

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063728.D
 Acq On : 22 Aug 2019 12:33
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 23 06:56:06 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	992338	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1380543	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1146994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	587316	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	539911	50.90	ug/l	-0.02
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	6.93	113	609298	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.41	98	1366904	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
62) 4-Bromofluorobenzene	13.55	95	574795	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	521159	43.410	ug/l	97
3) Chloromethane	1.74	50	404648	43.139	ug/l	99
4) Vinyl Chloride	1.84	62	424483	45.586	ug/l	99
5) Bromomethane	2.14	94	194169	44.192	ug/l	98
6) Chloroethane	2.25	64	200971	47.196	ug/l	98
7) Trichlorofluoromethane	2.52	101	849000	46.483	ug/l	99
8) Diethyl Ether	2.86	74	126153	48.919	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	472201	43.783	ug/l	89
10) Methyl Iodide	3.29	142	641667	42.049	ug/l #	97
11) Tert butyl alcohol	4.08	59	127157	275.376	ug/l	99
12) 1,1-Dichloroethene	3.12	96	364047	45.401	ug/l	95
13) Acrolein	3.03	56	99941	219.885	ug/l	94
14) Allyl chloride	3.61	41	600751	49.838	ug/l	98
15) Acrylonitrile	4.19	53	343858	281.139	ug/l	95
16) Acetone	3.22	43	580985	269.441	ug/l	97
17) Carbon Disulfide	3.36	76	1067086	42.166	ug/l	98
18) Methyl Acetate	3.64	43	193877	47.469	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	871286	54.333	ug/l	95
20) Methylene Chloride	3.81	84	423937	45.467	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	420311	49.812	ug/l	97
22) Diisopropyl ether	5.12	45	1303244	52.394	ug/l	97
23) Vinyl Acetate	5.05	43	3988497	275.818	ug/l	99
24) 1,1-Dichloroethane	4.98	63	785227	50.898	ug/l	99
25) 2-Butanone	6.07	43	576443	270.681	ug/l	99
26) 2,2-Dichloropropane	6.02	77	791284	51.494	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	485238	52.561	ug/l	98
28) Bromochloromethane	6.44	49	348468	55.731	ug/l	98
29) Tetrahydrofuran	6.45	42	247269	249.178	ug/l	96
30) Chloroform	6.66	83	947287	49.399	ug/l	96
31) Cyclohexane	6.96	56	445827	46.549	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	925061	50.429	ug/l	97
36) 1,1-Dichloropropene	7.14	75	567527	46.502	ug/l	96
37) Ethyl Acetate	6.18	43	262850	51.398	ug/l #	95
38) Carbon Tetrachloride	7.10	117	962980	52.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	510049	49.148	ug/l	97
40) Benzene	7.45	78	1356360	50.502	ug/l	96
41) Methacrylonitrile	6.45	41	334771	51.991	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	679202	50.294	ug/l	99
43) Isopropyl Acetate	9.24	43	384359	56.117	ug/l	99
44) Trichloroethene	8.54	130	502771	48.977	ug/l	94
45) 1,2-Dichloropropane	8.95	63	338410	54.107	ug/l #	89
46) Dibromomethane	9.06	93	281766	52.753	ug/l	95
47) Bromodichloromethane	9.38	83	709046	51.753	ug/l	97
48) Methyl methacrylate	9.12	41	227991	49.083	ug/l	97
49) 1,4-Dioxane	9.09	88	41627	1003.473	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1256213	268.034	ug/l	98
52) Toluene	10.51	92	847553	48.995	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	575788	51.497	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	597193	47.368	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	306033	52.372	ug/l	95
56) Ethyl methacrylate	11.04	69	337723	53.248	ug/l	97
57) 1,3-Dichloropropane	11.41	76	444631	50.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	1028052	307.030	ug/l	99
59) 2-Hexanone	11.53	43	957191	280.684	ug/l	98
60) Dibromochloromethane	11.69	129	574261	54.007	ug/l	99
61) 1,2-Dibromoethane	11.81	107	338560	47.860	ug/l	98
64) Tetrachloroethene	11.26	164	448964	50.705	ug/l	93
65) Chlorobenzene	12.40	112	1100582	51.196	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	487158	51.492	ug/l	93
67) Ethyl Benzene	12.53	91	1835970	49.118	ug/l	98
68) m/p-Xylenes	12.67	106	1391305	105.945	ug/l	100
69) o-Xylene	13.05	106	665352	52.641	ug/l	95
70) Styrene	13.07	104	1135458	50.504	ug/l	97
71) Bromoform	13.24	173	351174	54.133	ug/l	93
73) Isopropylbenzene	13.41	105	1763913	47.218	ug/l	99
74) N-amyl acetate	13.27	43	547903	58.427	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	337603	54.448	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	372041	55.195	ug/l	97
77) Bromobenzene	13.67	156	523890	51.313	ug/l	99
78) n-propylbenzene	13.78	91	2255484	51.603	ug/l	97
79) 2-Chlorotoluene	13.84	91	1334053	52.936	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1575598	48.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	96761	53.410	ug/l	97
82) 4-Chlorotoluene	13.95	91	1526846	50.383	ug/l	99
83) tert-Butylbenzene	14.19	119	1779820	51.783	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1599069	52.948	ug/l	94
85) sec-Butylbenzene	14.37	105	2015392	55.214	ug/l	98
86) p-Isopropyltoluene	14.50	119	1778369	50.955	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	961384	52.059	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	930981	52.544	ug/l	98
89) n-Butylbenzene	14.80	91	1671870	52.487	ug/l	97
90) Hexachloroethane	15.01	117	482717	55.028	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	858694	54.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58072	49.740	ug/l	97

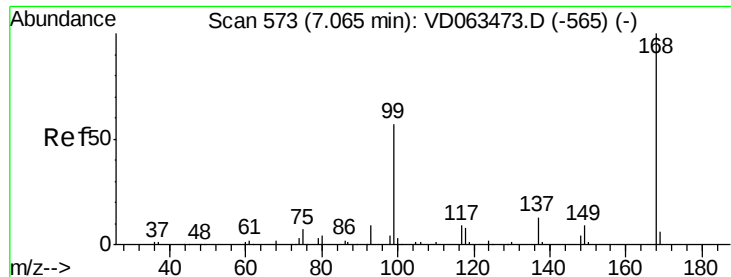
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692688	60.082	ug/l	96
94) Hexachlorobutadiene	16.04	225	471638	53.676	ug/l	95
95) Naphthalene	16.12	128	957522	54.802	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	538057	57.782	ug/l	99

(#) = 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: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

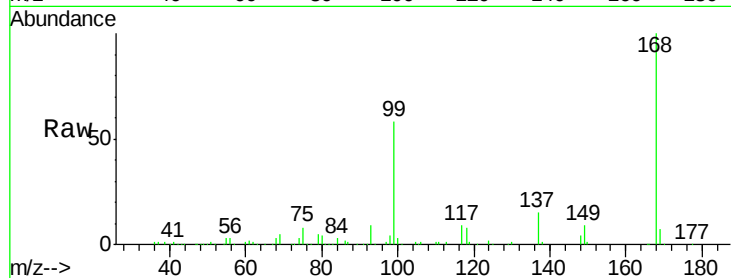
VSTDCCC050

Tot Ion:168 Resp: 992338

Ion Ratio Lower Upper

168 100

99 58.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

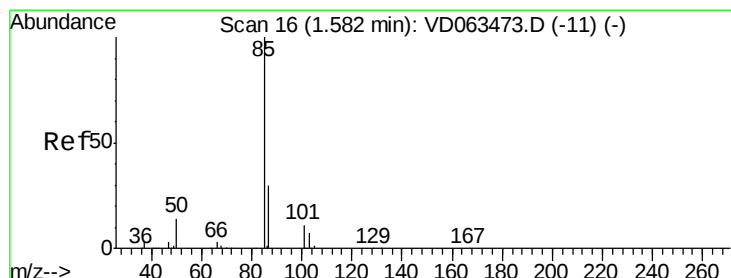
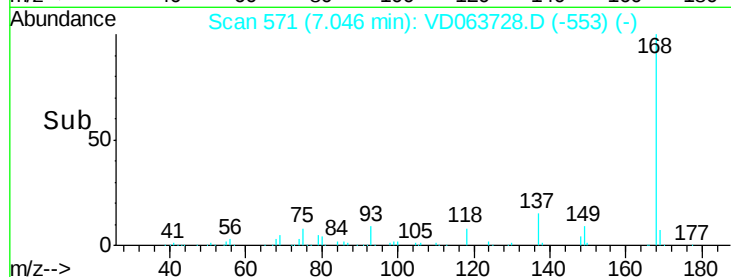
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 43.410 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063728.D

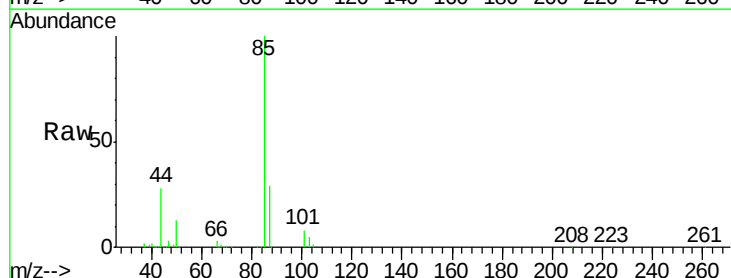
Acq: 22 Aug 2019 12:33

Tgt Ion: 85 Resp: 521159

Ion Ratio Lower Upper

85 100

87 28.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

250000

200000

150000

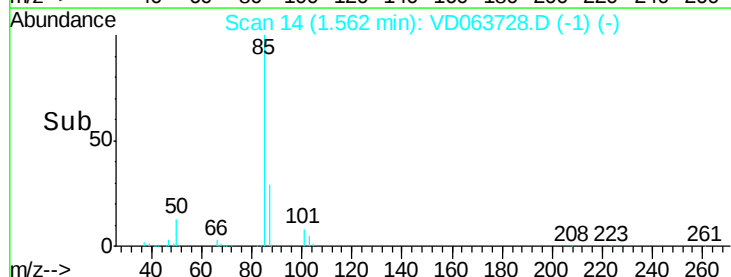
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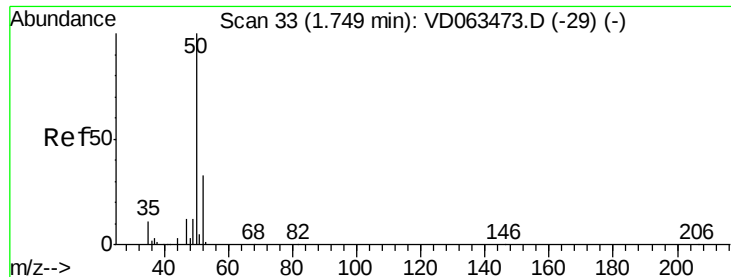
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.139 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

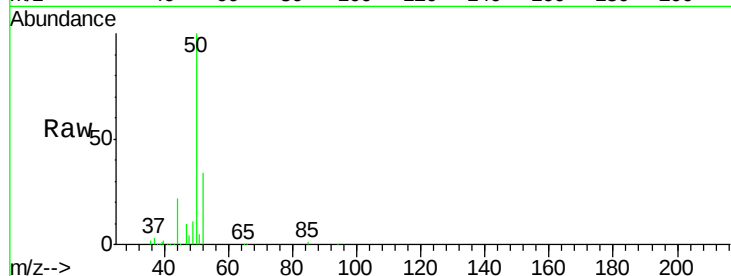
VSTDCCC050

Tot Ion: 50 Resp: 404648

Ion Ratio Lower Upper

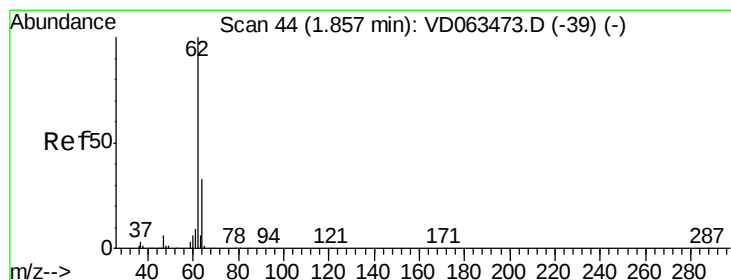
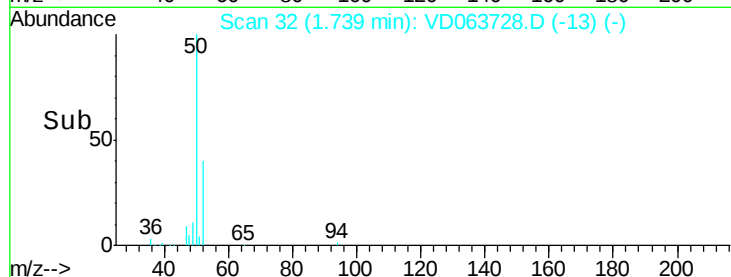
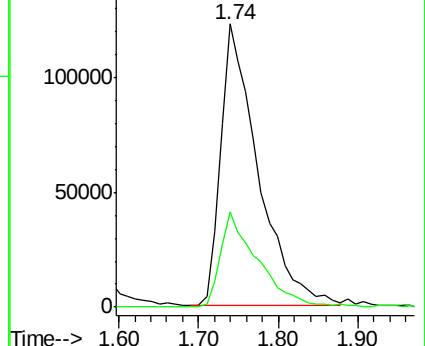
50 100

52 33.8 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: 45.586 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063728.D

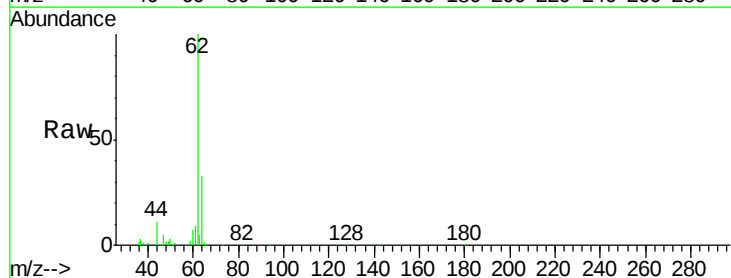
Acq: 22 Aug 2019 12:33

Tgt Ion: 62 Resp: 424483

Ion Ratio Lower Upper

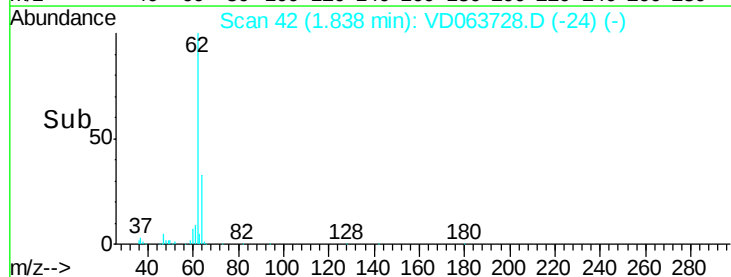
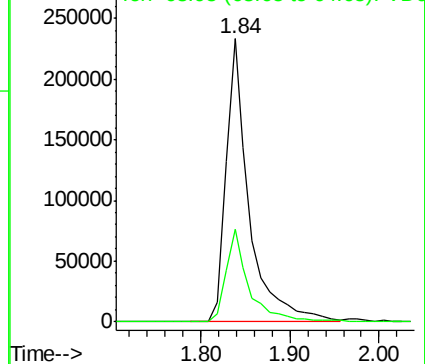
62 100

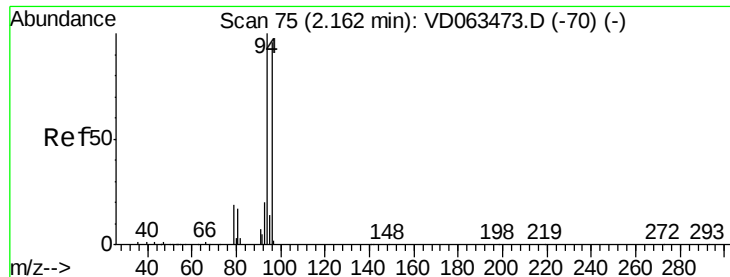
64 32.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.192 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

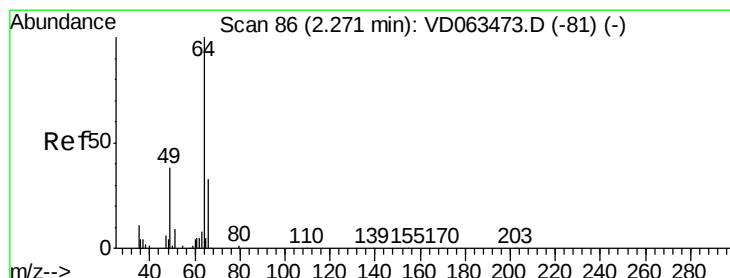
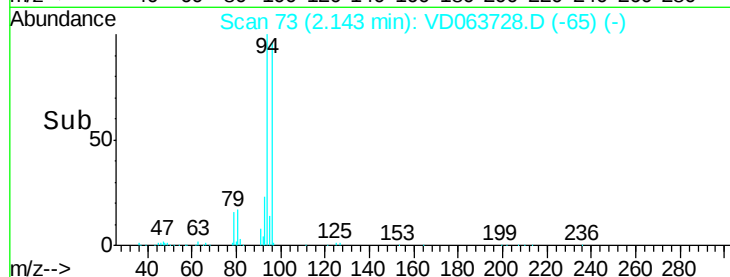
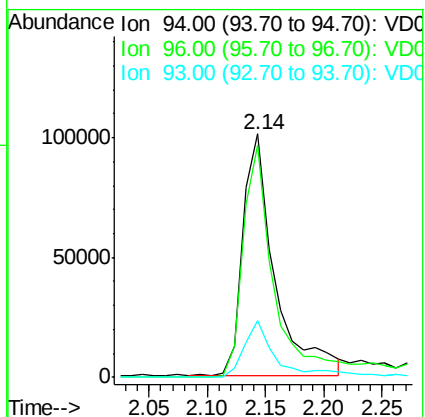
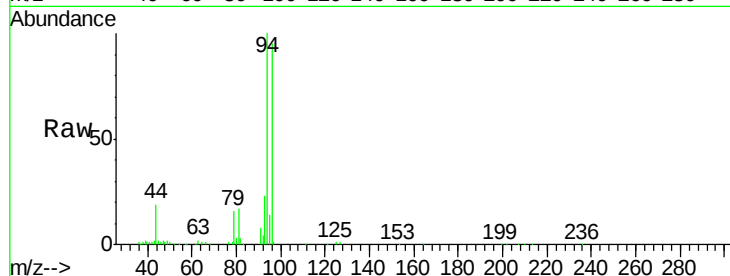
Tot Ion: 94 Resp: 194169

Ion Ratio Lower Upper

94 100

96 95.2 76.5 114.7

93 23.1 15.8 23.8



#6

Chloroethane

Concen: 47.196 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063728.D

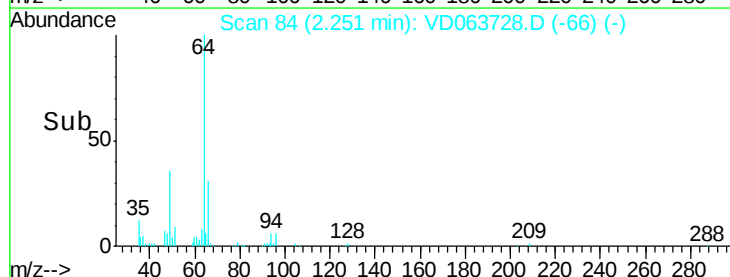
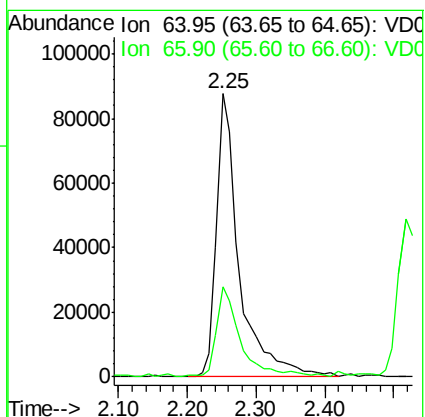
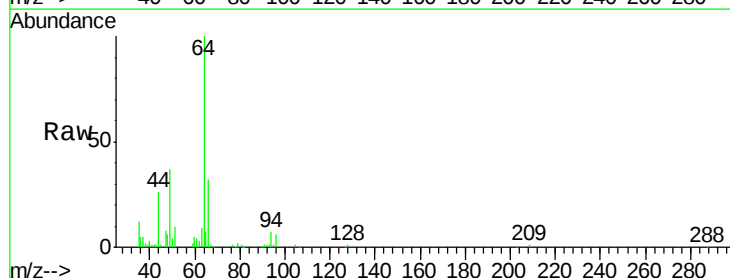
Acq: 22 Aug 2019 12:33

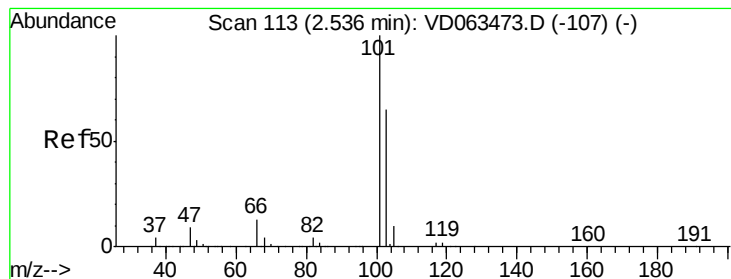
Tgt Ion: 64 Resp: 200971

Ion Ratio Lower Upper

64 100

66 31.8 26.3 39.5



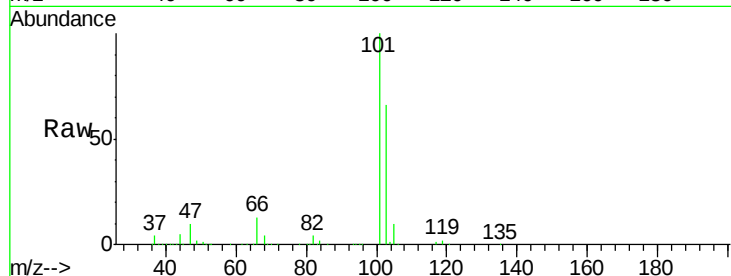


#7

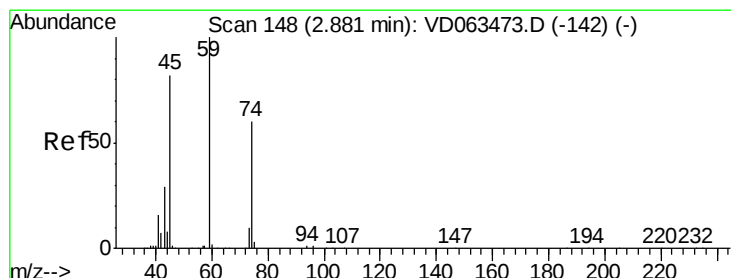
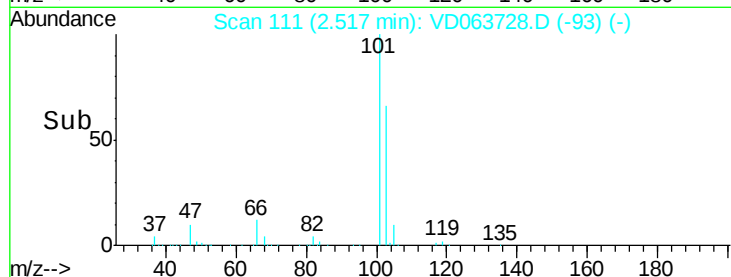
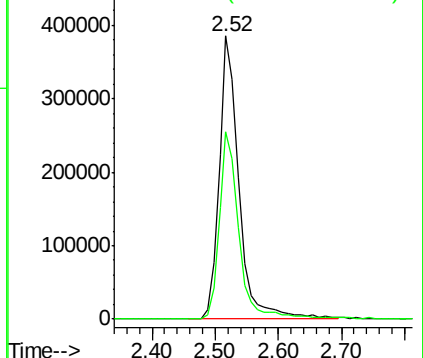
Trichlorofluoromethane
 Concen: 46.483 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 849000
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.2 78.4



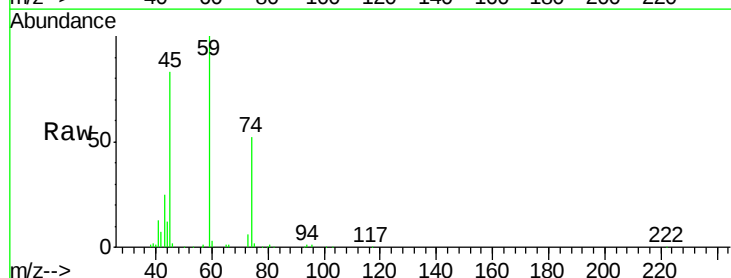
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



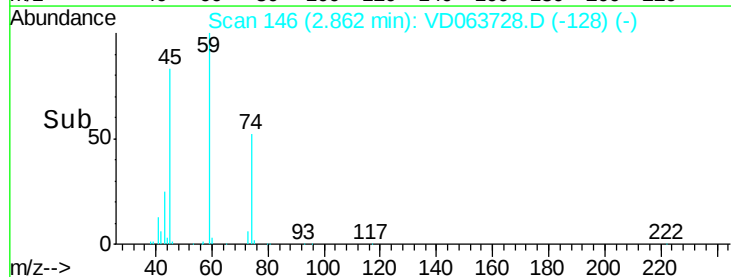
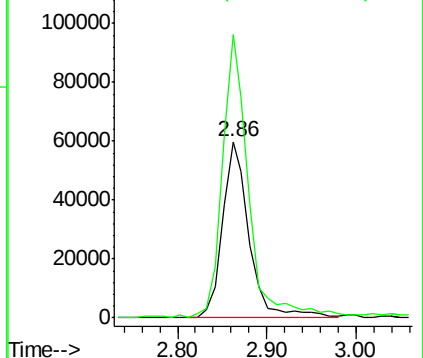
#8

Diethyl Ether
 Concen: 48.919 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion: 74 Resp: 126153
 Ion Ratio Lower Upper
 74 100
 45 160.5 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: 43.783 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

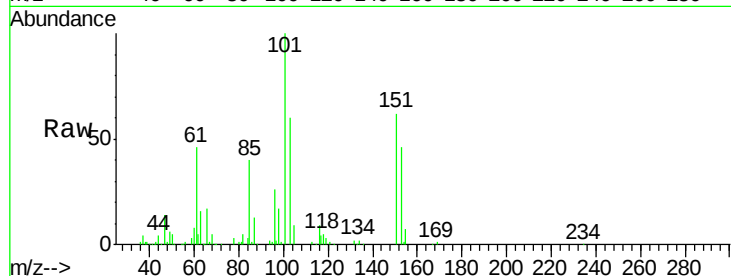
Tot Ion:101 Resp: 472201

Ion Ratio Lower Upper

101 100

85 39.7 35.8 53.6

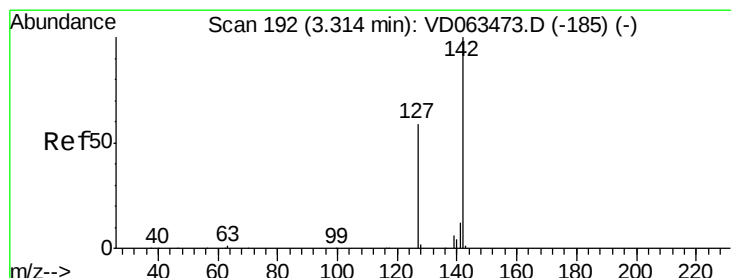
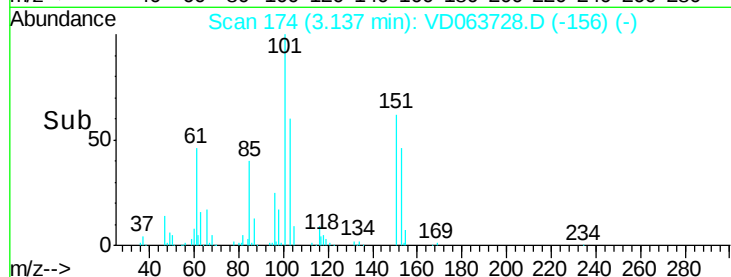
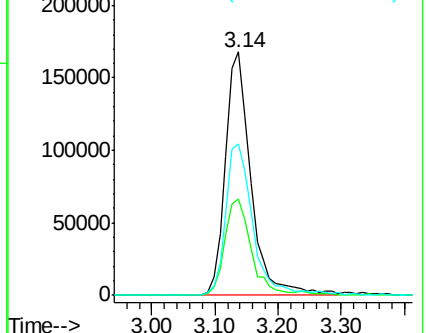
151 62.4 58.6 88.0



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: 42.049 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

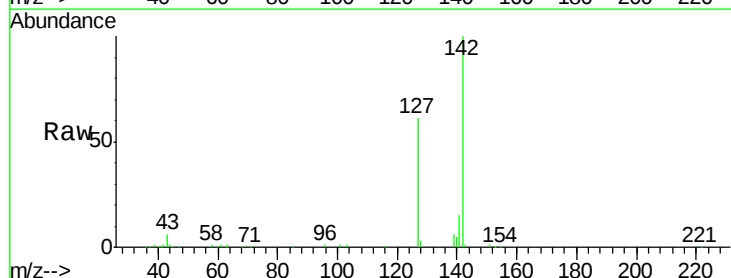
Tgt Ion:142 Resp: 641667

Ion Ratio Lower Upper

142 100

127 60.6 47.2 70.8

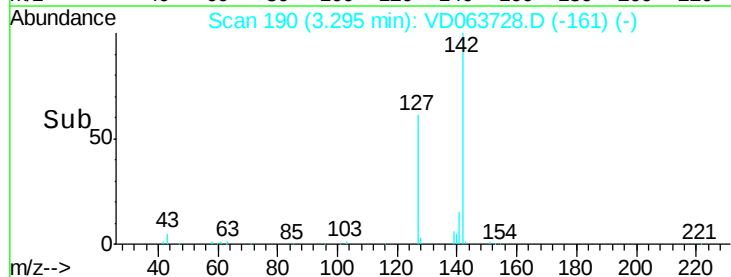
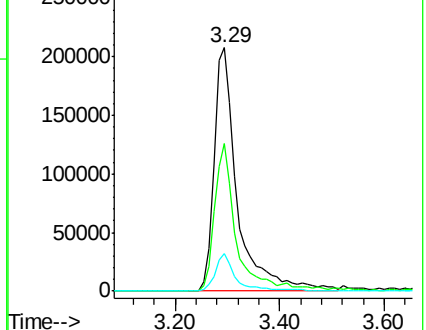
141 15.5 9.8 14.8#

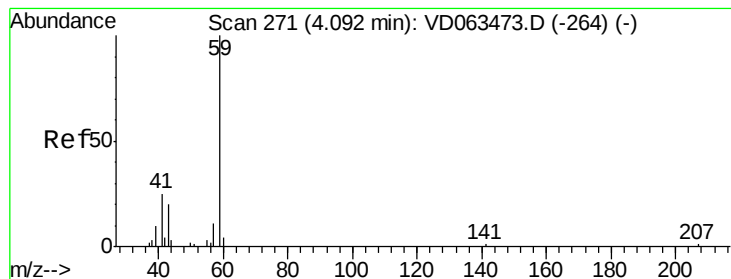


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 275.376 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

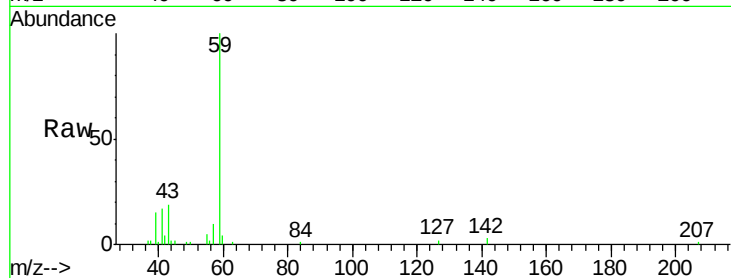
VSTDCCC050

Tot Ion: 59 Resp: 127157

Ion Ratio Lower Upper

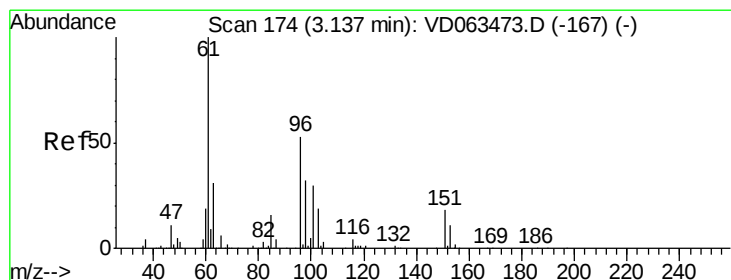
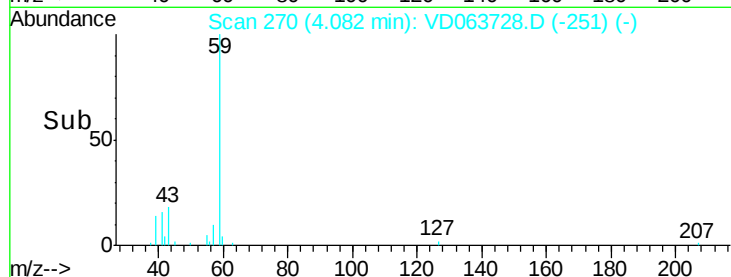
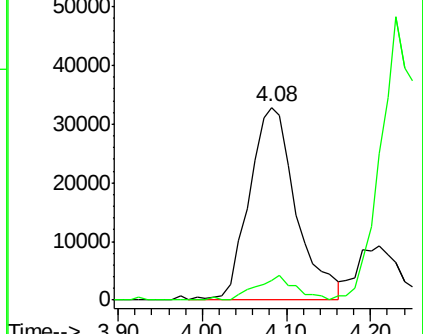
59 100

57 10.4 8.7 13.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 45.401 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

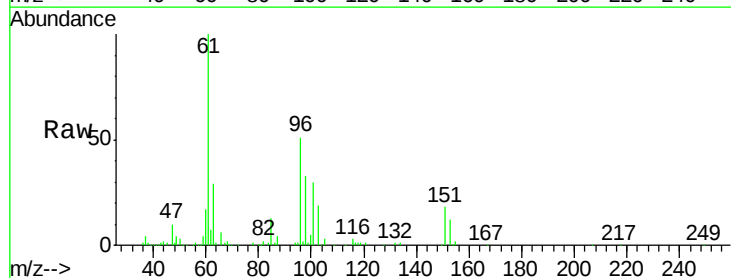
Tgt Ion: 96 Resp: 364047

Ion Ratio Lower Upper

96 100

61 195.9 151.7 227.5

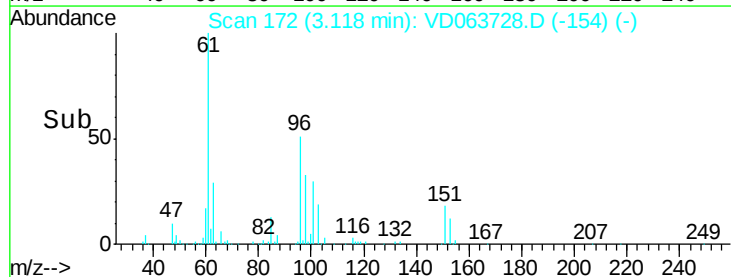
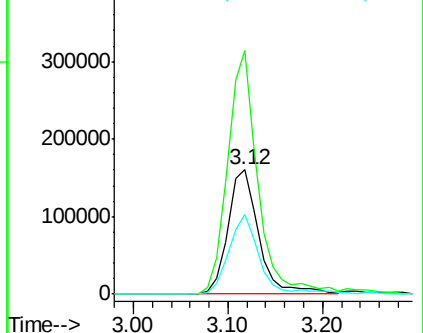
98 64.5 48.4 72.6

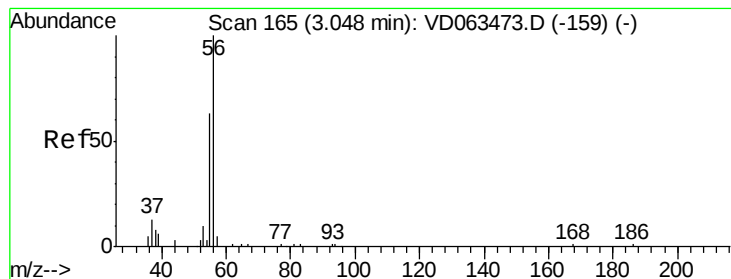


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 219.885 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

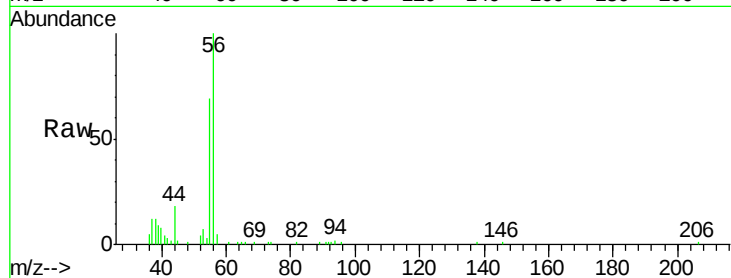
VSTDCCC050

Tot Ion: 56 Resp: 99941

Ion Ratio Lower Upper

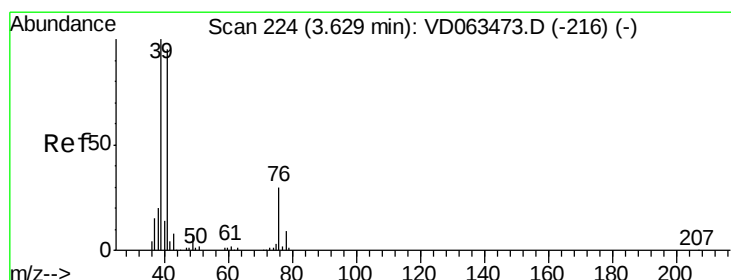
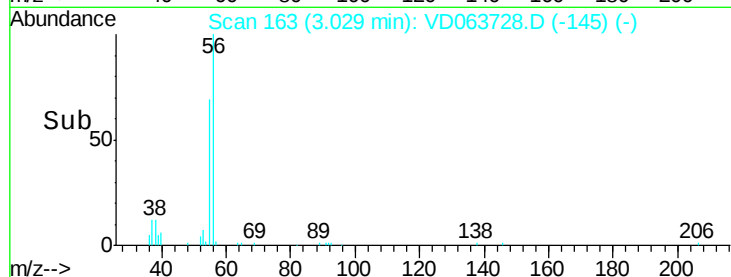
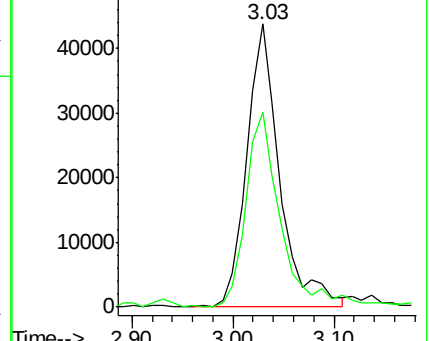
56 100

55 69.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.838 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

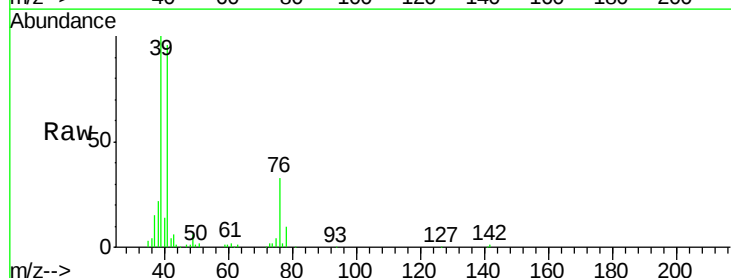
Tgt Ion: 41 Resp: 600751

Ion Ratio Lower Upper

41 100

39 103.7 84.2 126.4

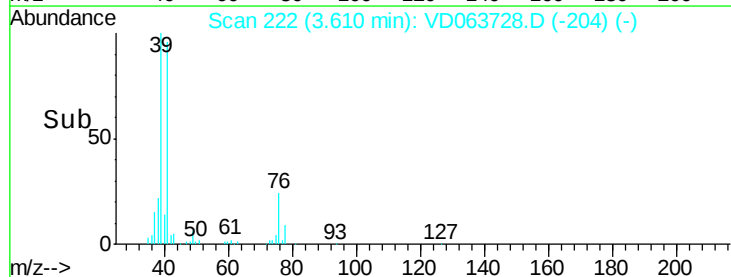
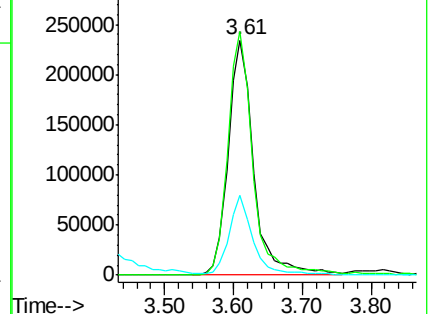
76 33.9 26.0 39.0

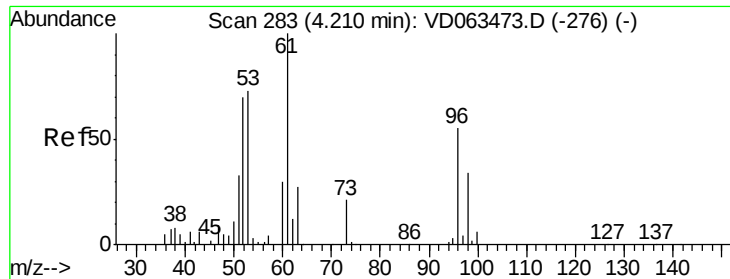


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

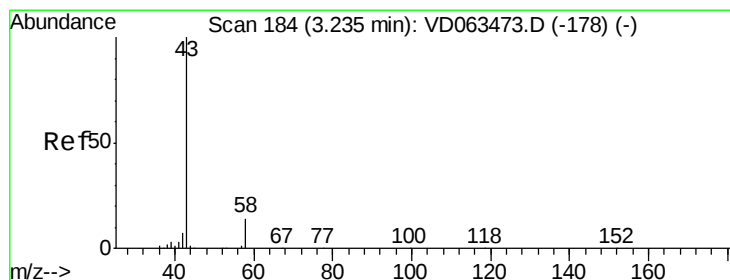
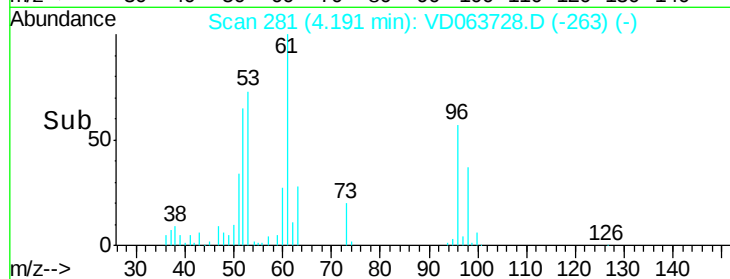
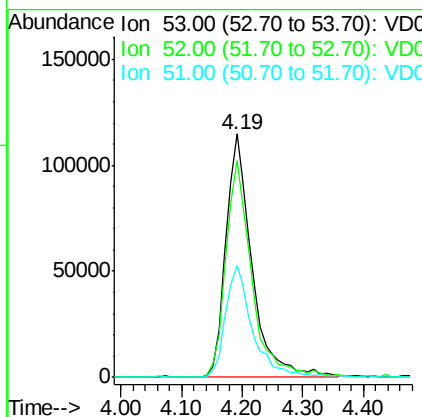
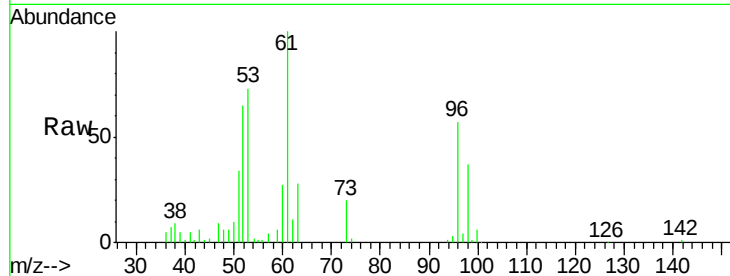




#15
 Acrylonitrile
 Concen: 281.139 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

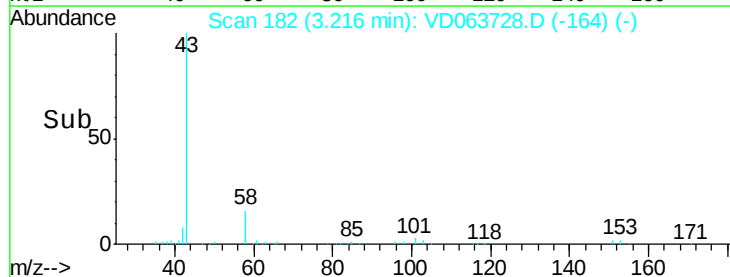
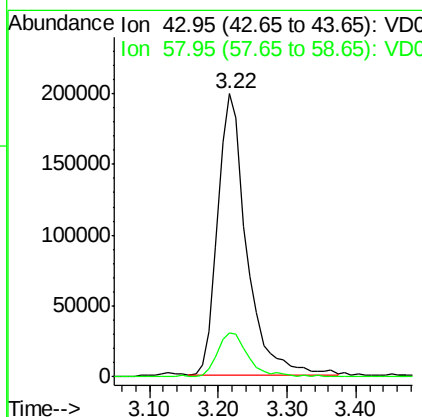
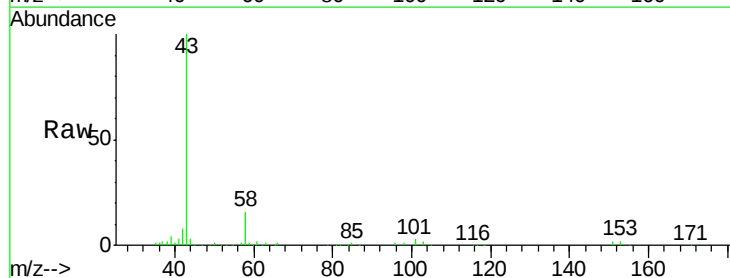
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

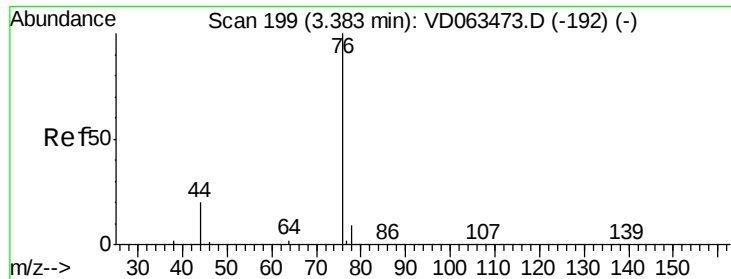
Tot Ion: 53 Resp: 343858
 Ion Ratio Lower Upper
 53 100
 52 89.0 77.4 116.0
 51 46.1 36.7 55.1



#16
 Acetone
 Concen: 269.441 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion: 43 Resp: 580985
 Ion Ratio Lower Upper
 43 100
 58 15.7 11.4 17.2

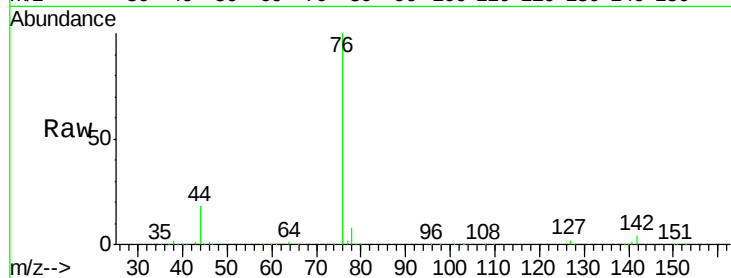




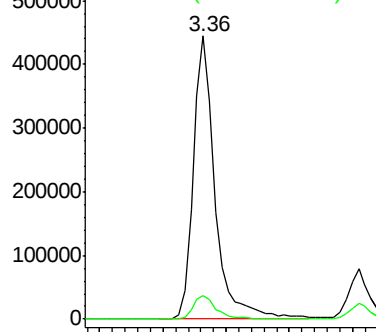
#17
Carbon Disulfide
Concen: 42.166 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

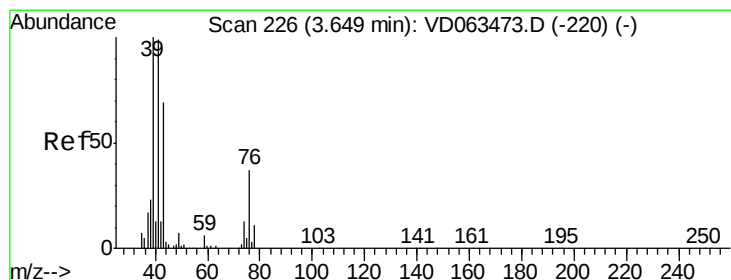
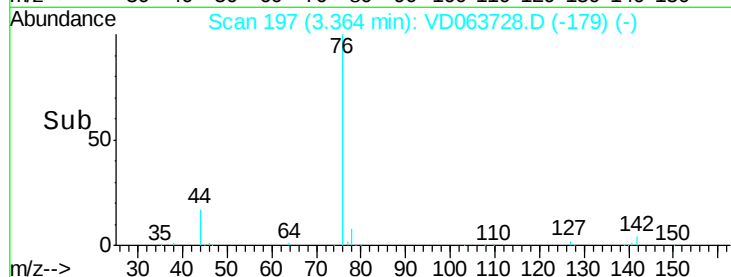
Tot Ion: 76 Resp: 1067086
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

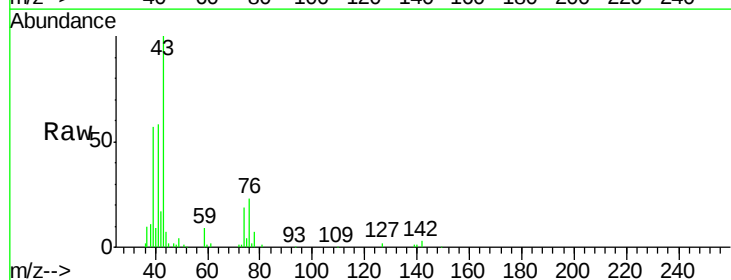


Time--> 3.20 3.30 3.40 3.50 3.60

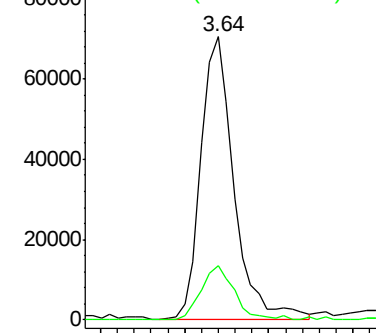


#18
Methyl Acetate
Concen: 47.469 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

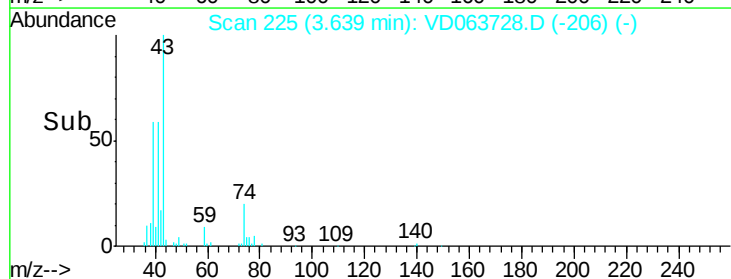
Tgt Ion: 43 Resp: 193877
Ion Ratio Lower Upper
43 100
74 19.1 15.4 23.2

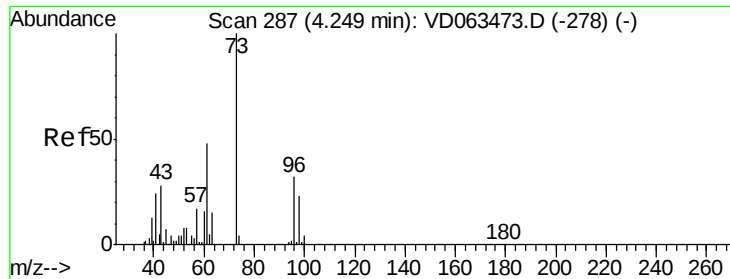


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80

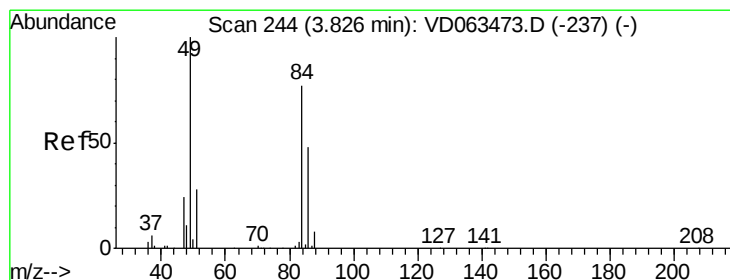
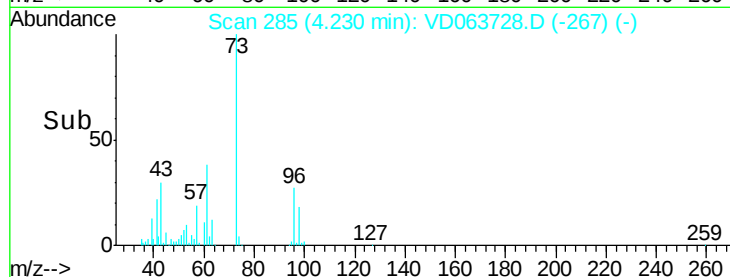
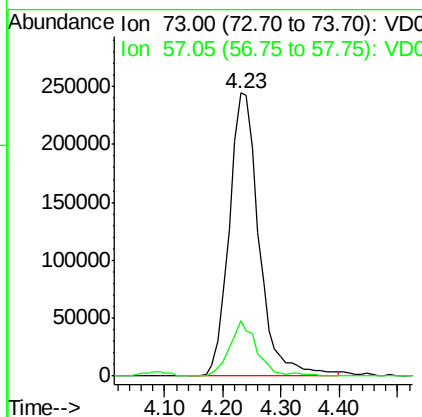
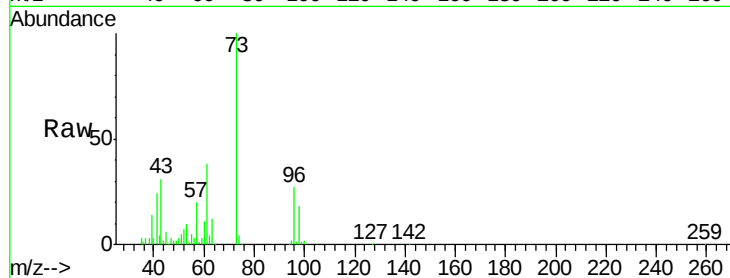




#19
Methvl tert-butvl Ether
Concen: 54.333 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

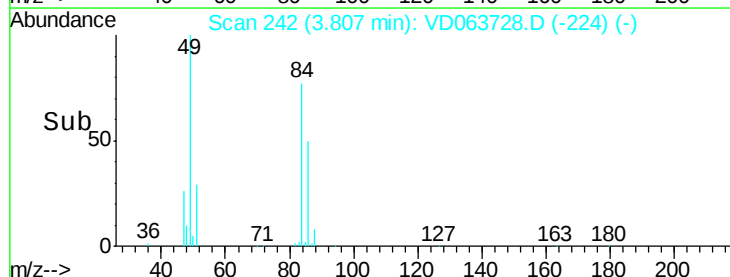
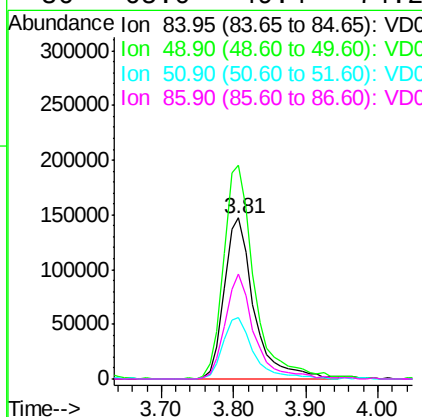
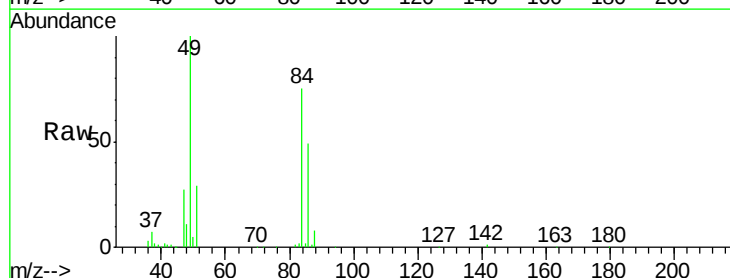
Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

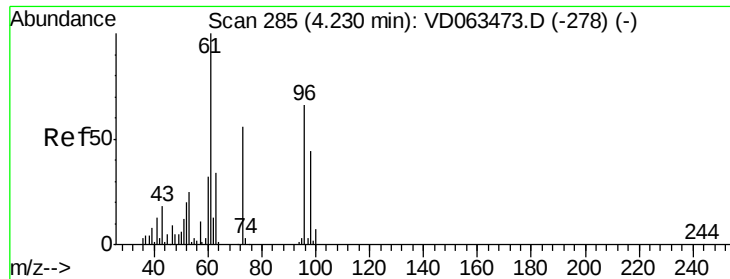
Tot Ion: 73 Resp: 871286
Ion Ratio Lower Upper
73 100
57 19.7 14.0 21.0



#20
Methylene Chloride
Concen: 45.467 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 84 Resp: 423937
Ion Ratio Lower Upper
84 100
49 132.8 103.4 155.2
51 38.3 28.5 42.7
86 65.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 49.812 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

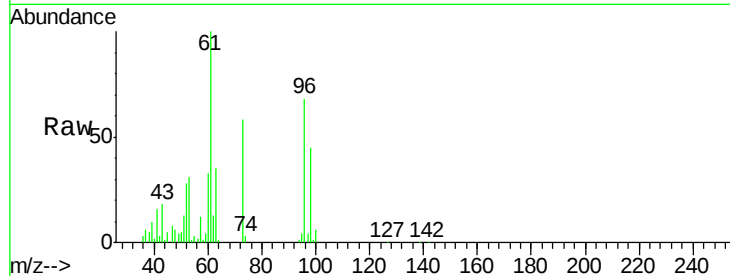
Tot Ion: 96 Resp: 420311

Ion Ratio Lower Upper

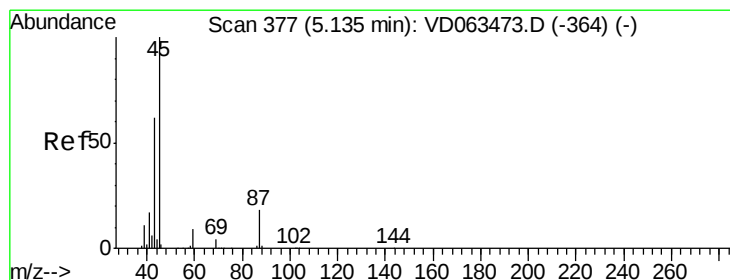
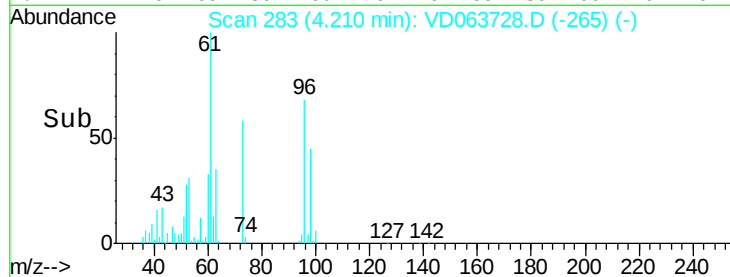
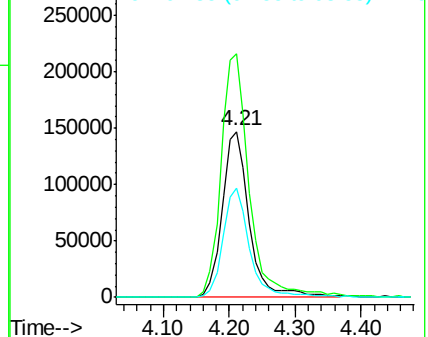
96 100

61 147.1 121.7 182.5

98 66.2 54.2 81.2



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



#22

Diisopropyl ether

Concen: 52.394 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Tgt Ion: 45 Resp: 1303244

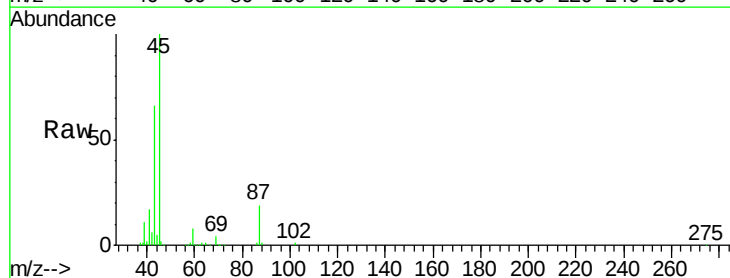
Ion Ratio Lower Upper

45 100

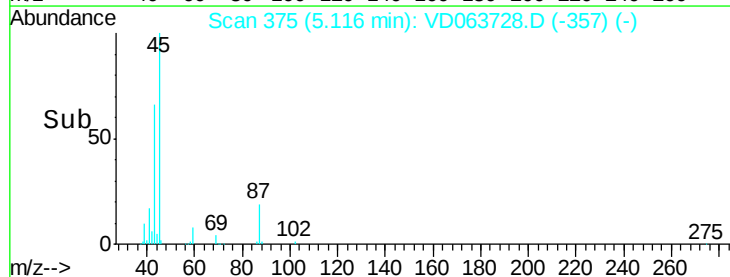
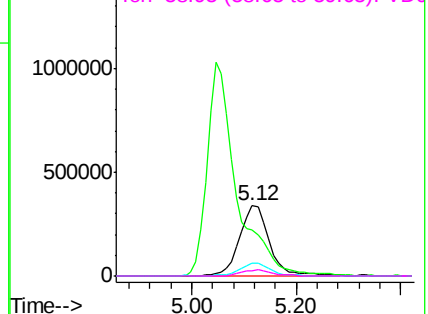
43 65.6 50.3 75.5

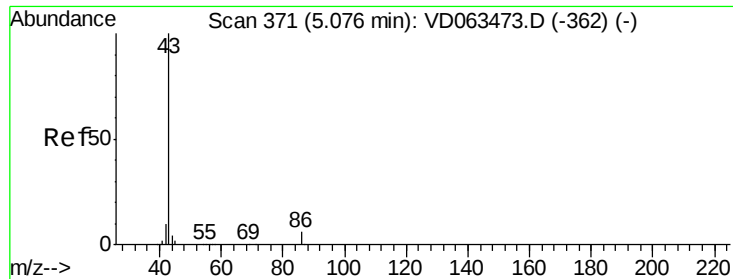
87 19.0 14.3 21.5

59 8.1 7.7 11.5



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





#23

Vinyl Acetate

Concen: 275.818 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

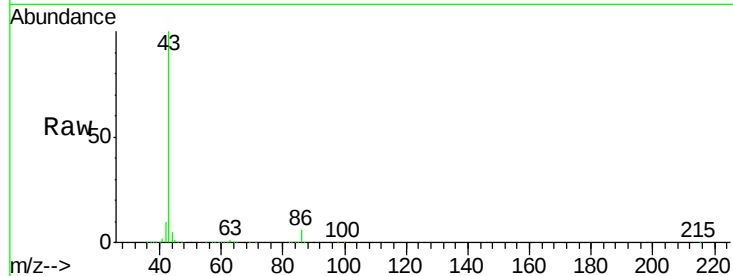
VSTDCCC050

Tot Ion: 43 Resp: 3988497

Ion Ratio Lower Upper

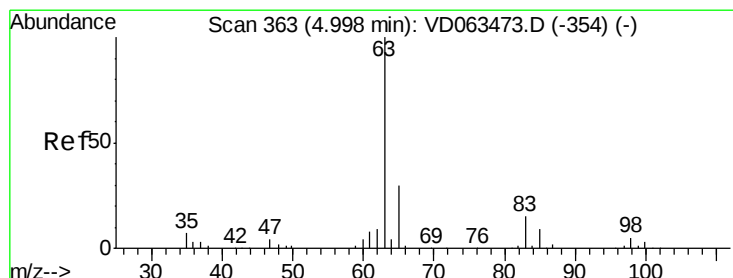
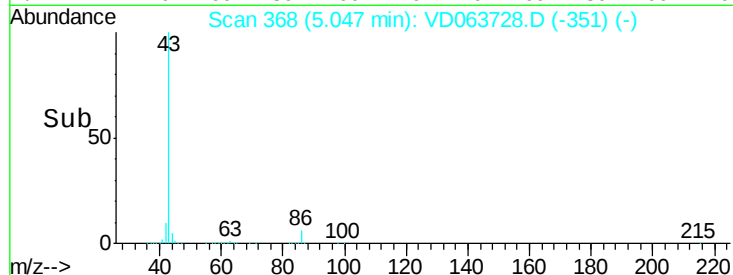
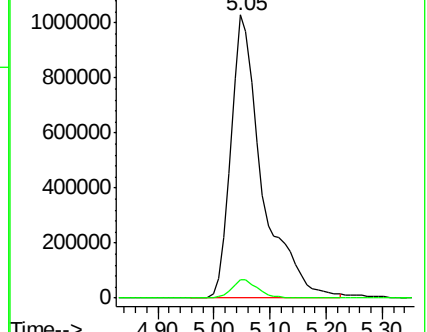
43 100

86 6.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.898 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

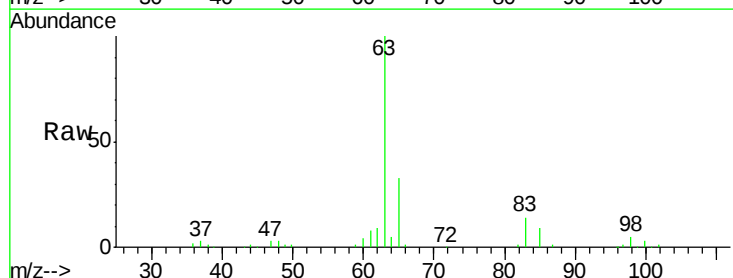
Tgt Ion: 63 Resp: 785227

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

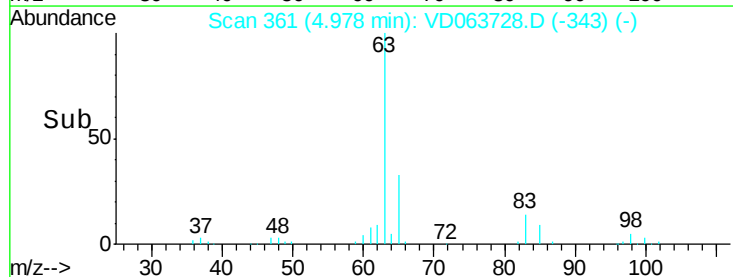
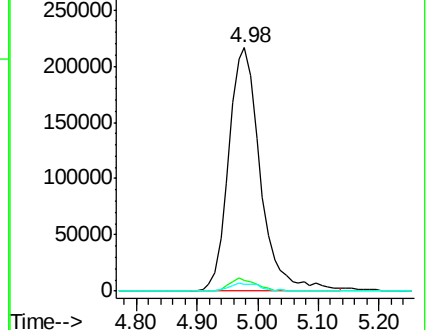
100 3.1 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 270.681 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

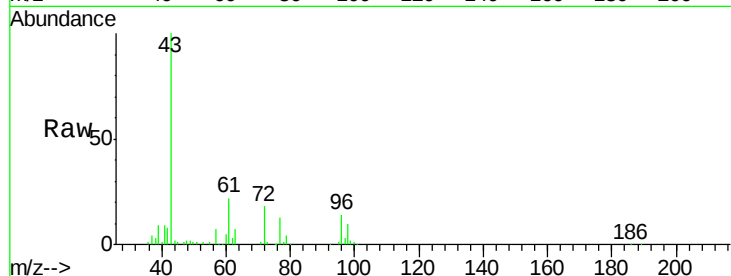
VSTDCCC050

Tot Ion: 43 Resp: 576443

Ion Ratio Lower Upper

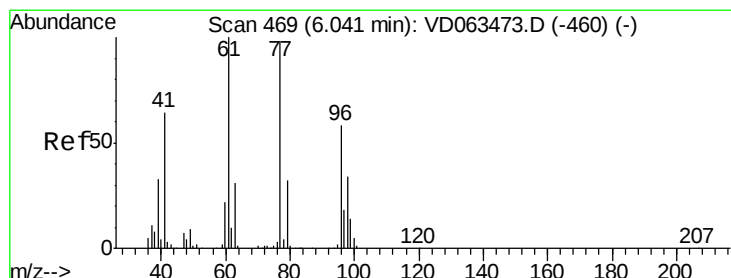
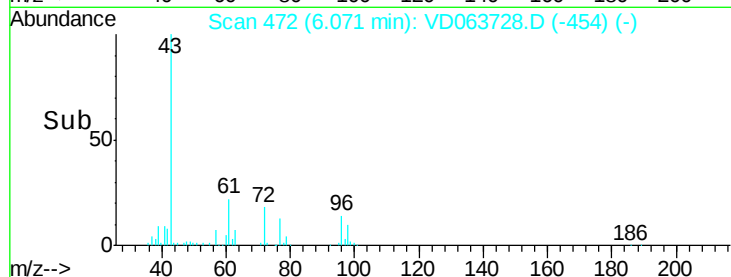
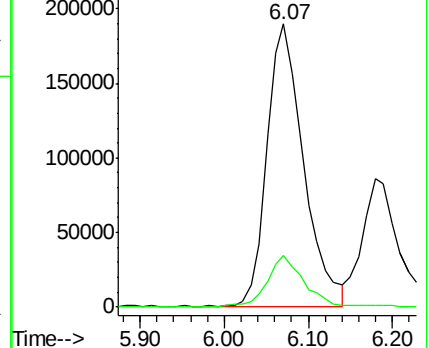
43 100

72 18.3 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.494 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063728.D

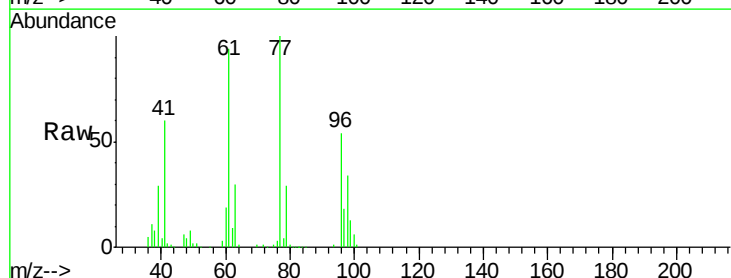
Acq: 22 Aug 2019 12:33

Tgt Ion: 77 Resp: 791284

Ion Ratio Lower Upper

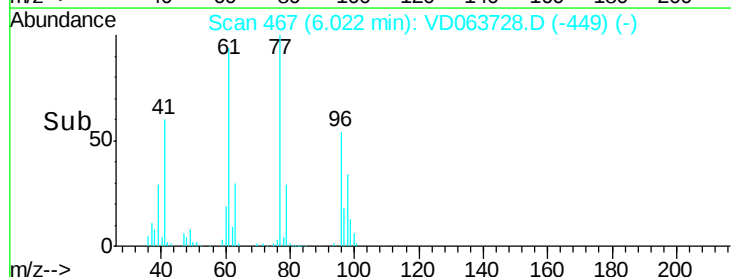
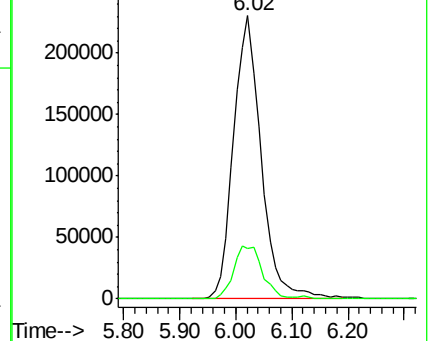
77 100

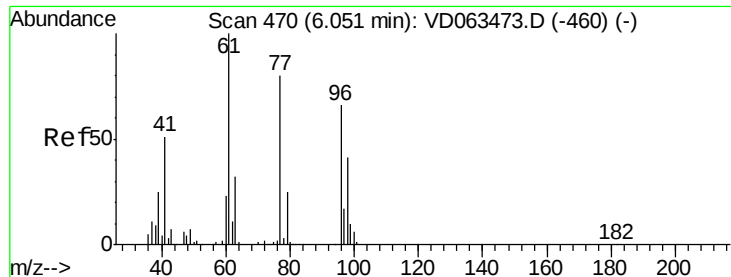
97 17.7 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



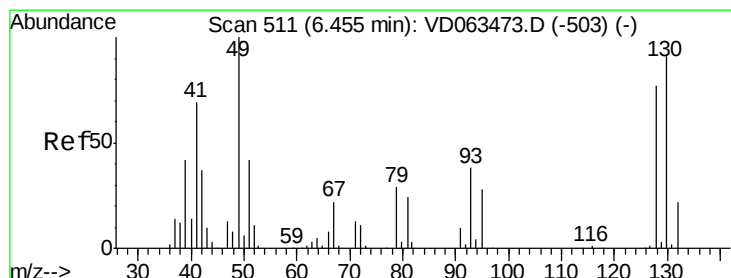
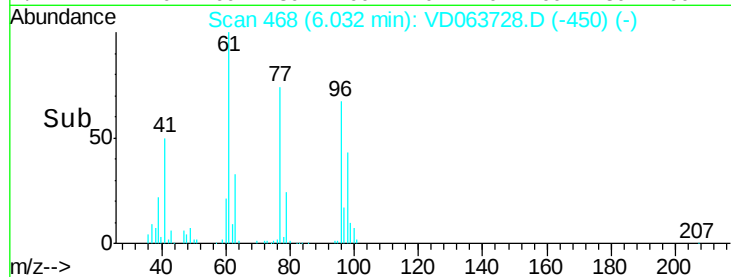
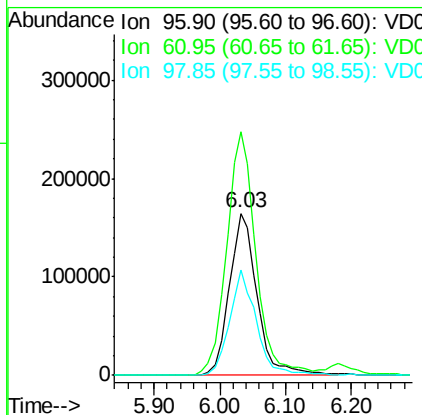
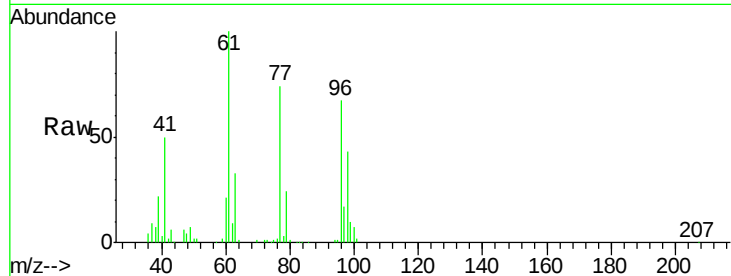


#27

cis-1,2-Dichloroethene
 Concen: 52.561 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

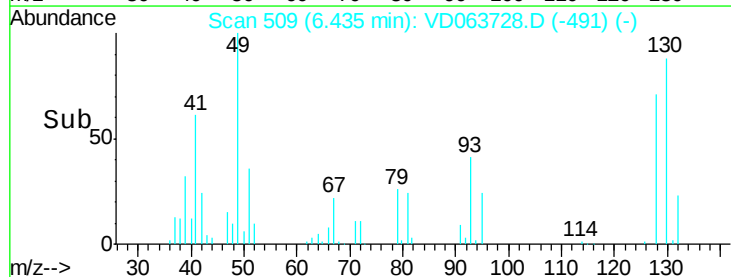
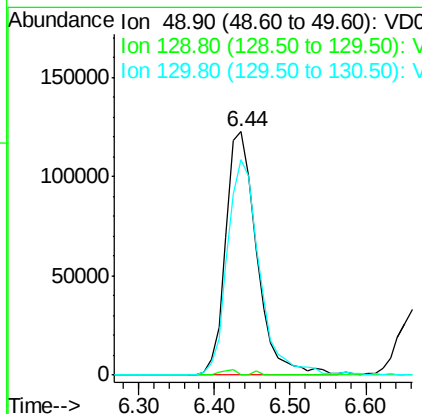
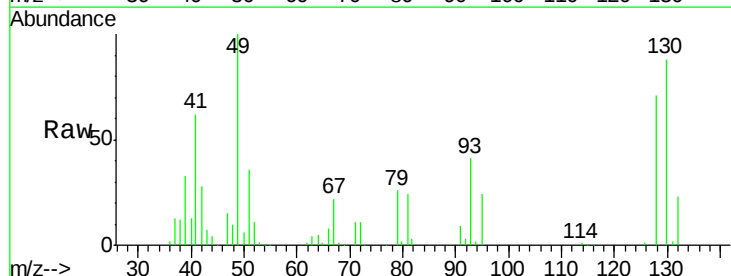
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	304.0
98	65.3	0.0	124.8

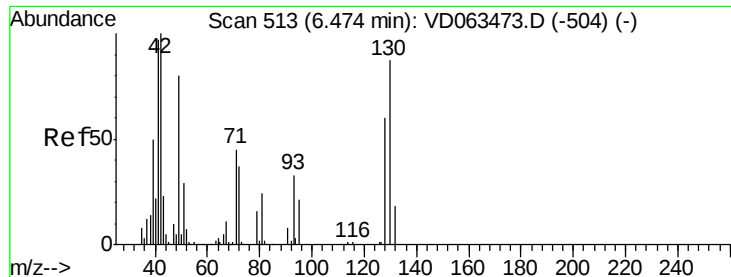


#28

Bromochloromethane
 Concen: 55.731 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	88.5	72.4	108.6

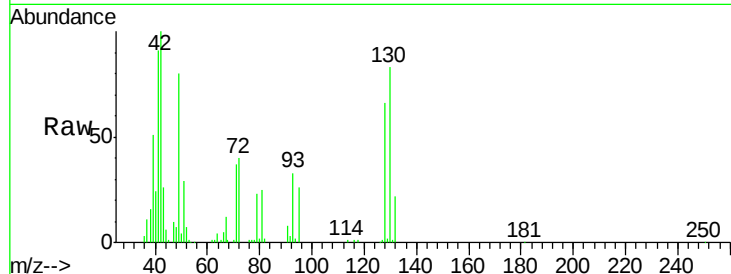




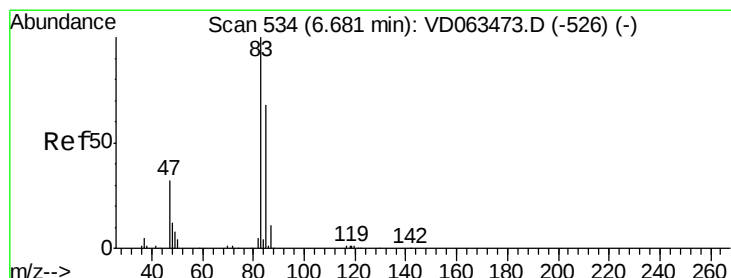
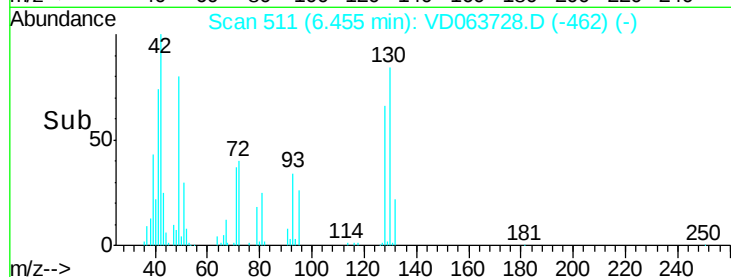
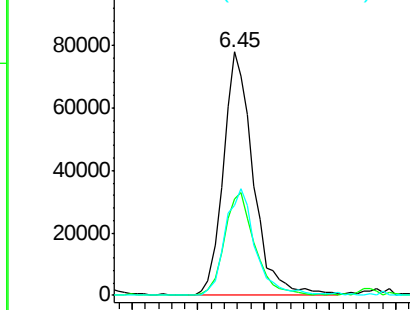
#29
Tetrahydrofuran
Concen: 249.178 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 247269
Ion Ratio Lower Upper
42 100
72 42.9 31.5 47.3
71 44.5 33.8 50.8

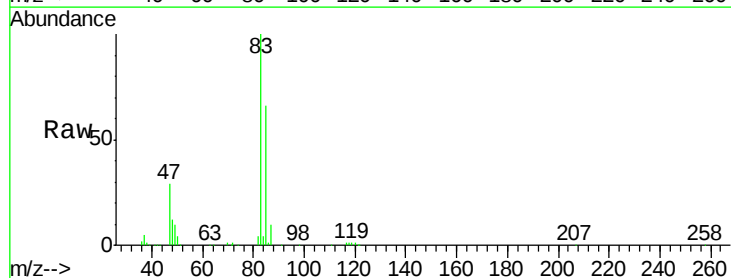


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

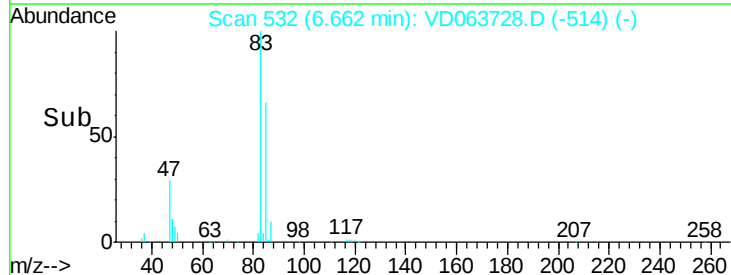
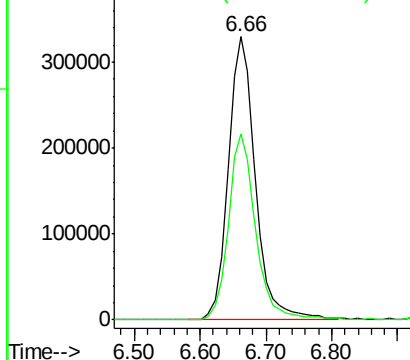


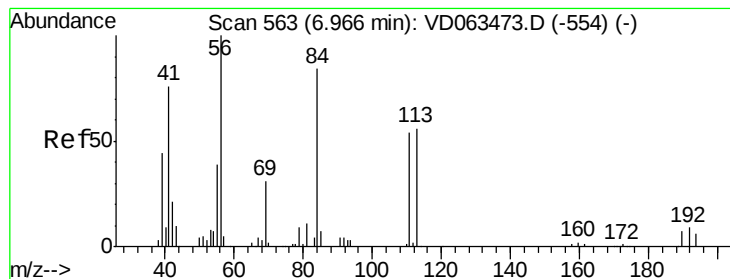
#30
Chloroform
Concen: 49.399 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 83 Resp: 947287
Ion Ratio Lower Upper
83 100
85 65.5 54.8 82.2



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





#31

Cyclohexane

Concen: 46.549 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

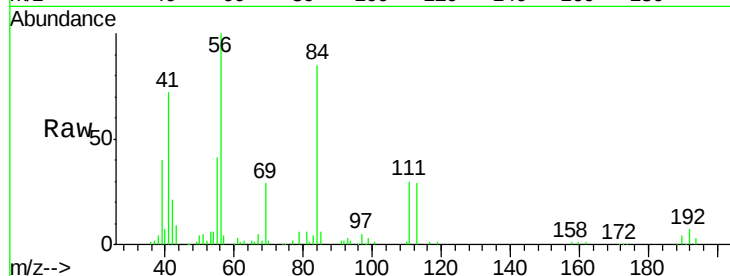
Tot Ion: 56 Resp: 445827

Ion Ratio Lower Upper

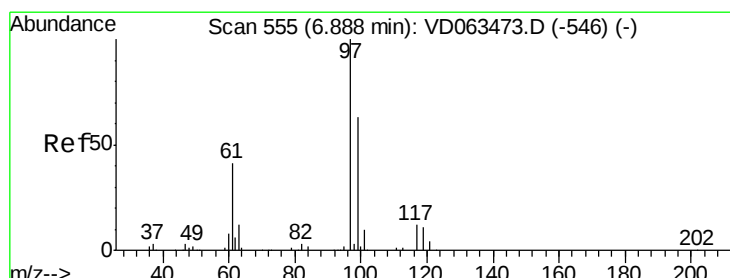
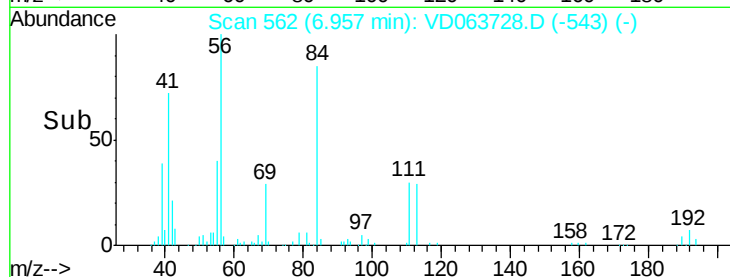
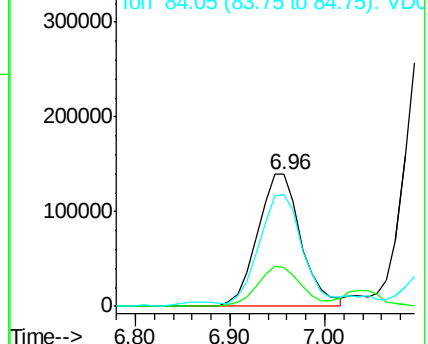
56 100

69 29.2 25.0 37.6

84 85.2 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 50.429 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

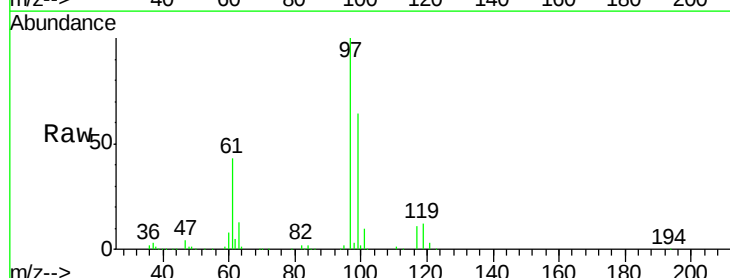
Tgt Ion: 97 Resp: 925061

Ion Ratio Lower Upper

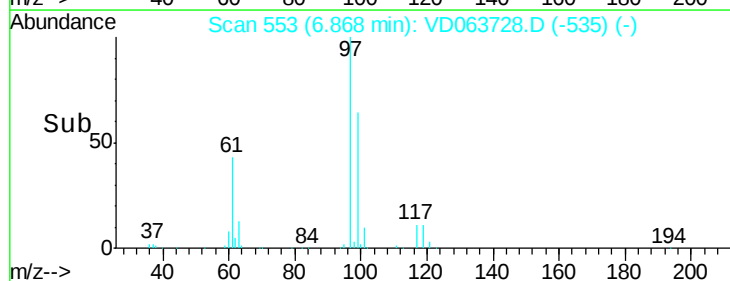
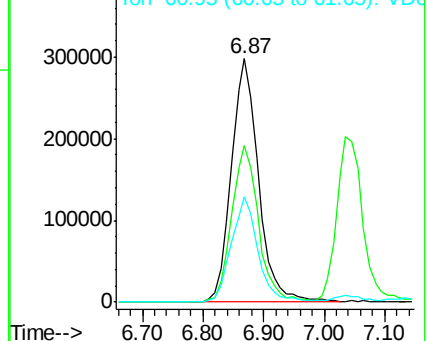
97 100

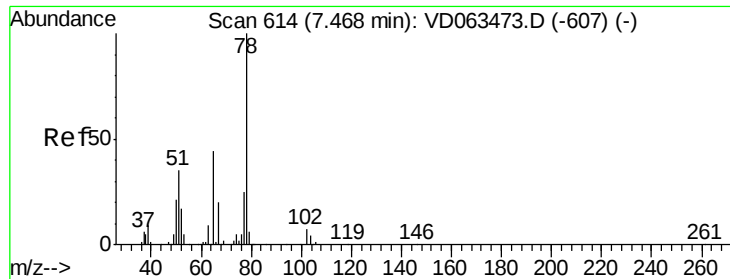
99 64.3 50.2 75.4

61 43.5 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 50.900 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

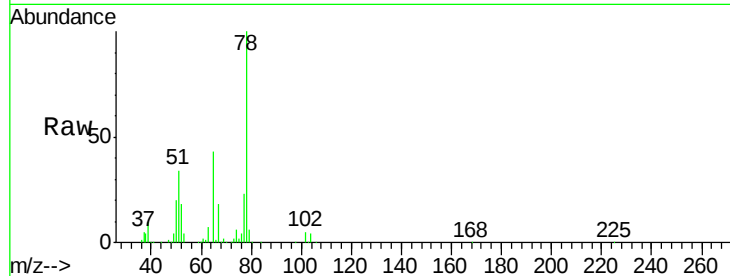
VSTDCCC050

Tot Ion: 65 Resp: 539911

Ion Ratio Lower Upper

65 100

67 41.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

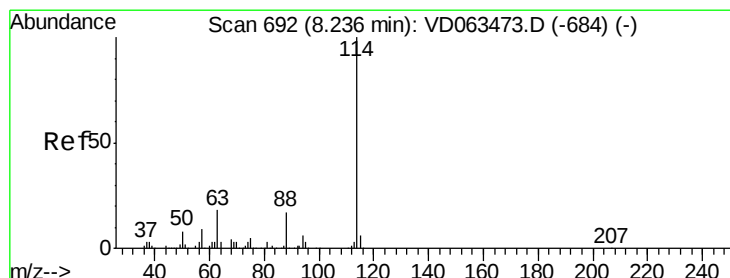
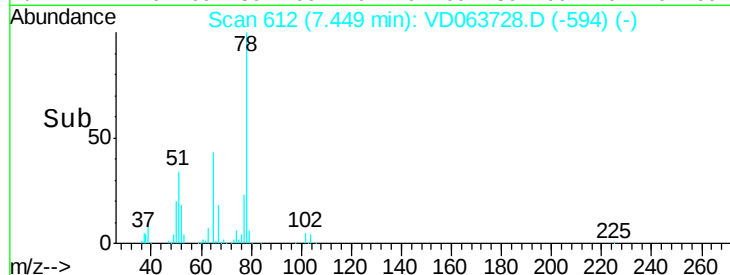
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

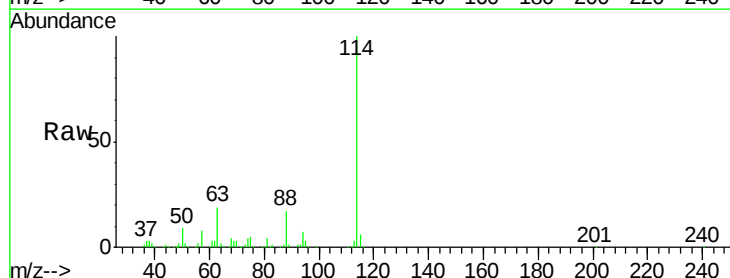
Tgt Ion: 114 Resp: 1380543

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

88 16.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

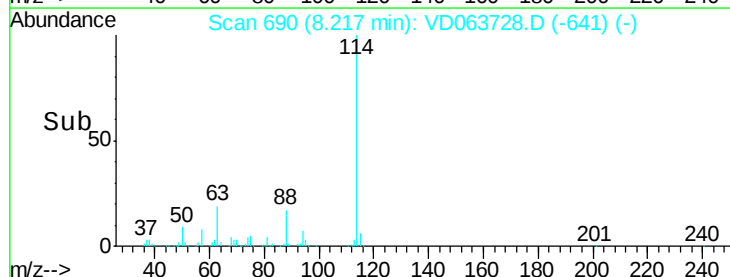
600000

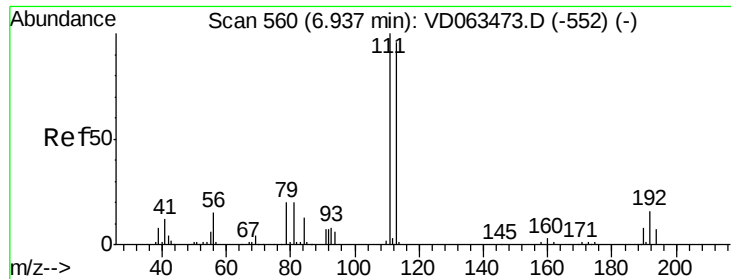
400000

200000

0

Time-->

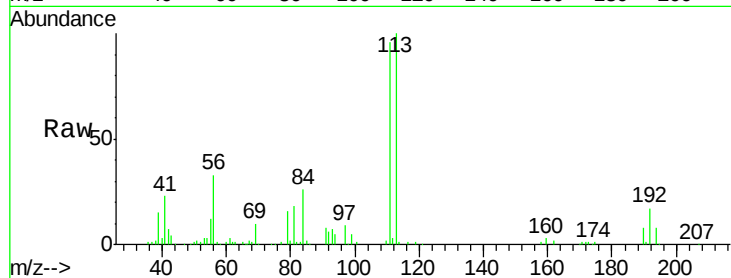




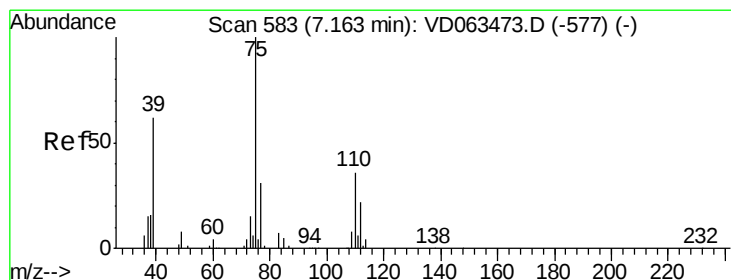
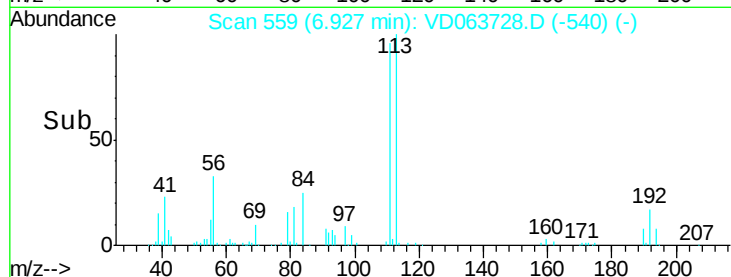
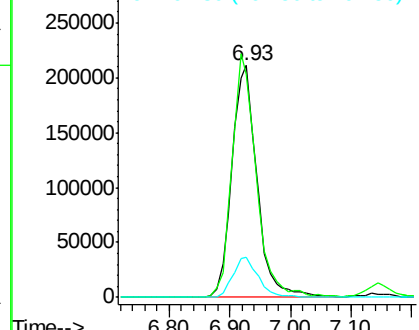
#35
 Dibromofluoromethane
 Concen: 52.404 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.3	83.1	124.7
192	17.4	13.1	19.7

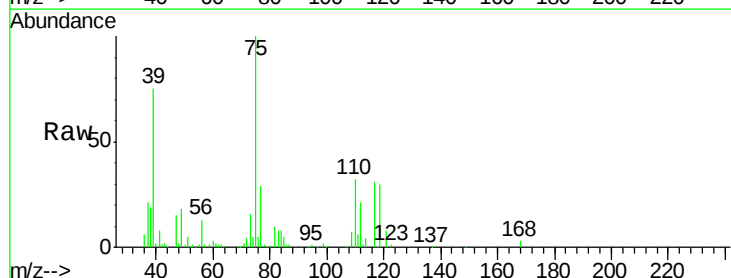


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

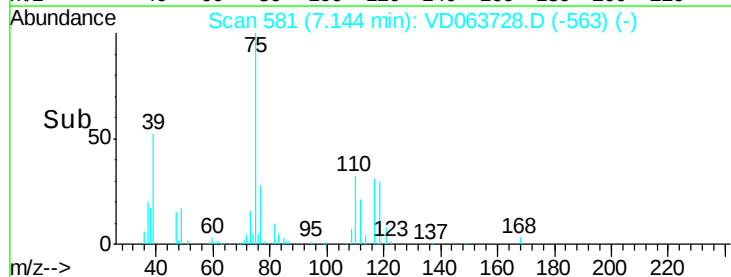
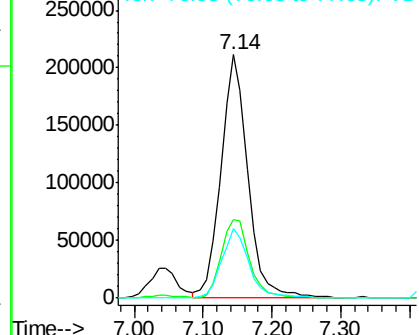


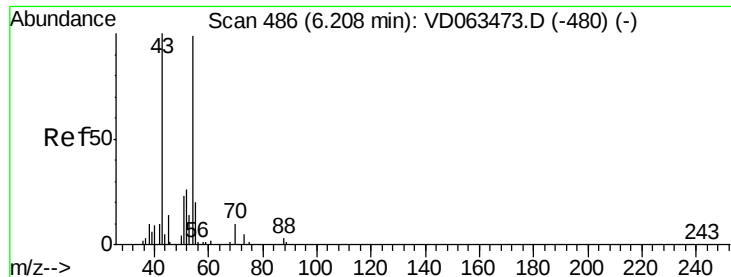
#36
 1,1-Dichloropropene
 Concen: 46.502 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.6	52.8
77	28.7	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

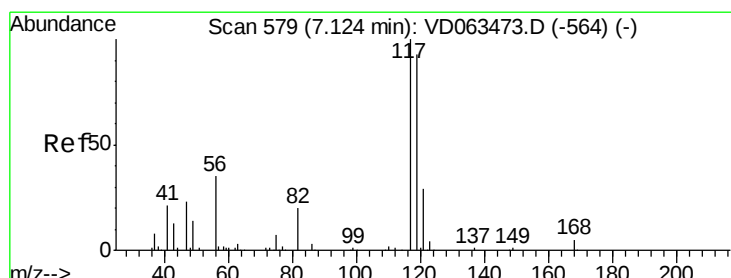
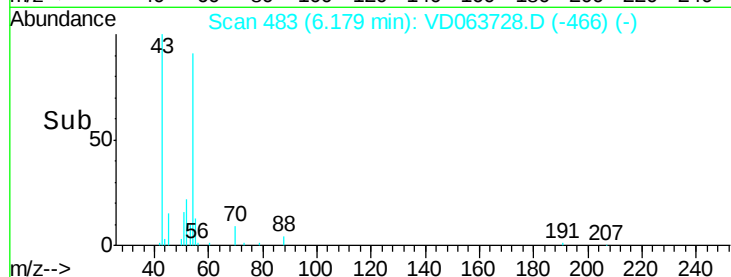
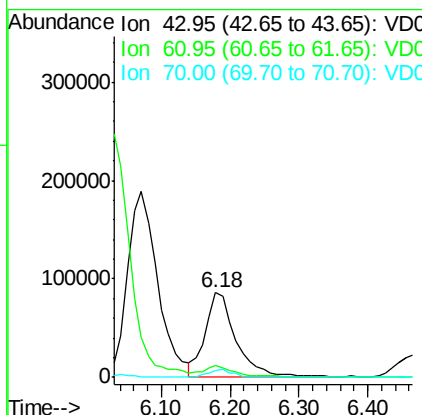
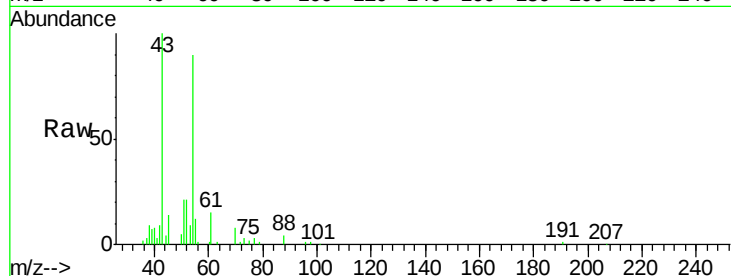




#37
Ethyl Acetate
Concen: 51.398 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

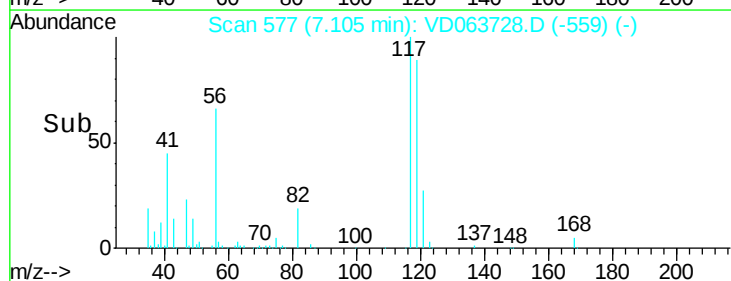
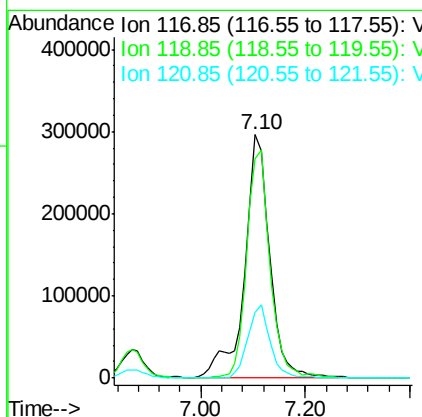
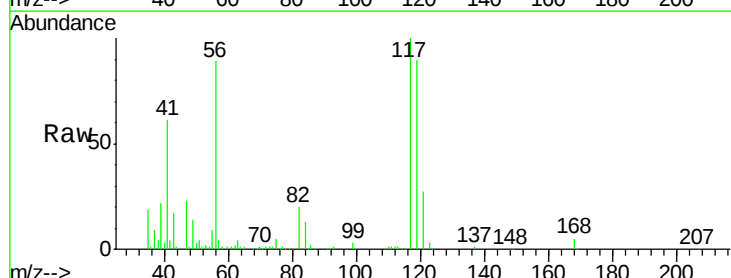
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

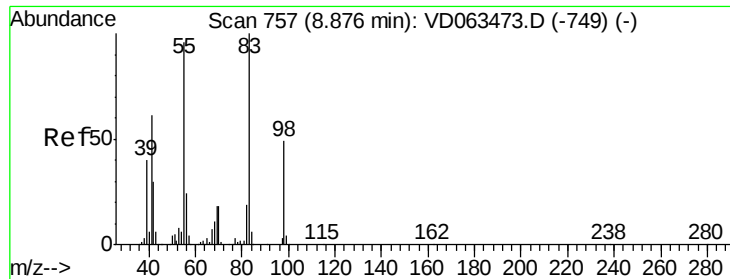
Tot Ion: 43 Resp: 262850
Ion Ratio Lower Upper
43 100
61 14.6 9.0 13.6#
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.355 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 117 Resp: 962980
Ion Ratio Lower Upper
117 100
119 89.9 74.2 111.2
121 27.1 23.1 34.7

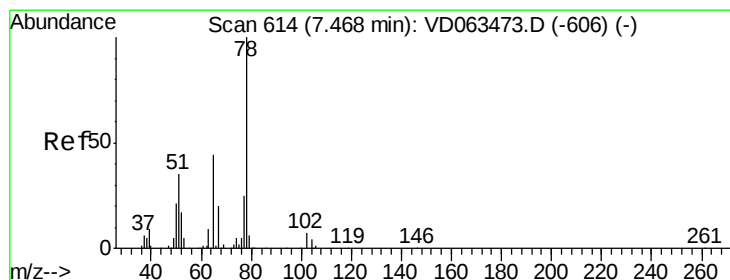
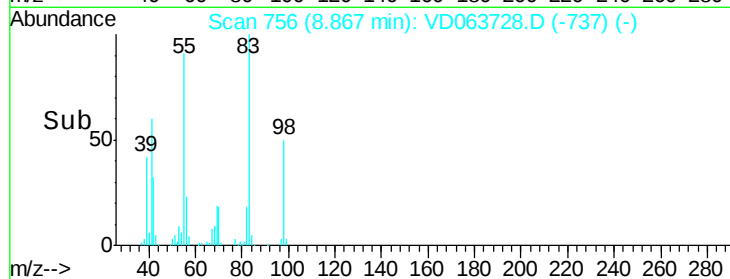
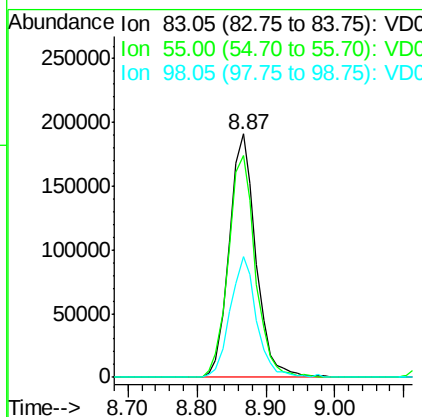
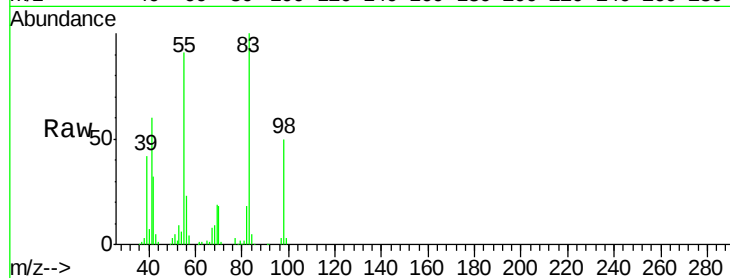




#39
Methvlcvclohexane
Concen: 49.148 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

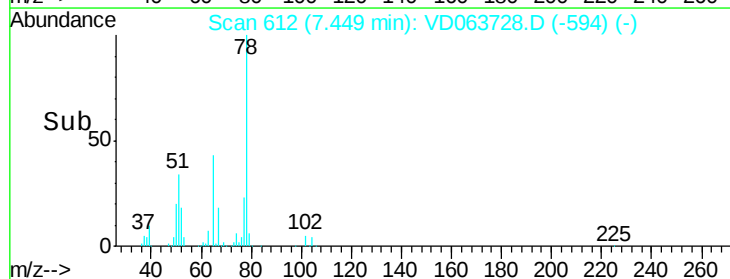
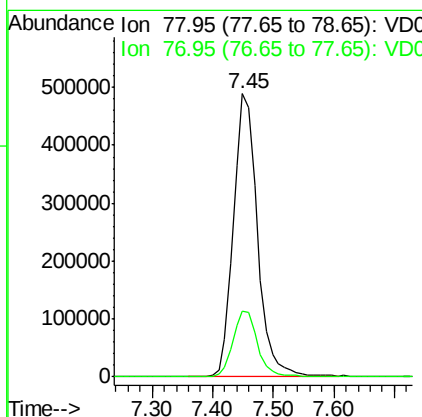
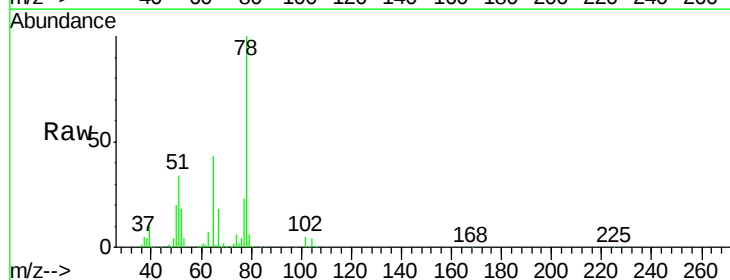
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

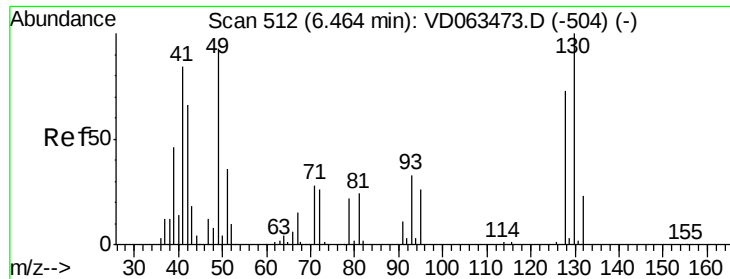
Tot Ion: 83 Resp: 510049
Ion Ratio Lower Upper
83 100
55 91.0 76.6 114.8
98 49.5 39.4 59.0



#40
Benzene
Concen: 50.502 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 78 Resp: 1356360
Ion Ratio Lower Upper
78 100
77 23.2 20.1 30.1

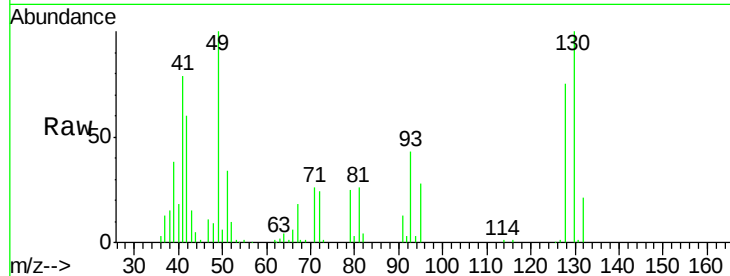




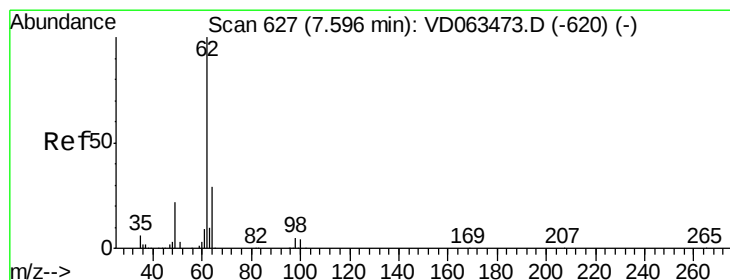
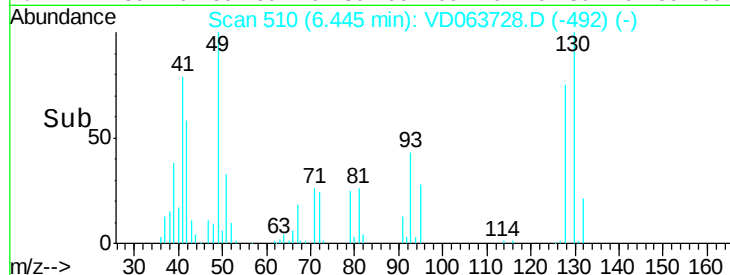
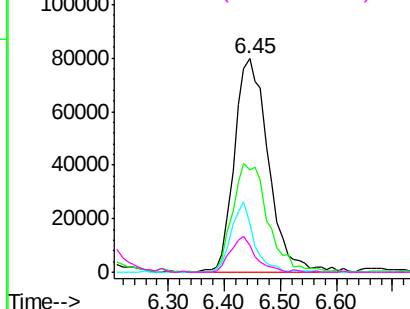
#41
Methacrylonitrile
Concen: 51.991 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	334771
Ion	Ratio	Lower	Upper
41	100		
39	48.0	44.6	66.8
67	23.0	14.4	21.6#
52	12.8	9.3	13.9

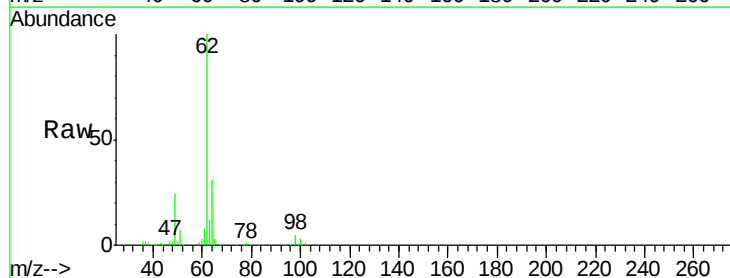


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

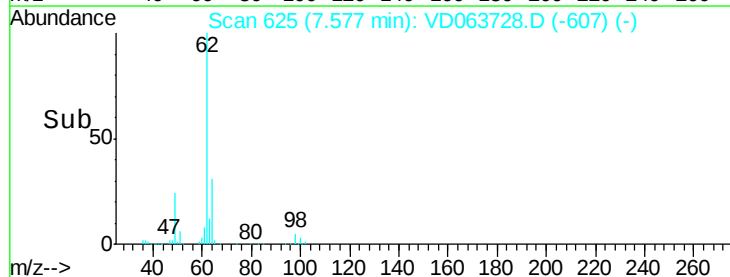
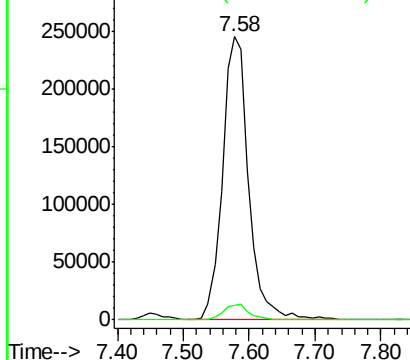


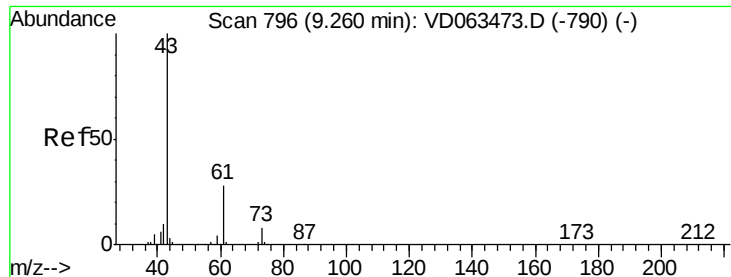
#42
1,2-Dichloroethane
Concen: 50.294 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:	62	Resp:	679202
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: 56.117 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

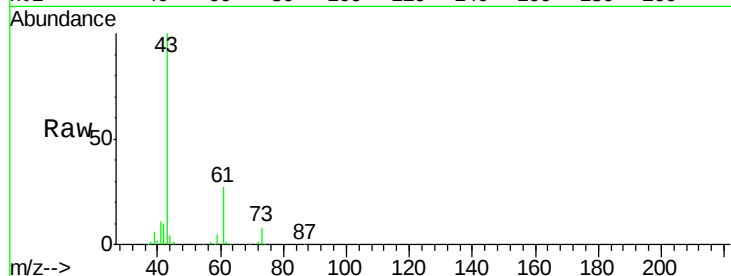
Tot Ion: 43 Resp: 384359

Ion Ratio Lower Upper

43 100

61 27.0 22.2 33.2

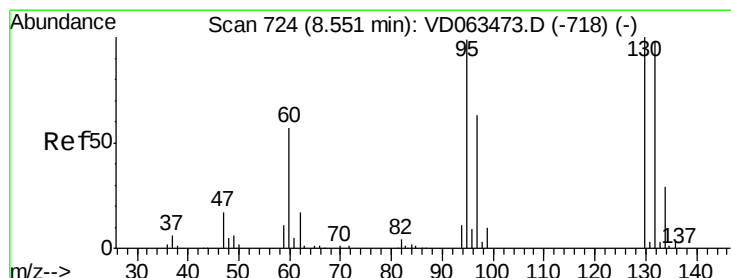
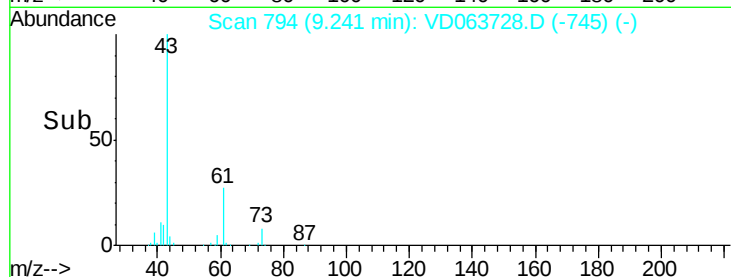
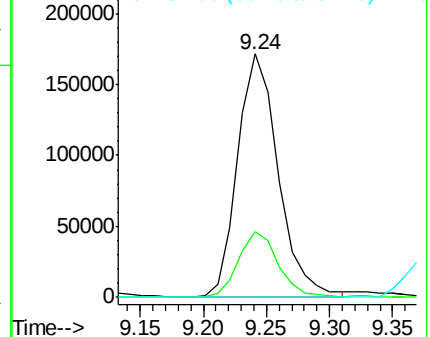
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.977 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063728.D

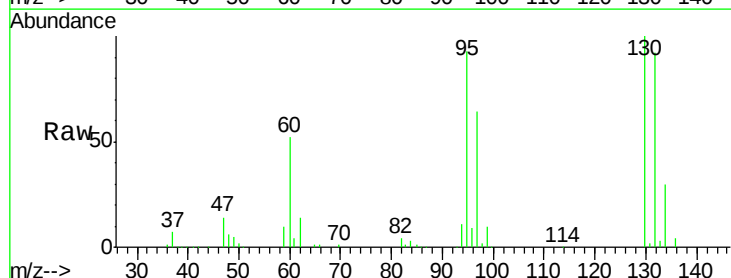
Acq: 22 Aug 2019 12:33

Tgt Ion: 130 Resp: 502771

Ion Ratio Lower Upper

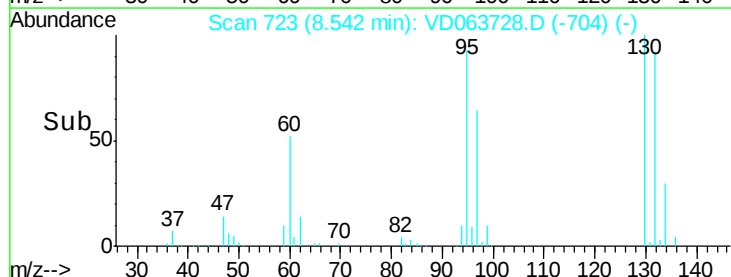
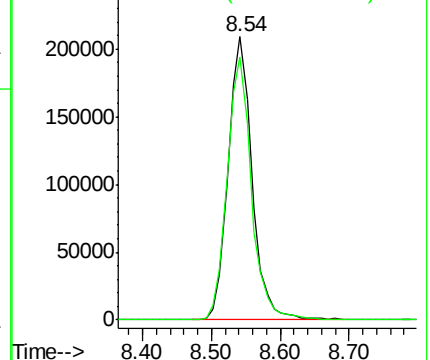
130 100

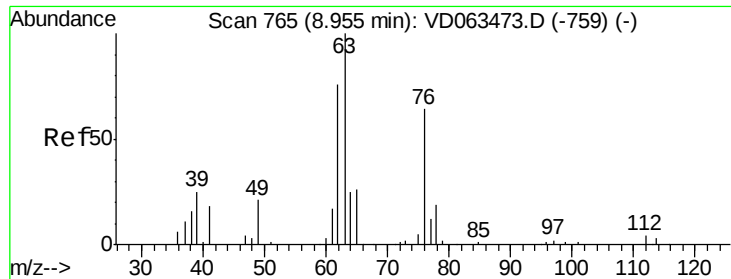
95 93.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.107 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

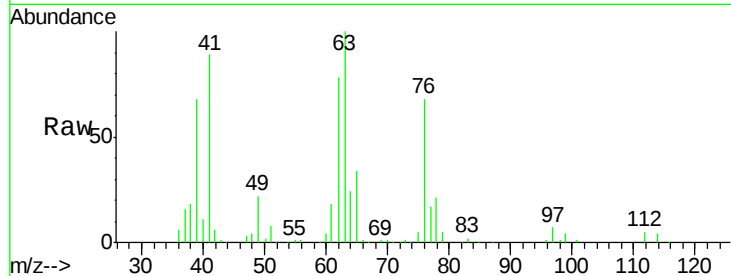
VSTDCCC050

Tot Ion: 63 Resp: 338410

Ion Ratio Lower Upper

63 100

65 34.0 22.5 33.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

150000

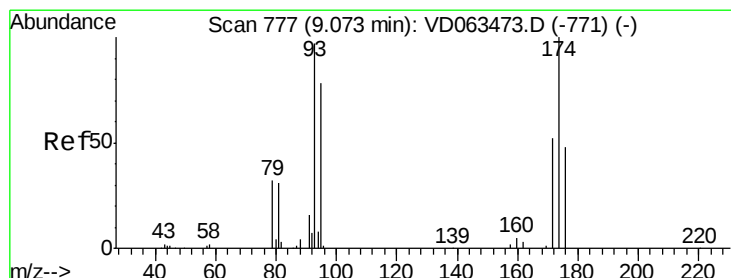
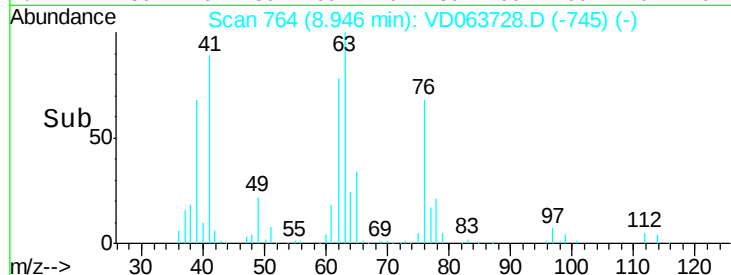
100000

50000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 52.753 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

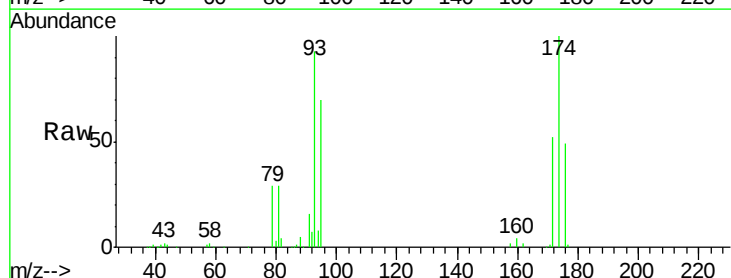
Tgt Ion: 93 Resp: 281766

Ion Ratio Lower Upper

93 100

95 75.8 64.2 96.2

174 107.6 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

150000

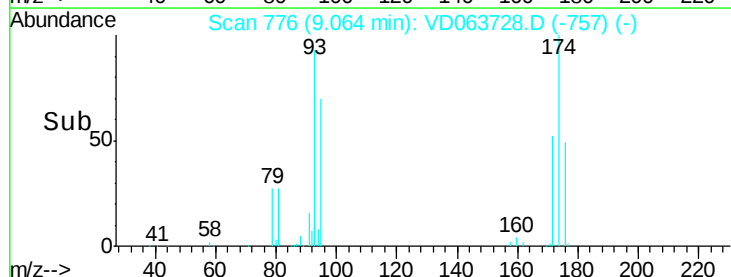
100000

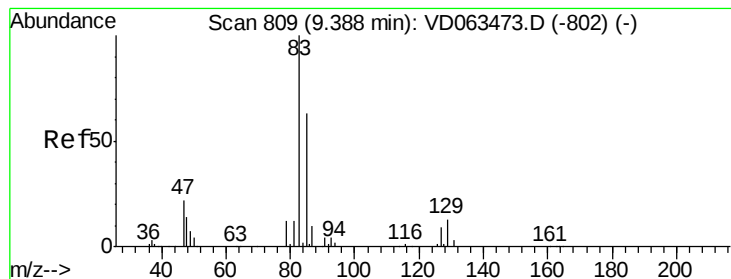
50000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 51.753 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

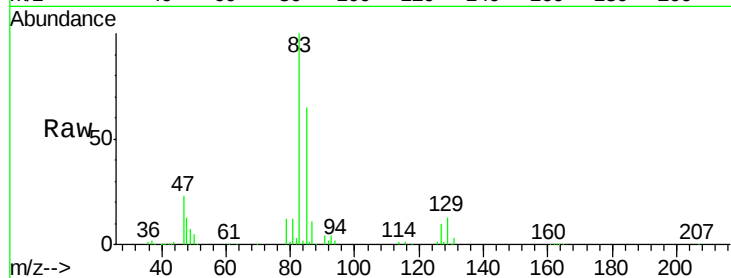
Tot Ion: 83 Resp: 709046

Ion Ratio Lower Upper

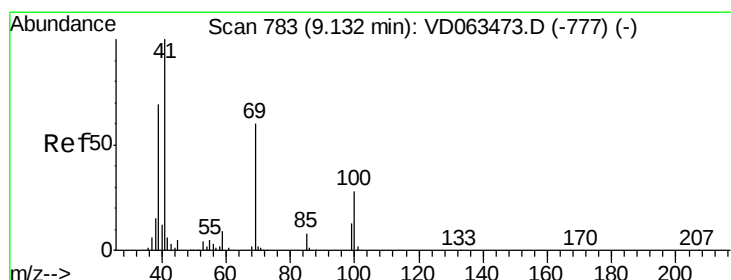
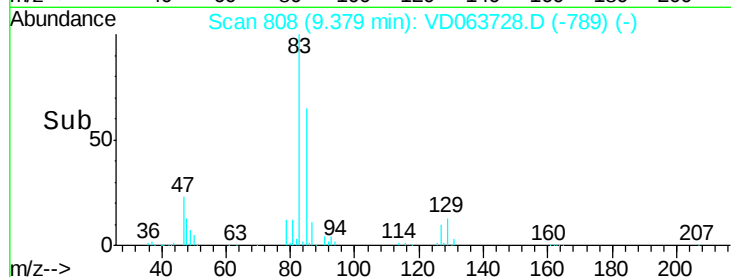
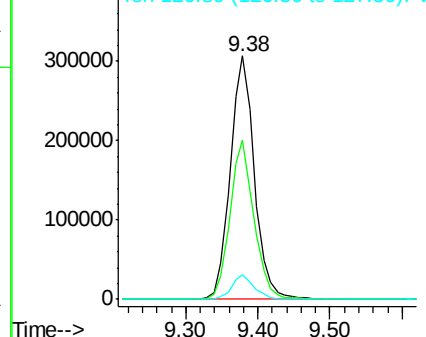
83 100

85 65.4 50.1 75.1

127 10.0 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): VDC



#48

Methyl methacrylate

Concen: 49.083 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

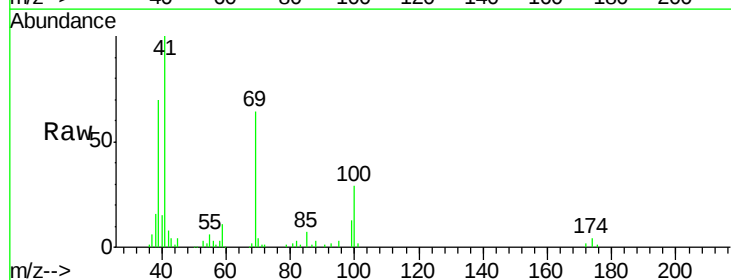
Tgt Ion: 41 Resp: 227991

Ion Ratio Lower Upper

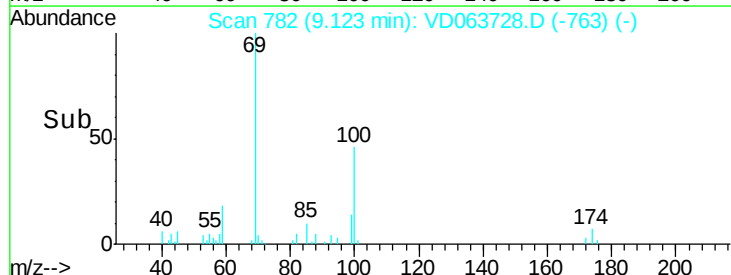
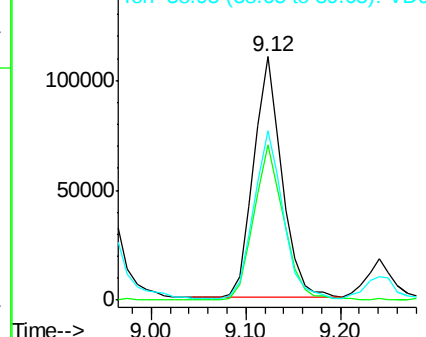
41 100

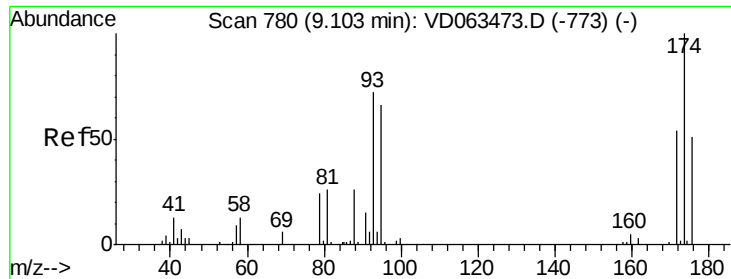
69 63.9 47.6 71.4

39 69.7 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

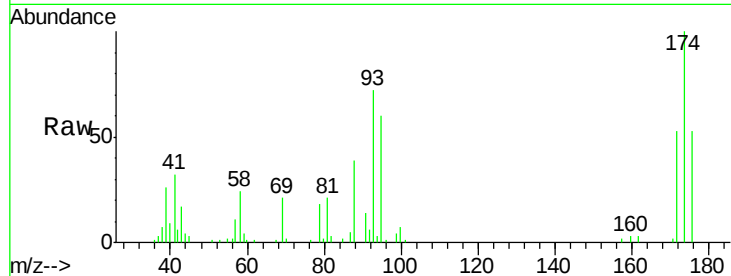




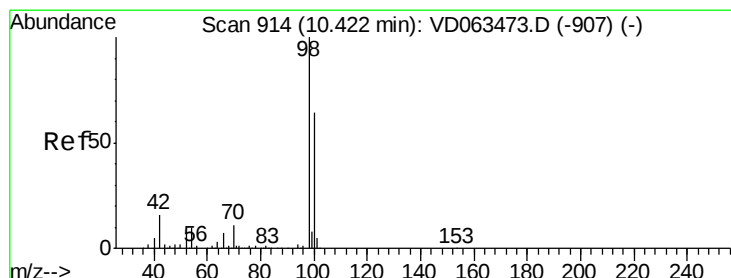
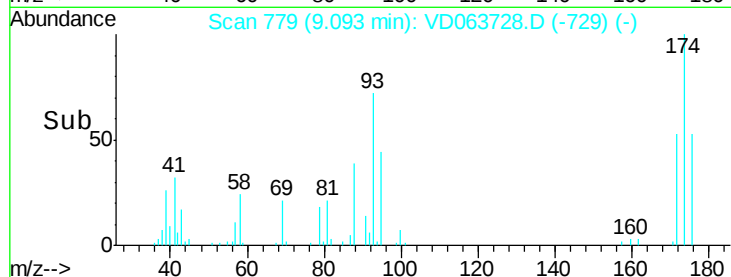
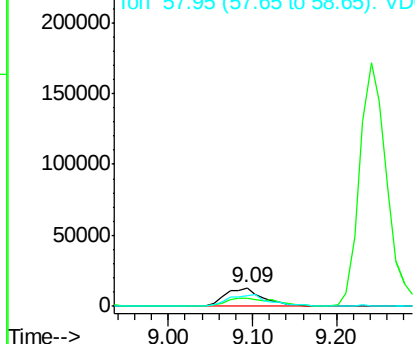
#49
 1,4-Dioxane
 Concen: 1003.473 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 41627
 Ion Ratio Lower Upper
 88 100
 43 44.0 22.9 34.3#
 58 61.0 40.1 60.1#

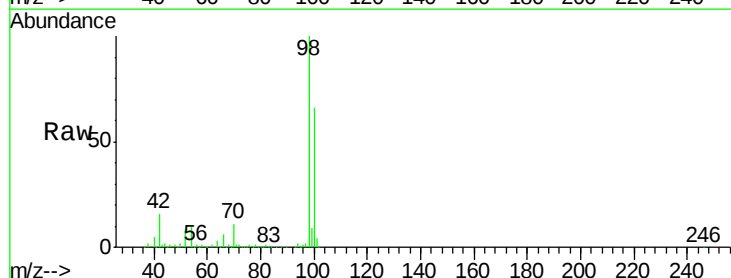


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

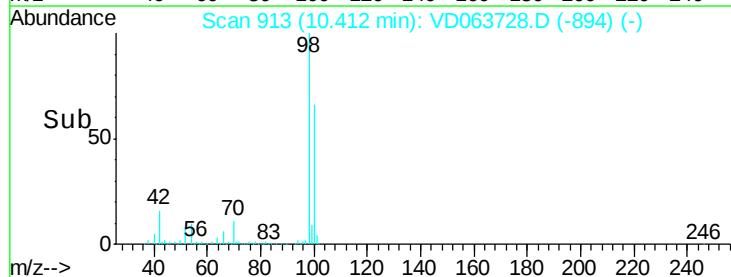
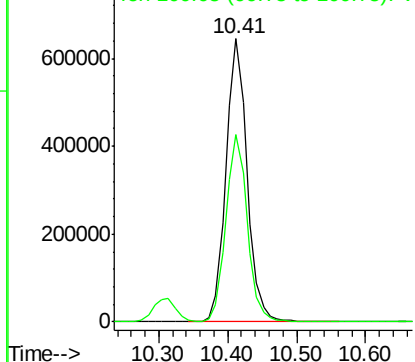


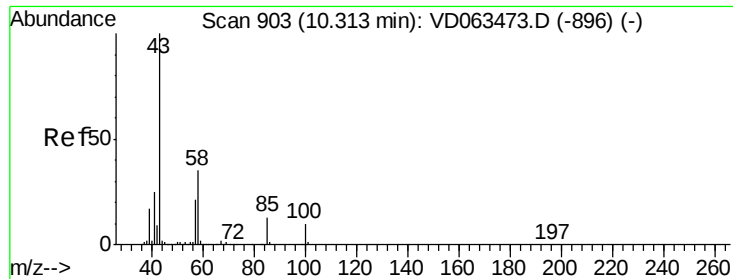
#50
 Toluene-d8
 Concen: 53.473 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion: 98 Resp: 1366904
 Ion Ratio Lower Upper
 98 100
 100 66.3 51.7 77.5



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

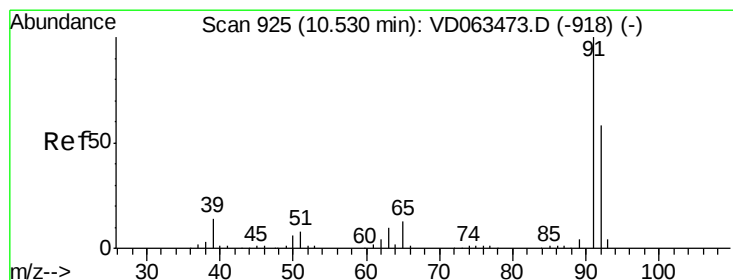
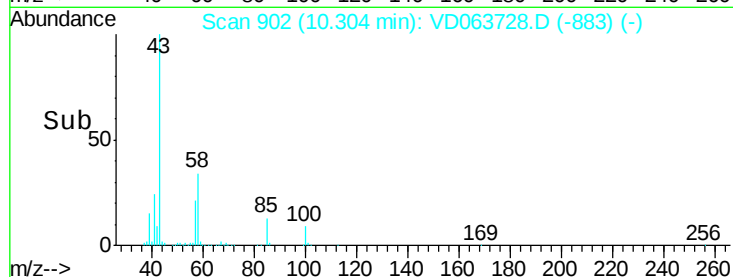
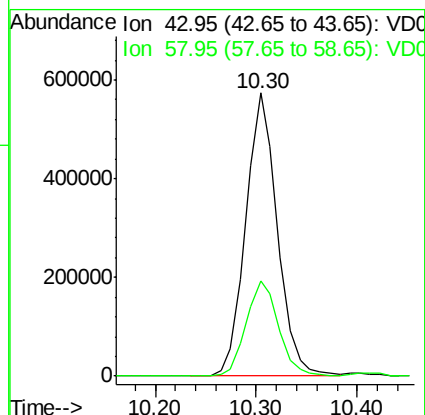
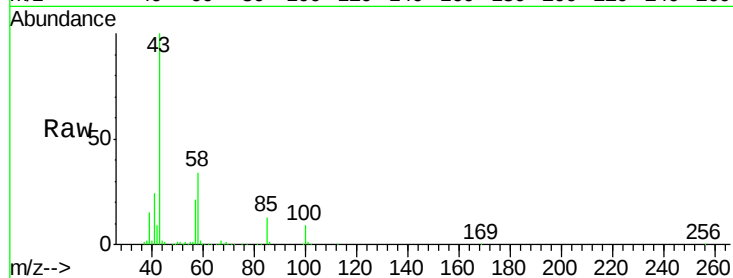




#51
4-Methyl-2-Pentanone
Concen: 268.034 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

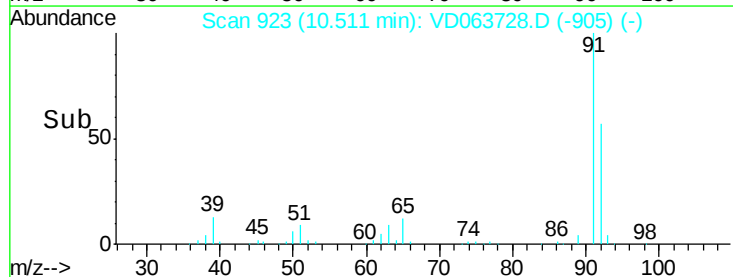
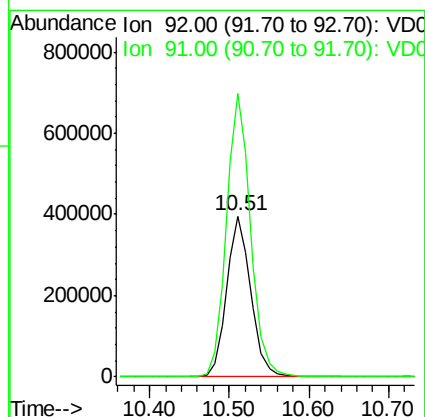
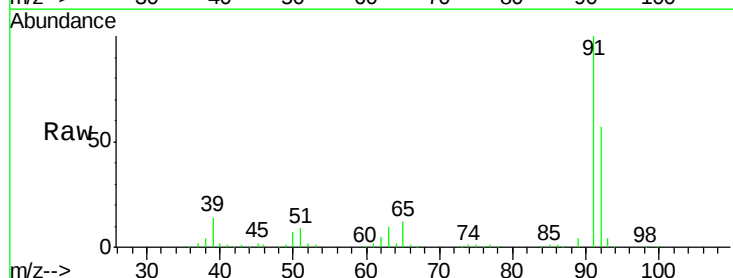
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

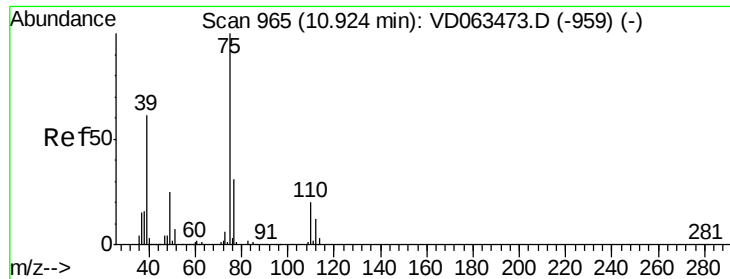
Tot Ion: 43 Resp: 1256213
Ion Ratio Lower Upper
43 100
58 33.6 28.0 42.0



#52
Toluene
Concen: 48.995 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 92 Resp: 847553
Ion Ratio Lower Upper
92 100
91 176.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 51.497 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

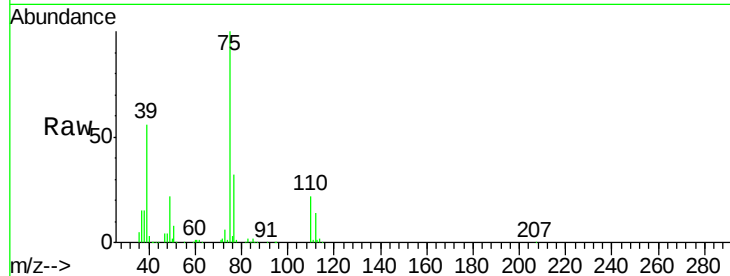
VSTDCCC050

Tot Ion: 75 Resp: 575788

Ion Ratio Lower Upper

75 100

77 31.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

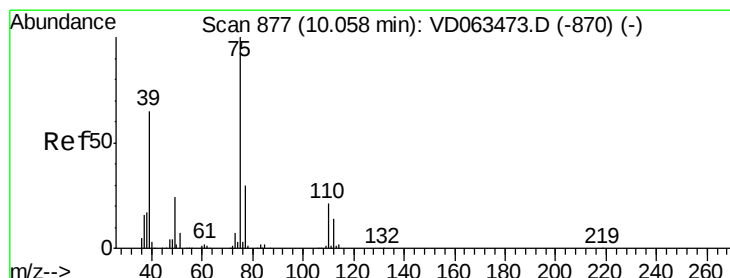
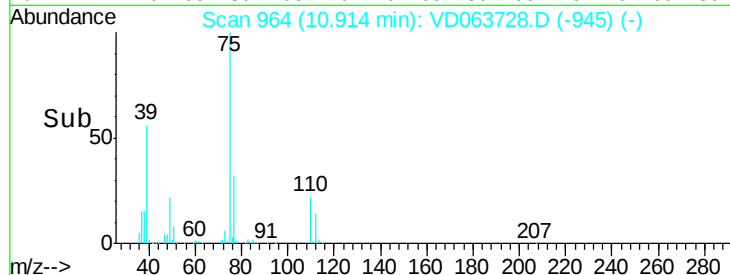
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.368 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

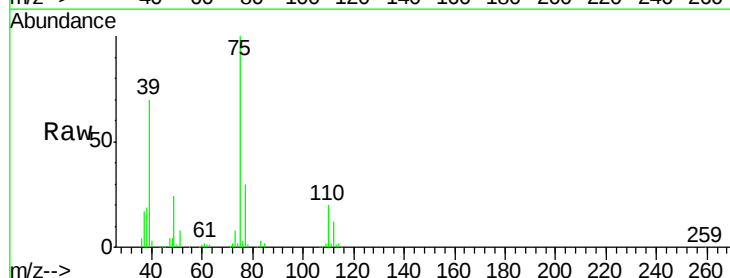
Tgt Ion: 75 Resp: 597193

Ion Ratio Lower Upper

75 100

77 29.5 23.7 35.5

39 70.0 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

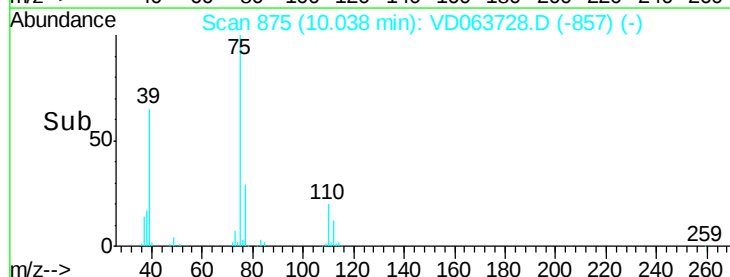
300000

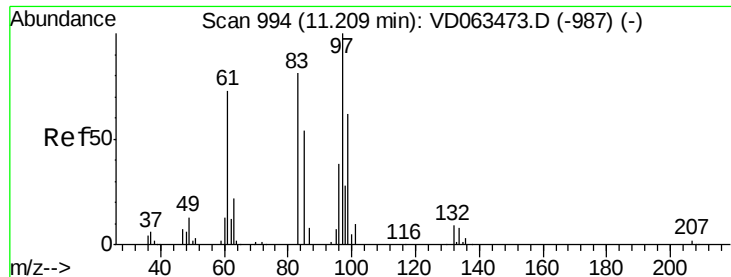
200000

100000

0

Time-->

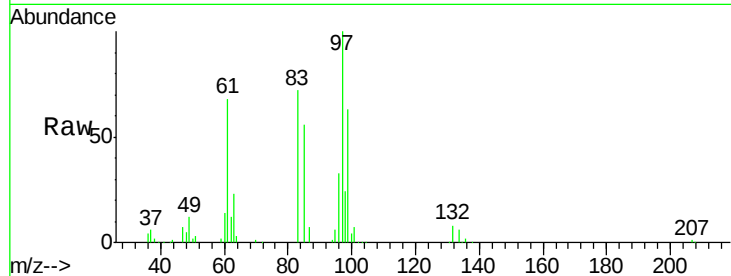




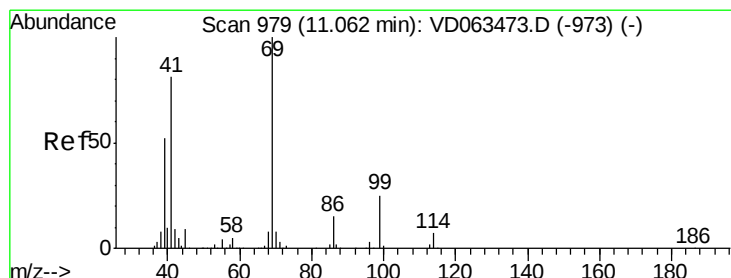
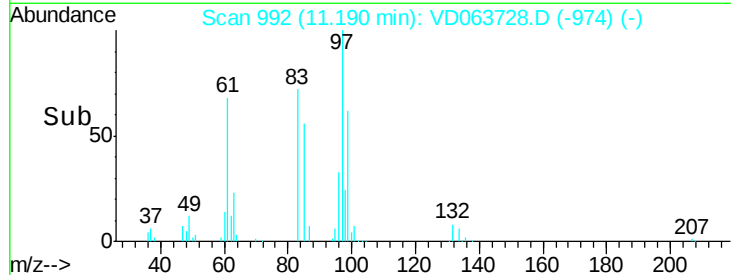
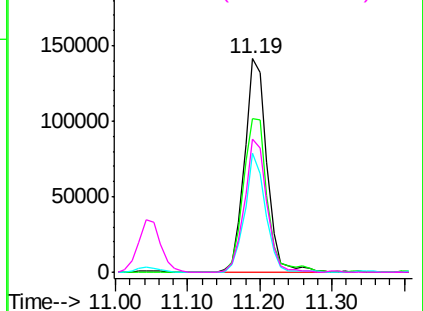
#55
 1,1,2-Trichloroethane
 Concen: 52.372 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	306033
Ion	Ratio	Lower	Upper
97	100		
83	72.2	64.7	97.1
85	56.0	42.9	64.3
99	62.6	49.7	74.5

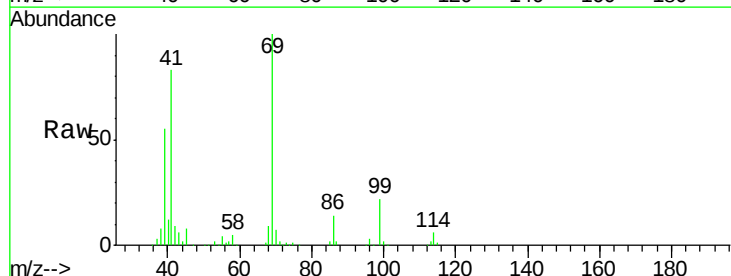


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

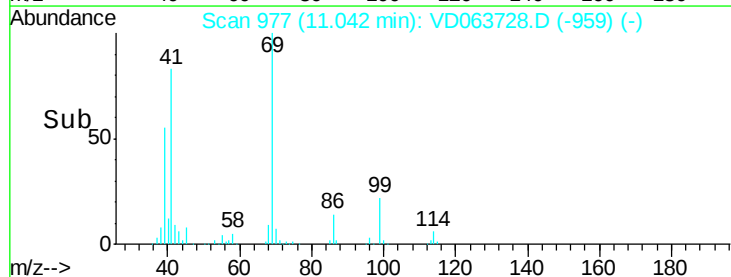
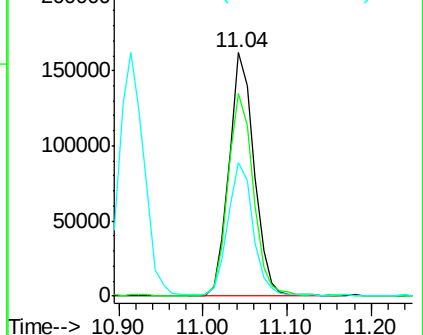


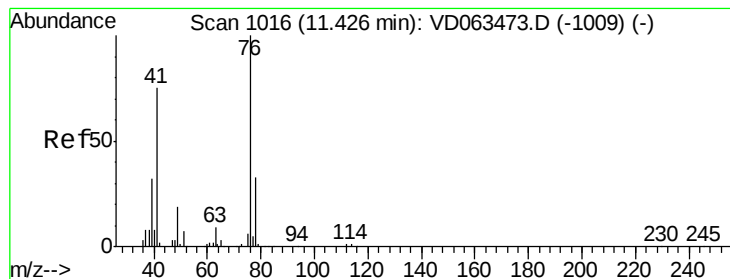
#56
 Ethyl methacrylate
 Concen: 53.248 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion:	69	Resp:	337723
Ion	Ratio	Lower	Upper
69	100		
41	83.2	64.8	97.2
39	55.1	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: 50.339 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

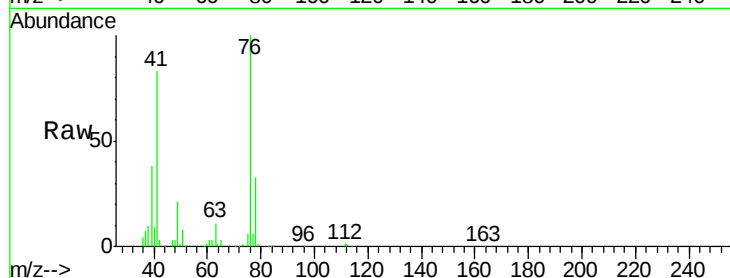
VSTDCCC050

Tot Ion: 76 Resp: 444631

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

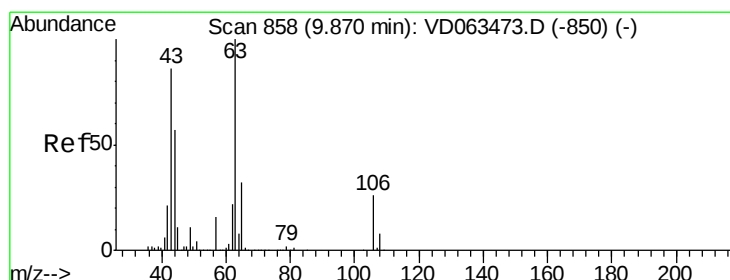
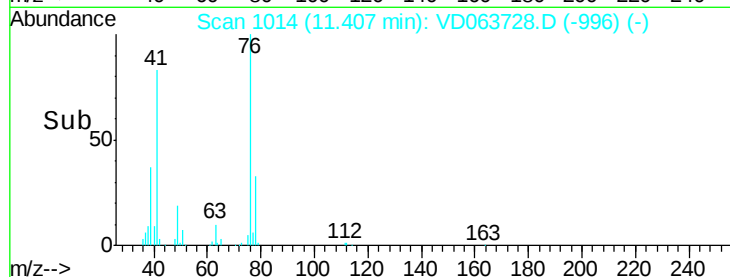
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 307.030 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD063728.D

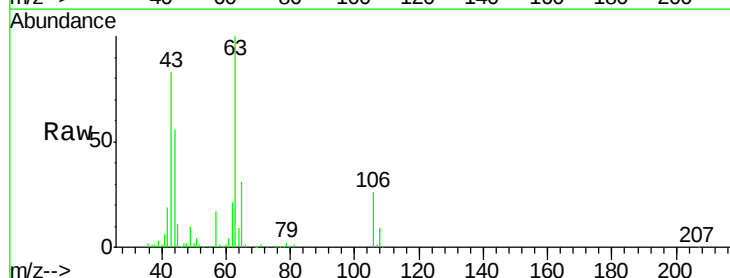
Acq: 22 Aug 2019 12:33

Tgt Ion: 63 Resp: 1028052

Ion Ratio Lower Upper

63 100

106 26.5 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

500000

400000

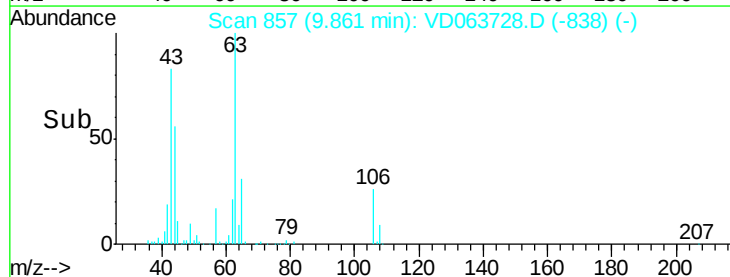
300000

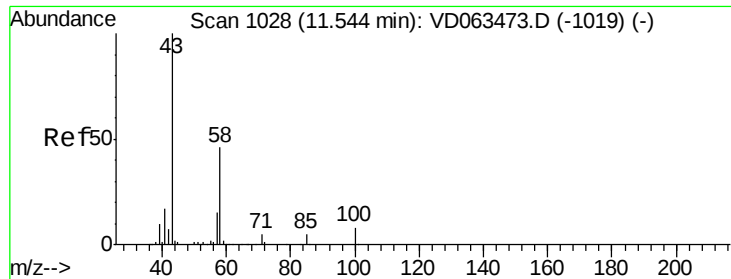
200000

100000

0

Time-->

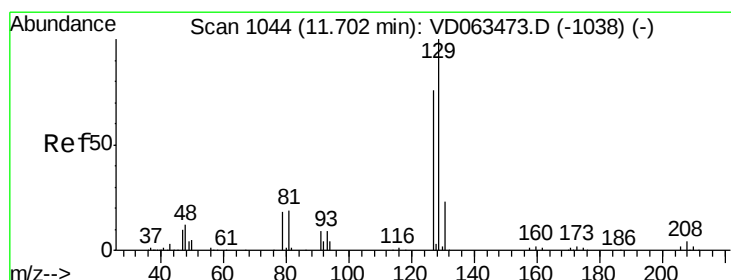
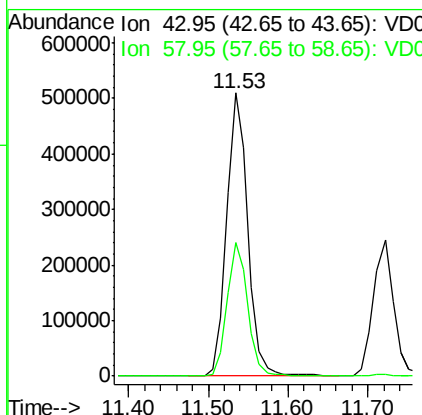
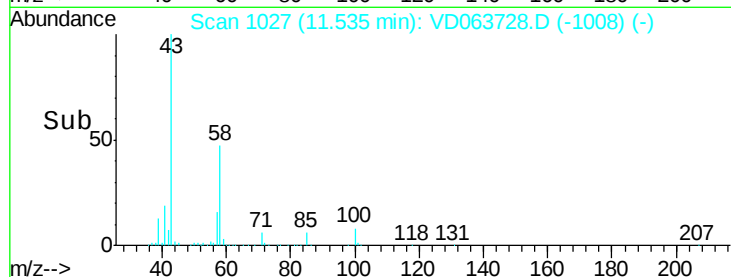
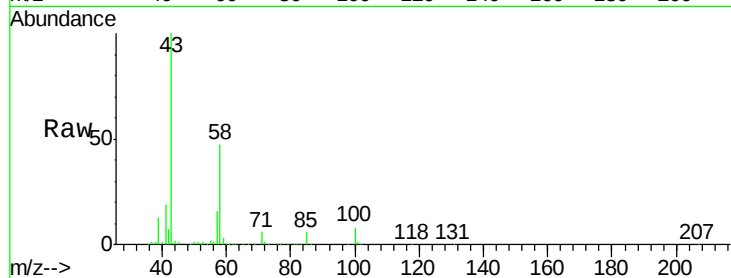




#59
2-Hexanone
Concen: 280.684 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

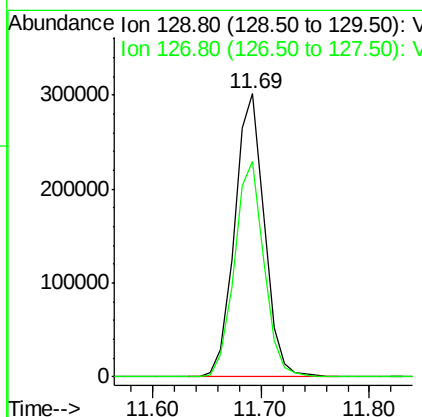
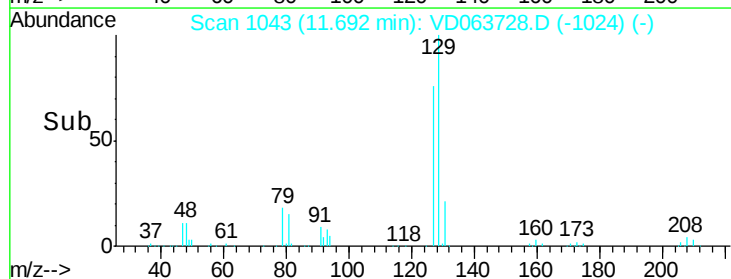
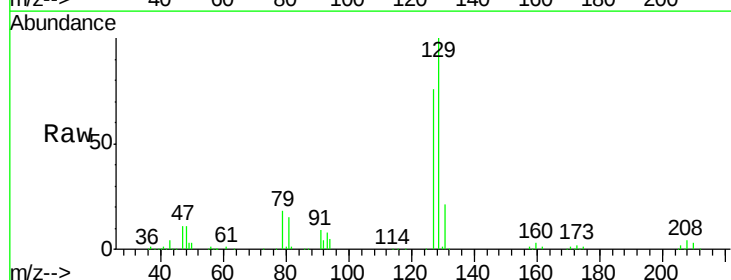
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

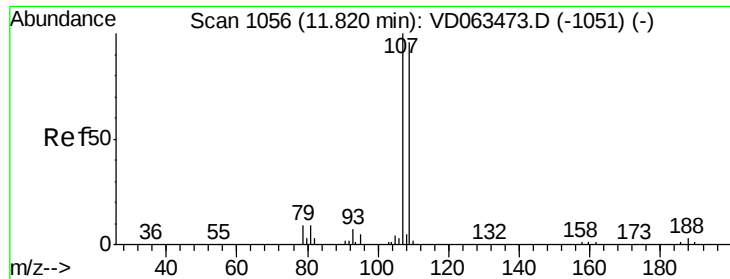
Tot Ion: 43 Resp: 957191
Ion Ratio Lower Upper
43 100
58 47.3 23.1 69.2



#60
Dibromochloromethane
Concen: 54.007 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 129 Resp: 574261
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4

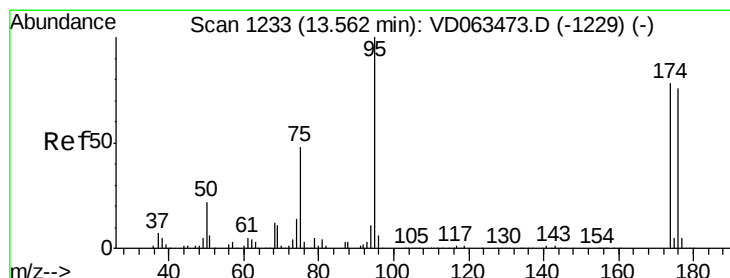
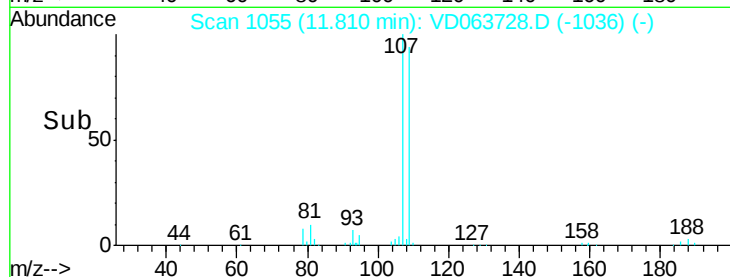
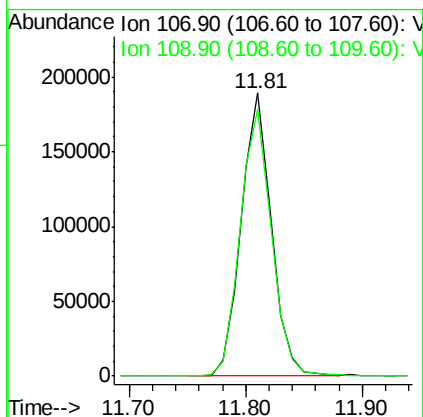
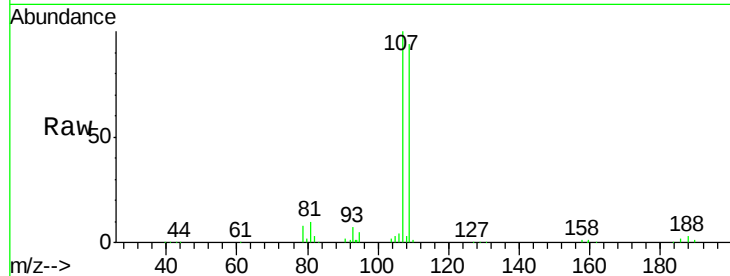




#61
 1,2-Dibromoethane
 Concen: 47.860 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

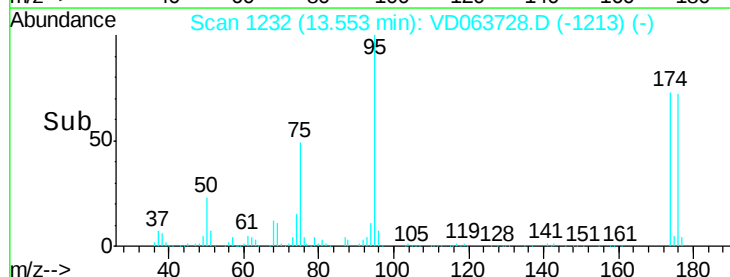
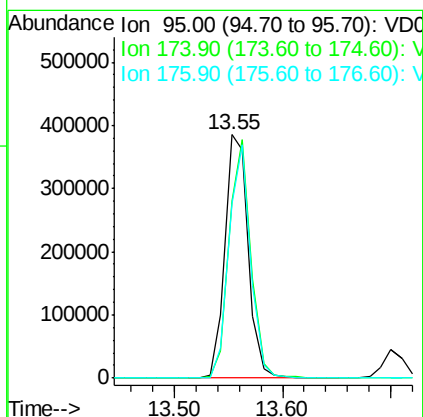
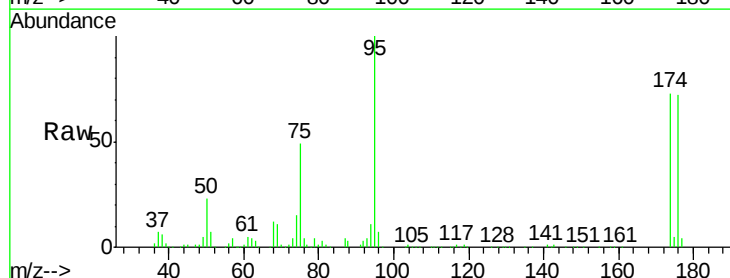
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 338560
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.611 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion: 95 Resp: 574795
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 155.4
 176 71.9 0.0 152.4

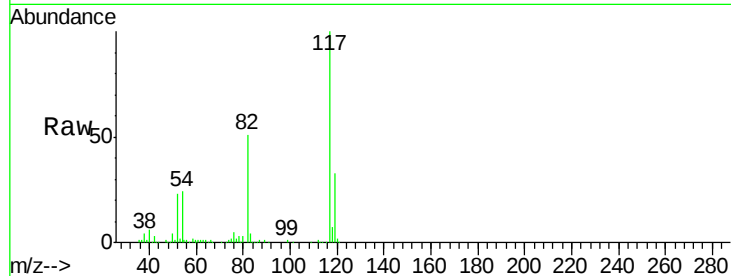




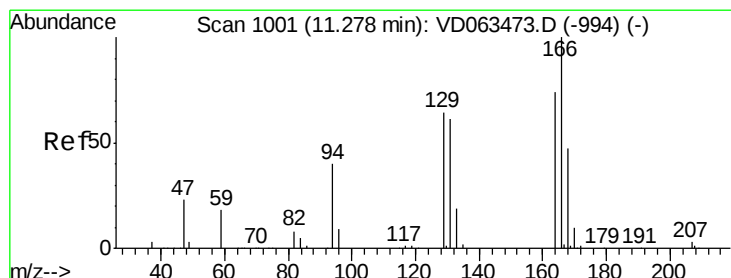
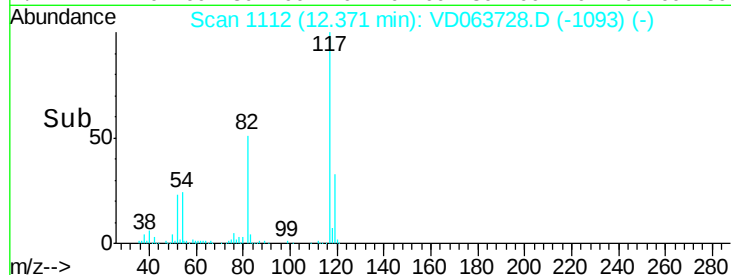
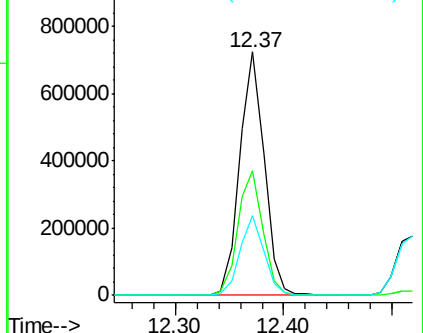
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1146994
Ion Ratio Lower Upper
117 100
82 51.4 42.0 63.0
119 32.9 25.4 38.0

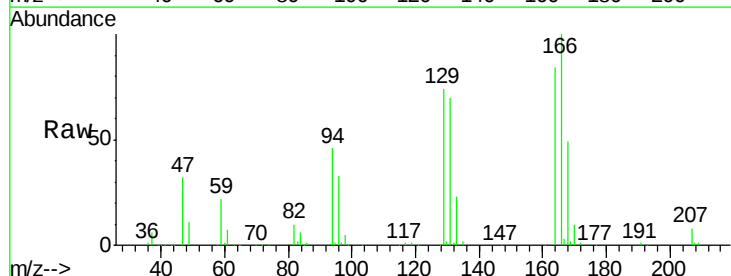


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

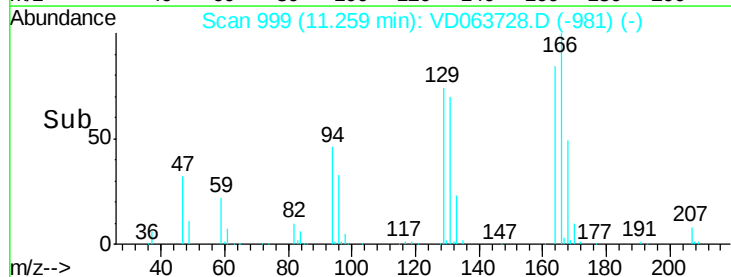
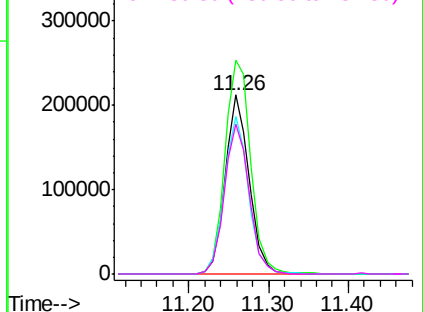


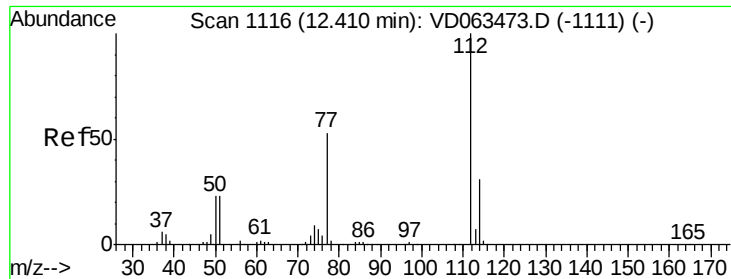
#64
Tetrachloroethene
Concen: 50.705 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:164 Resp: 448964
Ion Ratio Lower Upper
164 100
166 119.5 108.6 163.0
129 88.4 69.0 103.6
131 83.5 66.6 99.8



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





#65

Chlorobenzene

Concen: 51.196 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

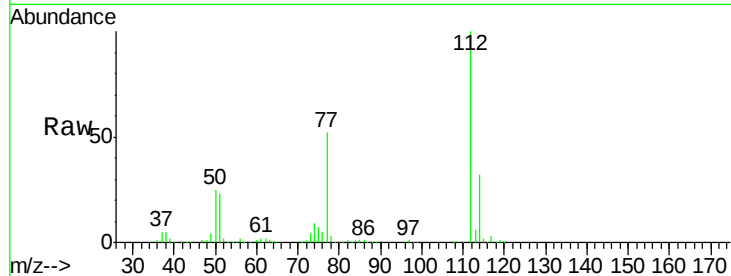
VSTDCCC050

Tot Ion:112 Resp: 1100582

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.40

800000

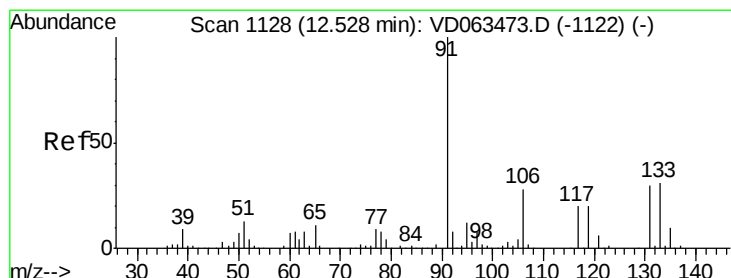
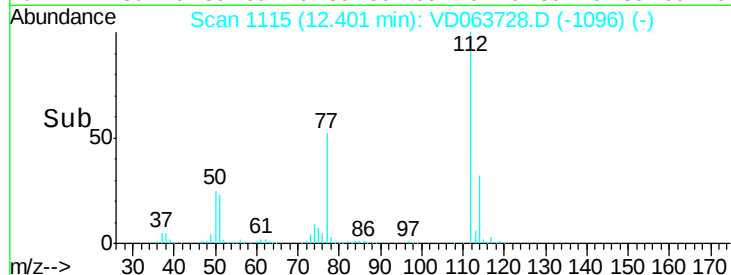
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.492 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

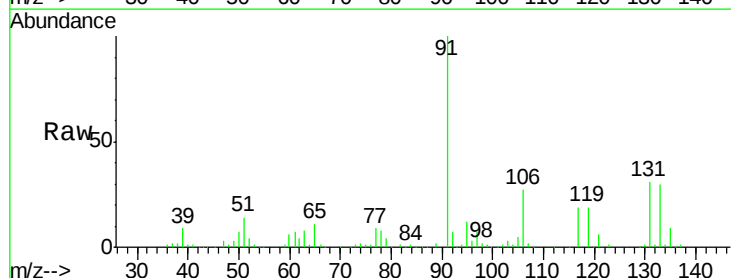
Tgt Ion:131 Resp: 487158

Ion Ratio Lower Upper

131 100

133 94.9 51.1 153.3

119 61.3 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.52

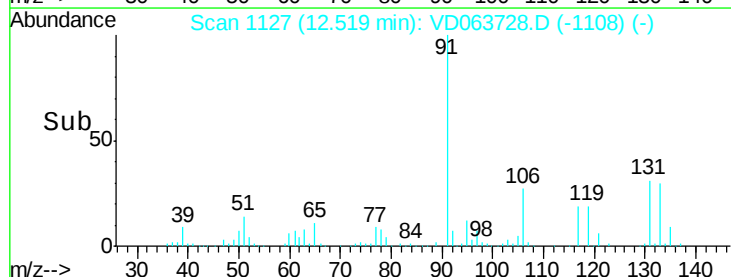
300000

200000

100000

0

Time-->

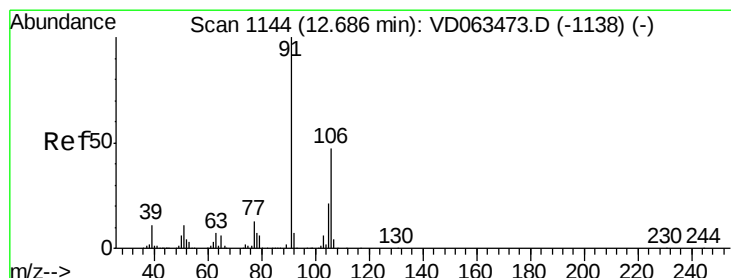
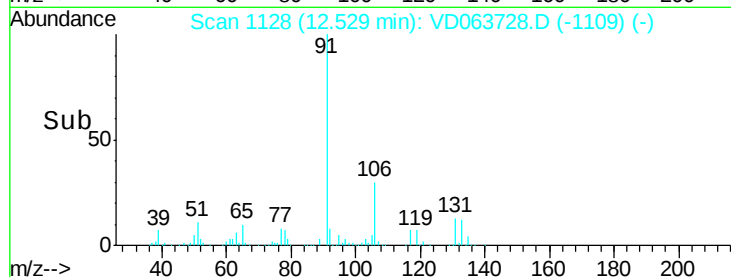
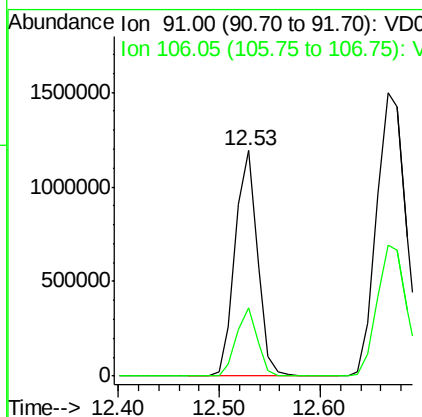
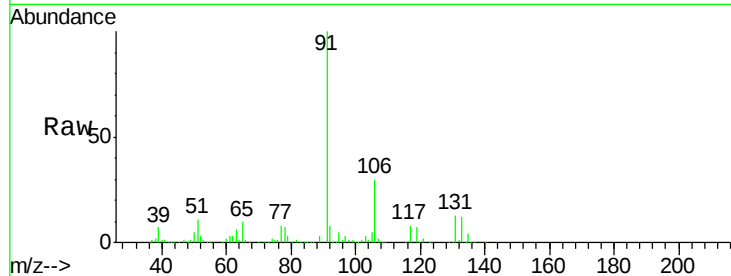




#67
Ethyl Benzene
Concen: 49.118 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

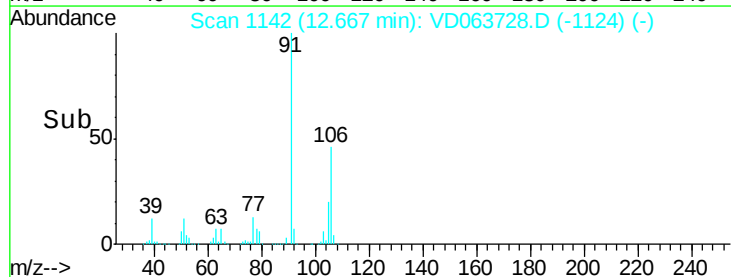
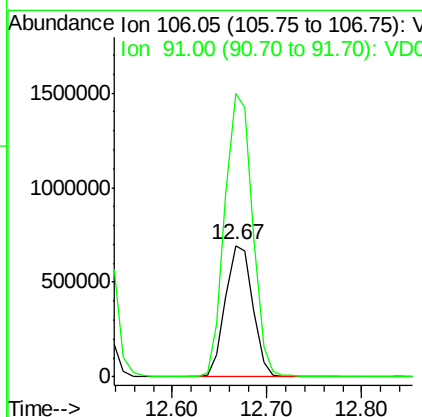
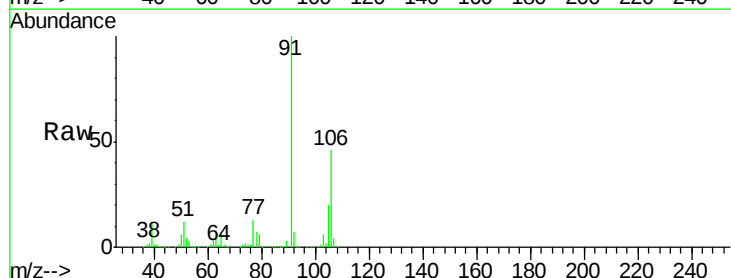
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

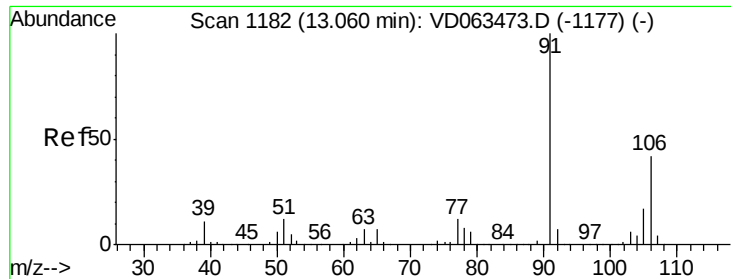
Tot Ion: 91 Resp: 1835970
Ion Ratio Lower Upper
91 100
106 30.0 23.1 34.7



#68
m/p-Xylenes
Concen: 105.945 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:106 Resp: 1391305
Ion Ratio Lower Upper
106 100
91 215.4 171.8 257.8

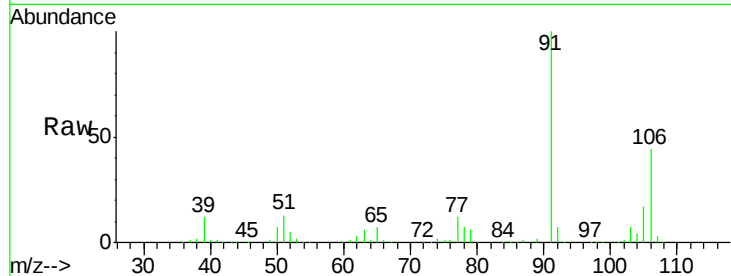




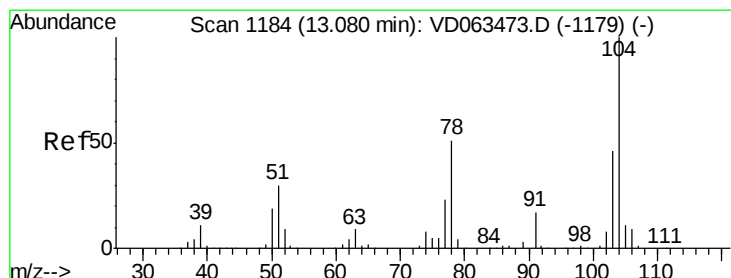
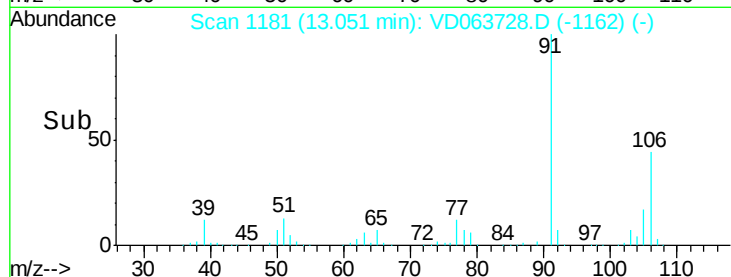
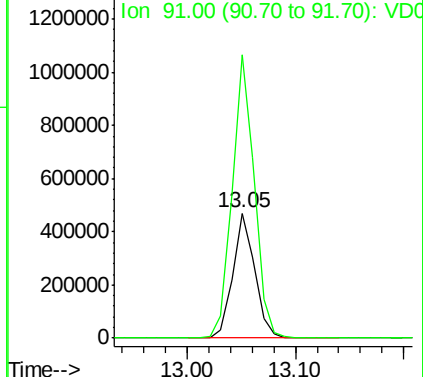
#69
o-Xylene
Concen: 52.641 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 665352
Ion Ratio Lower Upper
106 100
91 227.0 118.1 354.2

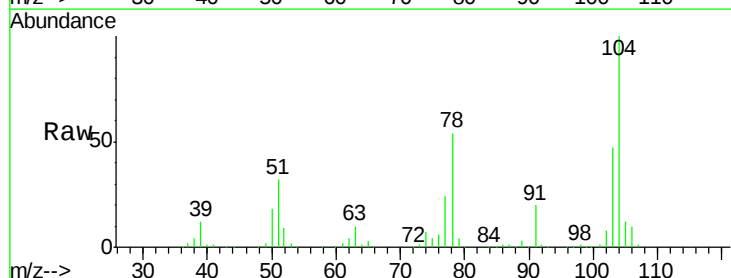


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

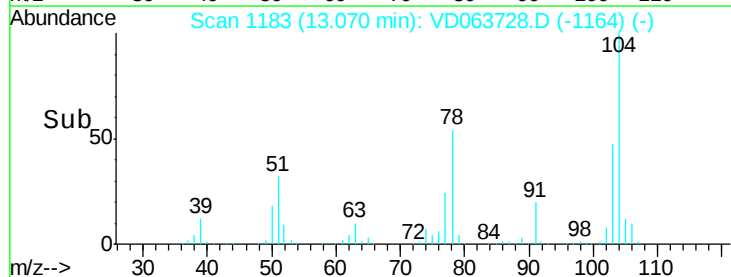
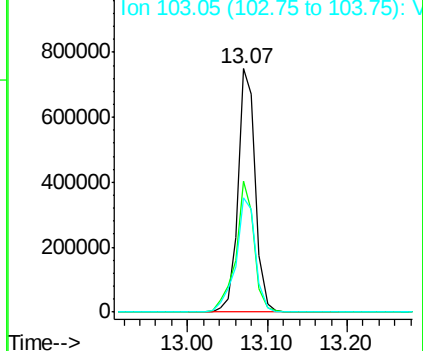


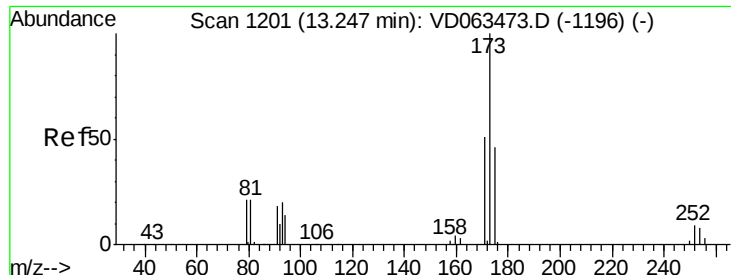
#70
Styrene
Concen: 50.504 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:104 Resp: 1135458
Ion Ratio Lower Upper
104 100
78 53.8 40.8 61.2
103 47.2 36.4 54.6



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

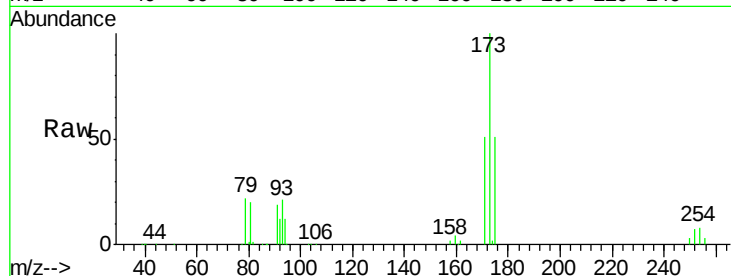




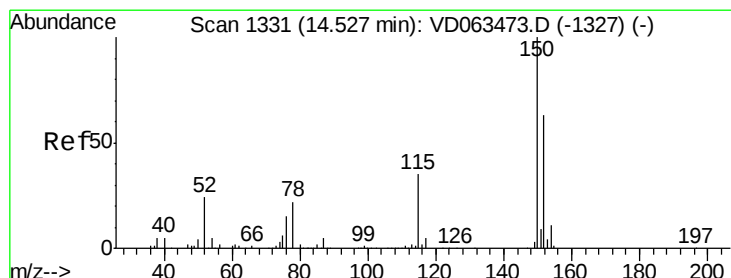
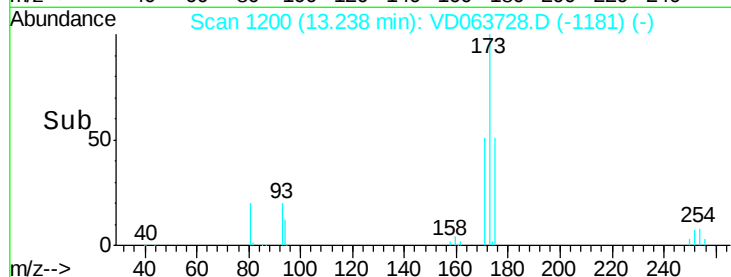
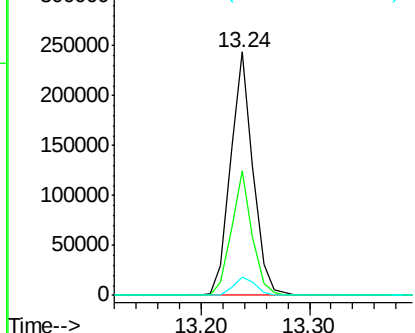
#71
Bromoform
Concen: 54.133 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 351174
Ion Ratio Lower Upper
173 100
175 50.9 22.8 68.3
254 7.7 6.6 9.8

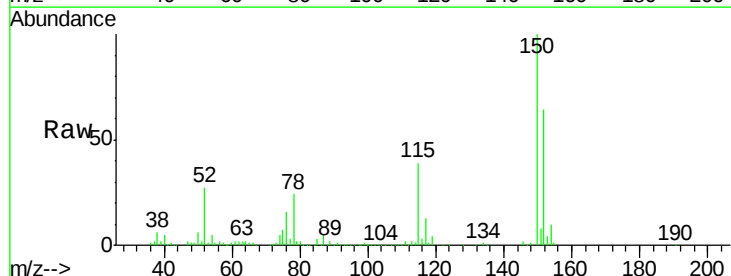


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

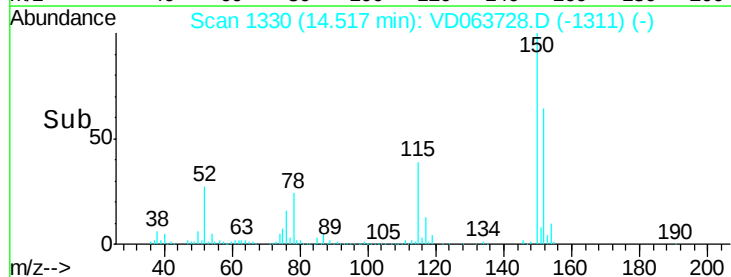
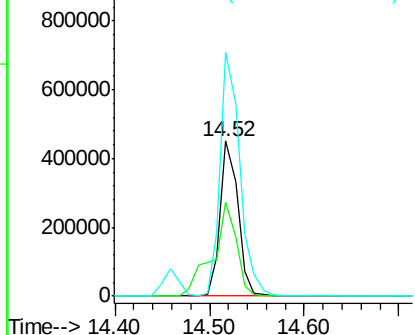


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:152 Resp: 587316
Ion Ratio Lower Upper
152 100
115 60.5 30.9 92.7
150 156.9 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.218 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

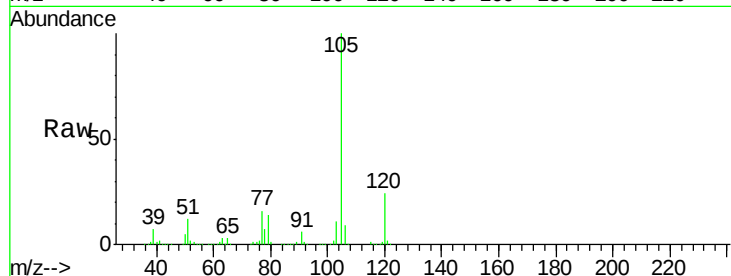
VSTDCCC050

Tot Ion:105 Resp: 1763913

Ion Ratio Lower Upper

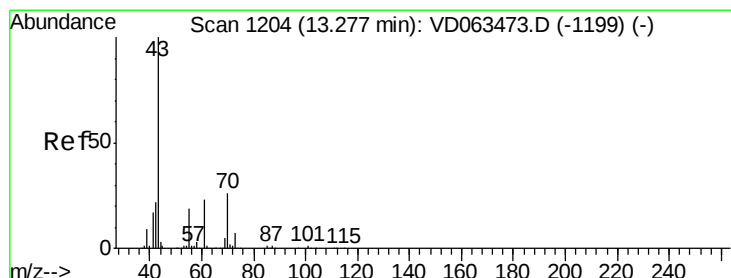
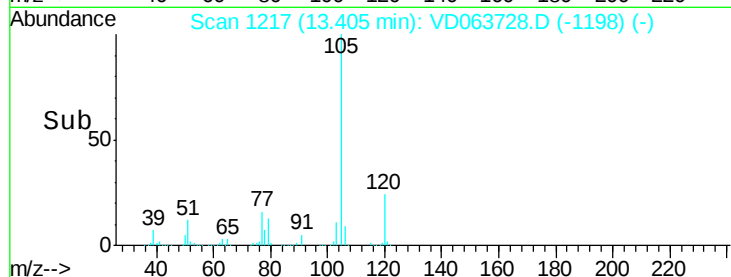
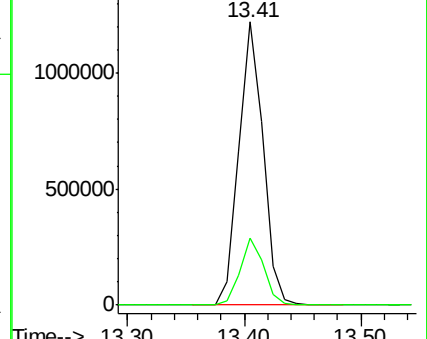
105 100

120 23.5 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: 58.427 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Tgt Ion: 43 Resp: 547903

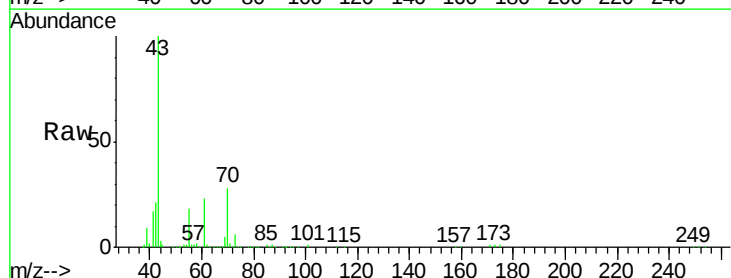
Ion Ratio Lower Upper

43 100

70 28.2 21.1 31.7

55 18.1 15.4 23.0

61 22.6 18.2 27.2

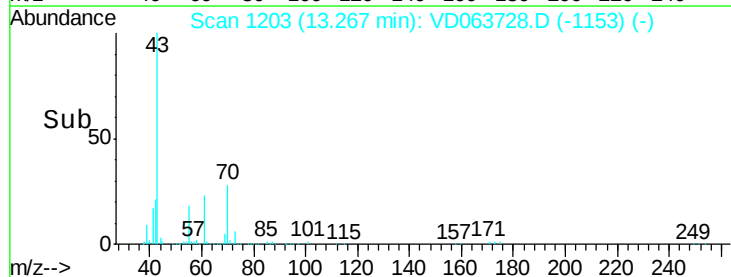
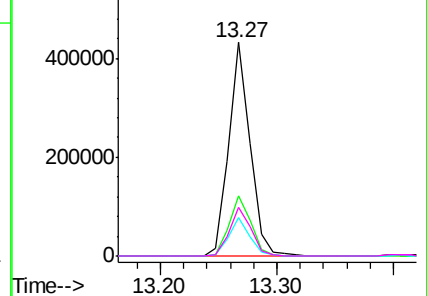


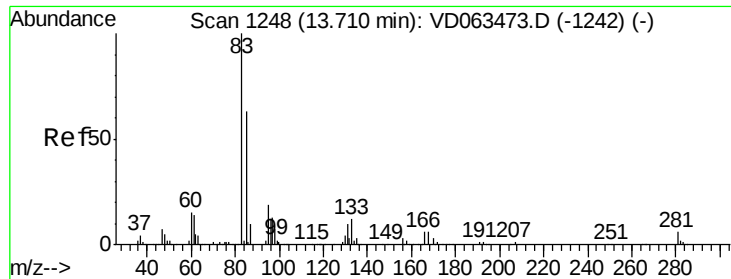
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.448 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

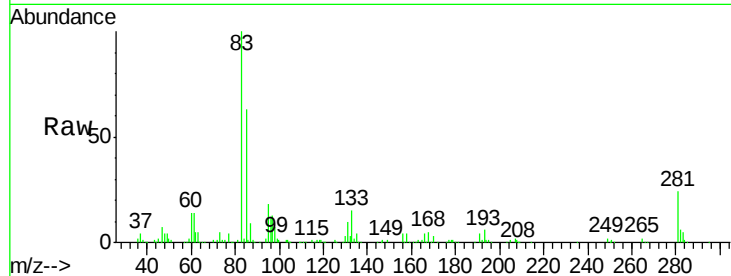
Tot Ion: 83 Resp: 337603

Ion Ratio Lower Upper

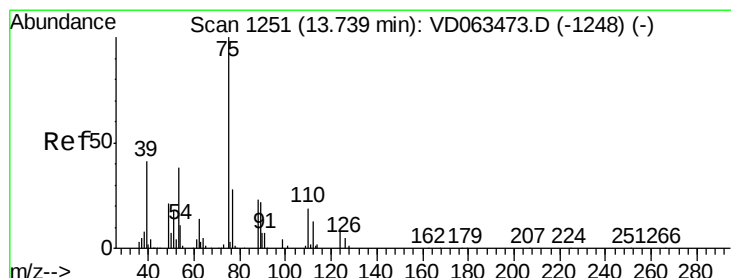
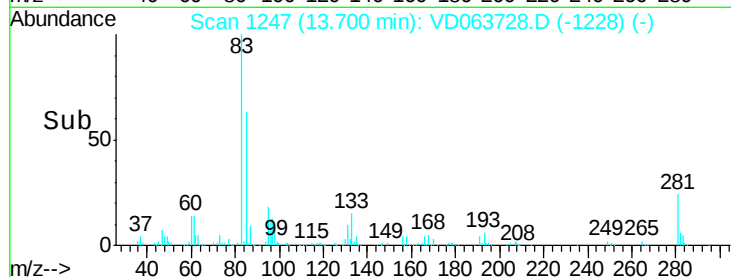
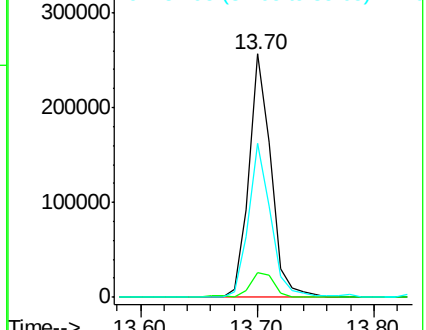
83 100

131 10.2 5.3 15.8

85 63.5 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: 55.195 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063728.D

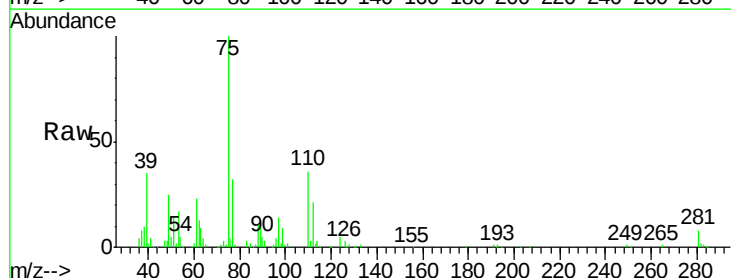
Acq: 22 Aug 2019 12:33

Tgt Ion: 75 Resp: 372041

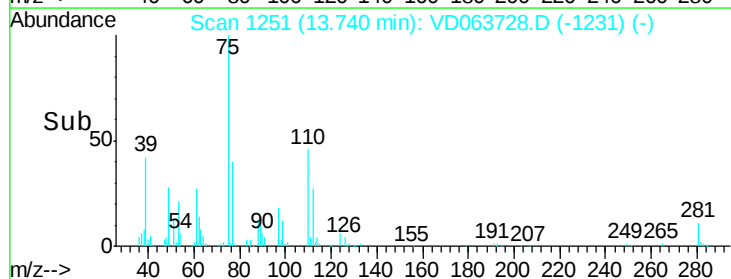
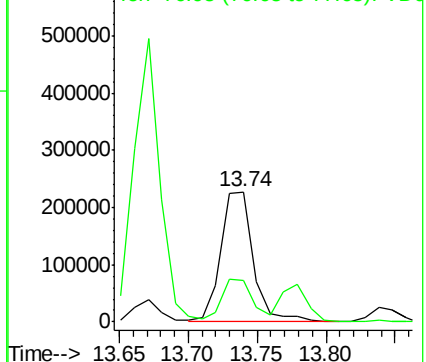
Ion Ratio Lower Upper

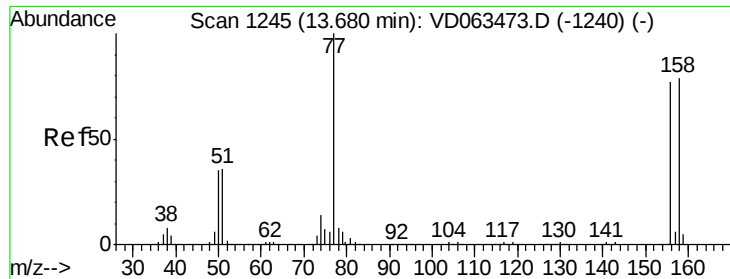
75 100

77 31.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

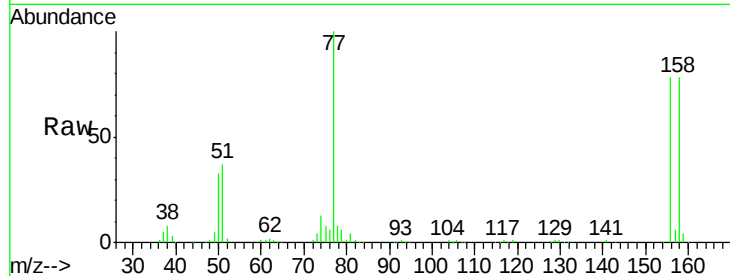




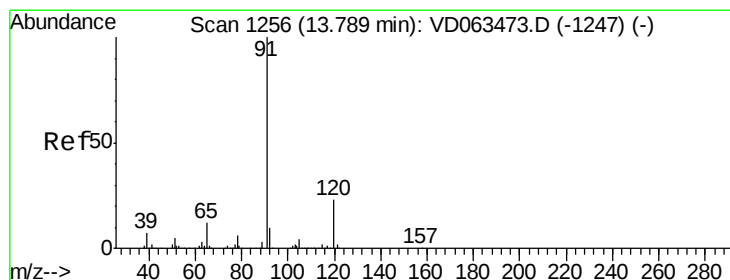
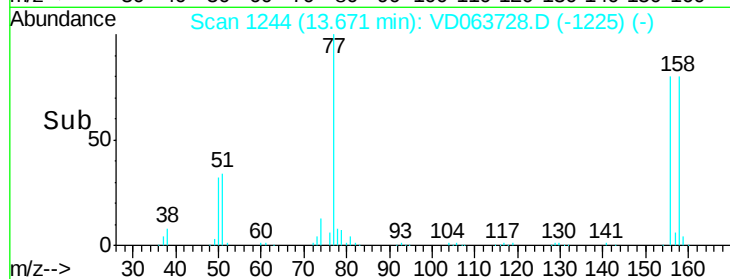
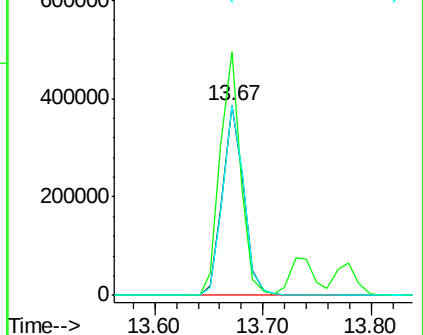
#77
Bromobenzene
Concen: 51.313 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 523890
Ion Ratio Lower Upper
156 100
77 128.5 64.6 193.8
158 100.4 50.9 152.7

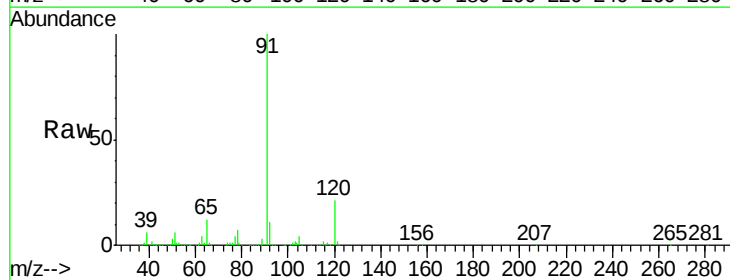


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

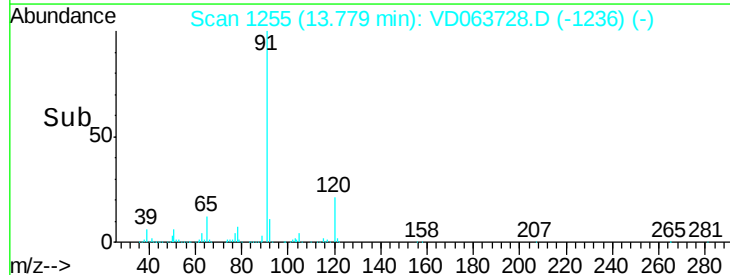
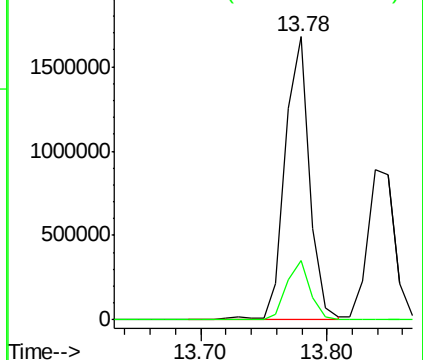


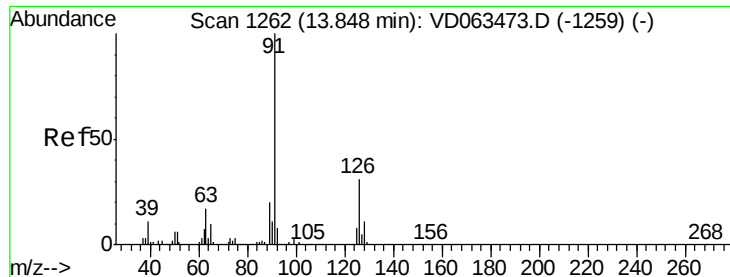
#78
n-propylbenzene
Concen: 51.603 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 91 Resp: 2255484
Ion Ratio Lower Upper
91 100
120 20.9 11.3 33.9



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





#79

2-Chlorotoluene

Concen: 52.936 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

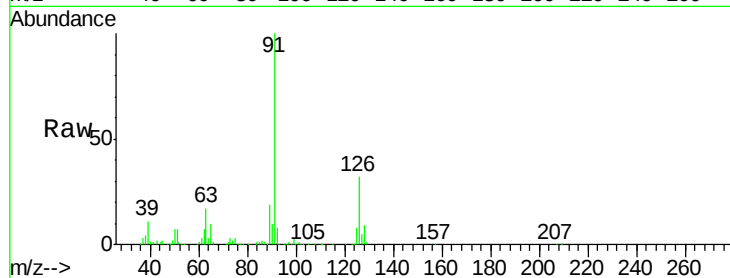
VSTDCCC050

Tot Ion: 91 Resp: 1334053

Ion Ratio Lower Upper

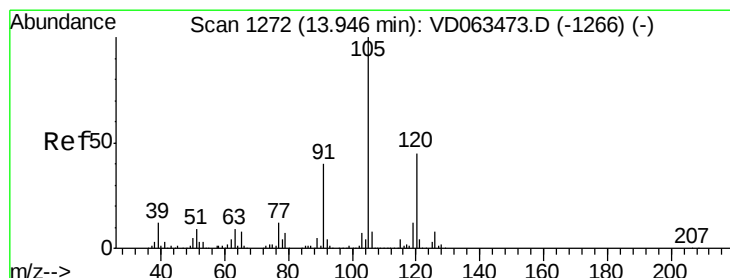
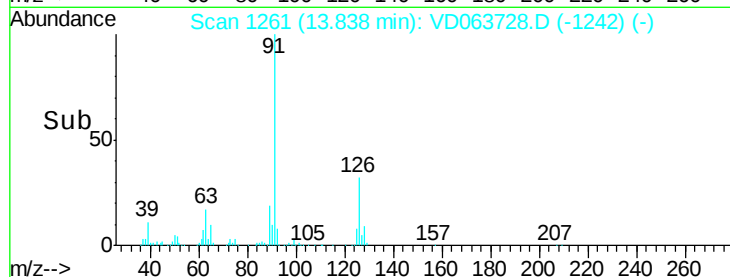
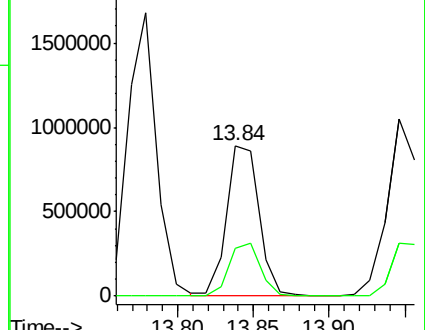
91 100

126 31.6 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: 48.272 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063728.D

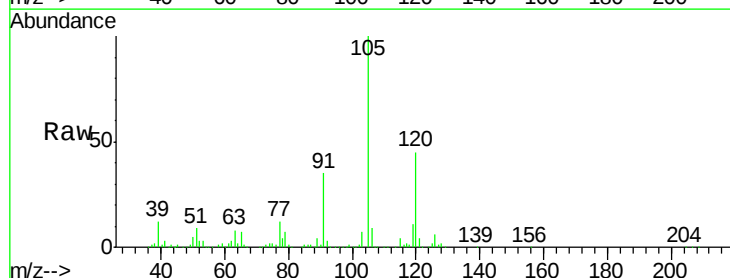
Acq: 22 Aug 2019 12:33

Tgt Ion:105 Resp: 1575598

Ion Ratio Lower Upper

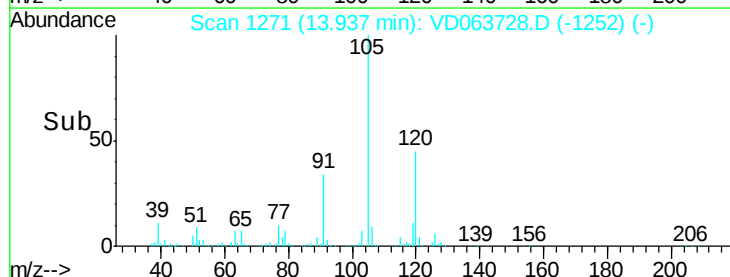
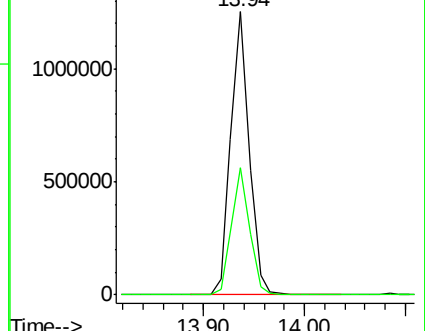
105 100

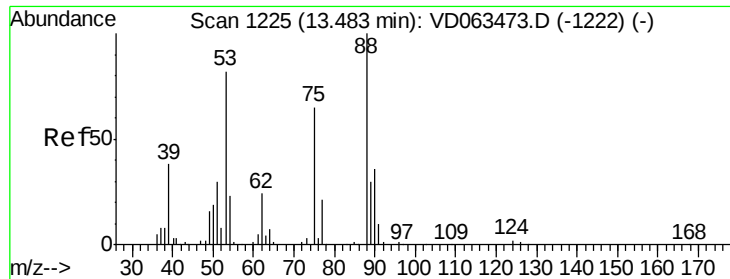
120 44.9 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

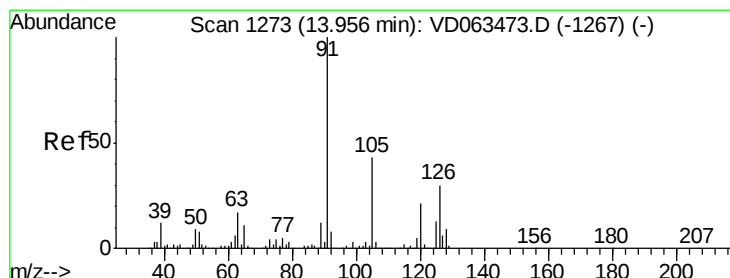
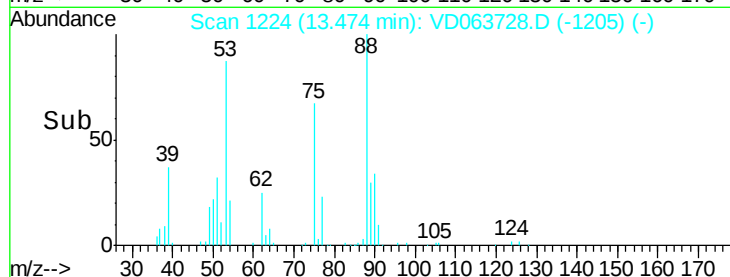
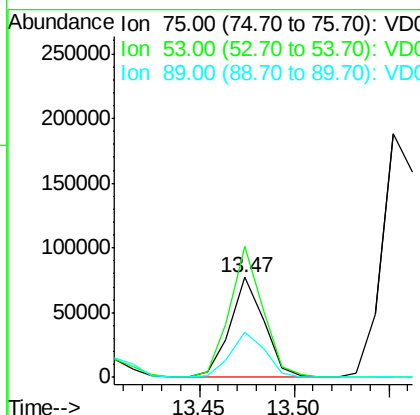
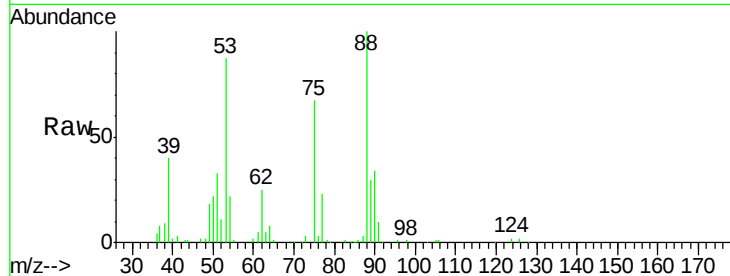




#81
trans-1,4-Dichloro-2-butene
Concen: 53.410 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

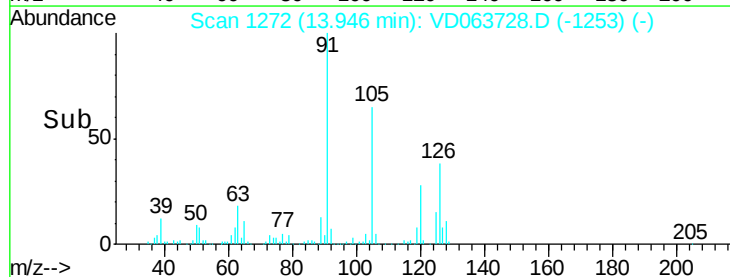
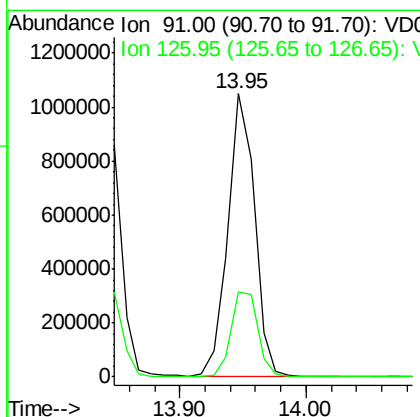
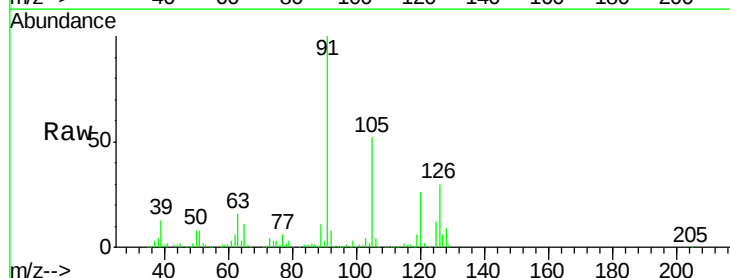
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

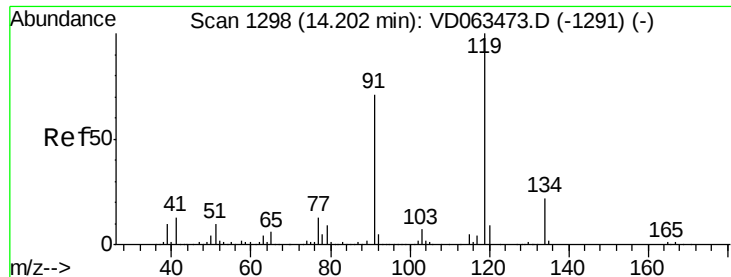
Tot Ion: 75 Resp: 96761
Ion Ratio Lower Upper
75 100
53 130.6 101.0 151.4
89 44.7 37.0 55.6



#82
4-Chlorotoluene
Concen: 50.383 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion: 91 Resp: 1526846
Ion Ratio Lower Upper
91 100
126 30.0 15.2 45.6





#83

tert-Butylbenzene

Concen: 51.783 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

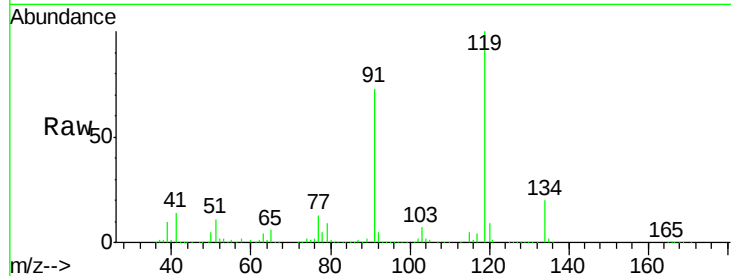
Tot Ion:119 Resp: 1779820

Ion Ratio Lower Upper

119 100

91 73.1 35.5 106.7

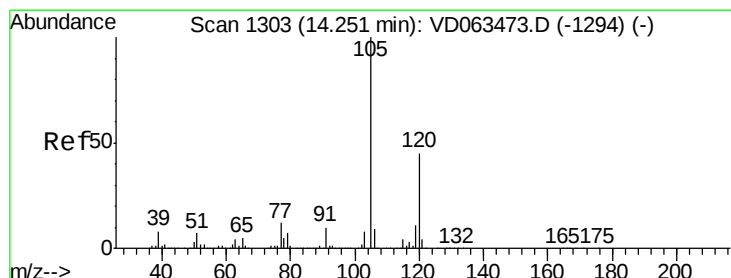
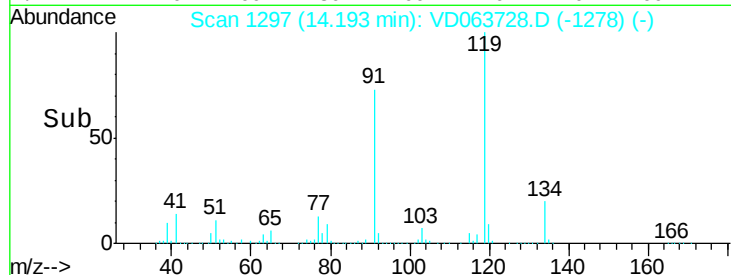
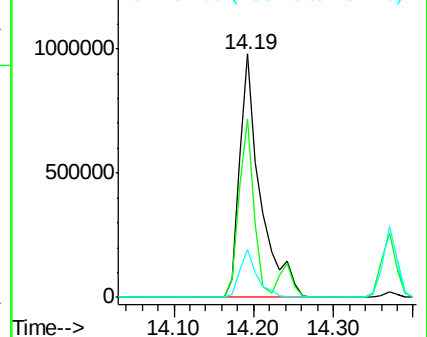
134 19.8 11.1 33.1



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: 52.948 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD063728.D

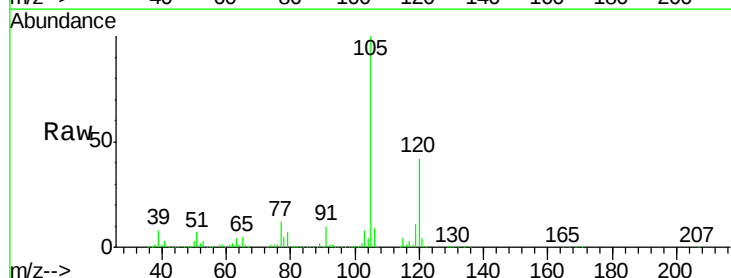
Acq: 22 Aug 2019 12:33

Tgt Ion:105 Resp: 1599069

Ion Ratio Lower Upper

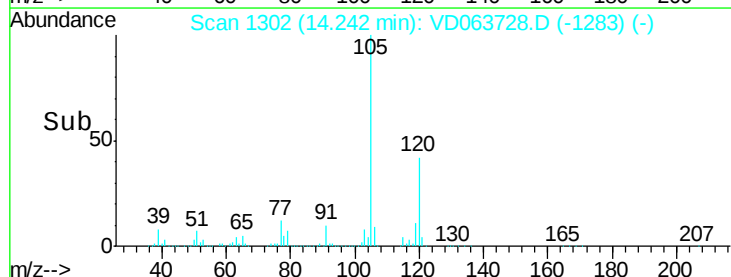
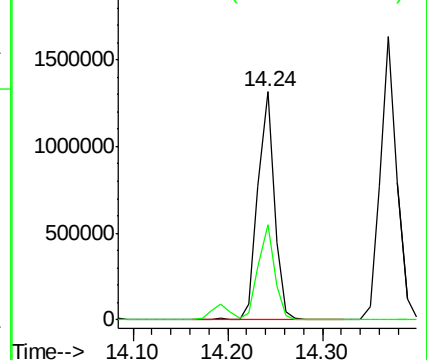
105 100

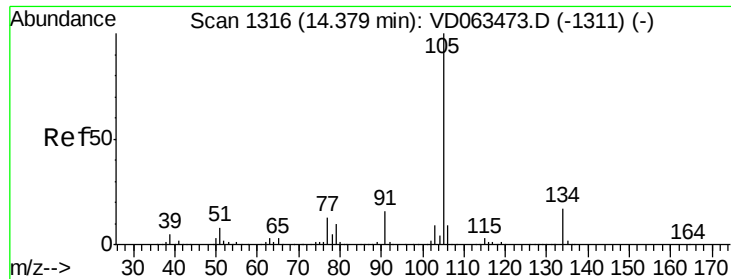
120 41.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

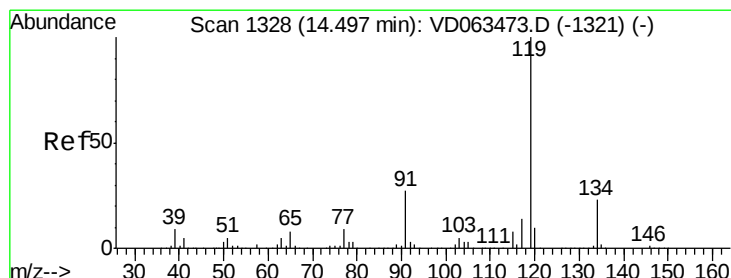
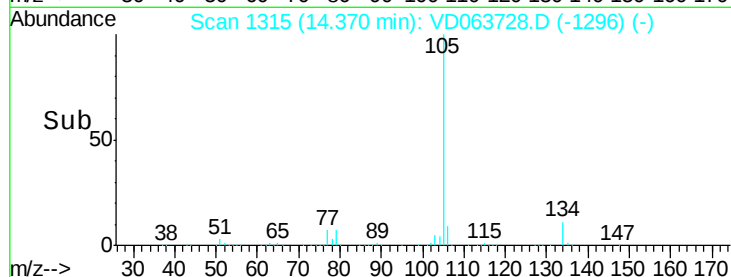
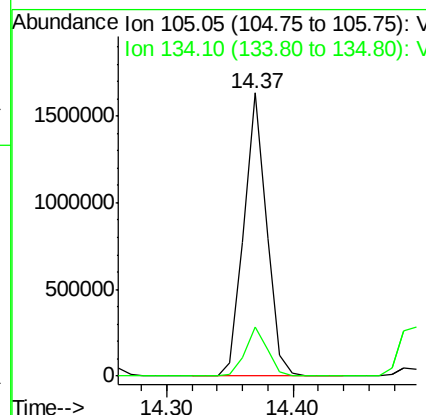
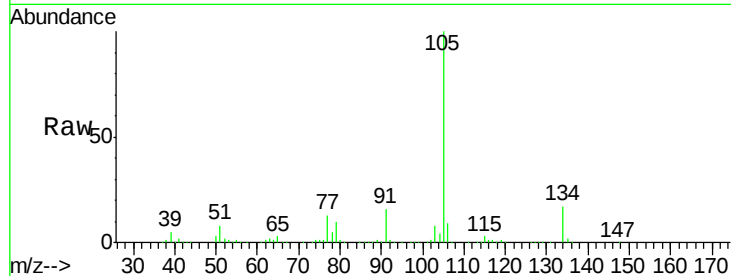




#85
 sec-Butylbenzene
 Concen: 55.214 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

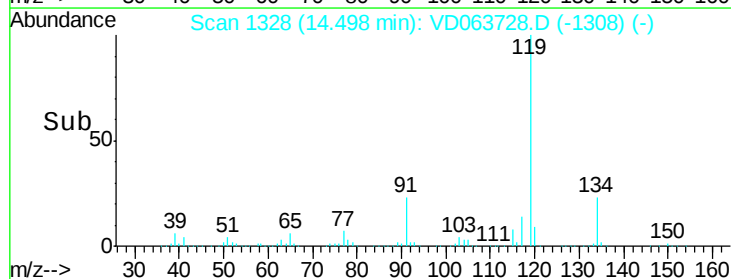
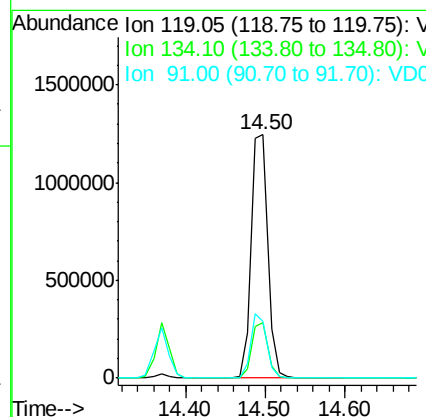
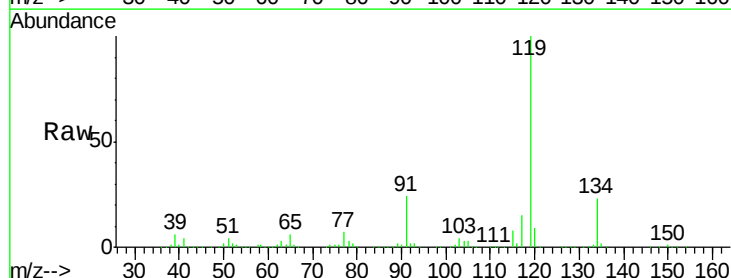
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

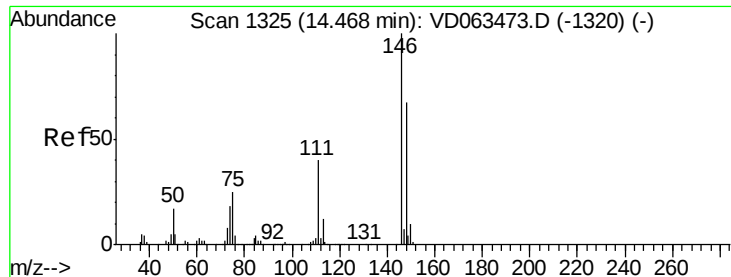
Tot Ion:105 Resp: 2015392
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 50.955 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion:119 Resp: 1778369
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.3 33.8
 91 23.5 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 52.059 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

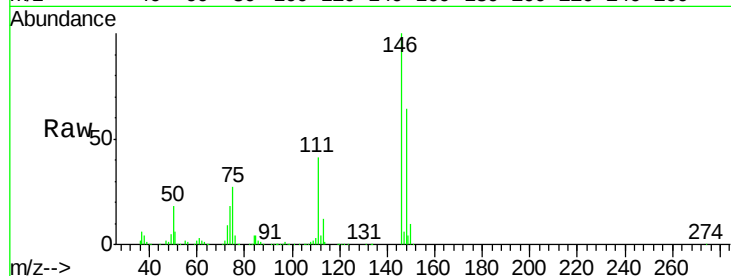
Tot Ion:146 Resp: 961384

Ion Ratio Lower Upper

146 100

111 40.8 20.0 60.0

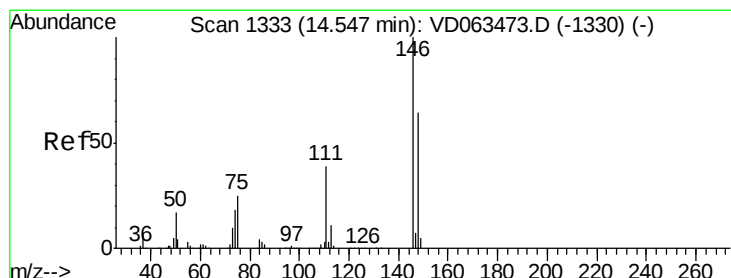
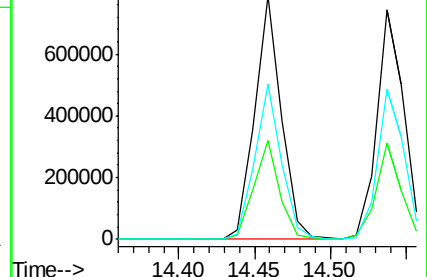
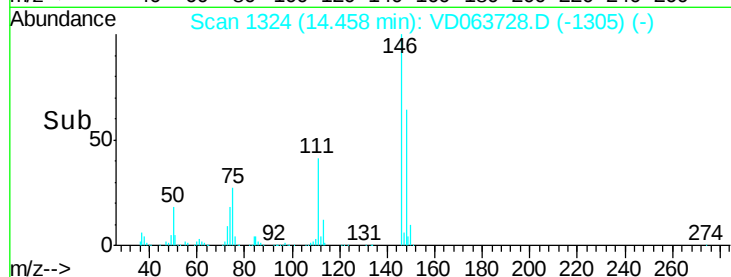
148 63.9 33.6 100.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.544 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

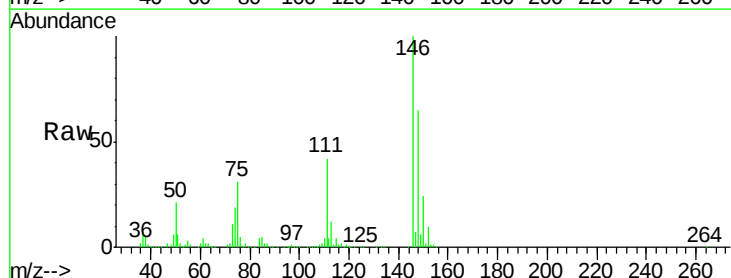
Tgt Ion:146 Resp: 930981

Ion Ratio Lower Upper

146 100

111 41.8 19.7 59.0

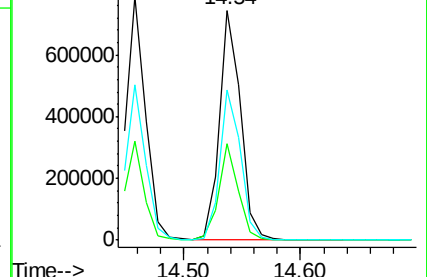
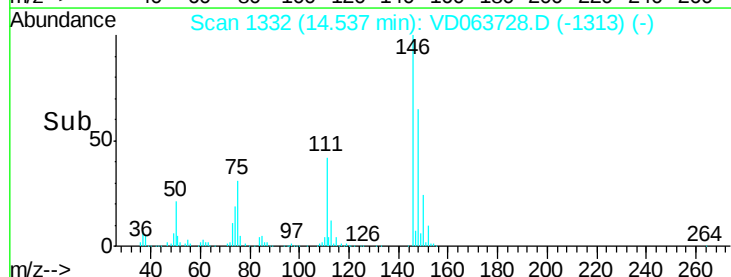
148 65.2 32.1 96.3

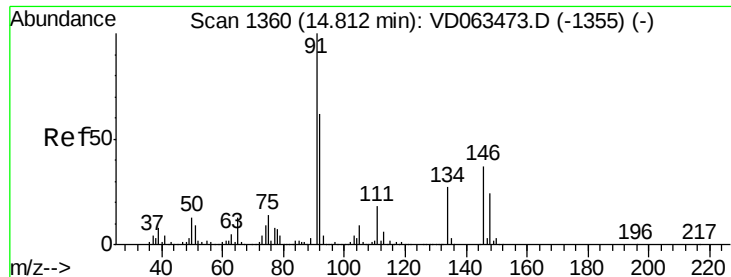


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.487 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063728.D

Acq: 22 Aug 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

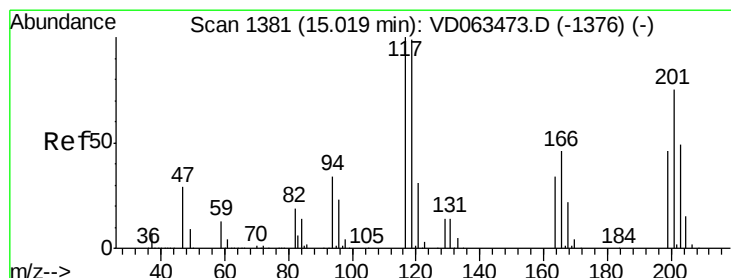
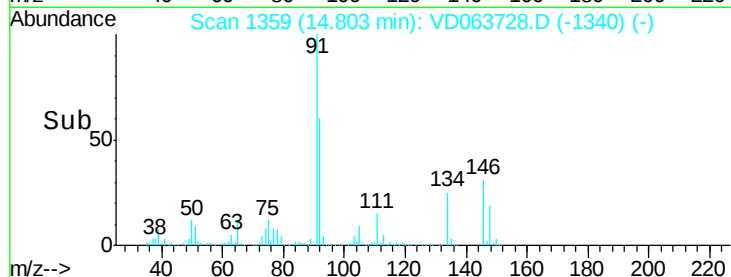
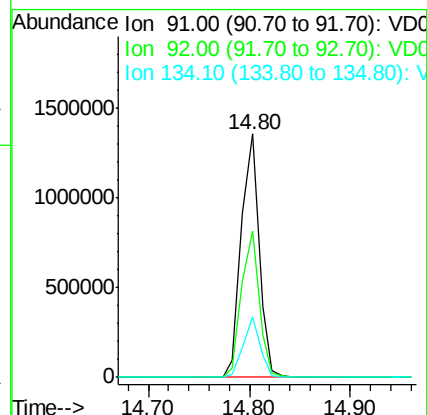
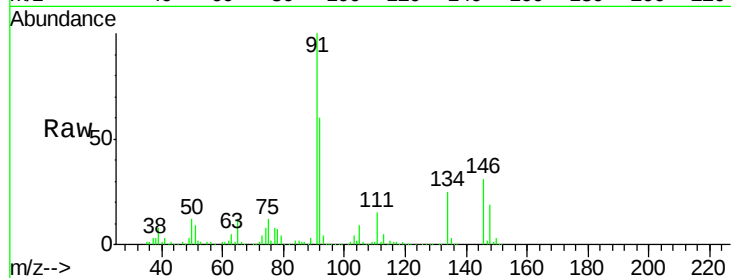
Tot Ion: 91 Resp: 1671870

Ion Ratio Lower Upper

91 100

92 59.9 30.8 92.3

134 24.6 13.4 40.2



#90

Hexachloroethane

Concen: 55.028 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063728.D

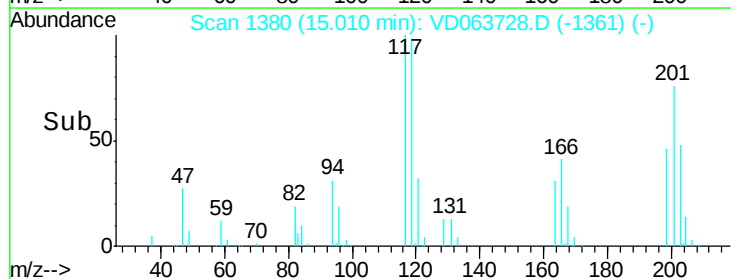
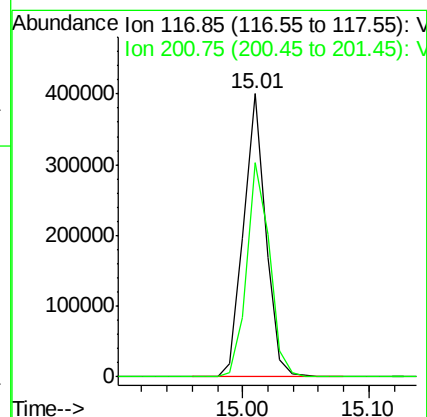
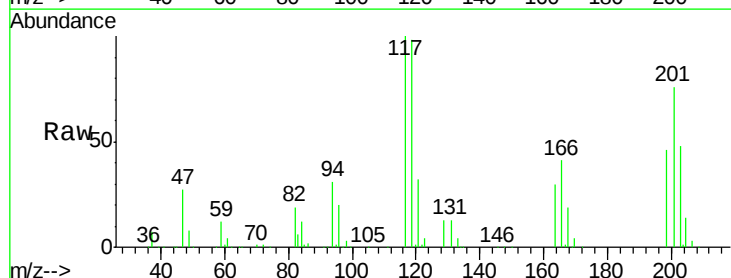
Acq: 22 Aug 2019 12:33

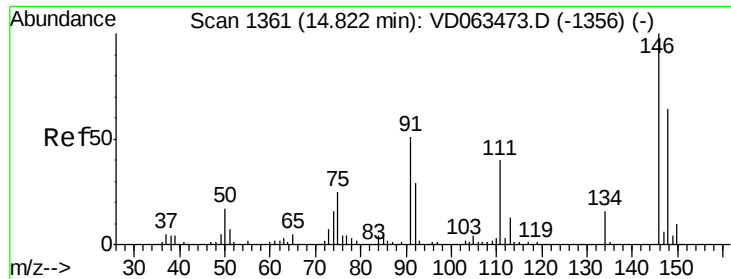
Tgt Ion: 117 Resp: 482717

Ion Ratio Lower Upper

117 100

201 75.6 37.5 112.5

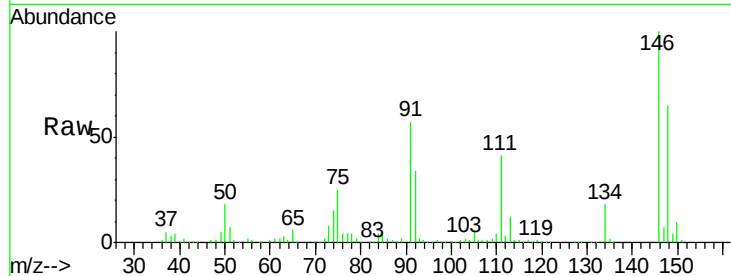




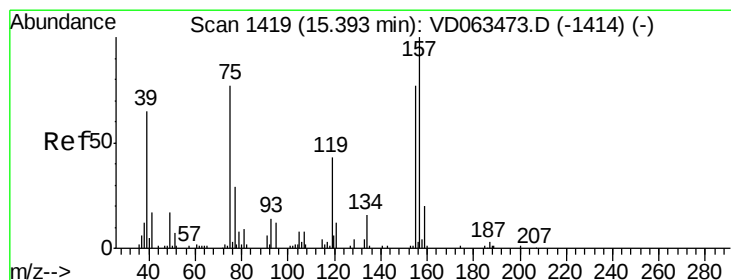
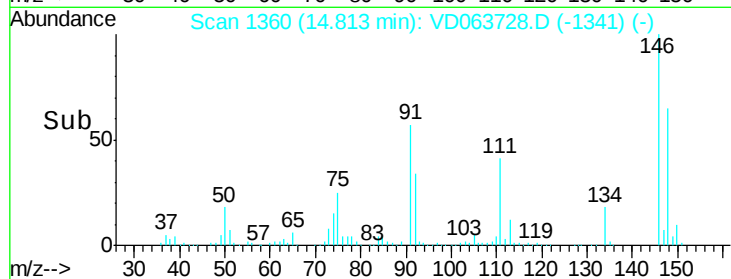
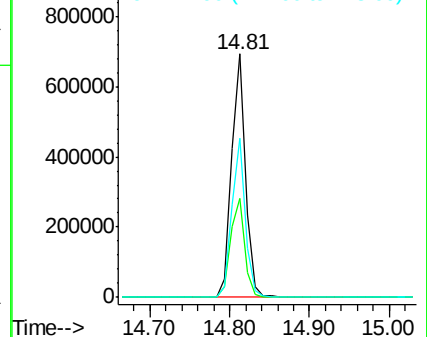
#91
 1,2-Dichlorobenzene
 Concen: 54.805 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 858694
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.2 60.6
 148 65.5 32.1 96.5

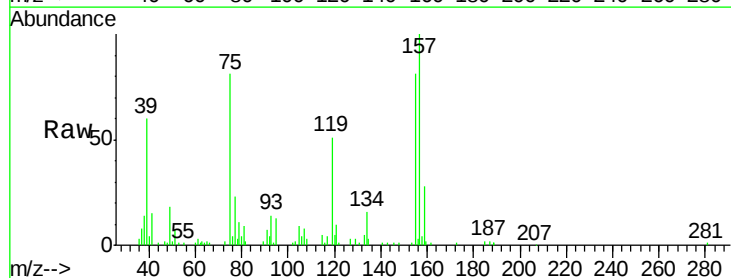


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

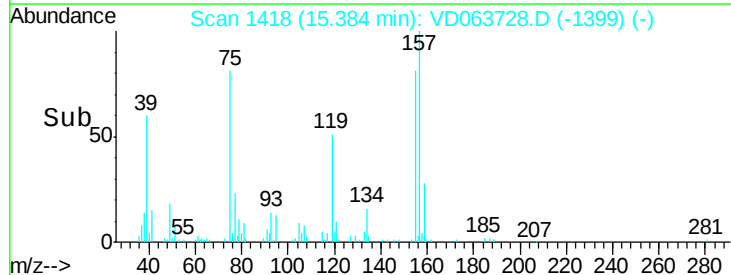
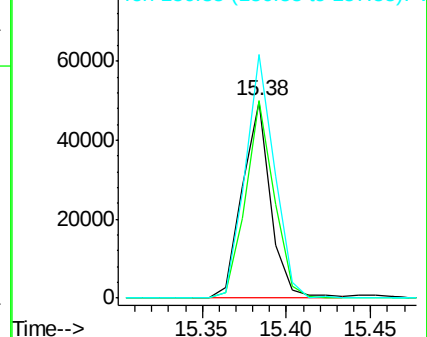


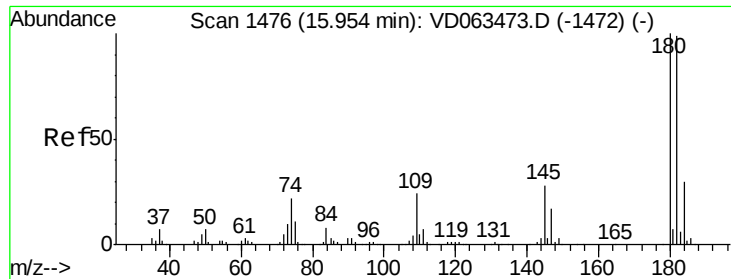
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.740 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion: 75 Resp: 58072
 Ion Ratio Lower Upper
 75 100
 155 100.2 50.1 150.3
 157 123.7 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

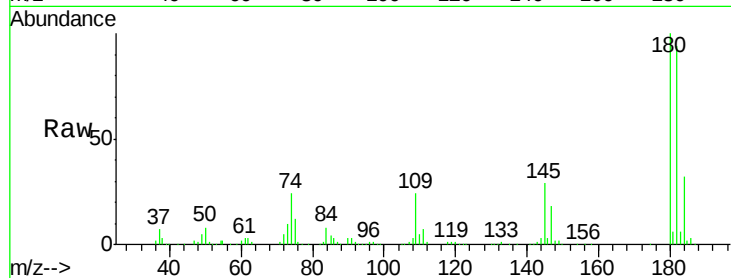




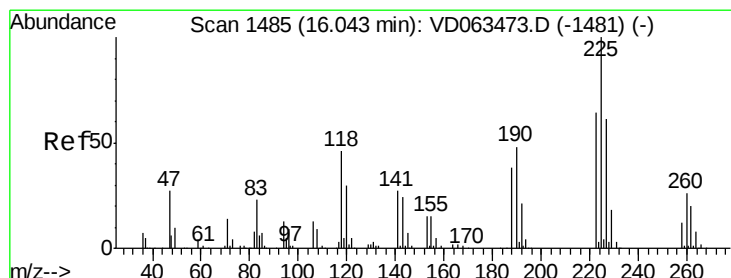
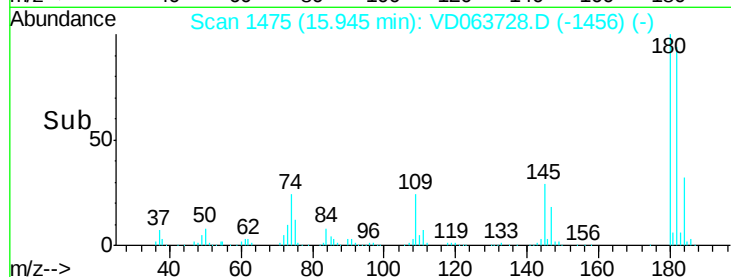
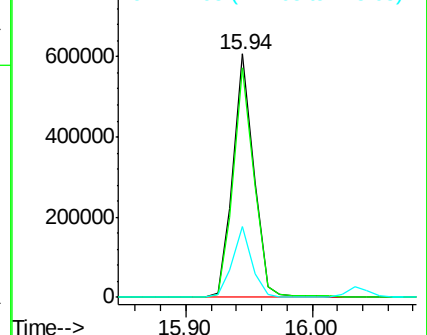
#93
 1,2,4-Trichlorobenzene
 Concen: 60.082 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 692688
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.7 149.1
 145 29.3 14.1 42.2

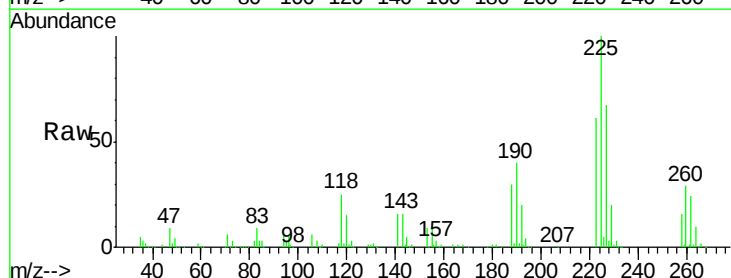


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

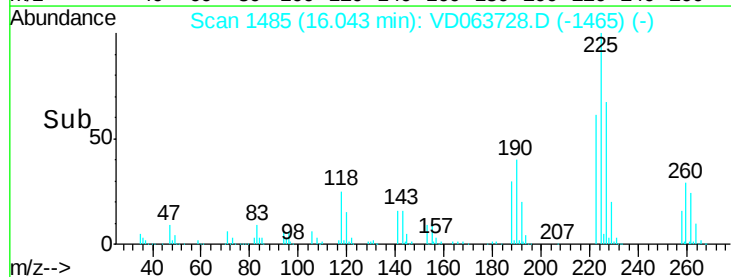
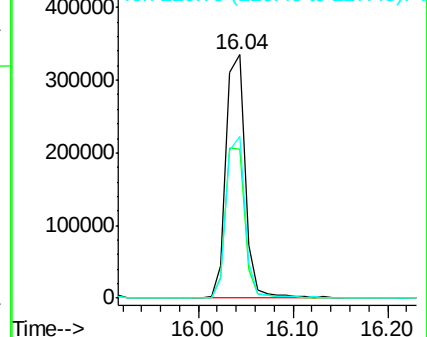


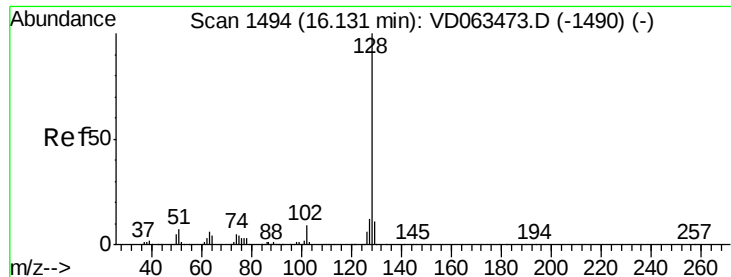
#94
 Hexachlorobutadiene
 Concen: 53.676 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063728.D
 Acq: 22 Aug 2019 12:33

Tgt Ion:225 Resp: 471638
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.5
 227 66.7 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

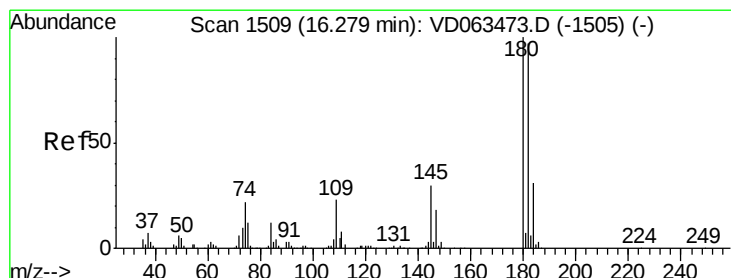
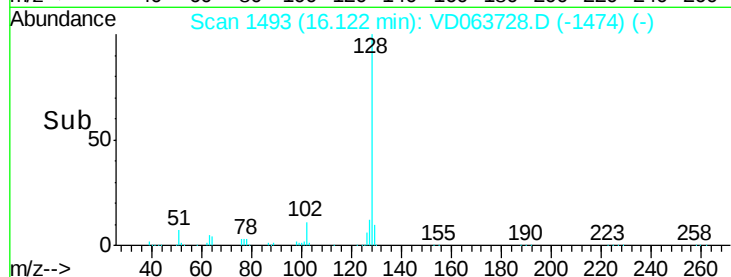
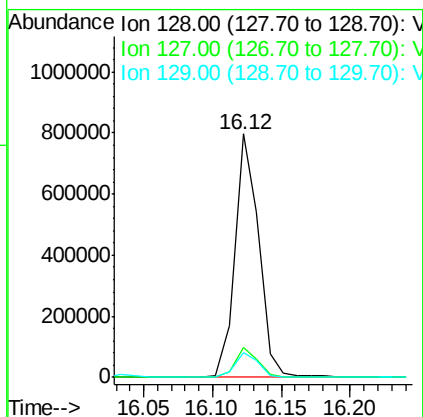
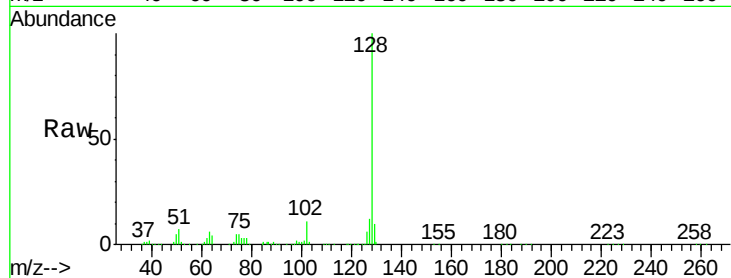




#95
Naphthalene
Concen: 54.802 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 957522
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.0
129 10.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 57.782 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063728.D
Acq: 22 Aug 2019 12:33

Tgt Ion:180 Resp: 538057
Ion Ratio Lower Upper
180 100
182 95.9 48.4 145.2
145 30.4 14.9 44.9

