

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059794.D
 Acq On : 15 Aug 2018 6:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 15 17:52:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	367446	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	305897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	161586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	195648	56.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.80%	
35) Dibromofluoromethane	5.56	113	178544	55.76	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	111.52%	
50) Toluene-d8	8.71	98	428788	56.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.08%	
62) 4-Bromofluorobenzene	11.93	95	182360	53.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	166349	50.56	ug/l	99
3) Chloromethane	1.48	50	100433	55.61	ug/l	99
4) Vinyl Chloride	1.56	62	104664	54.71	ug/l	99
5) Bromomethane	1.80	94	39966	65.61	ug/l	92
6) Chloroethane	1.89	64	46909	58.79	ug/l	98
7) Trichlorofluoromethane	2.09	101	158993	52.92	ug/l	98
8) Diethyl Ether	2.35	74	32291	55.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.57	101	92358	54.81	ug/l	95
10) Methyl Iodide	2.70	142	108552	52.62	ug/l	95
11) Tert butyl alcohol	3.26	59	36369	296.32	ug/l	96
12) 1,1-Dichloroethene	2.56	96	66135	54.29	ug/l	91
13) Acrolein	2.48	56	30818	271.60	ug/l	90
14) Allyl chloride	2.93	41	166628	54.43	ug/l	95
15) Acrylonitrile	3.36	53	124098	288.60	ug/l	98
16) Acetone	2.61	43	149562	273.19	ug/l	98
17) Carbon Disulfide	2.76	76	239761	58.73	ug/l	97
18) Methyl Acetate	2.94	43	63217	54.03	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	318945	53.64	ug/l	99
20) Methylene Chloride	3.08	84	79389	53.75	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	131683	54.86	ug/l	99
22) Diisopropyl ether	4.08	45	445395	53.93	ug/l	99
23) Vinyl Acetate	4.02	43	1295746	277.06	ug/l	99
24) 1,1-Dichloroethane	3.98	63	261294	53.34	ug/l	99
25) 2-Butanone	4.84	43	253826	302.93	ug/l	98
26) 2,2-Dichloropropane	4.80	77	228911	51.10	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	143023	54.38	ug/l	95
28) Bromochloromethane	5.15	49	103814	54.01	ug/l	98
29) Tetrahydrofuran	5.18	42	102317	286.20	ug/l	98
30) Chloroform	5.33	83	311896	53.02	ug/l	100
31) Cyclohexane	5.60	56	173455	49.23	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	276943	53.54	ug/l	98
36) 1,1-Dichloropropene	5.75	75	194899	51.70	ug/l	97
37) Ethyl Acetate	4.93	43	106646	56.56	ug/l	100
38) Carbon Tetrachloride	5.73	117	234575	51.57	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	169743	52.05	ug/l	96
40) Benzene	6.02	78	421949	52.77	ug/l	98
41) Methacrylonitrile	5.12	41	52897	58.64	ug/l	96
42) 1,2-Dichloroethane	6.14	62	242828	56.11	ug/l	99
43) Isopropyl Acetate	7.62	43	138695	58.25	ug/l #	94
44) Trichloroethene	6.98	130	144113	52.63	ug/l	91
45) 1,2-Dichloropropane	7.35	63	116605	56.10	ug/l	99
46) Dibromomethane	7.46	93	93003	54.71	ug/l	96
47) Bromodichloromethane	7.74	83	229892	55.19	ug/l	95
48) Methyl methacrylate	7.50	41	91955	59.18	ug/l	99
49) 1,4-Dioxane	7.48	88	16363	1195.87	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	550255	305.72	ug/l	98
52) Toluene	8.80	92	281985	55.05	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	197099	57.08	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	210127	56.30	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	98783	52.23	ug/l	96
56) Ethyl methacrylate	9.31	69	116078	56.68	ug/l	98
57) 1,3-Dichloropropane	9.67	76	161276	54.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	261961	258.78	ug/l	99
59) 2-Hexanone	9.79	43	399469	309.52	ug/l	100
60) Dibromochloromethane	9.96	129	153829	56.02	ug/l	99
61) 1,2-Dibromoethane	10.09	107	114712	54.76	ug/l	98
64) Tetrachloroethene	9.51	164	140284	53.25	ug/l	96
65) Chlorobenzene	10.72	112	319838	51.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	132318	52.99	ug/l	97
67) Ethyl Benzene	10.86	91	561192	52.61	ug/l	98
68) m/p-Xylenes	11.02	106	360558	99.73	ug/l	100
69) o-Xylene	11.41	106	181102	52.19	ug/l	90
70) Styrene	11.43	104	310651	50.48	ug/l	94
71) Bromoform	11.61	173	105679	58.23	ug/l	97
73) Isopropylbenzene	11.77	105	552018	53.95	ug/l	99
74) N-amyl acetate	11.65	43	178848	57.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	109945	52.92	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	123428	53.84	ug/l	98
77) Bromobenzene	12.04	156	159454	54.54	ug/l	82
78) n-propylbenzene	12.16	91	692733	54.28	ug/l	98
79) 2-Chlorotoluene	12.22	91	405679	52.71	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	433344	52.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	32119	59.88	ug/l	89
82) 4-Chlorotoluene	12.32	91	445758	51.03	ug/l	92
83) tert-Butylbenzene	12.58	119	474275	52.39	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	458472	51.93	ug/l	99
85) sec-Butylbenzene	12.76	105	572684	54.58	ug/l	98
86) p-Isopropyltoluene	12.88	119	450663	51.33	ug/l	96
87) 1,3-Dichlorobenzene	12.85	146	279806	53.37	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	268759	51.71	ug/l	94
89) n-Butylbenzene	13.20	91	458862	51.69	ug/l	97
90) Hexachloroethane	13.41	117	126743	57.53	ug/l	82
91) 1,2-Dichlorobenzene	13.19	146	227631	52.79	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22888	61.75	ug/l	83

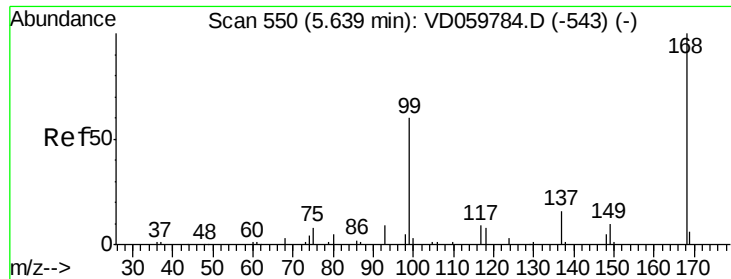
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	198322	55.01	ug/l	97
94) Hexachlorobutadiene	14.44	225	141056	53.00	ug/l	99
95) Naphthalene	14.52	128	300095	54.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	170351	53.54	ug/l	98

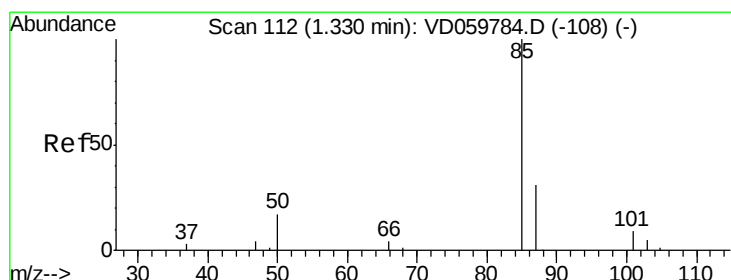
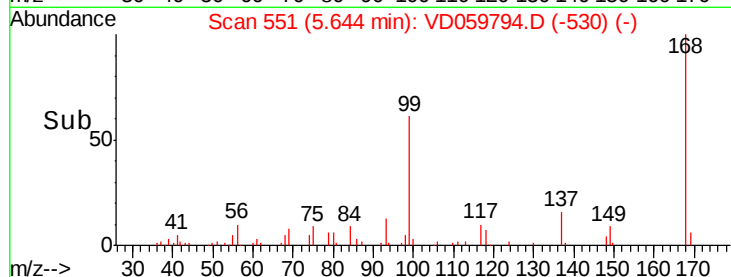
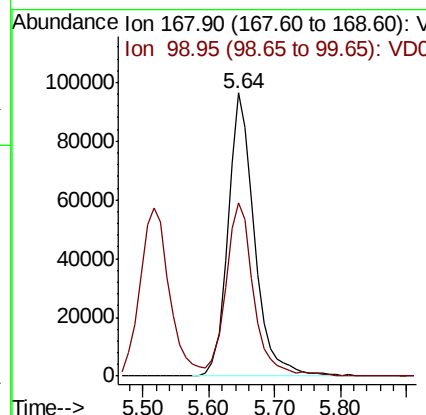
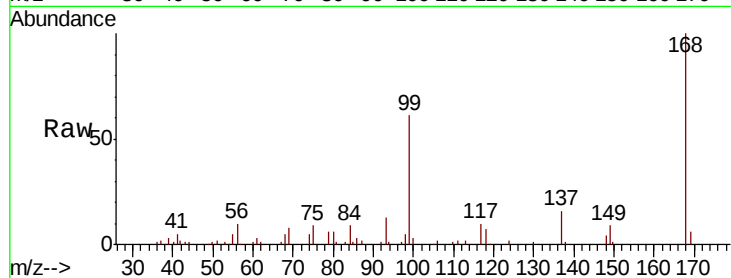
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

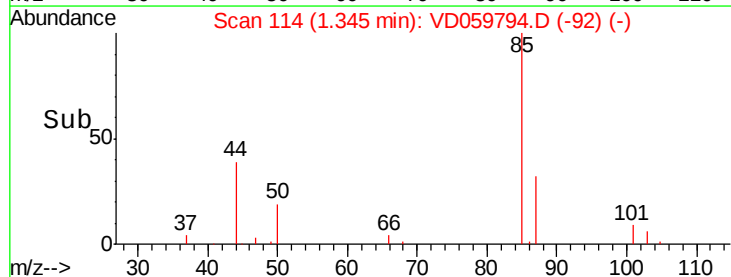
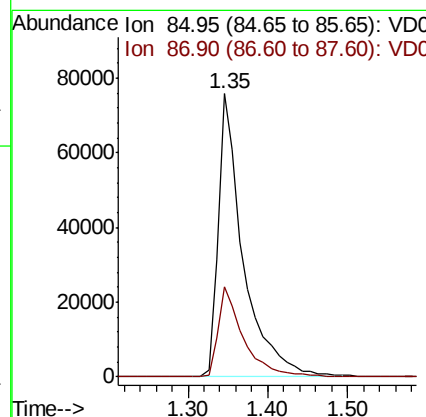
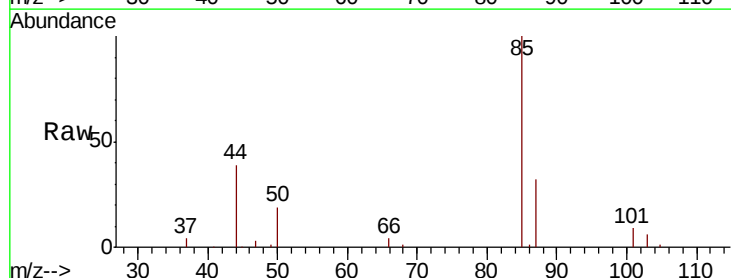
Instrument :
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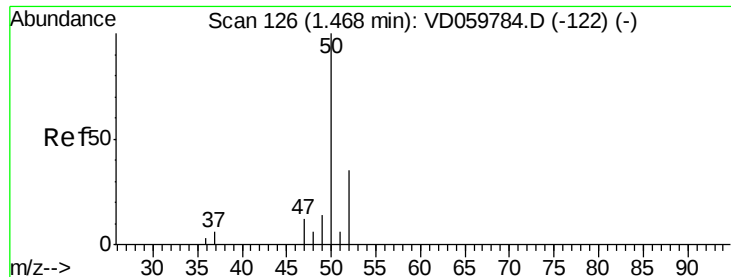
Tot Ion:168 Resp: 269997
Ion Ratio Lower Upper
168 100
99 61.3 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 50.56 ug/l
RT: 1.35 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 85 Resp: 166349
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.1





#3

Chloromethane

Concen: 55.61 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

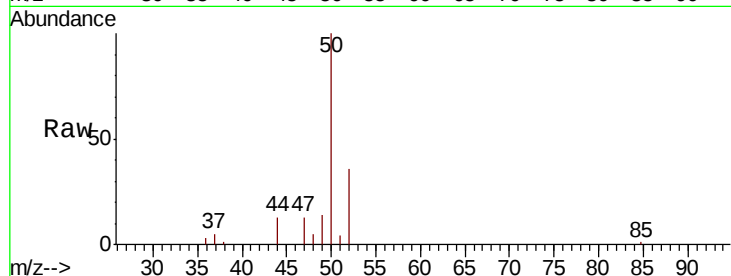
VSTDCCC050EC

Tot Ion: 50 Resp: 100433

Ion Ratio Lower Upper

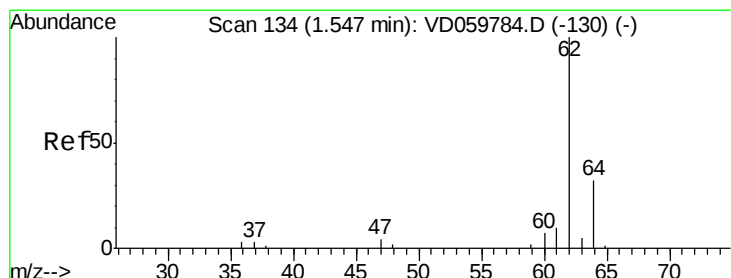
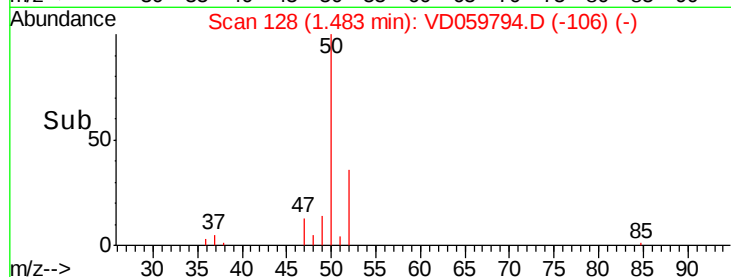
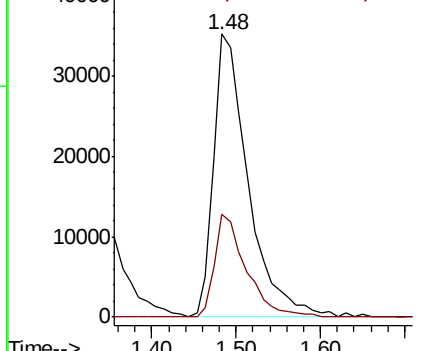
50 100

52 36.4 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.71 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD059794.D

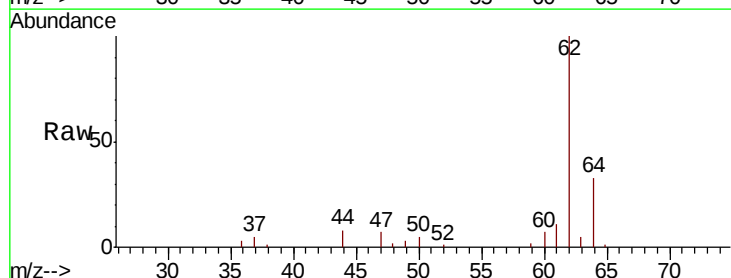
Acq: 15 Aug 2018 6:30

Tgt Ion: 62 Resp: 104664

Ion Ratio Lower Upper

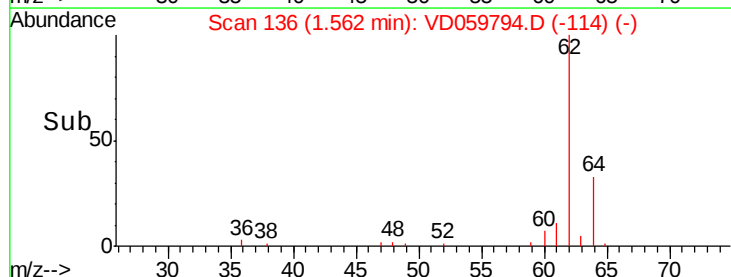
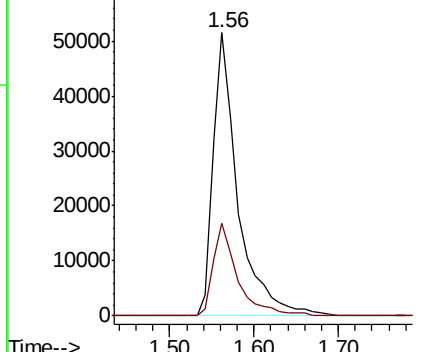
62 100

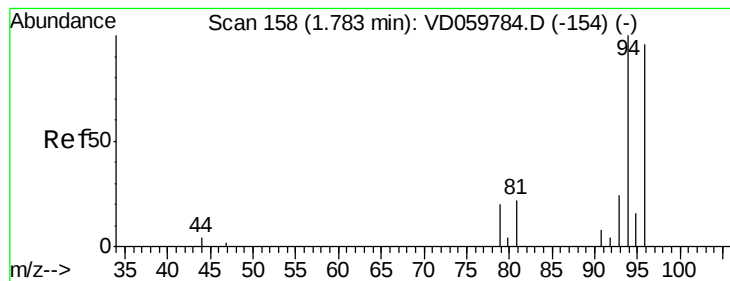
64 32.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 65.61 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

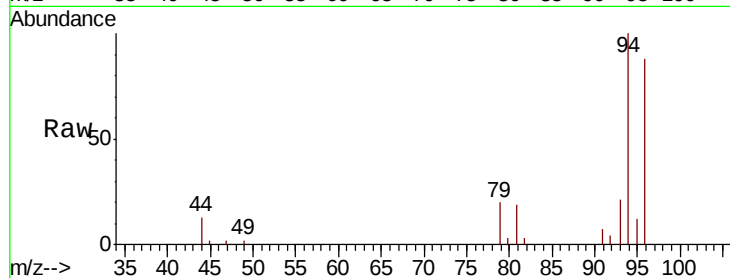
VSTDCCC050EC

Tot Ion: 94 Resp: 39966

Ion Ratio Lower Upper

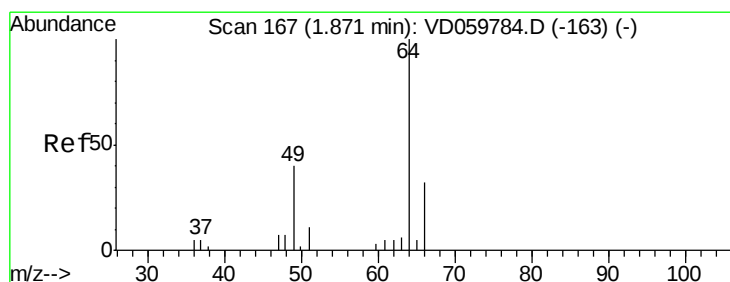
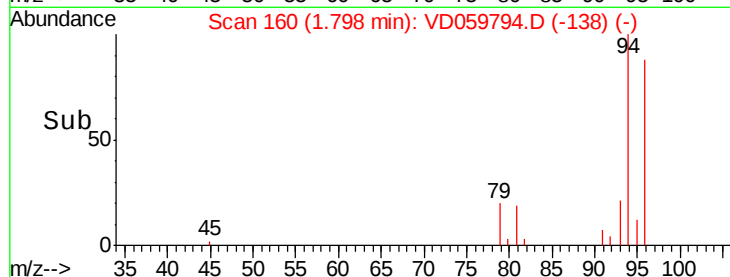
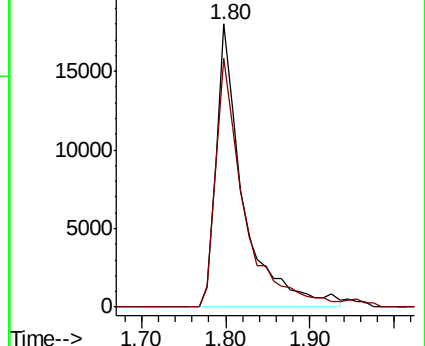
94 100

96 88.0 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.79 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD059794.D

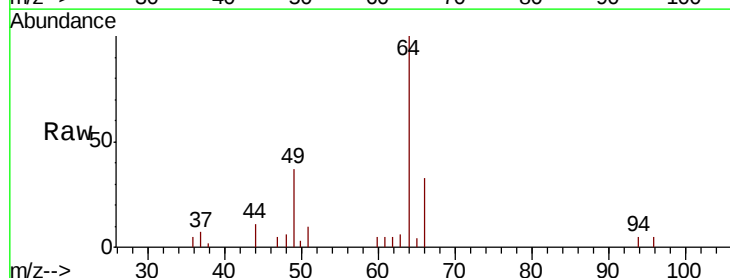
Acq: 15 Aug 2018 6:30

Tgt Ion: 64 Resp: 46909

Ion Ratio Lower Upper

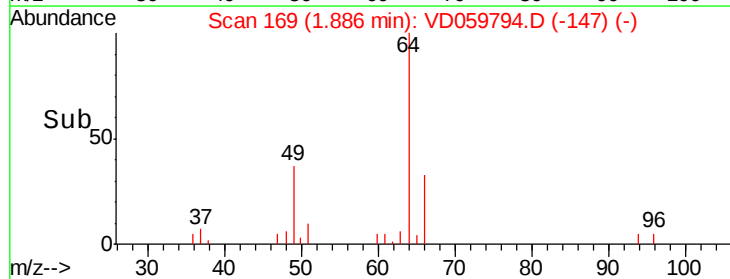
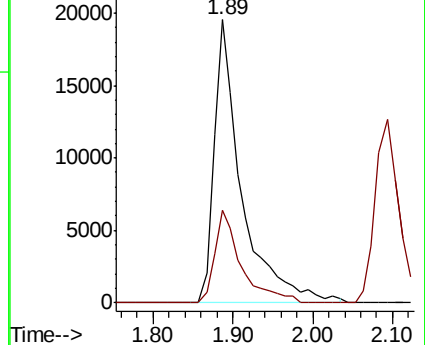
64 100

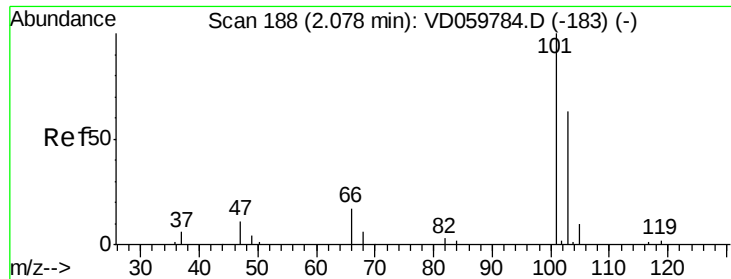
66 32.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 52.92 ug/l

RT: 2.09 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD059794.D

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ClientSampleId :

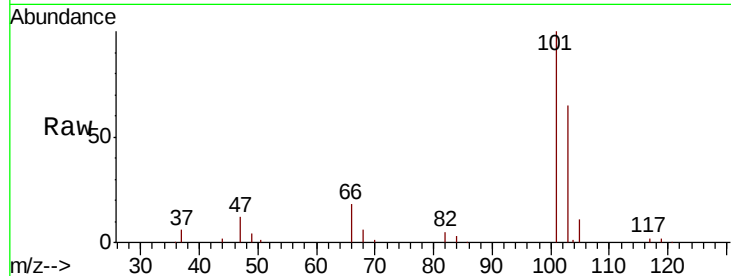
VSTDCCC050EC

Tot Ion:101 Resp: 158993

Ion Ratio Lower Upper

101 100

103 64.6 50.4 75.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.09

80000

60000

40000

20000

0

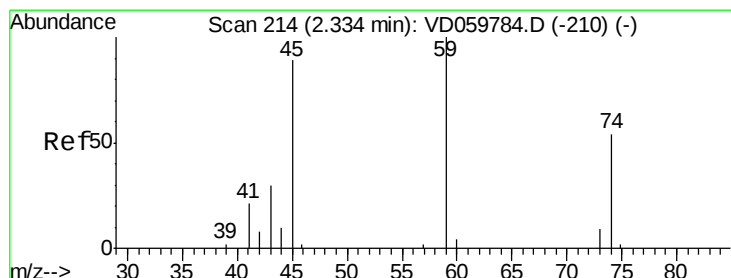
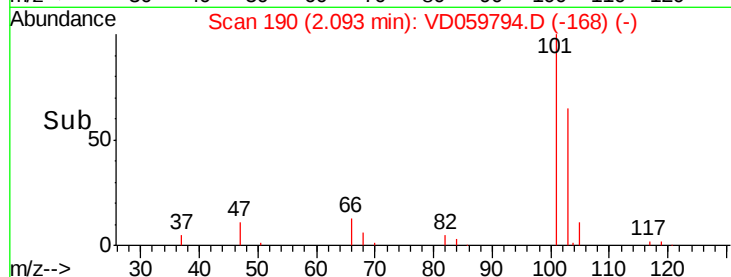
Time-->

2.00

2.10

2.20

2.30



#8

Diethyl Ether

Concen: 55.86 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD059794.D

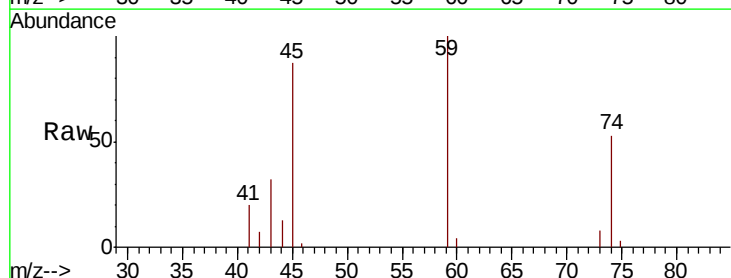
Acq: 15 Aug 2018 6:30

Tgt Ion: 74 Resp: 32291

Ion Ratio Lower Upper

74 100

45 164.5 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

25000

20000

15000

10000

5000

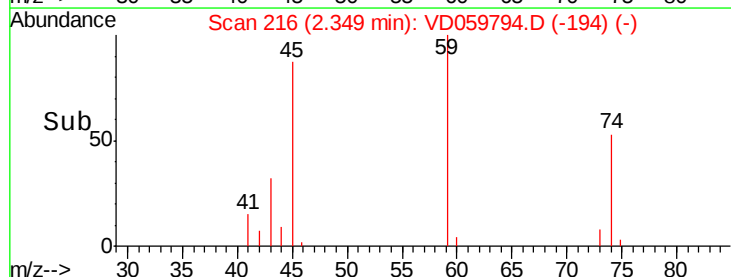
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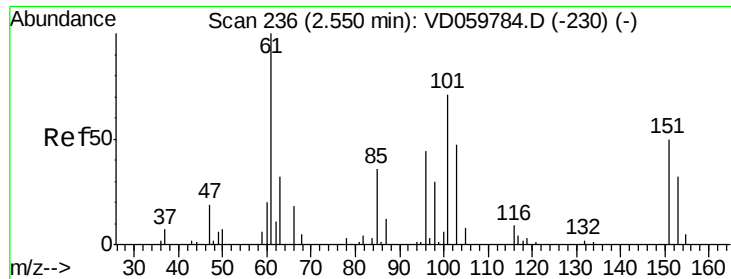
Time-->

2.30

2.40

2.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.81 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

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VSTDCCC050EC

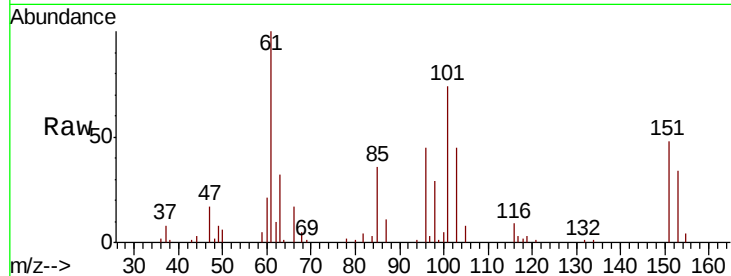
Tot Ion:101 Resp: 92358

Ion Ratio Lower Upper

101 100

85 48.7 40.6 61.0

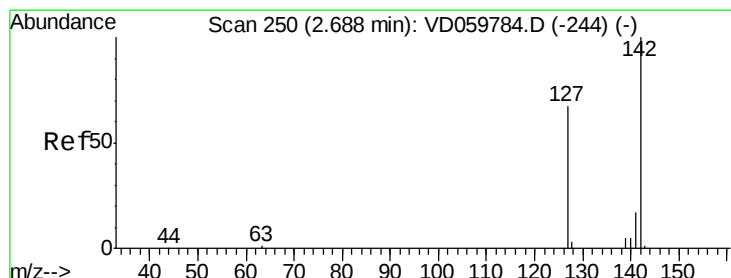
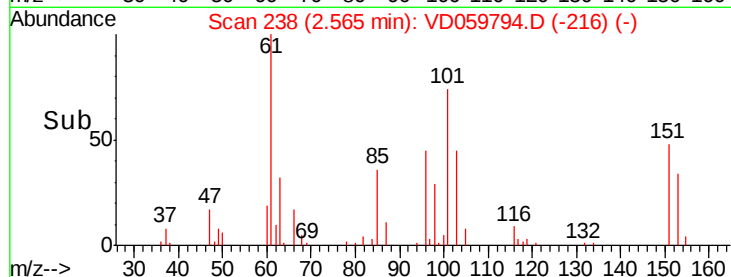
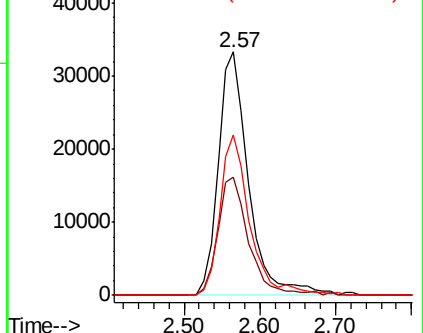
151 65.9 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.62 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

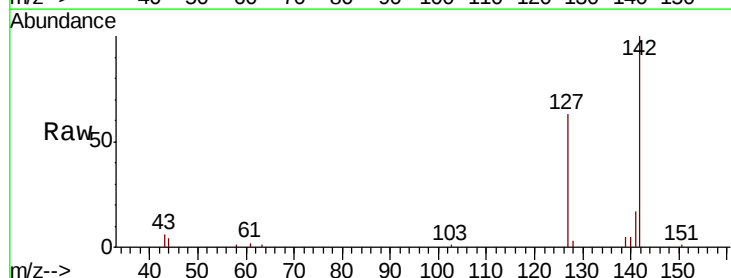
Tgt Ion:142 Resp: 108552

Ion Ratio Lower Upper

142 100

127 63.0 54.0 81.0

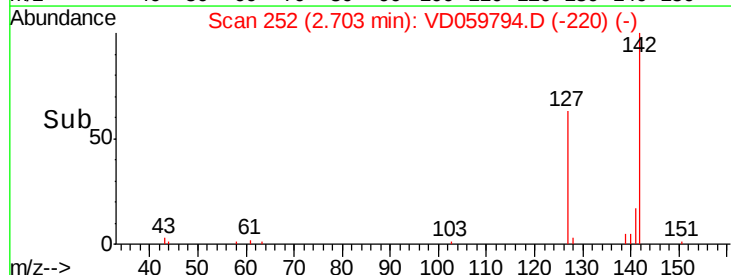
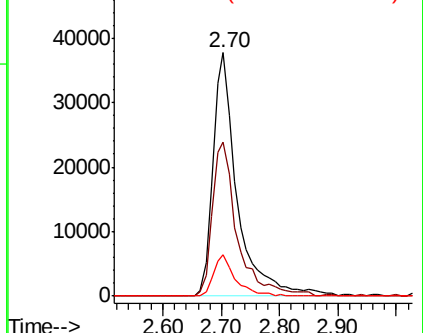
141 16.8 13.3 19.9

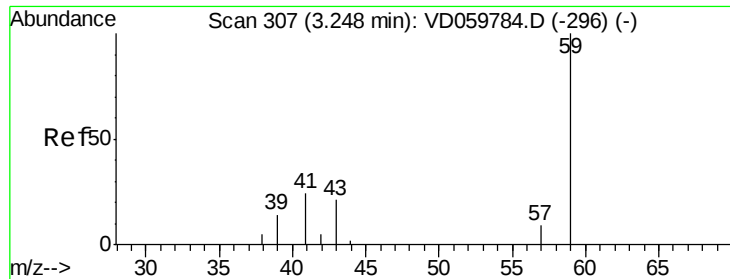


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

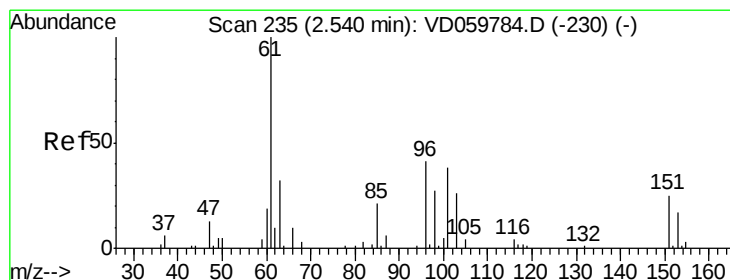
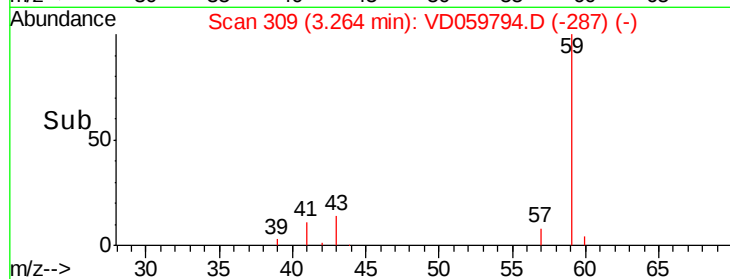
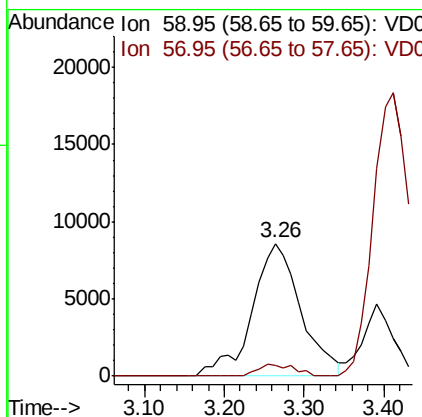
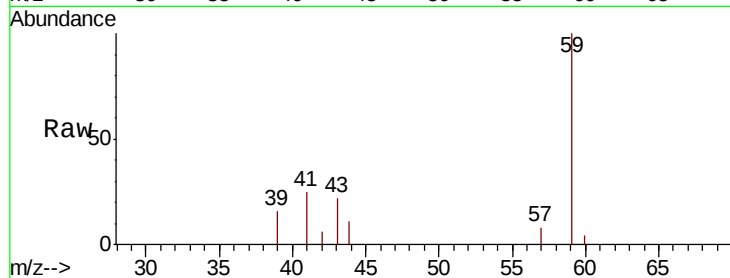




#11
Tert butyl alcohol
Concen: 296.32 ug/l
RT: 3.26 min Scan# 309
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

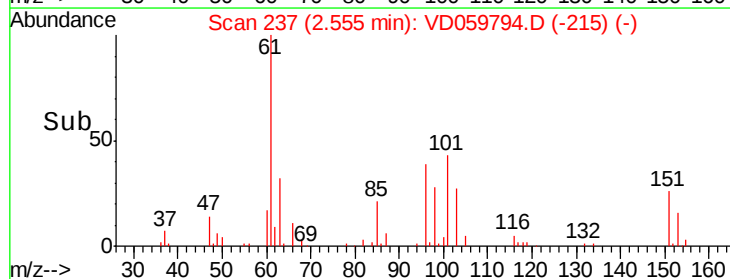
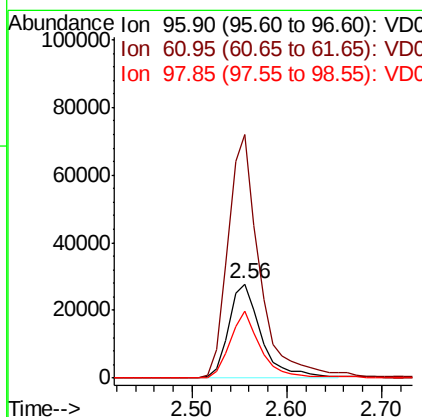
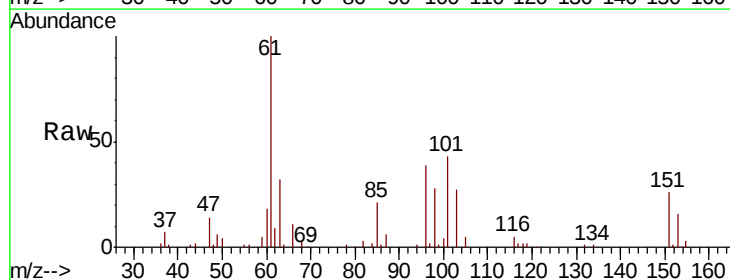
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

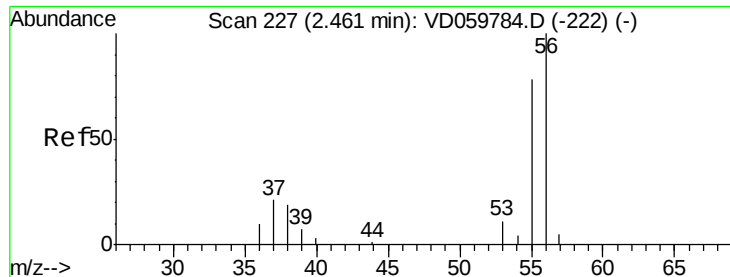
Tot Ion: 59 Resp: 36369
Ion Ratio Lower Upper
59 100
57 7.9 7.5 11.3



#12
1,1-Dichloroethene
Concen: 54.29 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 96 Resp: 66135
Ion Ratio Lower Upper
96 100
61 259.2 194.1 291.1
98 72.0 52.3 78.5

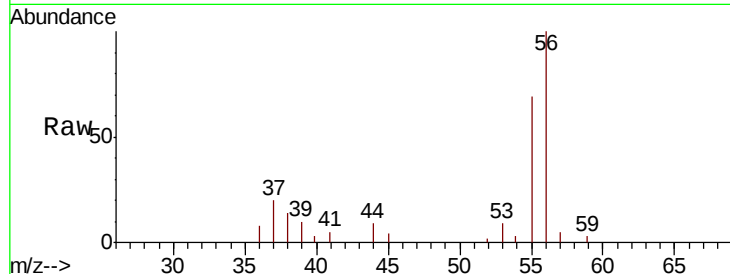




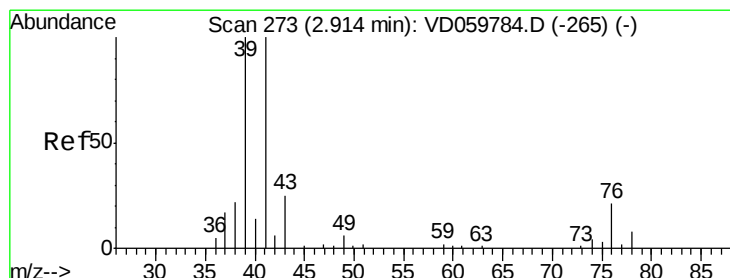
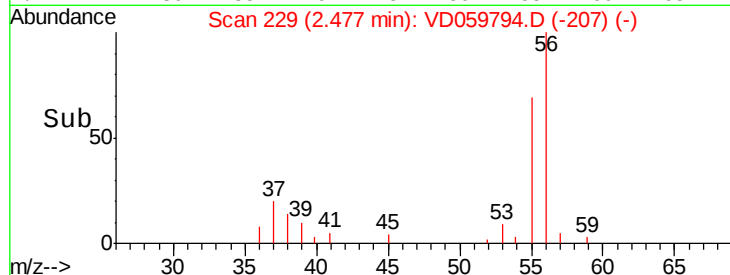
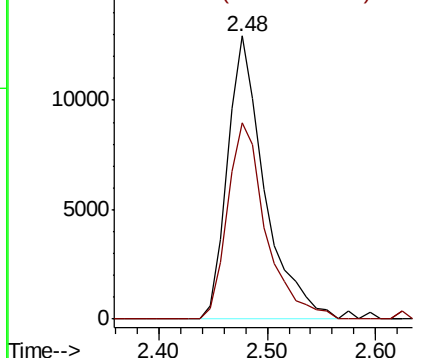
#13
 Acrolein
 Concen: 271.60 ug/l
 RT: 2.48 min Scan# 229
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 56 Resp: 30818
 Ion Ratio Lower Upper
 56 100
 55 69.2 62.2 93.2

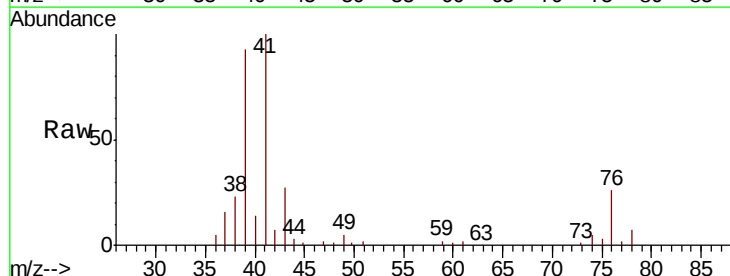


Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC

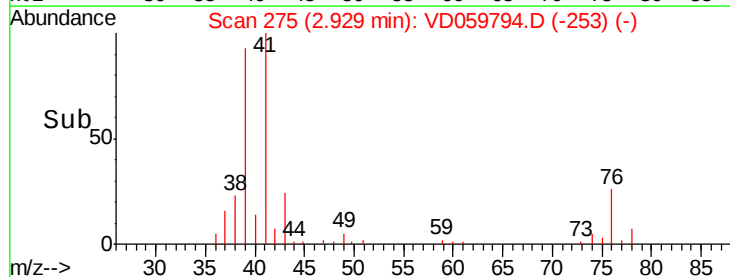
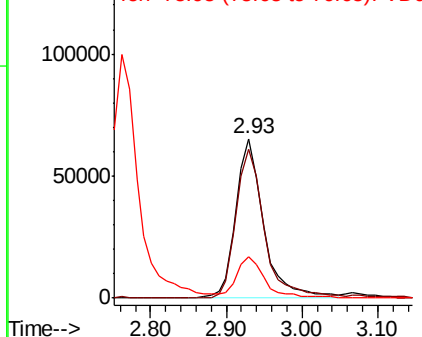


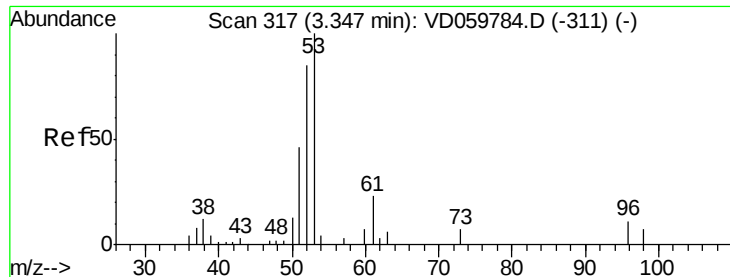
#14
 Allyl chloride
 Concen: 54.43 ug/l
 RT: 2.93 min Scan# 275
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 41 Resp: 166628
 Ion Ratio Lower Upper
 41 100
 39 93.5 79.8 119.6
 76 25.6 20.4 30.6



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: 288.60 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

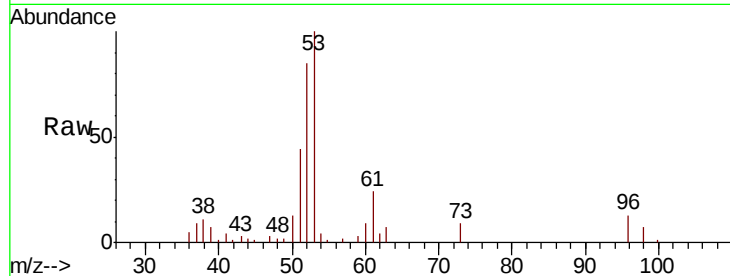
Tot Ion: 53 Resp: 124098

Ion Ratio Lower Upper

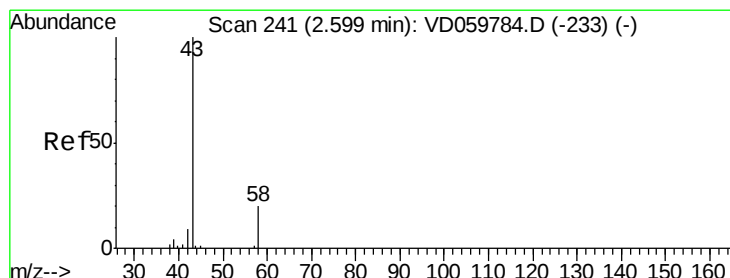
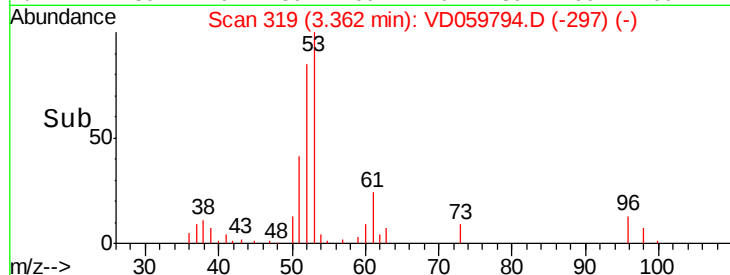
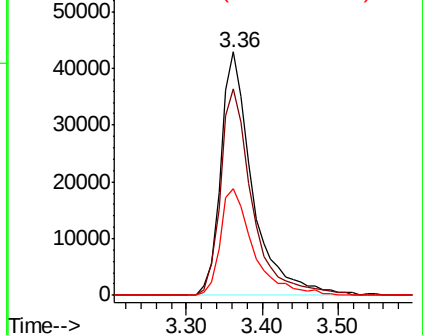
53 100

52 84.6 68.2 102.2

51 43.7 36.6 54.8



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



#16

Acetone

Concen: 273.19 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059794.D

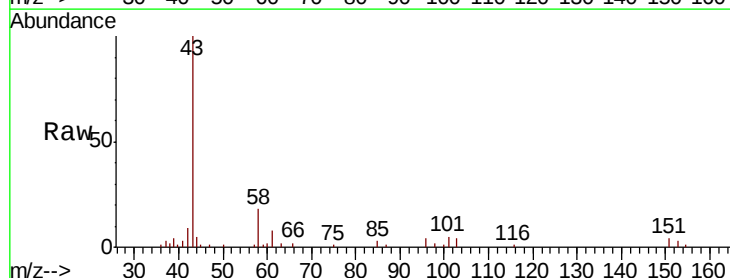
Acq: 15 Aug 2018 6:30

Tgt Ion: 43 Resp: 149562

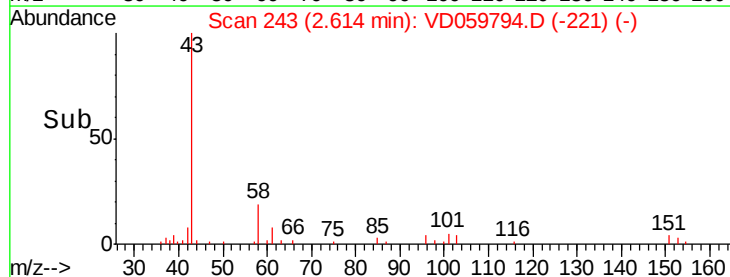
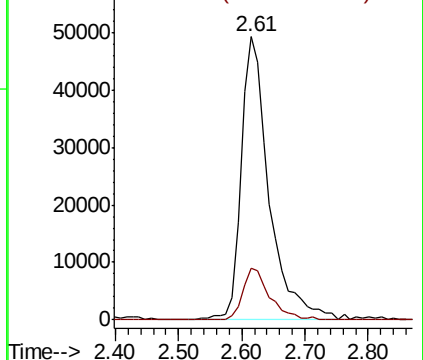
Ion Ratio Lower Upper

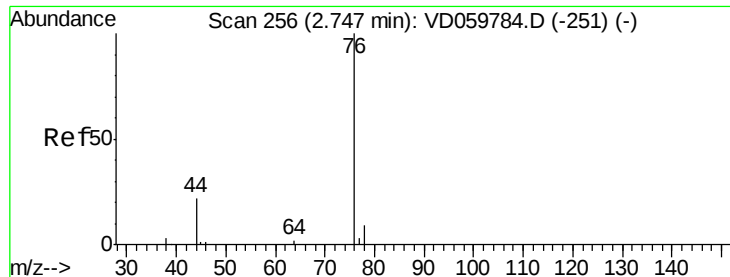
43 100

58 18.5 15.7 23.5



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

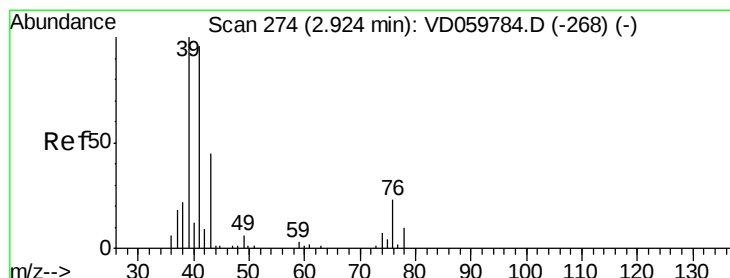
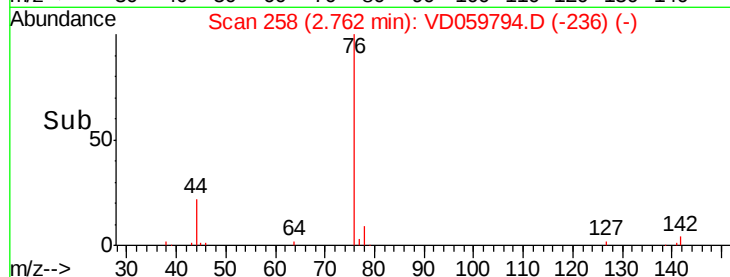
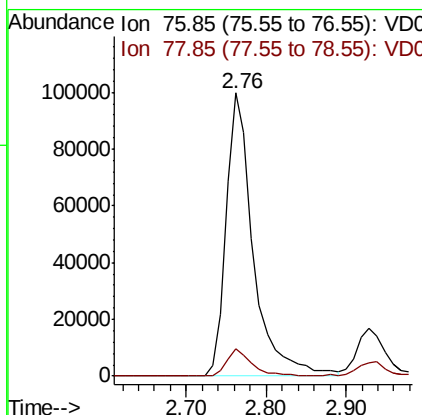
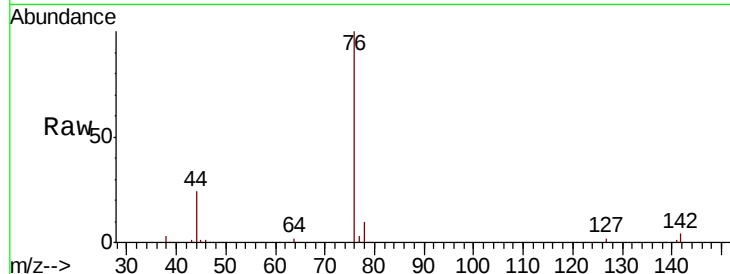




#17
Carbon Disulfide
Concen: 58.73 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

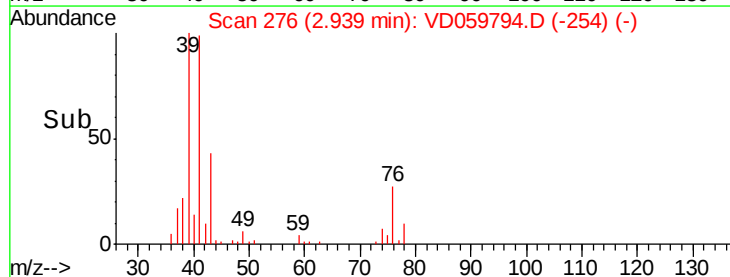
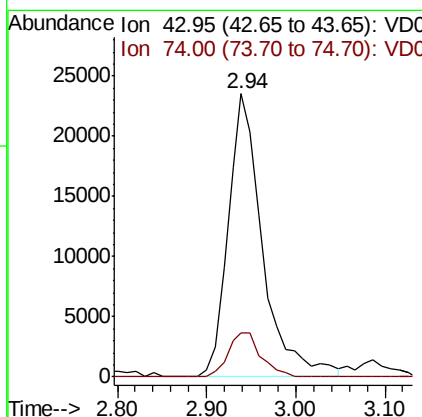
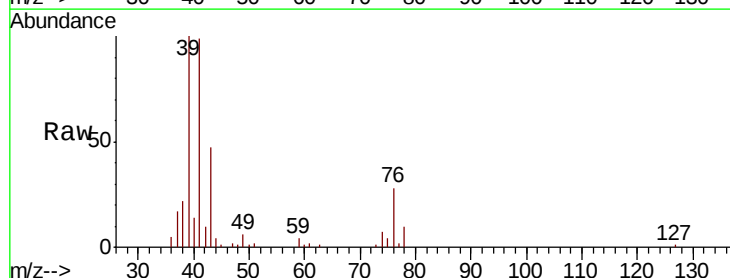
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

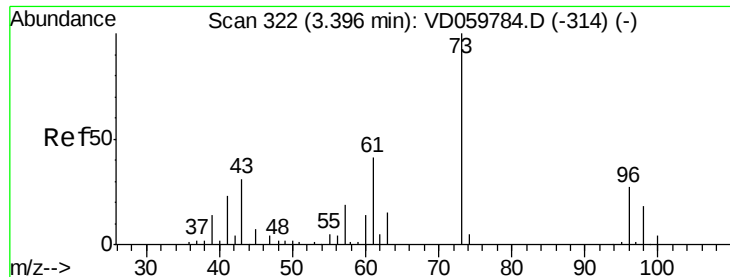
Tot Ion: 76 Resp: 239761
Ion Ratio Lower Upper
76 100
78 9.6 6.9 10.3



#18
Methyl Acetate
Concen: 54.03 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 43 Resp: 63217
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6



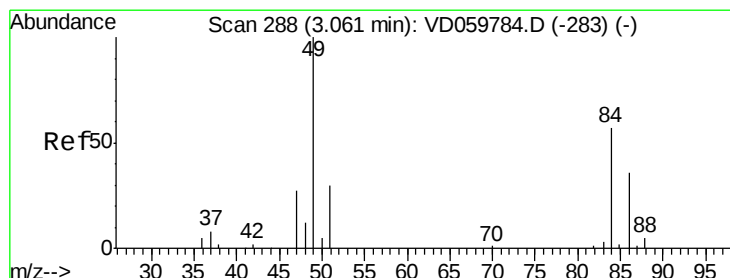
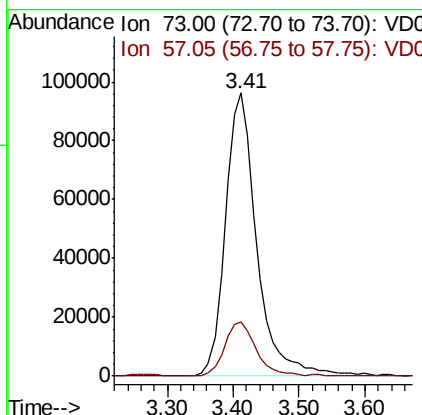
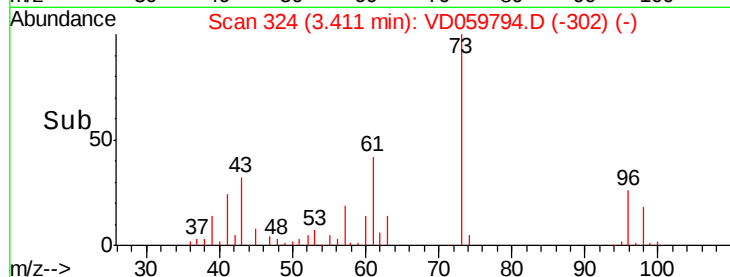
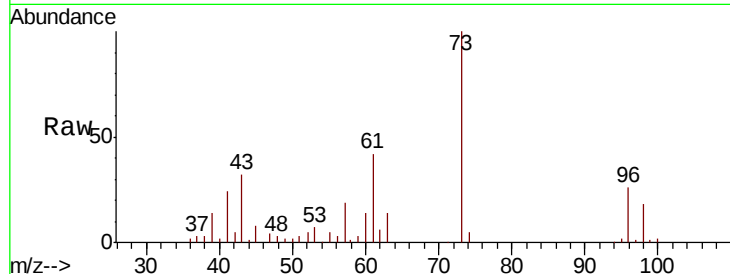


#19

Methyl tert-butyl Ether
 Concen: 53.64 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

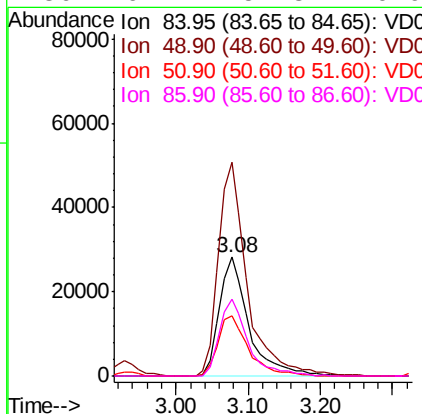
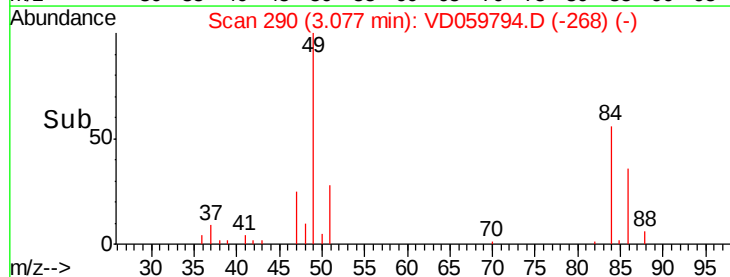
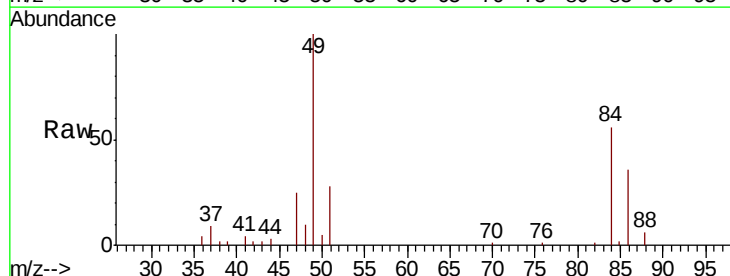
Tot Ion: 73 Resp: 318945
 Ion Ratio Lower Upper
 73 100
 57 19.1 14.8 22.2

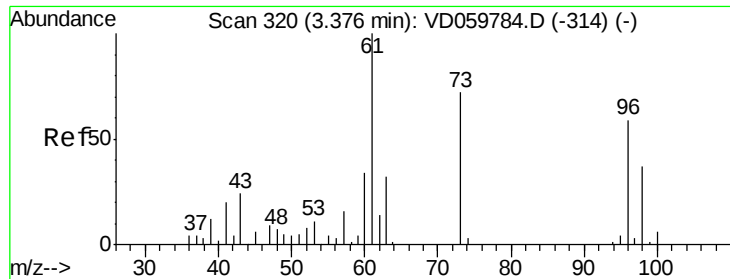


#20

Methylene Chloride
 Concen: 53.75 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 84 Resp: 79389
 Ion Ratio Lower Upper
 84 100
 49 180.1 140.9 211.3
 51 50.5 42.8 64.2
 86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 54.86 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

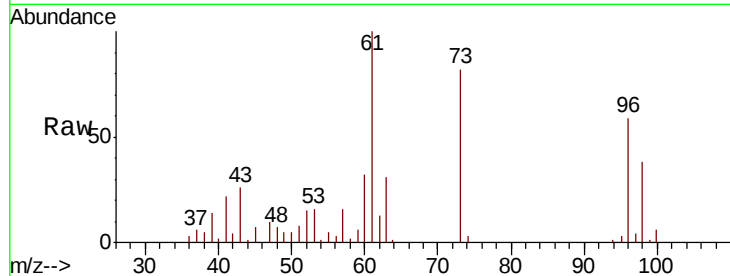
Tot Ion: 96 Resp: 131683

Ion Ratio Lower Upper

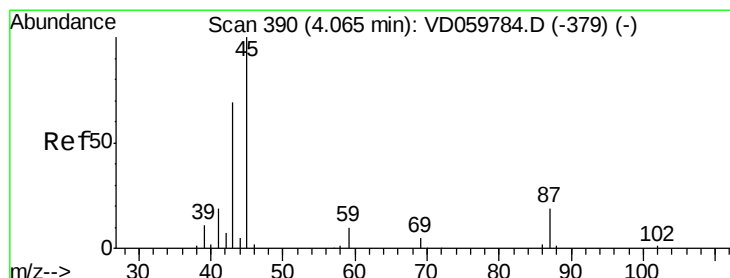
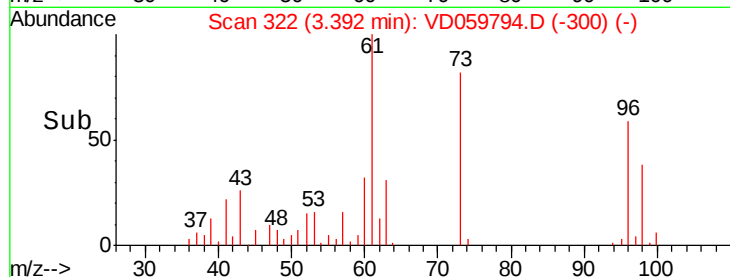
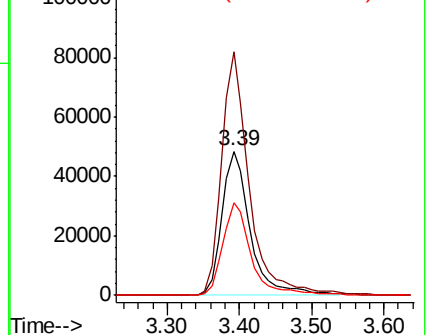
96 100

61 168.7 134.8 202.2

98 63.9 50.0 75.0



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



#22

Diisopropyl ether

Concen: 53.93 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Tgt Ion: 45 Resp: 445395

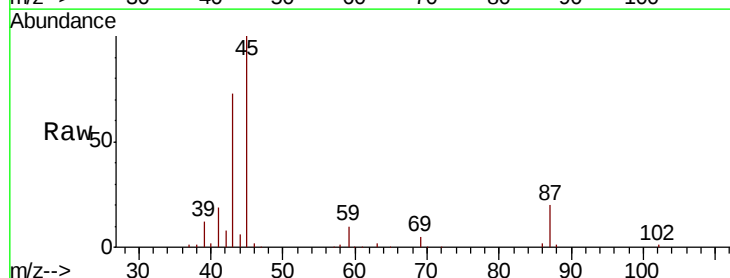
Ion Ratio Lower Upper

45 100

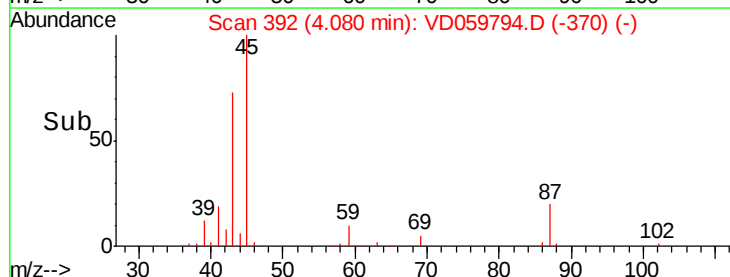
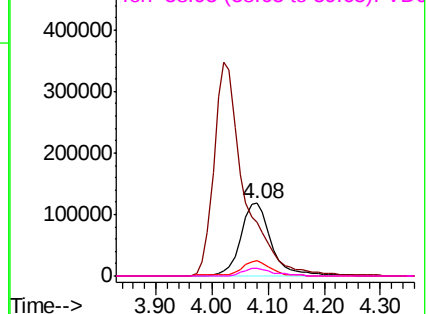
43 73.4 57.5 86.3

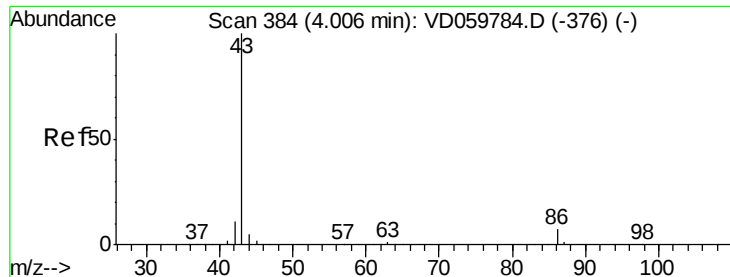
87 20.5 16.1 24.1

59 10.5 8.4 12.6



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





#23

Vinyl Acetate

Concen: 277.06 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

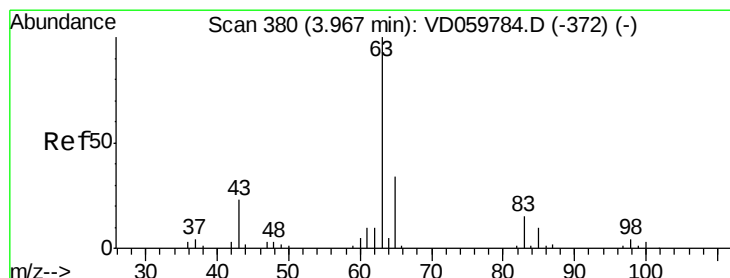
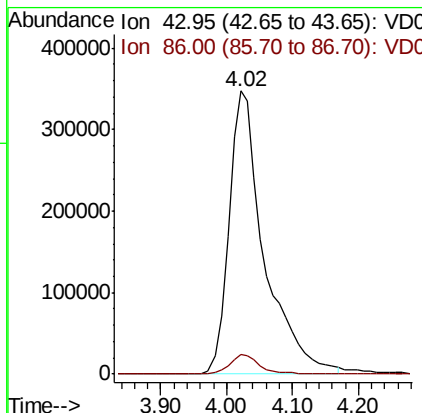
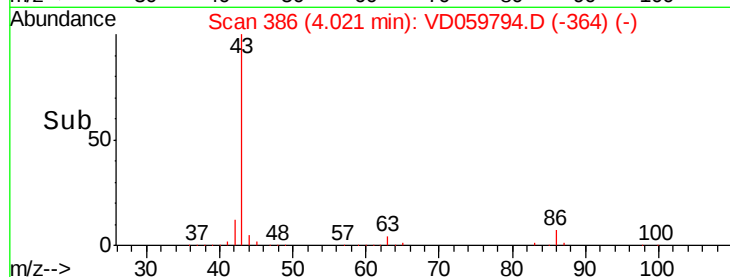
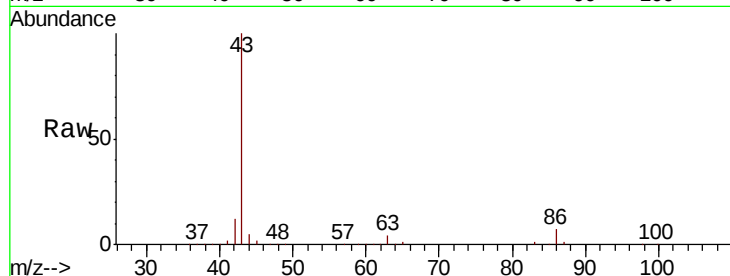
VSTDCCC050EC

Tot Ion: 43 Resp: 1295746

Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.0



#24

1,1-Dichloroethane

Concen: 53.34 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

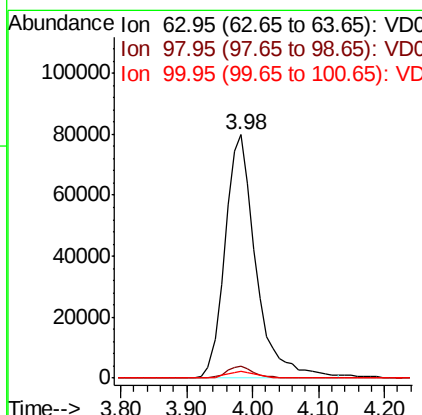
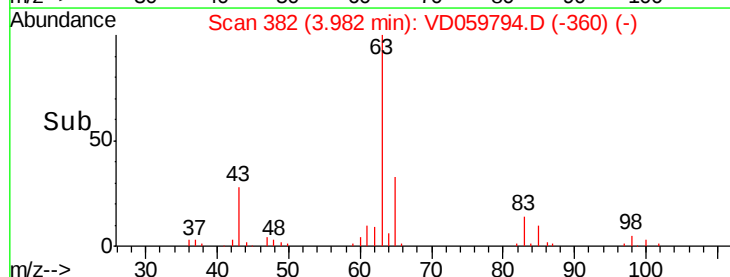
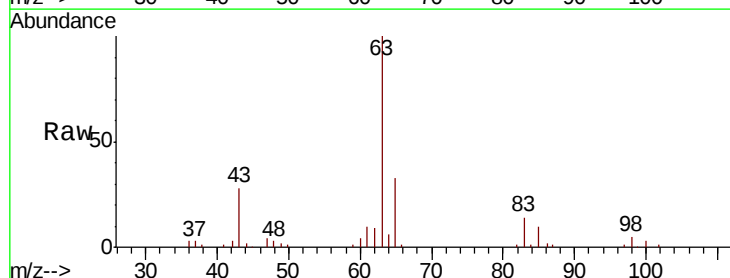
Tgt Ion: 63 Resp: 261294

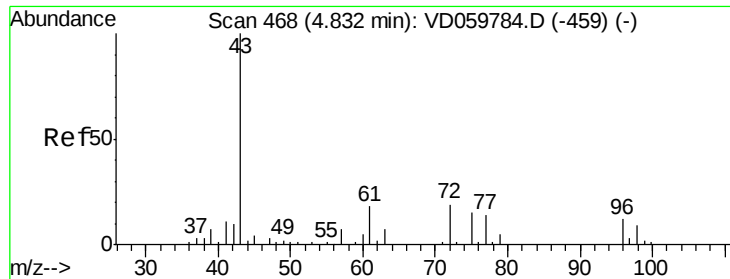
Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

100 2.9 1.6 4.7





#25

2-Butanone

Concen: 302.93 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

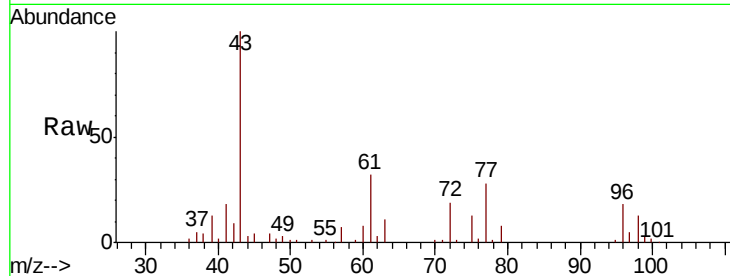
VSTDCCC050EC

Tot Ion: 43 Resp: 253826

Ion Ratio Lower Upper

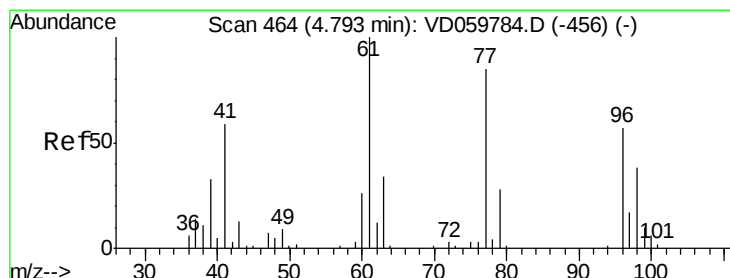
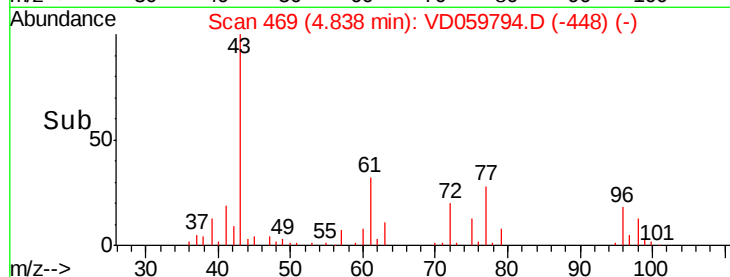
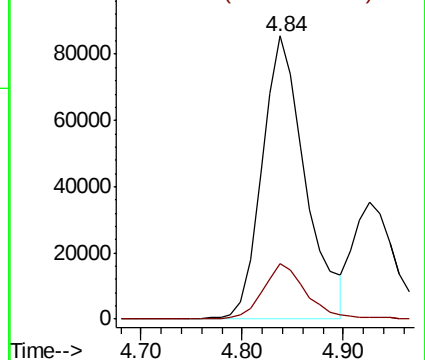
43 100

72 19.5 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.10 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059794.D

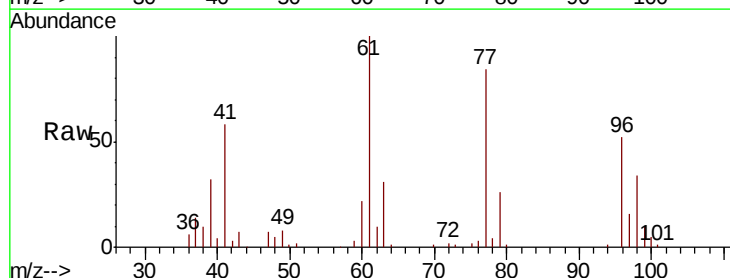
Acq: 15 Aug 2018 6:30

Tgt Ion: 77 Resp: 228911

Ion Ratio Lower Upper

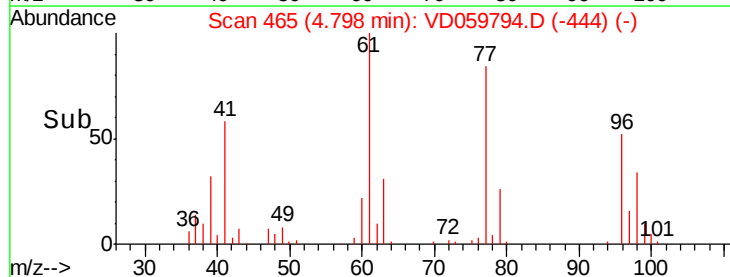
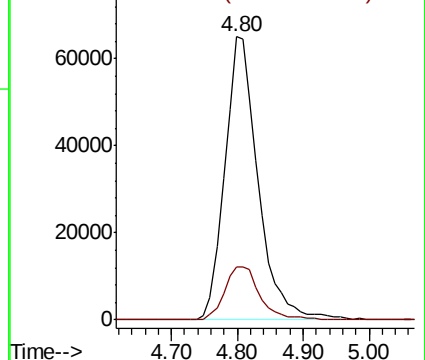
77 100

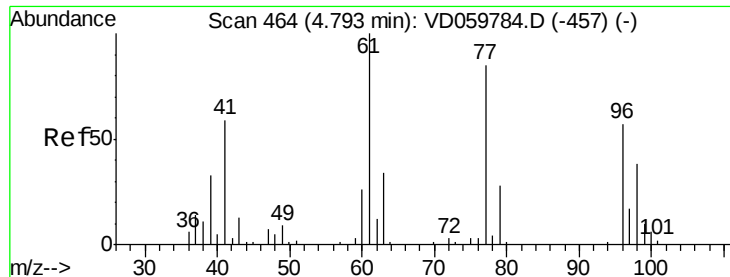
97 18.7 10.3 30.8



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: 54.38 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

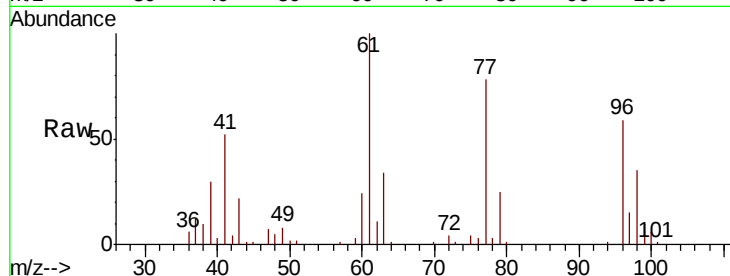
Tot Ion: 96 Resp: 143023

Ion Ratio Lower Upper

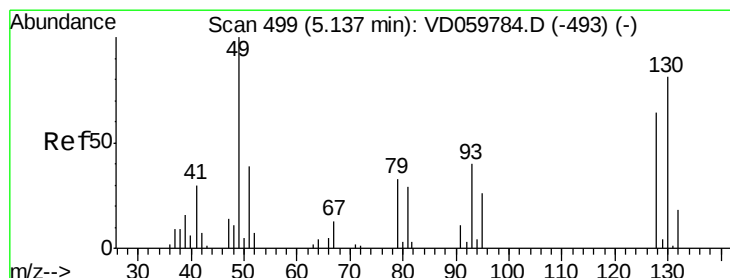
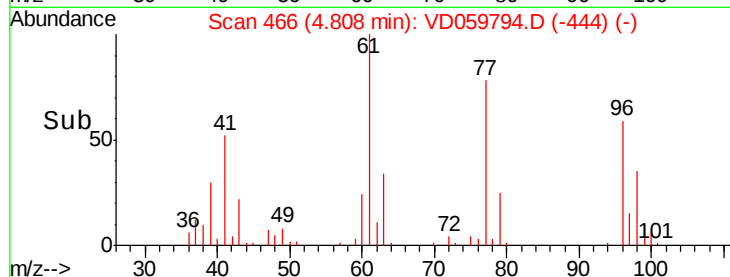
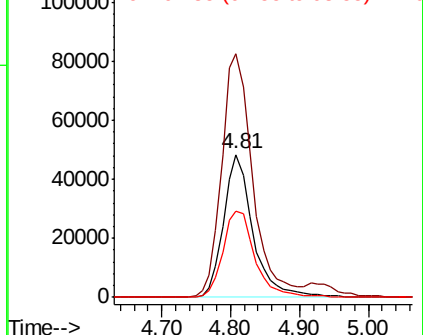
96 100

61 170.5 0.0 351.6

98 60.1 0.0 135.2



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



#28

Bromochloromethane

Concen: 54.01 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

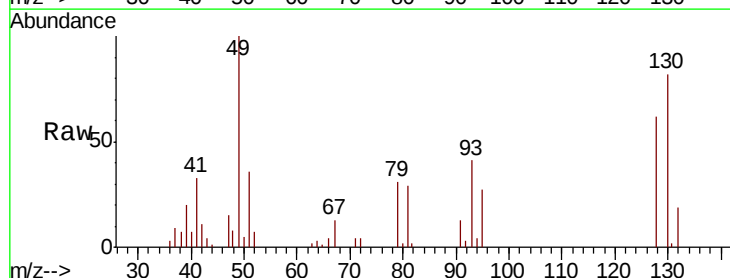
Tgt Ion: 49 Resp: 103814

Ion Ratio Lower Upper

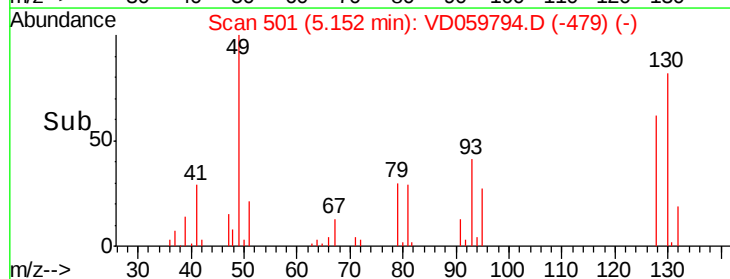
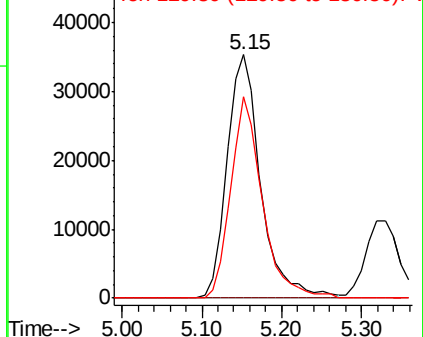
49 100

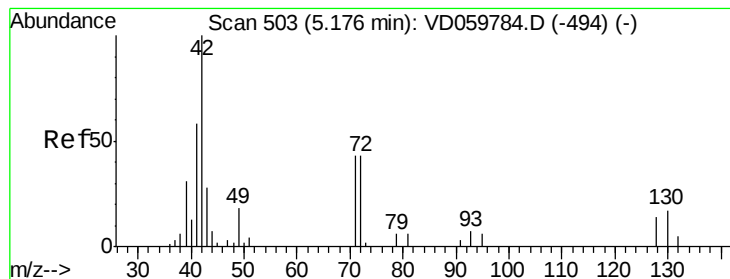
129 0.0 0.0 7.0

130 82.5 64.8 97.2



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: 286.20 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

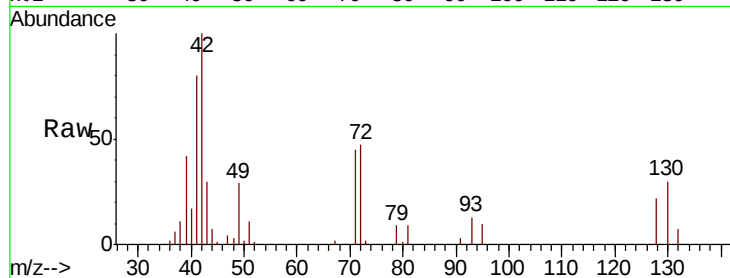
Tot Ion: 42 Resp: 102317

Ion Ratio Lower Upper

42 100

72 44.9 34.3 51.5

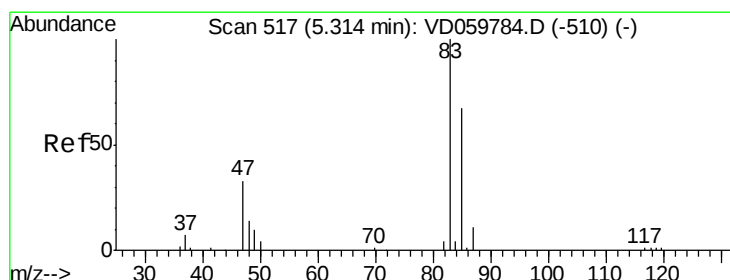
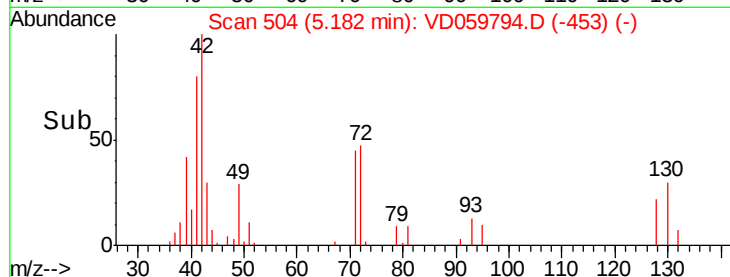
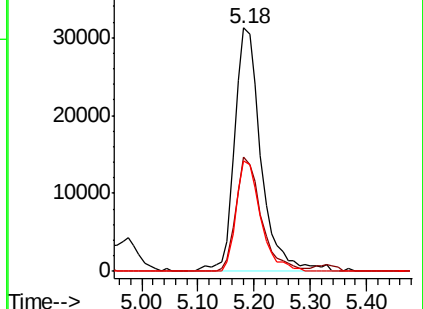
71 41.8 33.0 49.6



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: 53.02 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD059794.D

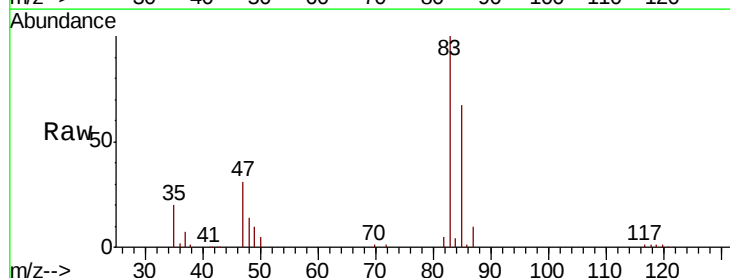
Acq: 15 Aug 2018 6:30

Tgt Ion: 83 Resp: 311896

Ion Ratio Lower Upper

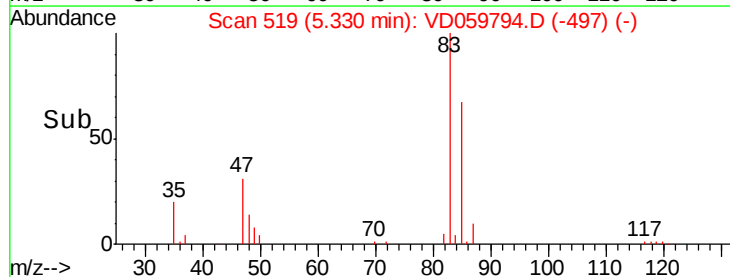
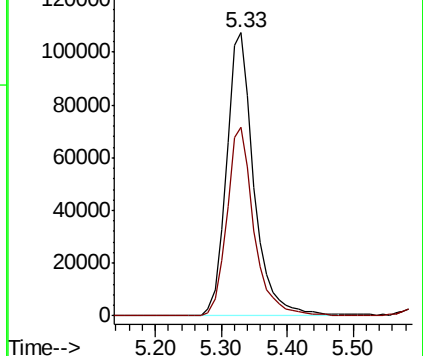
83 100

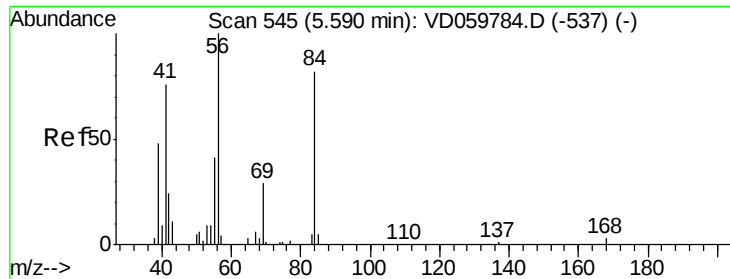
85 66.9 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

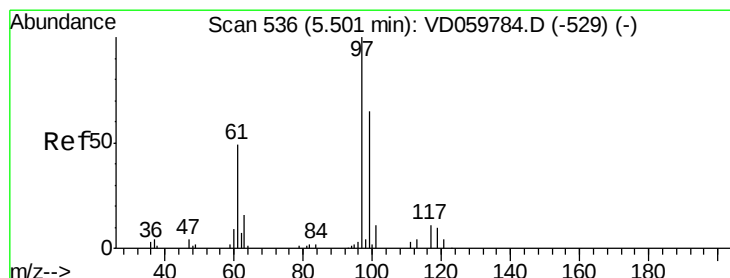
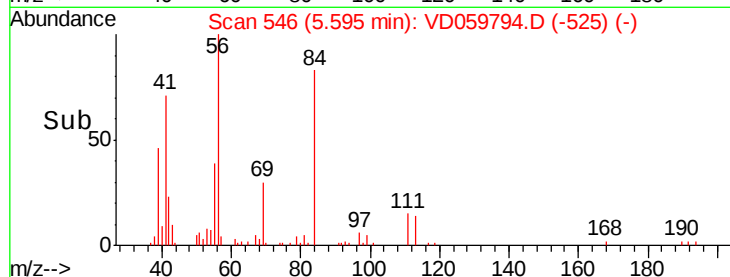
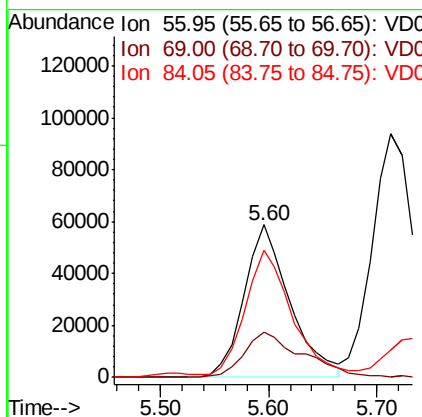
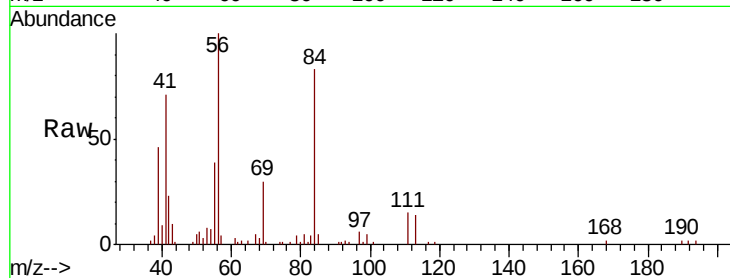




#31
Cyclohexane
Concen: 49.23 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

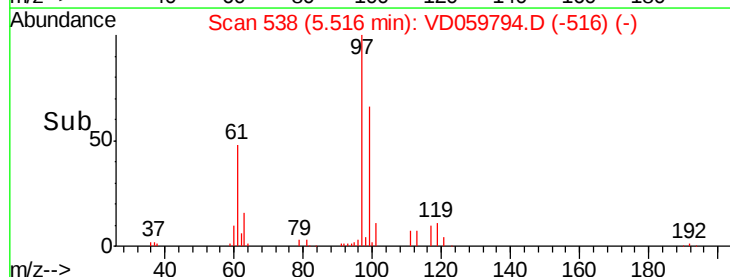
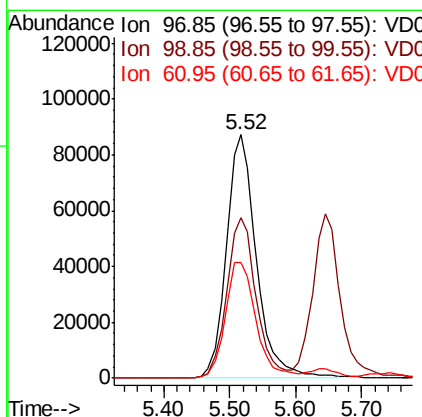
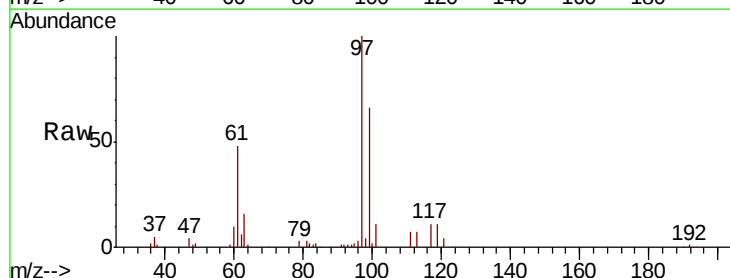
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

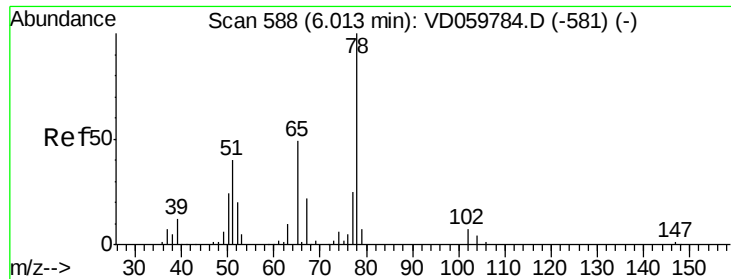
Tot Ion: 56 Resp: 173455
Ion Ratio Lower Upper
56 100
69 30.1 23.4 35.2
84 83.4 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 53.54 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 97 Resp: 276943
Ion Ratio Lower Upper
97 100
99 65.8 52.2 78.2
61 47.7 39.6 59.4

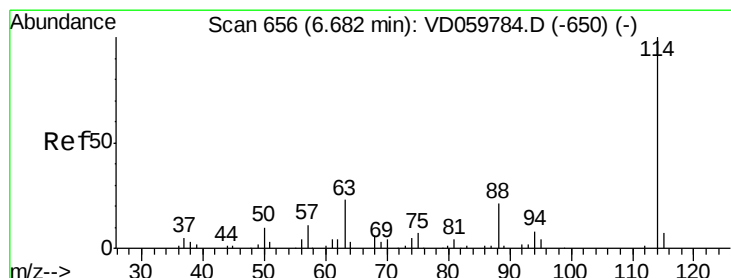
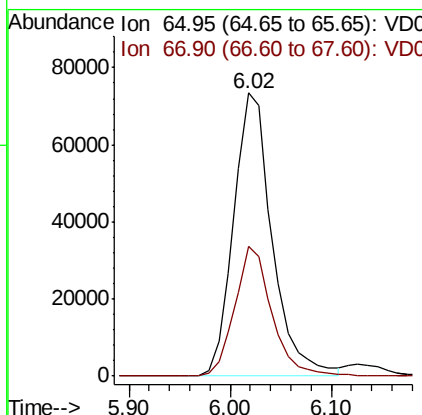
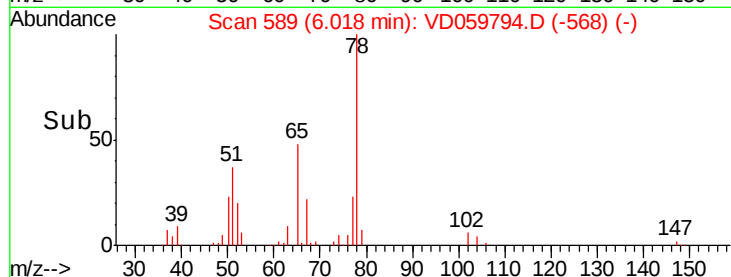
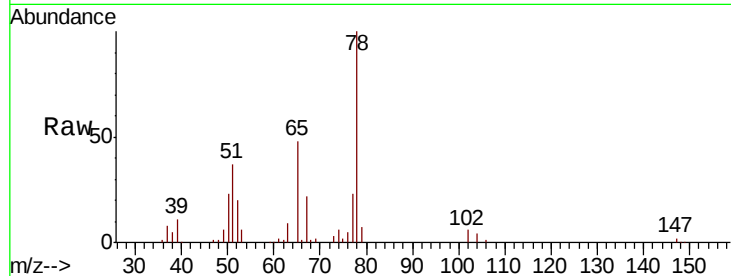




#33
 1,2-Dichloroethane-d4
 Concen: 53.54 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

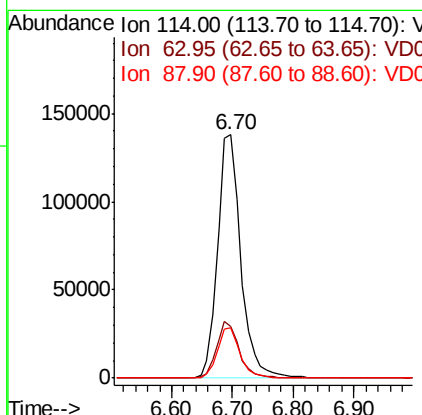
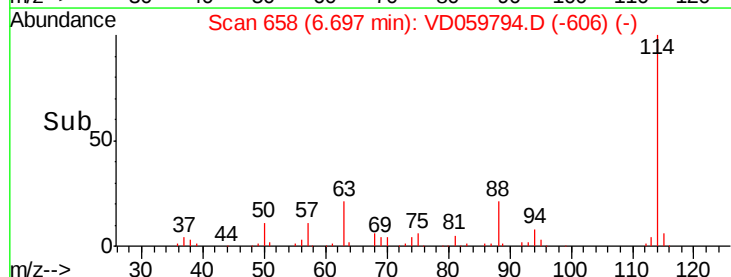
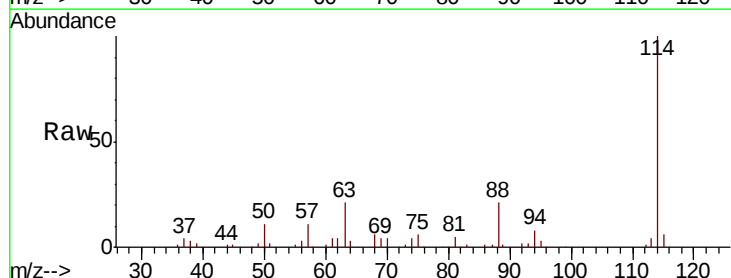
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

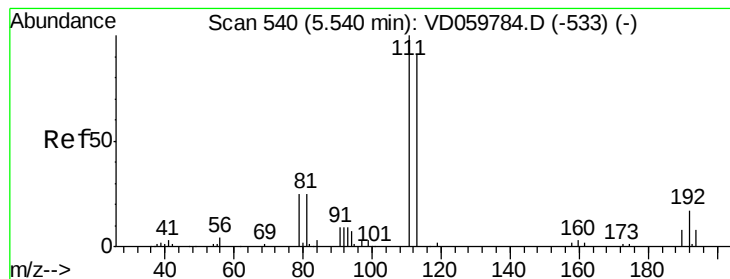
Tot Ion: 65 Resp: 195648
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 114 Resp: 367446
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.0
 88 20.7 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

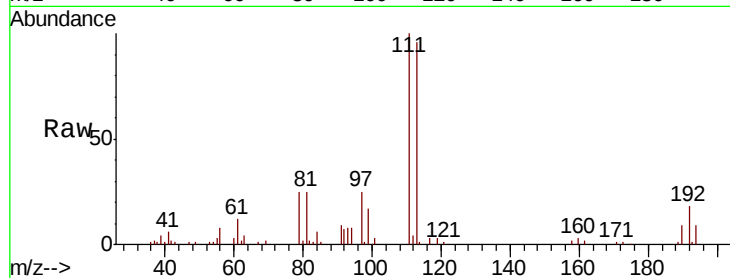
Tot Ion:113 Resp: 178544

Ion Ratio Lower Upper

113 100

111 103.8 87.7 131.5

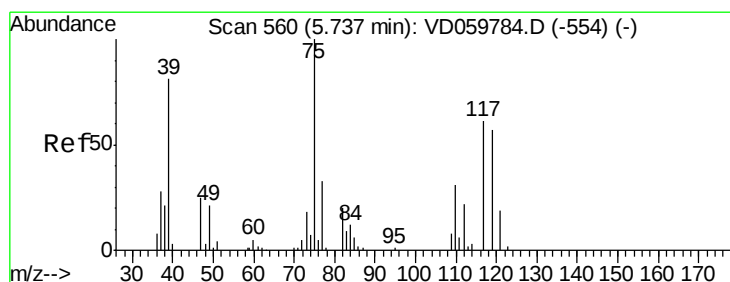
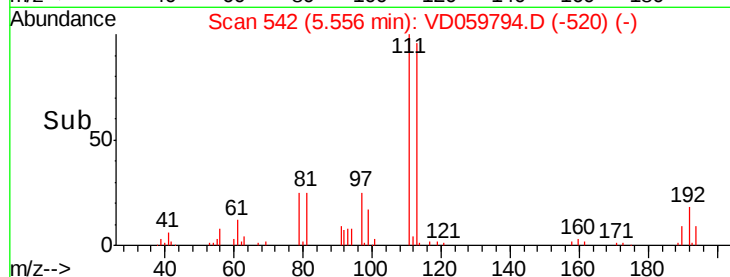
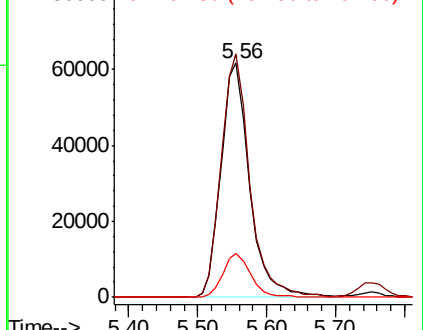
192 18.8 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.70 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

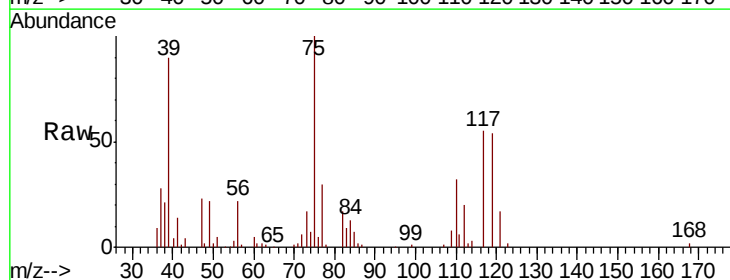
Tgt Ion: 75 Resp: 194899

Ion Ratio Lower Upper

75 100

110 32.0 15.3 45.8

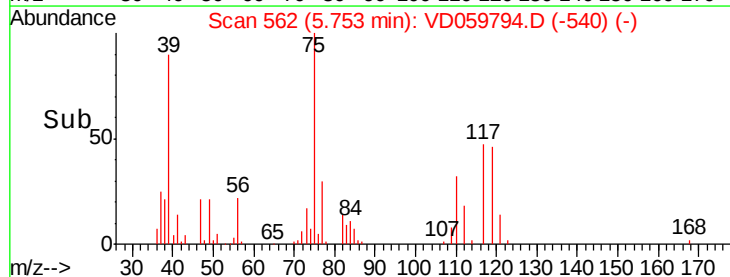
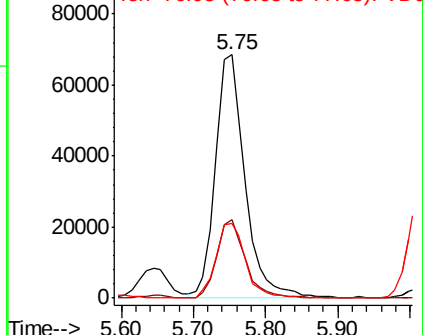
77 30.5 26.2 39.4

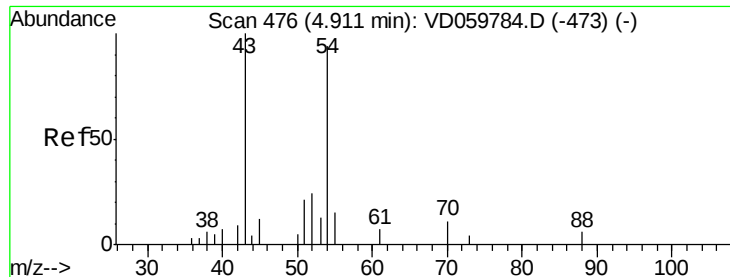


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 56.56 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

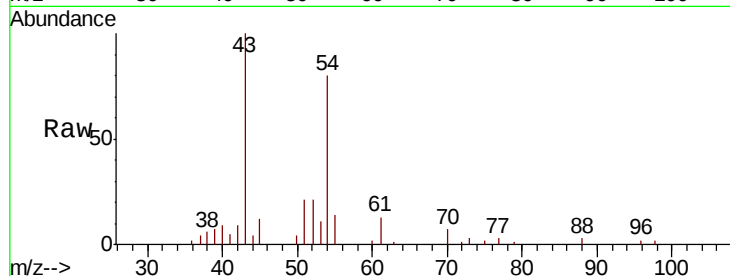
Tot Ion: 43 Resp: 106646

Ion Ratio Lower Upper

43 100

61 12.9 10.2 15.2

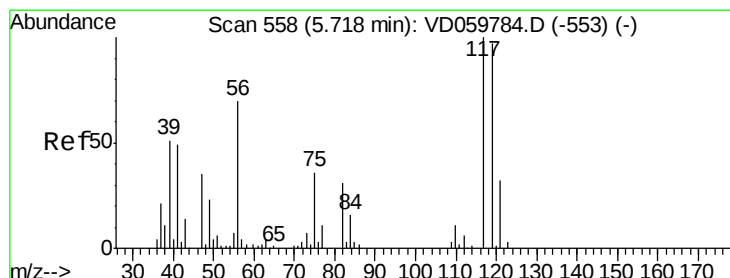
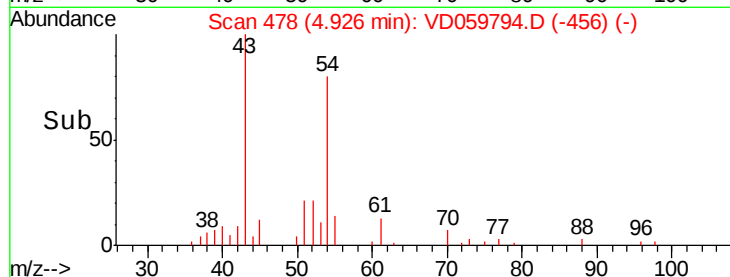
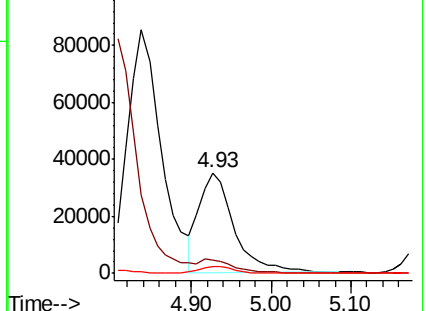
70 7.3 5.8 8.8



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: 51.57 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

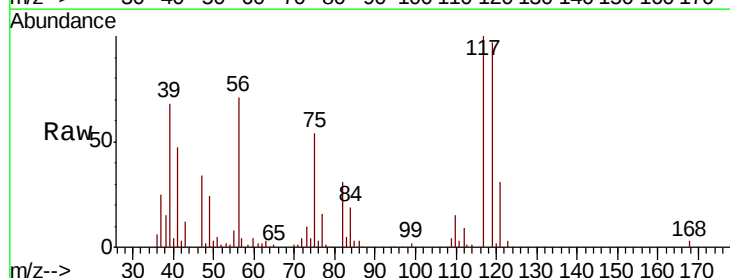
Tgt Ion: 117 Resp: 234575

Ion Ratio Lower Upper

117 100

119 97.4 75.7 113.5

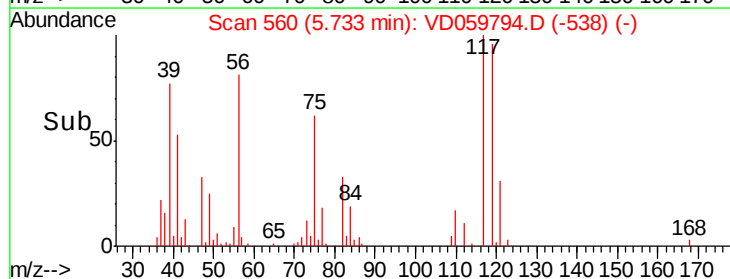
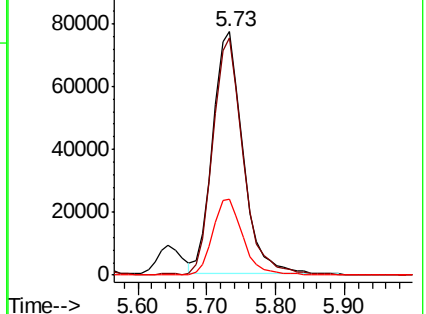
121 31.4 24.7 37.1

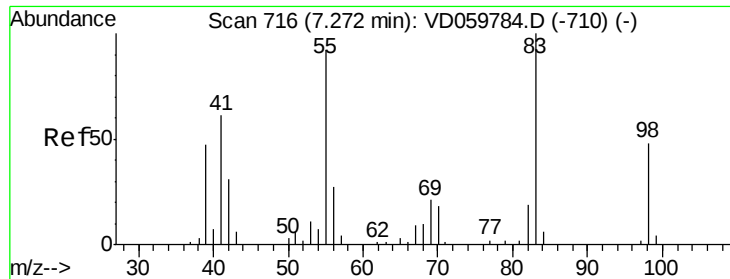


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

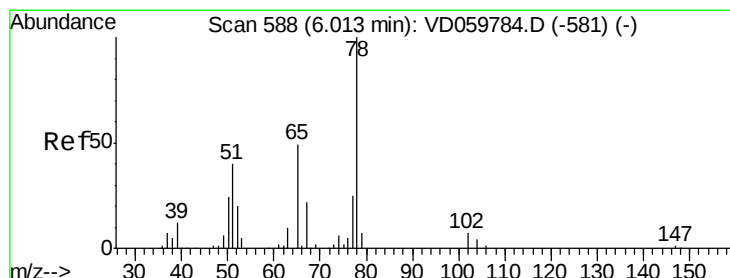
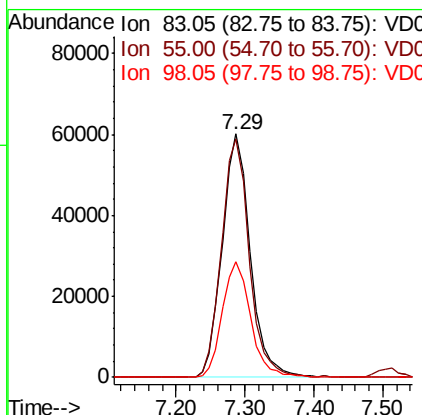
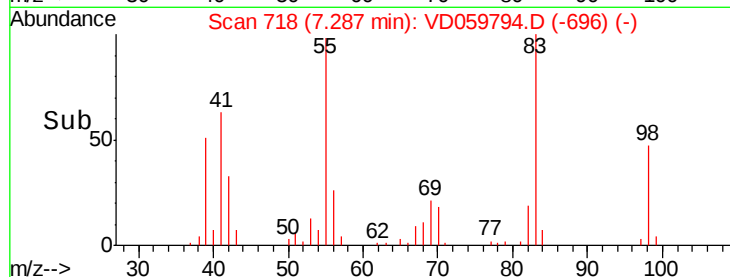
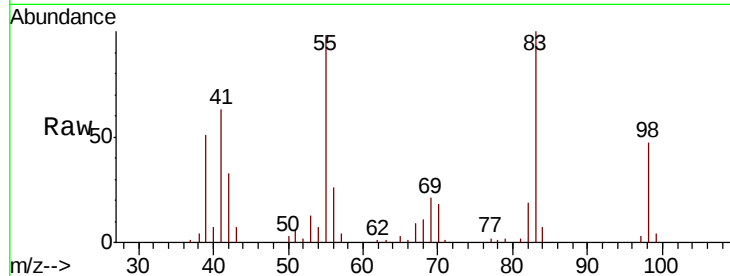




#39
Methylcyclohexane
Concen: 52.05 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

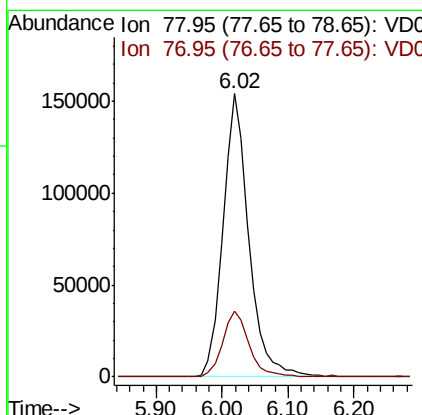
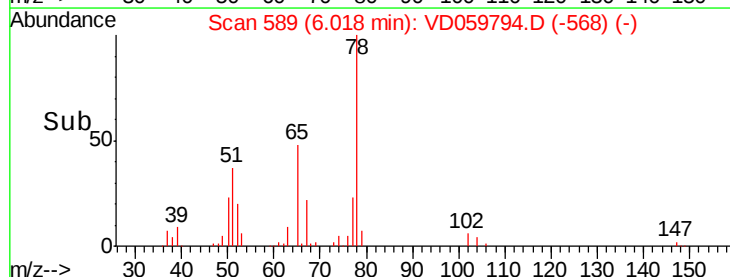
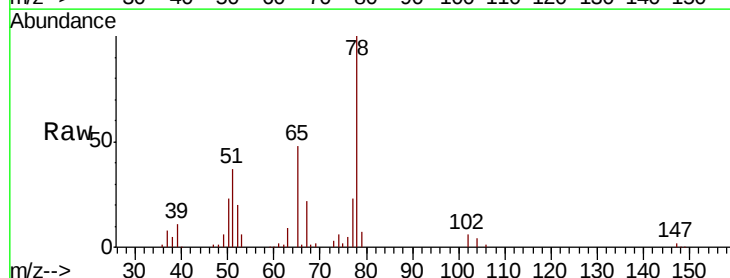
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

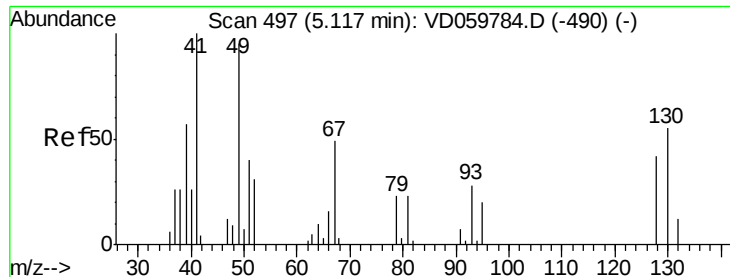
Tot Ion: 83 Resp: 169743
Ion Ratio Lower Upper
83 100
55 98.2 73.8 110.6
98 47.4 38.4 57.6



#40
Benzene
Concen: 52.77 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 78 Resp: 421949
Ion Ratio Lower Upper
78 100
77 23.4 19.6 29.4





#41

Methacrylonitrile

Concen: 58.64 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 52897

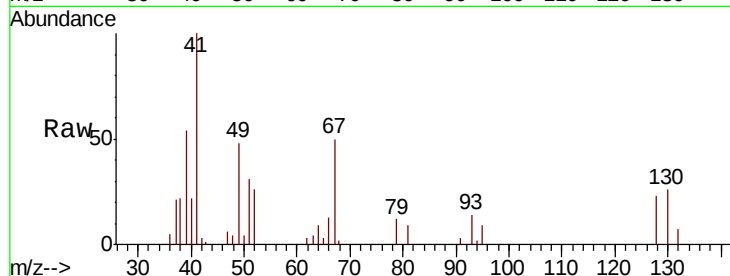
Ion Ratio Lower Upper

41 100

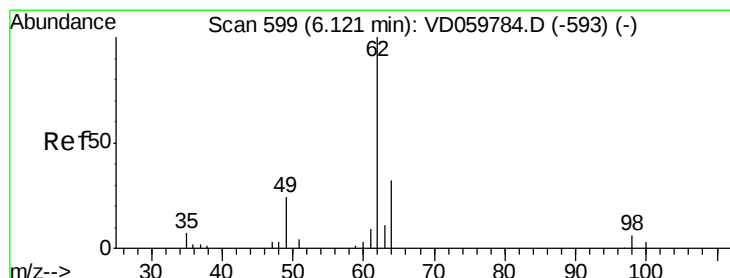
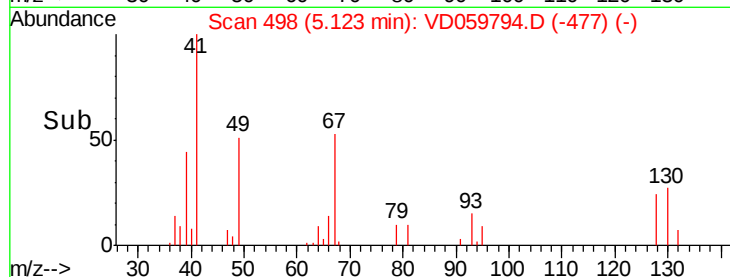
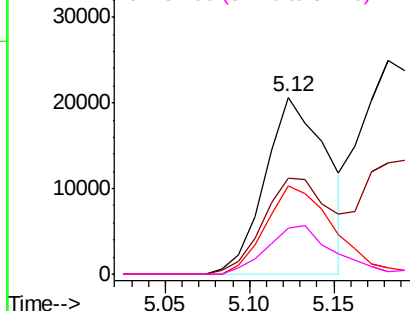
39 54.5 45.4 68.2

67 50.0 39.5 59.3

52 25.9 24.8 37.2



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



#42

1,2-Dichloroethane

Concen: 56.11 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD059794.D

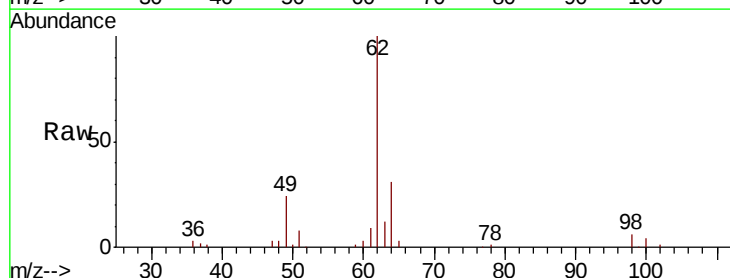
Acq: 15 Aug 2018 6:30

Tgt Ion: 62 Resp: 242828

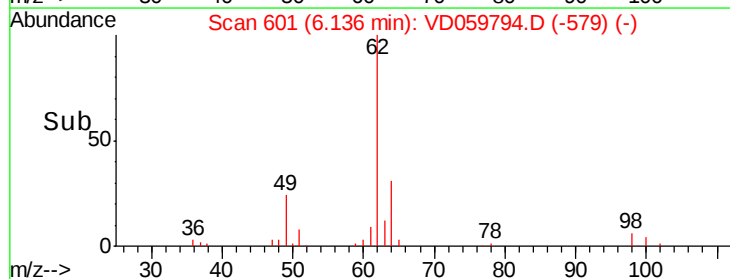
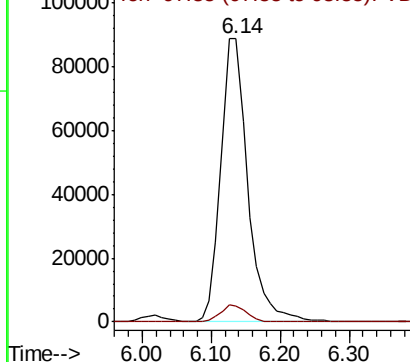
Ion Ratio Lower Upper

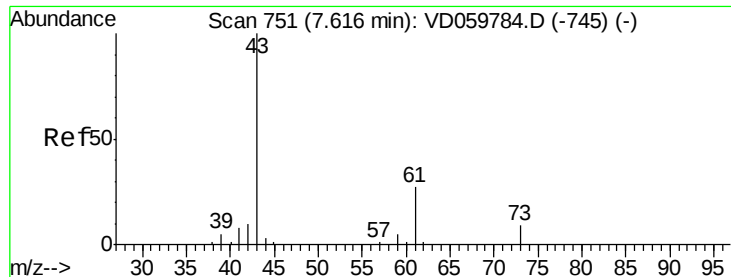
62 100

98 5.5 0.0 12.0



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



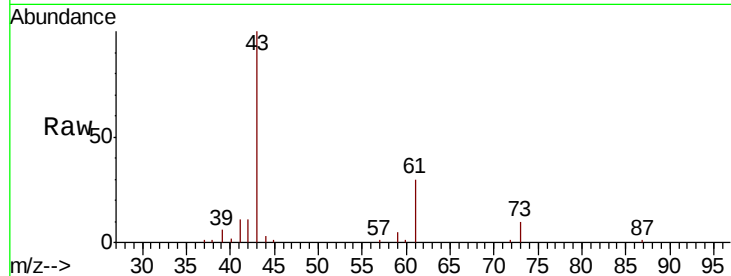


#43

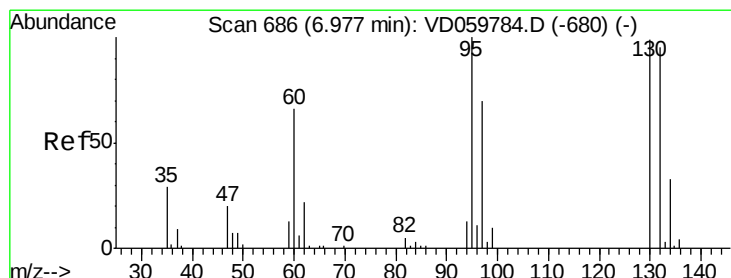
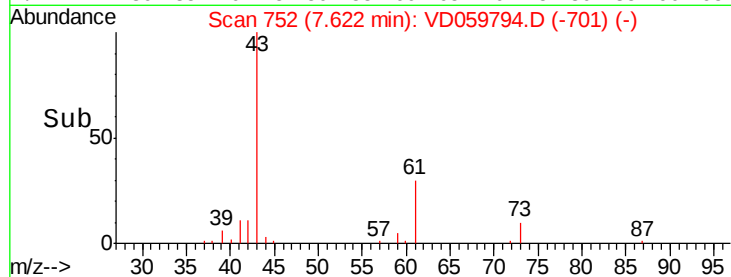
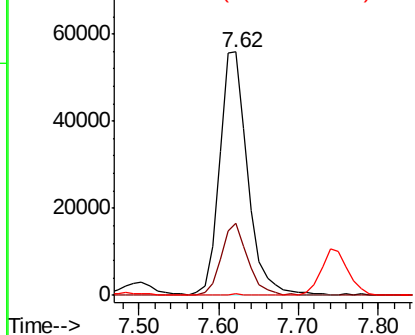
Isopropyl Acetate
 Concen: 58.25 ug/l
 RT: 7.62 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 138695
 Ion Ratio Lower Upper
 43 100
 61 29.6 21.2 31.8
 87 0.6 0.0 0.0#



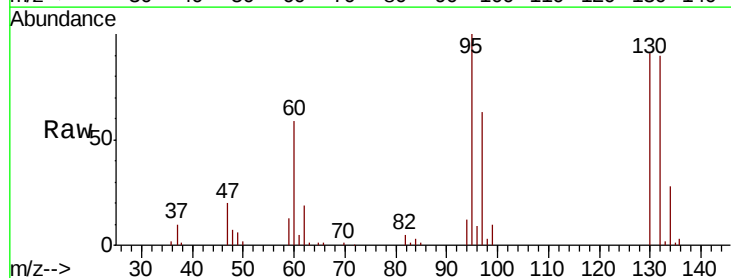
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



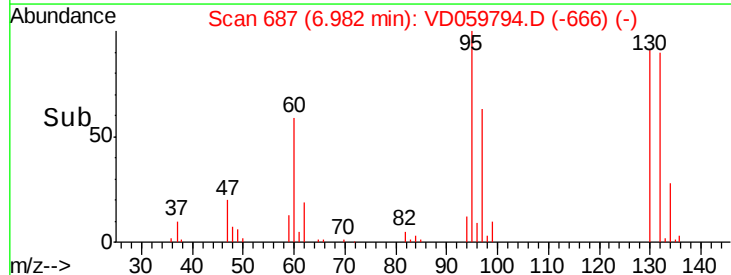
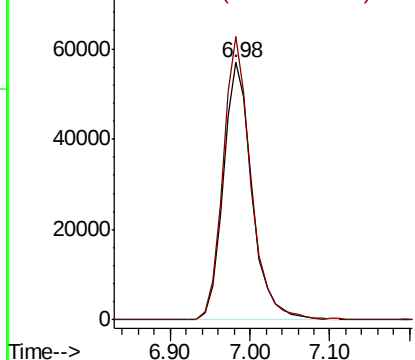
#44

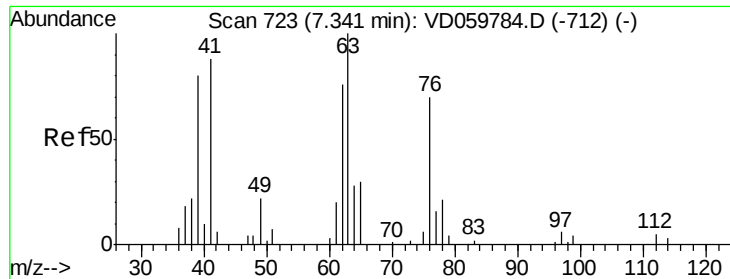
Trichloroethene
 Concen: 52.63 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:130 Resp: 144113
 Ion Ratio Lower Upper
 130 100
 95 110.0 0.0 201.2



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





#45

1,2-Dichloropropane

Concen: 56.10 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

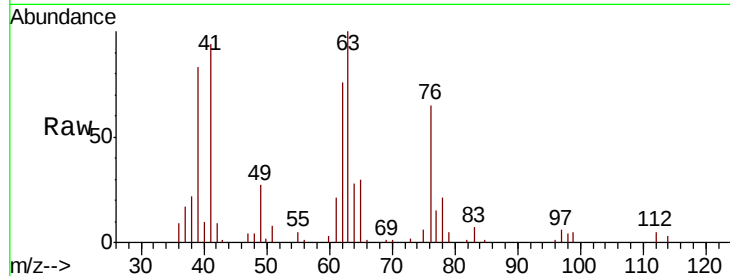
VSTDCCC050EC

Tot Ion: 63 Resp: 116605

Ion Ratio Lower Upper

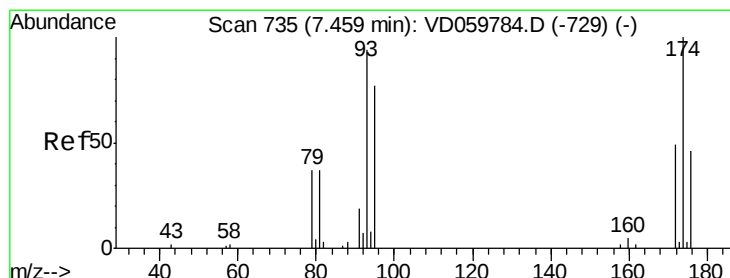
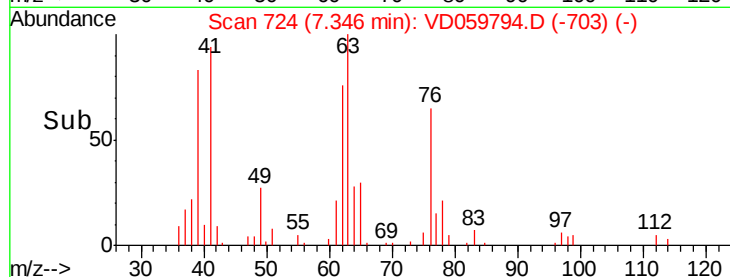
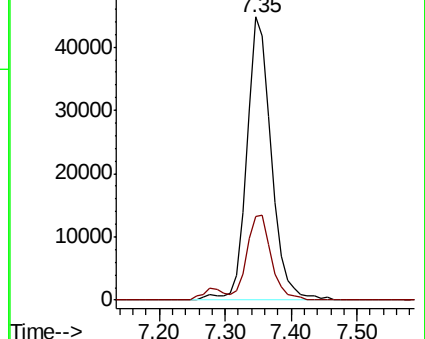
63 100

65 29.6 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.71 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

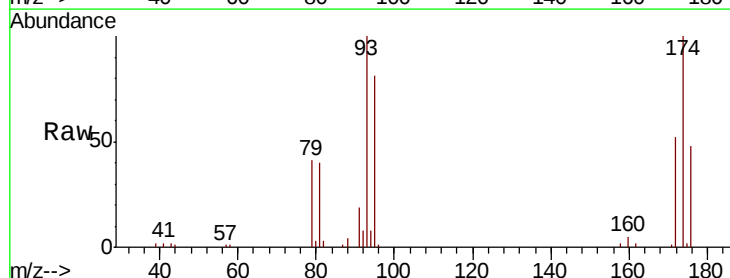
Tgt Ion: 93 Resp: 93003

Ion Ratio Lower Upper

93 100

95 81.0 66.2 99.4

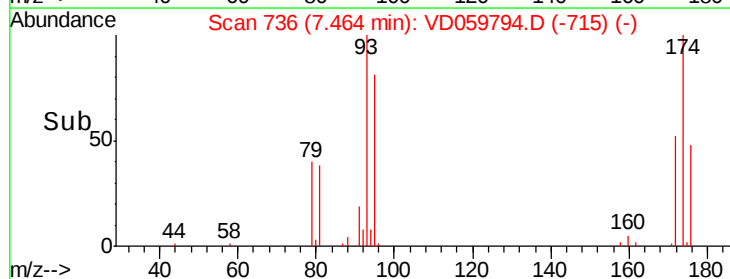
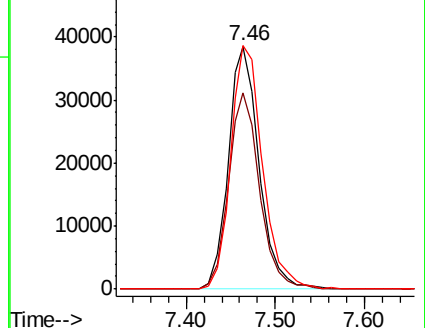
174 100.3 85.5 128.3

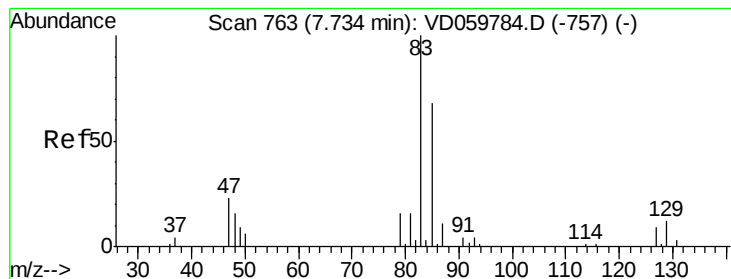


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 55.19 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

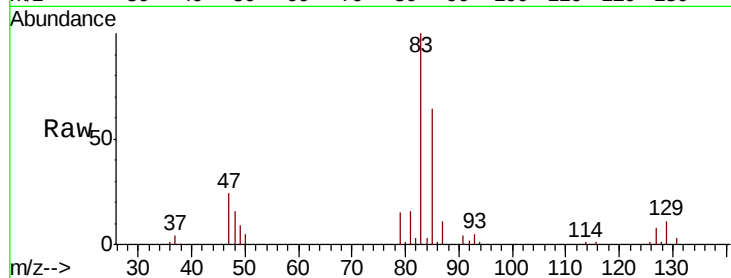
Tot Ion: 83 Resp: 229892

Ion Ratio Lower Upper

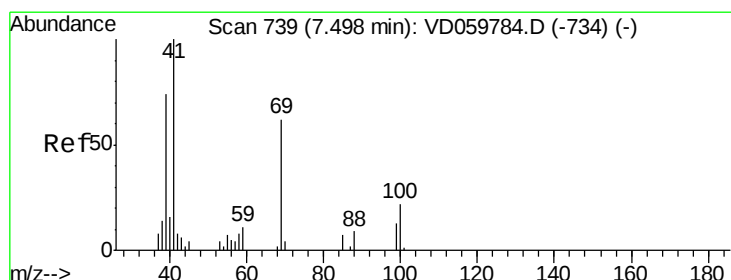
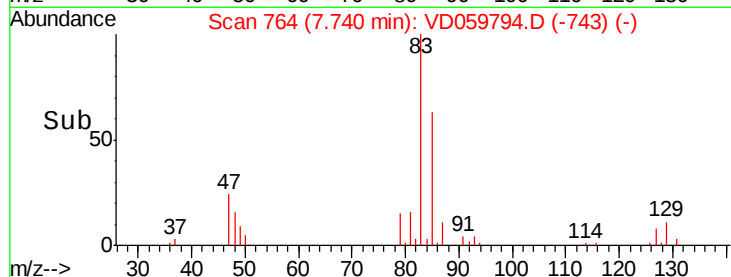
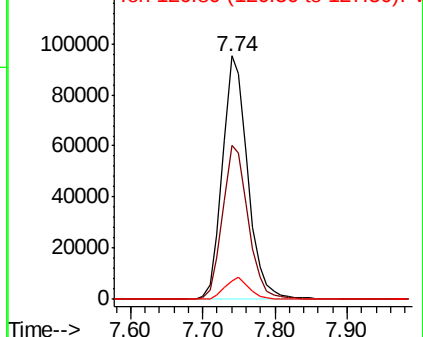
83 100

85 63.5 54.1 81.1

127 7.8 7.5 11.3



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: 59.18 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

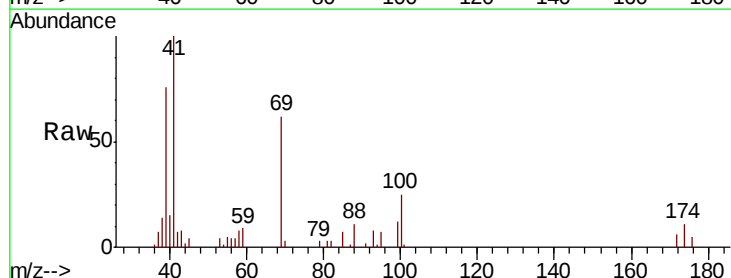
Tgt Ion: 41 Resp: 91955

Ion Ratio Lower Upper

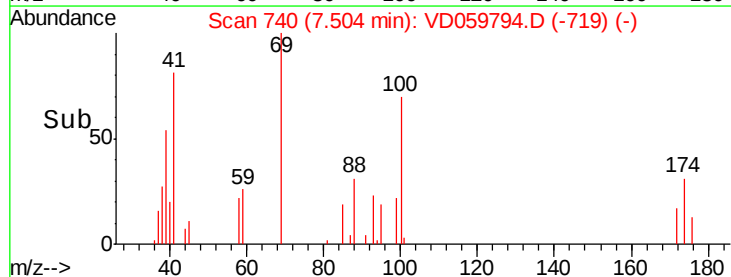
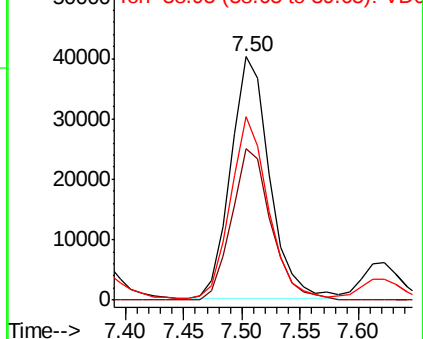
41 100

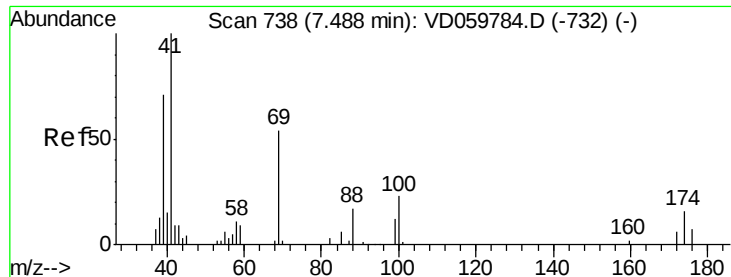
69 62.3 49.8 74.8

39 75.5 59.0 88.4



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: 1195.87 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

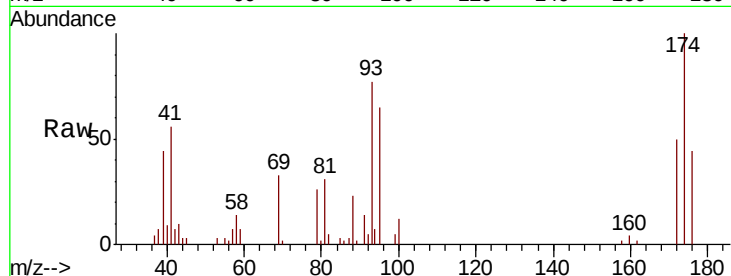
Tot Ion: 88 Resp: 16363

Ion Ratio Lower Upper

88 100

43 42.0 42.0 63.0#

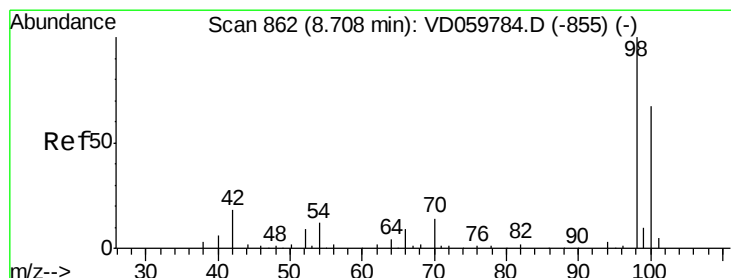
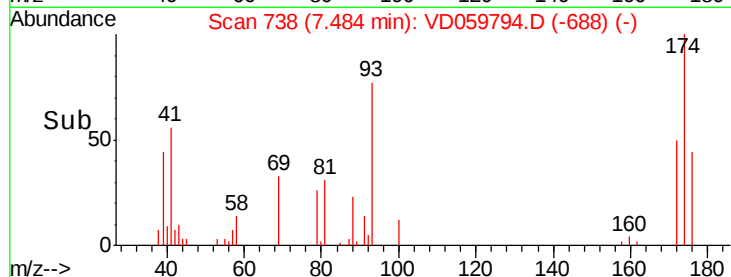
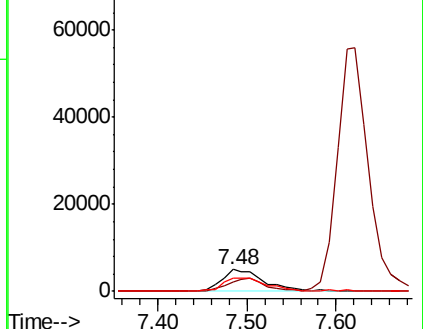
58 59.8 51.4 77.0



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: 1195.87 ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD059794.D

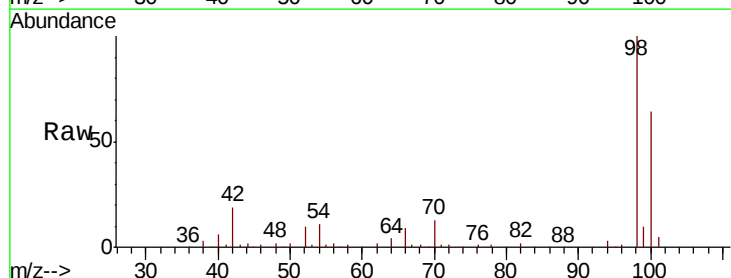
Acq: 15 Aug 2018 6:30

Tgt Ion: 98 Resp: 428788

Ion Ratio Lower Upper

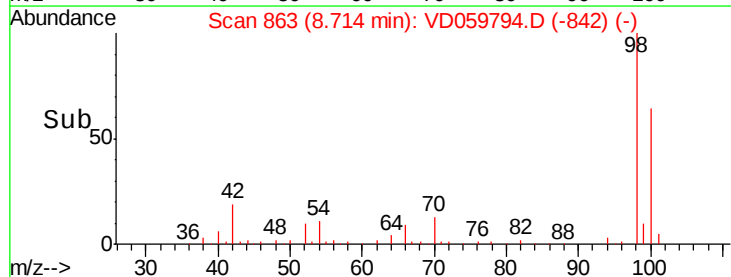
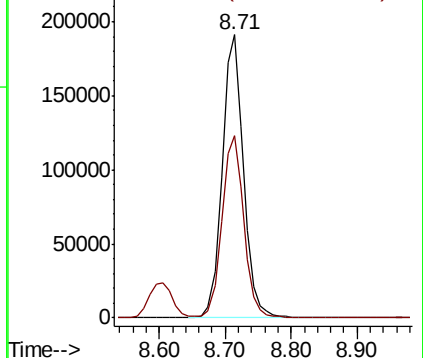
98 100

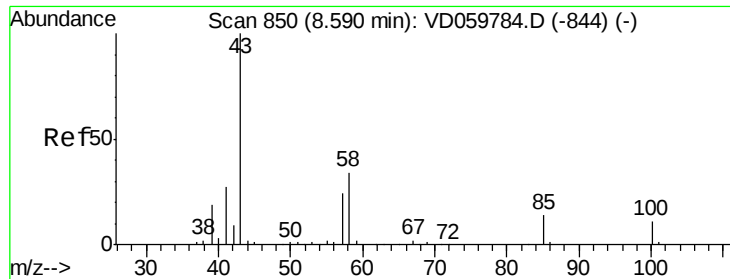
100 64.4 54.2 81.4



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: 305.72 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

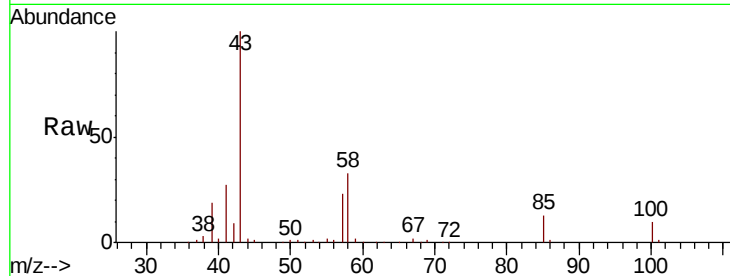
VSTDCCC050EC

Tot Ion: 43 Resp: 550255

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

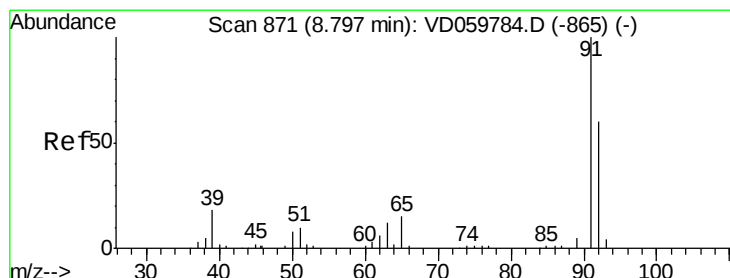
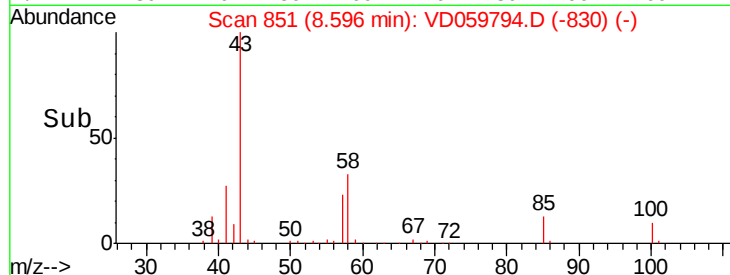
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 55.05 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059794.D

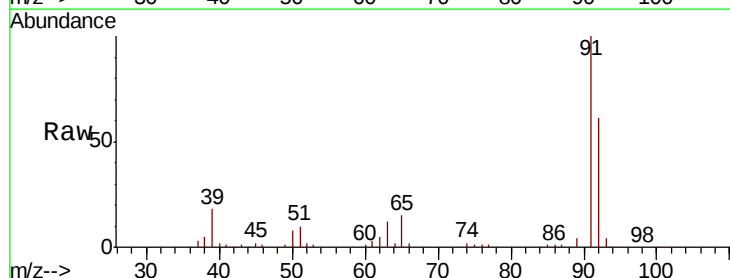
Acq: 15 Aug 2018 6:30

Tgt Ion: 92 Resp: 281985

Ion Ratio Lower Upper

92 100

91 164.9 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

200000

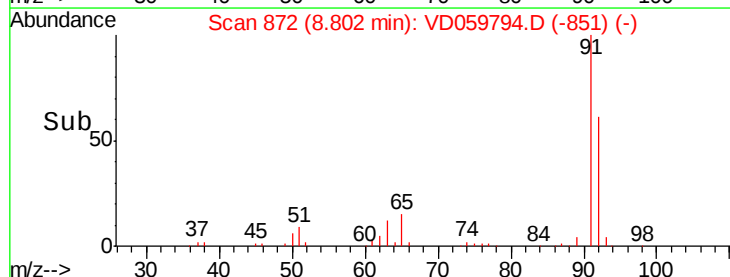
150000

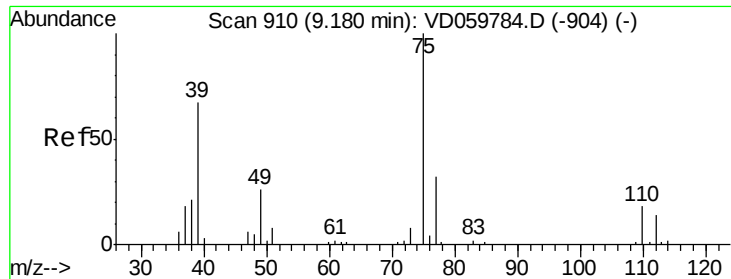
100000

50000

0

Time-->

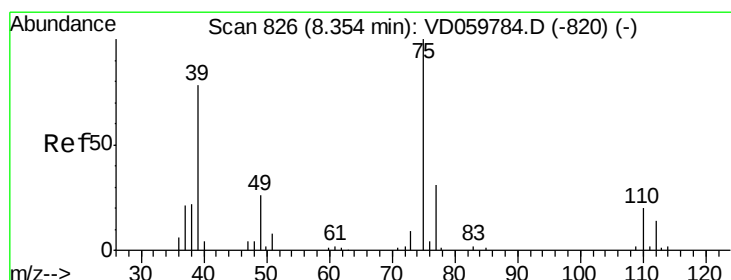
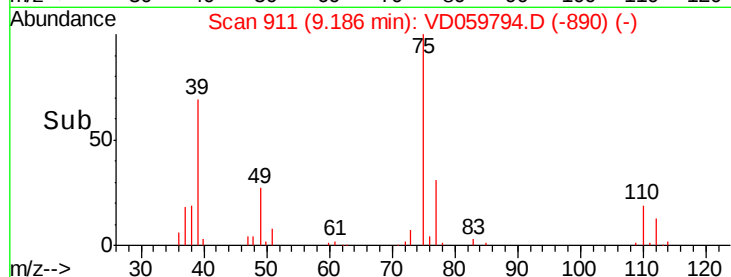
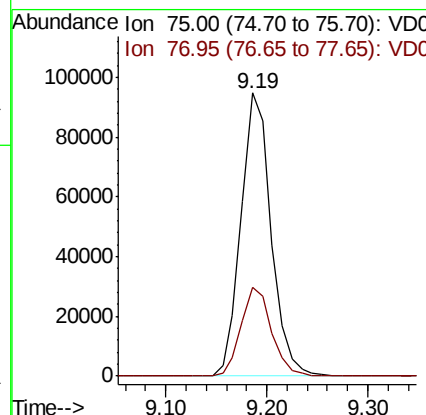
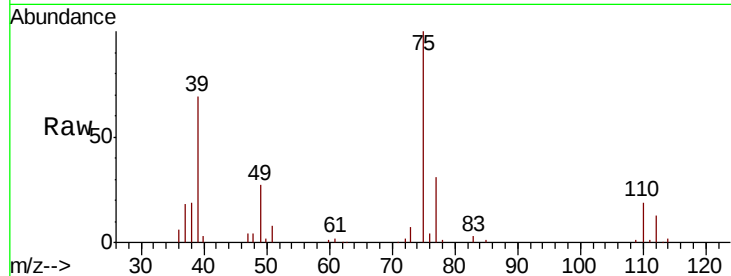




#53
 t-1,3-Dichloropropene
 Concen: 57.08 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

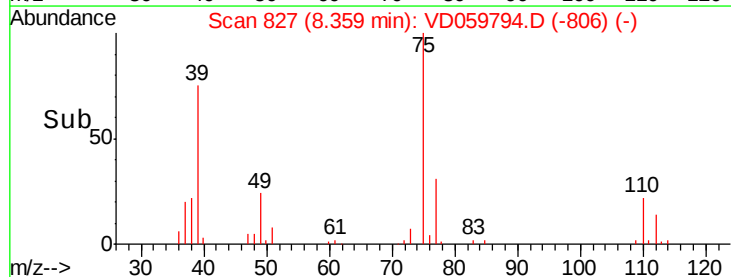
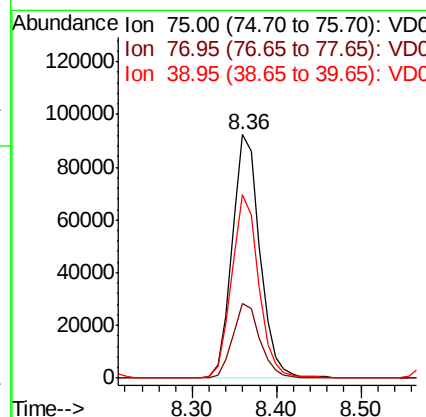
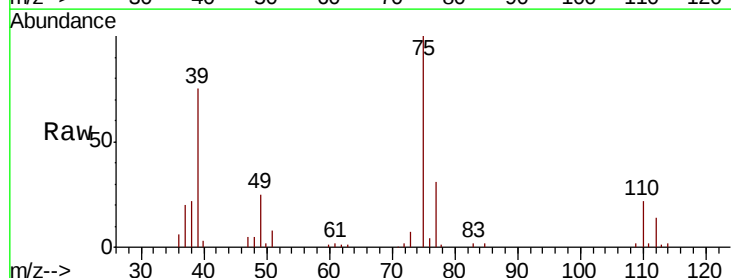
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

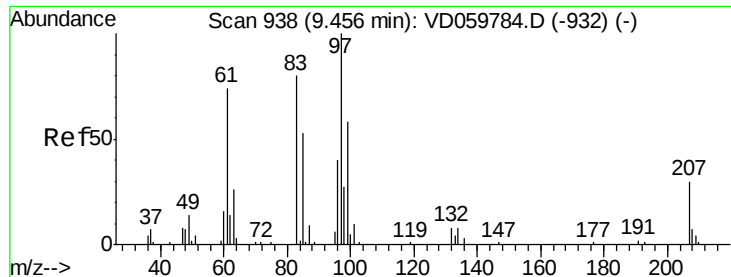
Tot Ion: 75 Resp: 197099
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 56.30 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 75 Resp: 210127
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2
 39 75.1 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 52.23 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 98783

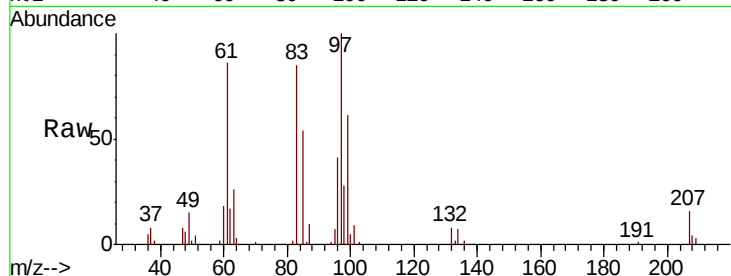
Ion Ratio Lower Upper

97 100

83 84.8 63.8 95.8

85 54.3 42.5 63.7

99 60.8 46.2 69.4

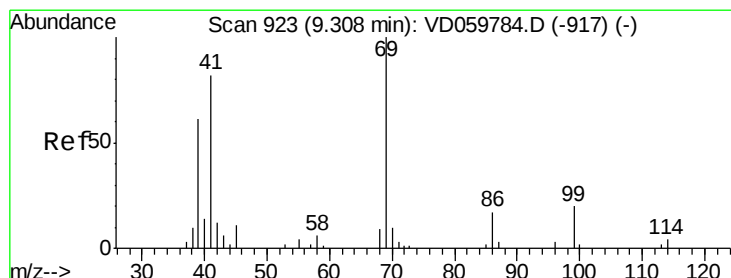
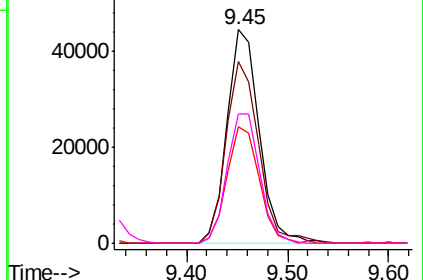
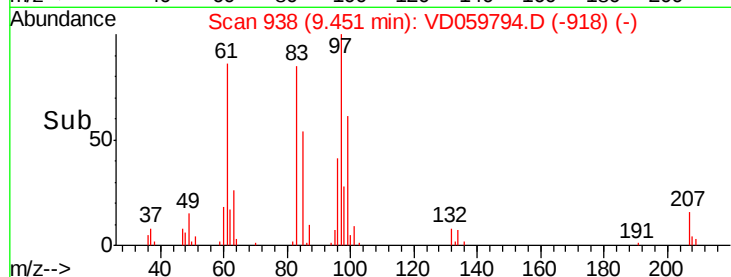


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 56.68 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

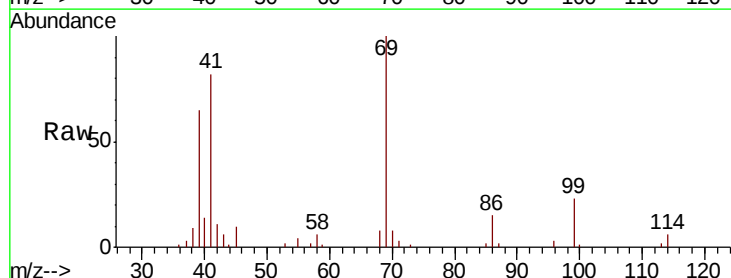
Tgt Ion: 69 Resp: 116078

Ion Ratio Lower Upper

69 100

41 82.1 65.8 98.8

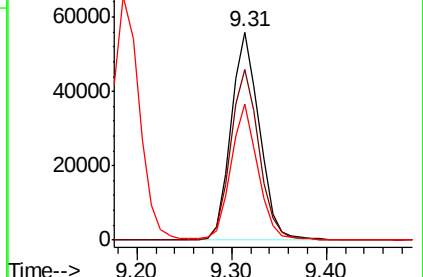
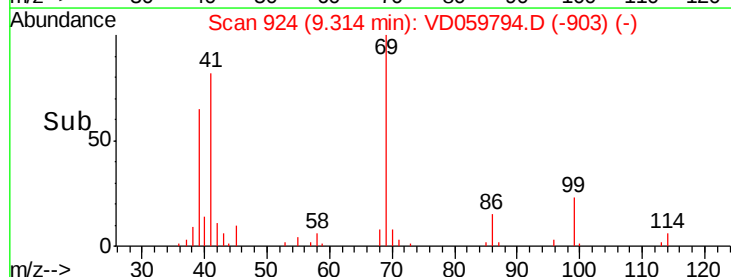
39 65.5 49.7 74.5

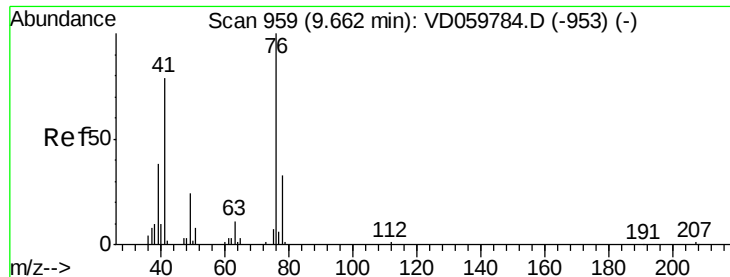


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 54.44 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

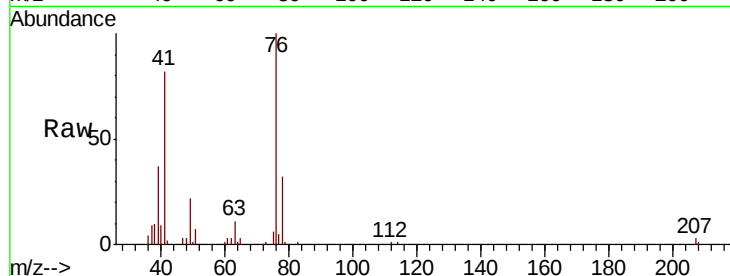
VSTDCCC050EC

Tot Ion: 76 Resp: 161276

Ion Ratio Lower Upper

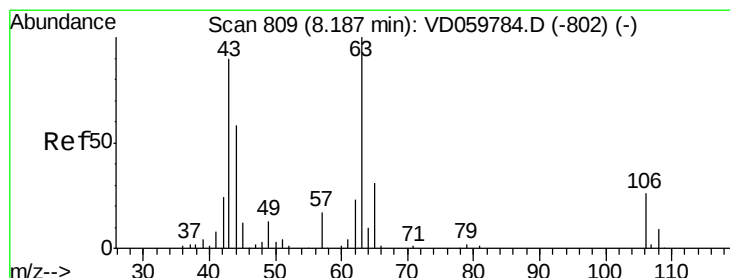
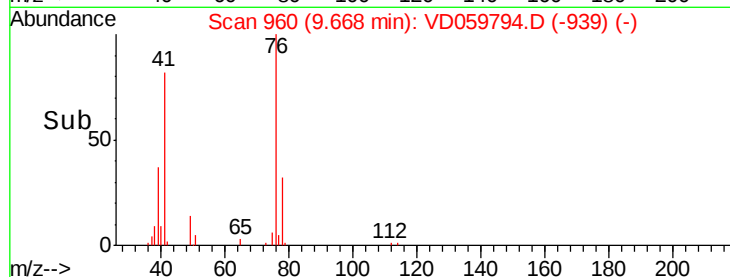
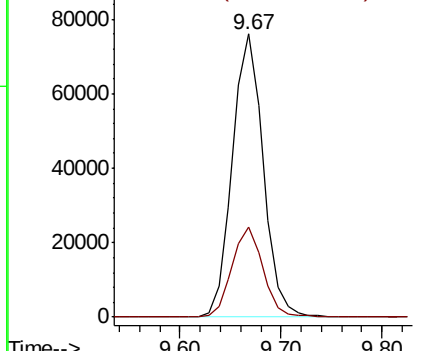
76 100

78 32.1 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 258.78 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD059794.D

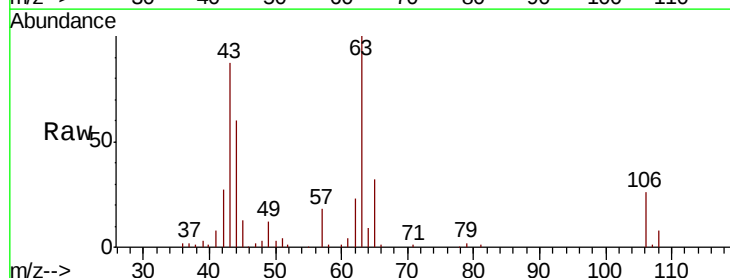
Acq: 15 Aug 2018 6:30

Tgt Ion: 63 Resp: 261961

Ion Ratio Lower Upper

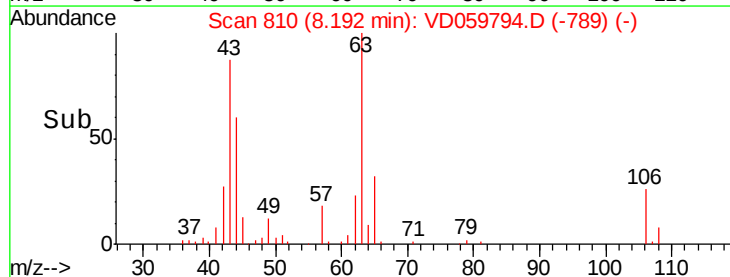
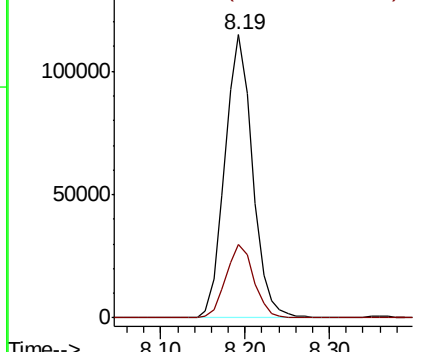
63 100

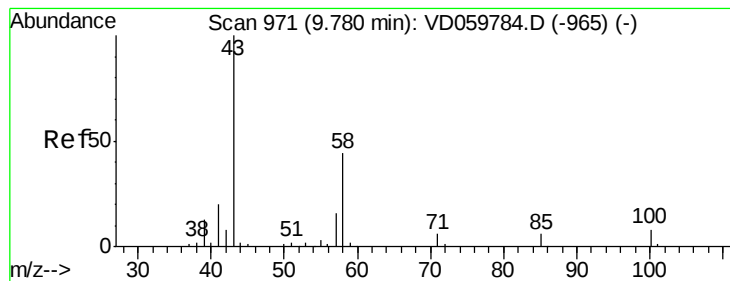
106 26.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 309.52 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

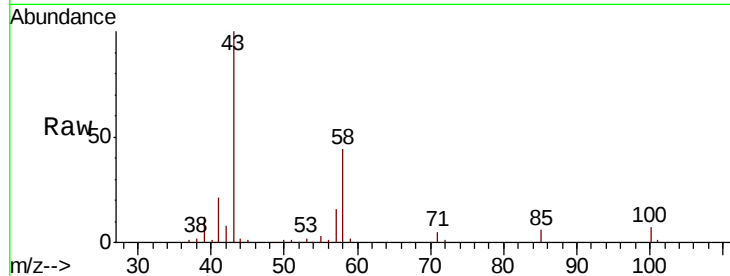
VSTDCCC050EC

Tot Ion: 43 Resp: 399469

Ion Ratio Lower Upper

43 100

58 44.2 22.3 66.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.79

200000

150000

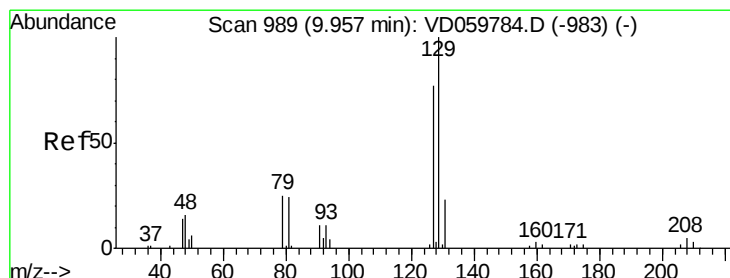
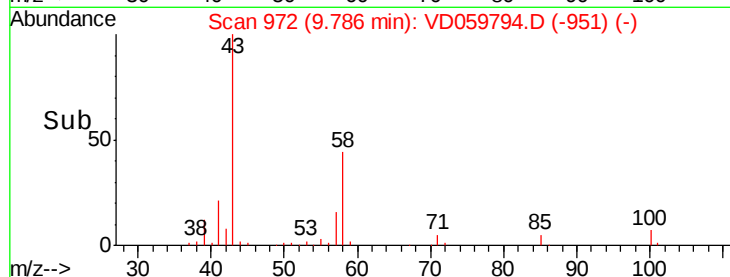
100000

50000

0

9.70 9.80 9.90

Time-->



#60

Dibromochloromethane

Concen: 56.02 ug/l

RT: 9.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD059794.D

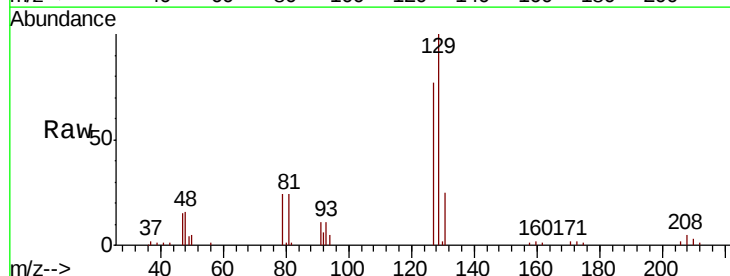
Acq: 15 Aug 2018 6:30

Tgt Ion:129 Resp: 153829

Ion Ratio Lower Upper

129 100

127 77.5 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

80000

60000

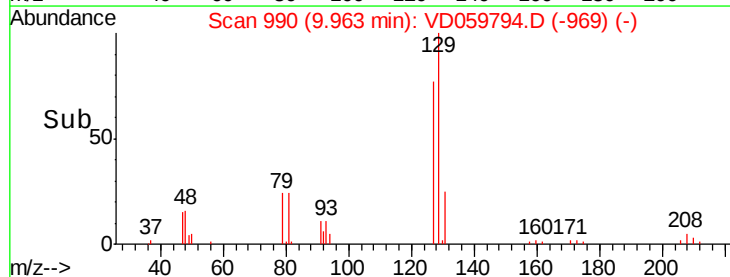
40000

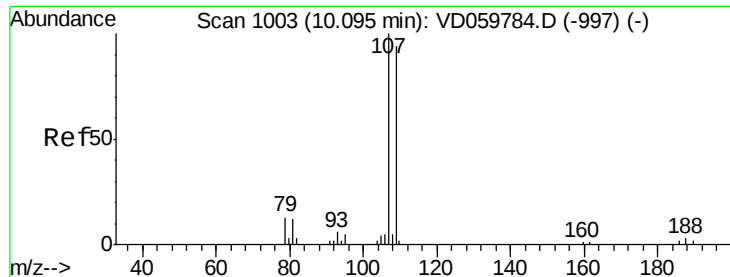
20000

0

9.90 10.00

Time-->





#61

1,2-Dibromoethane

Concen: 54.76 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

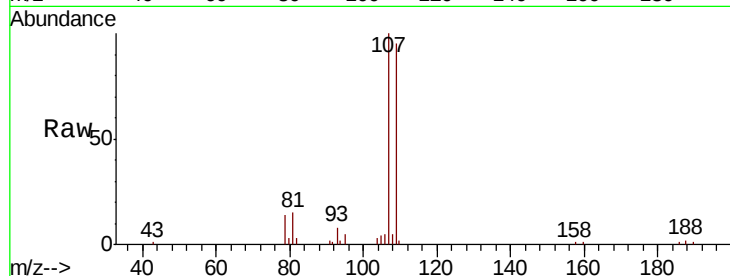
VSTDCCC050EC

Tot Ion:107 Resp: 114712

Ion Ratio Lower Upper

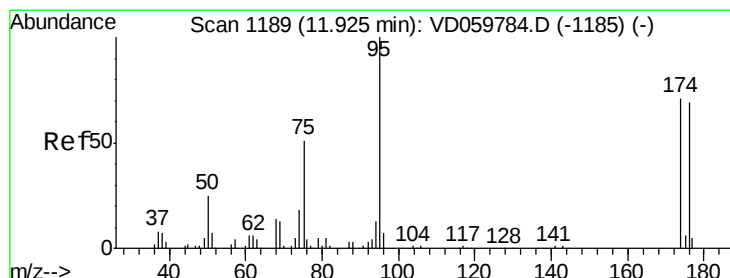
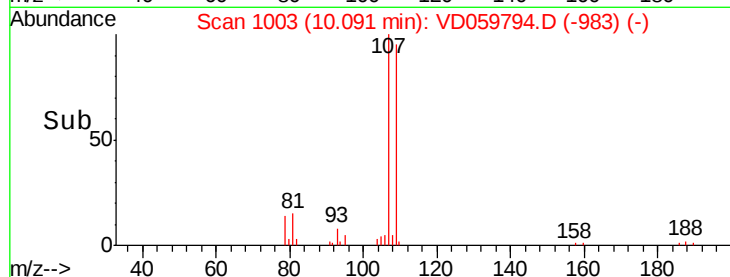
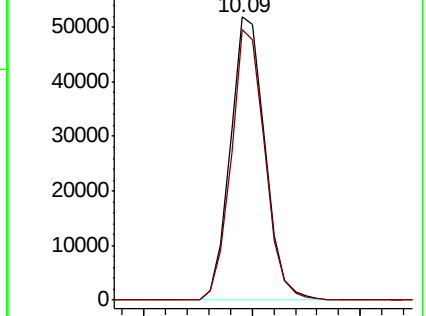
107 100

109 95.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.76 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

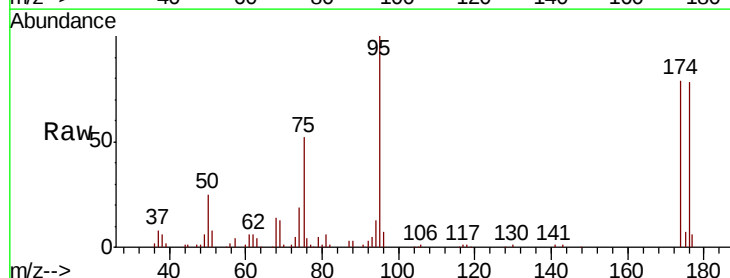
Tgt Ion: 95 Resp: 182360

Ion Ratio Lower Upper

95 100

174 78.8 0.0 142.2

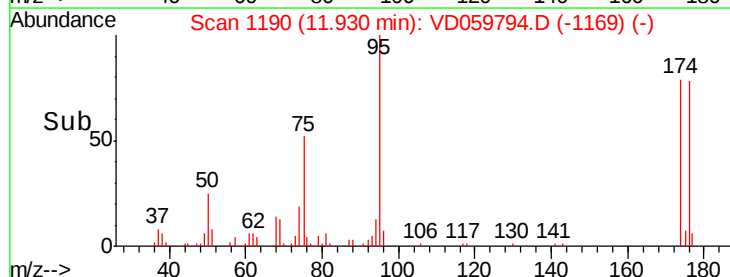
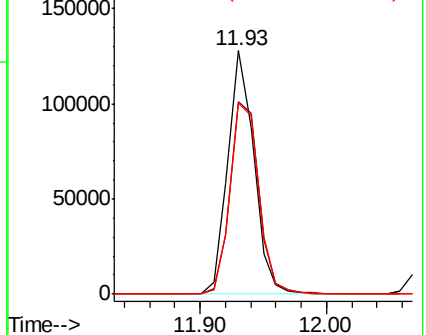
176 78.4 0.0 137.4

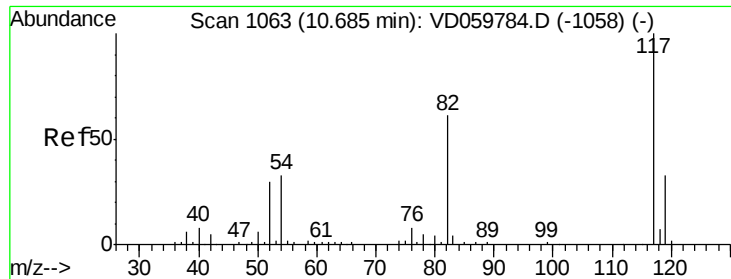


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

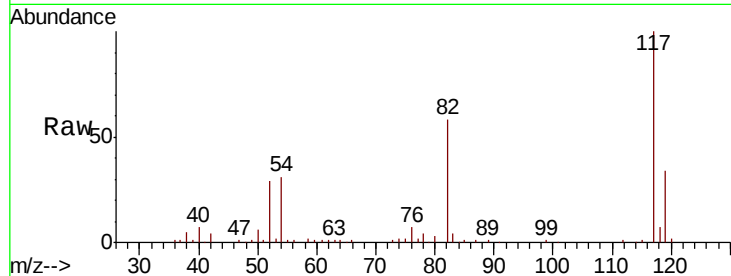




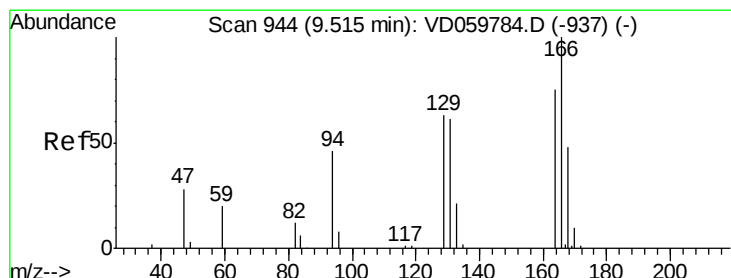
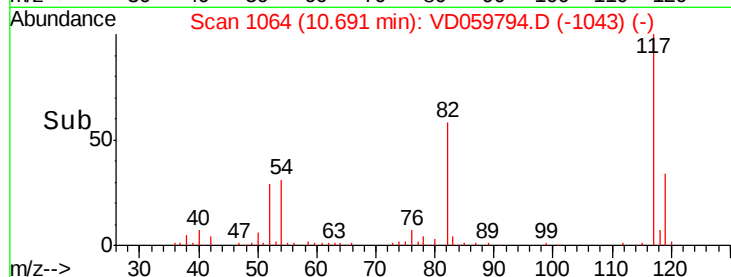
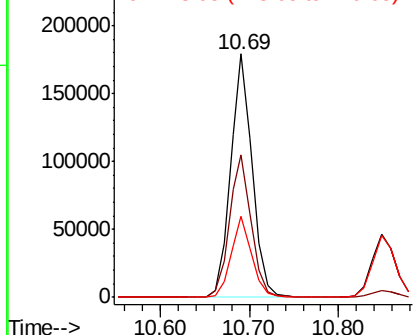
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 305897
Ion Ratio Lower Upper
117 100
82 58.3 49.0 73.6
119 33.5 26.2 39.2



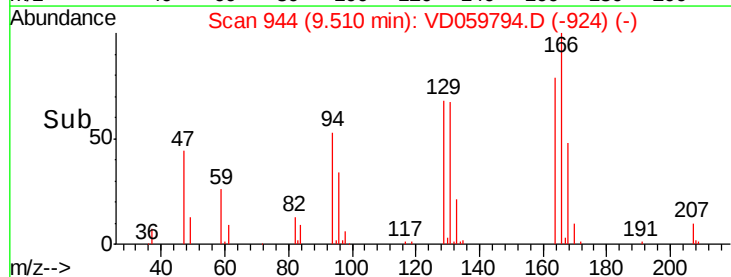
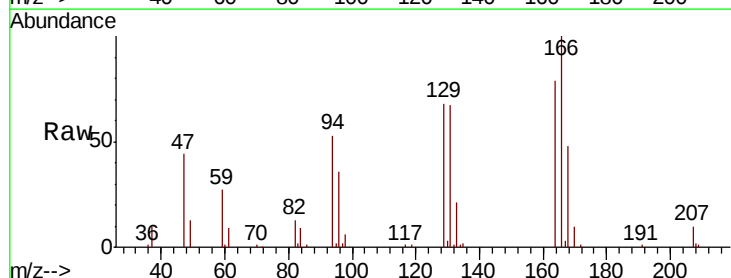
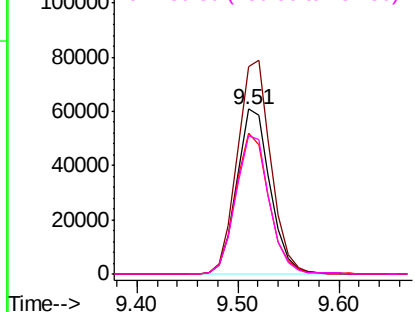
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

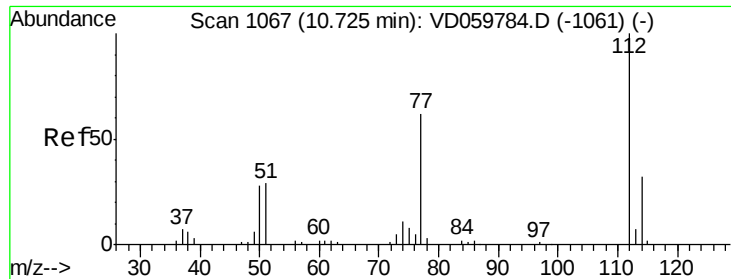


#64
Tetrachloroethene
Concen: 53.25 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:164 Resp: 140284
Ion Ratio Lower Upper
164 100
166 126.1 106.8 160.2
129 85.5 67.2 100.8
131 84.2 64.7 97.1

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

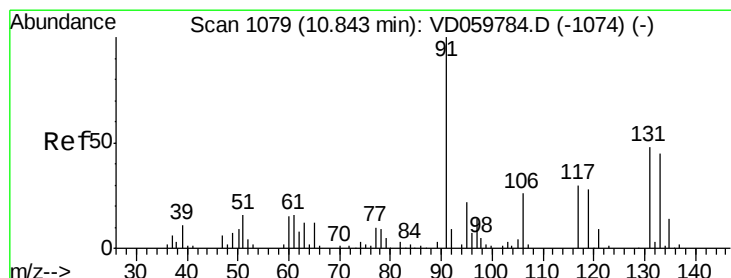
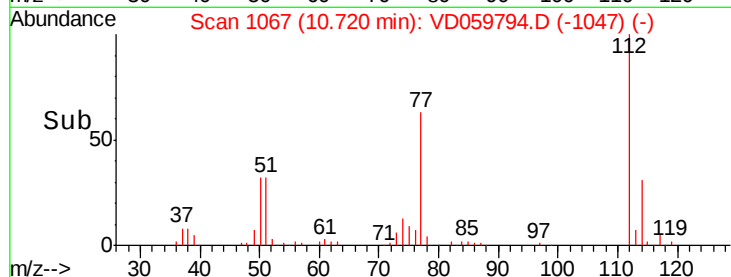
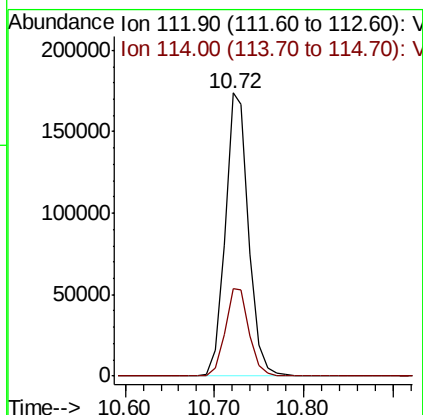
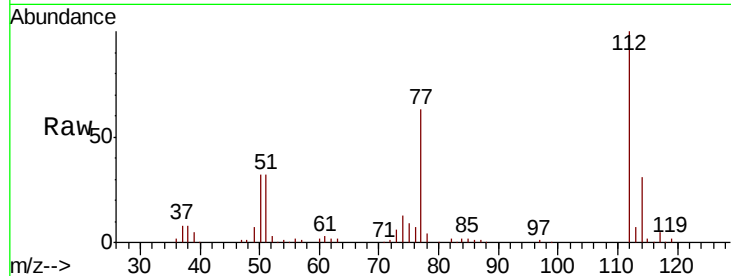




#65
Chlorobenzene
Concen: 51.63 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

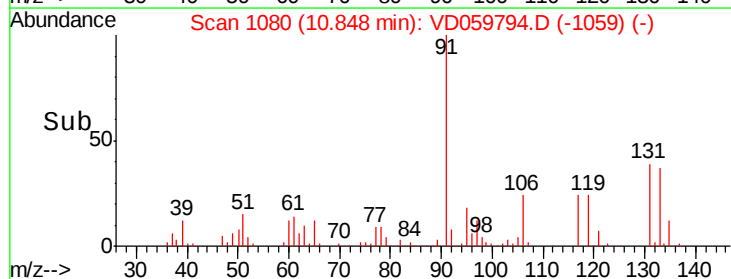
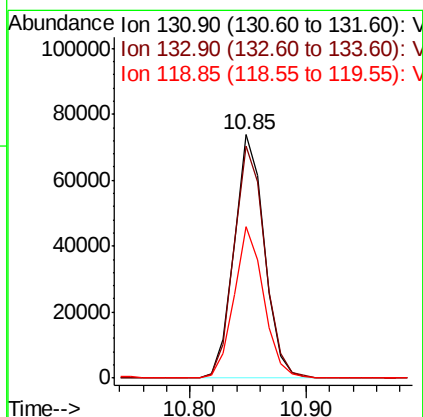
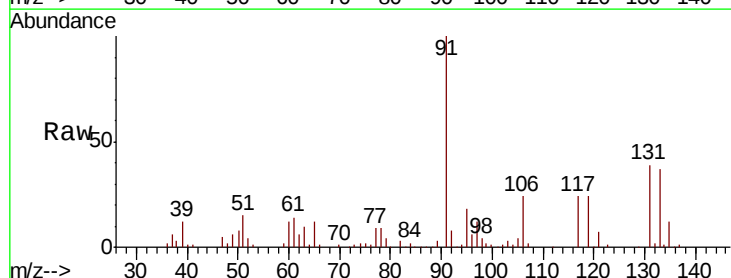
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

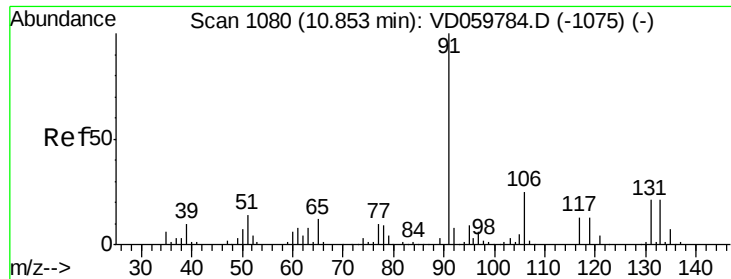
Tot Ion:112 Resp: 319838
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.99 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:131 Resp: 132318
Ion Ratio Lower Upper
131 100
133 95.3 47.0 141.0
119 62.2 29.0 87.1

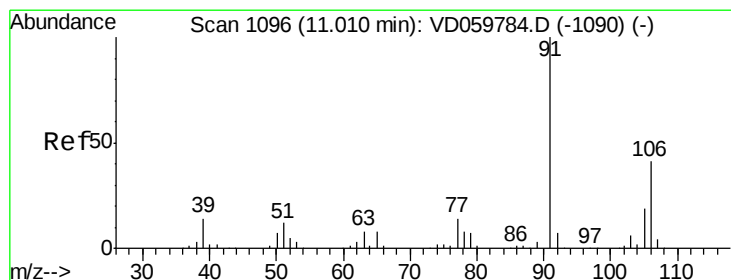
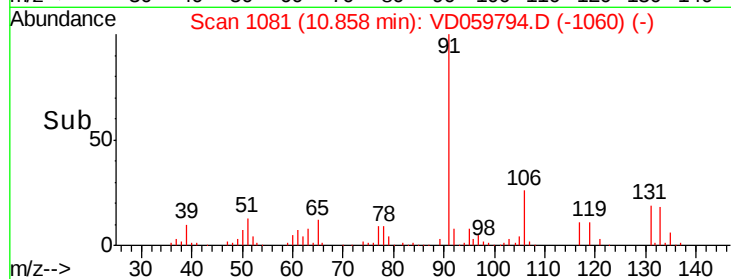
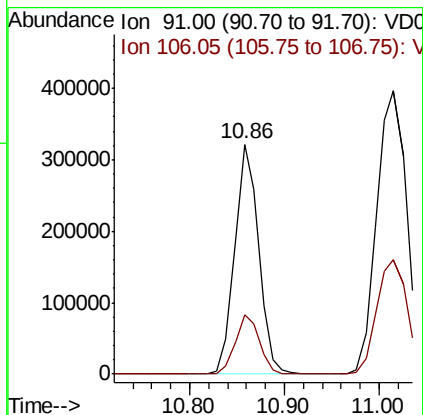
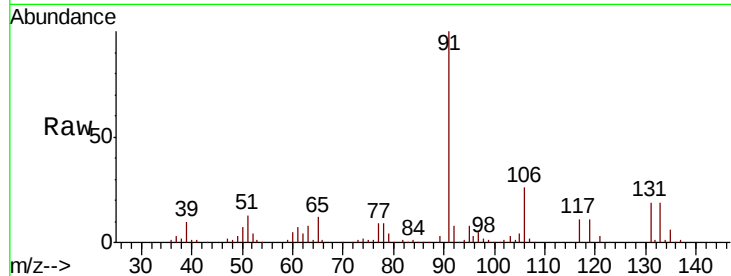




#67
Ethyl Benzene
Concen: 52.61 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

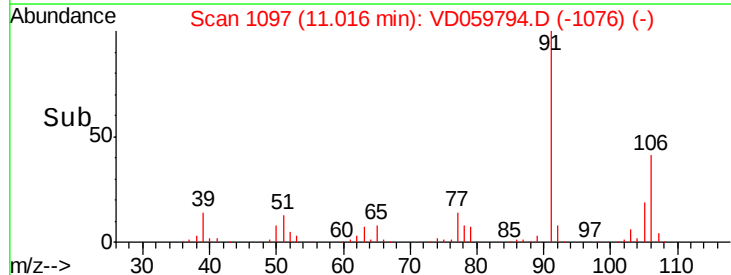
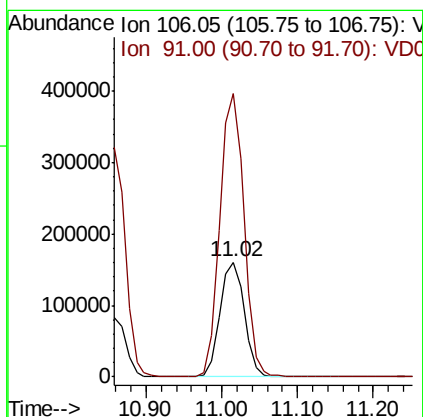
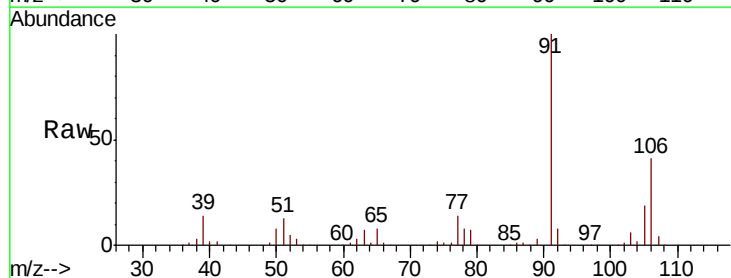
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

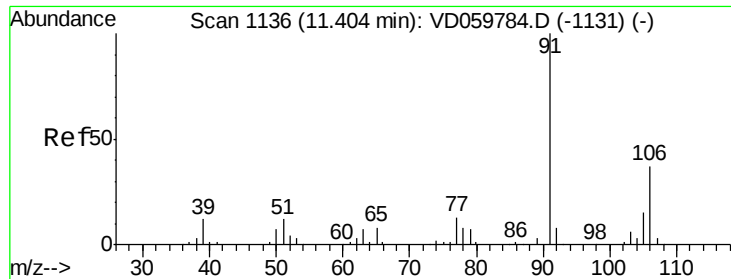
Tot Ion: 91 Resp: 561192
Ion Ratio Lower Upper
91 100
106 26.1 20.1 30.1



#68
m/p-Xylenes
Concen: 99.73 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 106 Resp: 360558
Ion Ratio Lower Upper
106 100
91 246.5 197.4 296.0

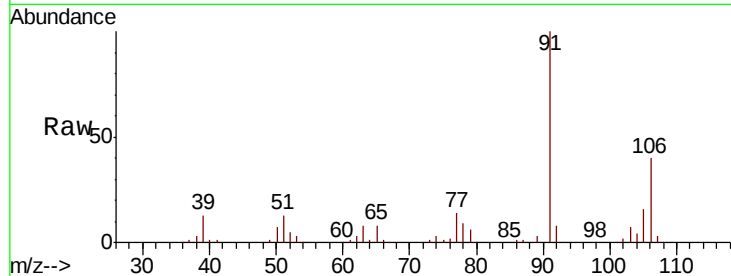




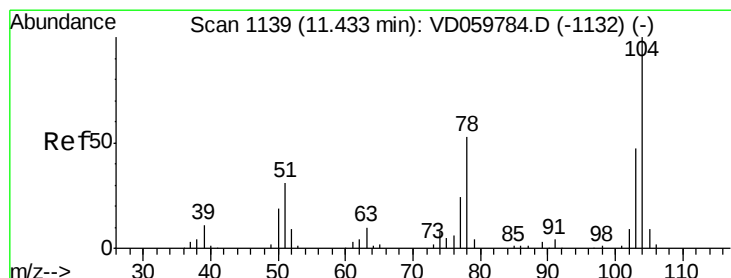
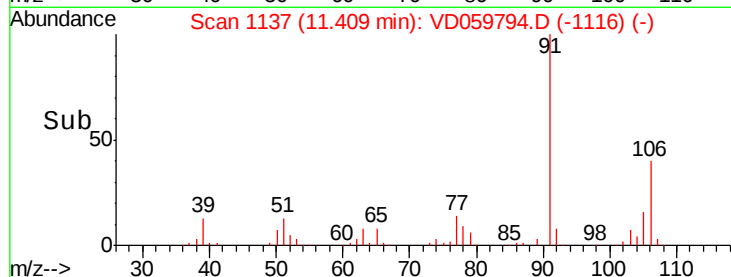
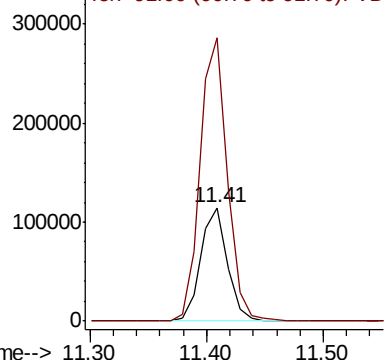
#69
o-Xylene
Concen: 52.19 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 181102
Ion Ratio Lower Upper
106 100
91 249.5 133.7 401.1

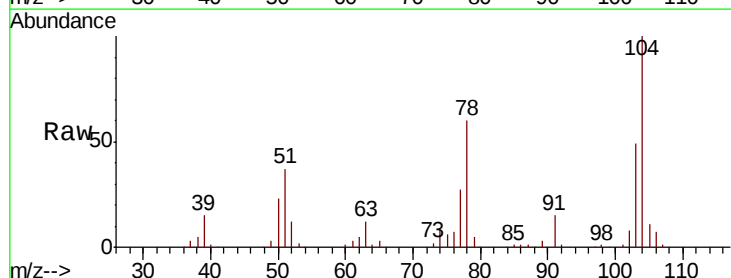


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

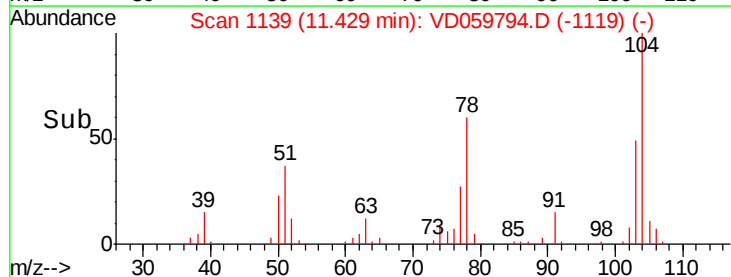
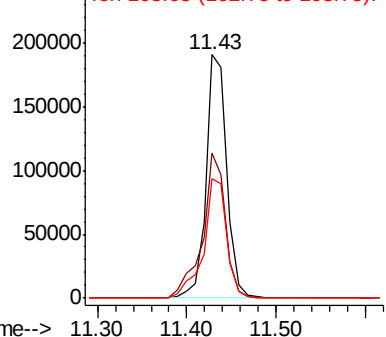


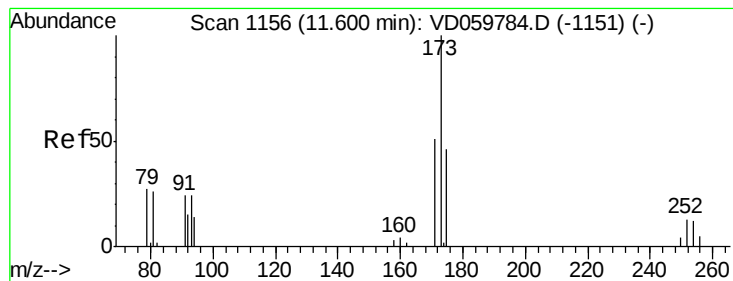
#70
Styrene
Concen: 50.48 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:104 Resp: 310651
Ion Ratio Lower Upper
104 100
78 59.6 42.6 64.0
103 49.1 37.8 56.6



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





#71

Bromoform

Concen: 58.23 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

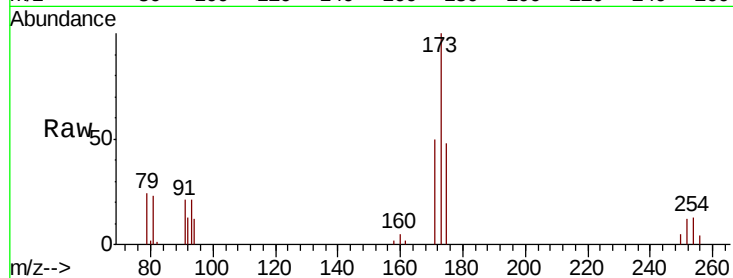
Tot Ion:173 Resp: 105679

Ion Ratio Lower Upper

173 100

175 48.3 23.1 69.2

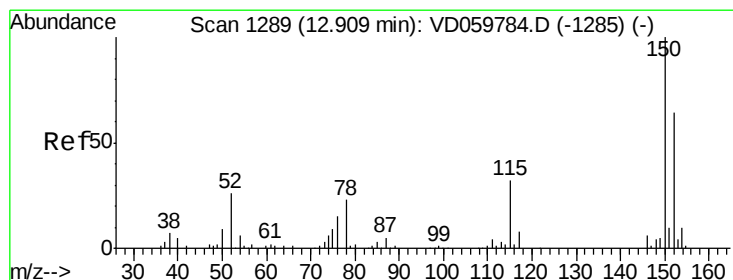
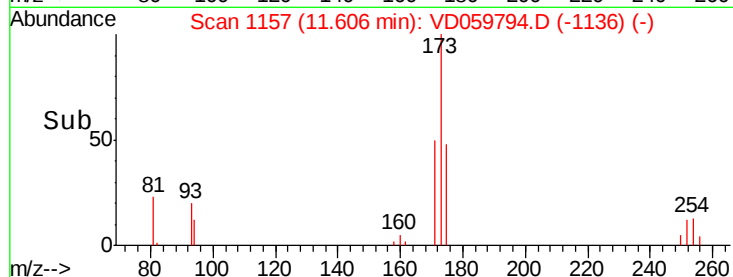
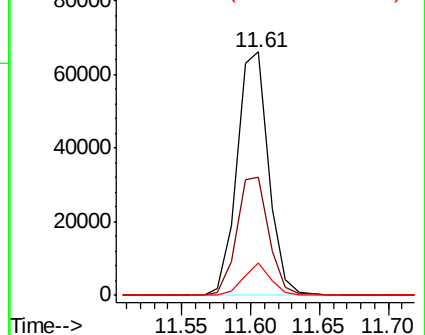
254 13.1 9.7 14.5



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: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

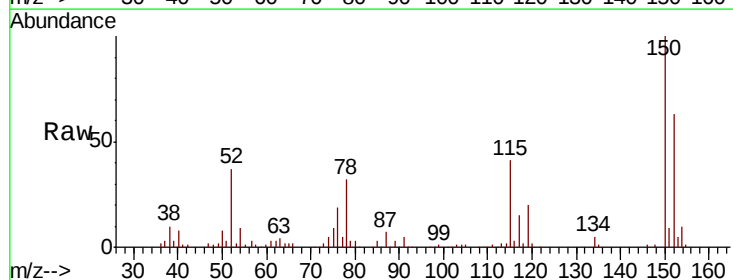
Tgt Ion:152 Resp: 161586

Ion Ratio Lower Upper

152 100

115 65.4 27.2 81.5

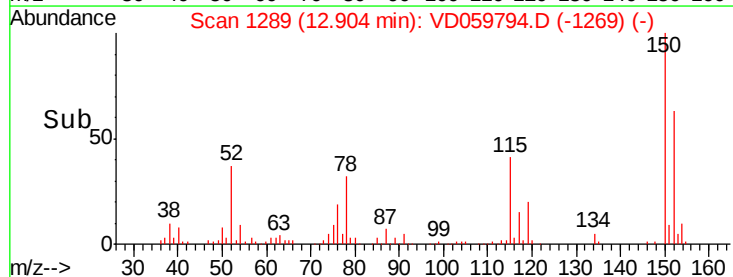
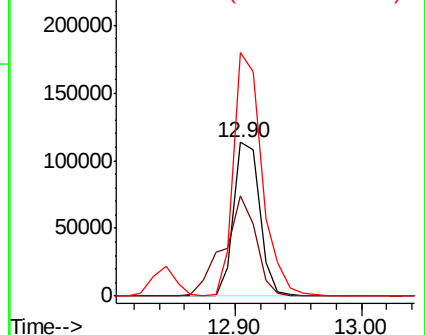
150 158.2 0.0 312.4

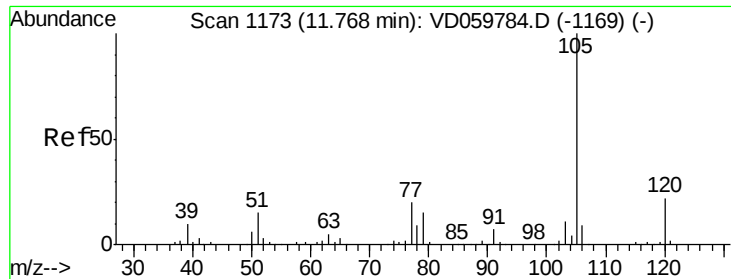


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.95 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

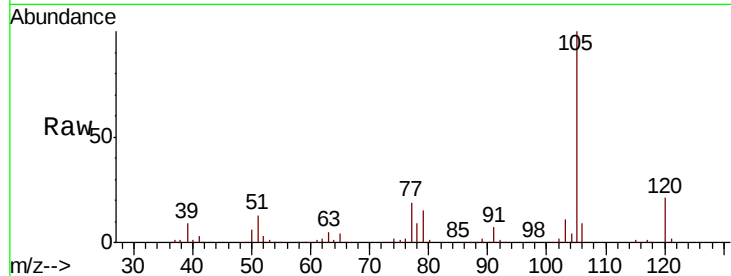
VSTDCCC050EC

Tot Ion:105 Resp: 552018

Ion Ratio Lower Upper

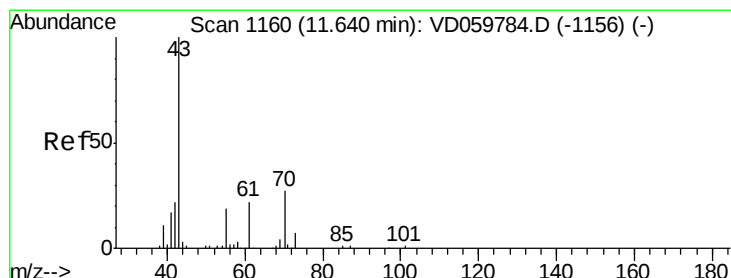
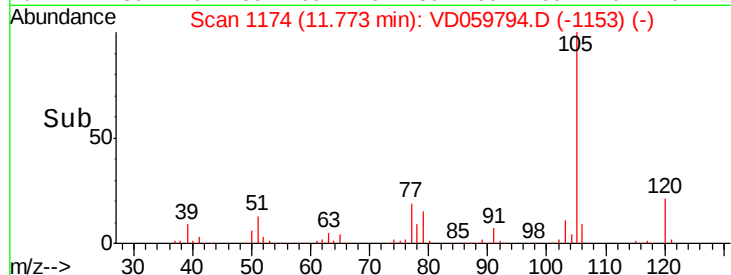
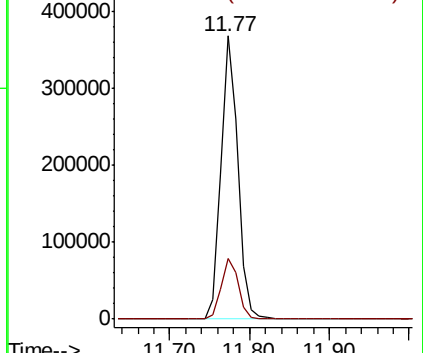
105 100

120 21.4 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.01 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Tgt Ion: 43 Resp: 178848

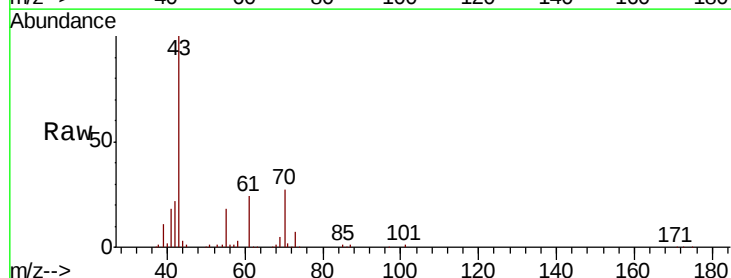
Ion Ratio Lower Upper

43 100

70 26.8 21.8 32.6

55 18.3 15.1 22.7

61 23.8 18.0 27.0

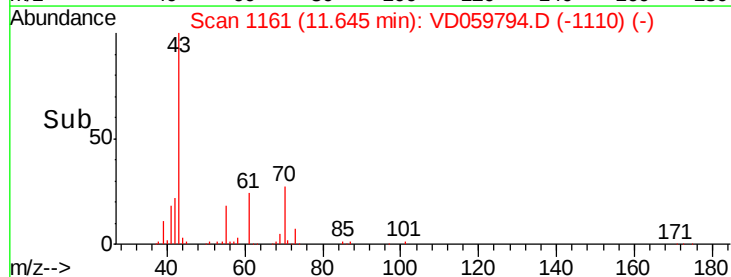
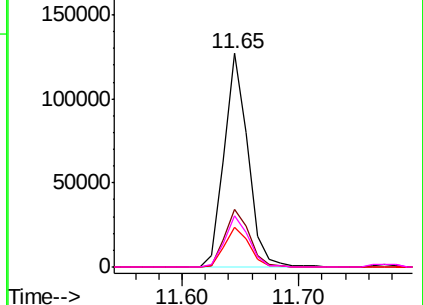


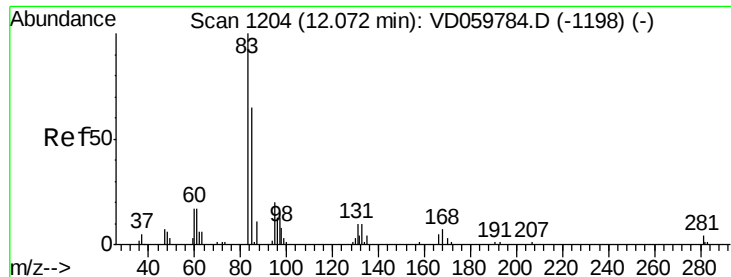
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 52.92 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

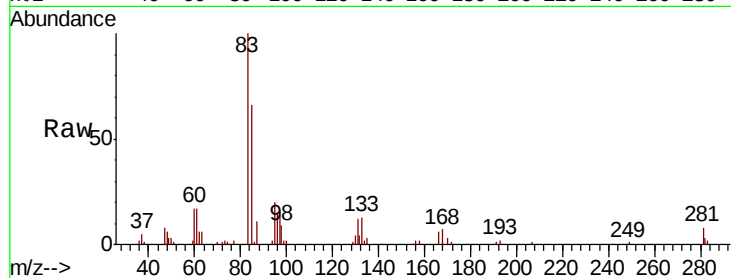
Tot Ion: 83 Resp: 109945

Ion Ratio Lower Upper

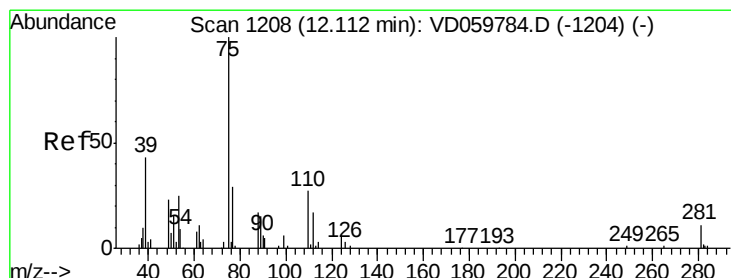
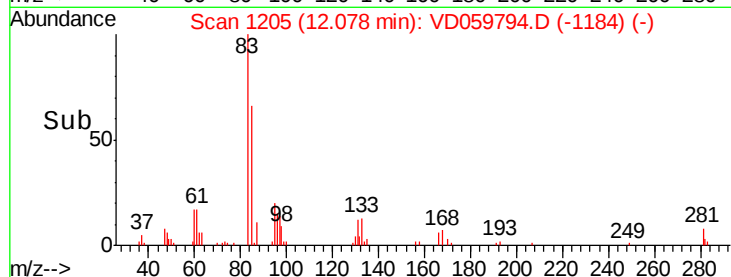
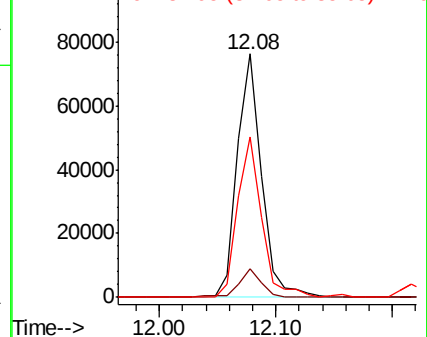
83 100

131 11.6 5.0 15.0

85 66.0 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.84 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059794.D

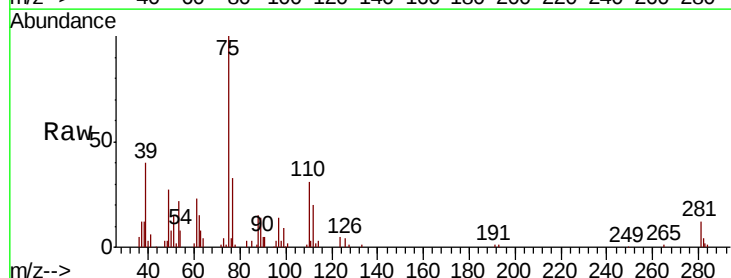
Acq: 15 Aug 2018 6:30

Tgt Ion: 75 Resp: 123428

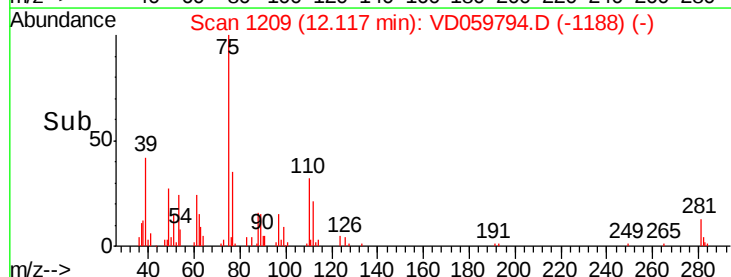
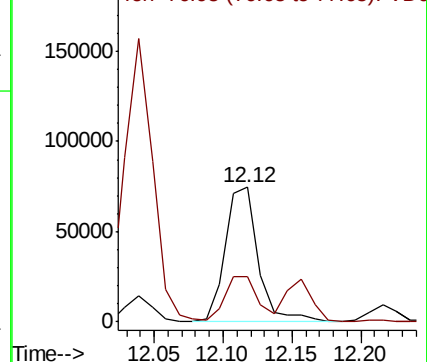
Ion Ratio Lower Upper

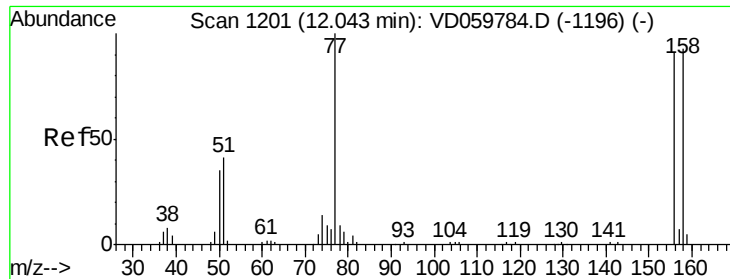
75 100

77 33.3 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: 54.54 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

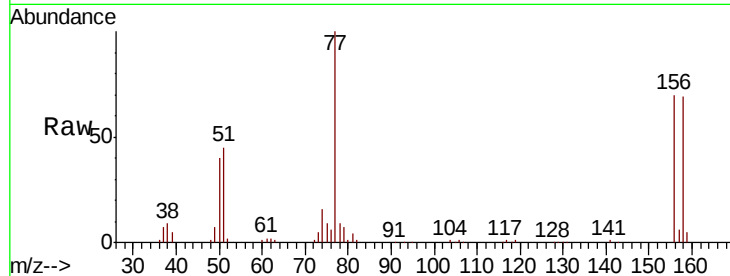
Tot Ion:156 Resp: 159454

Ion Ratio Lower Upper

156 100

77 142.2 54.9 164.8

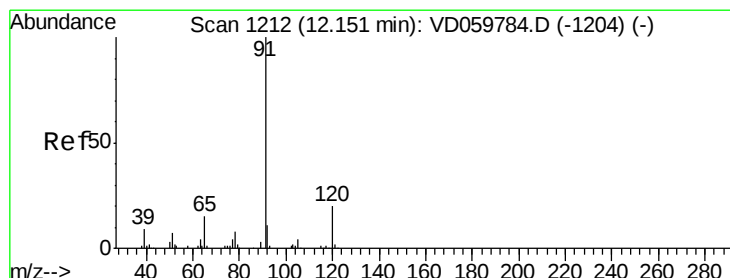
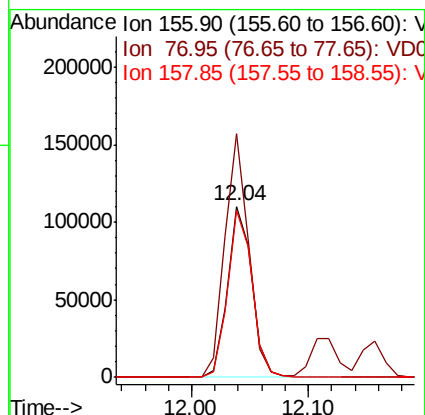
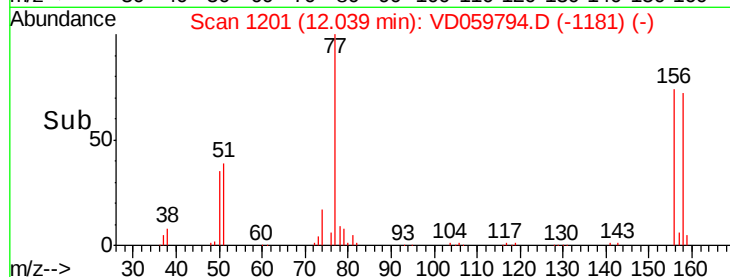
158 97.7 51.2 153.6



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: 54.28 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059794.D

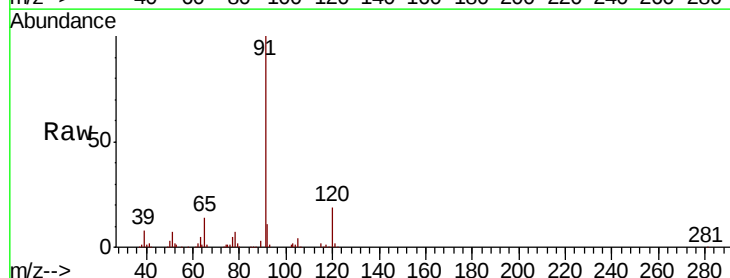
Acq: 15 Aug 2018 6:30

Tgt Ion: 91 Resp: 692733

Ion Ratio Lower Upper

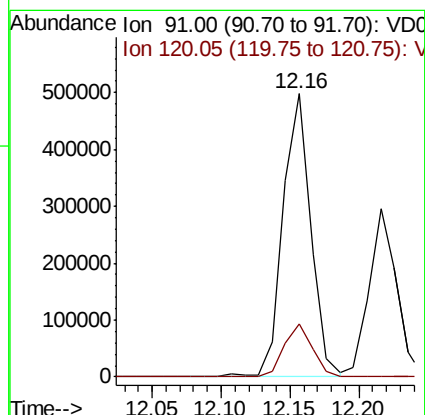
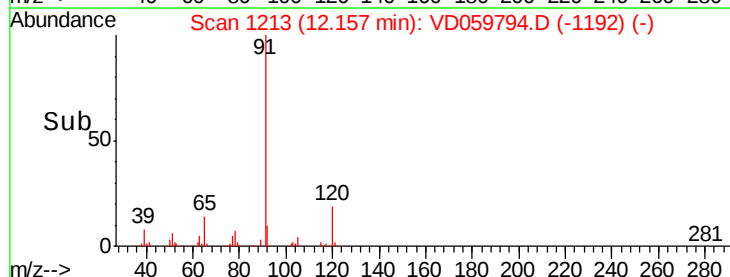
91 100

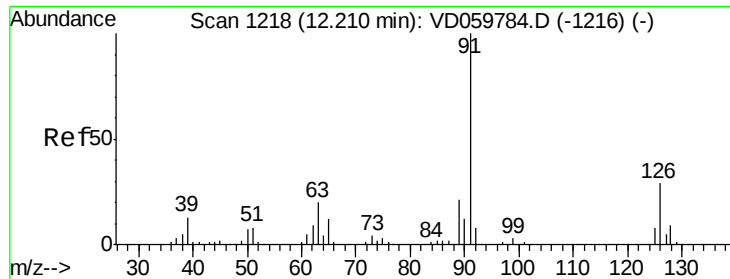
120 18.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

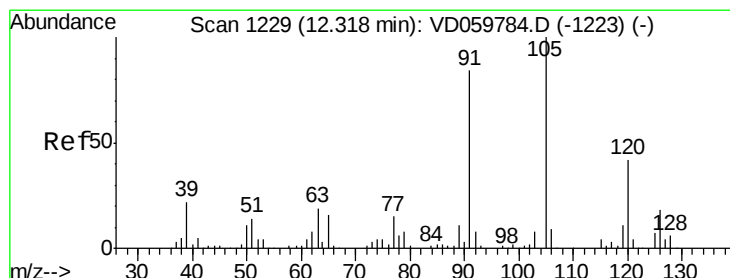
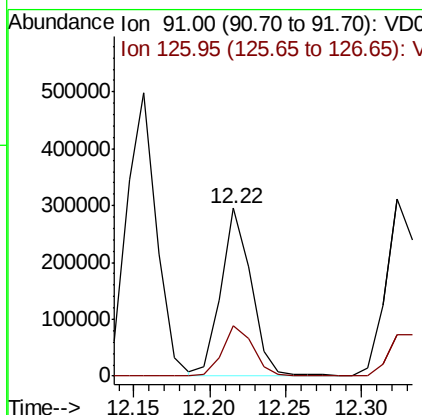
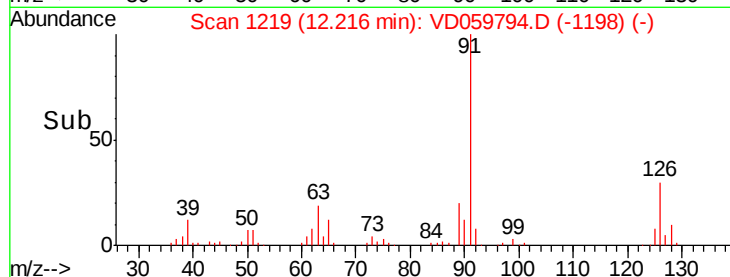
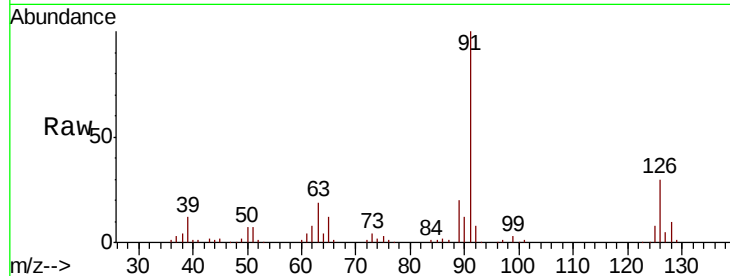




#79
 2-Chlorotoluene
 Concen: 52.71 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

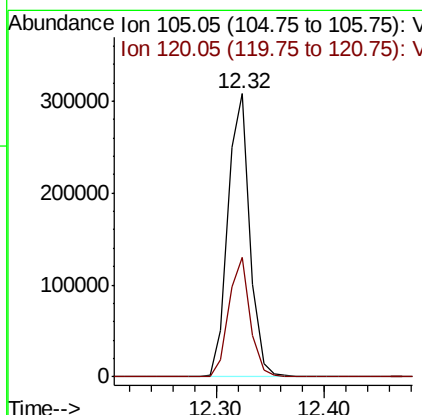
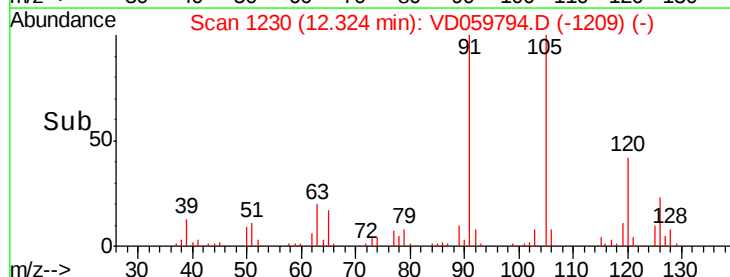
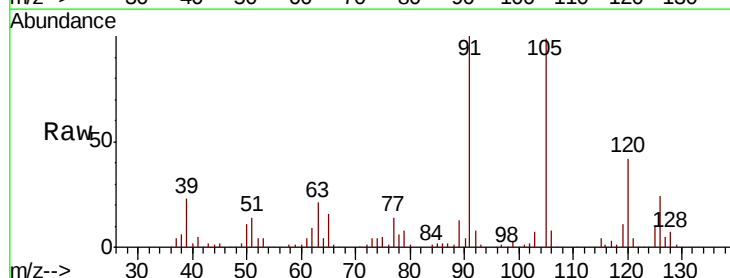
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

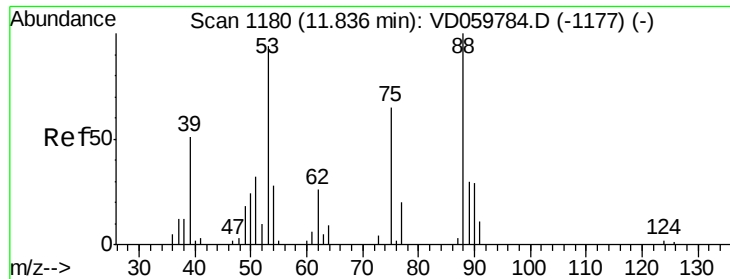
Tot Ion: 91 Resp: 405679
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 52.90 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 105 Resp: 433344
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 59.88 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

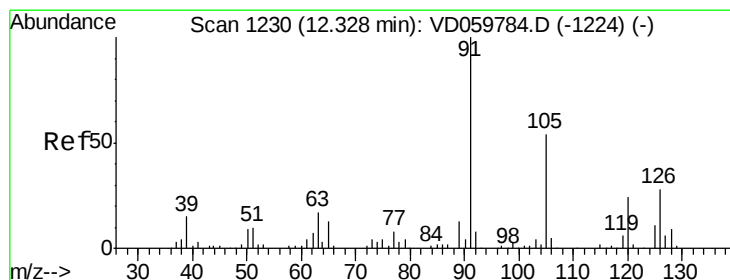
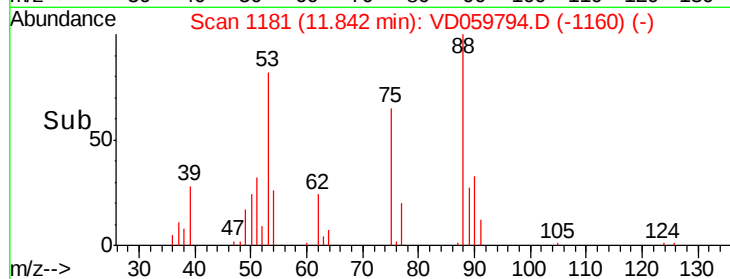
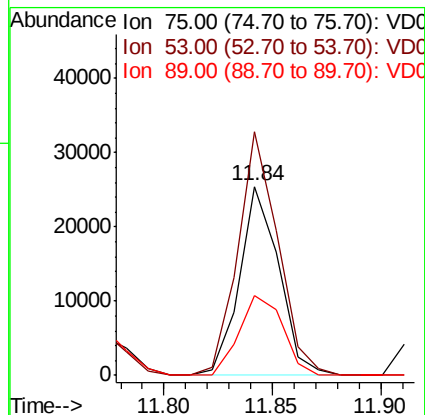
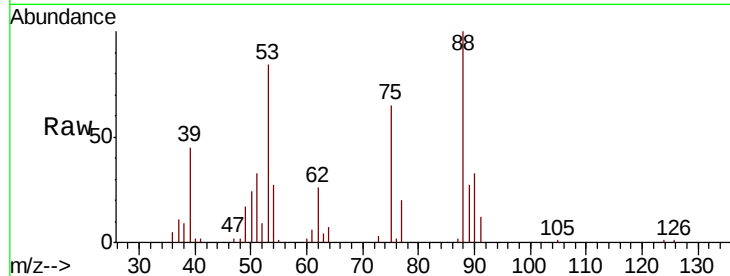
Tot Ion: 75 Resp: 32119

Ion Ratio Lower Upper

75 100

53 129.0 116.2 174.2

89 42.1 37.0 55.6



#82

4-Chlorotoluene

Concen: 51.03 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059794.D

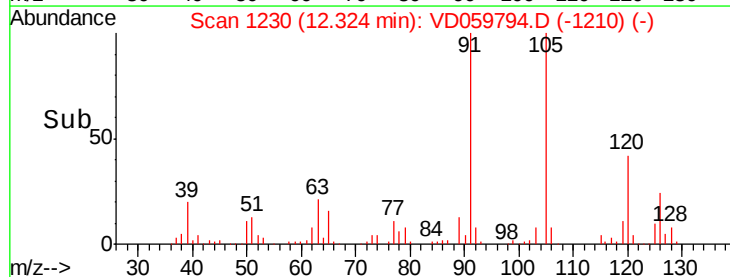
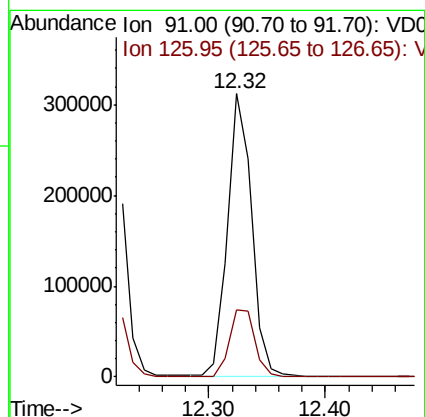
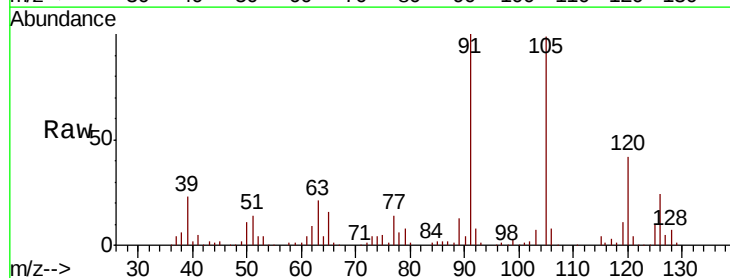
Acq: 15 Aug 2018 6:30

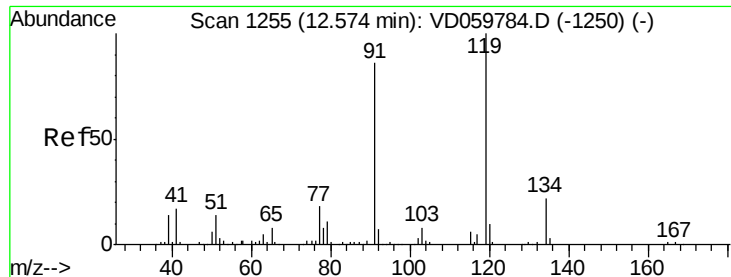
Tgt Ion: 91 Resp: 445758

Ion Ratio Lower Upper

91 100

126 23.6 13.9 41.7

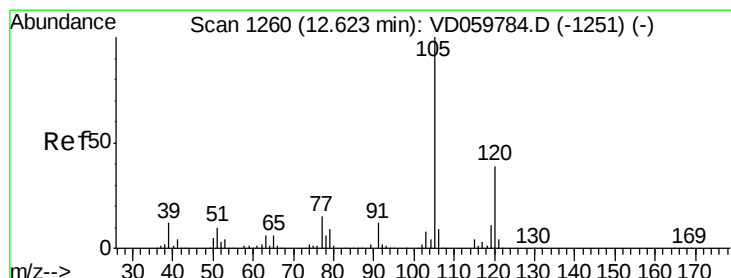
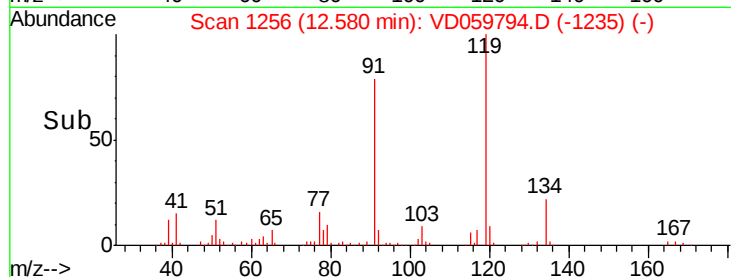
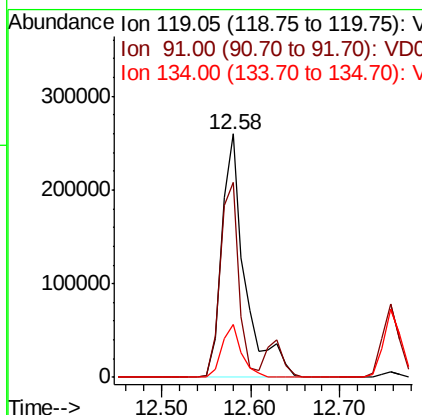
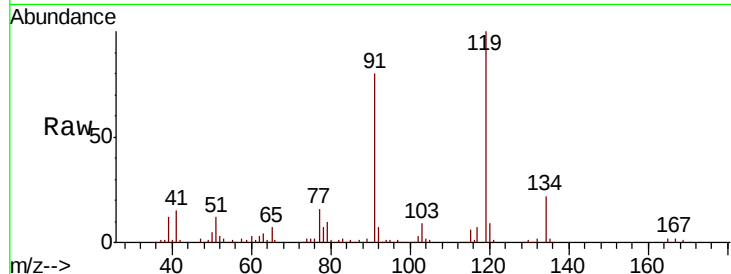




#83
tert-Butylbenzene
Concen: 52.39 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

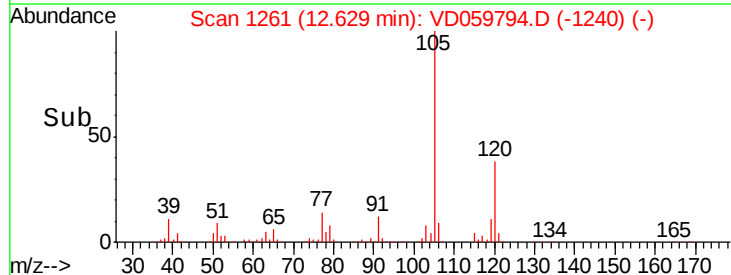
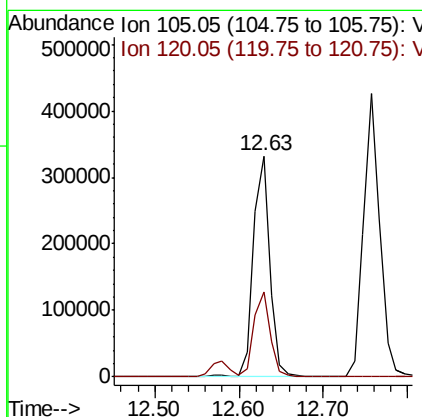
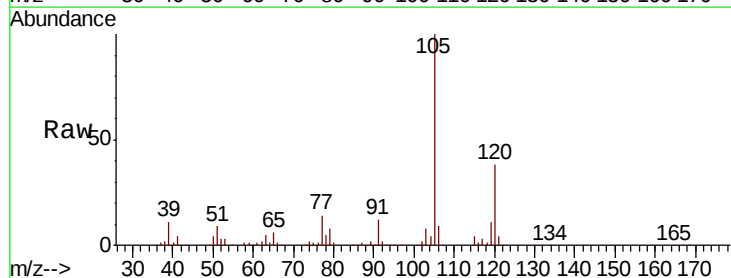
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

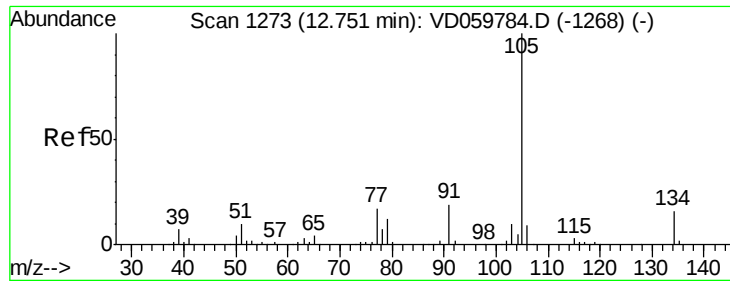
Tot Ion:119 Resp: 474275
Ion Ratio Lower Upper
119 100
91 80.0 43.1 129.3
134 21.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 51.93 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:105 Resp: 458472
Ion Ratio Lower Upper
105 100
120 38.3 19.6 58.8





#85

sec-Butylbenzene

Concen: 54.58 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

Instrument :

MSVOA_D

ClientSampleId :

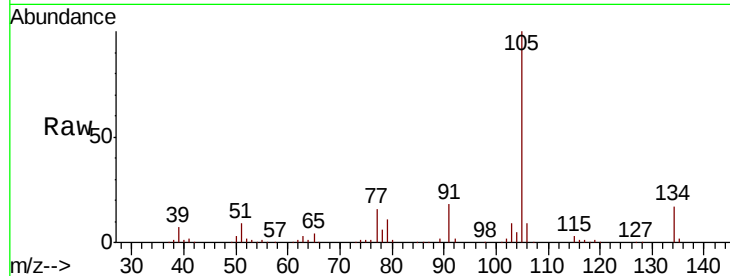
VSTDCCC050EC

Tot Ion:105 Resp: 572684

Ion Ratio Lower Upper

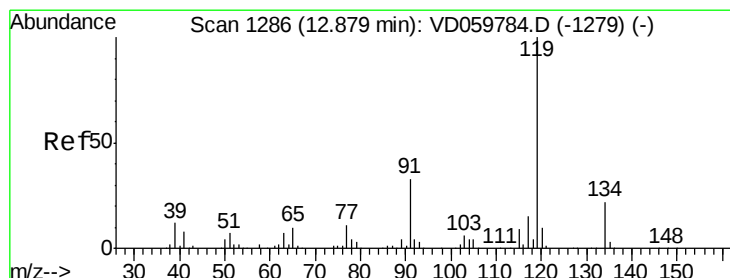
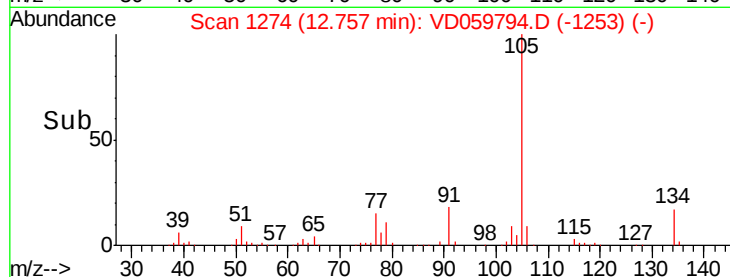
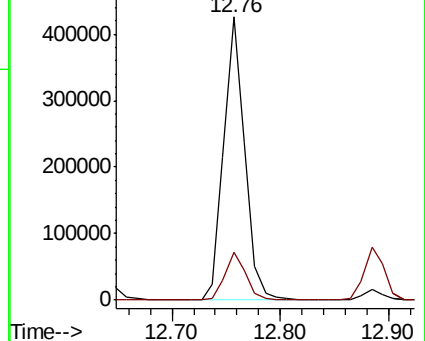
105 100

134 17.0 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.33 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059794.D

Acq: 15 Aug 2018 6:30

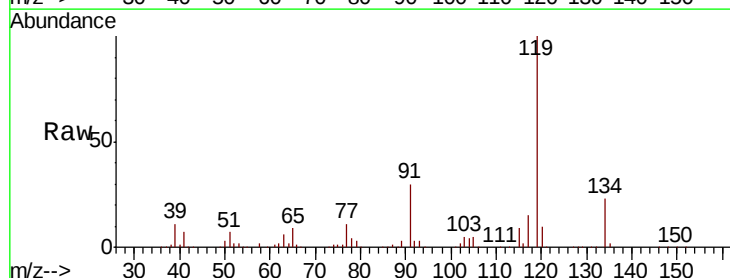
Tgt Ion:119 Resp: 450663

Ion Ratio Lower Upper

119 100

134 22.7 10.9 32.6

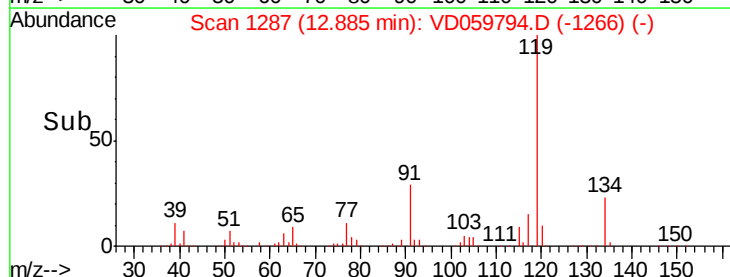
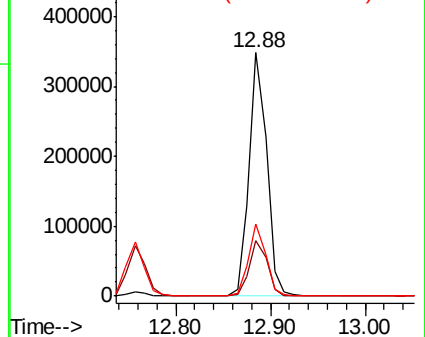
91 29.5 16.4 49.4

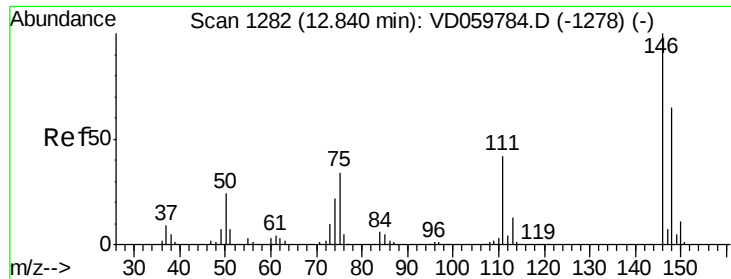


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

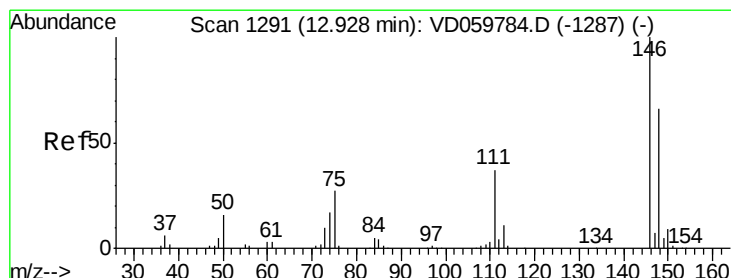
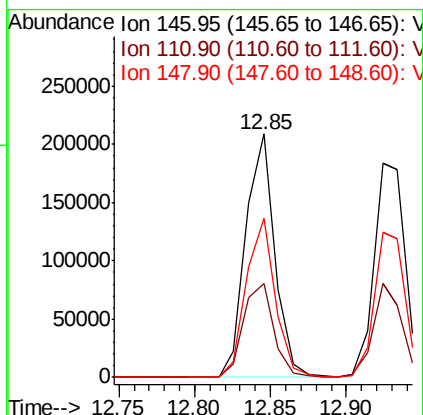
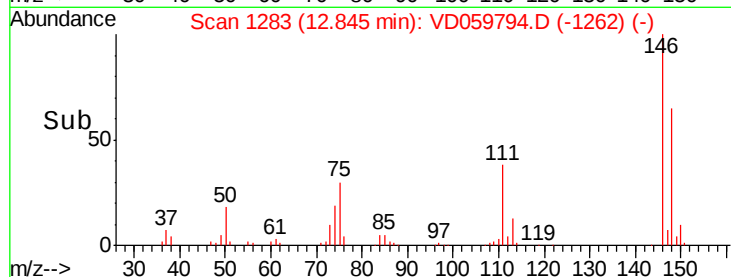
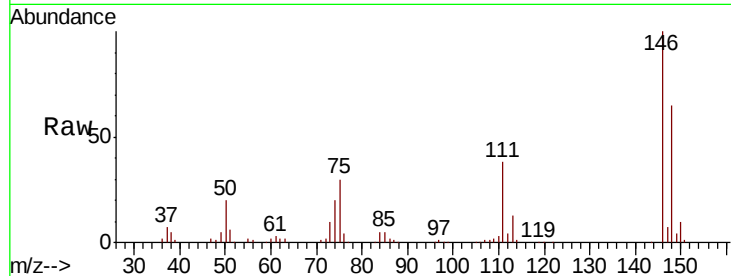




#87
 1,3-Dichlorobenzene
 Concen: 53.37 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

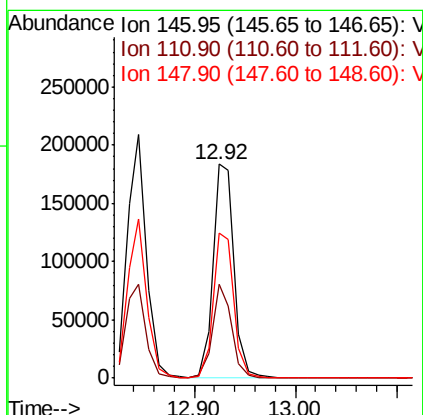
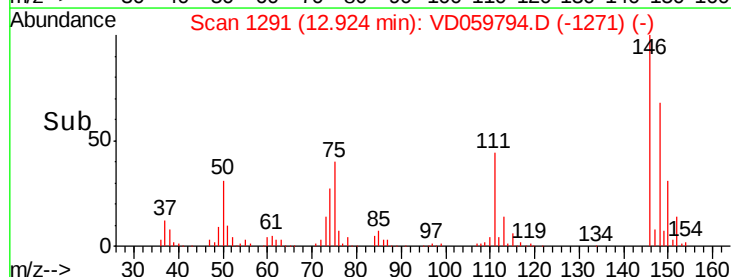
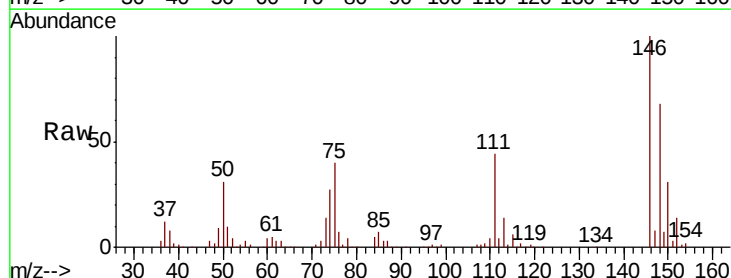
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

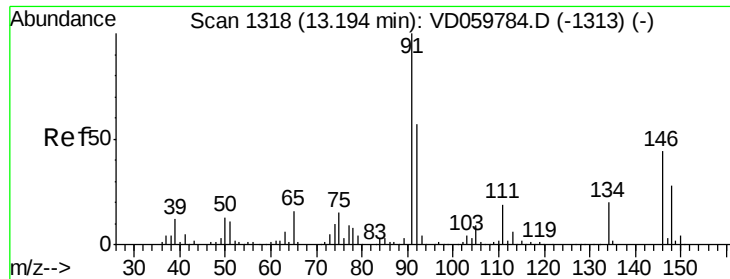
Tot Ion:146 Resp: 279806
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.9 62.8
 148 65.5 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 51.71 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:146 Resp: 268759
 Ion Ratio Lower Upper
 146 100
 111 43.7 18.6 55.6
 148 68.1 33.0 99.0

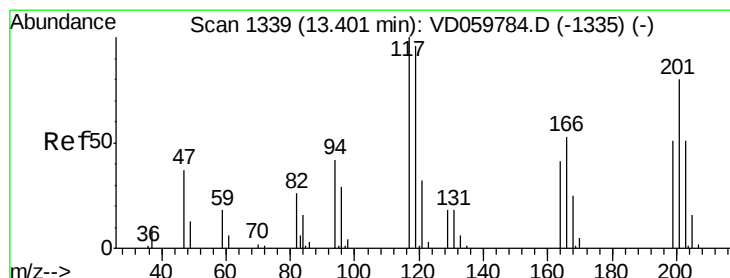
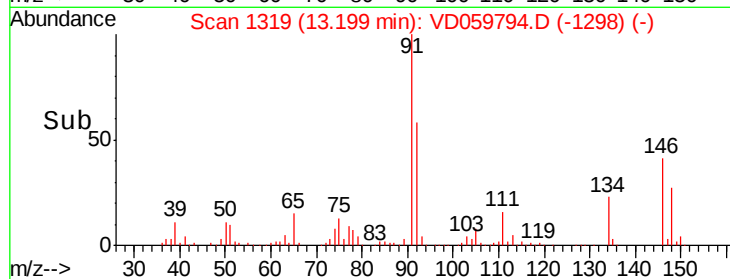
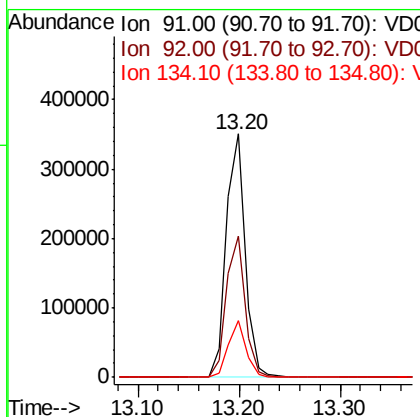
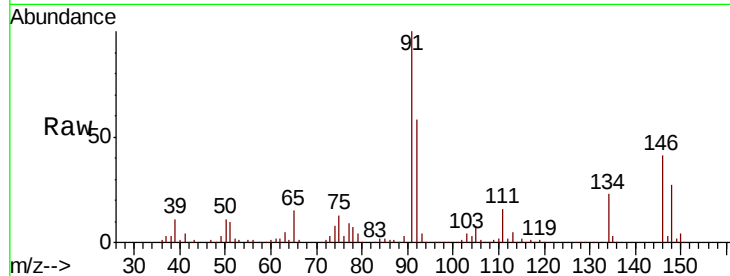




#89
n-Butylbenzene
Concen: 51.69 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

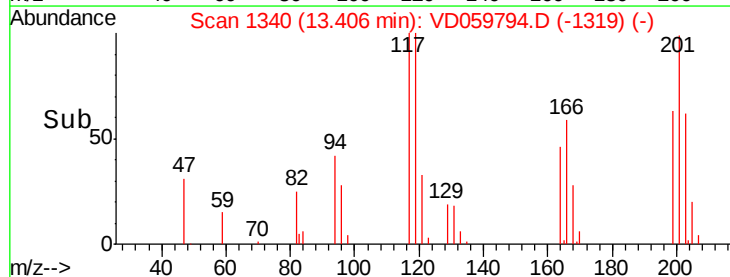
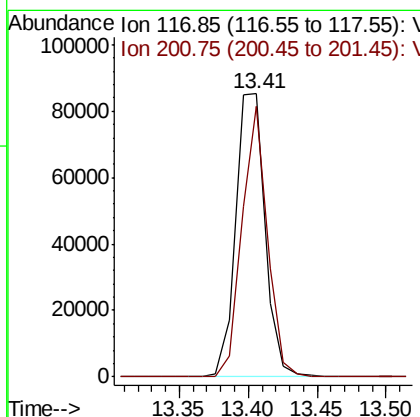
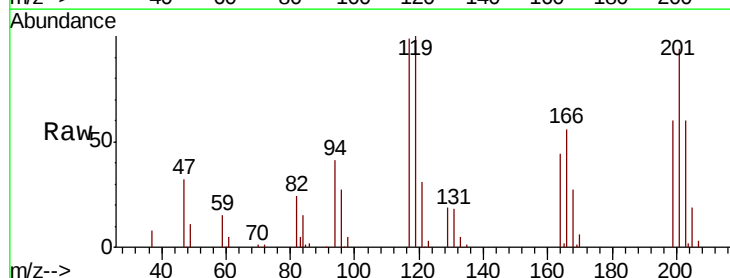
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

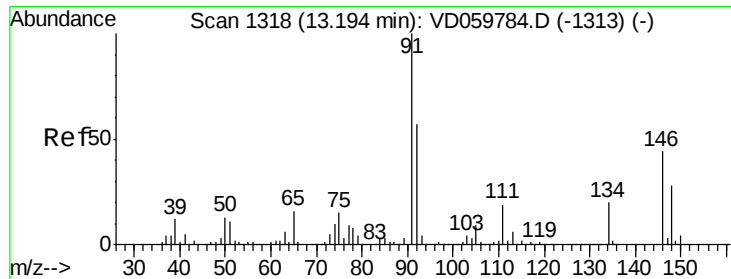
Tot Ion: 91 Resp: 458862
Ion Ratio Lower Upper
91 100
92 58.2 28.4 85.3
134 23.1 10.2 30.4



#90
Hexachloroethane
Concen: 57.53 ug/l
RT: 13.41 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion: 117 Resp: 126743
Ion Ratio Lower Upper
117 100
201 95.5 39.9 119.7

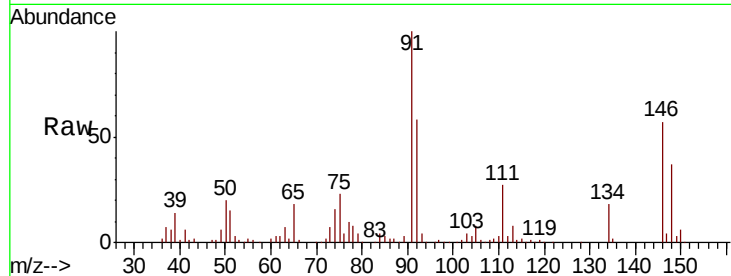




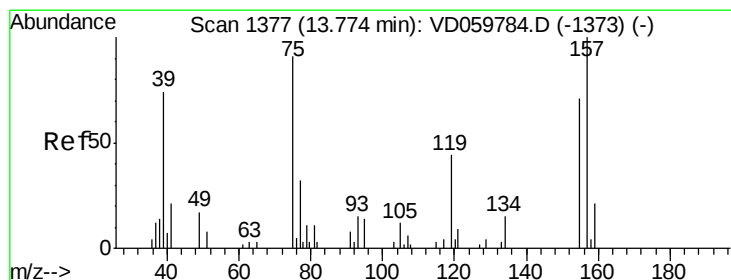
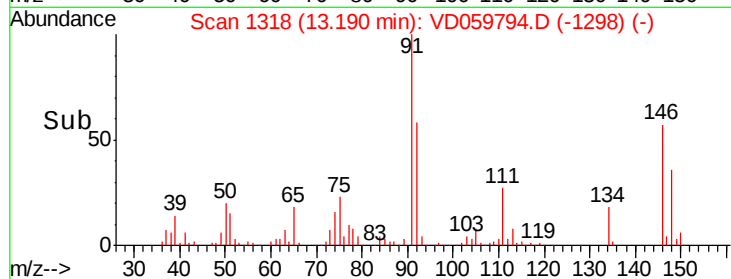
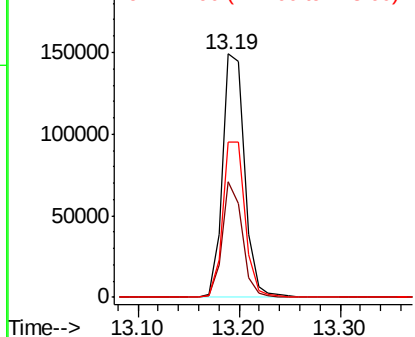
#91
 1,2-Dichlorobenzene
 Concen: 52.79 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 227631
 Ion Ratio Lower Upper
 146 100
 111 47.6 21.1 63.1
 148 63.8 32.0 96.2

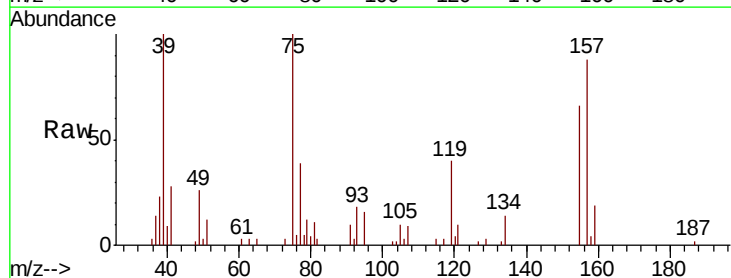


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

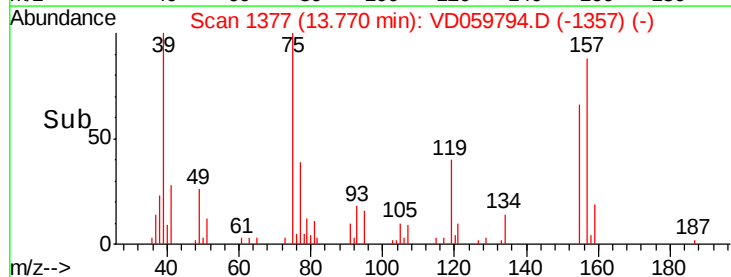
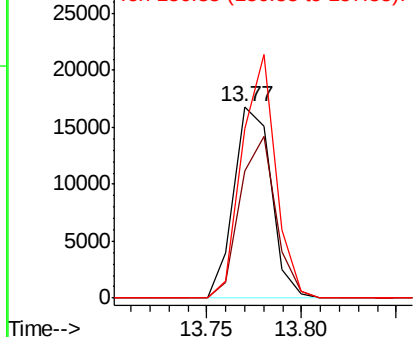


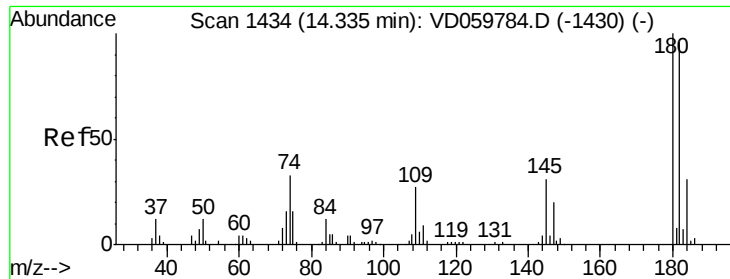
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.75 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion: 75 Resp: 22888
 Ion Ratio Lower Upper
 75 100
 155 66.5 39.0 117.0
 157 88.1 54.8 164.3



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

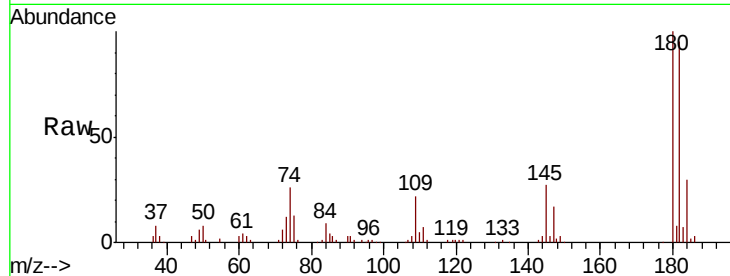




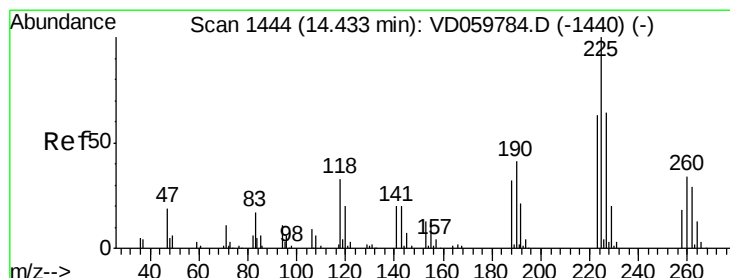
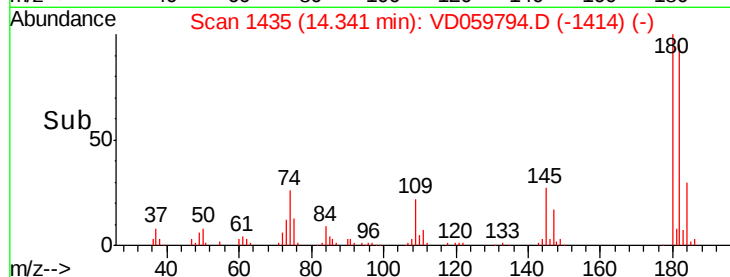
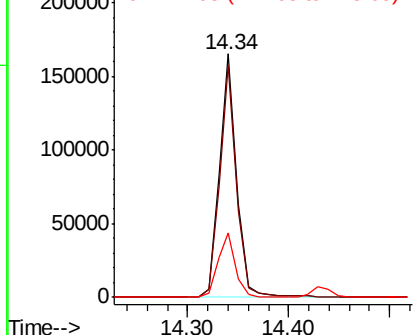
#93
 1,2,4-Trichlorobenzene
 Concen: 55.01 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 198322
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.0
 145 26.6 15.5 46.5

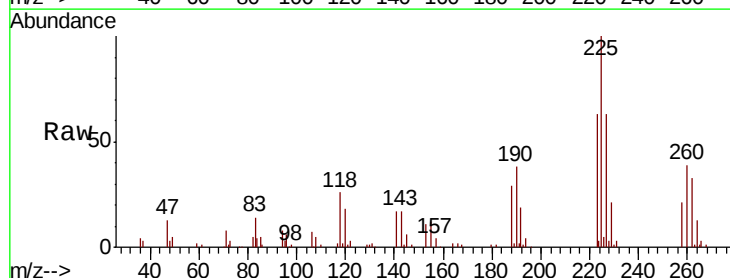


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

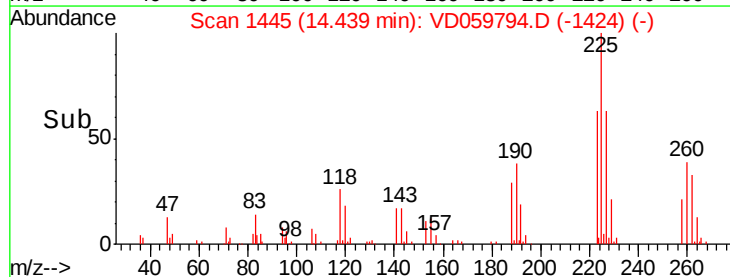
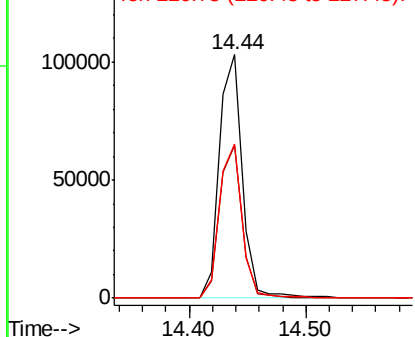


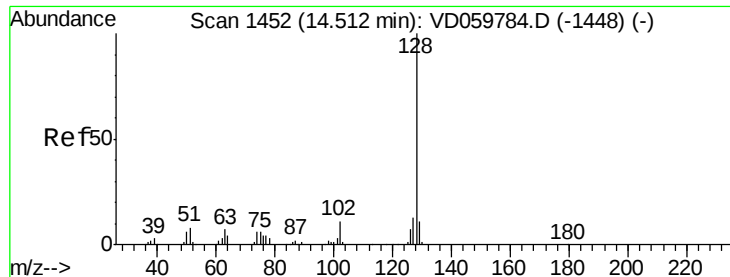
#94
 Hexachlorobutadiene
 Concen: 53.00 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059794.D
 Acq: 15 Aug 2018 6:30

Tgt Ion:225 Resp: 141056
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.2
 227 63.5 32.1 96.5



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

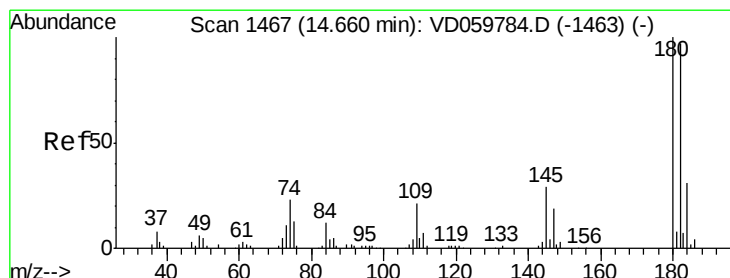
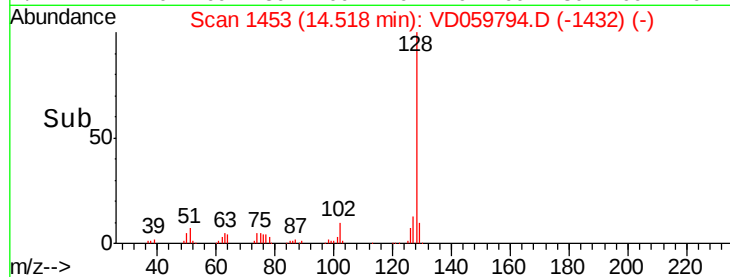
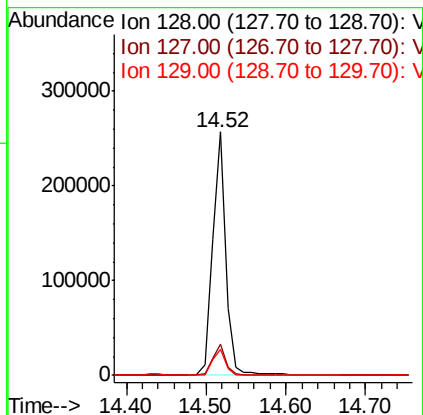
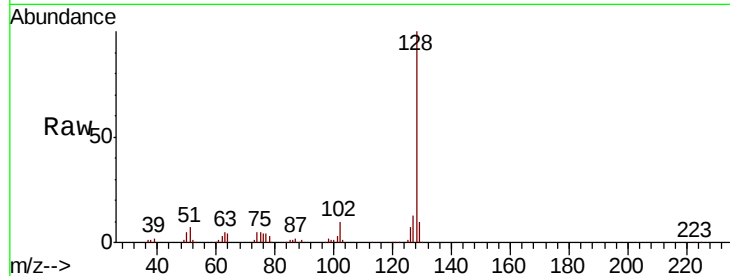




#95
Naphthalene
Concen: 54.36 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 300095
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.5 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 53.54 ug/l
RT: 14.67 min Scan# 1468
Delta R.T. 0.01 min
Lab File: VD059794.D
Acq: 15 Aug 2018 6:30

Tgt Ion:180 Resp: 170351
Ion Ratio Lower Upper
180 100
182 95.0 48.5 145.5
145 26.8 14.3 42.9

