

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062740.D
 Acq On : 17 Jun 2019 21:22
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 18 06:26:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	587569	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	836759	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	711789	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	422774	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	412180	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	6.93	113	425300	48.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.41	98	903251	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	13.56	95	414357	47.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	303420	44.115	ug/l	97
3) Chloromethane	1.74	50	276826	47.616	ug/l	98
4) Vinyl Chloride	1.84	62	279702	46.656	ug/l	99
5) Bromomethane	2.14	94	161000	53.203	ug/l	93
6) Chloroethane	2.26	64	152131	51.399	ug/l	93
7) Trichlorofluoromethane	2.53	101	686360	51.150	ug/l	98
8) Diethyl Ether	2.86	74	79524	43.574	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	374873	51.802	ug/l	95
10) Methyl Iodide	3.30	142	439238	42.469	ug/l	94
11) Tert butyl alcohol	4.06	59	90821	260.597	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	264082	50.850	ug/l	94
13) Acrolein	3.02	56	16587	147.958	ug/l	90
14) Allyl chloride	3.61	41	409617	51.297	ug/l	92
15) Acrylonitrile	4.19	53	203739	257.258	ug/l	97
16) Acetone	3.22	43	398563	256.713	ug/l	100
17) Carbon Disulfide	3.37	76	752586	49.176	ug/l	98
18) Methyl Acetate	3.63	43	125677	49.256	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	655900	51.784	ug/l	95
20) Methylene Chloride	3.80	84	266929	45.464	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	293348	51.495	ug/l	91
22) Diisopropyl ether	5.12	45	847001	51.084	ug/l	93
23) Vinyl Acetate	5.05	43	2767163	269.017	ug/l	100
24) 1,1-Dichloroethane	4.97	63	552459	51.794	ug/l	99
25) 2-Butanone	6.06	43	393099	259.530	ug/l	96
26) 2,2-Dichloropropane	6.02	77	611525	49.745	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	324743	52.585	ug/l	95
28) Bromochloromethane	6.44	49	203298	49.860	ug/l	96
29) Tetrahydrofuran	6.46	42	177092	259.629	ug/l	99
30) Chloroform	6.66	83	691243	50.510	ug/l	94
31) Cyclohexane	6.95	56	366473	54.771	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	741369	54.442	ug/l	99
36) 1,1-Dichloropropene	7.15	75	460975	48.135	ug/l	99
37) Ethyl Acetate	6.18	43	199427	48.867	ug/l	97
38) Carbon Tetrachloride	7.11	117	787984	52.057	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	390496	50.459	ug/l	96
40) Benzene	7.46	78	929845	49.718	ug/l	97
41) Methacrylonitrile	6.45	41	245491	48.969	ug/l	92
42) 1,2-Dichloroethane	7.58	62	549236	49.271	ug/l	99
43) Isopropyl Acetate	9.25	43	250794	49.632	ug/l #	99
44) Trichloroethene	8.54	130	373858	49.239	ug/l	93
45) 1,2-Dichloropropane	8.95	63	225725	50.247	ug/l	95
46) Dibromomethane	9.07	93	208008	52.164	ug/l	97
47) Bromodichloromethane	9.38	83	569857	52.535	ug/l	95
48) Methyl methacrylate	9.12	41	182860	50.091	ug/l #	89
49) 1,4-Dioxane	9.09	88	30523	938.084	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	906277	256.319	ug/l	99
52) Toluene	10.52	92	600479	47.765	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	475839	53.504	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	468346	50.952	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	208942	48.464	ug/l	98
56) Ethyl methacrylate	11.05	69	233519	45.352	ug/l	96
57) 1,3-Dichloropropane	11.42	76	343989	51.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	522782	226.876	ug/l	99
59) 2-Hexanone	11.55	43	649998	247.139	ug/l	99
60) Dibromochloromethane	11.69	129	425232	49.965	ug/l	98
61) 1,2-Dibromoethane	11.82	107	268705	52.076	ug/l	92
64) Tetrachloroethene	11.27	164	363991	54.628	ug/l	97
65) Chlorobenzene	12.41	112	811489	51.541	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	383666	51.094	ug/l	98
67) Ethyl Benzene	12.54	91	1429876	51.222	ug/l	99
68) m/p-Xylenes	12.68	106	954177	97.229	ug/l	97
69) o-Xylene	13.06	106	444809	49.352	ug/l	94
70) Styrene	13.08	104	774786	48.178	ug/l	98
71) Bromoform	13.25	173	275604	47.966	ug/l	95
73) Isopropylbenzene	13.42	105	1532935	51.442	ug/l	98
74) N-amyl acetate	13.28	43	376168	46.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	241521	47.368	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	271446	47.353	ug/l	99
77) Bromobenzene	13.68	156	423505	49.724	ug/l	94
78) n-propylbenzene	13.79	91	1703314	46.697	ug/l	97
79) 2-Chlorotoluene	13.85	91	968665	45.355	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	1290989	49.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	70690	42.238	ug/l	94
82) 4-Chlorotoluene	13.96	91	1230028	48.159	ug/l	96
83) tert-Butylbenzene	14.20	119	1472020	50.676	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	1272956	48.817	ug/l	100
85) sec-Butylbenzene	14.38	105	1429205	46.922	ug/l	98
86) p-Isopropyltoluene	14.51	119	1344164	45.325	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	746623	48.389	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	756227	51.861	ug/l	97
89) n-Butylbenzene	14.81	91	1321323	49.526	ug/l	97
90) Hexachloroethane	15.02	117	380808	48.640	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	640452	49.934	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.40	75	46943	43.101	ug/l #	51

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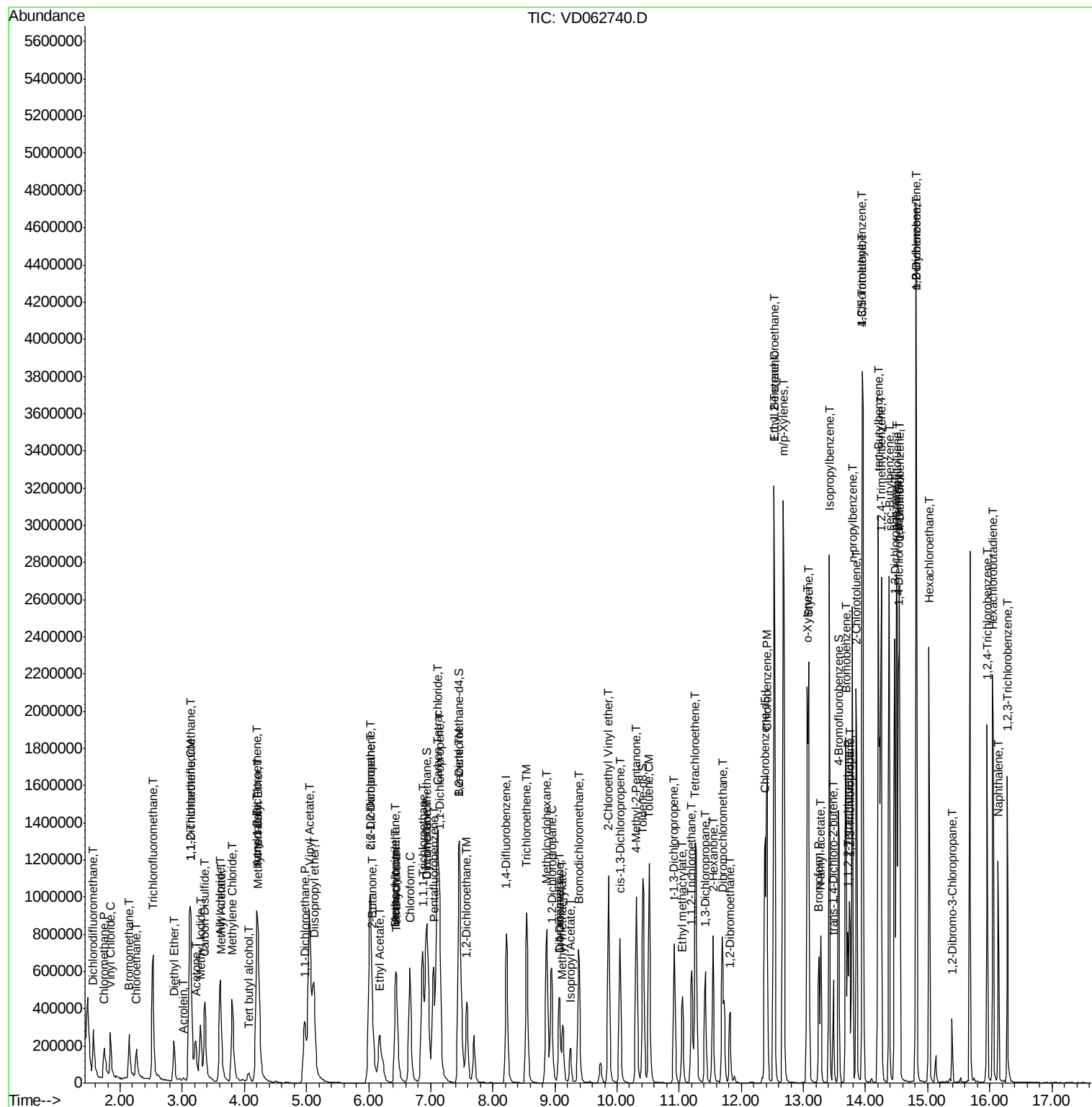
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	458018	42.660	ug/l	94
94) Hexachlorobutadiene	16.05	225	377062	49.793	ug/l	99
95) Naphthalene	16.13	128	666849	43.921	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	370796	50.192	ug/l	98

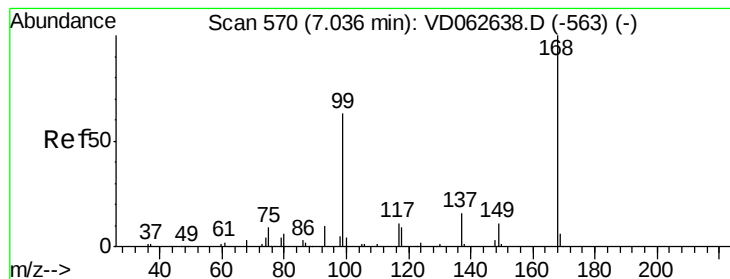
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

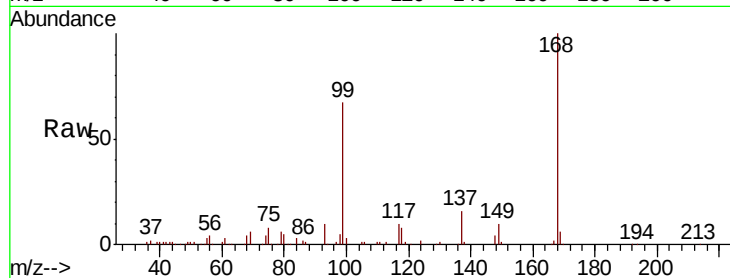
VSTDCCC050EC

Tot Ion:168 Resp: 587569

Ion Ratio Lower Upper

168 100

99 66.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

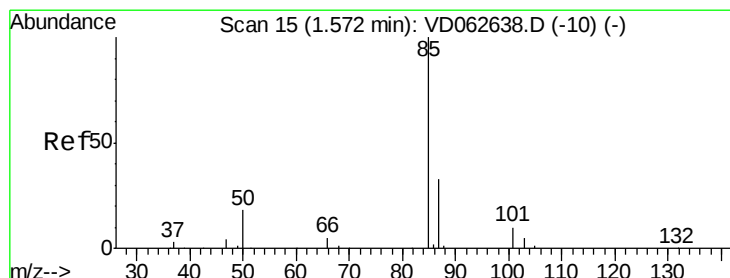
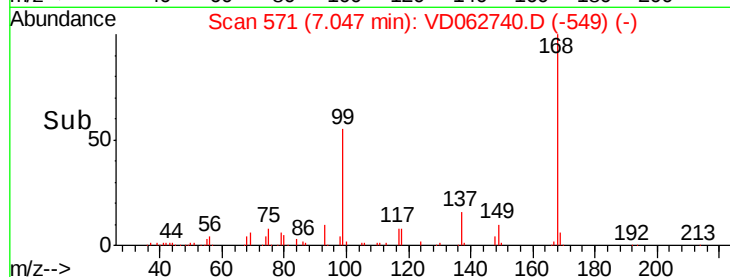
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 44.115 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062740.D

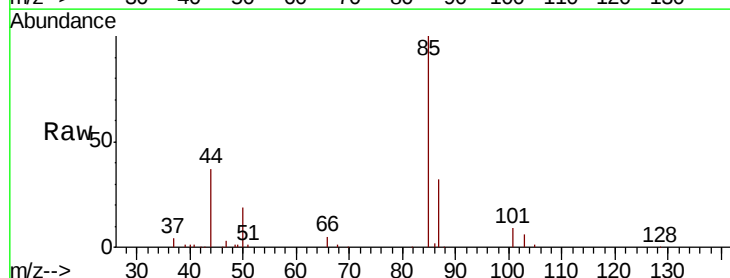
Acq: 17 Jun 2019 21:22

Tgt Ion: 85 Resp: 303420

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

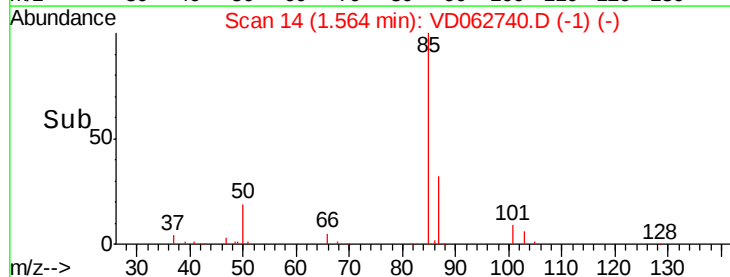
100000

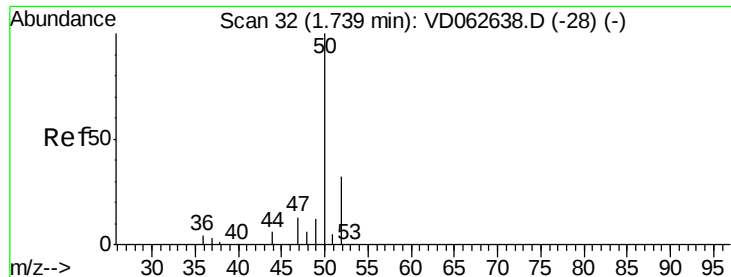
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 47.616 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

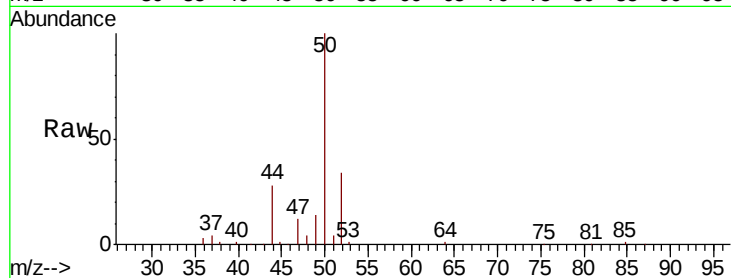
VSTDCCC050EC

Tot Ion: 50 Resp: 276826

Ion Ratio Lower Upper

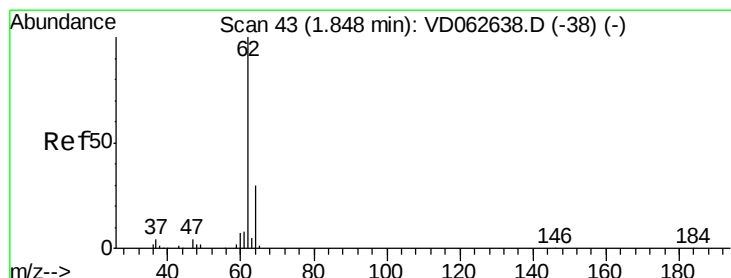
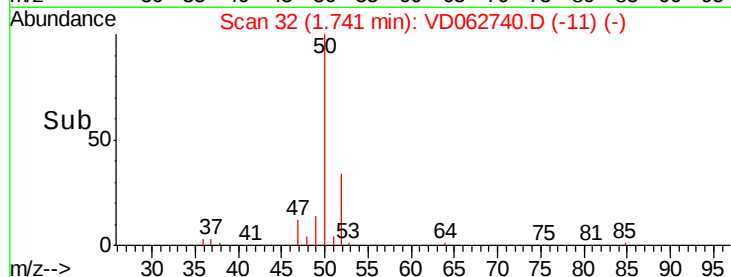
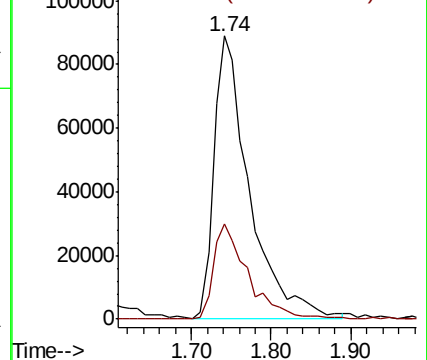
50 100

52 33.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.656 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062740.D

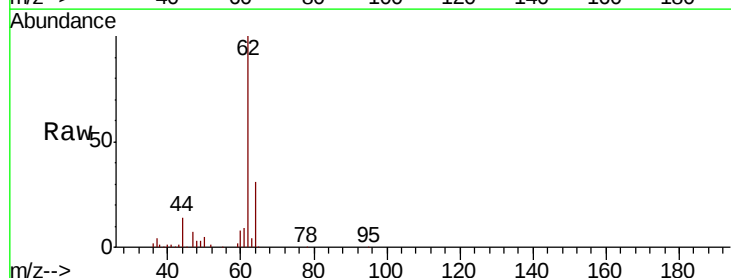
Acq: 17 Jun 2019 21:22

Tgt Ion: 62 Resp: 279702

Ion Ratio Lower Upper

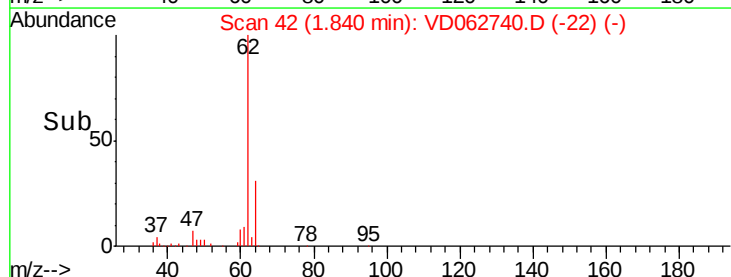
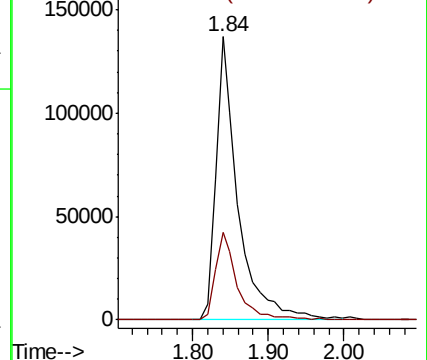
62 100

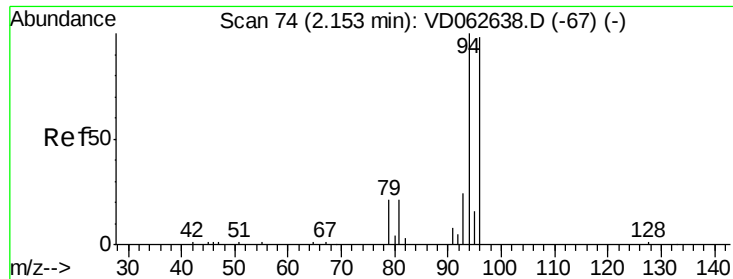
64 30.7 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.203 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

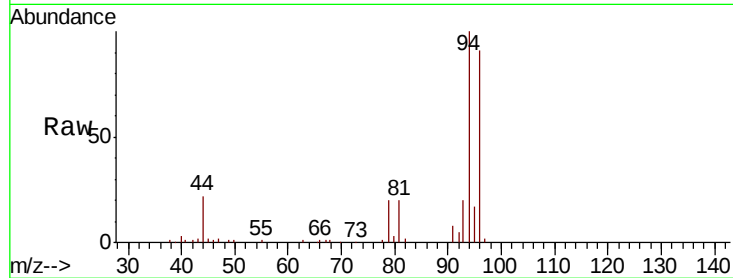
Tot Ion: 94 Resp: 161000

Ion Ratio Lower Upper

94 100

96 91.0 78.1 117.1

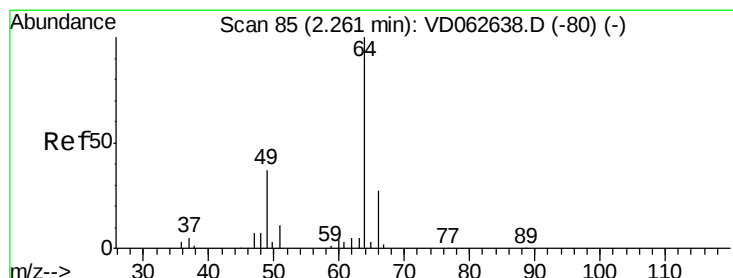
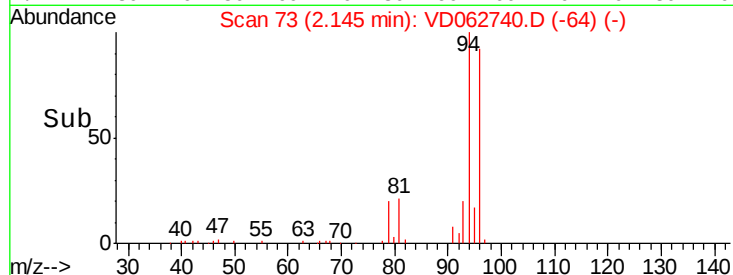
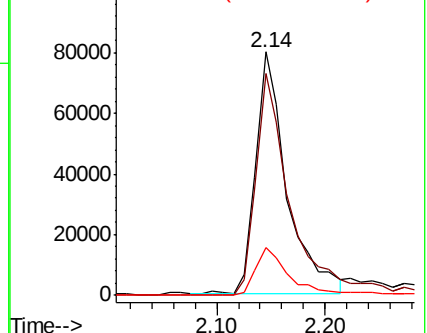
93 19.8 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 51.399 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062740.D

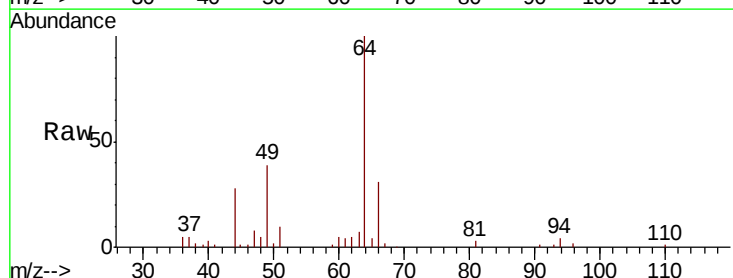
Acq: 17 Jun 2019 21:22

Tgt Ion: 64 Resp: 152131

Ion Ratio Lower Upper

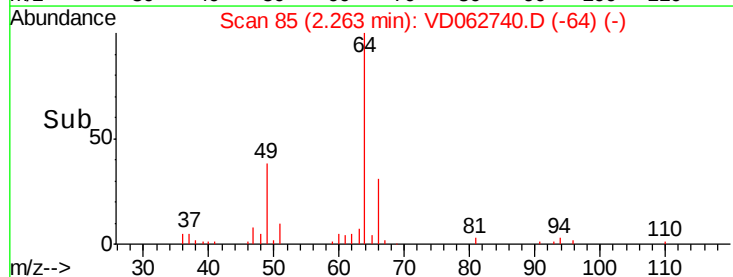
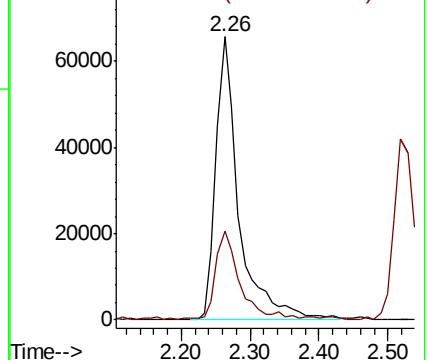
64 100

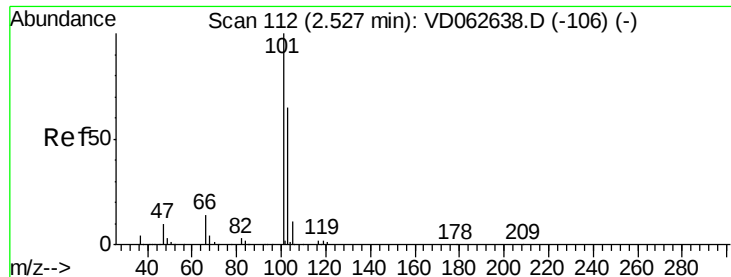
66 31.2 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



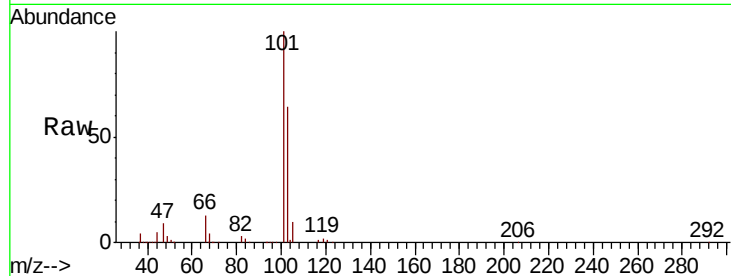


#7

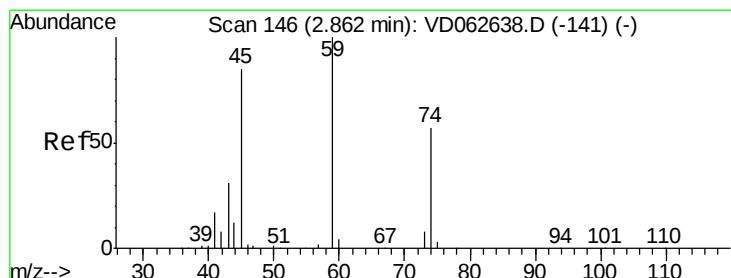
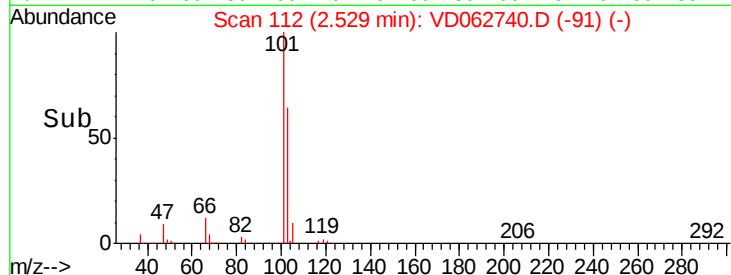
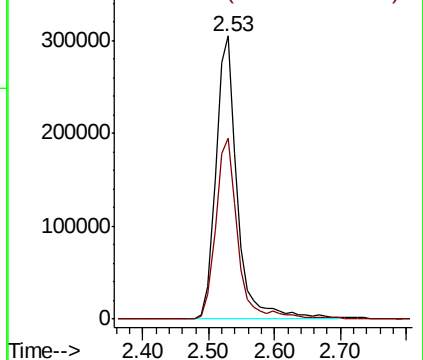
Trichlorofluoromethane
 Concen: 51.150 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 686360
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.2



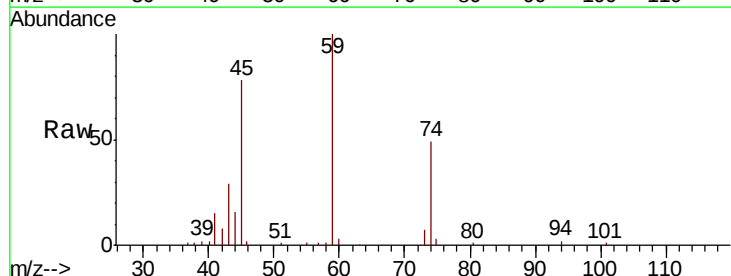
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



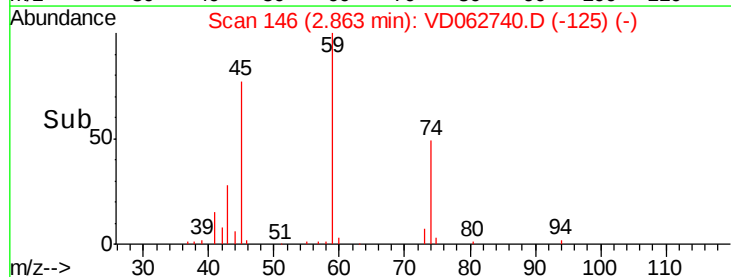
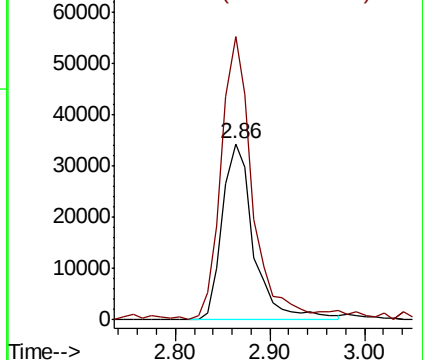
#8

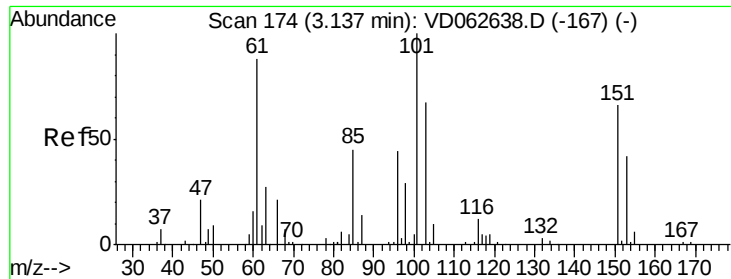
Diethyl Ether
 Concen: 43.574 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD062740.D
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Tgt Ion: 74 Resp: 79524
 Ion Ratio Lower Upper
 74 100
 45 160.9 74.9 224.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.802 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

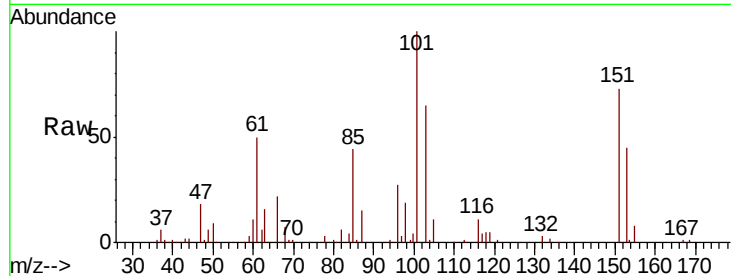
Tot Ion:101 Resp: 374873

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

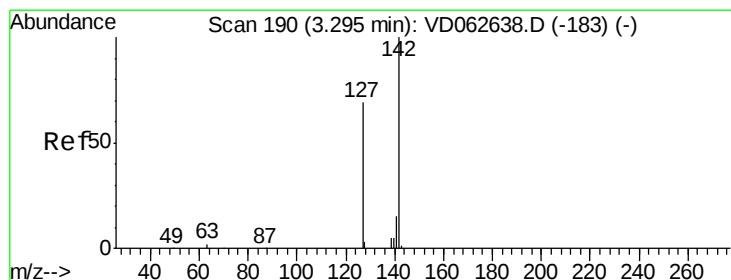
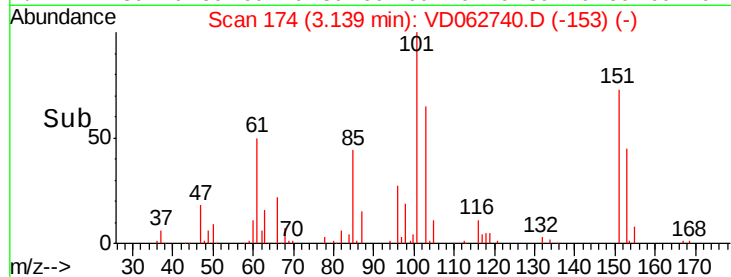
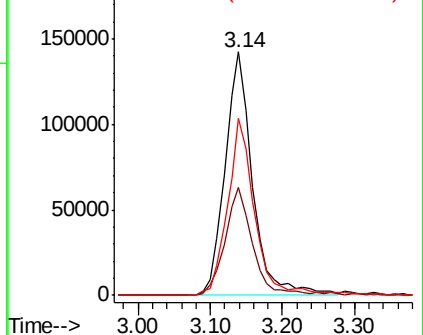
151 72.6 52.6 79.0



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: 42.469 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

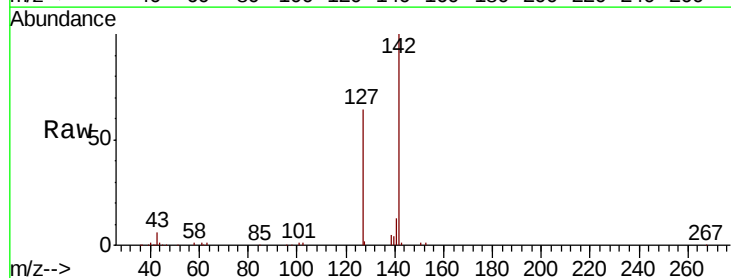
Tgt Ion:142 Resp: 439238

Ion Ratio Lower Upper

142 100

127 64.3 55.2 82.8

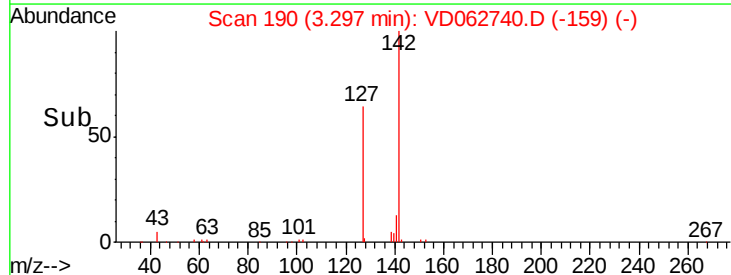
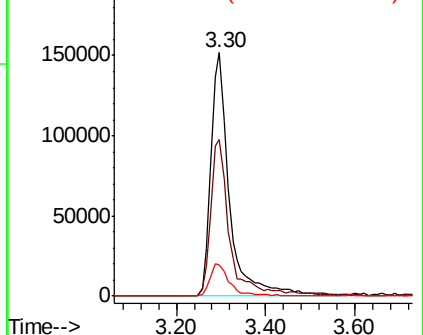
141 12.8 12.1 18.1

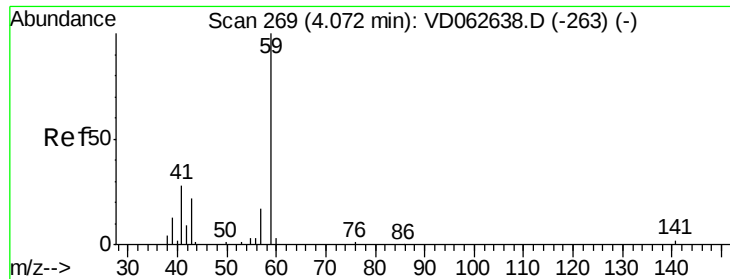


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

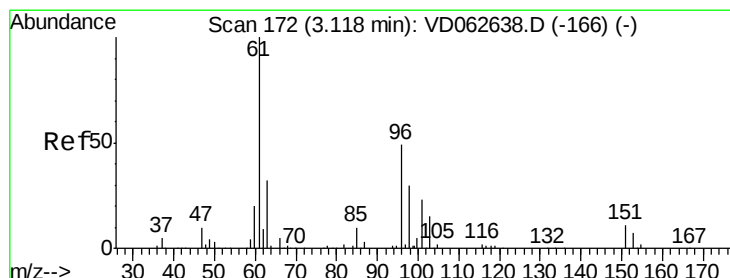
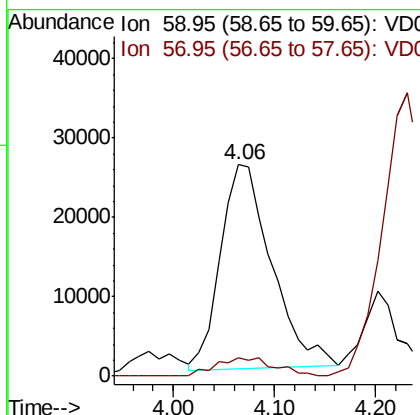
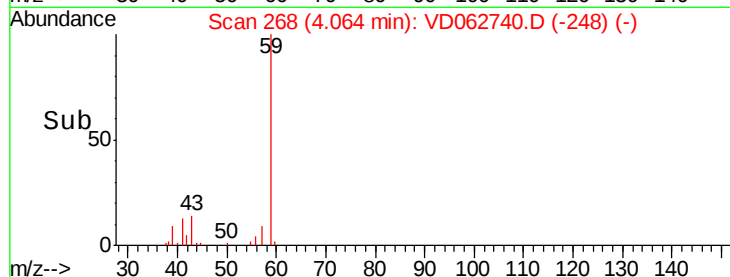
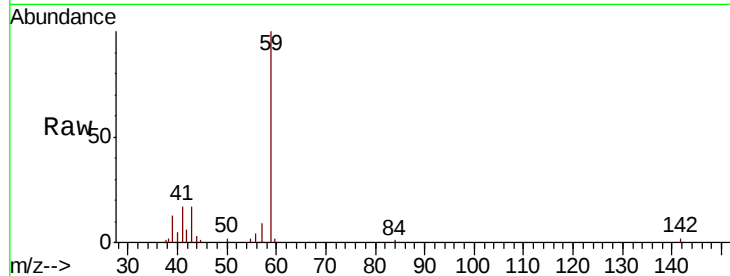




#11
Tert butyl alcohol
Concen: 260.597 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

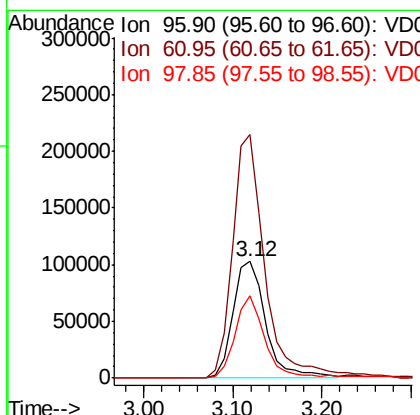
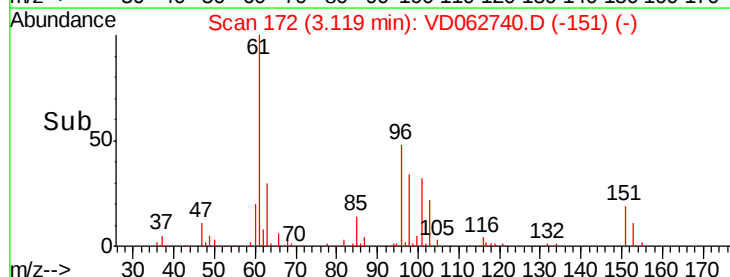
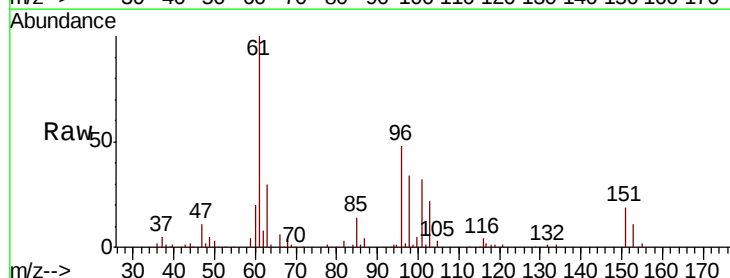
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

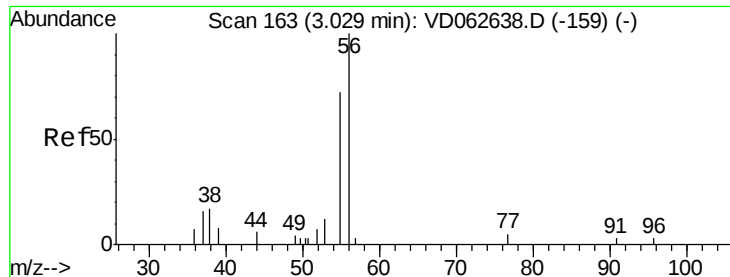
Tot Ion: 59 Resp: 90821
Ion Ratio Lower Upper
59 100
57 9.0 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 50.850 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 96 Resp: 264082
Ion Ratio Lower Upper
96 100
61 208.6 161.8 242.8
98 70.1 48.2 72.4





#13

Acrolein

Concen: 147.958 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

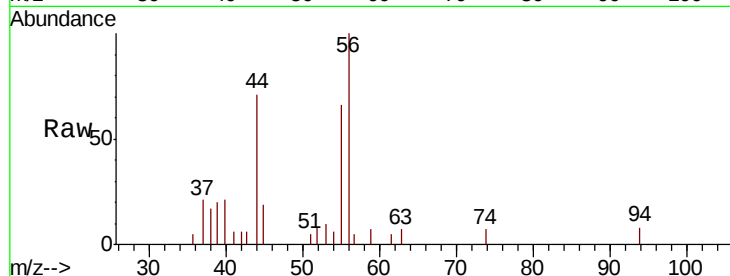
VSTDCCC050EC

Tot Ion: 56 Resp: 16587

Ion Ratio Lower Upper

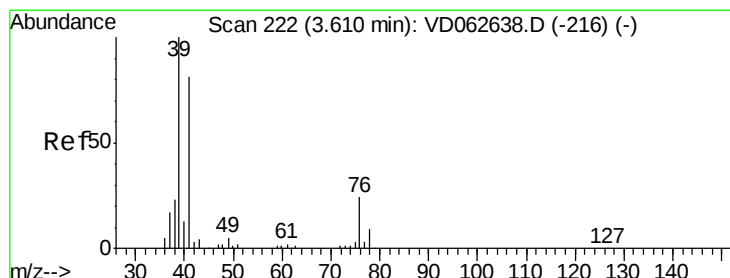
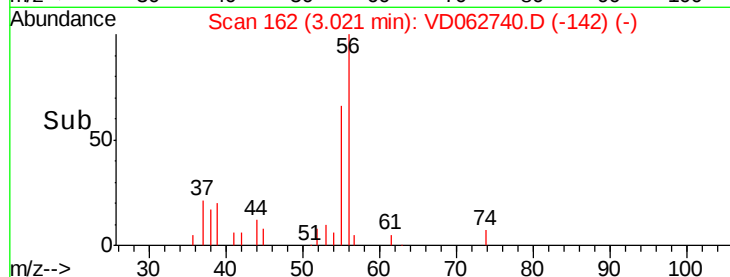
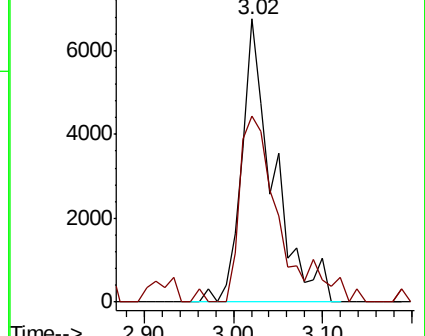
56 100

55 66.0 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

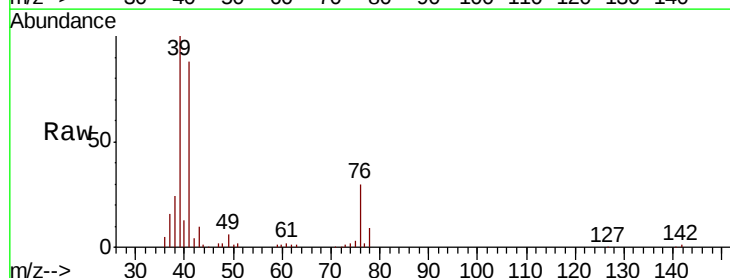
Tgt Ion: 41 Resp: 409617

Ion Ratio Lower Upper

41 100

39 113.1 99.1 148.7

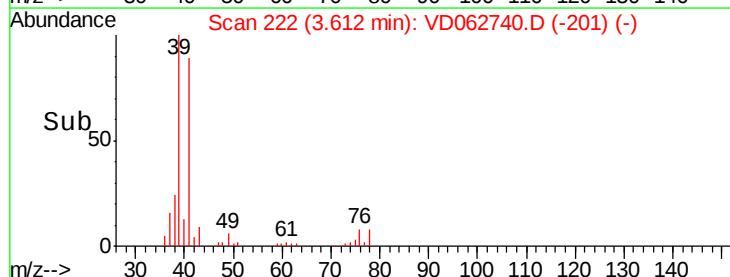
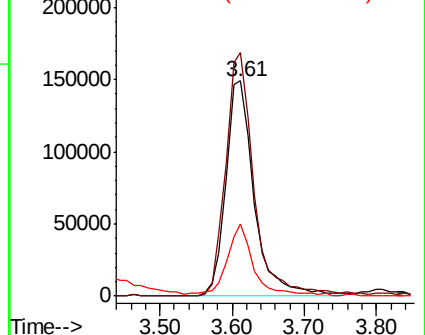
76 33.6 25.0 37.6

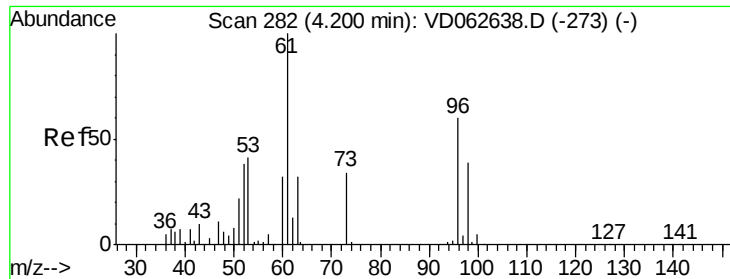


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 257.258 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

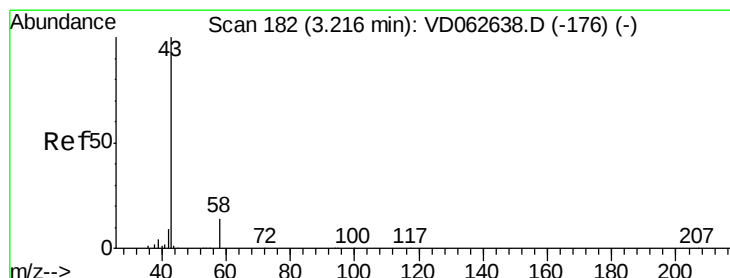
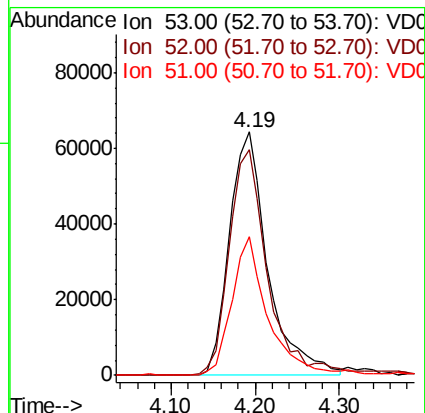
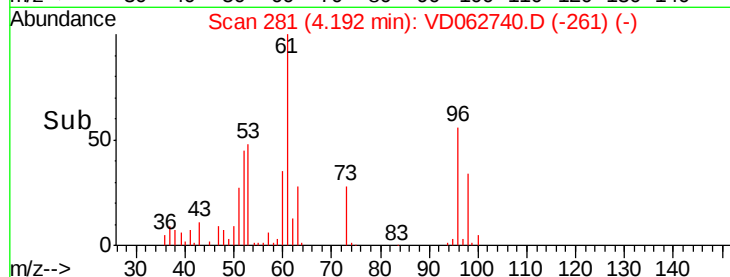
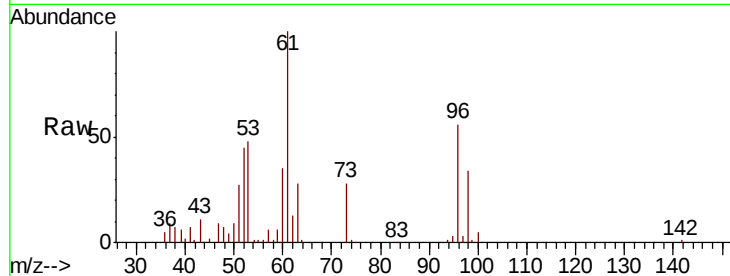
Tot Ion: 53 Resp: 203739

Ion Ratio Lower Upper

53 100

52 93.0 73.6 110.4

51 56.9 42.0 63.0



#16

Acetone

Concen: 256.713 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062740.D

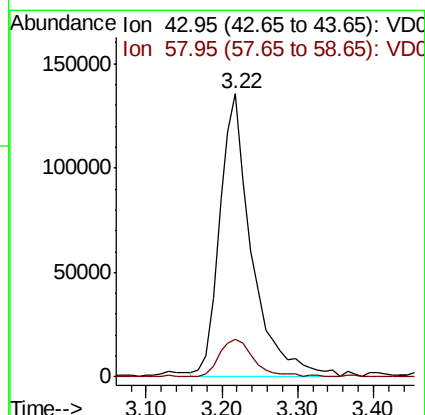
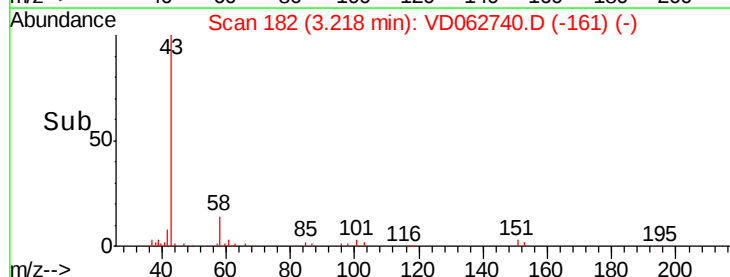
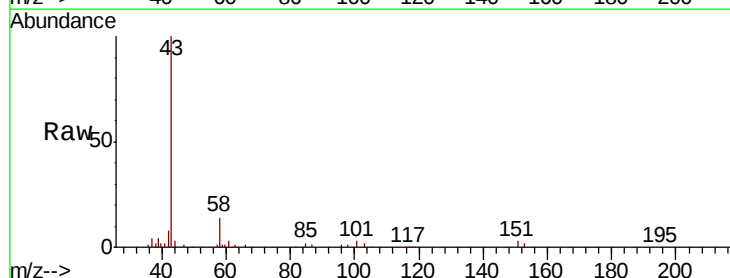
Acq: 17 Jun 2019 21:22

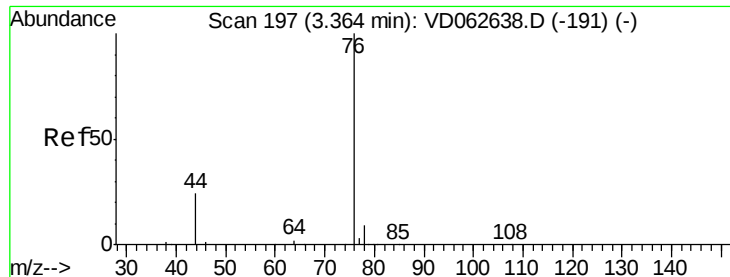
Tgt Ion: 43 Resp: 398563

Ion Ratio Lower Upper

43 100

58 13.5 10.8 16.2

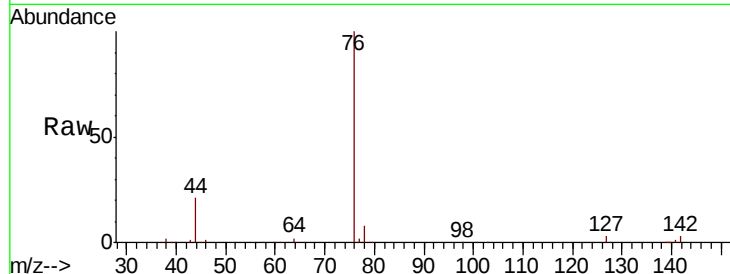




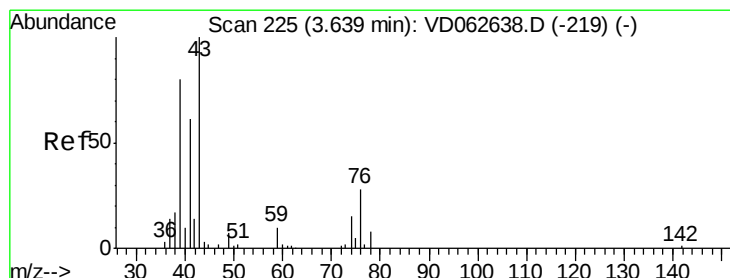
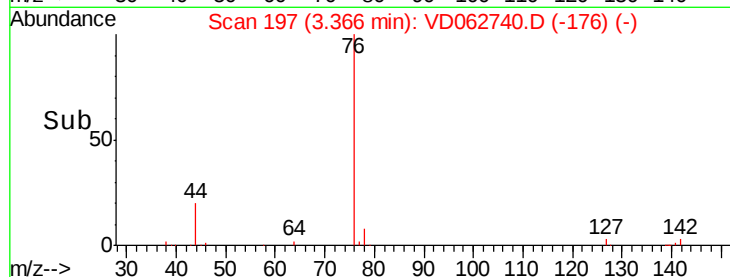
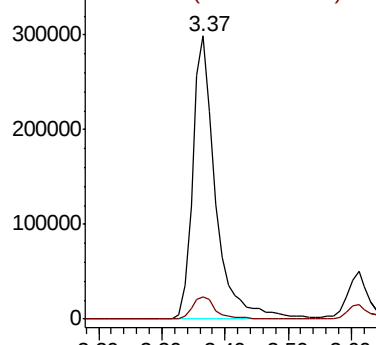
#17
Carbon Disulfide
Concen: 49.176 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 752586
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4

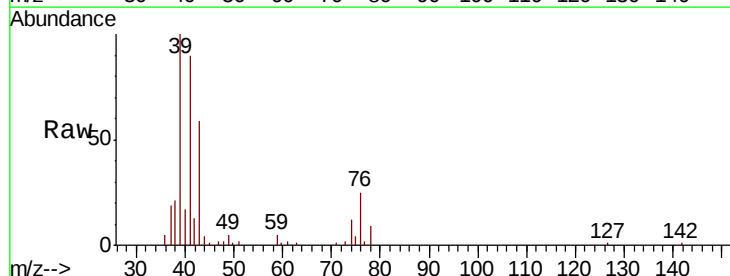


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

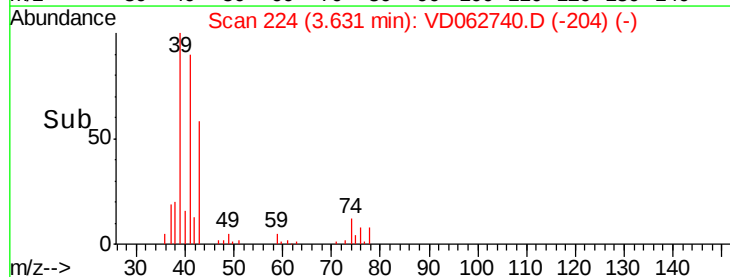
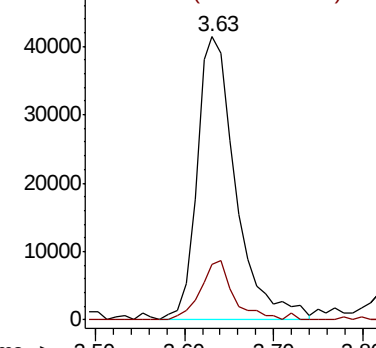


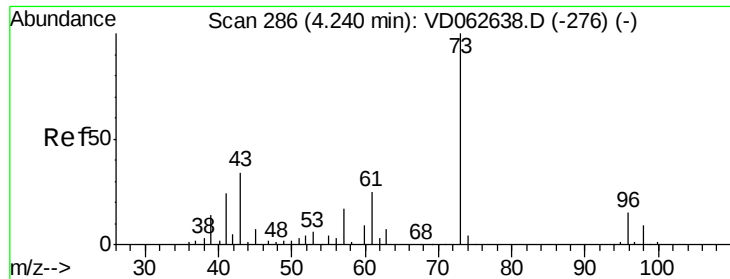
#18
Methyl Acetate
Concen: 49.256 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 43 Resp: 125677
Ion Ratio Lower Upper
43 100
74 19.8 12.1 18.1#



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



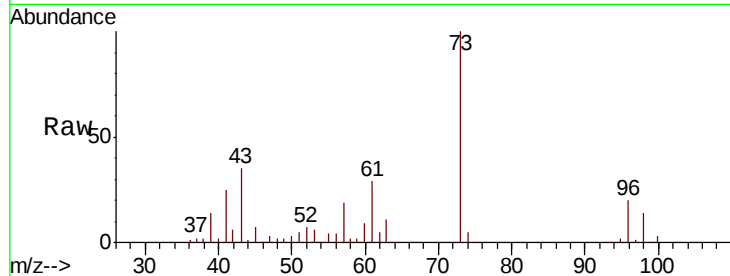


#19

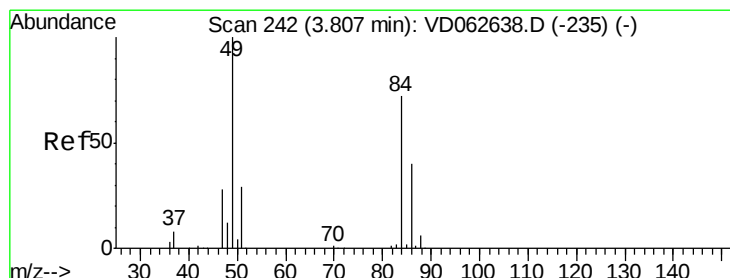
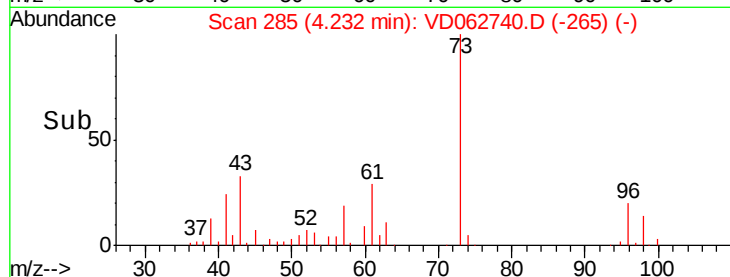
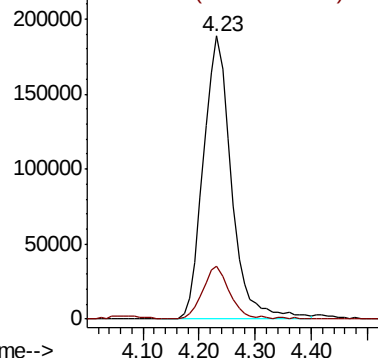
Methyl tert-butyl Ether
 Concen: 51.784 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 655900
 Ion Ratio Lower Upper
 73 100
 57 18.9 13.5 20.3



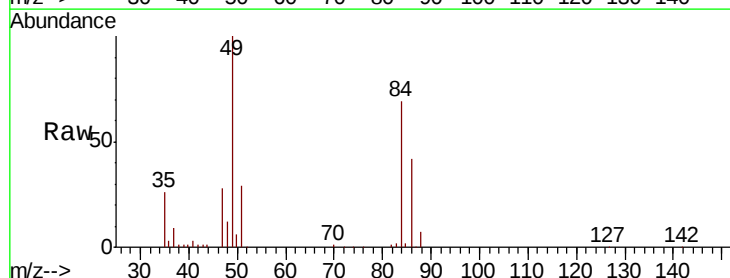
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



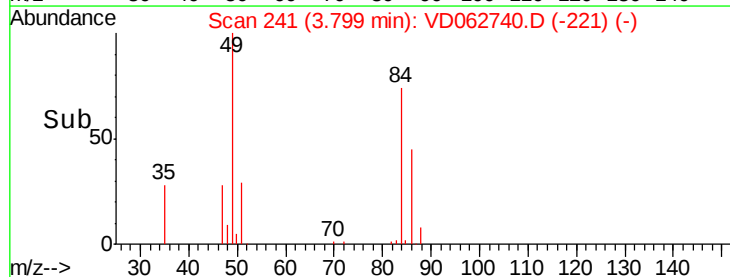
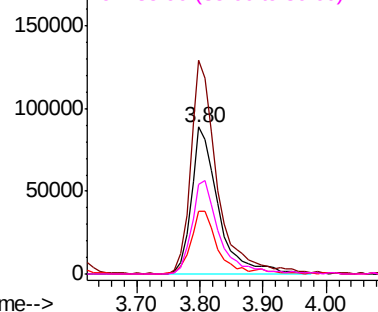
#20

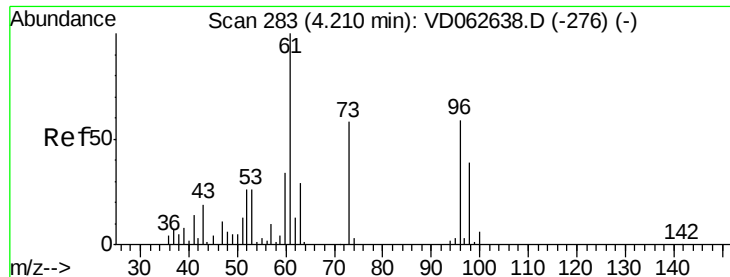
Methylene Chloride
 Concen: 45.464 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion: 84 Resp: 266929
 Ion Ratio Lower Upper
 84 100
 49 145.5 111.2 166.8
 51 42.3 31.9 47.9
 86 61.1 44.7 67.1



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 51.495 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

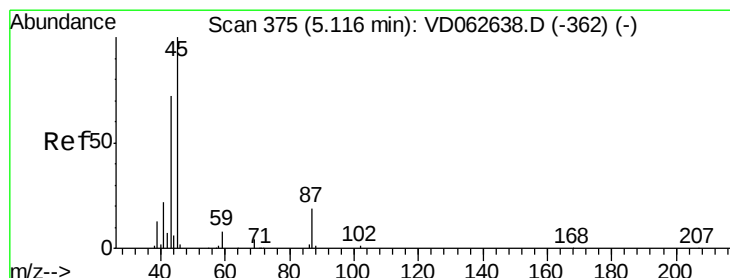
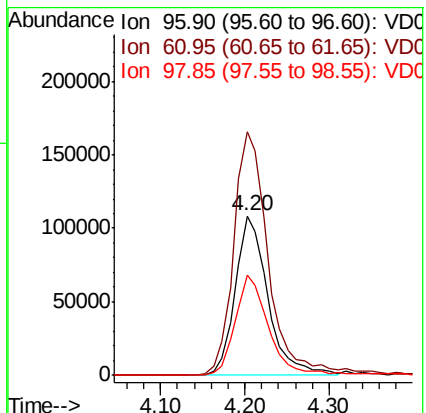
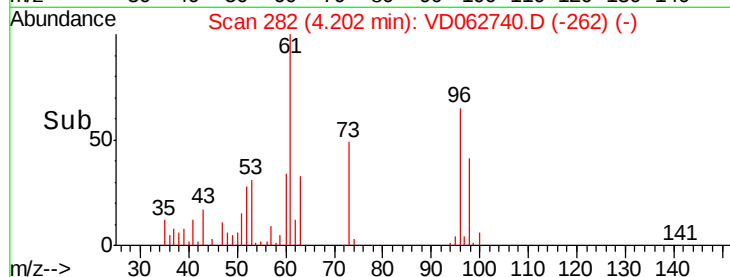
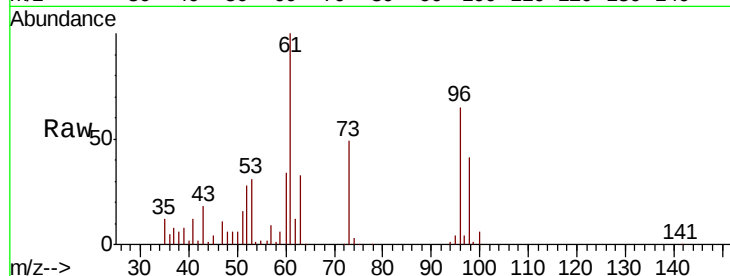
Tot Ion: 96 Resp: 293348

Ion Ratio Lower Upper

96 100

61 152.7 134.6 201.8

98 62.5 51.8 77.8



#22

Diisopropyl ether

Concen: 51.084 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion: 45 Resp: 847001

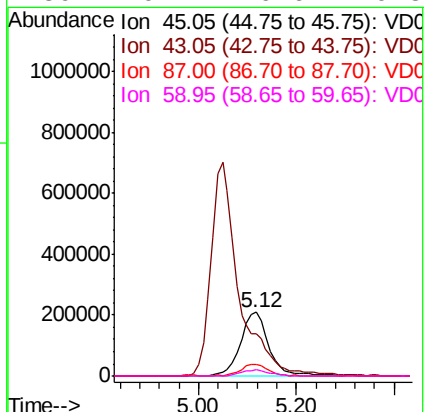
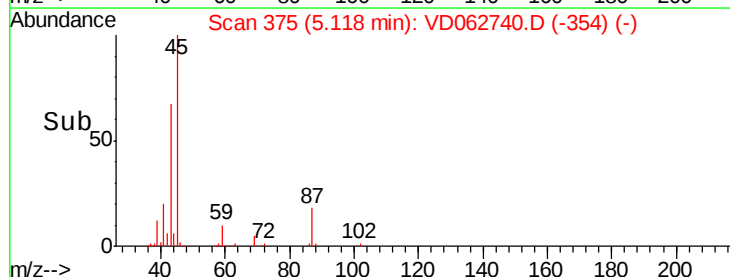
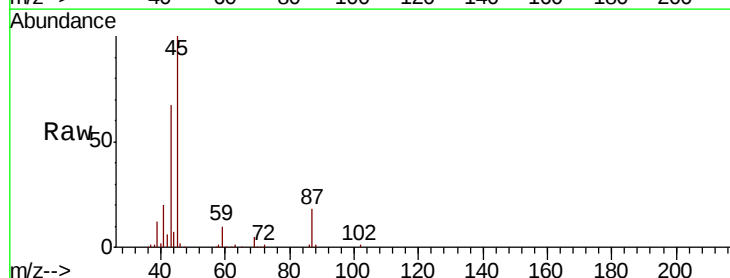
Ion Ratio Lower Upper

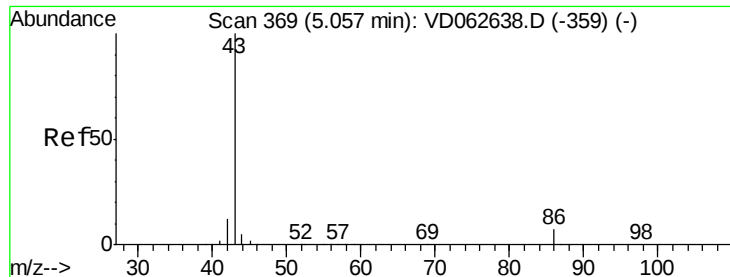
45 100

43 66.8 58.8 88.2

87 18.4 15.7 23.5

59 9.7 6.6 9.8





#23

Vinyl Acetate

Concen: 269.017 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

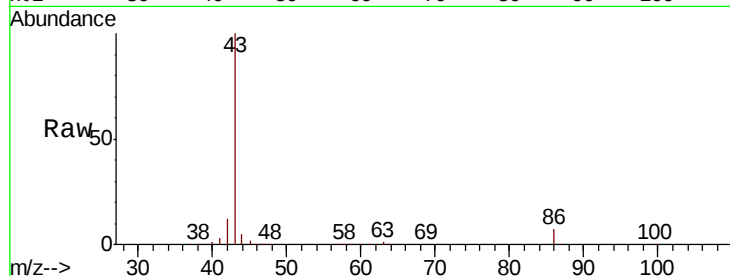
VSTDCCC050EC

Tot Ion: 43 Resp: 2767163

Ion Ratio Lower Upper

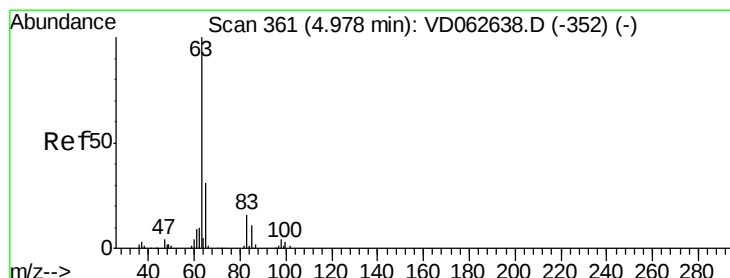
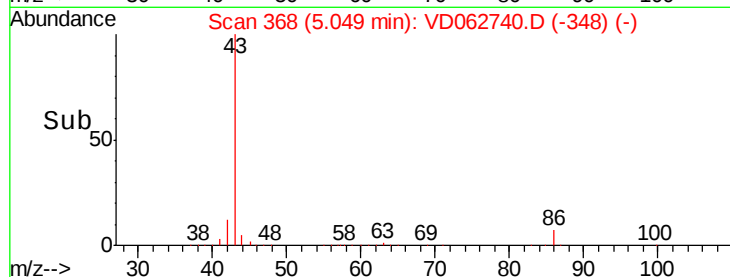
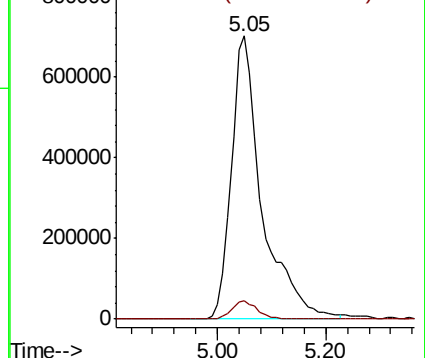
43 100

86 6.5 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.794 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

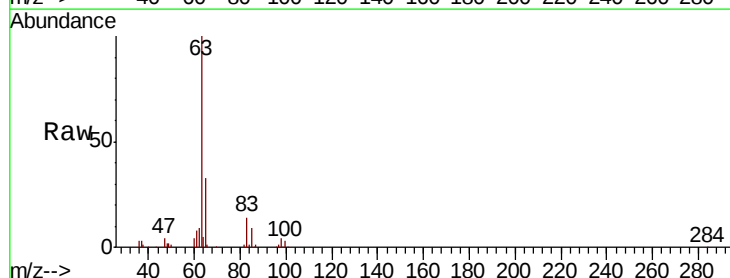
Tgt Ion: 63 Resp: 552459

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.4

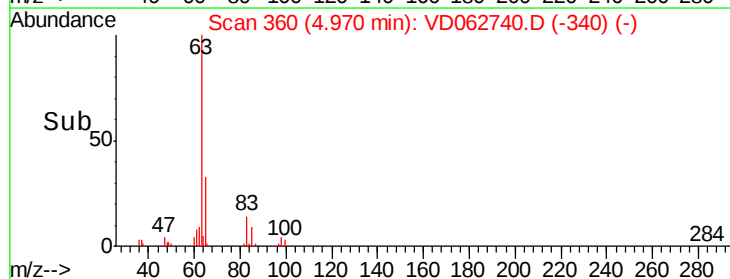
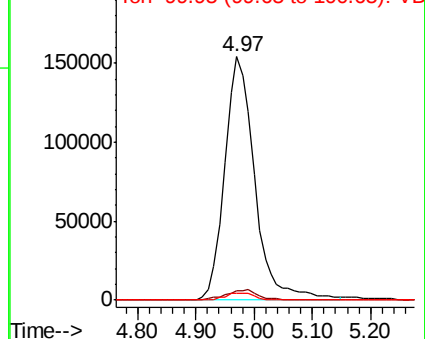
100 2.8 1.5 4.4



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: 259.530 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

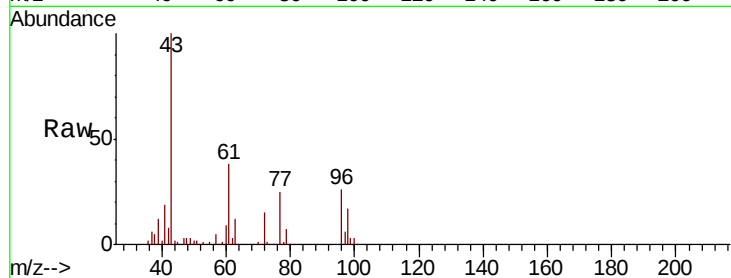
VSTDCCC050EC

Tot Ion: 43 Resp: 393099

Ion Ratio Lower Upper

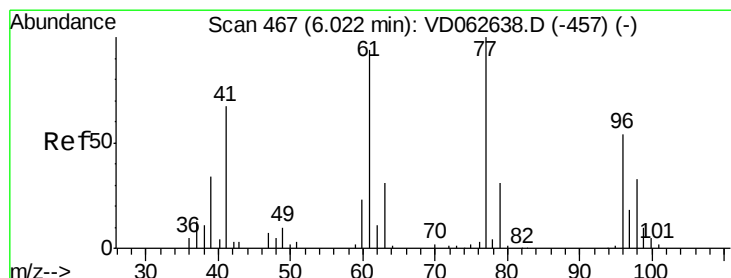
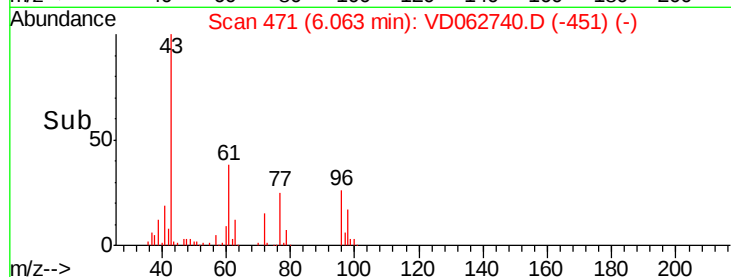
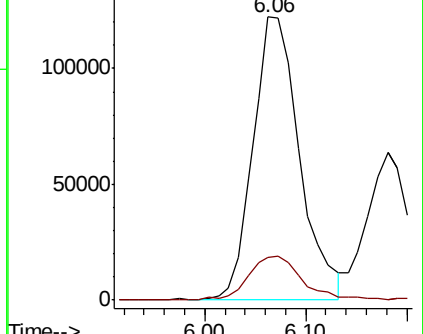
43 100

72 15.1 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.745 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062740.D

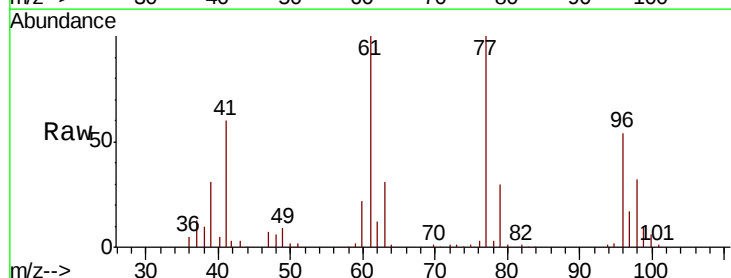
Acq: 17 Jun 2019 21:22

Tgt Ion: 77 Resp: 611525

Ion Ratio Lower Upper

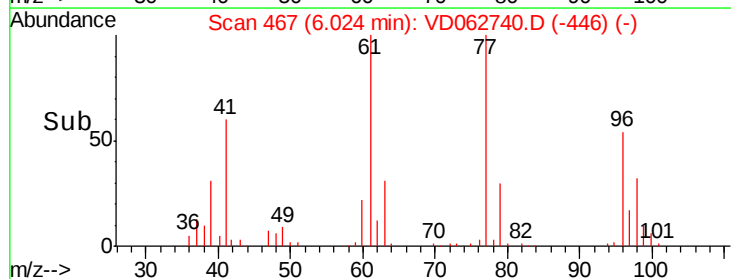
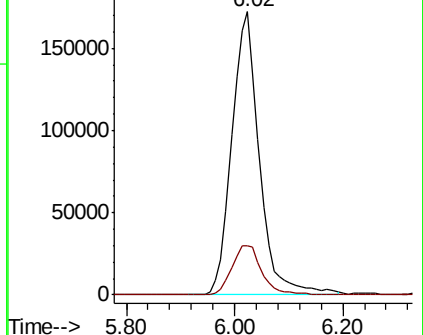
77 100

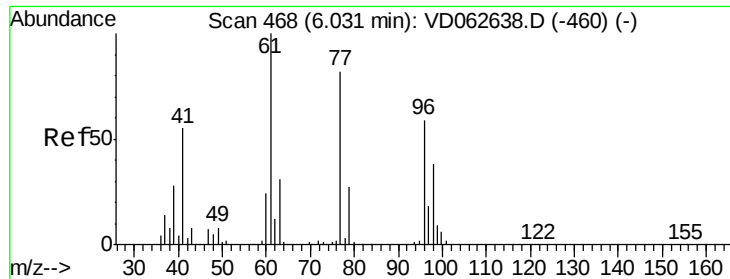
97 17.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



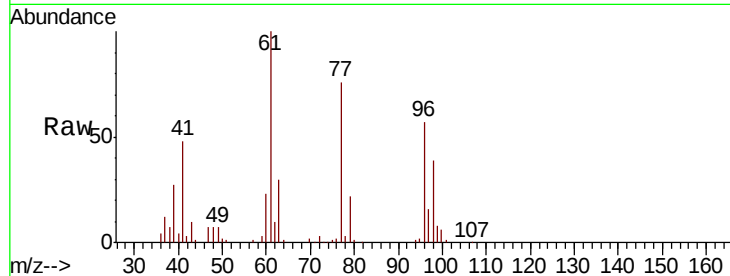


#27

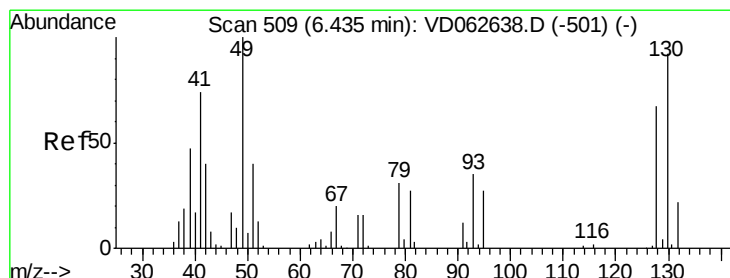
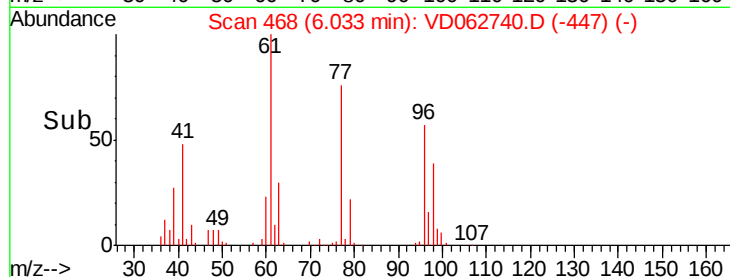
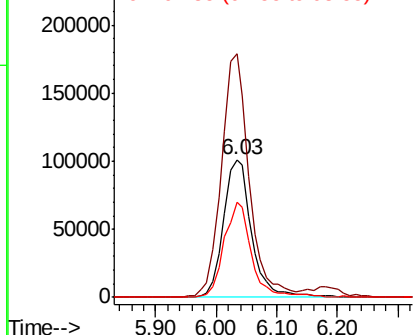
cis-1,2-Dichloroethene
Concen: 52.585 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 324743
Ion Ratio Lower Upper
96 100
61 176.4 0.0 340.0
98 68.5 0.0 127.6



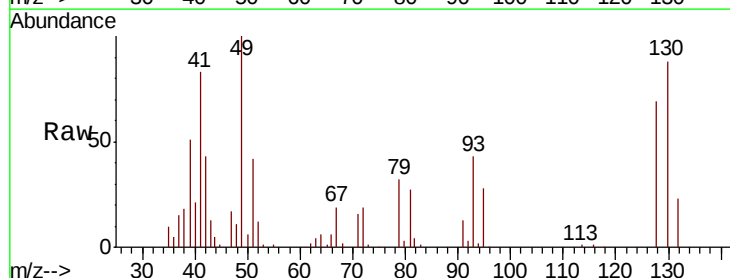
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



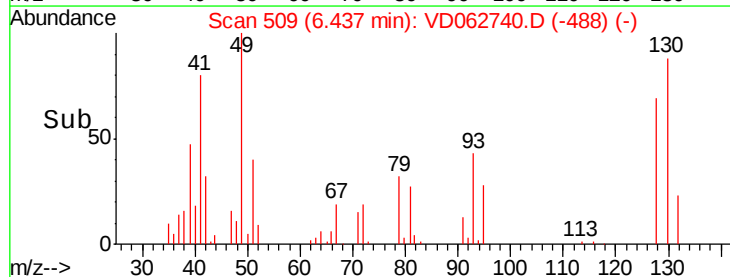
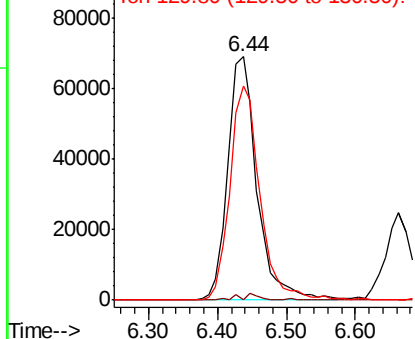
#28

Bromochloromethane
Concen: 49.860 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 49 Resp: 203298
Ion Ratio Lower Upper
49 100
129 0.0 0.0 8.2
130 88.1 73.4 110.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 259.629 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

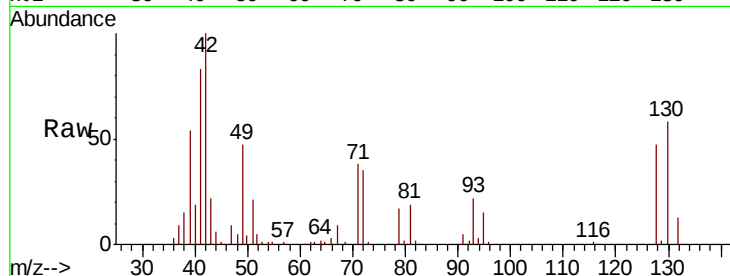
Tot Ion: 42 Resp: 177092

Ion Ratio Lower Upper

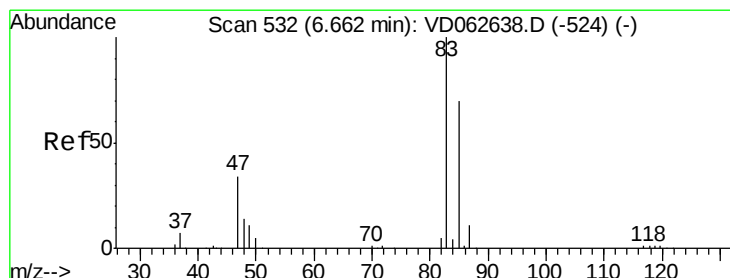
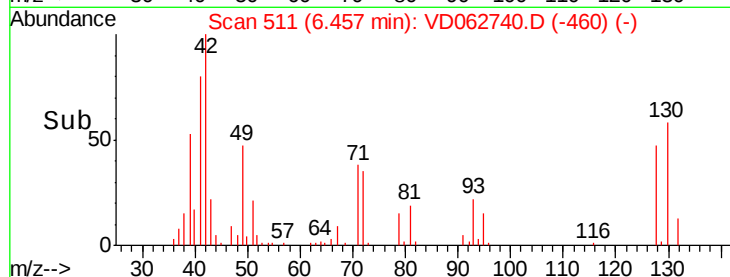
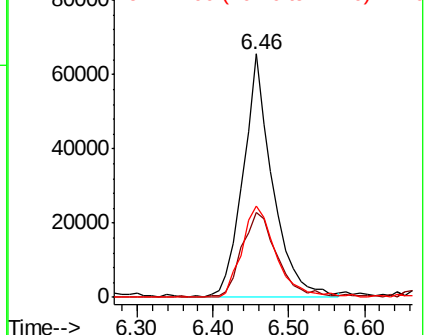
42 100

72 41.6 33.8 50.6

71 43.6 34.2 51.4



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: 50.510 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD062740.D

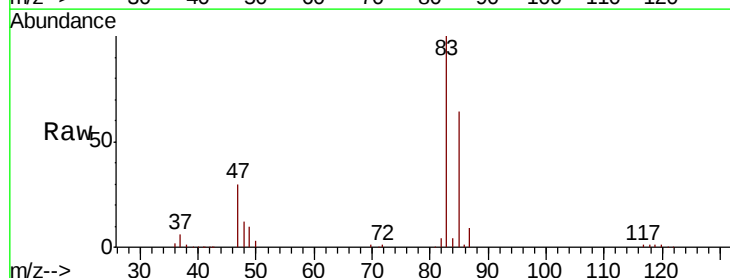
Acq: 17 Jun 2019 21:22

Tgt Ion: 83 Resp: 691243

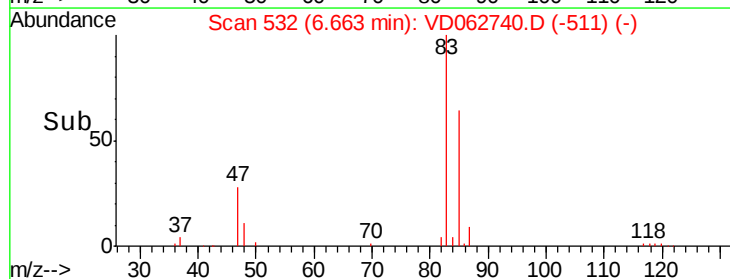
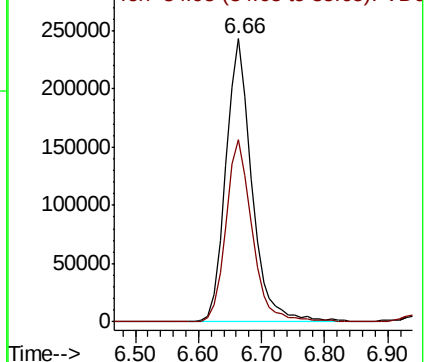
Ion Ratio Lower Upper

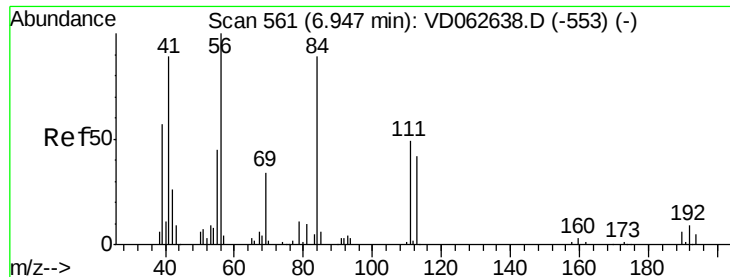
83 100

85 64.4 55.8 83.6



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

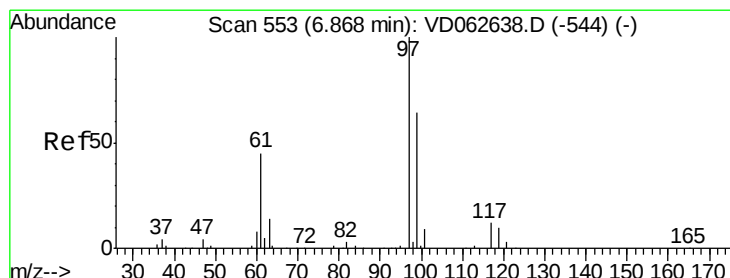
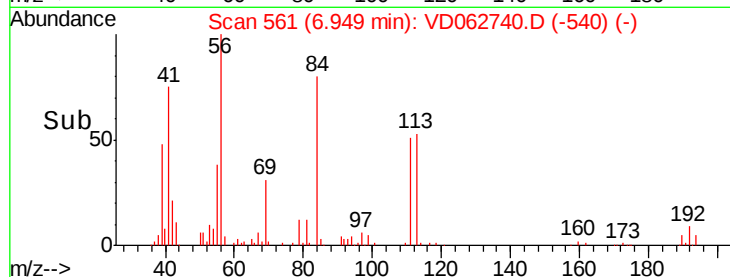
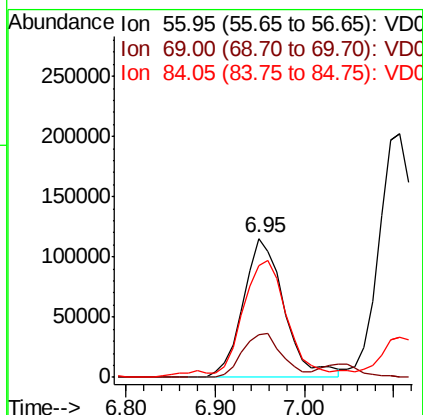
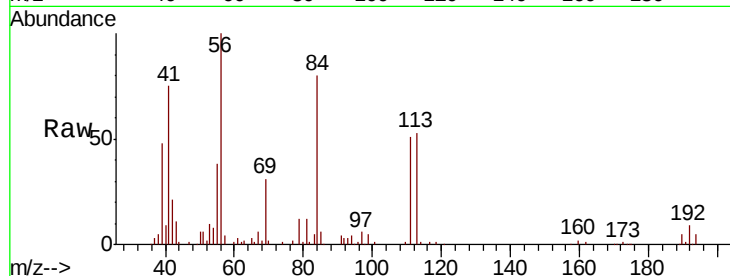




#31
Cyclohexane
Concen: 54.771 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

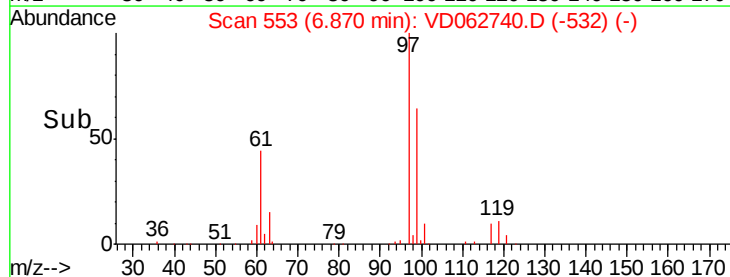
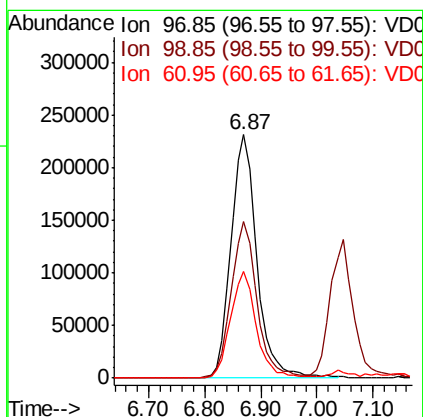
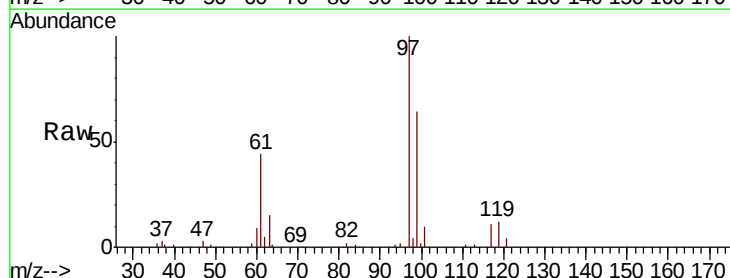
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

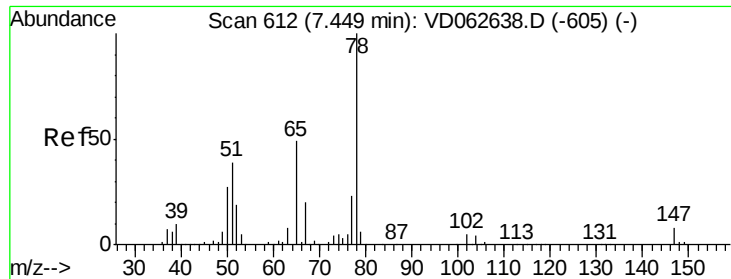
Tot Ion: 56 Resp: 366473
Ion Ratio Lower Upper
56 100
69 31.0 26.8 40.2
84 80.5 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 54.442 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 97 Resp: 741369
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 43.8 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 48.614 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

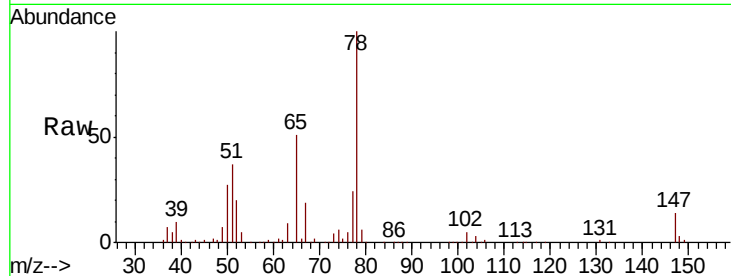
VSTDCCC050EC

Tot Ion: 65 Resp: 412180

Ion Ratio Lower Upper

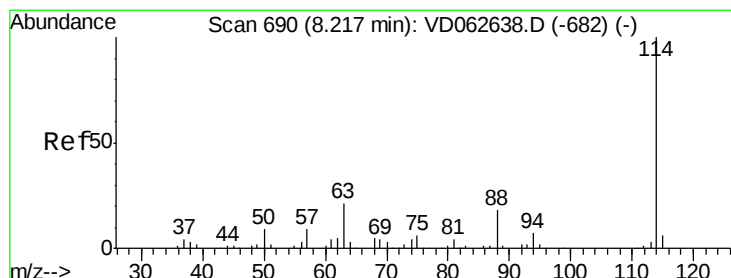
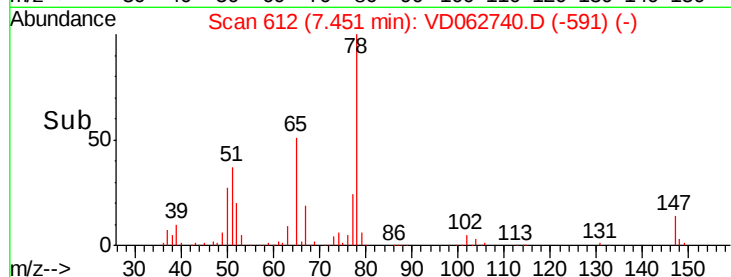
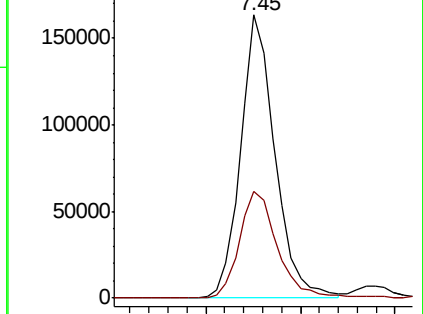
65 100

67 37.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

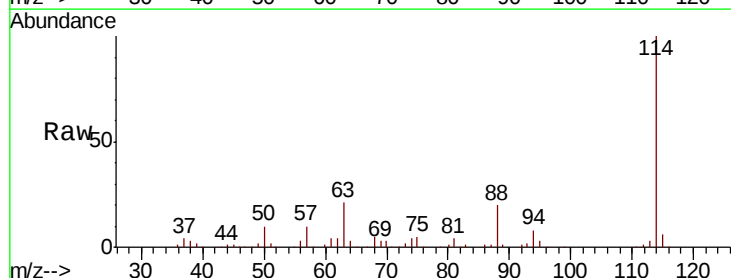
Tgt Ion: 114 Resp: 836759

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

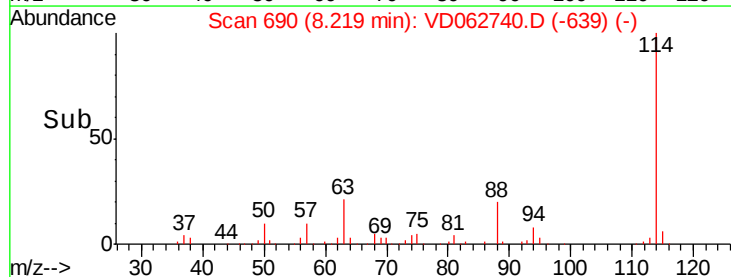
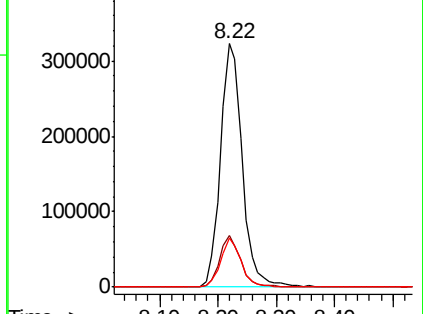
88 20.1 0.0 36.8

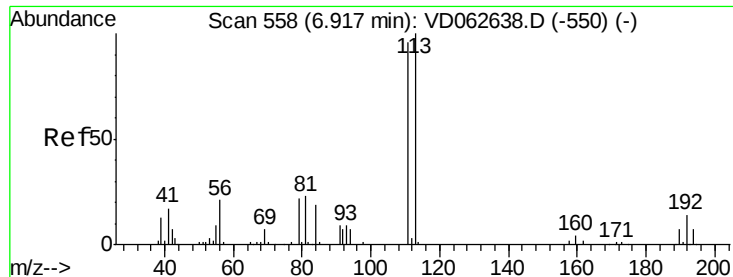


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

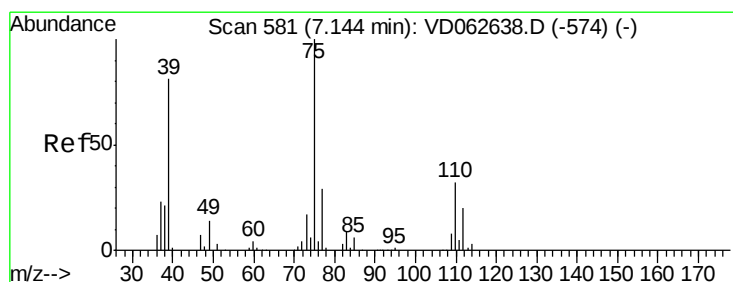
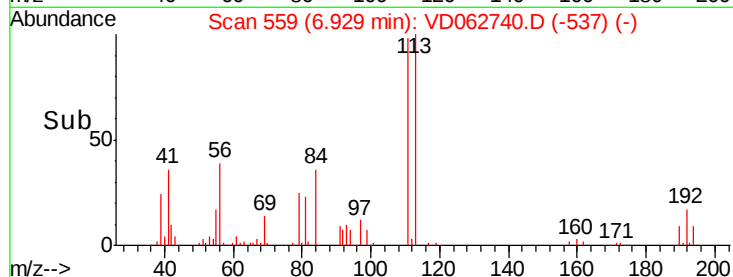
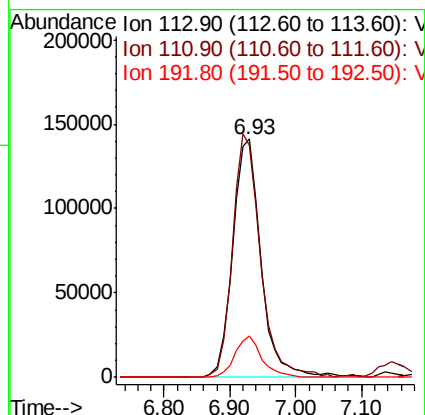
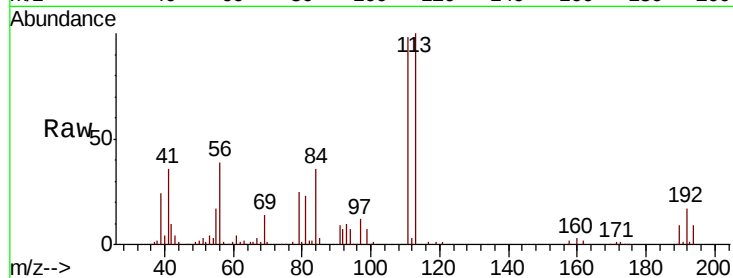




#35
 Dibromofluoromethane
 Concen: 48.194 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

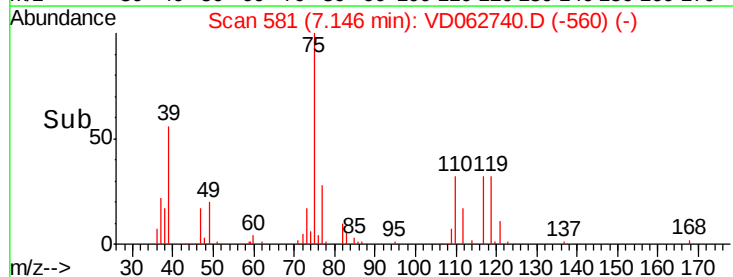
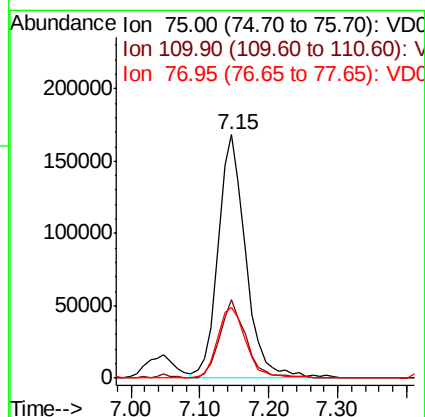
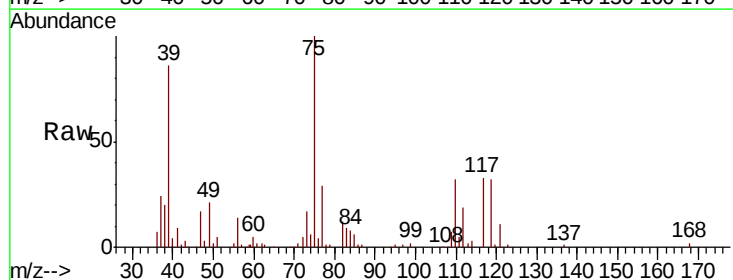
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

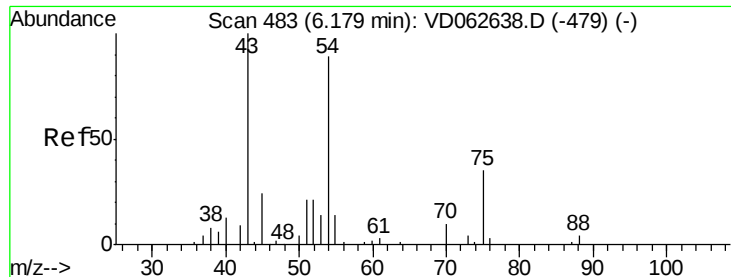
Tot Ion:113 Resp: 425300
 Ion Ratio Lower Upper
 113 100
 111 97.6 76.4 114.6
 192 17.4 11.4 17.0#



#36
 1,1-Dichloropropene
 Concen: 48.135 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion: 75 Resp: 460975
 Ion Ratio Lower Upper
 75 100
 110 32.4 15.9 47.7
 77 29.1 23.3 34.9

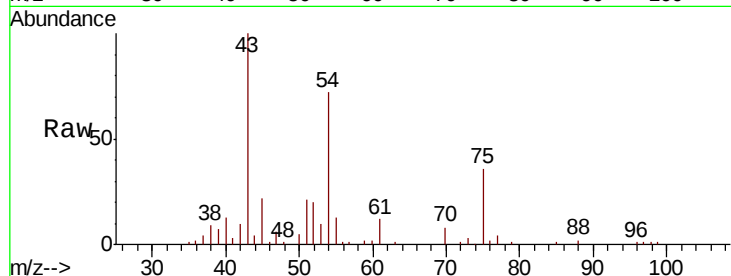




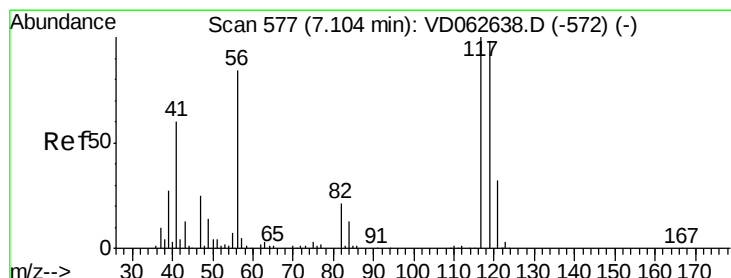
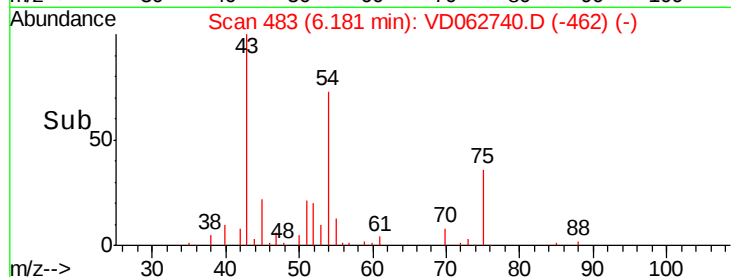
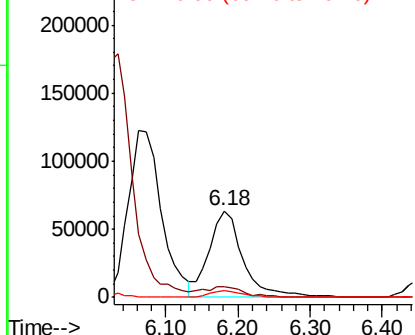
#37
Ethyl Acetate
Concen: 48.867 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 199427
Ion Ratio Lower Upper
43 100
61 12.4 8.7 13.1
70 8.3 6.5 9.7

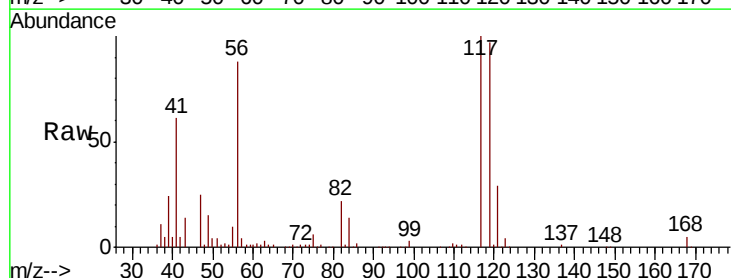


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

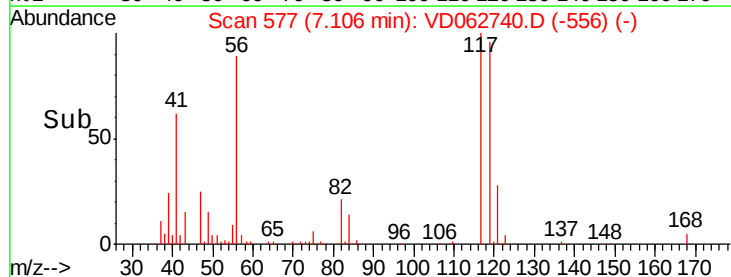
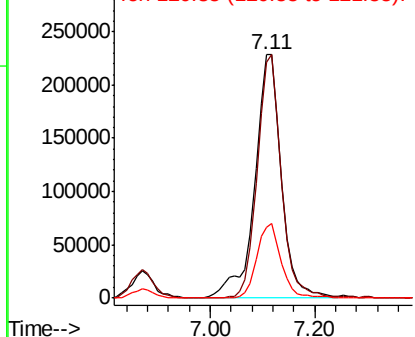


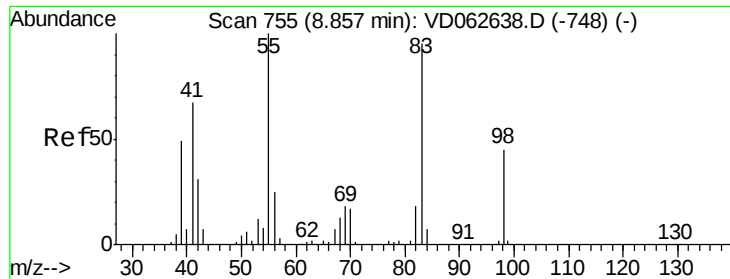
#38
Carbon Tetrachloride
Concen: 52.057 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 117 Resp: 787984
Ion Ratio Lower Upper
117 100
119 97.1 73.5 110.3
121 29.0 24.2 36.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

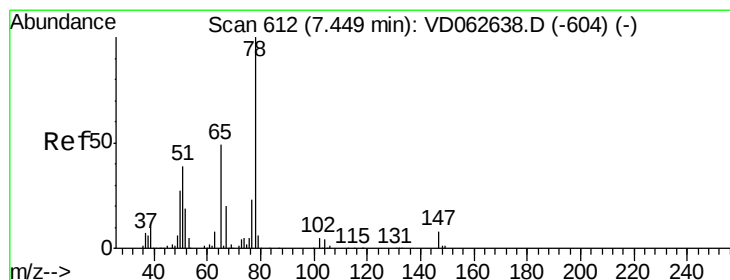
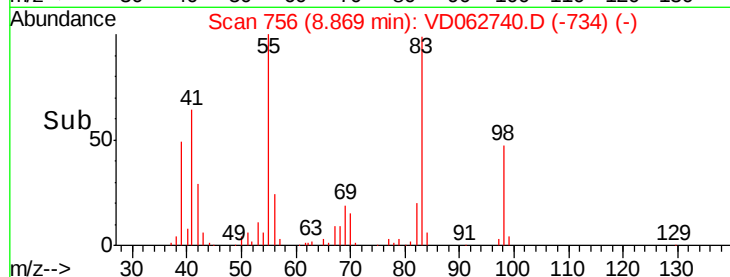
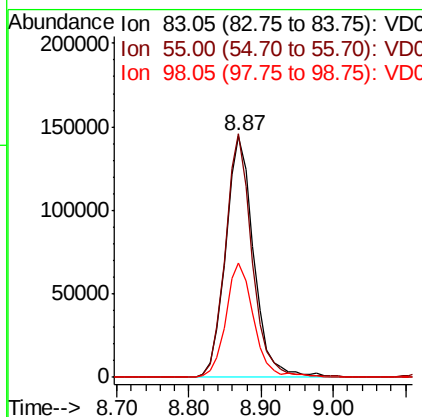
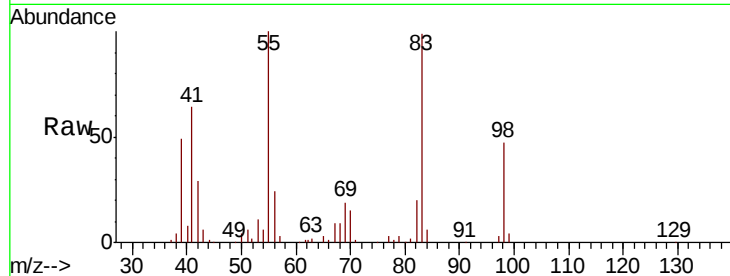




#39
Methvlcvclohexane
Concen: 50.459 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

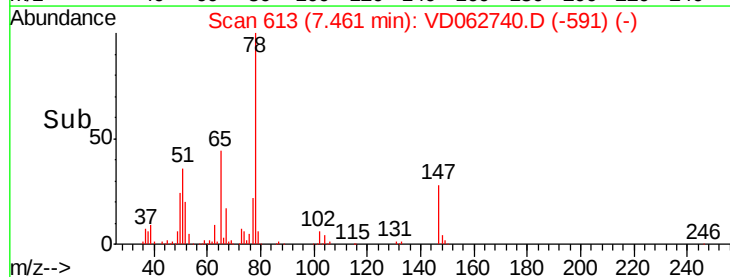
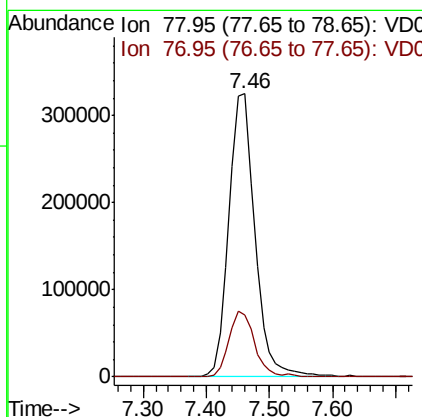
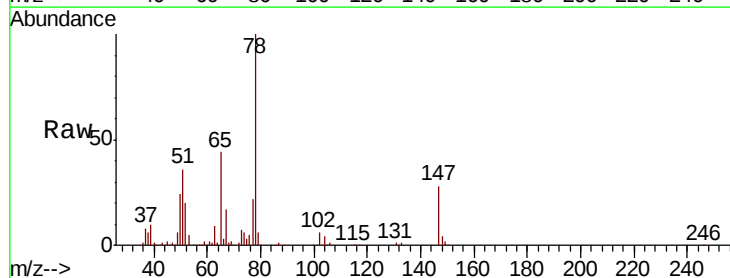
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 390496
Ion Ratio Lower Upper
83 100
55 100.8 84.6 127.0
98 47.3 38.2 57.4



#40
Benzene
Concen: 49.718 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 78 Resp: 929845
Ion Ratio Lower Upper
78 100
77 22.0 18.6 28.0

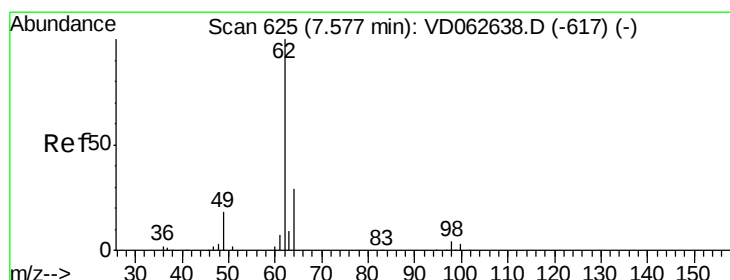
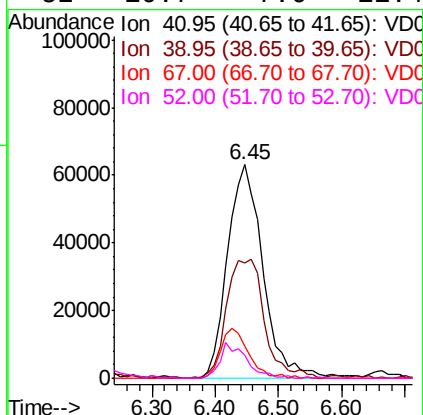
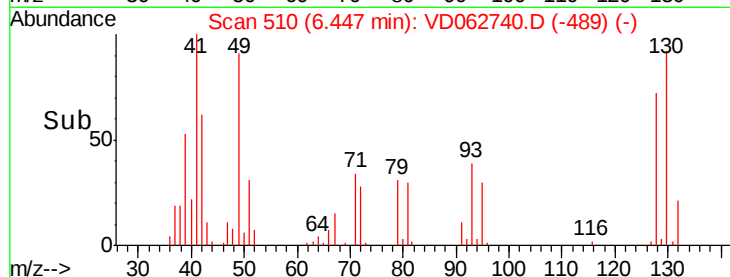
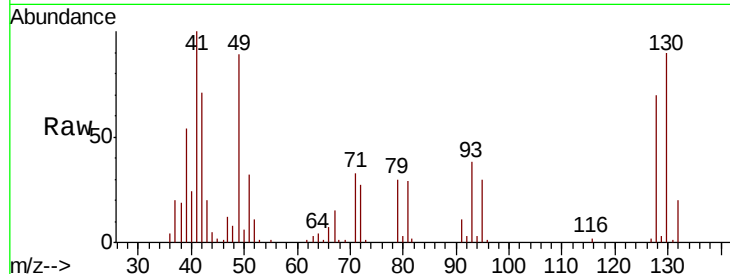




#41
Methacrylonitrile
Concen: 48.969 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

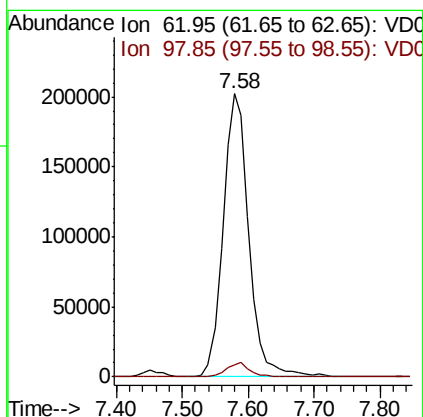
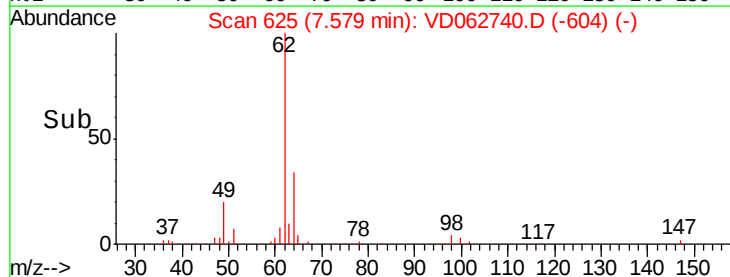
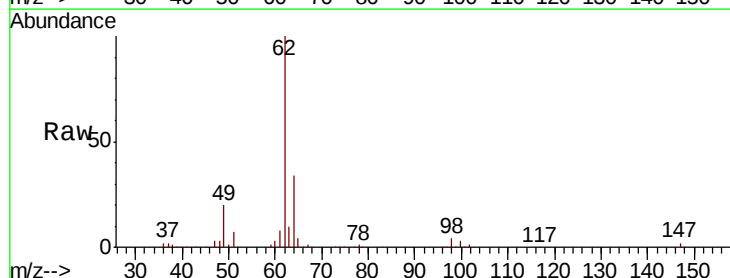
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

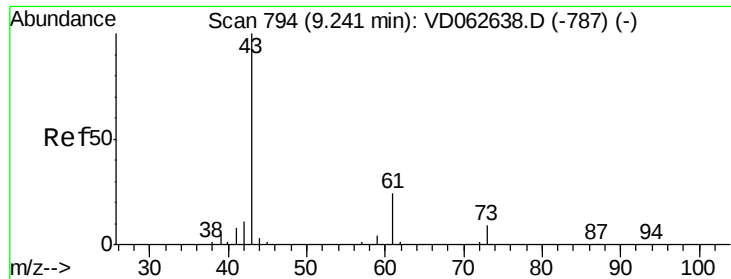
Tot Ion:	41	Resp:	245491
Ion	Ratio	Lower	Upper
41	100		
39	53.9	49.2	73.8
67	15.1	13.9	20.9
52	10.7	7.6	11.4



#42
1,2-Dichloroethane
Concen: 49.271 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:	62	Resp:	549236
Ion	Ratio	Lower	Upper
62	100		
98	4.1	0.0	7.4





#43

Isopropyl Acetate

Concen: 49.632 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

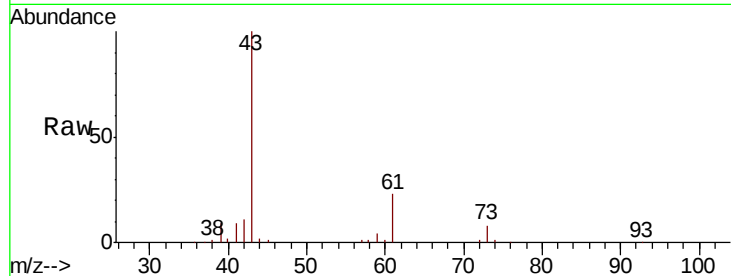
Tot Ion: 43 Resp: 250794

Ion Ratio Lower Upper

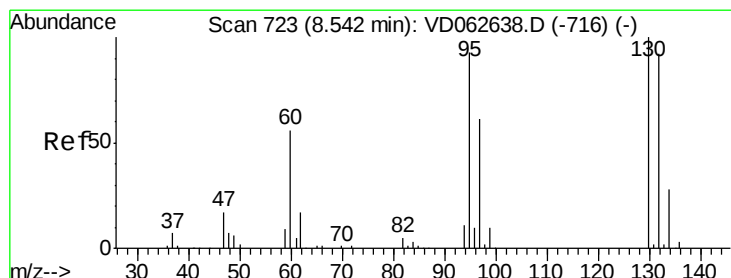
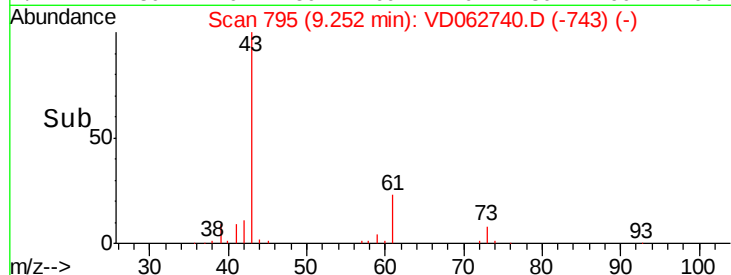
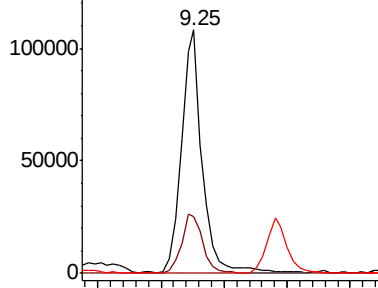
43 100

61 23.5 19.0 28.6

87 0.0 0.3 0.5#



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: 49.239 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD062740.D

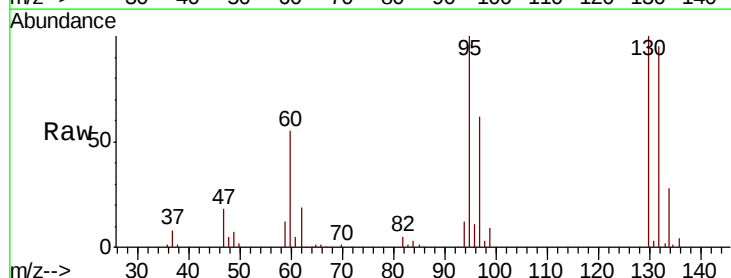
Acq: 17 Jun 2019 21:22

Tgt Ion: 130 Resp: 373858

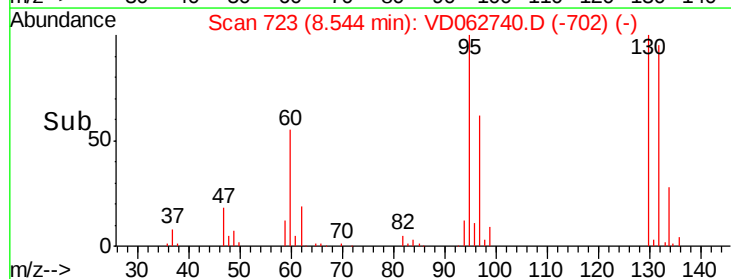
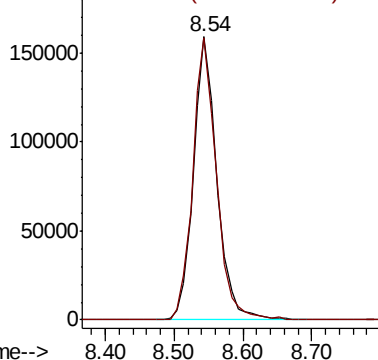
Ion Ratio Lower Upper

130 100

95 99.9 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 50.247 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

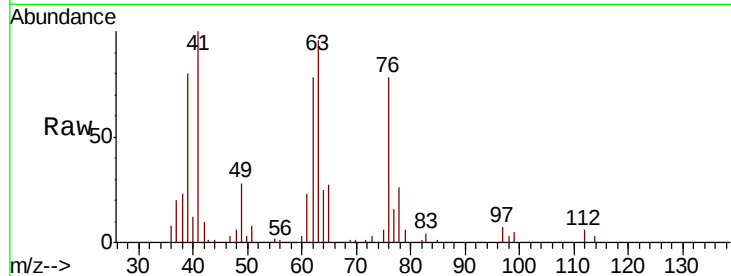
VSTDCCC050EC

Tot Ion: 63 Resp: 225725

Ion Ratio Lower Upper

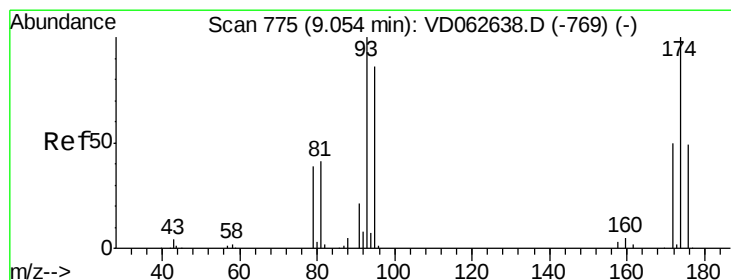
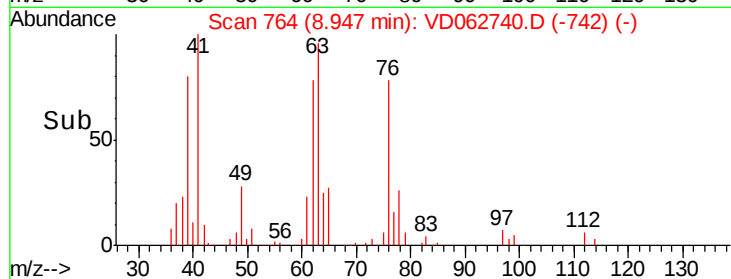
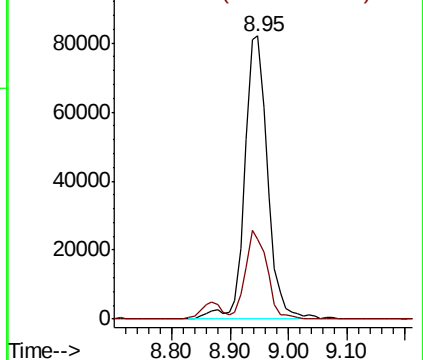
63 100

65 28.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.164 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

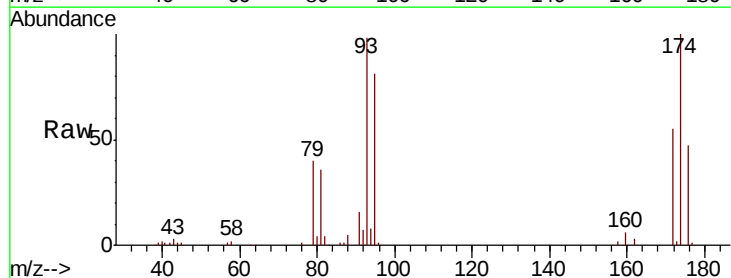
Tgt Ion: 93 Resp: 208008

Ion Ratio Lower Upper

93 100

95 82.2 68.7 103.1

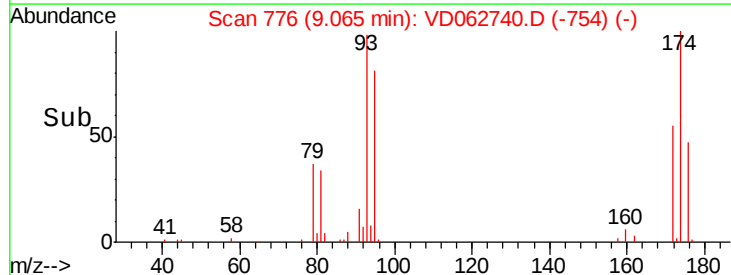
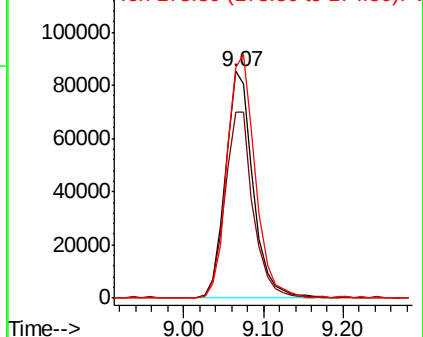
174 101.8 79.8 119.8

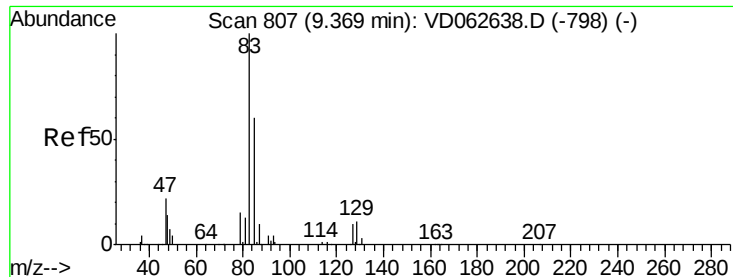


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.535 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

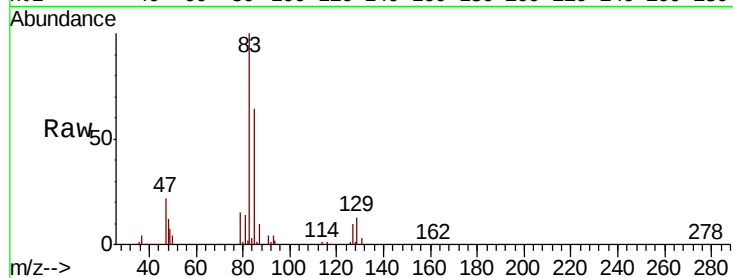
Tot Ion: 83 Resp: 569857

Ion Ratio Lower Upper

83 100

85 63.7 47.9 71.9

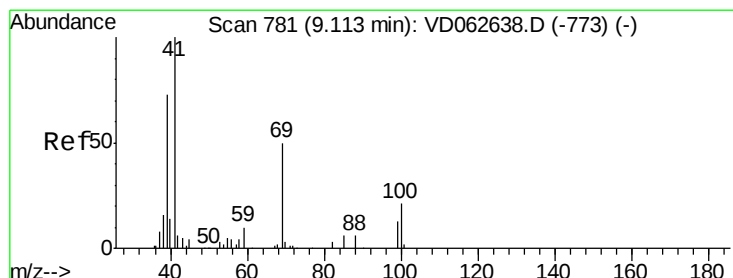
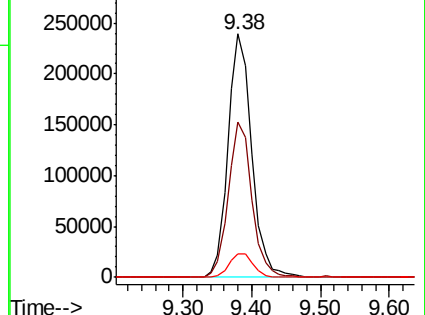
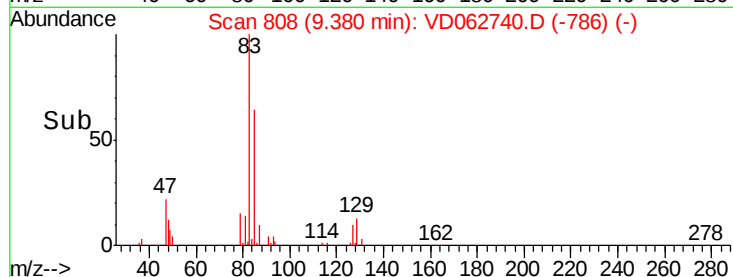
127 9.5 8.2 12.4



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: 50.091 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

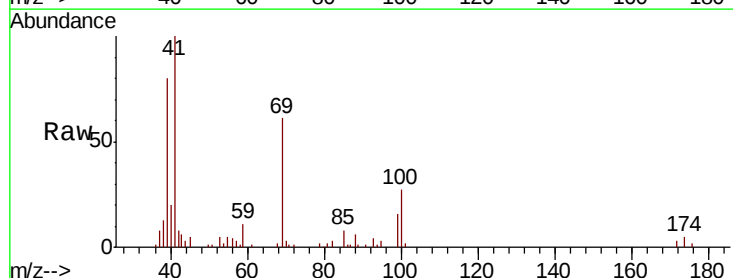
Tgt Ion: 41 Resp: 182860

Ion Ratio Lower Upper

41 100

69 60.8 39.8 59.6#

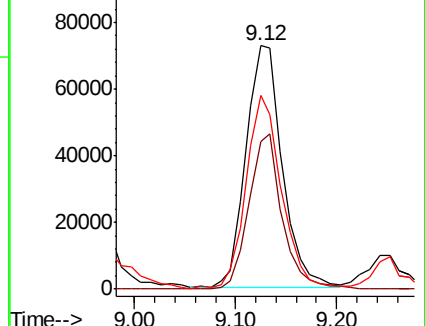
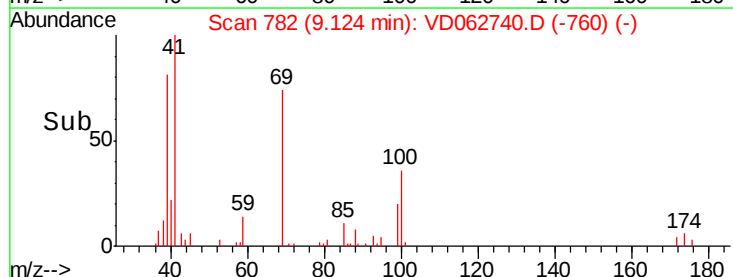
39 79.7 59.1 88.7

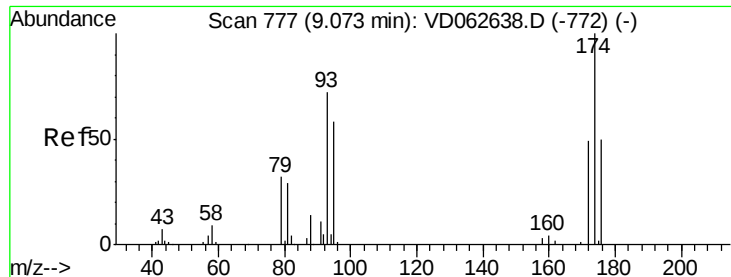


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 938.084 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

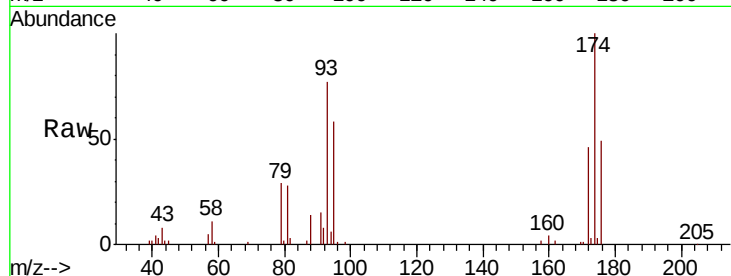
Tot Ion: 88 Resp: 30523

Ion Ratio Lower Upper

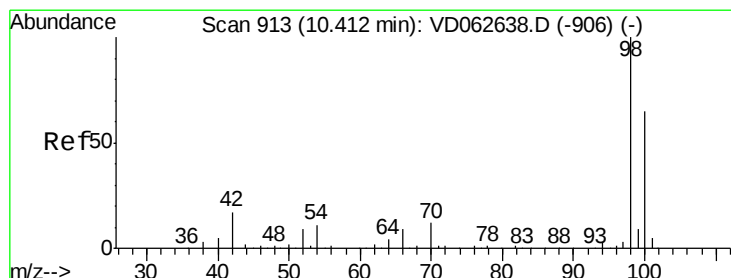
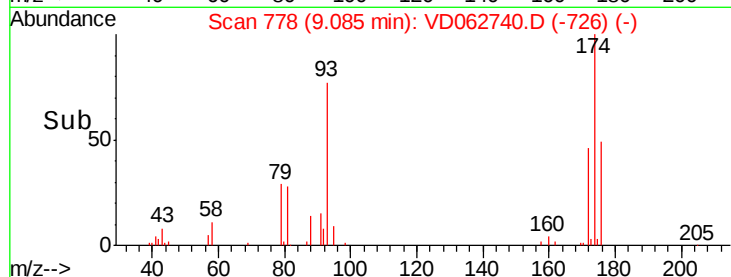
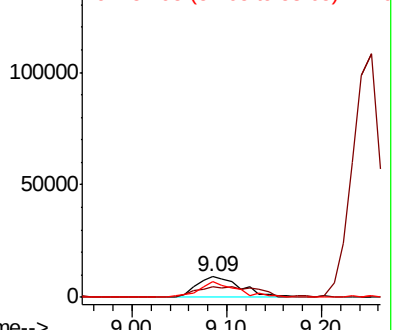
88 100

43 55.3 40.7 61.1

58 76.1 54.2 81.4



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: 48.656 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062740.D

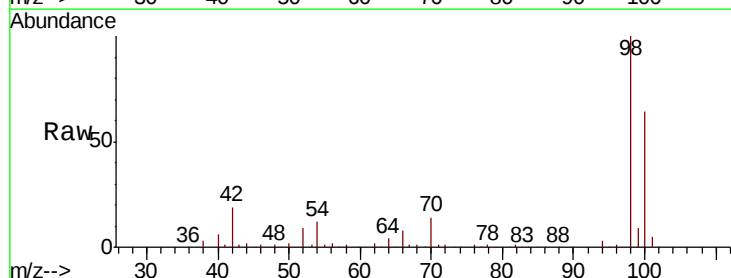
Acq: 17 Jun 2019 21:22

Tgt Ion: 98 Resp: 903251

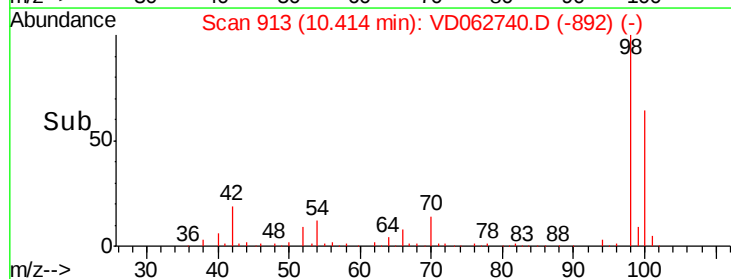
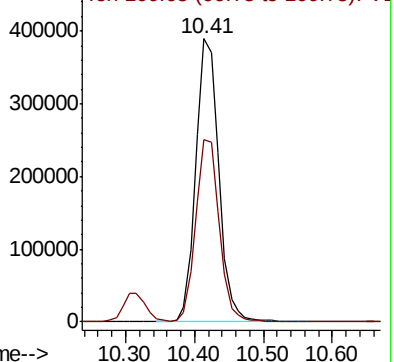
Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



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: 256.319 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

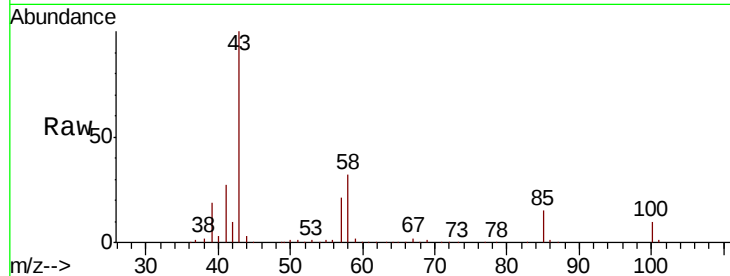
VSTDCCC050EC

Tot Ion: 43 Resp: 906277

Ion Ratio Lower Upper

43 100

58 32.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

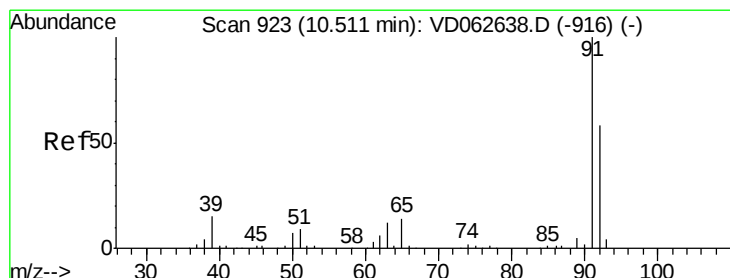
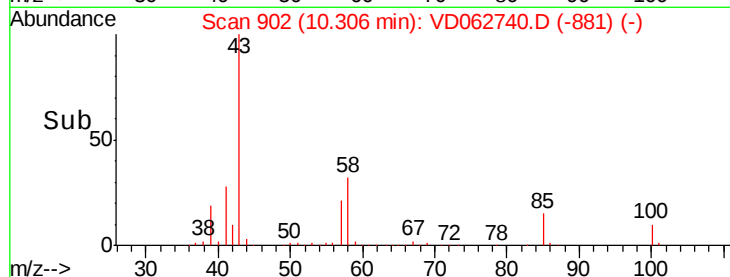
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.765 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062740.D

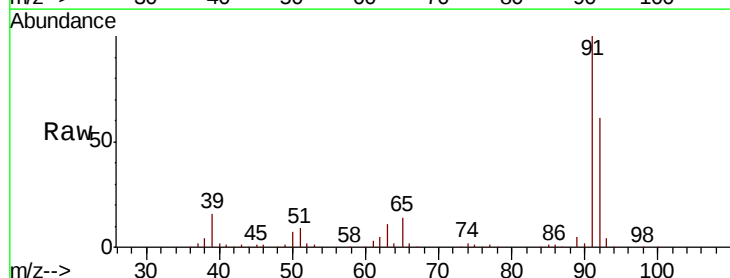
Acq: 17 Jun 2019 21:22

Tgt Ion: 92 Resp: 600479

Ion Ratio Lower Upper

92 100

91 162.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

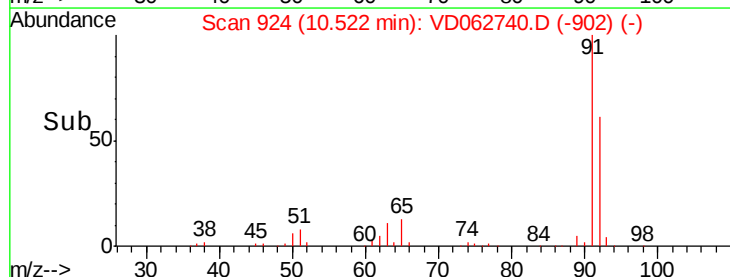
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.504 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

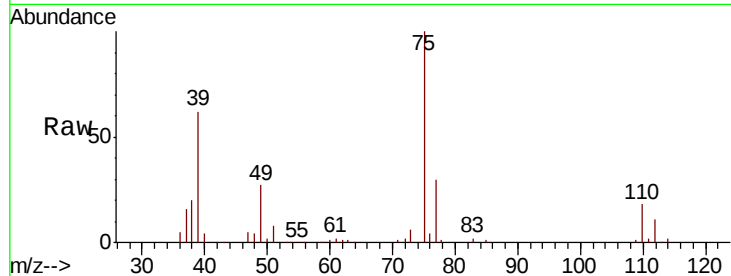
VSTDCCC050EC

Tot Ion: 75 Resp: 475839

Ion Ratio Lower Upper

75 100

77 30.1 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

250000

200000

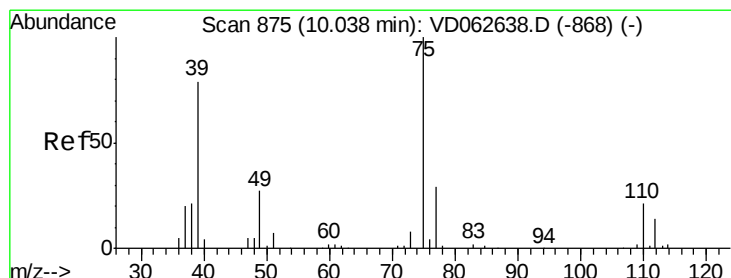
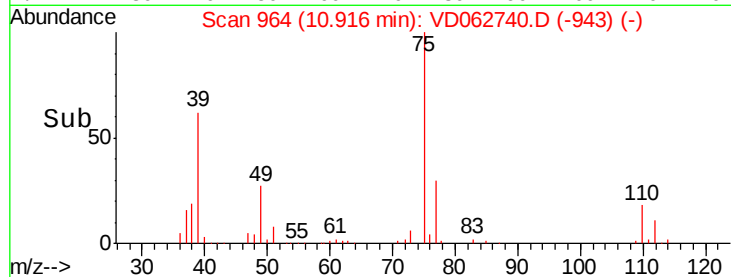
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 50.952 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

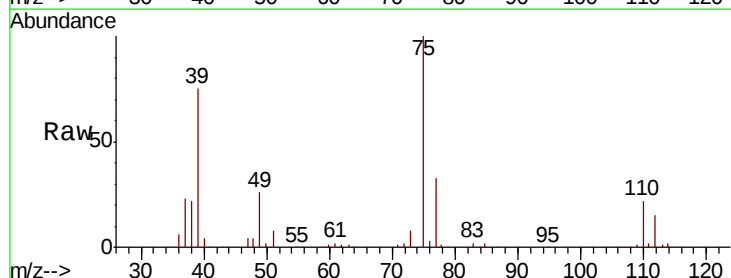
Tgt Ion: 75 Resp: 468346

Ion Ratio Lower Upper

75 100

77 33.0 23.1 34.7

39 75.2 63.4 95.2



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

10.05

250000

200000

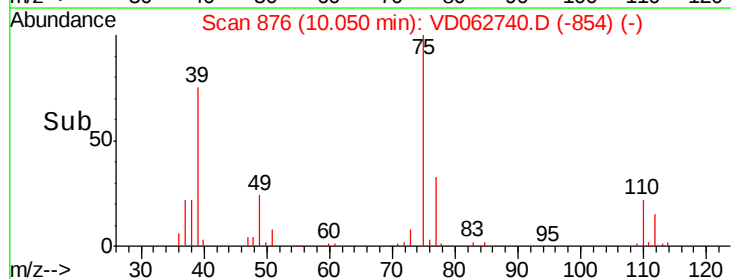
150000

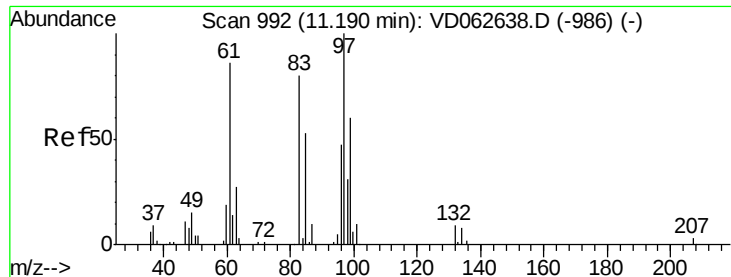
100000

50000

0

Time--> 10.00 10.10 10.20

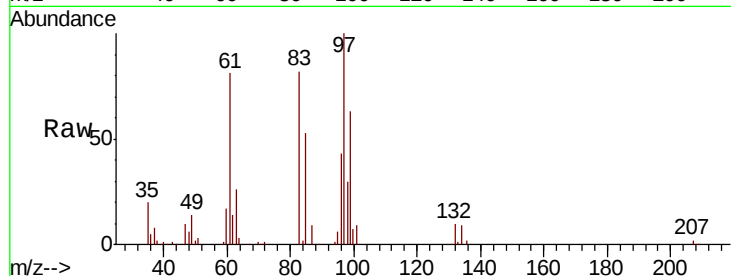




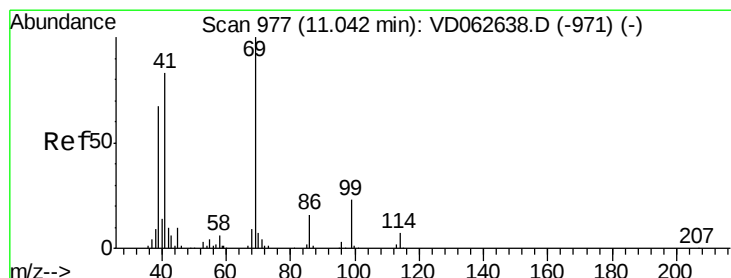
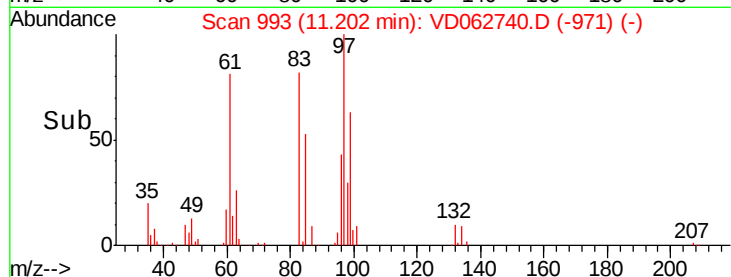
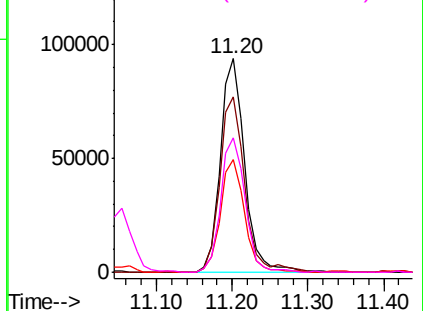
#55
 1,1,2-Trichloroethane
 Concen: 48.464 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	208942
Ion	Ratio	Lower	Upper
97	100		
83	81.8	63.8	95.8
85	52.5	42.3	63.5
99	63.0	48.0	72.0

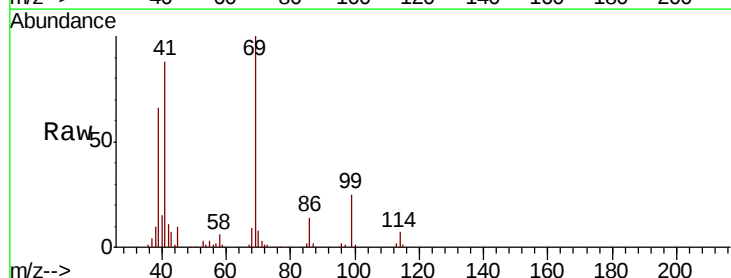


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

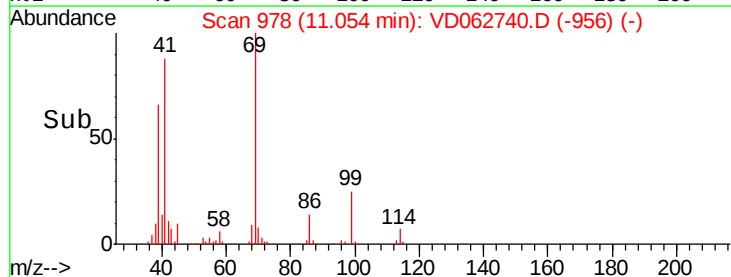
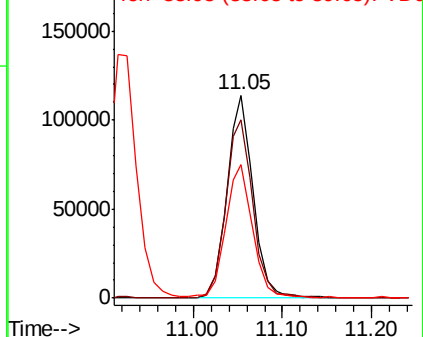


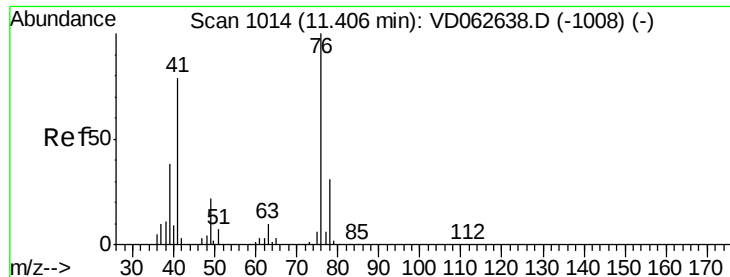
#56
 Ethyl methacrylate
 Concen: 45.352 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion:	69	Resp:	233519
Ion	Ratio	Lower	Upper
69	100		
41	87.8	66.2	99.4
39	65.6	53.8	80.8



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: 51.479 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

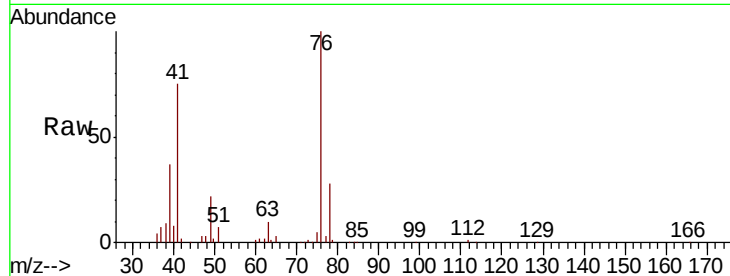
VSTDCCC050EC

Tot Ion: 76 Resp: 343989

Ion Ratio Lower Upper

76 100

78 28.2 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

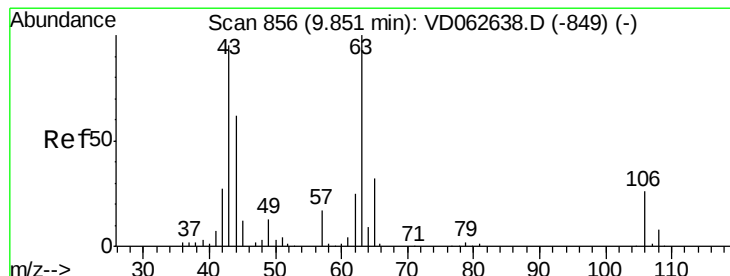
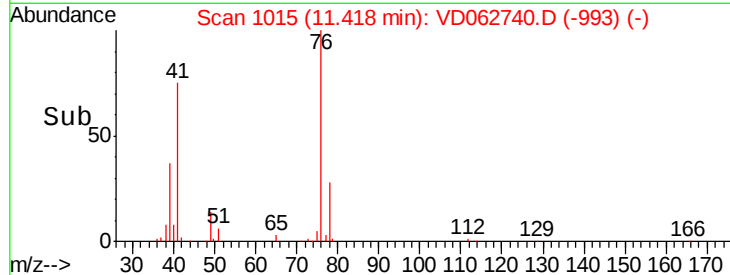
100000

50000

0

11.30 11.40 11.50 11.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 226.876 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062740.D

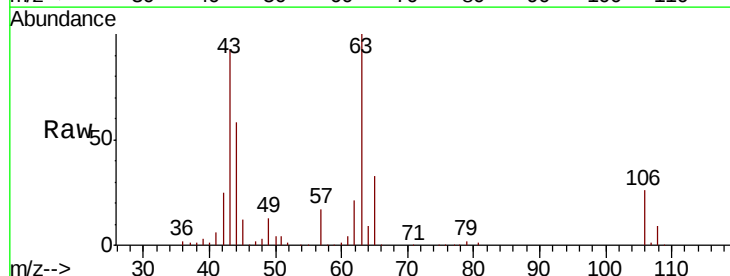
Acq: 17 Jun 2019 21:22

Tgt Ion: 63 Resp: 522782

Ion Ratio Lower Upper

63 100

106 26.2 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

250000

200000

150000

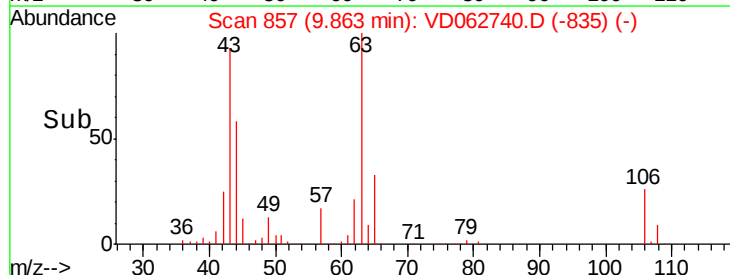
100000

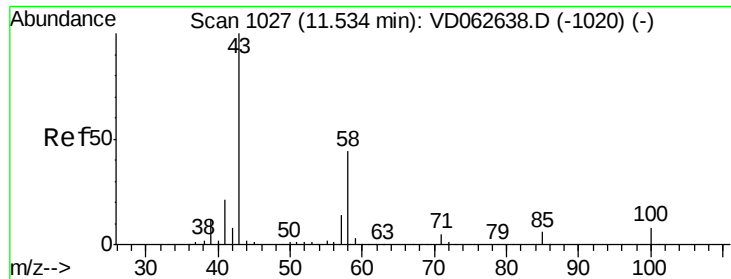
50000

0

9.70 9.80 9.90 10.00

Time-->

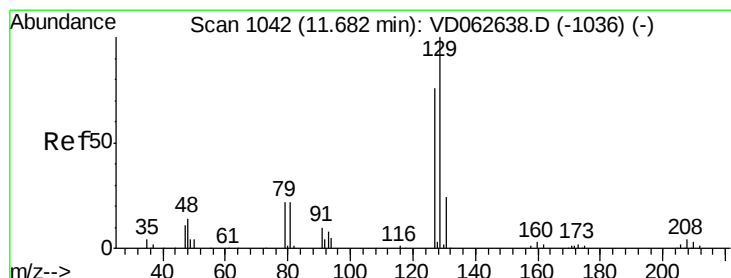
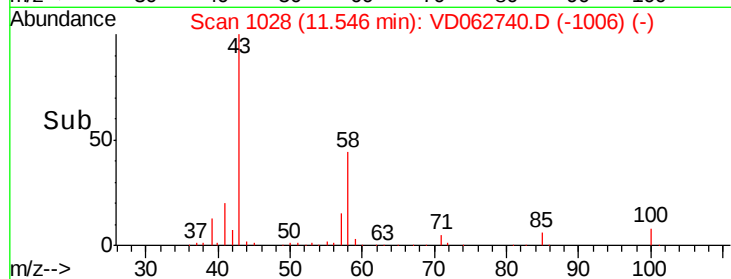
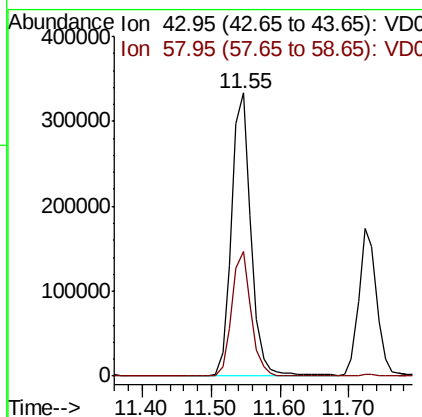
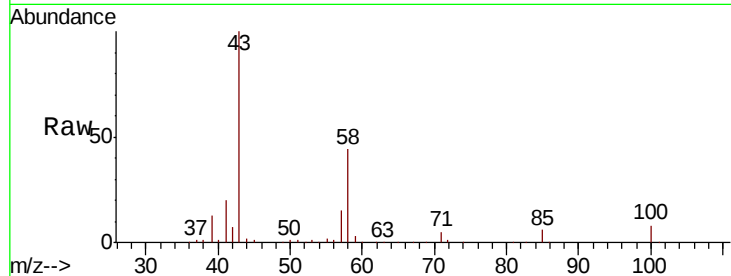




#59
2-Hexanone
Concen: 247.139 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

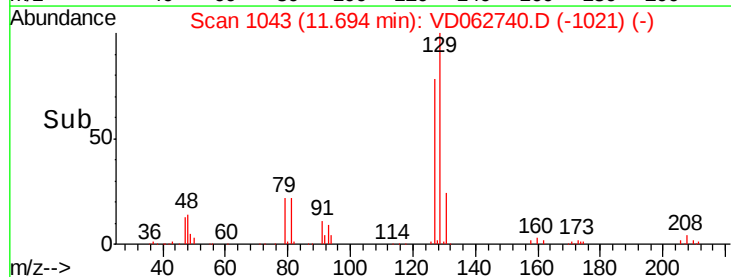
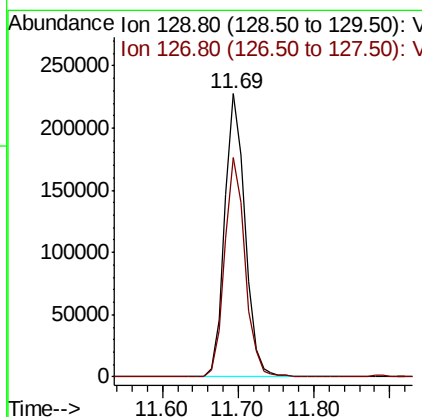
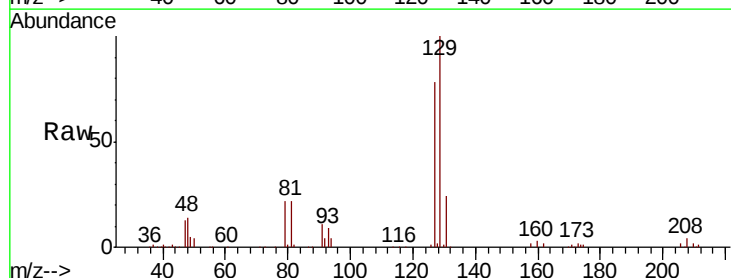
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

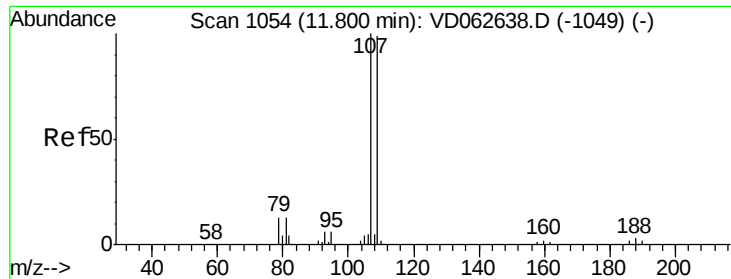
Tot Ion: 43 Resp: 649998
Ion Ratio Lower Upper
43 100
58 44.0 21.8 65.4



#60
Dibromochloromethane
Concen: 49.965 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 129 Resp: 425232
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1

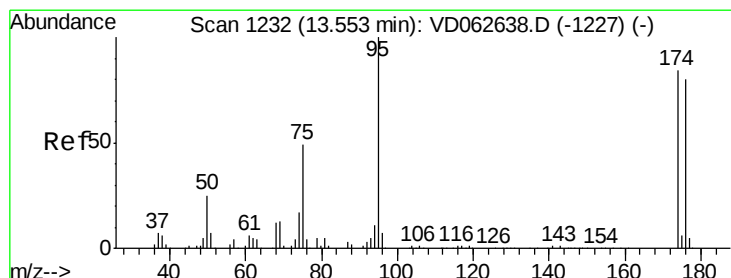
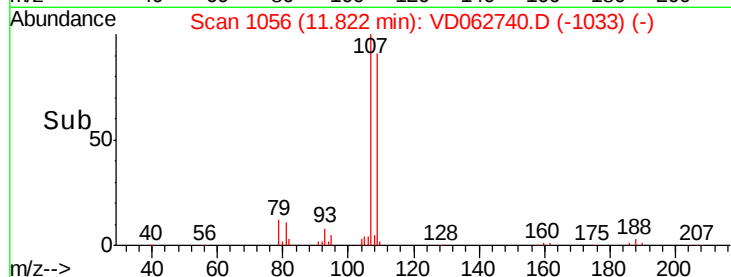
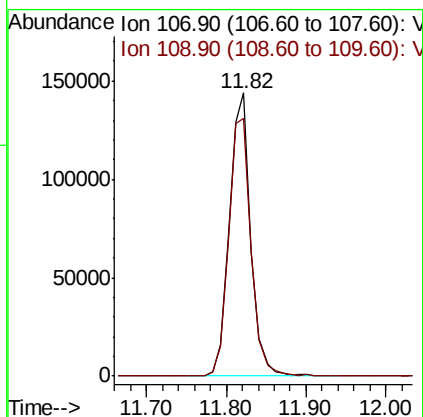
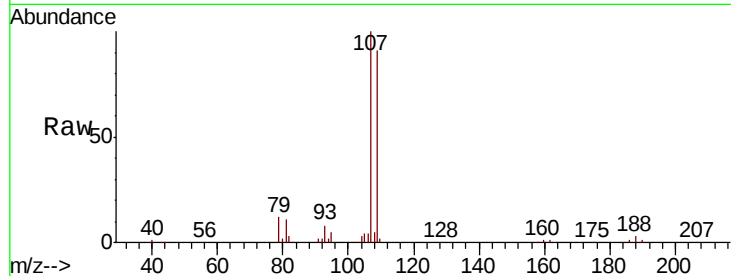




#61
 1,2-Dibromoethane
 Concen: 52.076 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

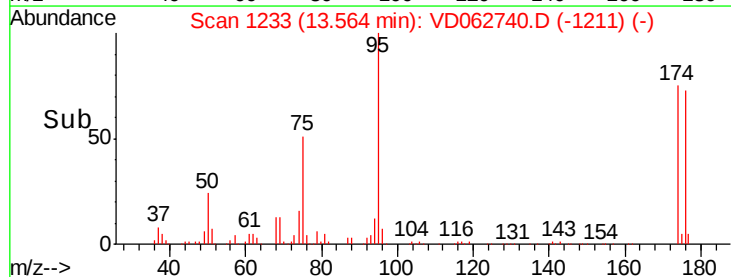
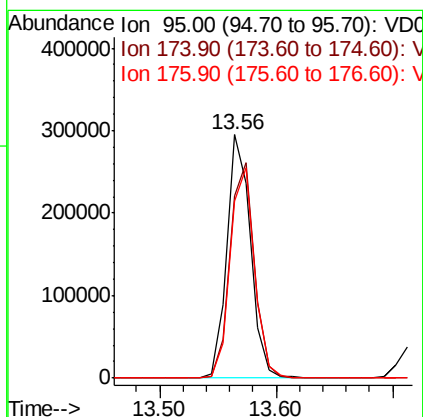
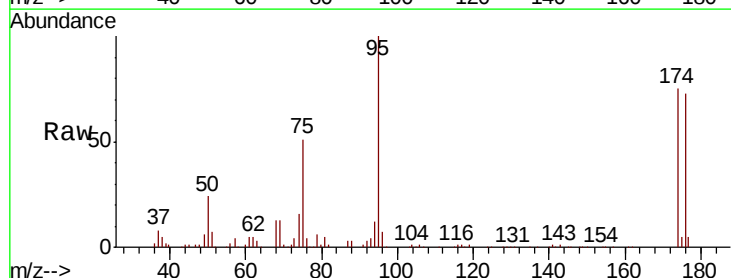
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

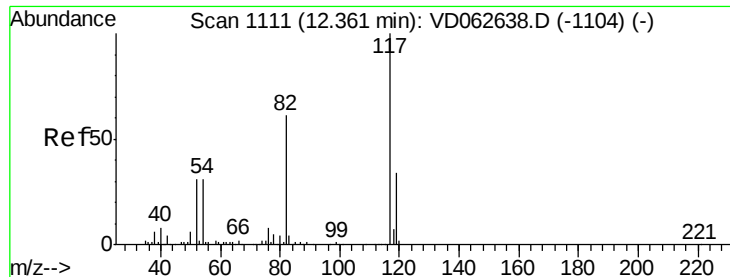
Tot Ion:107 Resp: 268705
 Ion Ratio Lower Upper
 107 100
 109 91.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 47.843 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion: 95 Resp: 414357
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 167.0
 176 72.9 0.0 159.2

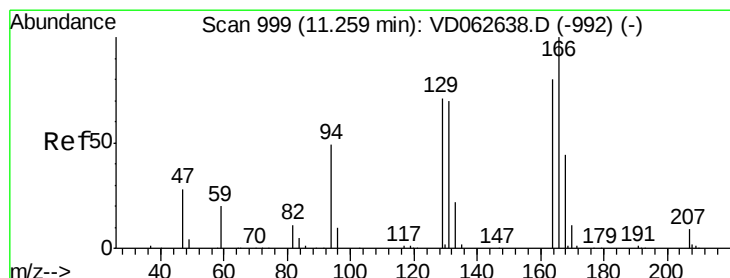
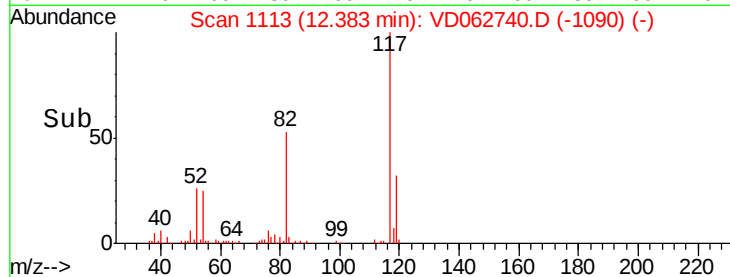
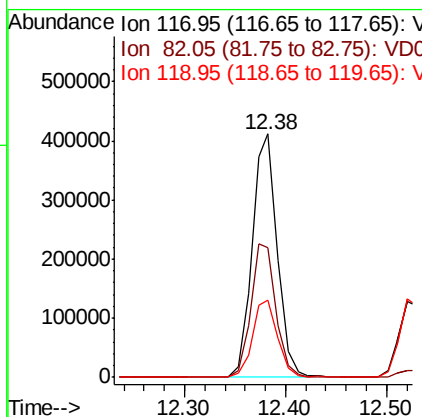
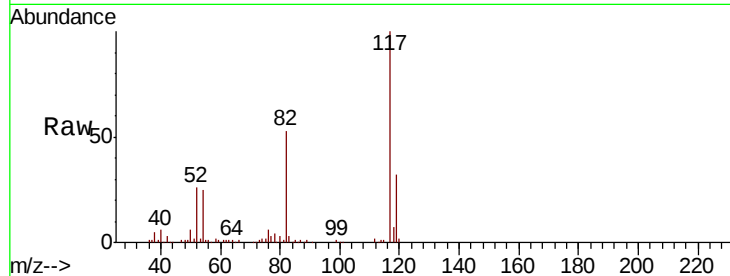




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

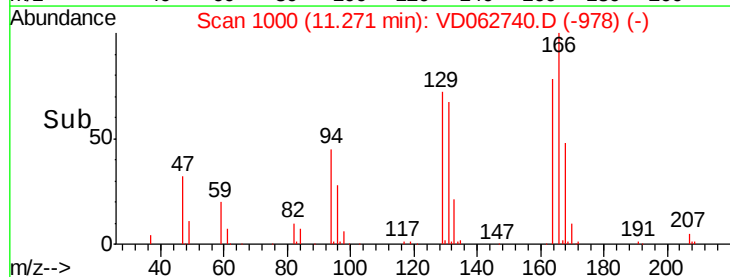
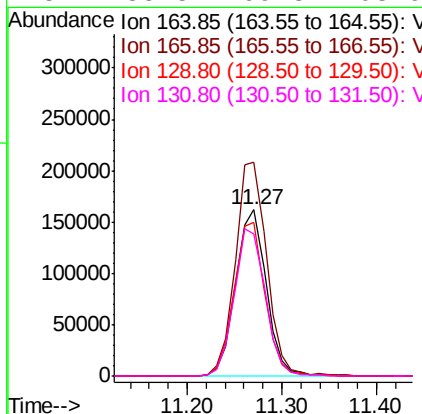
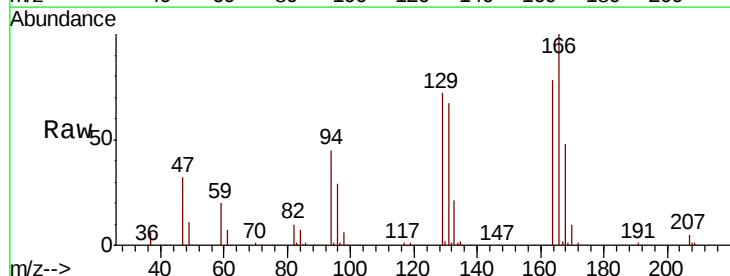
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

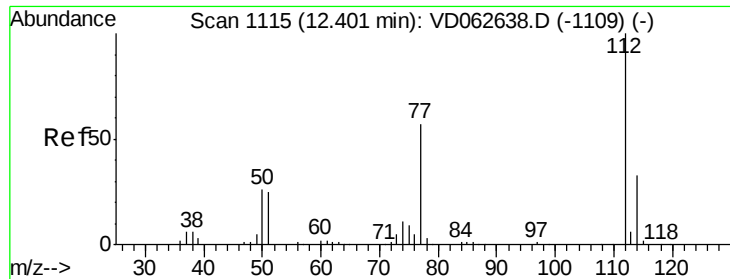
Tot Ion:117 Resp: 711789
Ion Ratio Lower Upper
117 100
82 53.1 48.7 73.1
119 31.9 27.0 40.6



#64
Tetrachloroethene
Concen: 54.628 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:164 Resp: 363991
Ion Ratio Lower Upper
164 100
166 128.5 99.4 149.2
129 92.2 70.2 105.4
131 85.5 69.3 103.9

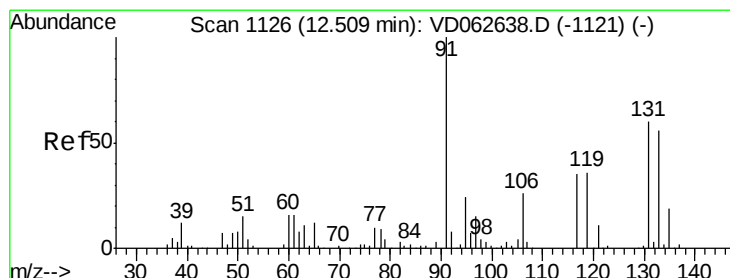
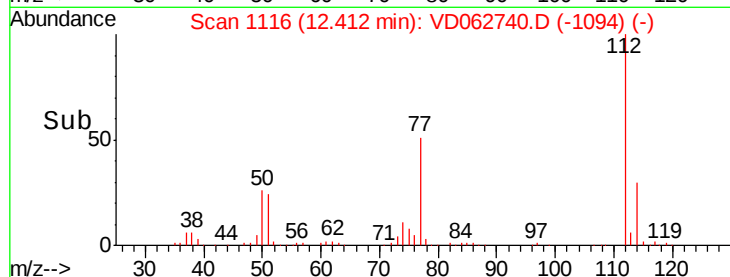
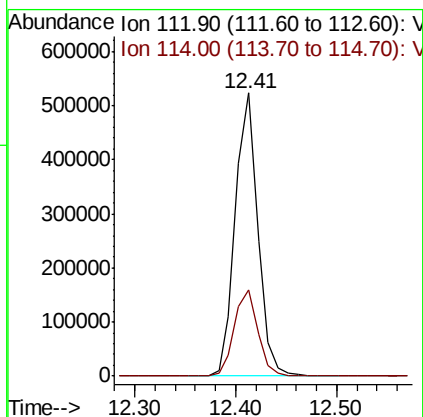
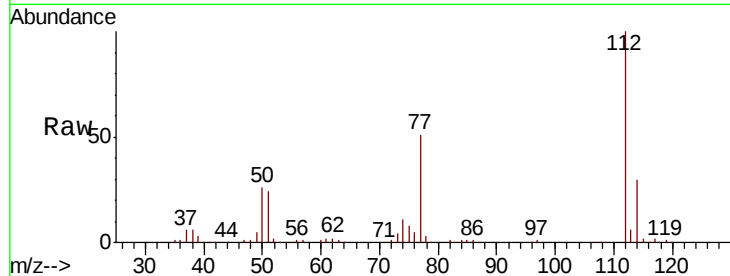




#65
Chlorobenzene
Concen: 51.541 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

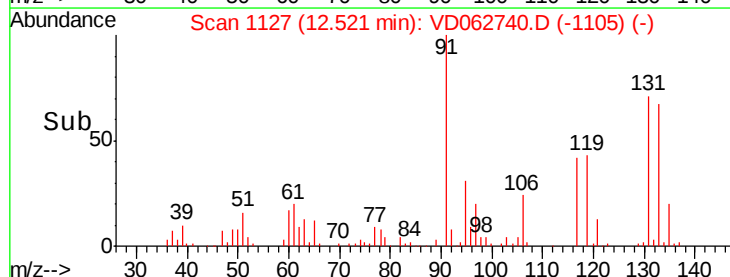
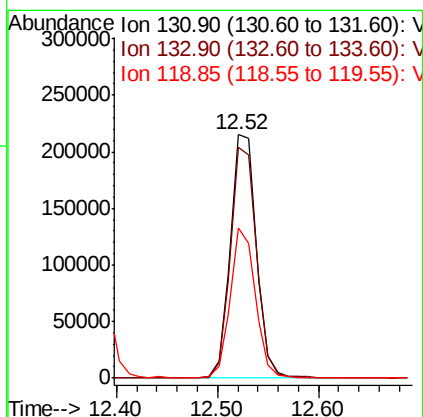
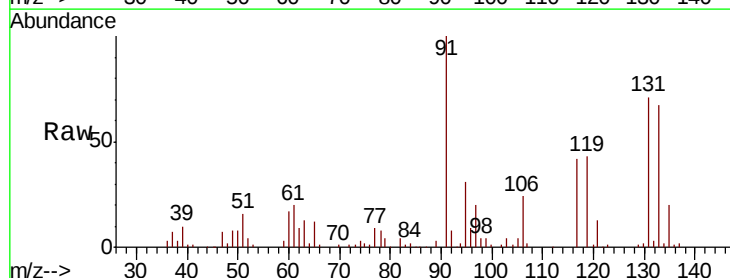
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

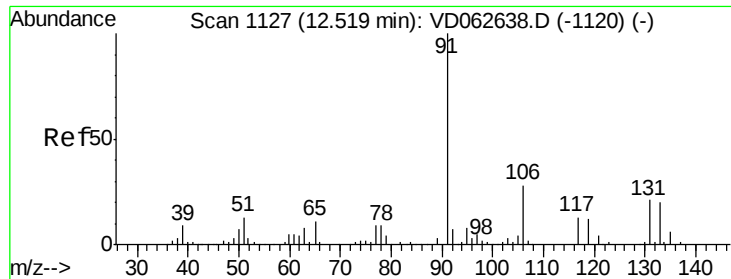
Tot Ion:112 Resp: 811489
Ion Ratio Lower Upper
112 100
114 30.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.094 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:131 Resp: 383666
Ion Ratio Lower Upper
131 100
133 95.0 46.8 140.3
119 61.5 29.9 89.8

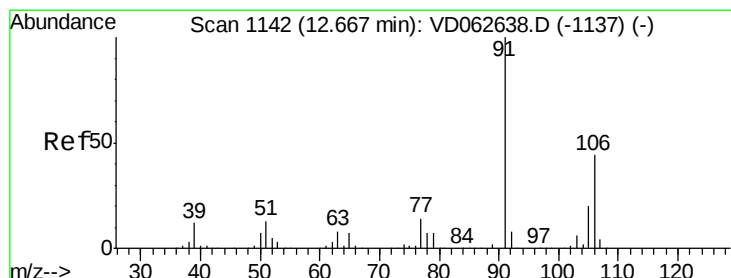
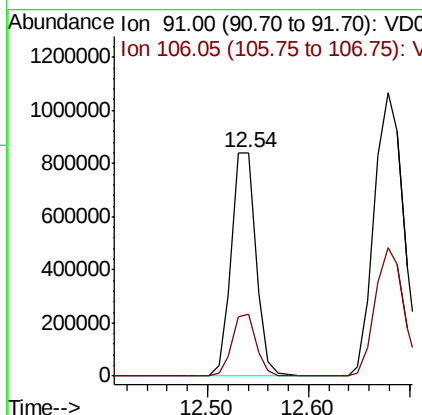
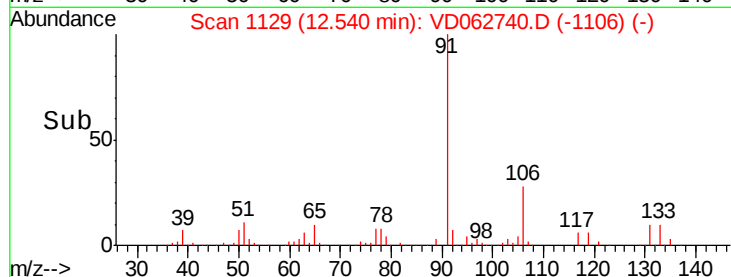
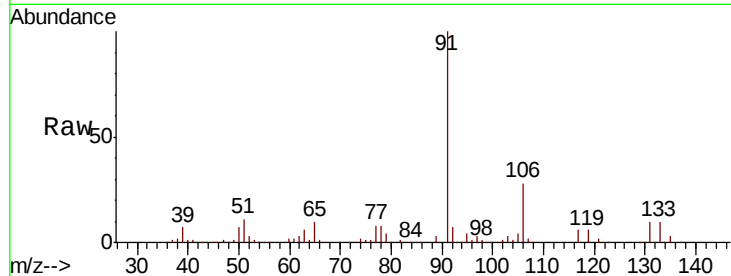




#67
Ethyl Benzene
Concen: 51.222 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

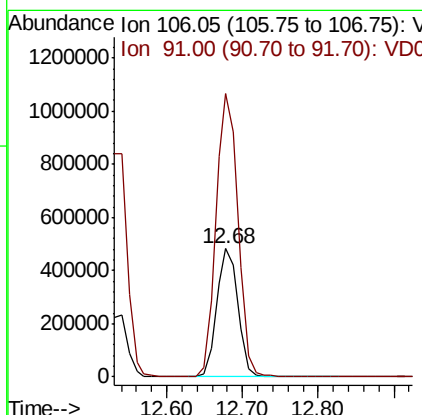
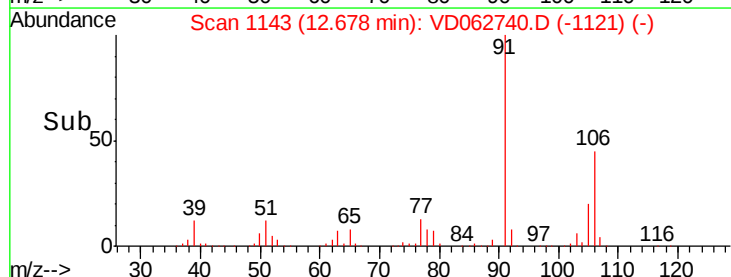
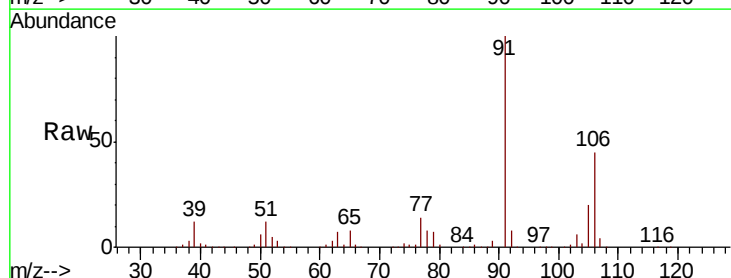
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

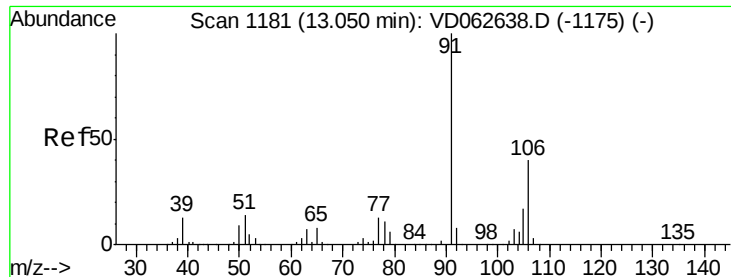
Tot Ion: 91 Resp: 1429876
Ion Ratio Lower Upper
91 100
106 27.9 22.1 33.1



#68
m/p-Xylenes
Concen: 97.229 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 106 Resp: 954177
Ion Ratio Lower Upper
106 100
91 220.9 180.2 270.4

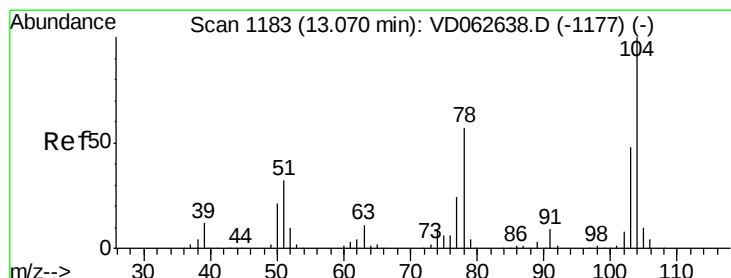
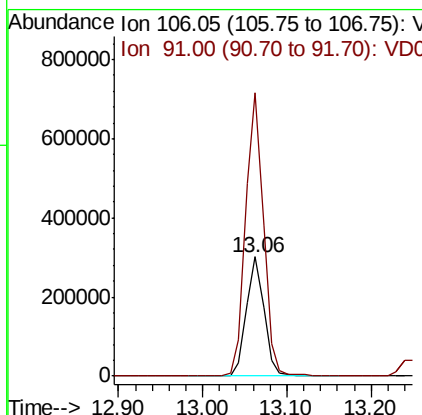
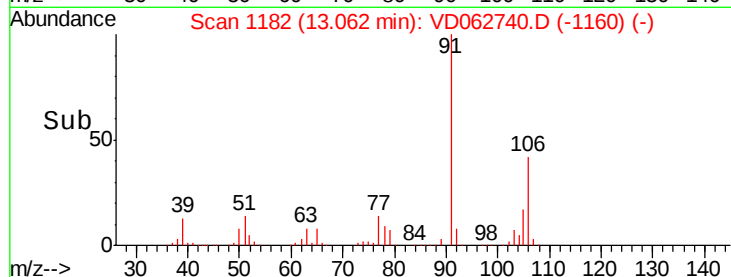
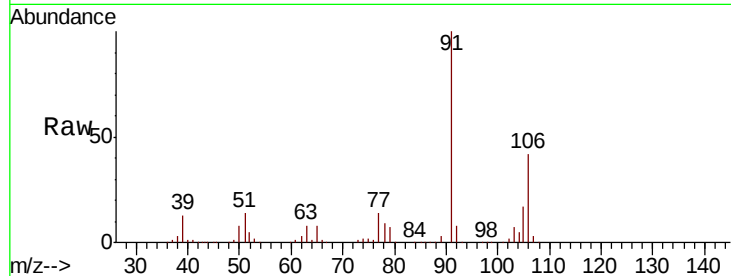




#69
o-Xylene
Concen: 49.352 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

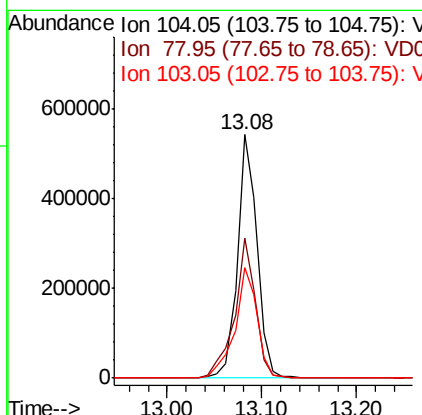
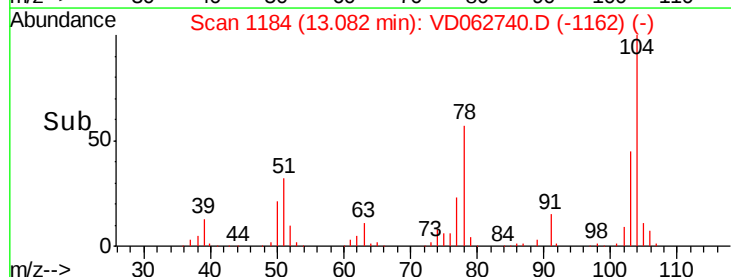
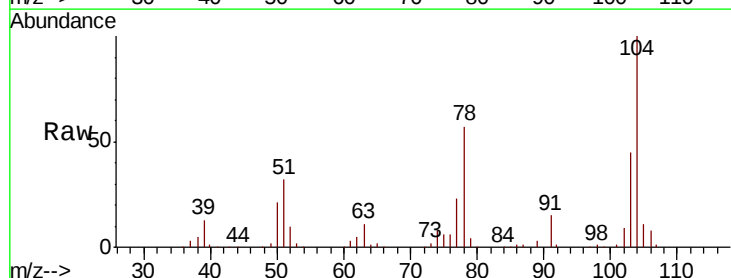
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

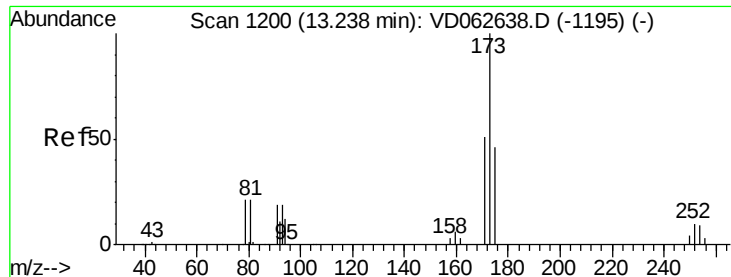
Tot Ion:106 Resp: 444809
Ion Ratio Lower Upper
106 100
91 237.9 124.1 372.1



#70
Styrene
Concen: 48.178 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:104 Resp: 774786
Ion Ratio Lower Upper
104 100
78 57.4 45.9 68.9
103 45.1 38.4 57.6

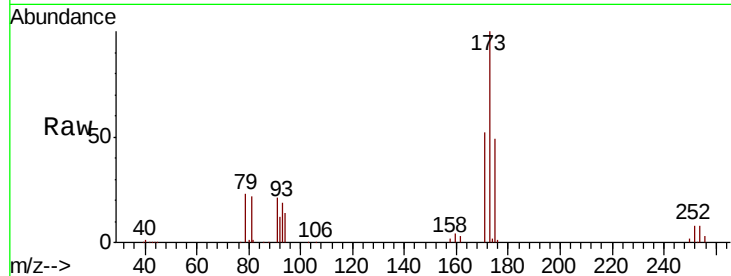




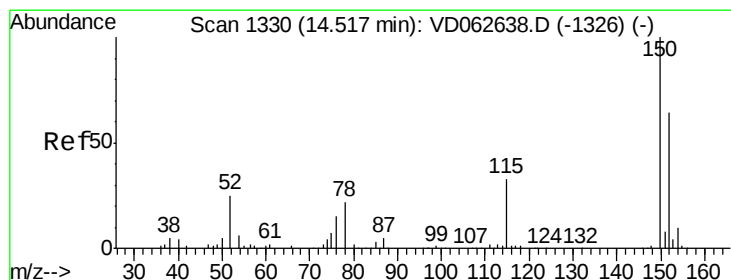
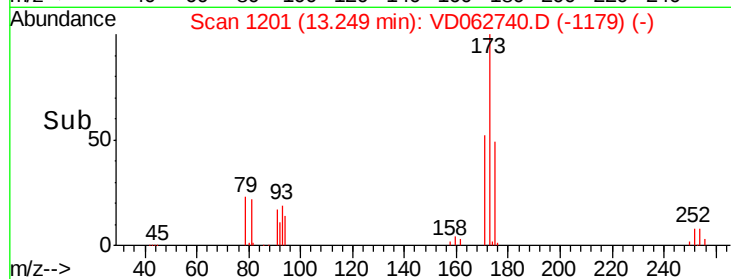
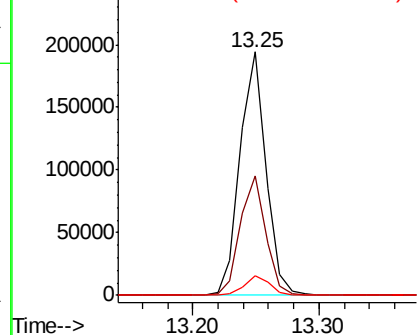
#71
Bromoform
Concen: 47.966 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 275604
Ion Ratio Lower Upper
173 100
175 49.3 22.9 68.7
254 8.2 7.0 10.4

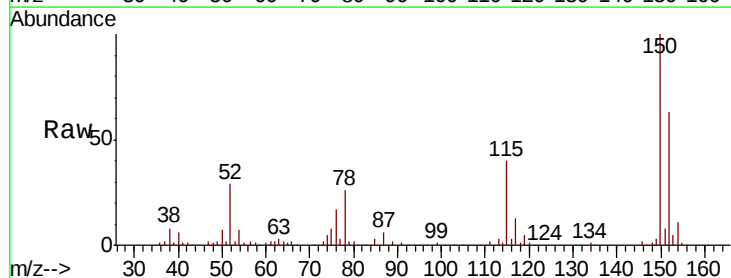


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

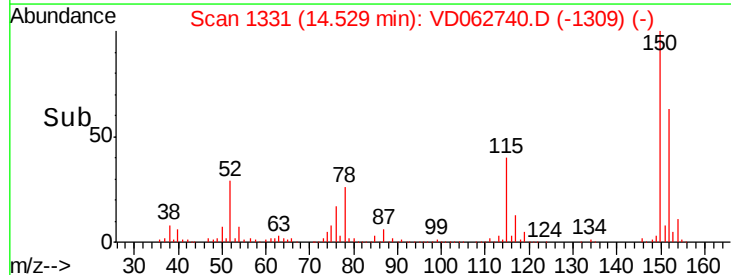
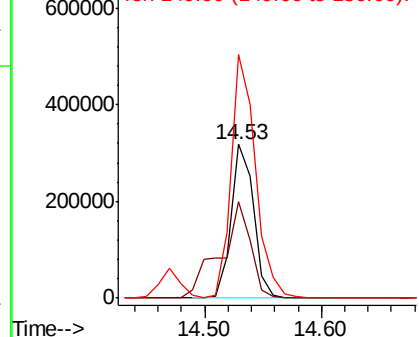


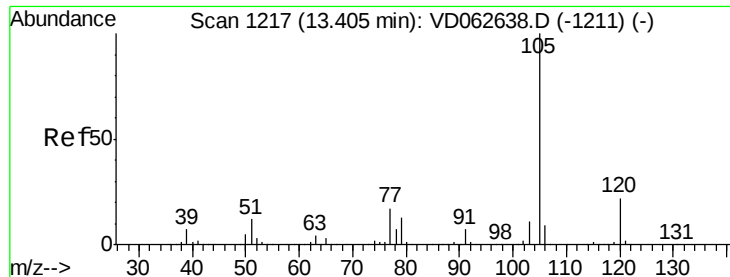
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:152 Resp: 422774
Ion Ratio Lower Upper
152 100
115 62.8 30.1 90.5
150 158.1 0.0 314.0



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: 51.442 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

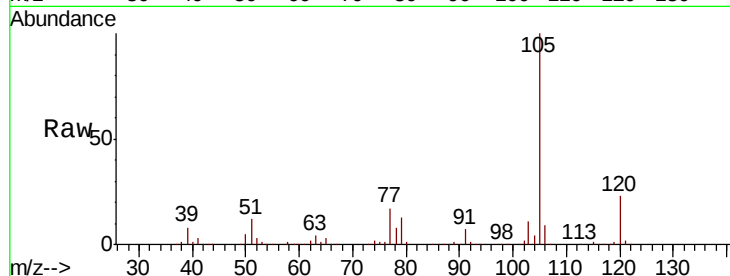
VSTDCCC050EC

Tot Ion:105 Resp: 1532935

Ion Ratio Lower Upper

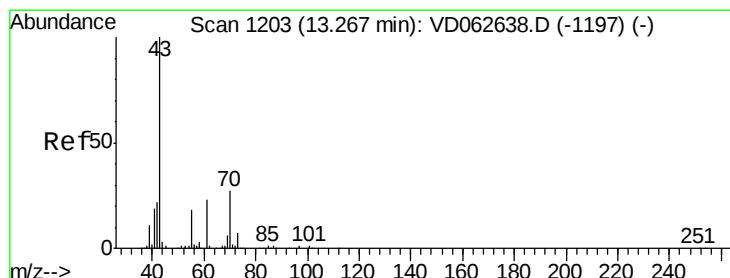
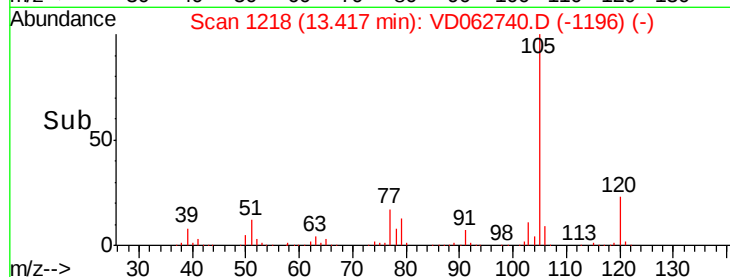
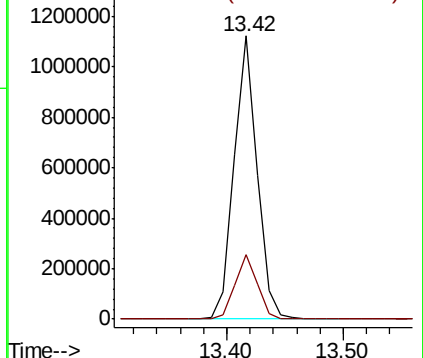
105 100

120 22.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.709 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion: 43 Resp: 376168

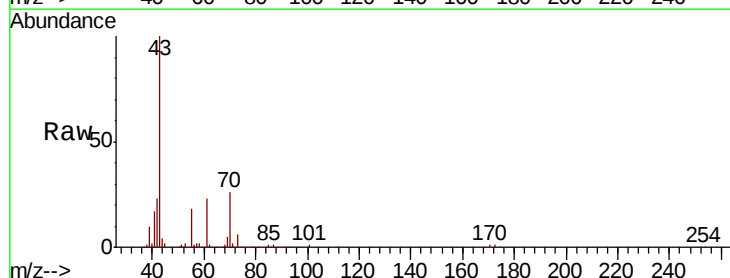
Ion Ratio Lower Upper

43 100

70 25.8 21.8 32.8

55 18.3 14.6 21.8

61 23.4 18.4 27.6

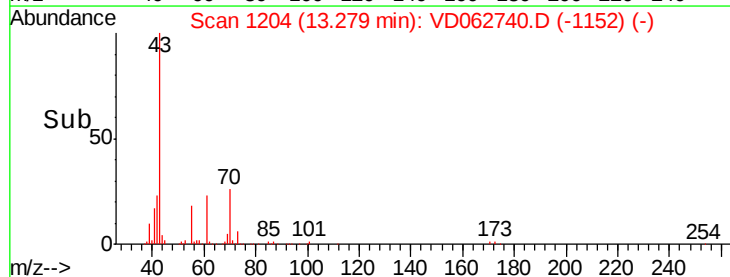
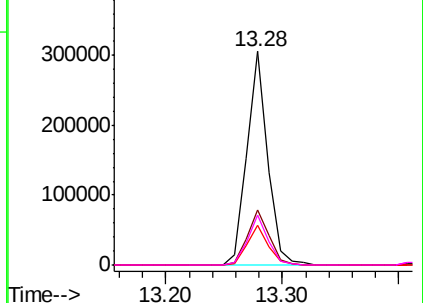


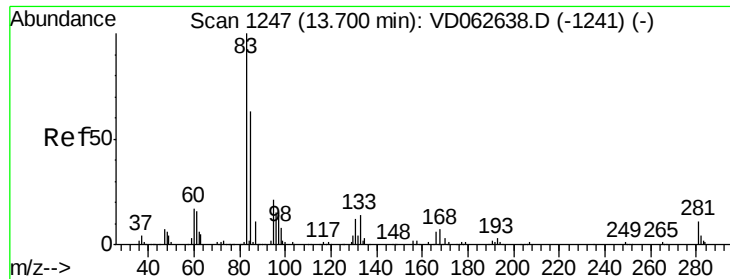
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 47.368 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

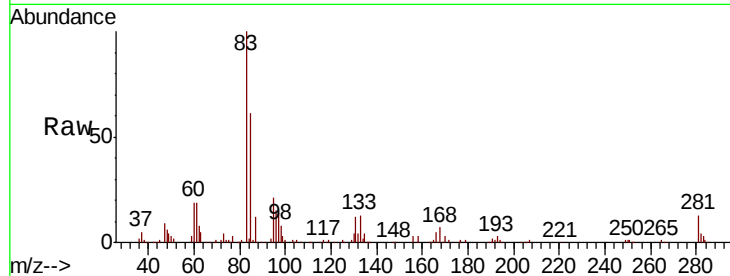
Tot Ion: 83 Resp: 241521

Ion Ratio Lower Upper

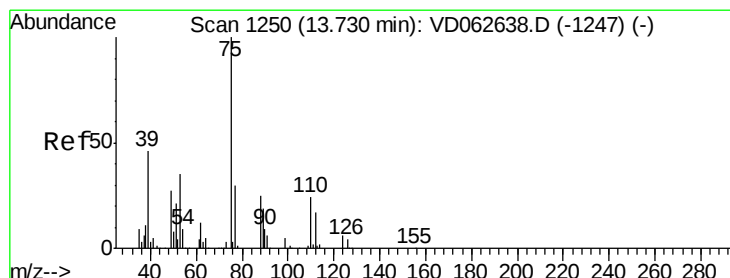
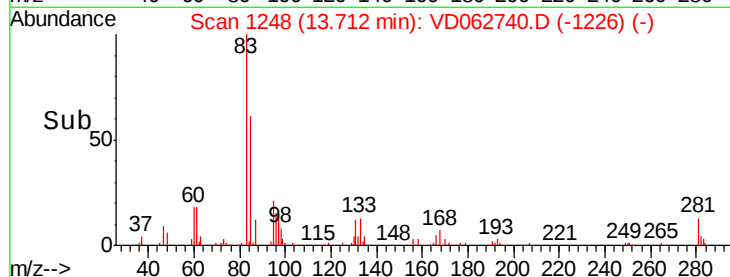
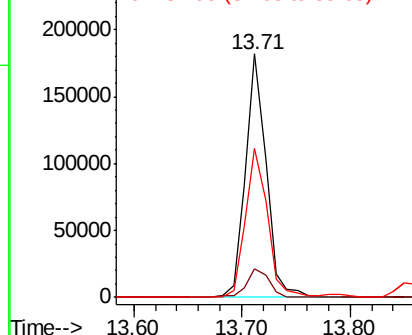
83 100

131 11.7 5.9 17.7

85 61.3 31.3 93.9



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: 47.353 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062740.D

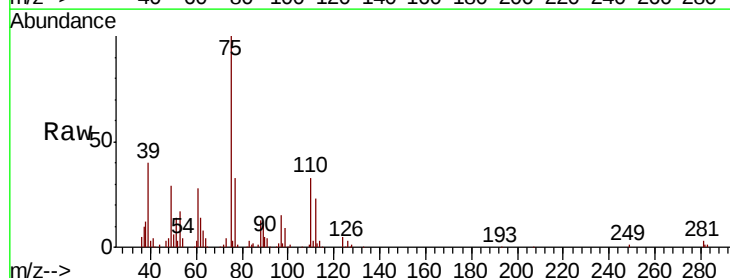
Acq: 17 Jun 2019 21:22

Tgt Ion: 75 Resp: 271446

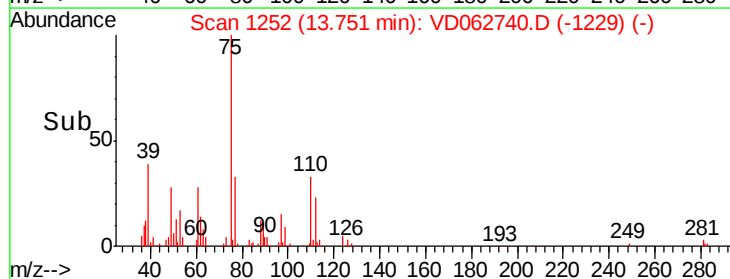
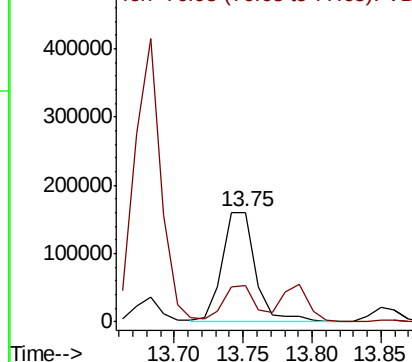
Ion Ratio Lower Upper

75 100

77 33.2 16.2 48.6



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





#77

Bromobenzene

Concen: 49.724 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

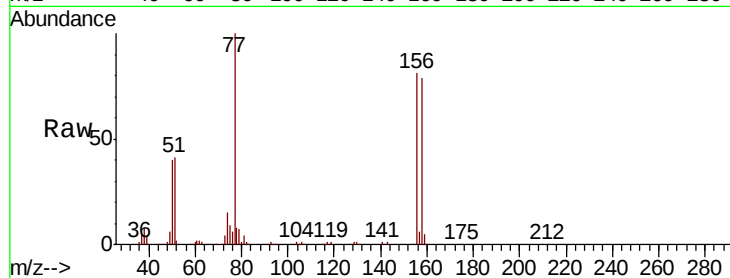
Tot Ion:156 Resp: 423505

Ion Ratio Lower Upper

156 100

77 123.1 56.3 168.8

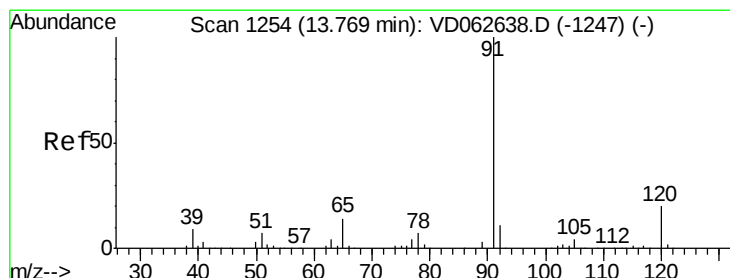
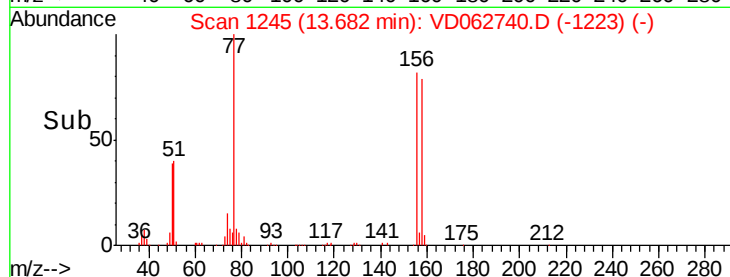
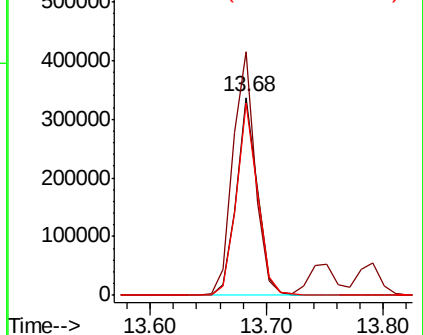
158 97.3 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.697 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062740.D

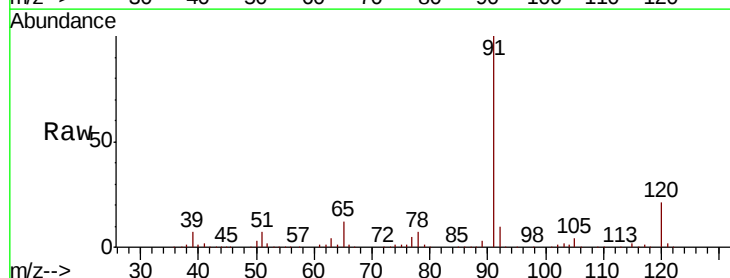
Acq: 17 Jun 2019 21:22

Tgt Ion: 91 Resp: 1703314

Ion Ratio Lower Upper

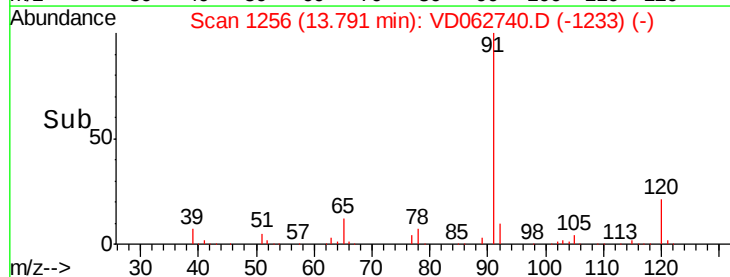
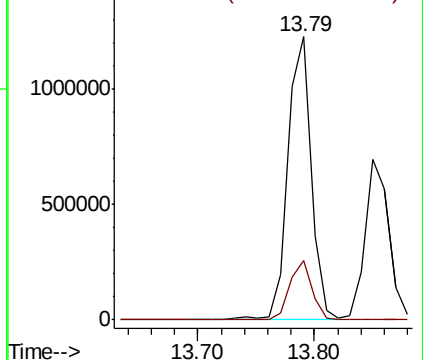
91 100

120 21.0 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

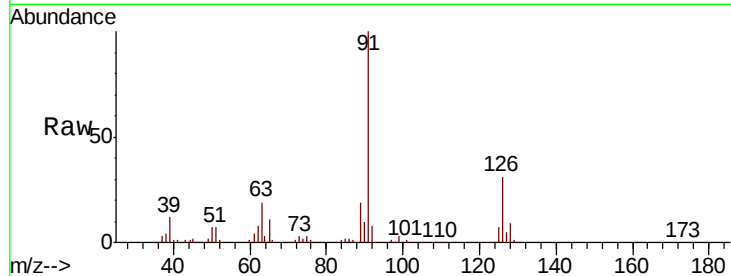




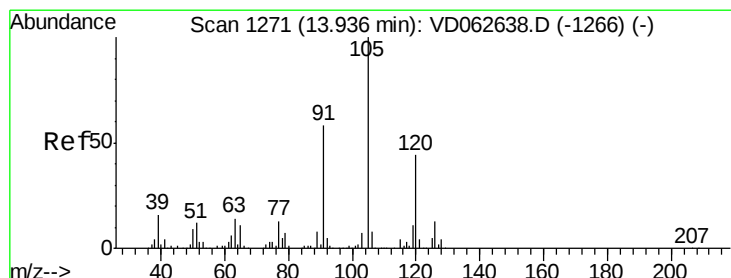
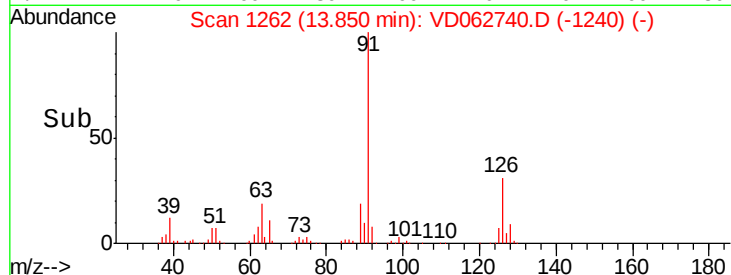
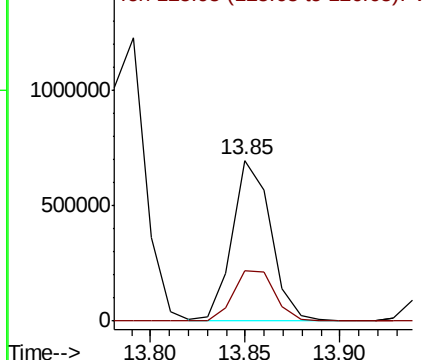
#79
2-Chlorotoluene
Concen: 45.355 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 968665
Ion Ratio Lower Upper
91 100
126 31.4 15.8 47.4

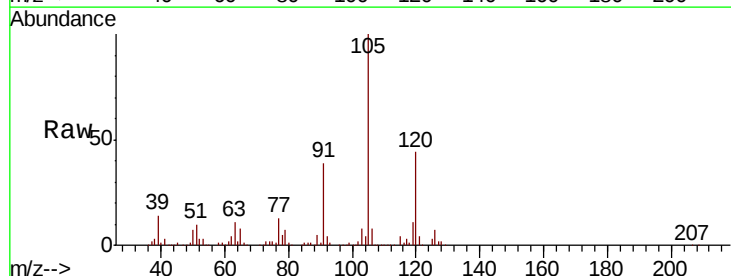


Abundance Ion 91.00 (90.70 to 91.70): VD062740.D (-1240) (-)
Ion 125.95 (125.65 to 126.65): VD062740.D (-1240) (-)

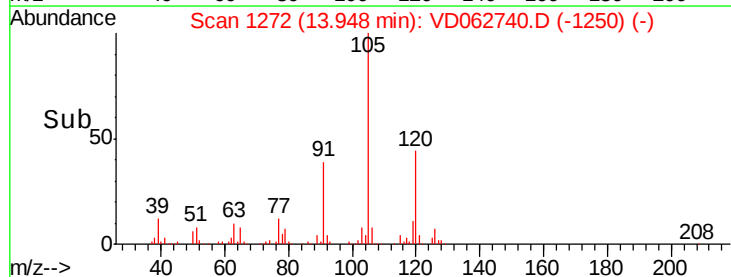
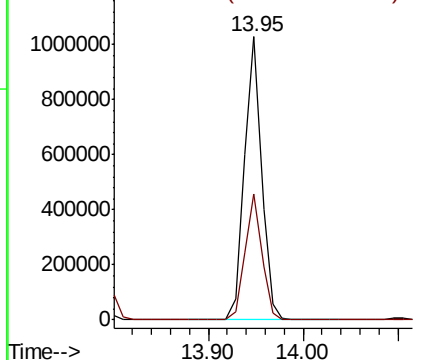


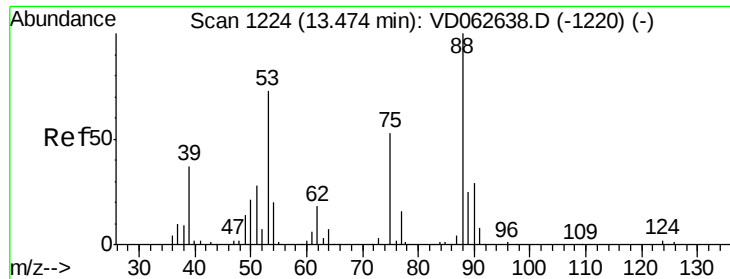
#80
1,3,5-Trimethylbenzene
Concen: 49.020 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 105 Resp: 1290989
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062740.D (-1250) (-)
Ion 120.05 (119.75 to 120.75): VD062740.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 42.238 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

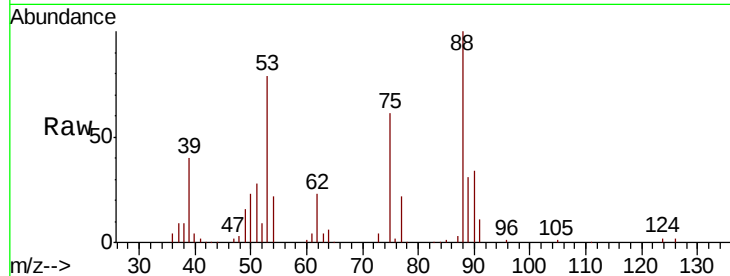
Tot Ion: 75 Resp: 70690

Ion Ratio Lower Upper

75 100

53 130.0 109.4 164.2

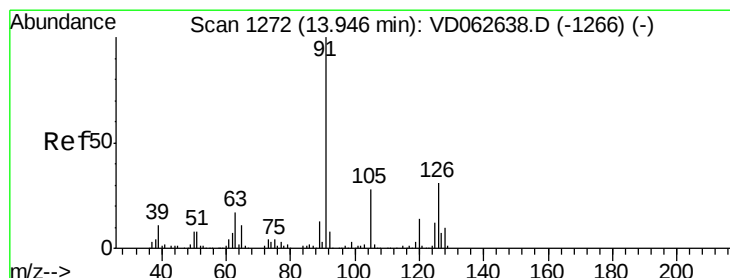
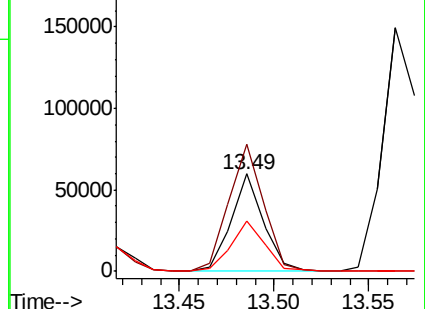
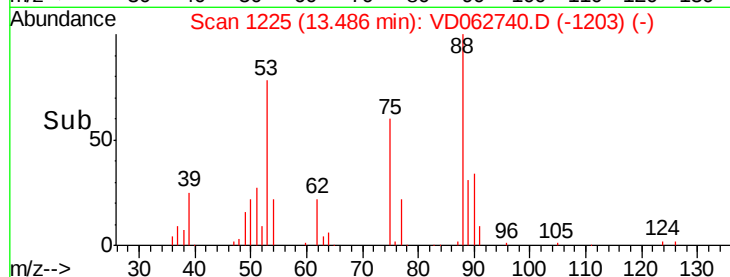
89 51.1 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.159 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062740.D

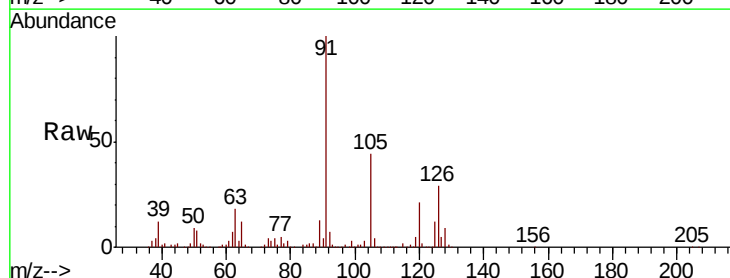
Acq: 17 Jun 2019 21:22

Tgt Ion: 91 Resp: 1230028

Ion Ratio Lower Upper

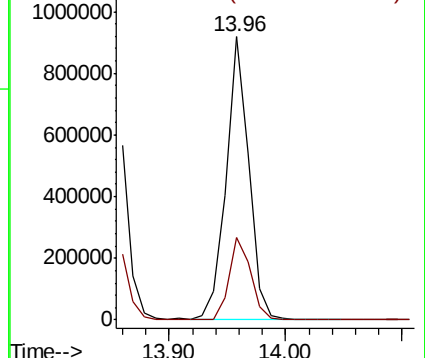
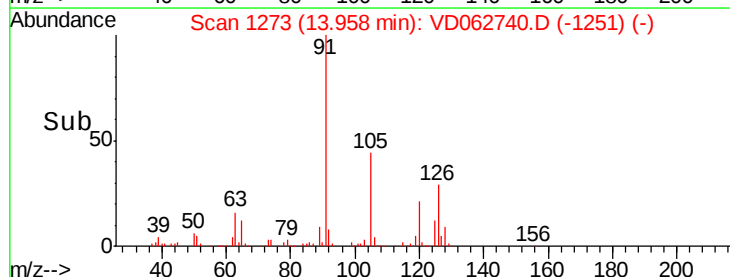
91 100

126 29.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

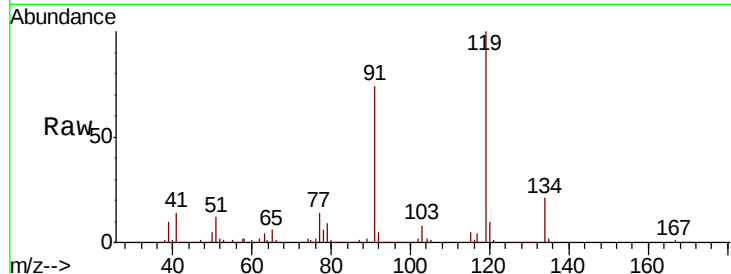




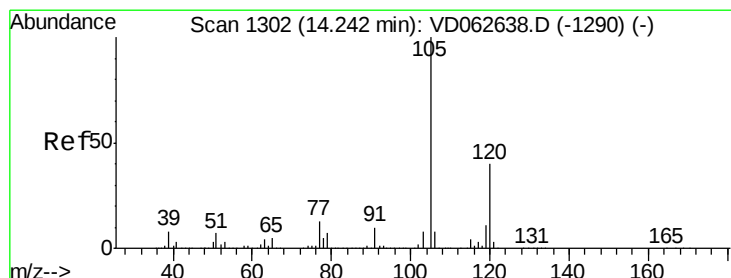
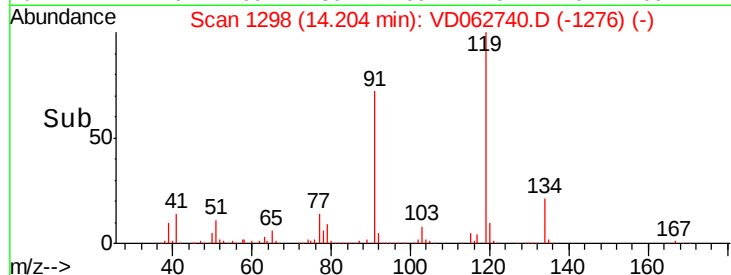
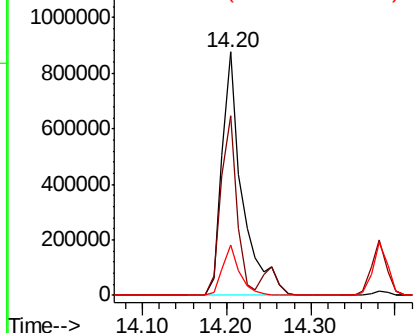
#83
 tert-Butylbenzene
 Concen: 50.676 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1472020
 Ion Ratio Lower Upper
 119 100
 91 73.9 35.4 106.1
 134 20.8 10.8 32.3

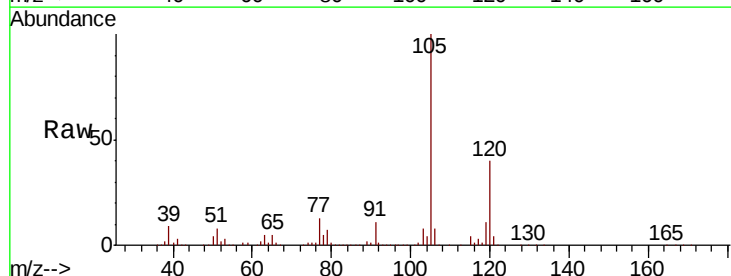


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

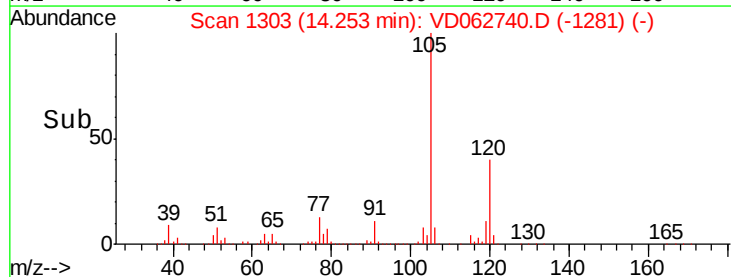
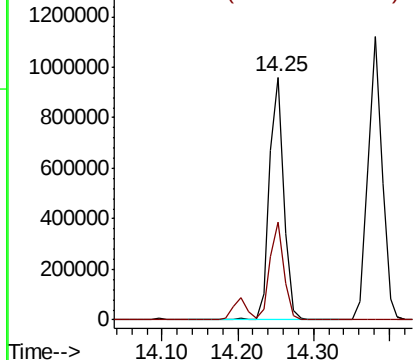


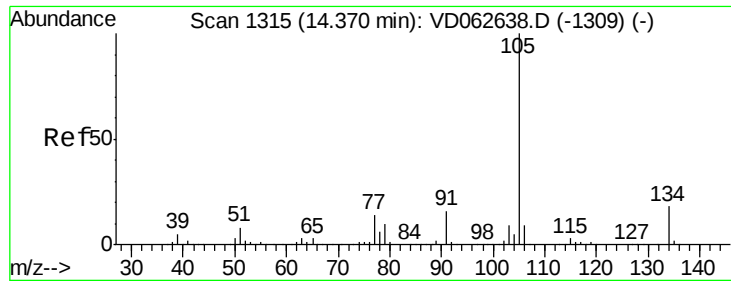
#84
 1,2,4-Trimethylbenzene
 Concen: 48.817 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion:105 Resp: 1272956
 Ion Ratio Lower Upper
 105 100
 120 40.5 20.3 60.8



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





#85

sec-Butylbenzene

Concen: 46.922 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

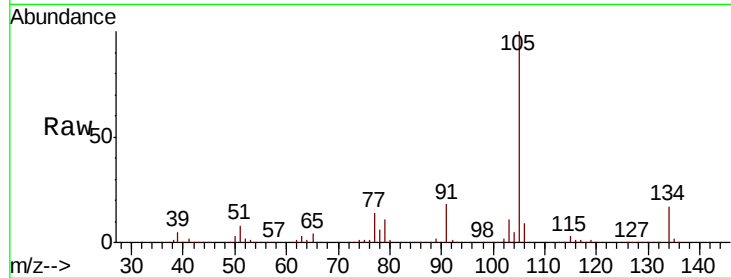
VSTDCCC050EC

Tot Ion:105 Resp: 1429205

Ion Ratio Lower Upper

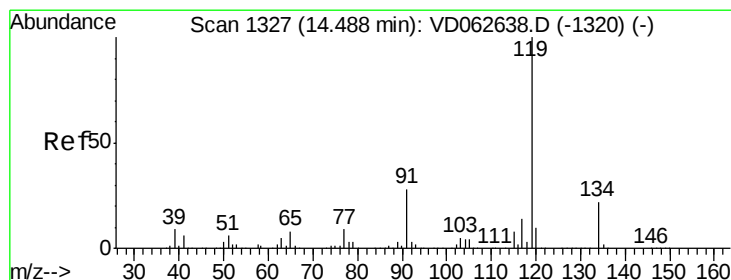
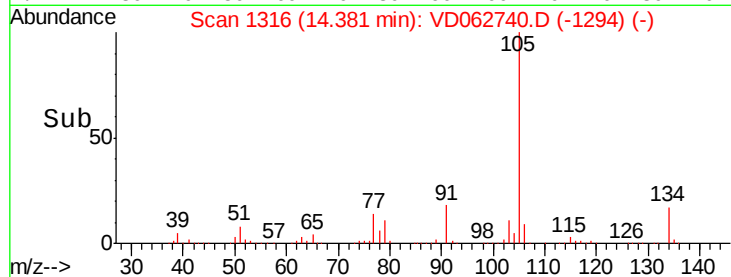
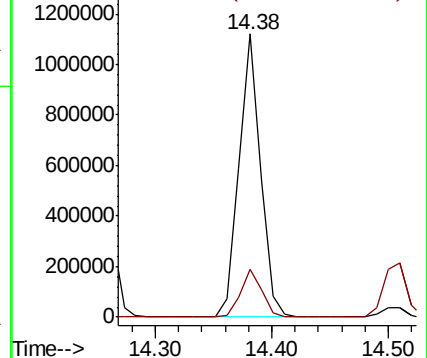
105 100

134 16.8 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.325 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

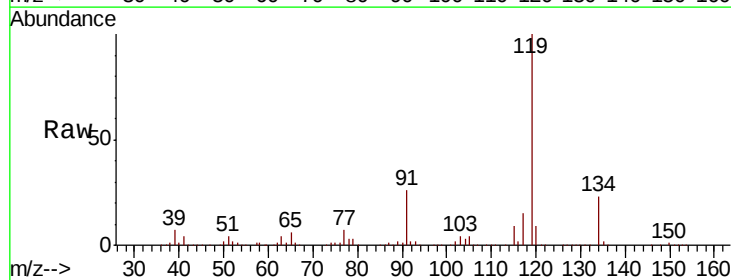
Tgt Ion:119 Resp: 1344164

Ion Ratio Lower Upper

119 100

134 23.3 10.9 32.6

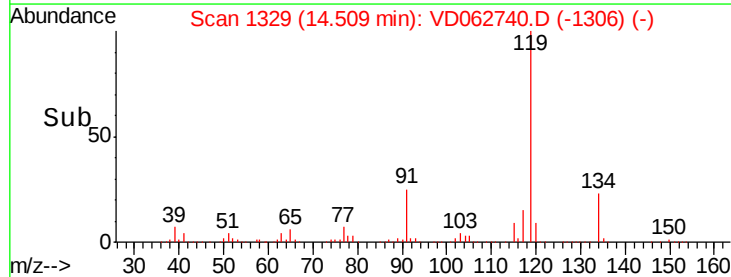
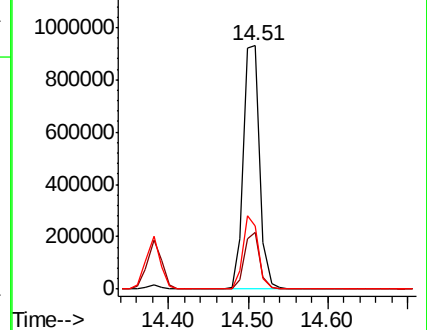
91 25.7 13.9 41.6

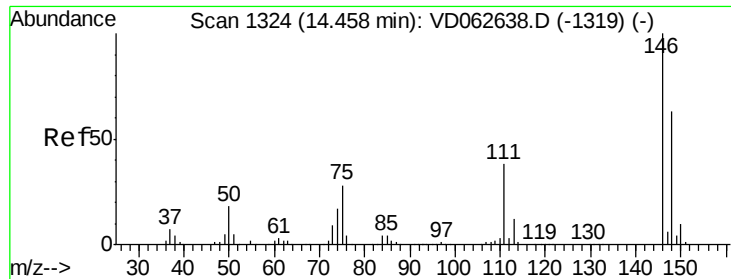


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

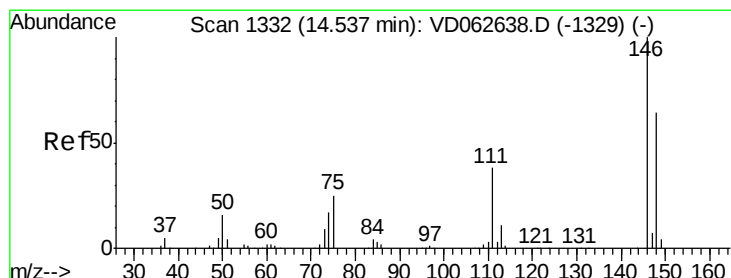
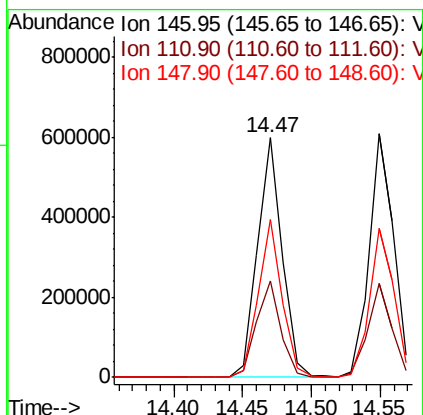
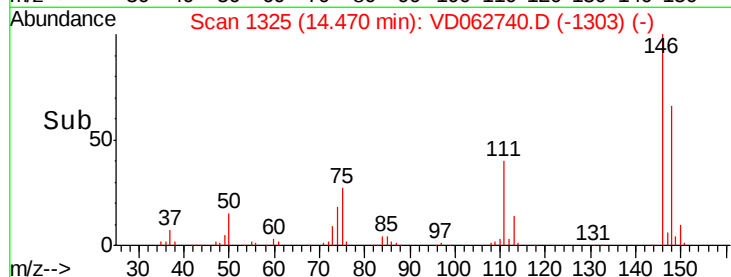
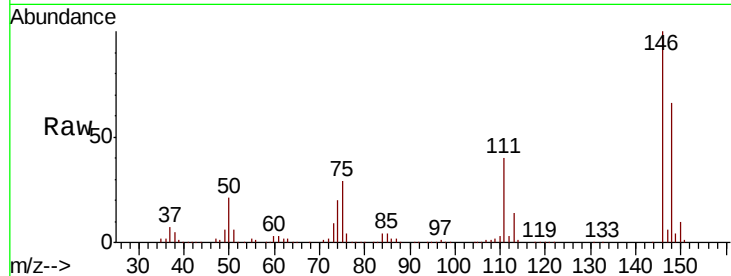




#87
 1,3-Dichlorobenzene
 Concen: 48.389 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

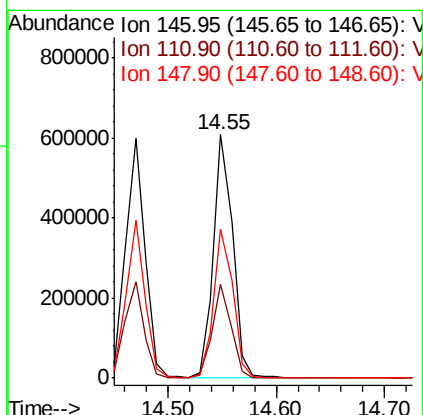
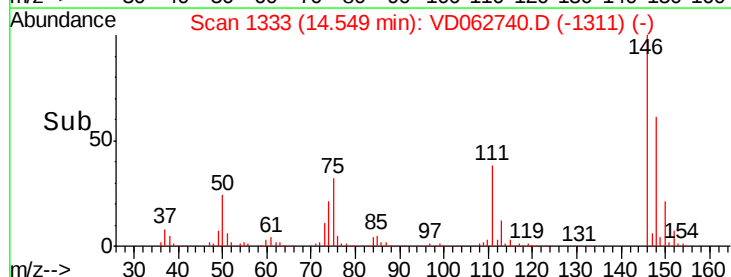
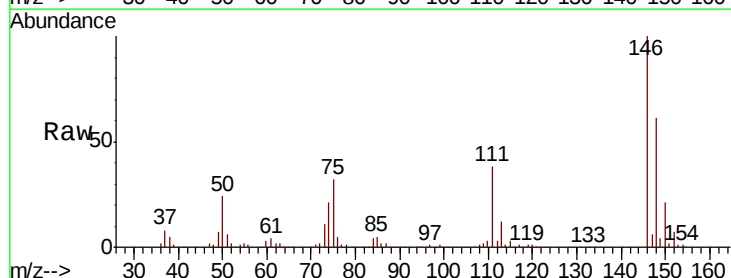
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

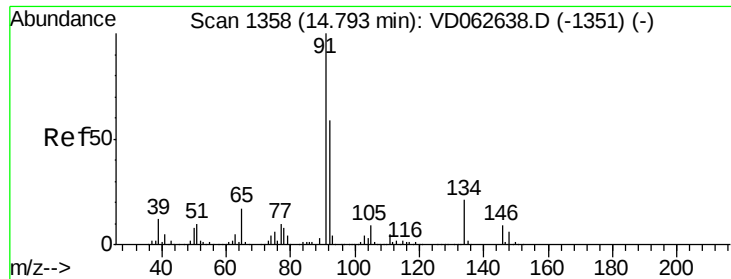
Tot Ion:146 Resp: 746623
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.2 57.6
 148 65.7 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 51.861 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion:146 Resp: 756227
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.7
 148 61.3 32.3 96.8

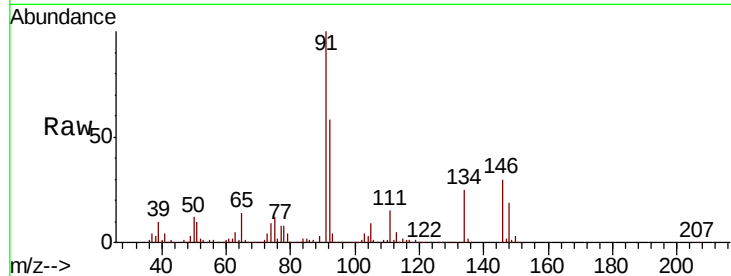




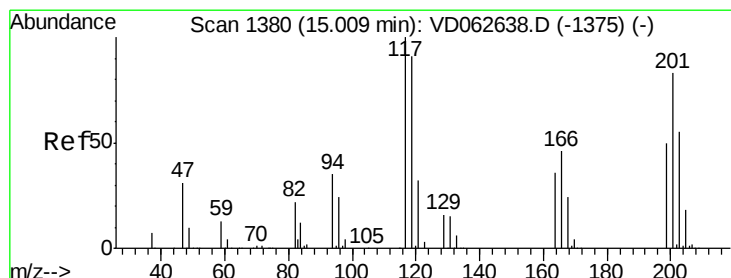
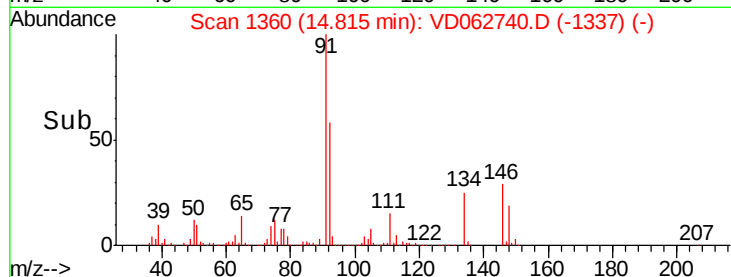
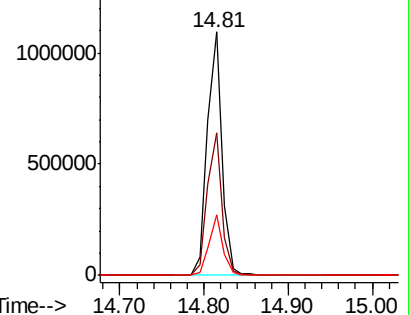
#89
n-Butylbenzene
Concen: 49.526 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1321323
Ion Ratio Lower Upper
91 100
92 58.4 29.4 88.3
134 24.7 10.4 31.2

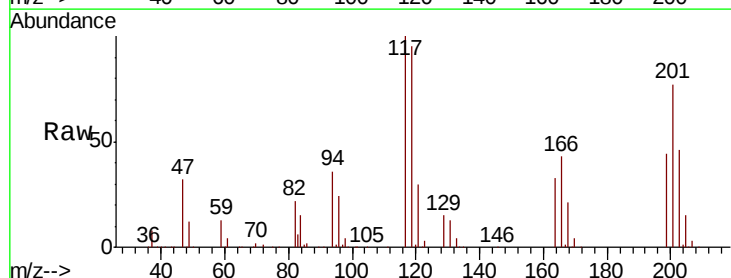


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

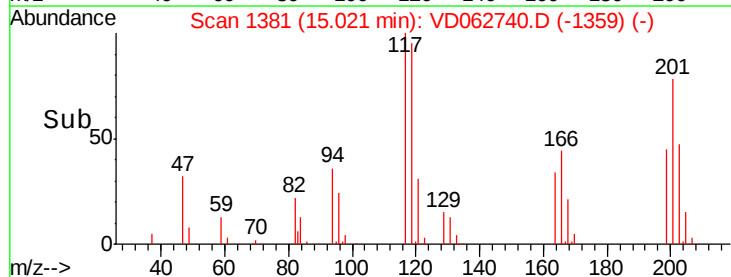
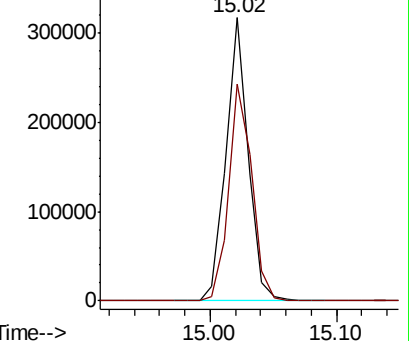


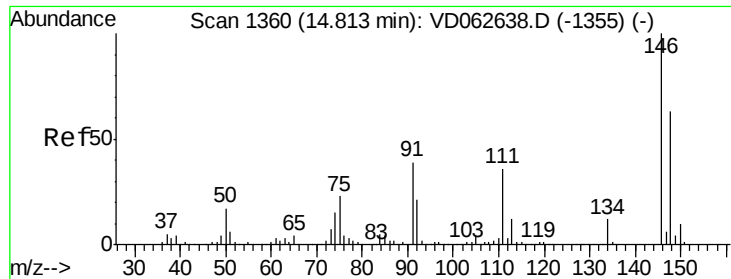
#90
Hexachloroethane
Concen: 48.640 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 117 Resp: 380808
Ion Ratio Lower Upper
117 100
201 76.7 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

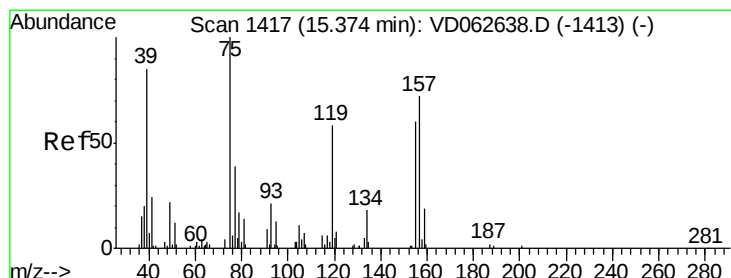
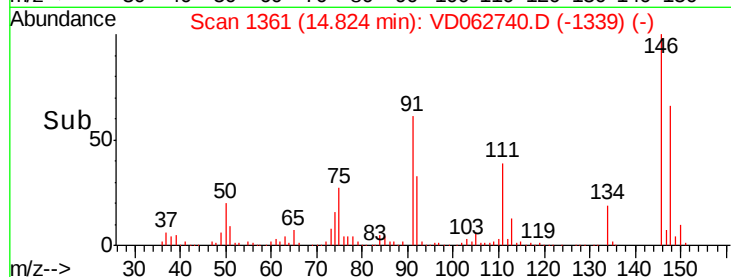
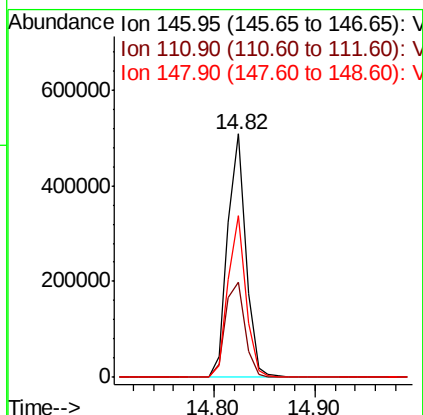
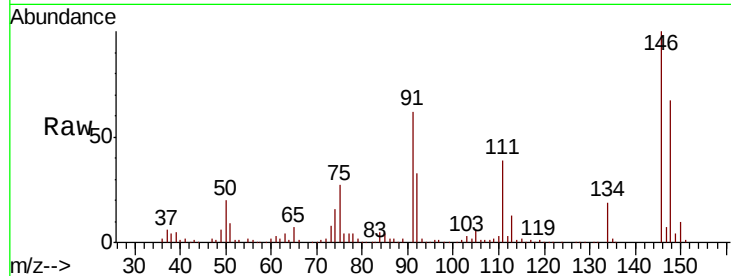




#91
 1,2-Dichlorobenzene
 Concen: 49.934 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

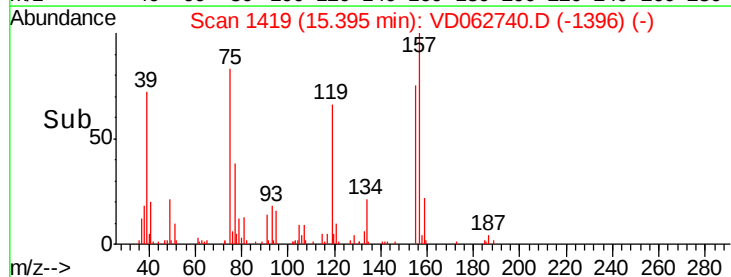
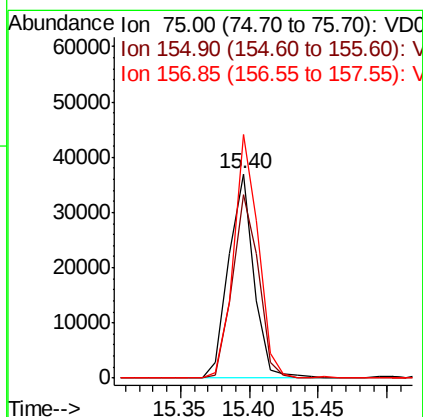
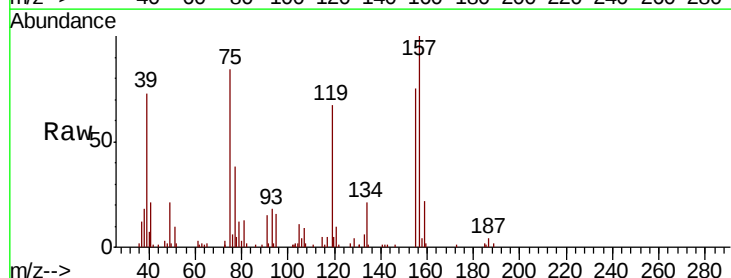
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

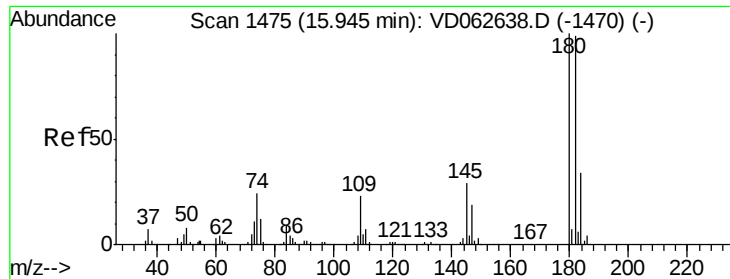
Tot Ion:146 Resp: 640452
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.1 54.3
 148 66.5 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.101 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion: 75 Resp: 46943
 Ion Ratio Lower Upper
 75 100
 155 90.0 30.1 90.5
 157 119.2 35.9 107.8#

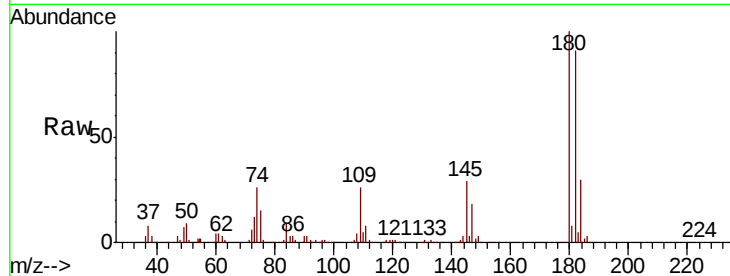




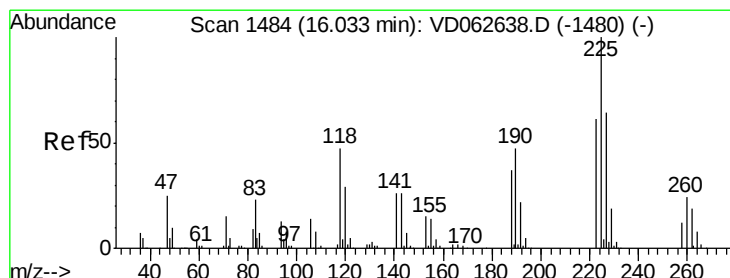
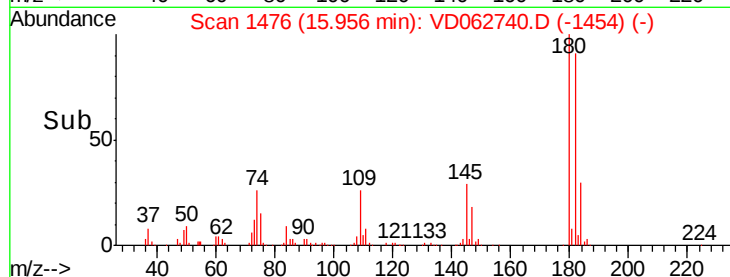
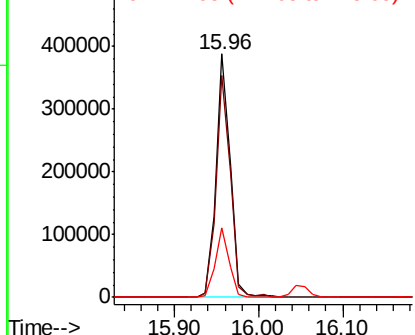
#93
 1,2,4-Trichlorobenzene
 Concen: 42.660 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 458018
 Ion Ratio Lower Upper
 180 100
 182 91.1 49.4 148.2
 145 28.6 14.5 43.6

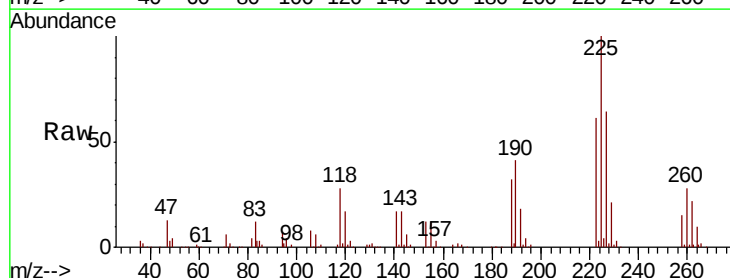


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

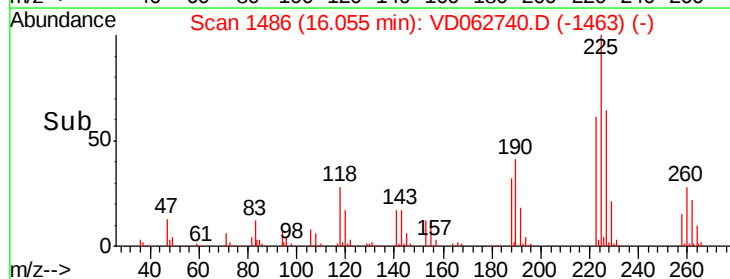
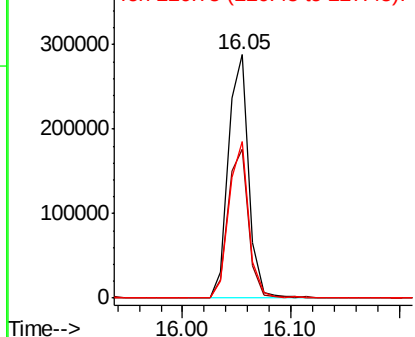


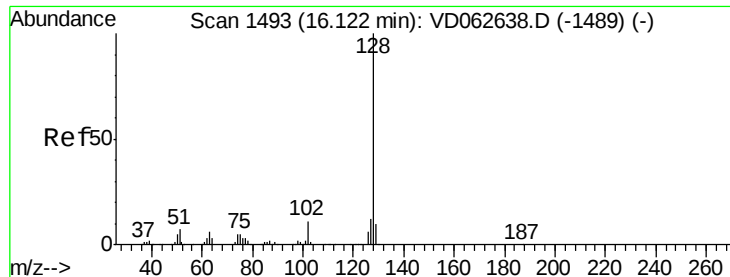
#94
 Hexachlorobutadiene
 Concen: 49.793 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion:225 Resp: 377062
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.3 91.0
 227 64.3 31.8 95.4



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: 43.921 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

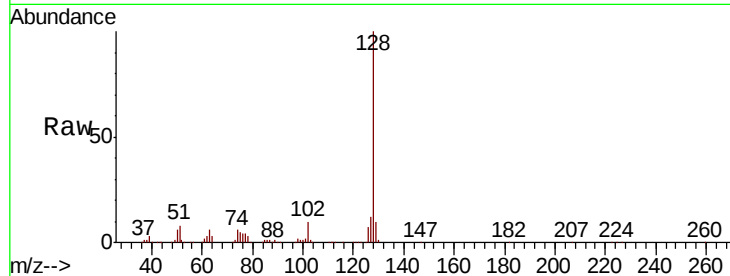
Tot Ion:128 Resp: 666849

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

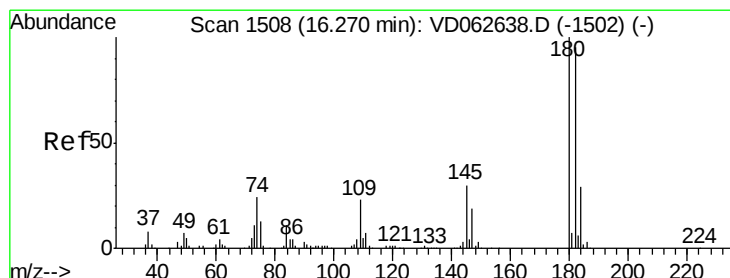
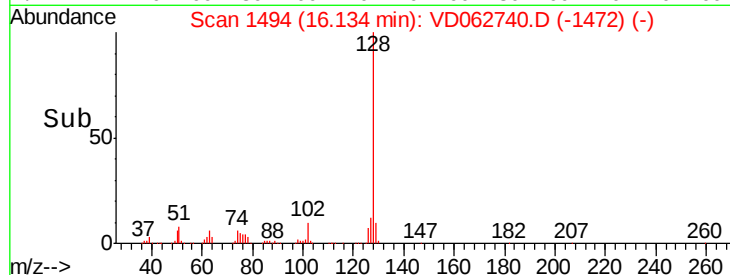
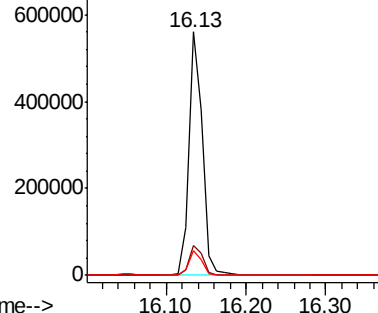
129 10.2 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.192 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

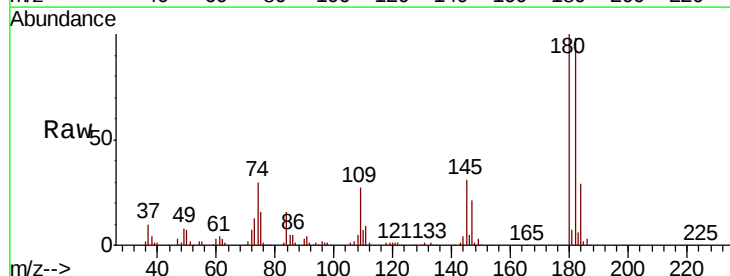
Tgt Ion:180 Resp: 370796

Ion Ratio Lower Upper

180 100

182 97.7 47.7 143.1

145 31.1 15.0 45.0



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

