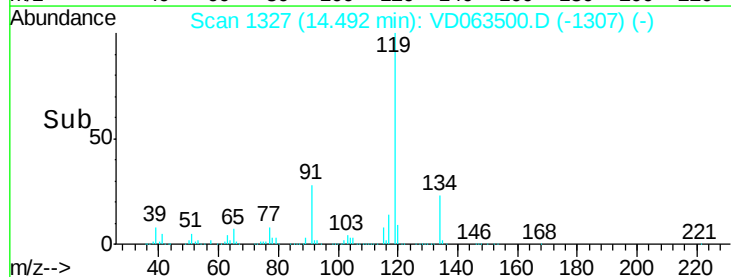
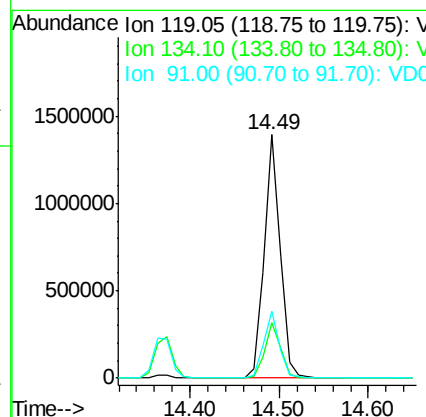
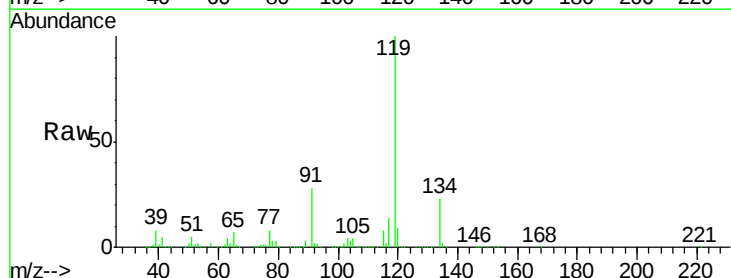
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

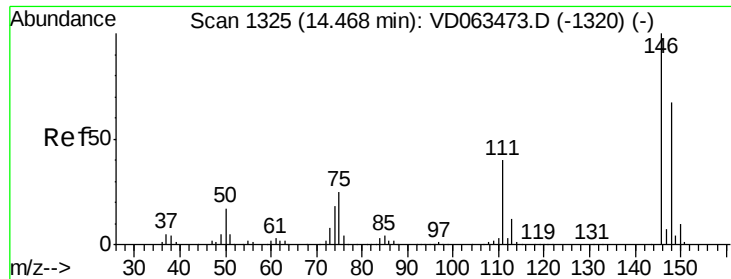
Tot Ion:105 Resp: 1947939
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 46.684 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion:119 Resp: 1695795
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 27.7 13.5 40.4

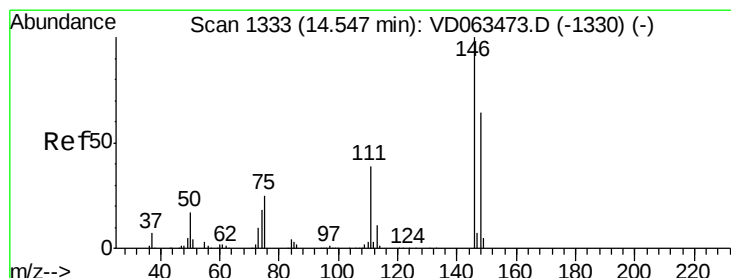
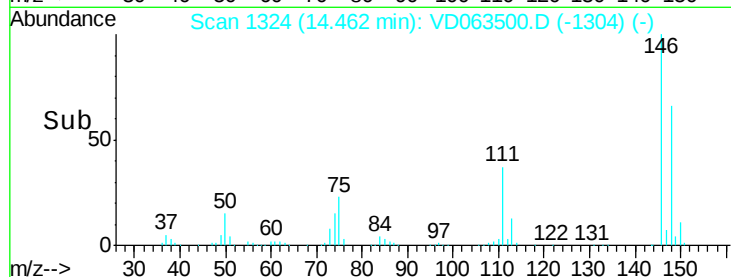
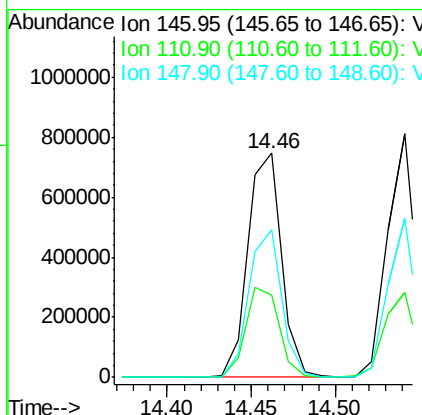
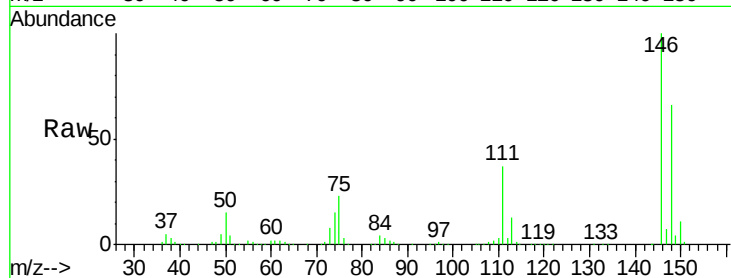




#87
 1,3-Dichlorobenzene
 Concen: 54.042 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

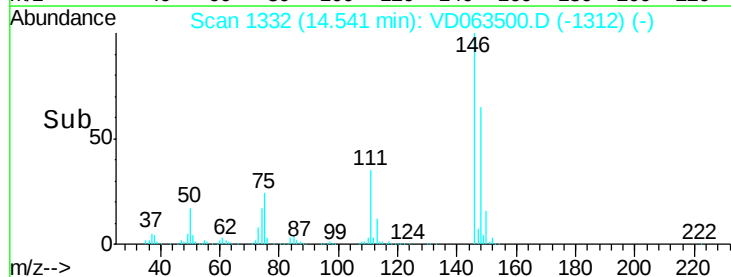
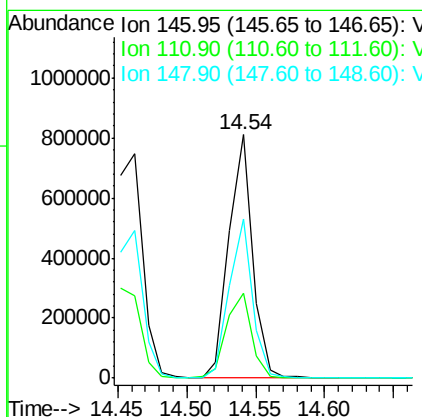
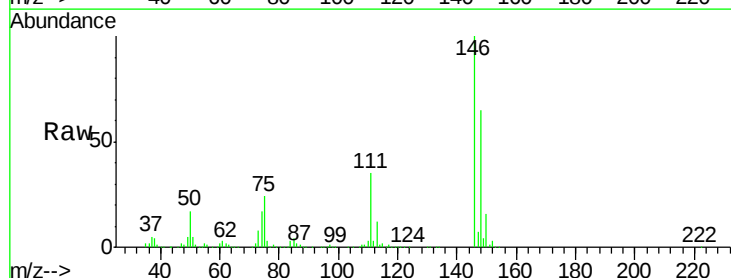
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

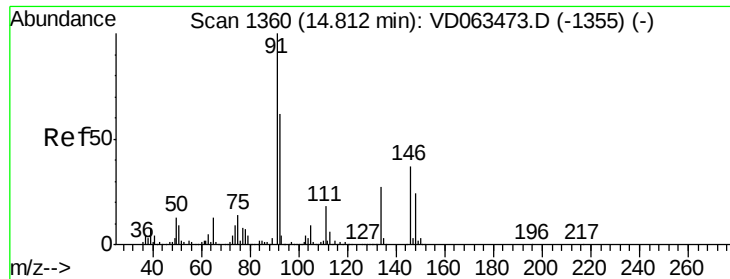
Tot Ion:146 Resp: 1038750
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.0 60.0
 148 66.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 52.716 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion:146 Resp: 972157
 Ion Ratio Lower Upper
 146 100
 111 34.7 19.7 59.0
 148 65.3 32.1 96.3





#89

n-Butylbenzene

Concen: 52.507 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

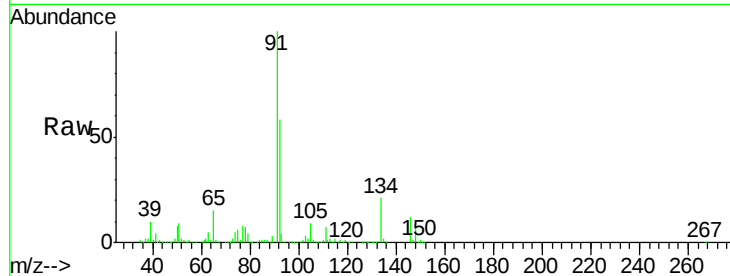
Tot Ion: 91 Resp: 1740780

Ion Ratio Lower Upper

91 100

92 58.4 30.8 92.3

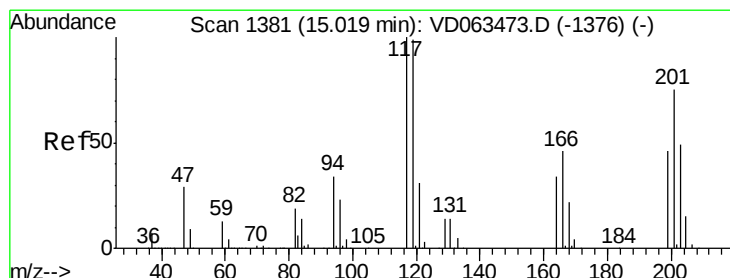
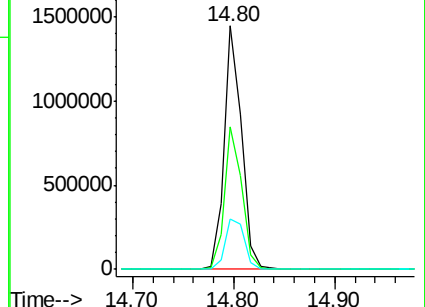
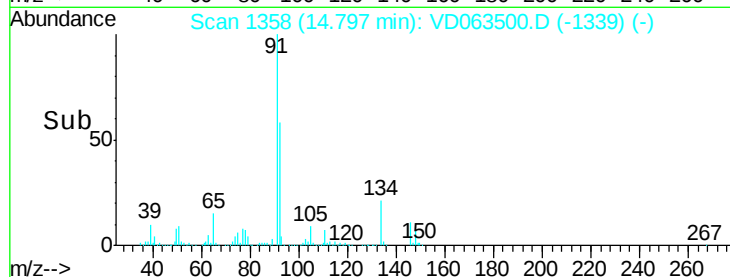
134 20.8 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1355) (-)

Ion 92.00 (91.70 to 92.70): VD063473.D (-1355) (-)

Ion 134.10 (133.80 to 134.80): VD063473.D (-1355) (-)



#90

Hexachloroethane

Concen: 53.875 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063500.D

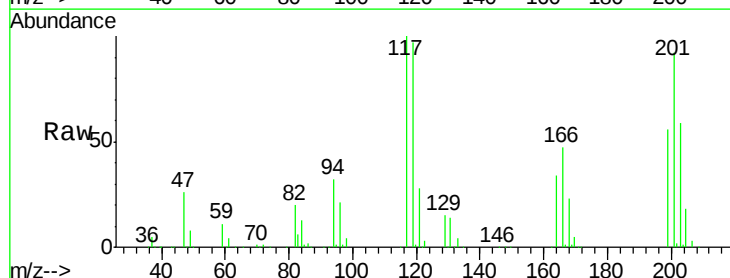
Acq: 12 Aug 2019 20:59

Tgt Ion: 117 Resp: 491897

Ion Ratio Lower Upper

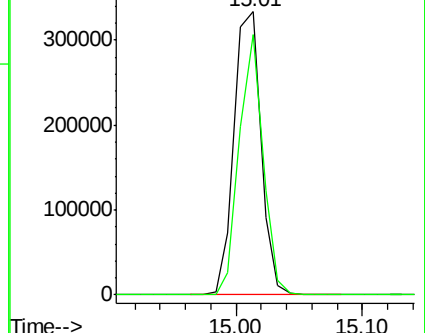
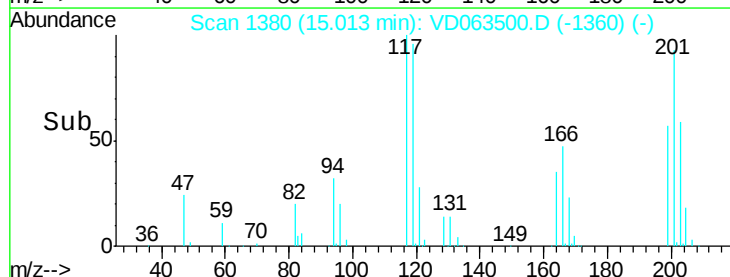
117 100

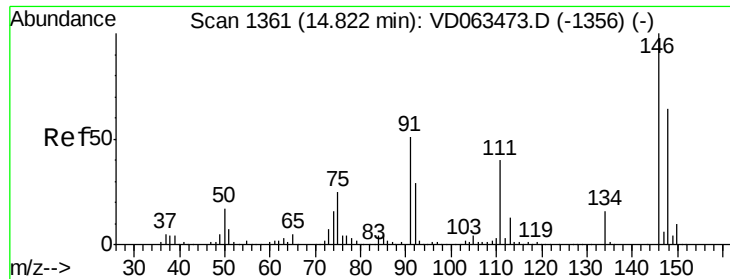
201 92.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VD063473.D (-1376) (-)

Ion 200.75 (200.45 to 201.45): VD063473.D (-1376) (-)

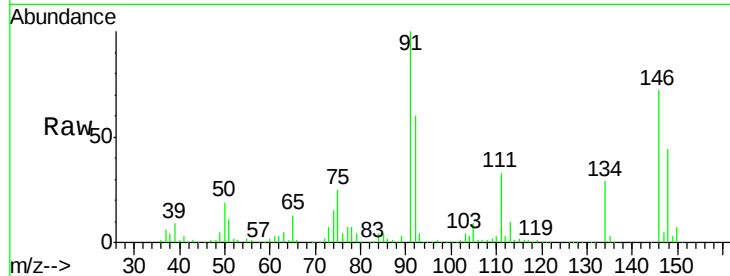




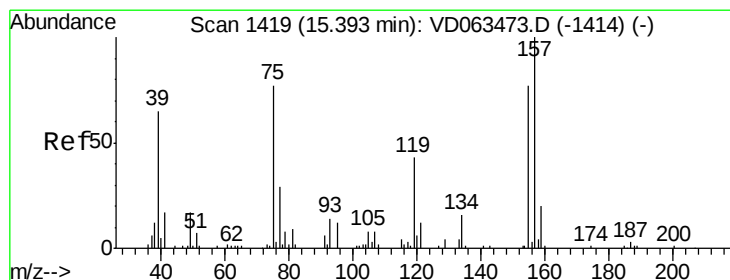
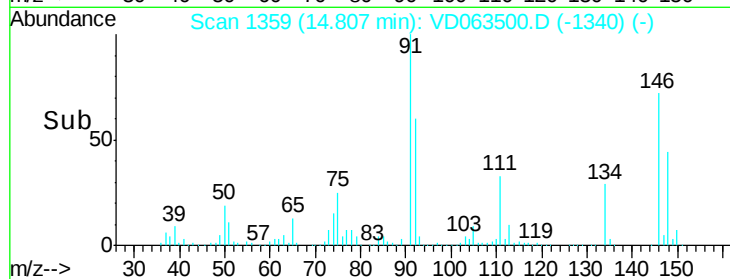
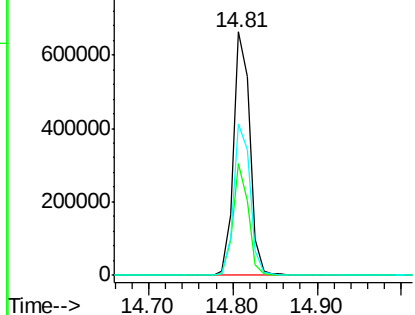
#91
 1,2-Dichlorobenzene
 Concen: 54.608 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 890534
 Ion Ratio Lower Upper
 146 100
 111 45.8 20.2 60.6
 148 62.0 32.1 96.5

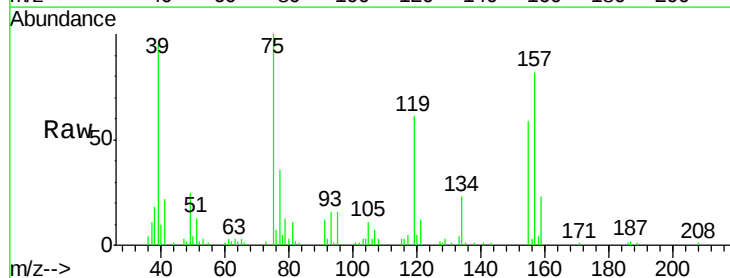


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

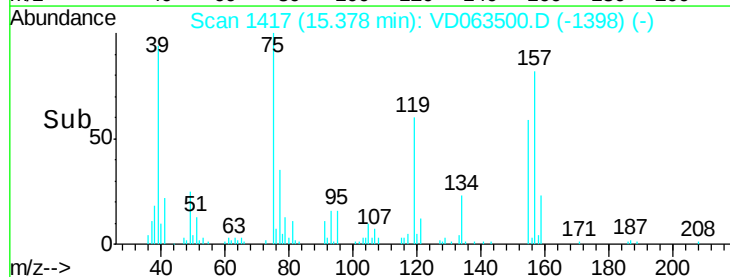
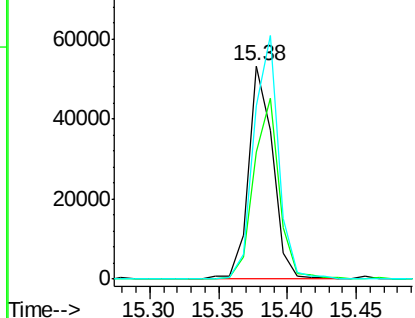


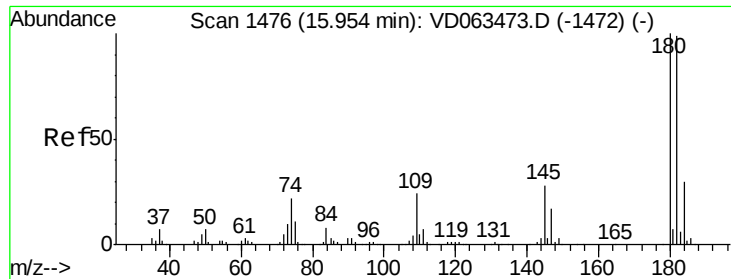
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.846 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion: 75 Resp: 65432
 Ion Ratio Lower Upper
 75 100
 155 59.5 50.1 150.3
 157 81.6 65.0 195.1



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

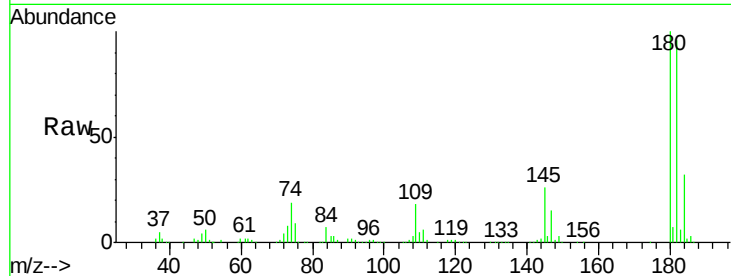




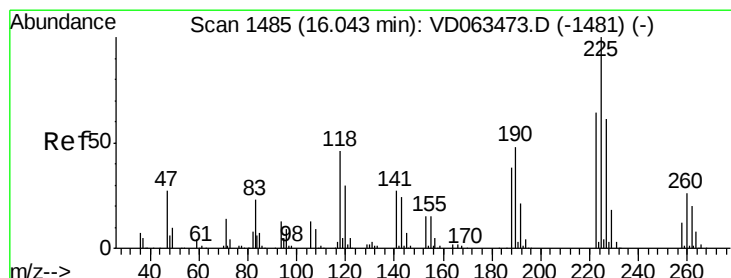
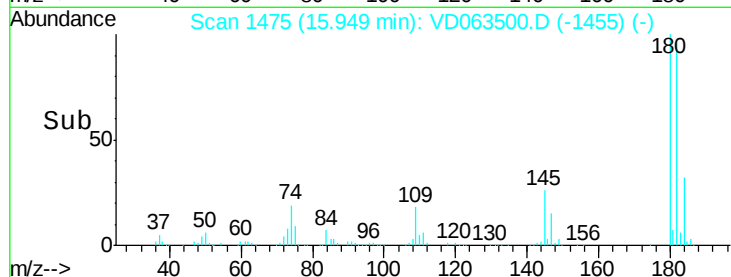
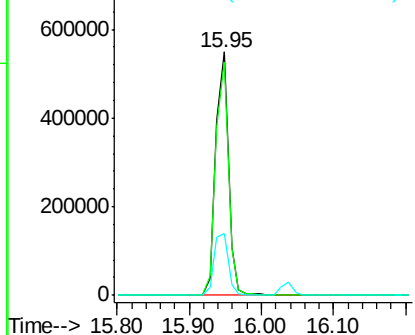
#93
 1,2,4-Trichlorobenzene
 Concen: 55.455 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 665442
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.7 149.1
 145 25.6 14.1 42.2

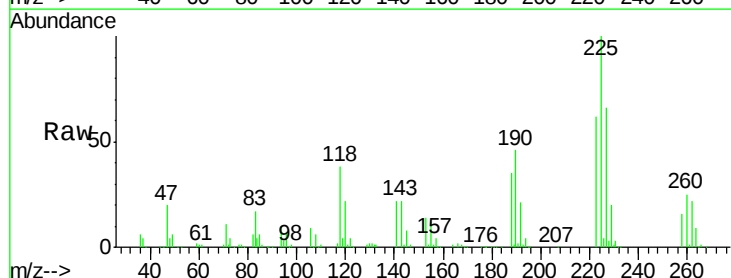


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

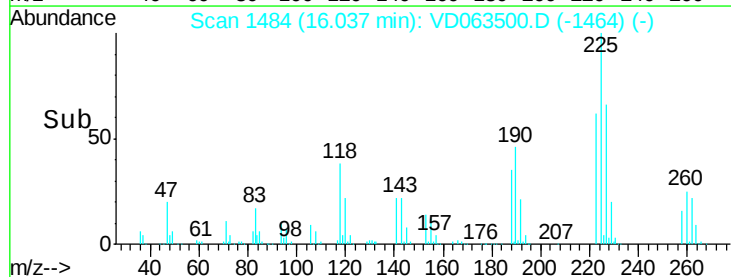
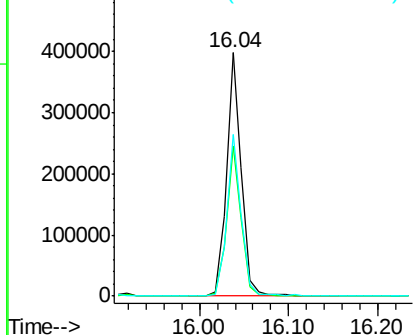


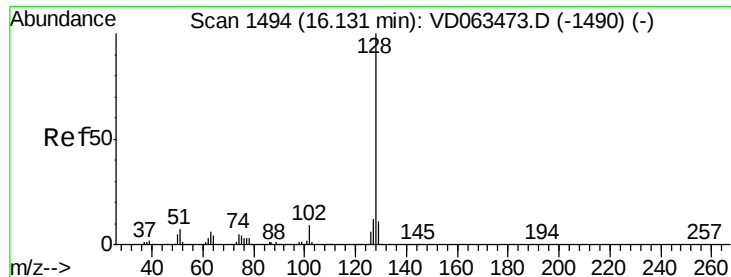
#94
 Hexachlorobutadiene
 Concen: 51.095 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063500.D
 Acq: 12 Aug 2019 20:59

Tgt Ion:225 Resp: 467288
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.5
 227 66.4 30.7 92.1



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: 54.897 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

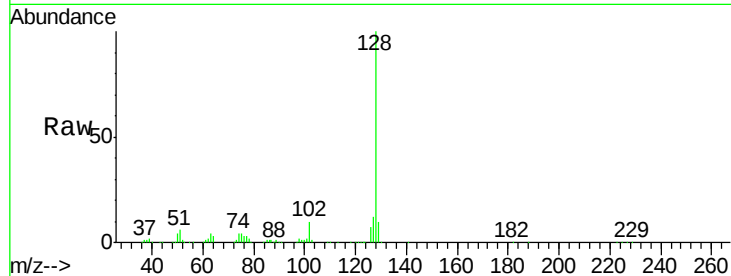
Tot Ion:128 Resp: 998342

Ion Ratio Lower Upper

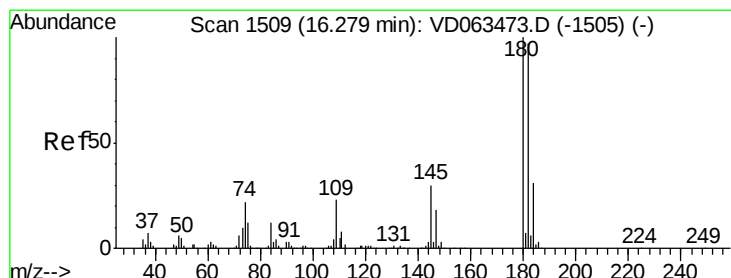
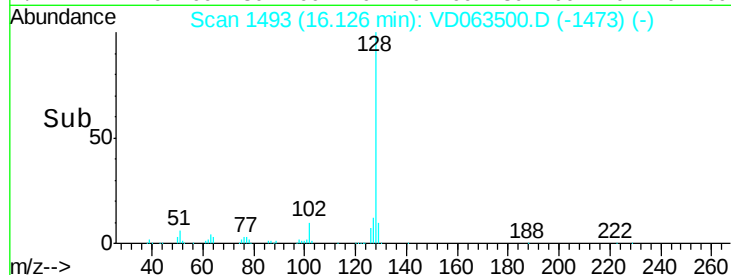
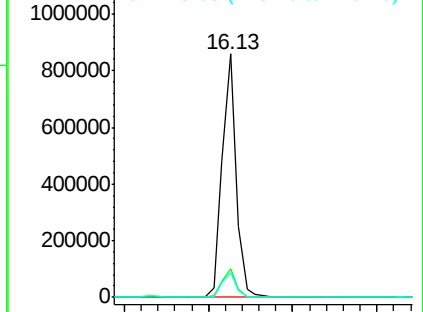
128 100

127 11.7 9.4 14.0

129 10.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.300 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063500.D

Acq: 12 Aug 2019 20:59

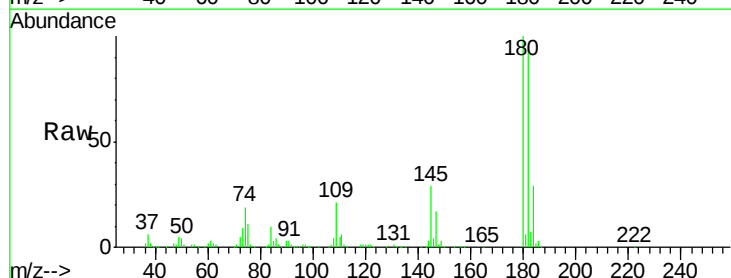
Tgt Ion:180 Resp: 497203

Ion Ratio Lower Upper

180 100

182 95.0 48.4 145.2

145 29.2 14.9 44.9



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

