

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058034.D
 Acq On : 8 Jun 2018 22:52
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:58:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	781237	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	1058110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	849579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	421357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	392754	50.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.53	113	418629	51.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.69	98	975409	50.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.92	95	425361	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	542744	51.763	ug/l	99
3) Chloromethane	1.48	50	259308	50.215	ug/l	97
4) Vinyl Chloride	1.55	62	258580	51.730	ug/l	96
5) Bromomethane	1.78	94	107418	54.831	ug/l	95
6) Chloroethane	1.87	64	121048	61.379	ug/l	95
7) Trichlorofluoromethane	2.08	101	400789	58.656	ug/l	100
8) Diethyl Ether	2.34	74	70821	55.794	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.54	101	228417	56.045	ug/l	99
10) Methyl Iodide	2.68	142	296301	56.343	ug/l	95
11) Tert butyl alcohol	3.25	59	74998	358.446	ug/l	99
12) 1,1-Dichloroethene	2.53	96	180478	57.600	ug/l	93
13) Acrolein	2.46	56	66380	221.527	ug/l	98
14) Allyl chloride	2.91	41	382380	52.903	ug/l	99
15) Acrylonitrile	3.35	53	247686	202.352	ug/l	99
16) Acetone	2.60	43	268265	238.400	ug/l	97
17) Carbon Disulfide	2.75	76	606387	53.423	ug/l	99
18) Methyl Acetate	2.93	43	120331	55.279	ug/l	100
19) Methyl tert-butyl Ether	3.39	73	740476	53.709	ug/l	100
20) Methylene Chloride	3.05	84	178049	57.836	ug/l	# 89
21) trans-1,2-Dichloroethene	3.38	96	312775	44.818	ug/l	98
22) Diisopropyl ether	4.06	45	1539372	53.759	ug/l	98
23) Vinyl Acetate	4.00	43	4248402	287.153	ug/l	100
24) 1,1-Dichloroethane	3.96	63	865637	55.005	ug/l	100
25) 2-Butanone	4.83	43	684393	267.621	ug/l	93
26) 2,2-Dichloropropane	4.79	77	631926	48.745	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	447216	54.031	ug/l	97
28) Bromochloromethane	5.13	49	413908	60.768	ug/l	99
29) Tetrahydrofuran	5.17	42	369347	275.516	ug/l	99
30) Chloroform	5.31	83	877463	55.401	ug/l	99
31) Cyclohexane	5.57	56	695469	51.209	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	727212	54.837	ug/l	99
36) 1,1-Dichloropropene	5.73	75	631197	54.145	ug/l	98
37) Ethyl Acetate	4.91	43	353388	55.556	ug/l	98
38) Carbon Tetrachloride	5.71	117	616331	53.645	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	638206	55.226	ug/l	98
40) Benzene	6.00	78	1496021	54.935	ug/l	99
41) Methacrylonitrile	5.11	41	184636	63.482	ug/l	98
42) 1,2-Dichloroethane	6.12	62	587641	53.370	ug/l	99
43) Isopropyl Acetate	7.60	43	436904	52.438	ug/l #	96
44) Trichloroethene	6.97	130	441649	55.521	ug/l	100
45) 1,2-Dichloropropane	7.34	63	419903	55.477	ug/l	94
46) Dibromomethane	7.44	93	269271	55.380	ug/l	93
47) Bromodichloromethane	7.73	83	625726	54.963	ug/l	98
48) Methyl methacrylate	7.49	41	287744	56.111	ug/l	95
49) 1,4-Dioxane	7.47	88	48900	1151.052	ug/l #	90
51) 4-Methyl-2-Pentanone	8.59	43	1456958	272.628	ug/l	98
52) Toluene	8.79	92	823670	52.701	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	552388	56.318	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	640081	55.393	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	273118	53.994	ug/l	96
56) Ethyl methacrylate	9.31	69	342139	55.141	ug/l	97
57) 1,3-Dichloropropane	9.66	76	492070	55.465	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	849398	270.957	ug/l	98
59) 2-Hexanone	9.78	43	1064723	271.865	ug/l	99
60) Dibromochloromethane	9.94	129	411140	57.640	ug/l	96
61) 1,2-Dibromoethane	10.08	107	320573	55.110	ug/l	94
64) Tetrachloroethene	9.50	164	424998	55.956	ug/l	94
65) Chlorobenzene	10.71	112	918533	53.406	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	348256	52.703	ug/l	97
67) Ethyl Benzene	10.85	91	1630918	52.488	ug/l	100
68) m/p-Xylenes	11.01	106	1062474	104.888	ug/l	99
69) o-Xylene	11.40	106	526638	52.377	ug/l	98
70) Styrene	11.42	104	903834	54.301	ug/l	98
71) Bromoform	11.59	173	294304	59.205	ug/l #	98
73) Isopropylbenzene	11.77	105	1545001	55.359	ug/l	99
74) N-amyl acetate	11.64	43	611887	56.818	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	335192	55.087	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	352453	55.685	ug/l	98
77) Bromobenzene	12.03	156	459043	55.567	ug/l	92
78) n-propylbenzene	12.15	91	1952996	53.778	ug/l	98
79) 2-Chlorotoluene	12.21	91	1118962	54.009	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1132796	52.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	94534	60.301	ug/l	93
82) 4-Chlorotoluene	12.32	91	1190037	59.679	ug/l	99
83) tert-Butylbenzene	12.57	119	1288186	52.417	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	1237785	52.893	ug/l	100
85) sec-Butylbenzene	12.75	105	1573140	53.040	ug/l	100
86) p-Isopropyltoluene	12.88	119	1244138	52.045	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	777757	55.656	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	747225	54.881	ug/l	93
89) n-Butylbenzene	13.19	91	1292175	60.970	ug/l	100
90) Hexachloroethane	13.39	117	353867	57.998	ug/l	62
91) 1,2-Dichlorobenzene	13.18	146	596009	52.776	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	57354	61.074	ug/l	93

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Response via : Initial Calibration

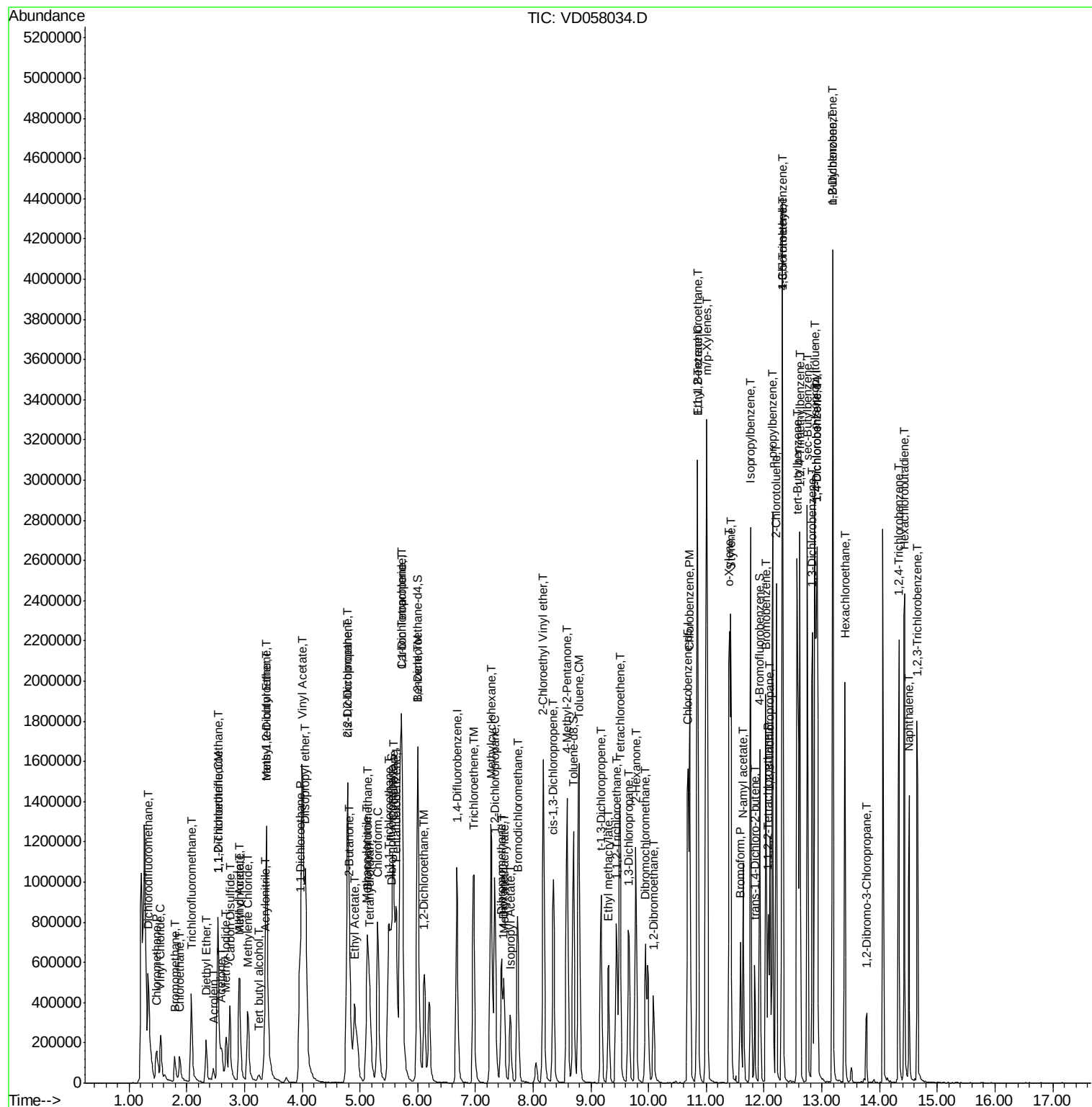
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	563697	53.428	ug/l	97
94) Hexachlorobutadiene	14.43	225	472957	56.991	ug/l	98
95) Naphthalene	14.51	128	791326	58.172	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	484067	53.836	ug/l	97

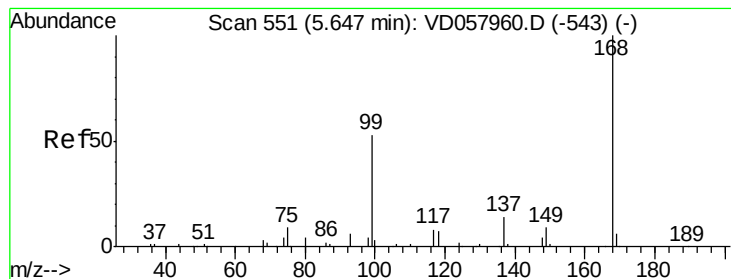
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 08 23:38:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

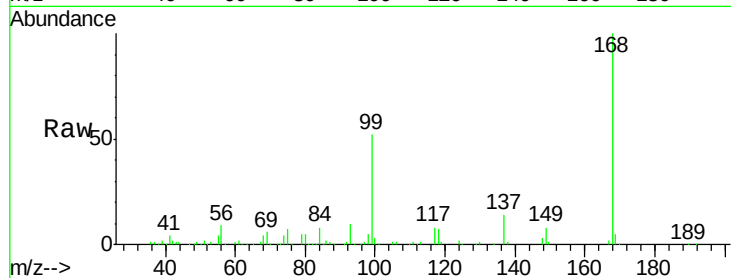
ClientSampleId :

Tot Ion:168 Resp: 781237

Ion Ratio Lower Upper

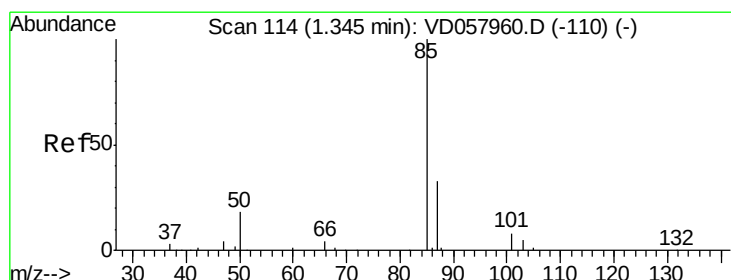
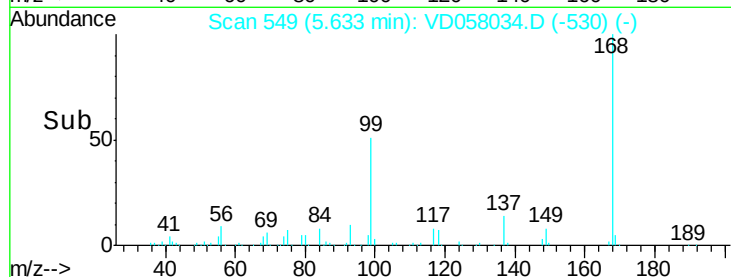
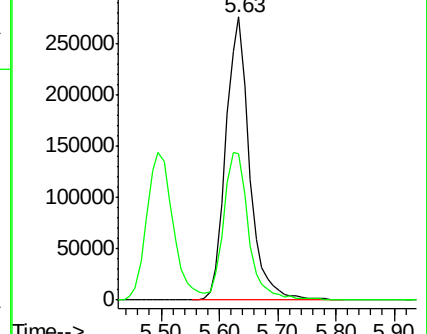
168 100

99 51.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.763 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058034.D

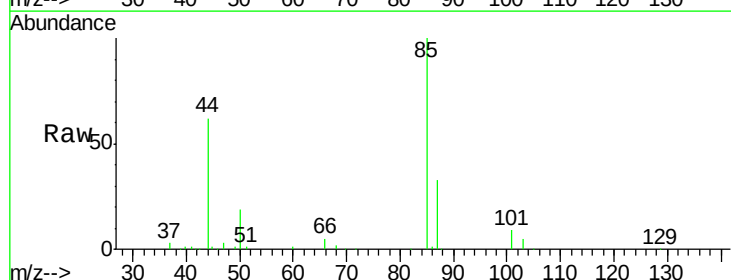
Acq: 8 Jun 2018 22:52

Tgt Ion: 85 Resp: 542744

Ion Ratio Lower Upper

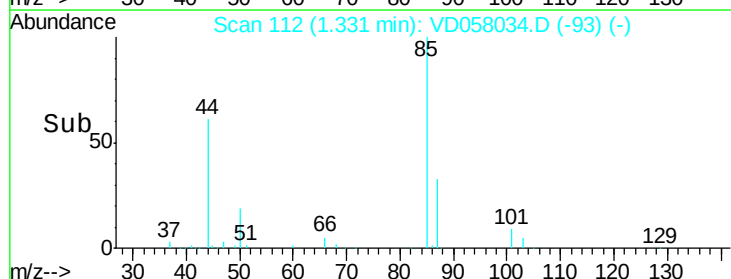
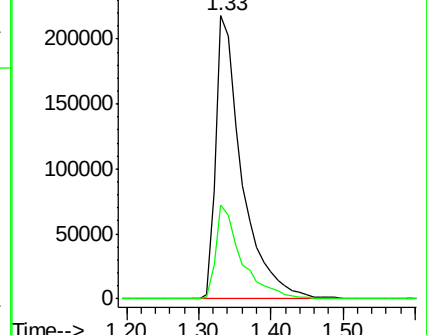
85 100

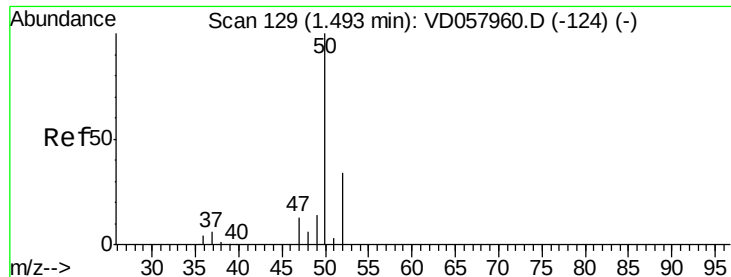
87 33.3 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.215 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

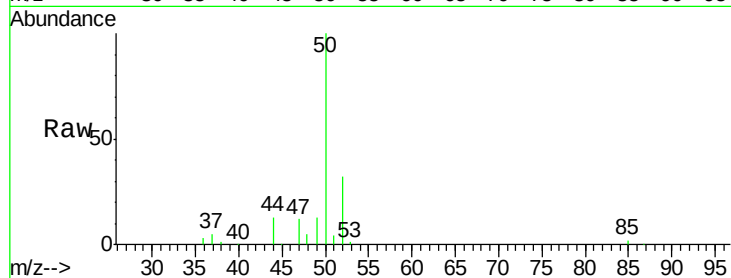
ClientSampleId :

Tot Ion: 50 Resp: 259308

Ion Ratio Lower Upper

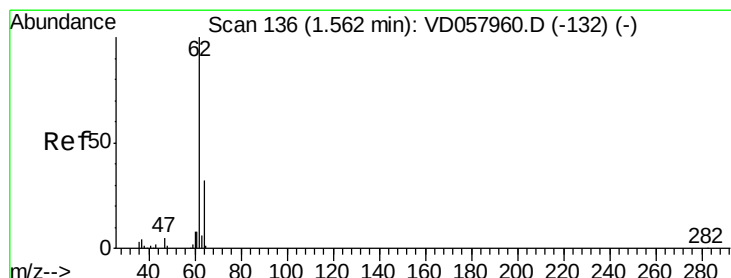
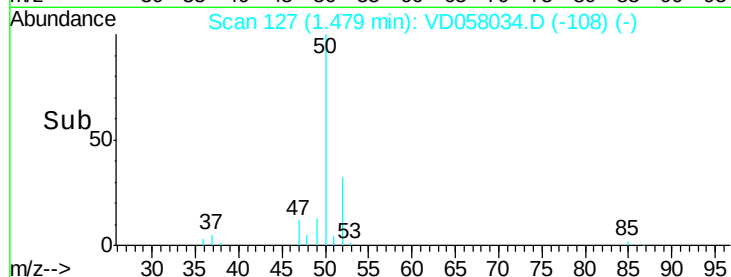
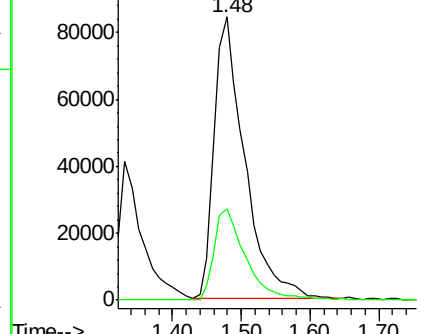
50 100

52 32.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.730 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058034.D

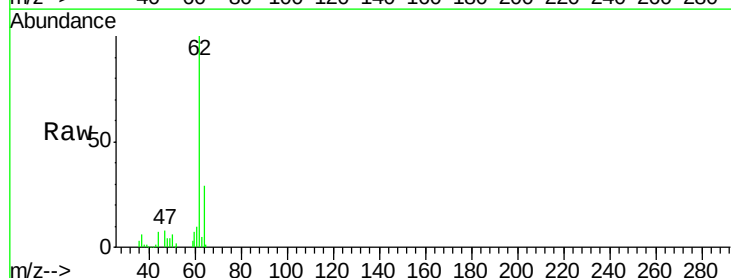
Acq: 8 Jun 2018 22:52

Tgt Ion: 62 Resp: 258580

Ion Ratio Lower Upper

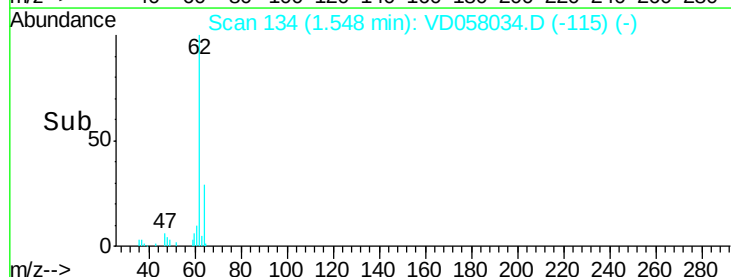
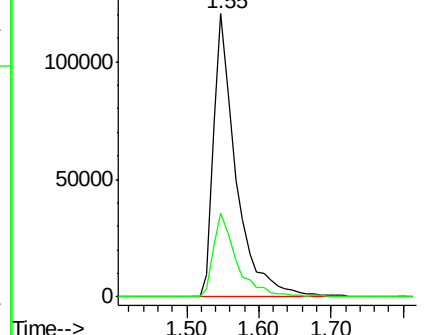
62 100

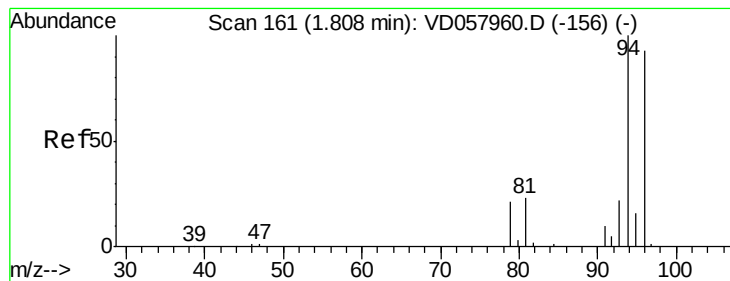
64 29.4 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.831 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

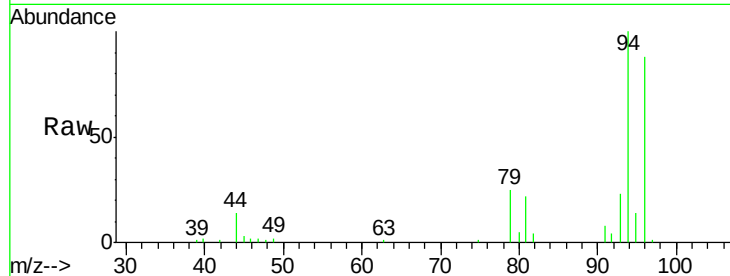
ClientSampleId :

Tot Ion: 94 Resp: 107418

Ion Ratio Lower Upper

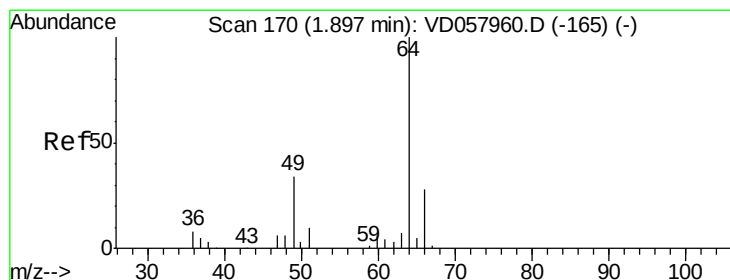
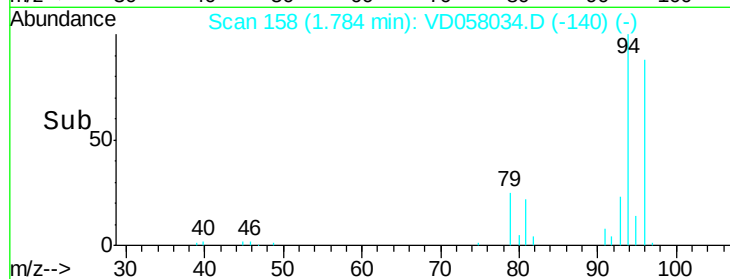
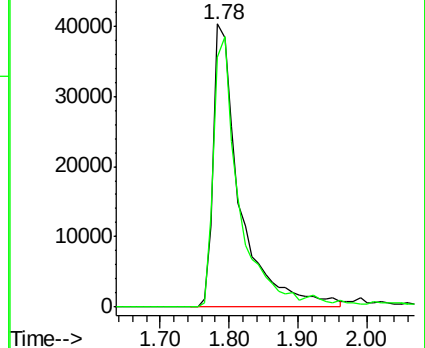
94 100

96 88.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 61.379 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD058034.D

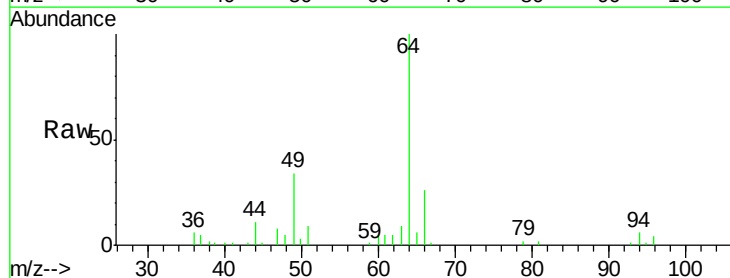
Acq: 8 Jun 2018 22:52

Tgt Ion: 64 Resp: 121048

Ion Ratio Lower Upper

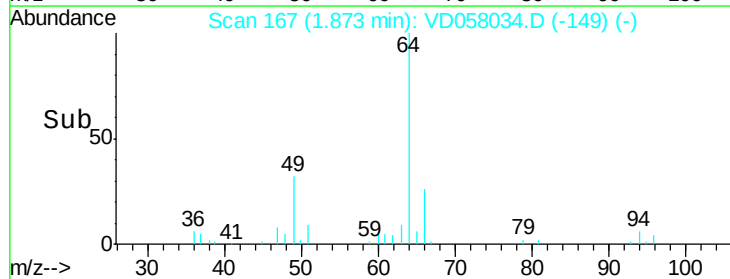
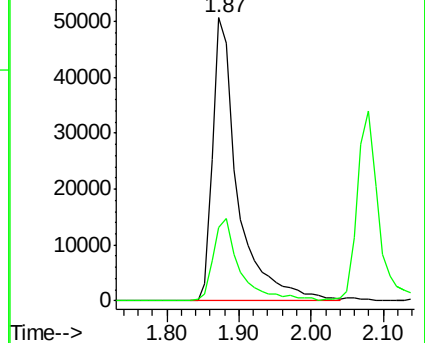
64 100

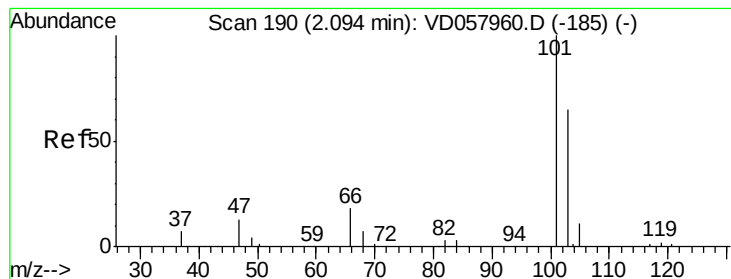
66 26.0 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



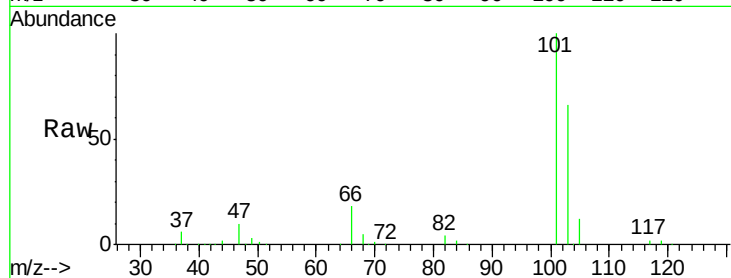


#7

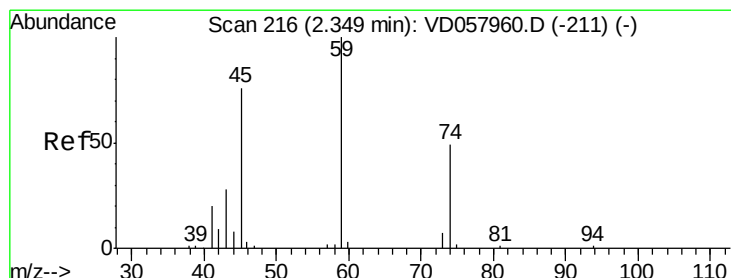
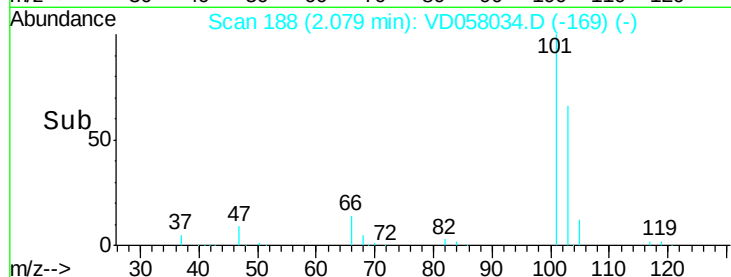
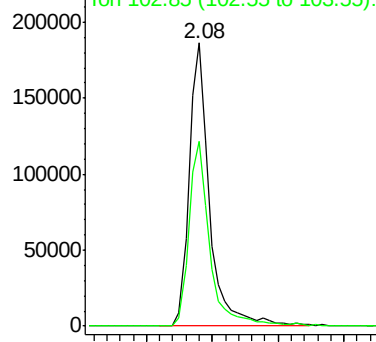
Trichlorofluoromethane
Concen: 58.656 ug/l
RT: 2.08 min Scan# 188
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 400789
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6



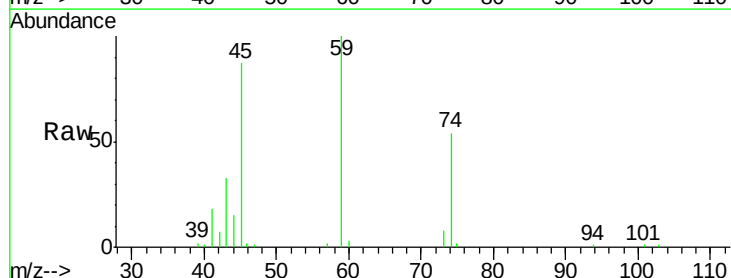
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



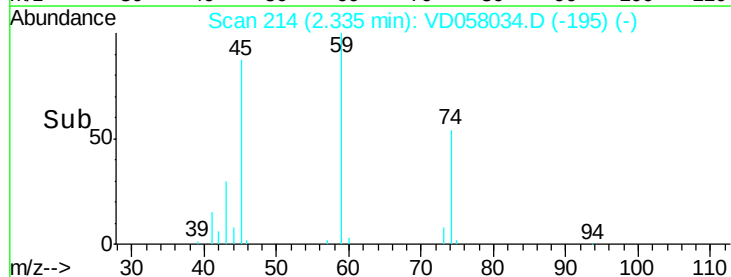
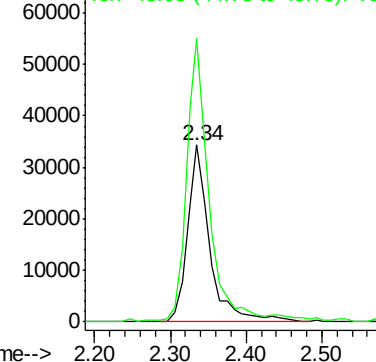
#8

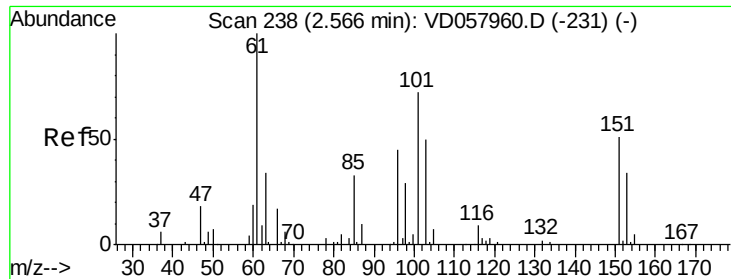
Diethyl Ether
Concen: 55.794 ug/l
RT: 2.34 min Scan# 214
Delta R.T. -0.01 min
Lab File: VD058034.D
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Tgt Ion: 74 Resp: 70821
Ion Ratio Lower Upper
74 100
45 159.9 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.045 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

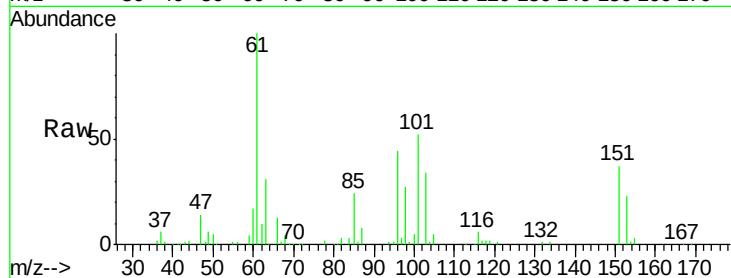
Tot Ion:101 Resp: 228417

Ion Ratio Lower Upper

101 100

85 47.1 37.3 55.9

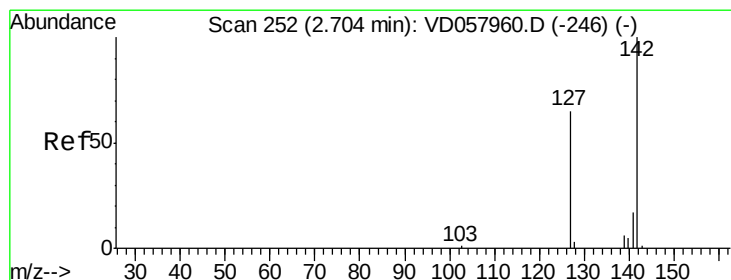
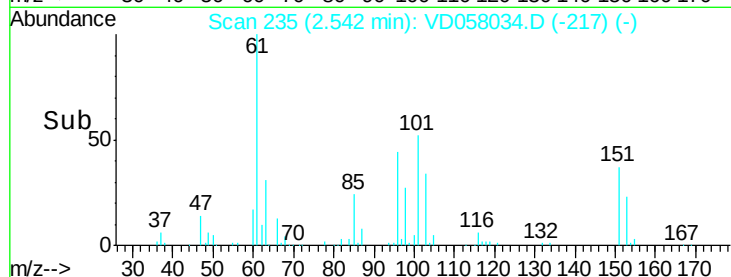
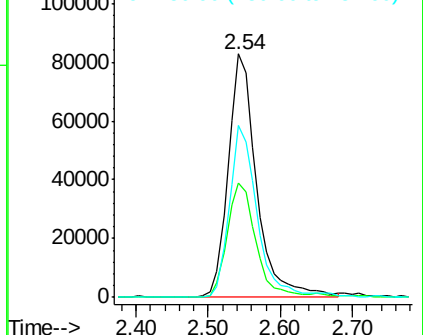
151 70.5 57.0 85.6



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: 56.343 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

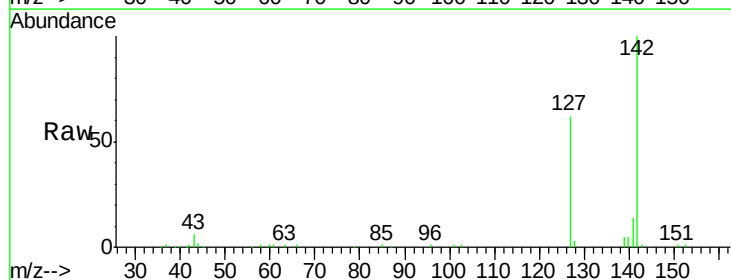
Tgt Ion:142 Resp: 296301

Ion Ratio Lower Upper

142 100

127 61.9 52.0 78.0

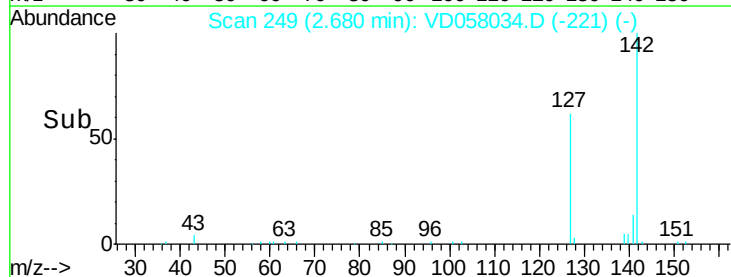
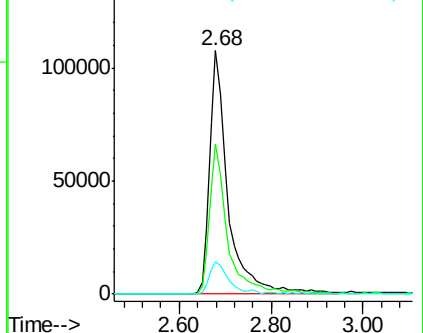
141 13.5 13.2 19.8

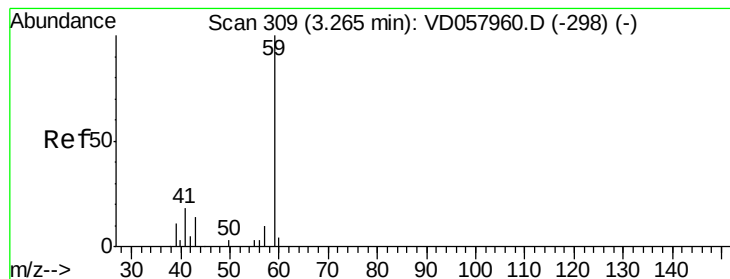


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



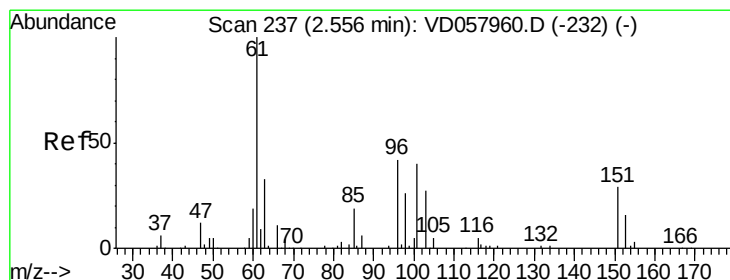
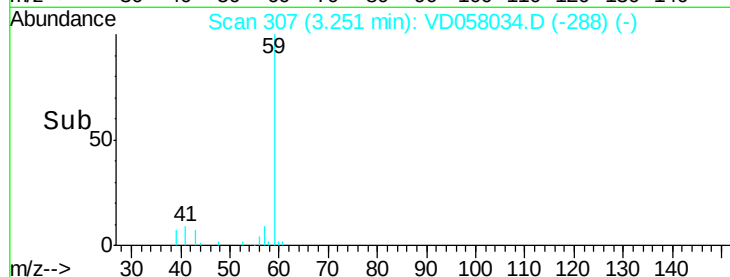
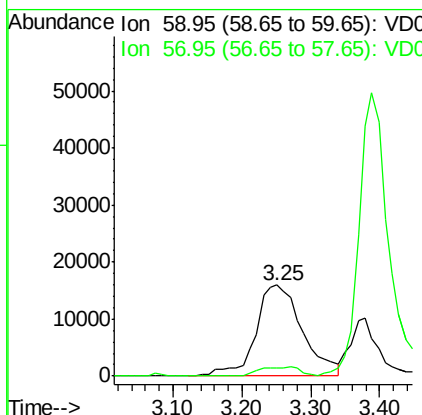
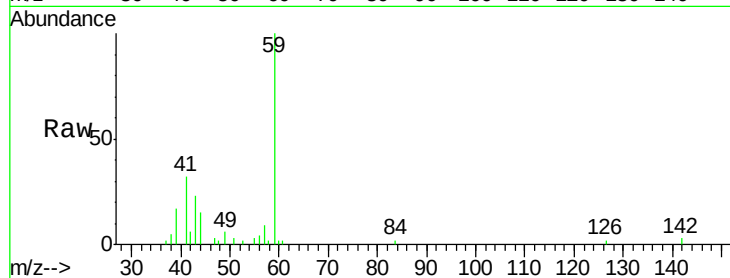


#11

Tert butyl alcohol
Concen: 358.446 ug/l
RT: 3.25 min Scan# 307
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

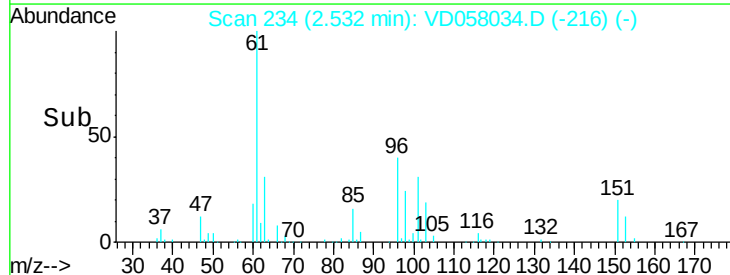
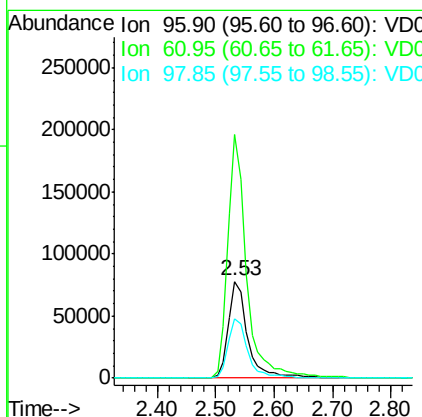
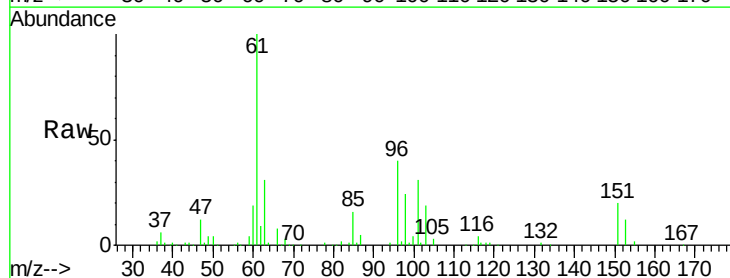
Tot Ion: 59 Resp: 74998
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.6

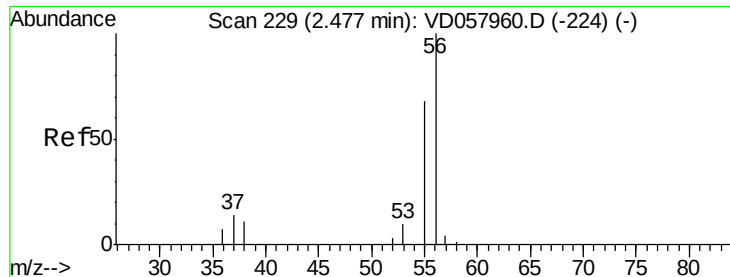


#12

1,1-Dichloroethene
Concen: 57.600 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 96 Resp: 180478
Ion Ratio Lower Upper
96 100
61 251.8 190.2 285.4
98 61.5 49.6 74.4





#13

Acrolein

Concen: 221.527 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

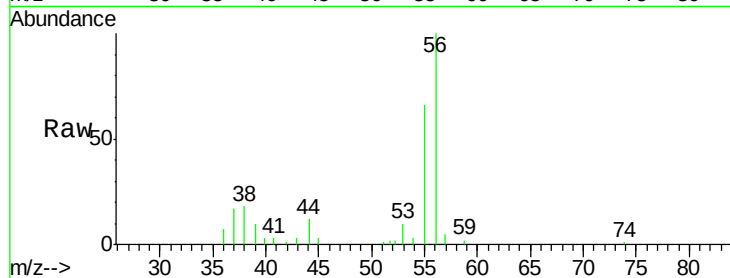
ClientSampleId :

Tot Ion: 56 Resp: 66380

Ion Ratio Lower Upper

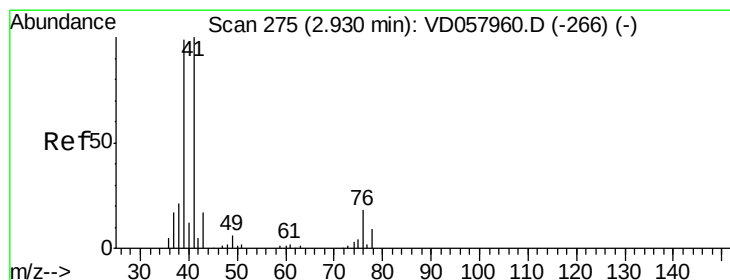
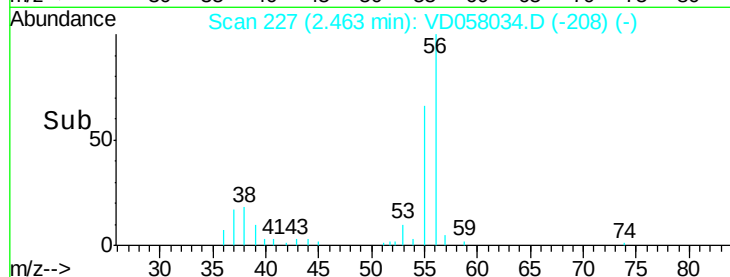
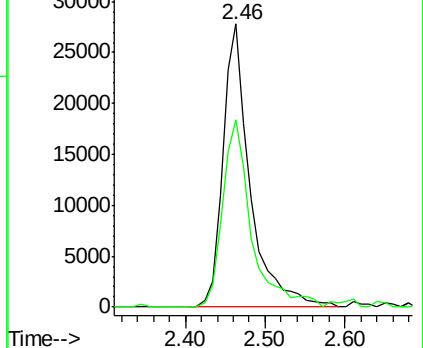
56 100

55 66.1 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.903 ug/l

RT: 2.91 min Scan# 272

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

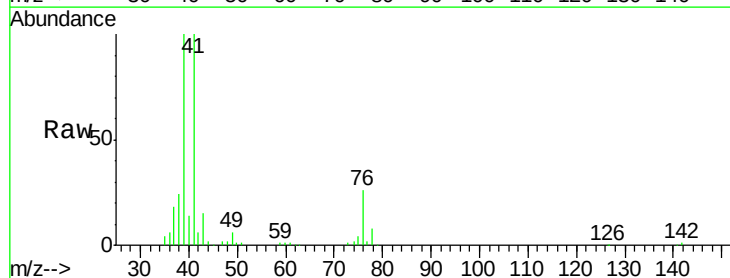
Tgt Ion: 41 Resp: 382380

Ion Ratio Lower Upper

41 100

39 100.5 79.5 119.3

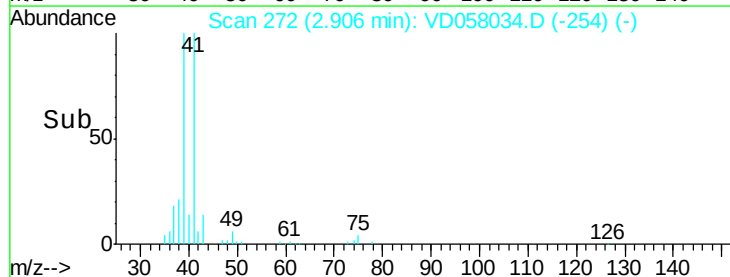
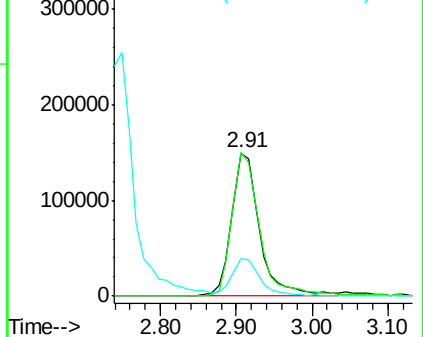
76 26.2 20.7 31.1

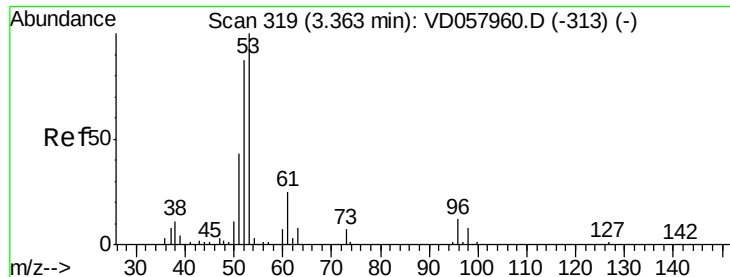


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 202.352 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

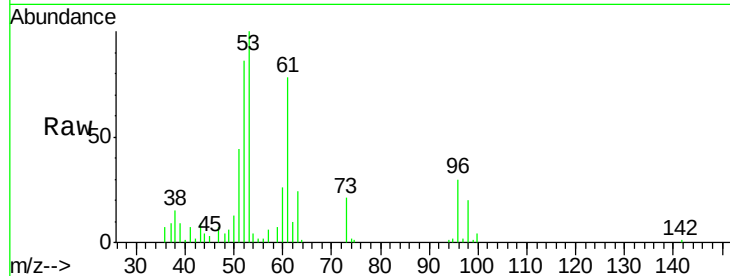
Tot Ion: 53 Resp: 247686

Ion Ratio Lower Upper

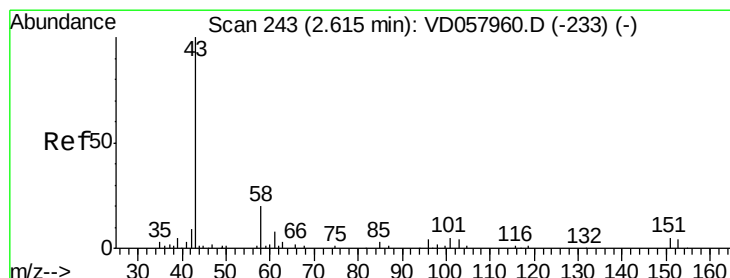
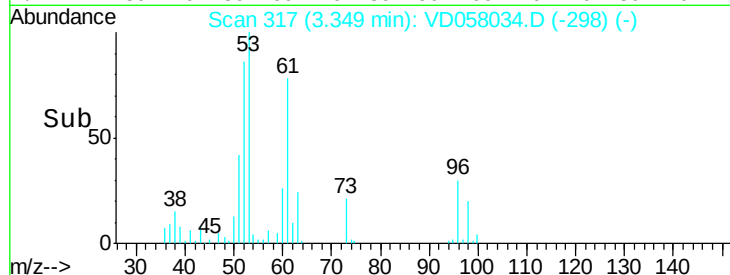
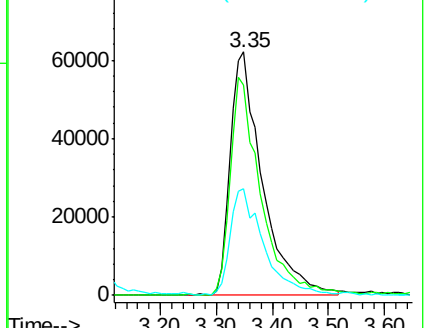
53 100

52 86.4 69.9 104.9

51 43.7 34.3 51.5



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: 238.400 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058034.D

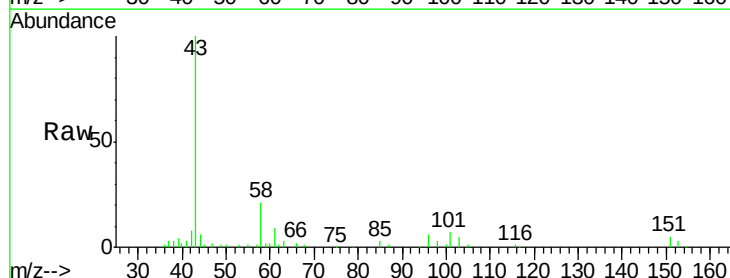
Acq: 8 Jun 2018 22:52

Tgt Ion: 43 Resp: 268265

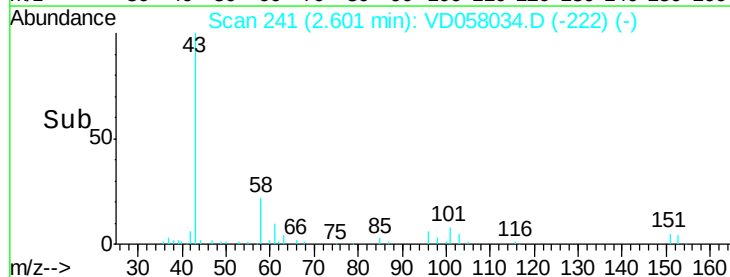
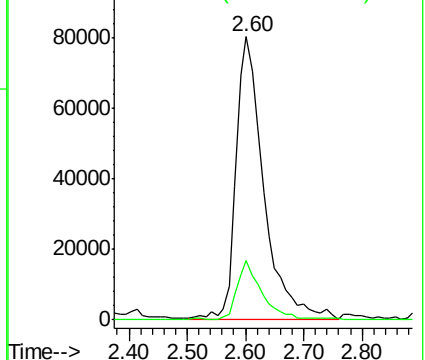
Ion Ratio Lower Upper

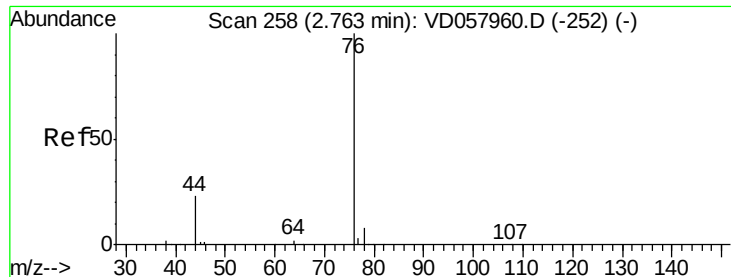
43 100

58 21.1 15.8 23.8



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

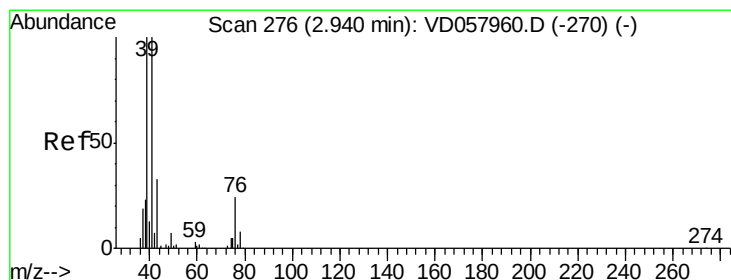
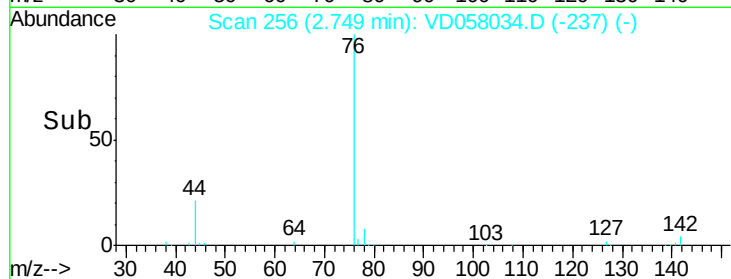
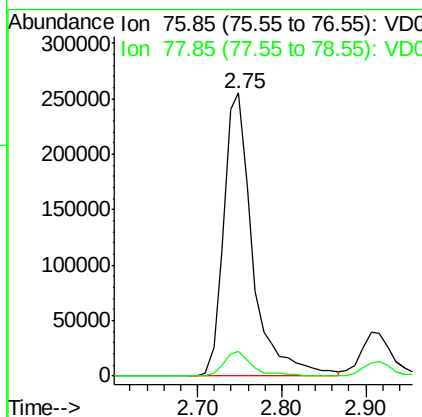
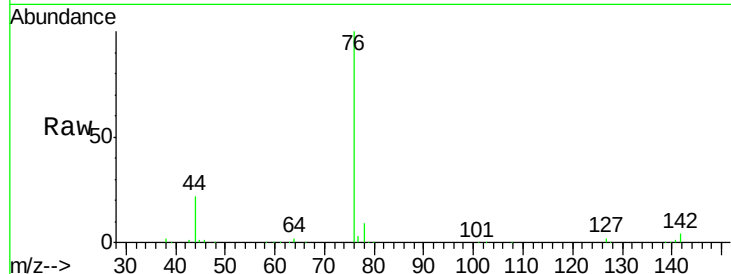




#17
Carbon Disulfide
Concen: 53.423 ug/l
RT: 2.75 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

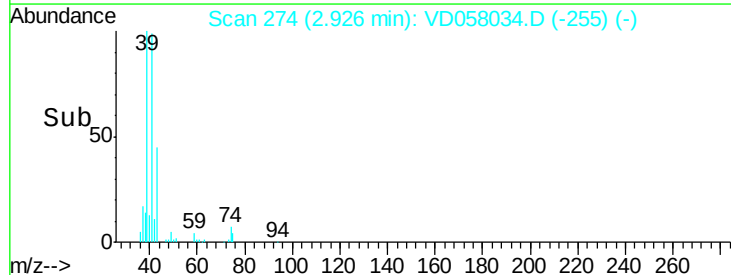
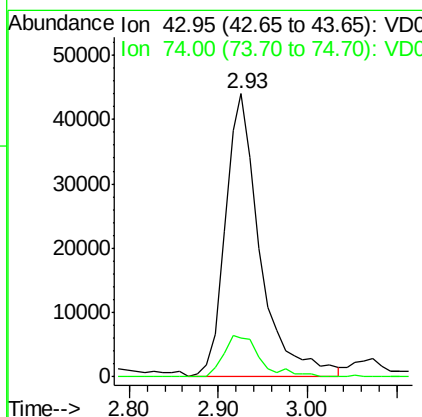
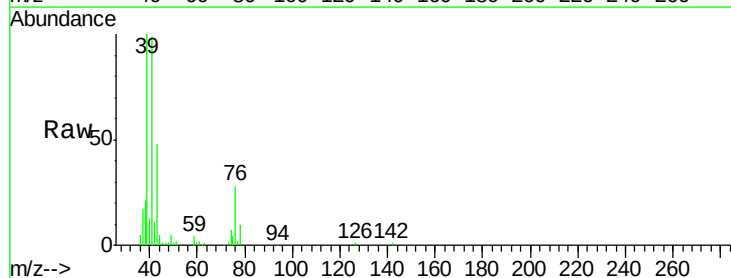
Instrument :
MSVOA_D
ClientSampleID :

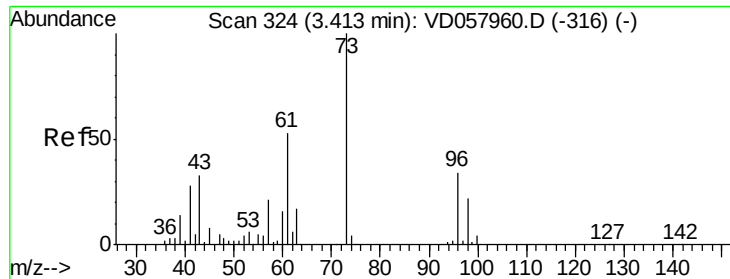
Tot Ion: 76 Resp: 606387
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1



#18
Methyl Acetate
Concen: 55.279 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 43 Resp: 120331
Ion Ratio Lower Upper
43 100
74 13.9 11.2 16.8

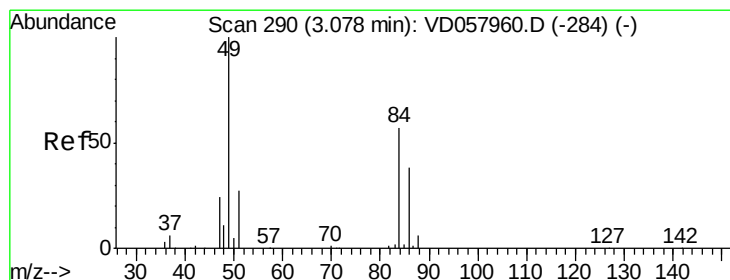
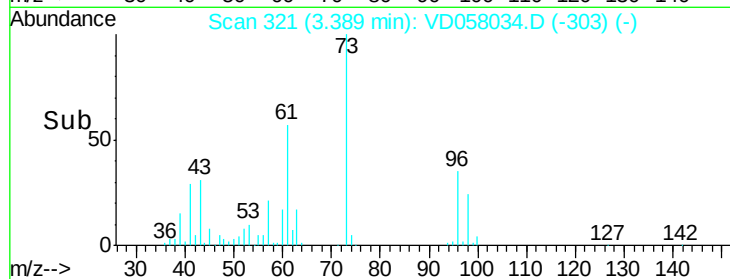
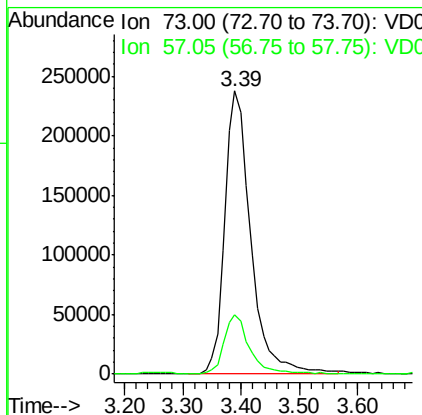
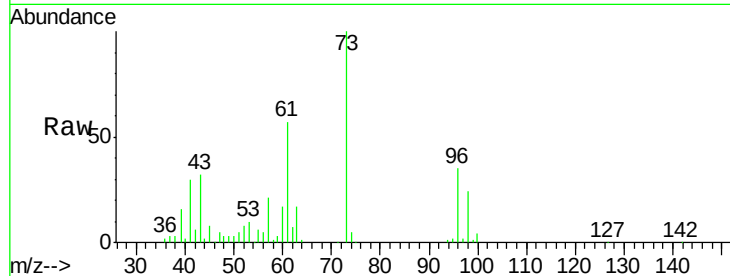




#19
Methyl tert-butyl Ether
Concen: 53.709 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

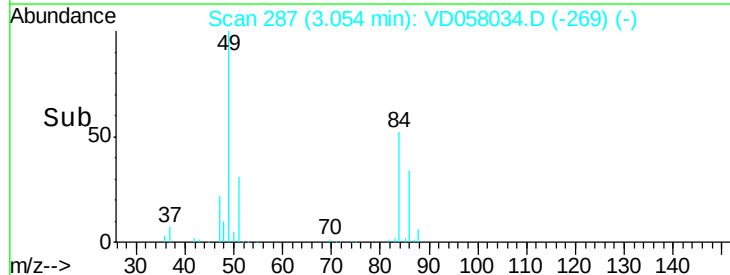
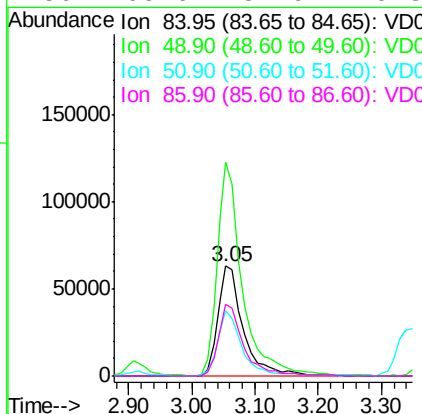
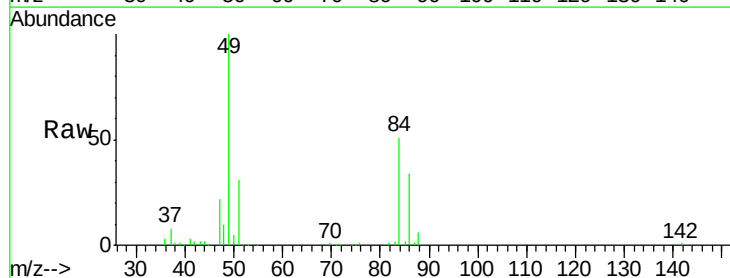
Instrument :
MSVOA_D
ClientSampleId :

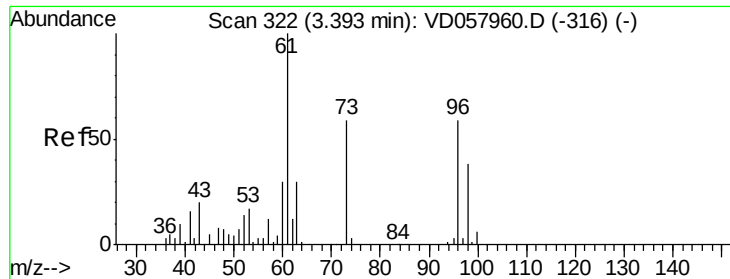
Tot Ion: 73 Resp: 740476
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1



#20
Methylene Chloride
Concen: 57.836 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 84 Resp: 178049
Ion Ratio Lower Upper
84 100
49 194.6 141.4 212.0
51 59.6 38.3 57.5#
86 65.6 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 44.818 ug/l

RT: 3.38 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

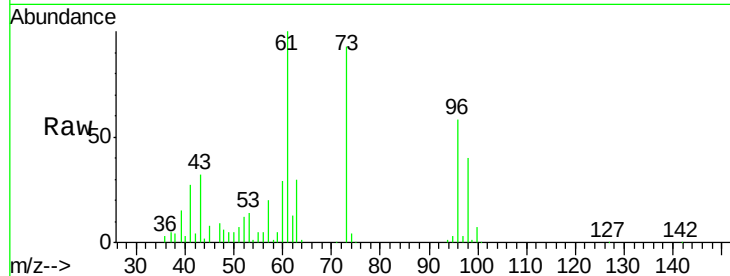
Tot Ion: 96 Resp: 312775

Ion Ratio Lower Upper

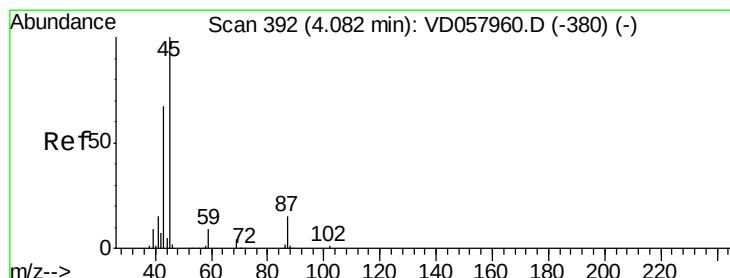
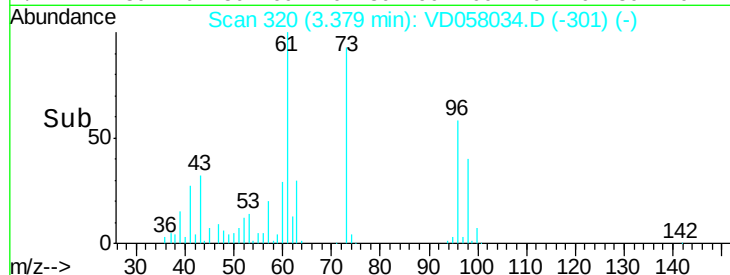
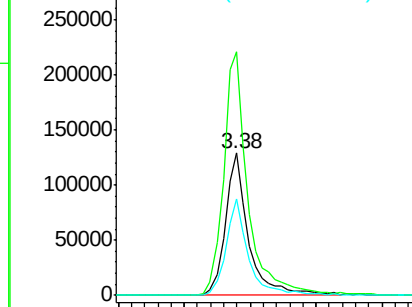
96 100

61 171.0 135.2 202.8

98 67.8 51.7 77.5



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: 53.759 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Tgt Ion: 45 Resp: 1539372

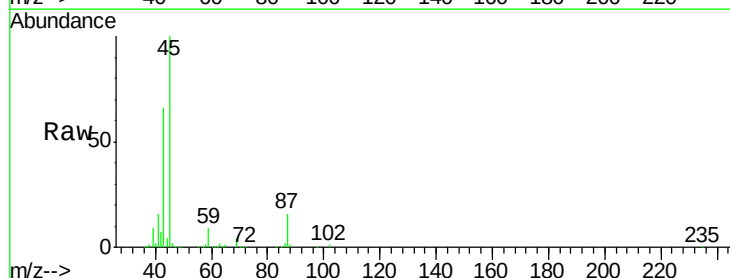
Ion Ratio Lower Upper

45 100

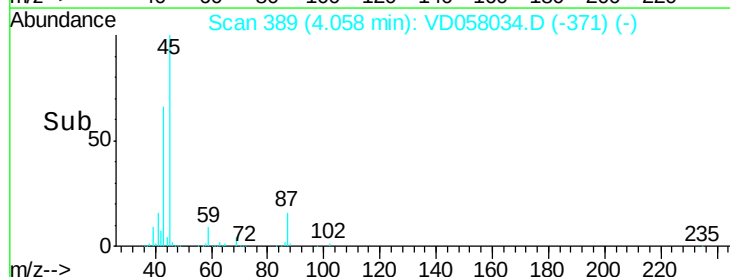
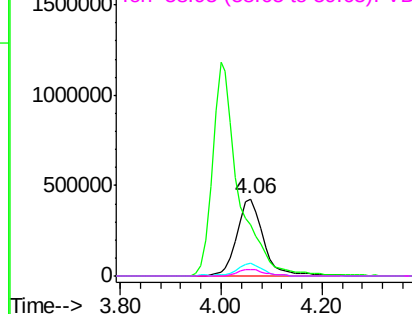
43 65.9 53.8 80.8

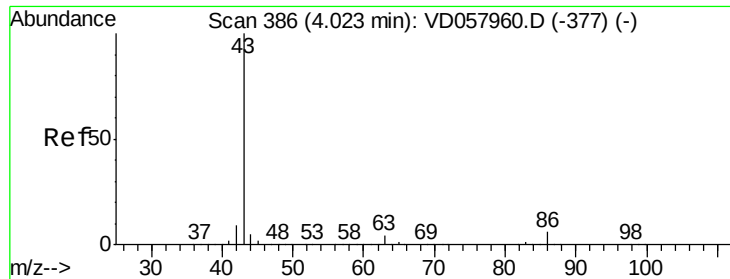
87 15.9 12.5 18.7

59 8.7 7.3 10.9



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: 287.153 ug/l

RT: 4.00 min Scan# 383

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

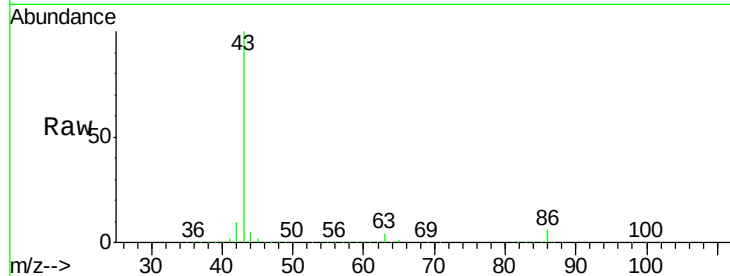
ClientSampled :

Tot Ion: 43 Resp: 4248402

Ion Ratio Lower Upper

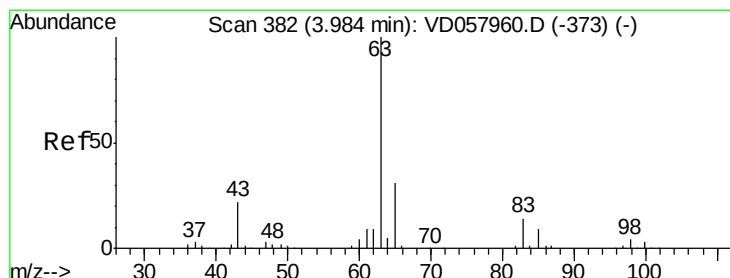
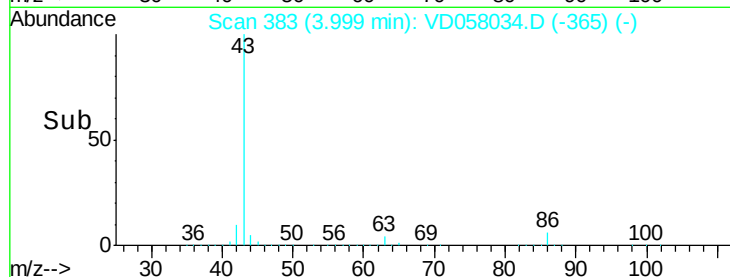
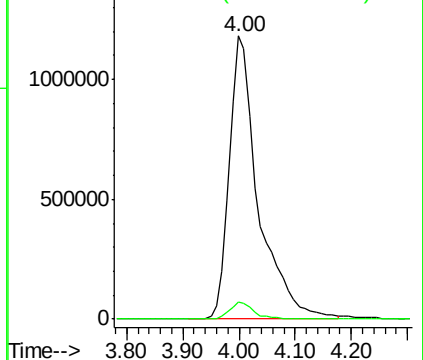
43 100

86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.005 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

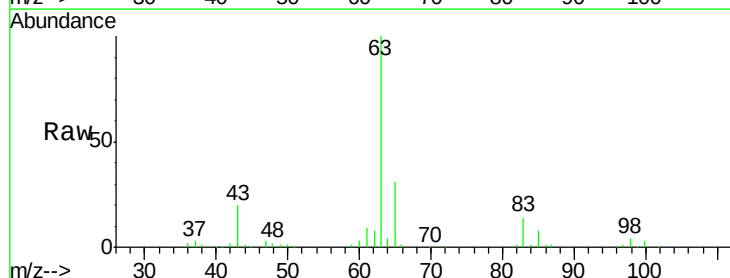
Tgt Ion: 63 Resp: 865637

Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

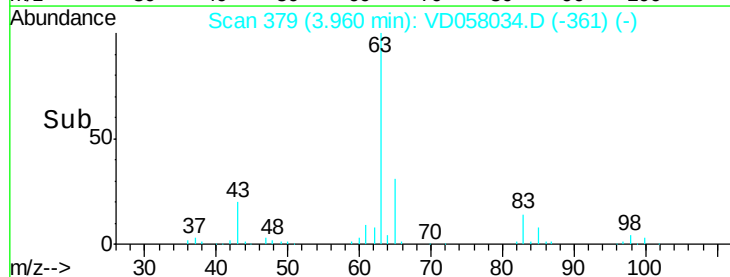
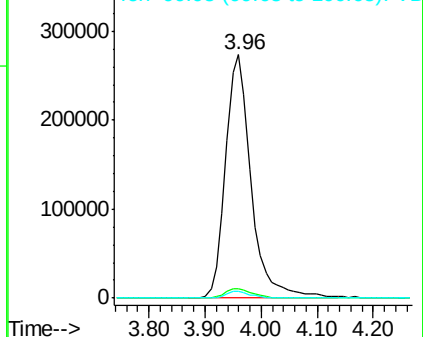
100 2.7 1.4 4.2

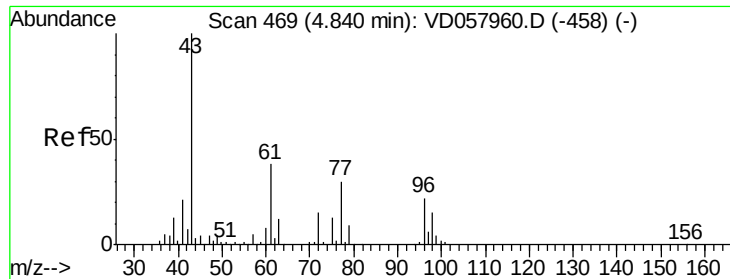


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

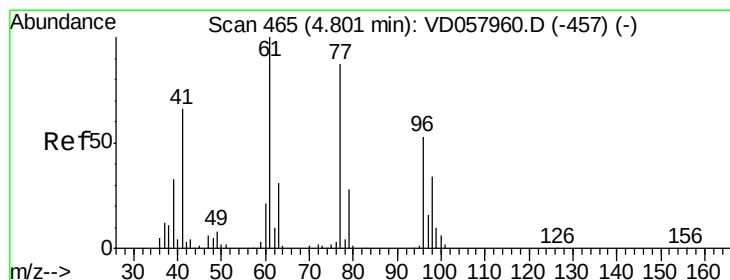
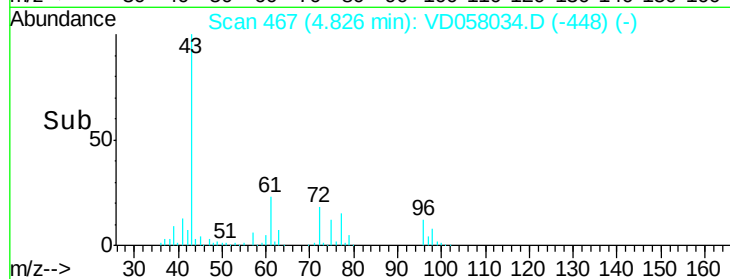
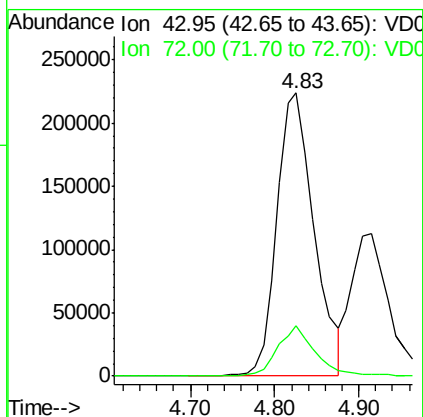
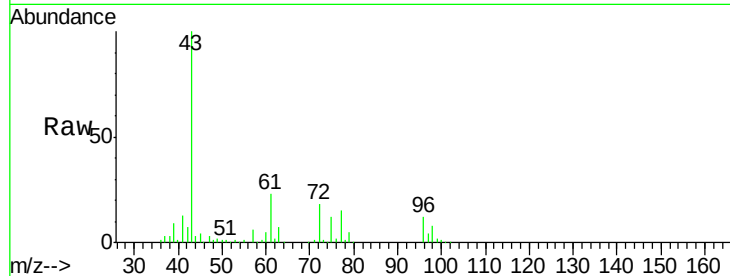




#25
2-Butanone
Concen: 267.621 ug/l
RT: 4.83 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

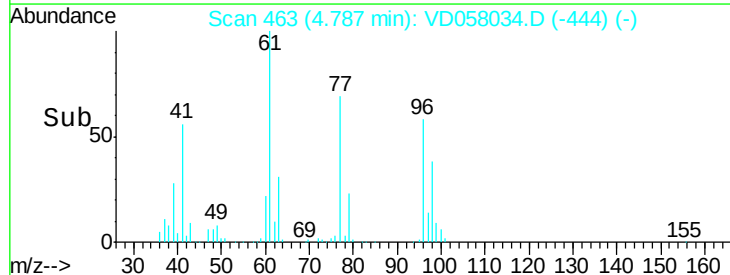
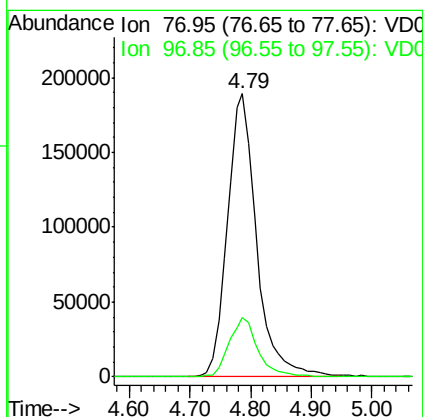
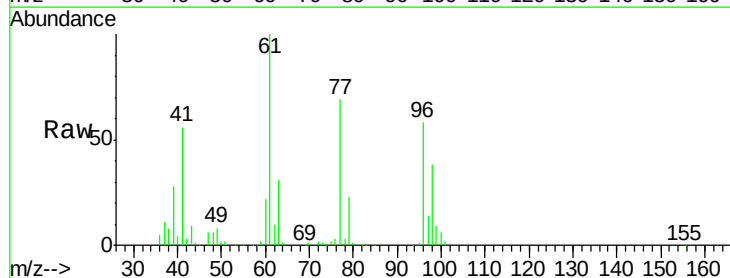
Instrument :
MSVOA_D
ClientSampled :

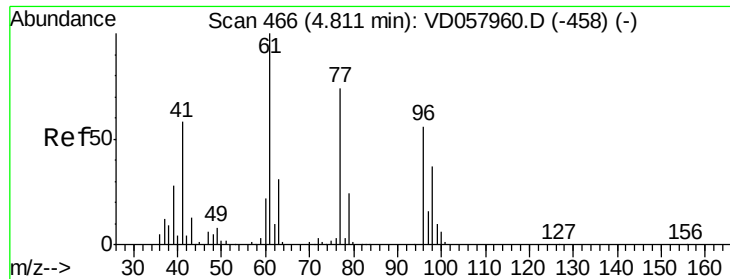
Tot Ion: 43 Resp: 684393
Ion Ratio Lower Upper
43 100
72 17.8 12.0 18.0



#26
2,2-Dichloropropane
Concen: 48.745 ug/l
RT: 4.79 min Scan# 463
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 77 Resp: 631926
Ion Ratio Lower Upper
77 100
97 20.9 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 54.031 ug/l

RT: 4.79 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

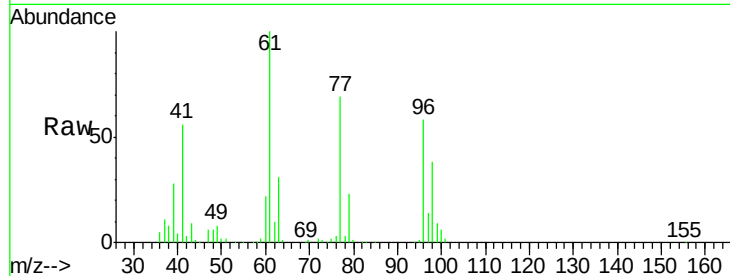
Tot Ion: 96 Resp: 447216

Ion Ratio Lower Upper

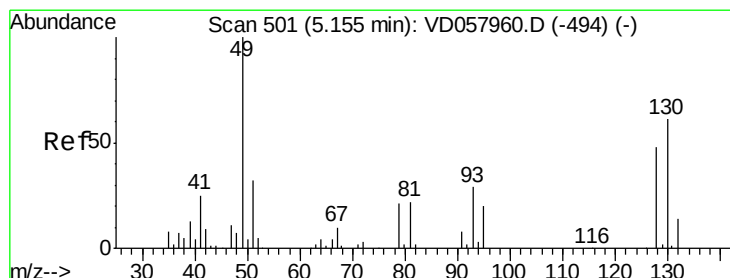
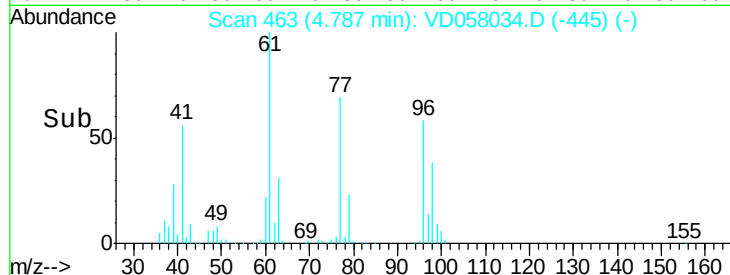
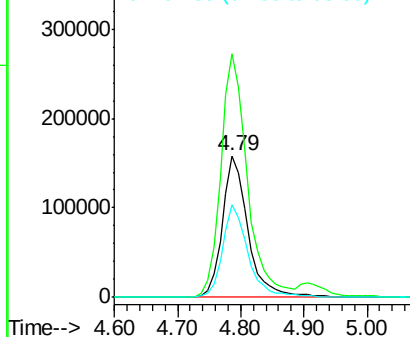
96 100

61 171.7 0.0 355.0

98 65.1 0.0 129.6



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



#28

Bromochloromethane

Concen: 60.768 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

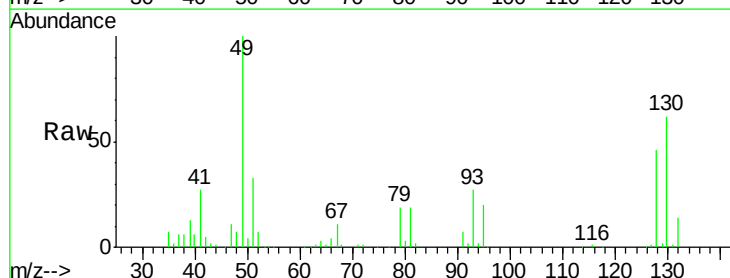
Tgt Ion: 49 Resp: 413908

Ion Ratio Lower Upper

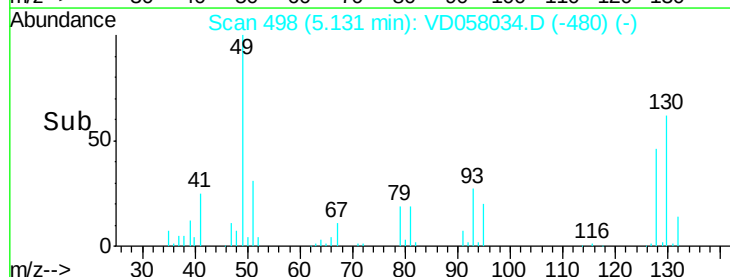
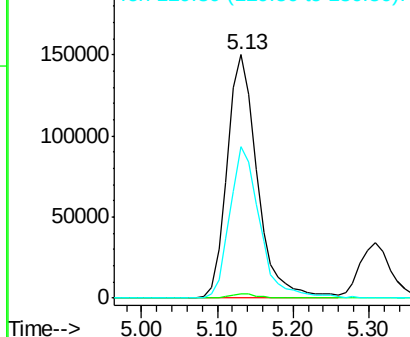
49 100

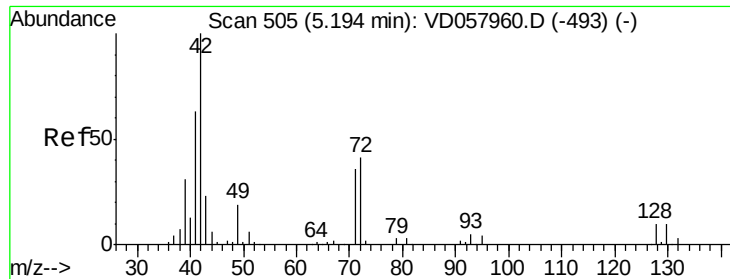
129 1.8 0.0 3.6

130 62.1 48.8 73.2



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

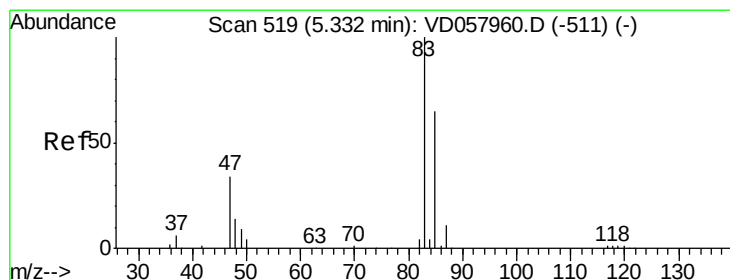
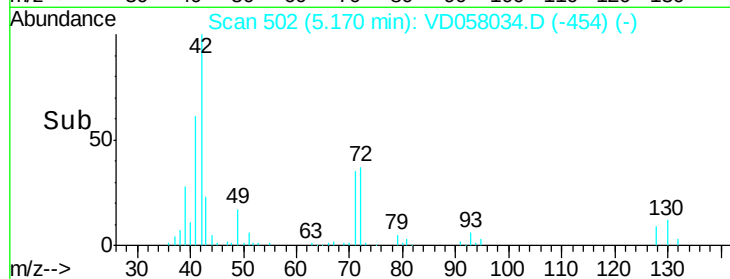
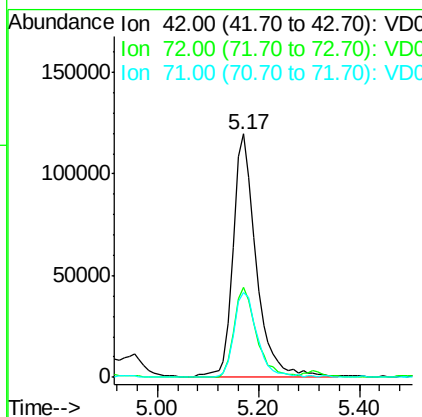
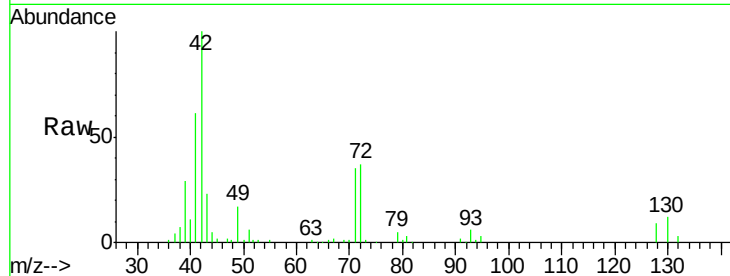




#29
Tetrahydrofuran
Concen: 275.516 ug/l
RT: 5.17 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

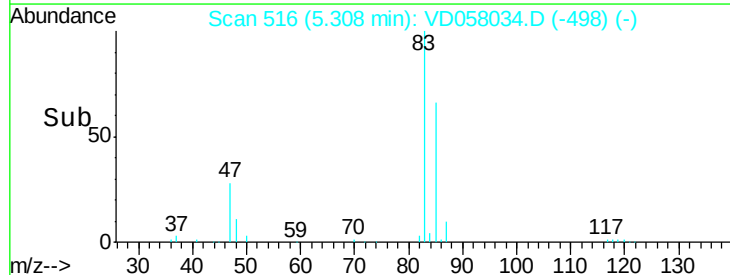
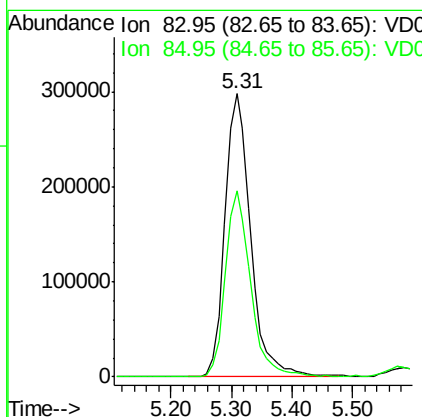
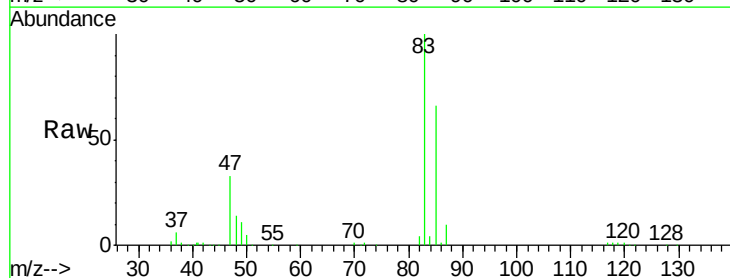
Instrument :
MSVOA_D
ClientSampleId :

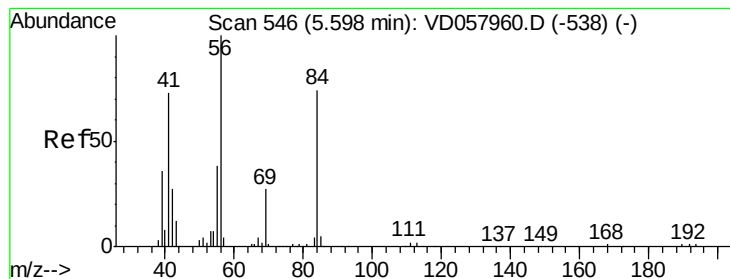
Tot Ion: 42 Resp: 369347
Ion Ratio Lower Upper
42 100
72 36.2 28.5 42.7
71 35.3 27.9 41.9



#30
Chloroform
Concen: 55.401 ug/l
RT: 5.31 min Scan# 516
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 83 Resp: 877463
Ion Ratio Lower Upper
83 100
85 65.6 51.6 77.4





#31

Cyclohexane

Concen: 51.209 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

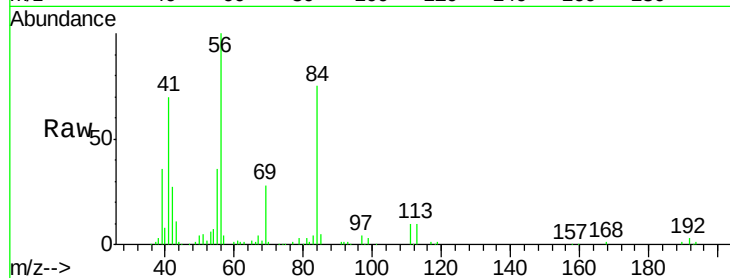
Tot Ion: 56 Resp: 695469

Ion Ratio Lower Upper

56 100

69 28.1 21.5 32.3

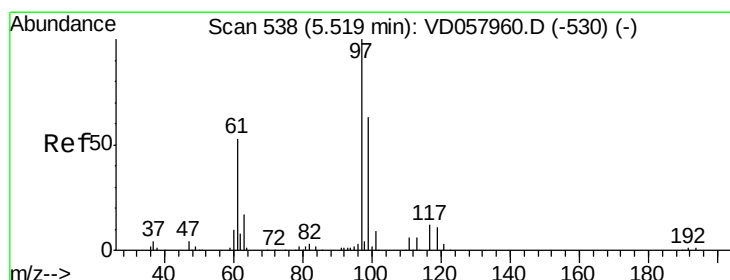
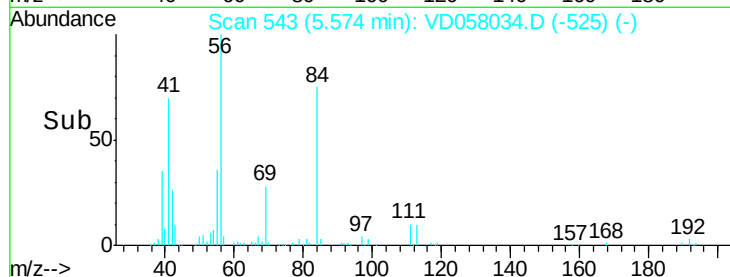
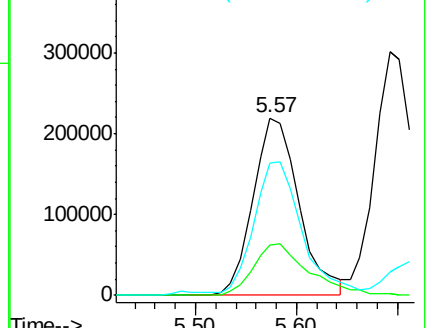
84 74.7 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.837 ug/l

RT: 5.50 min Scan# 535

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

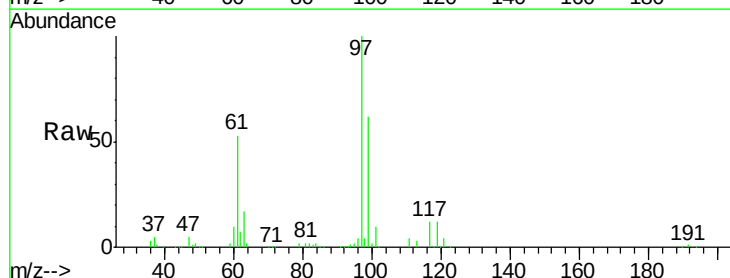
Tgt Ion: 97 Resp: 727212

Ion Ratio Lower Upper

97 100

99 62.4 50.1 75.1

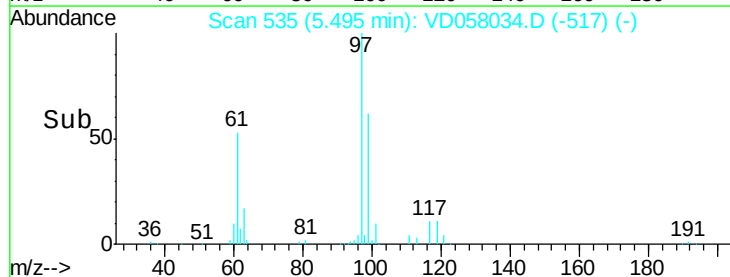
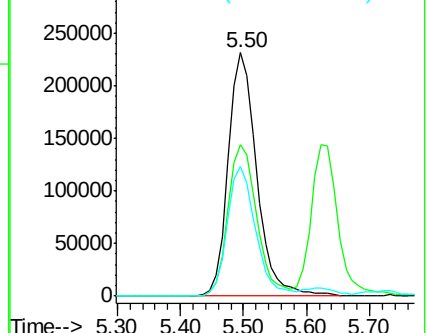
61 53.5 42.2 63.4

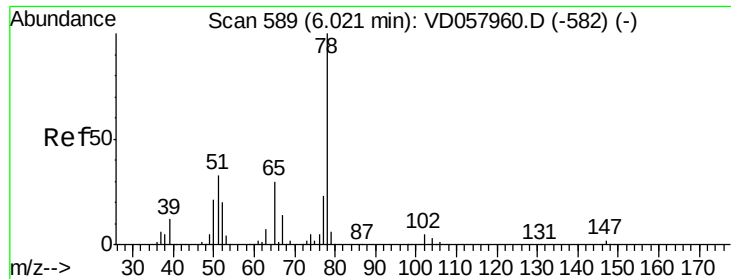


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

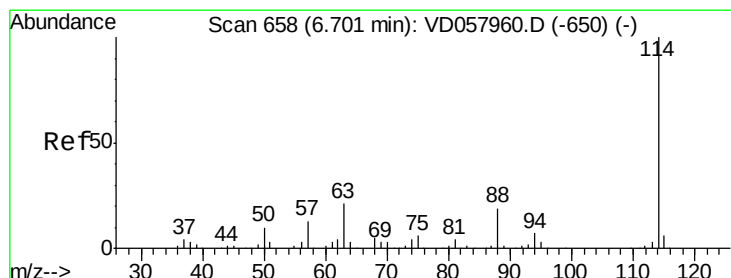
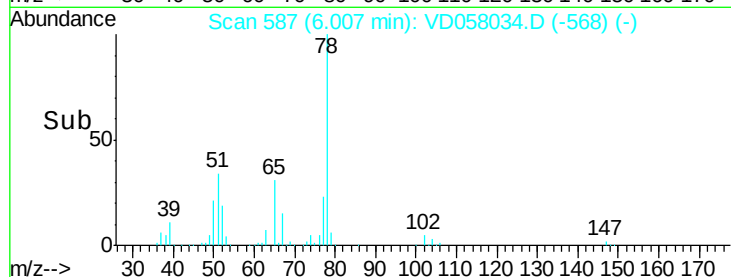
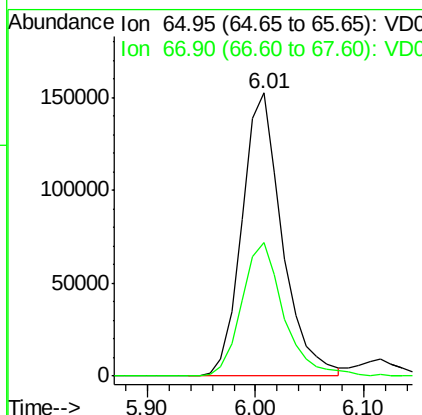
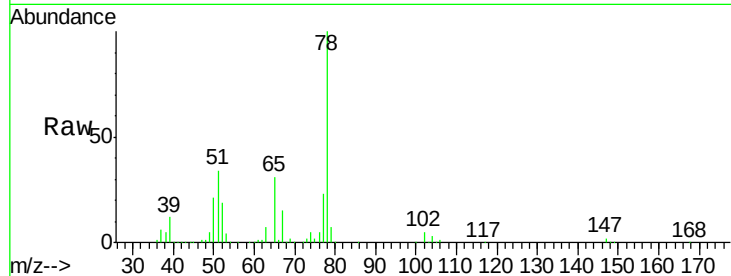




#33
 1,2-Dichloroethane-d4
 Concen: 54.837 ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

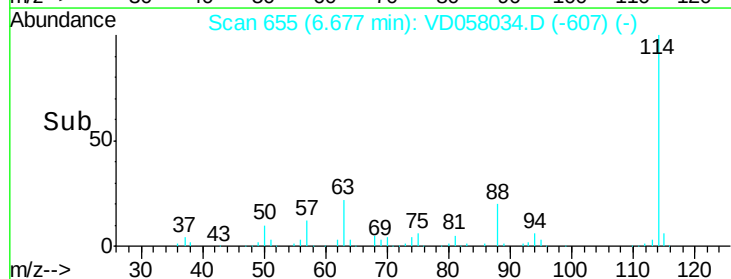
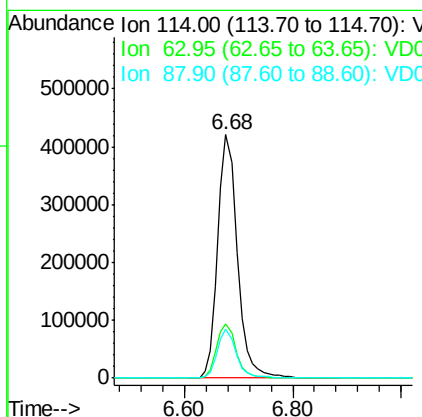
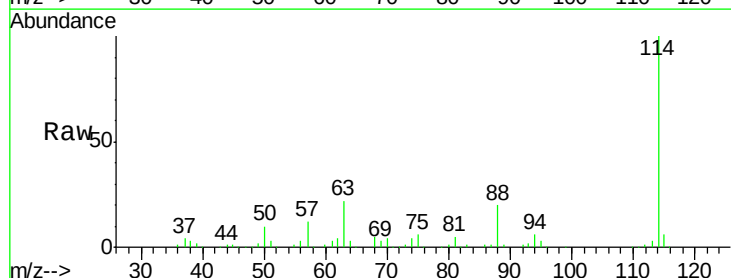
Instrument :
 MSVOA_D
 ClientSampleId :

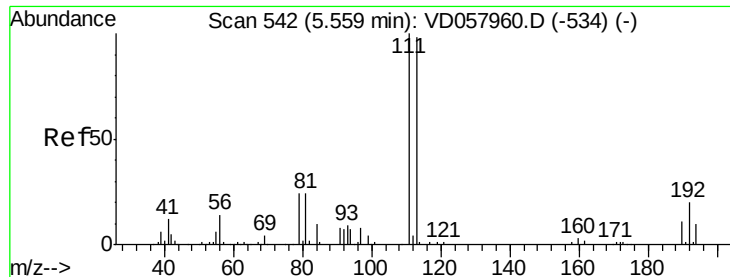
Tot Ion: 65 Resp: 392754
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion: 114 Resp: 1058110
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.8
 88 19.9 0.0 37.8

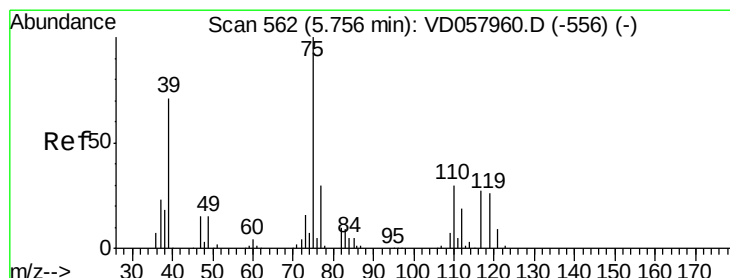
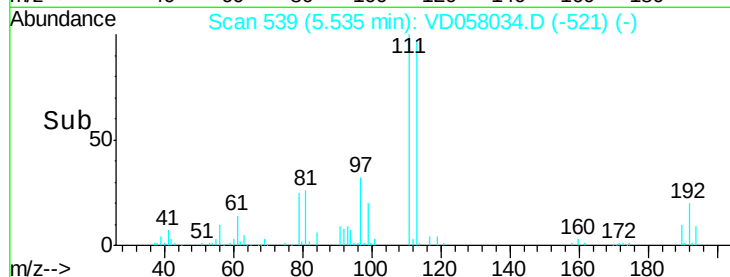
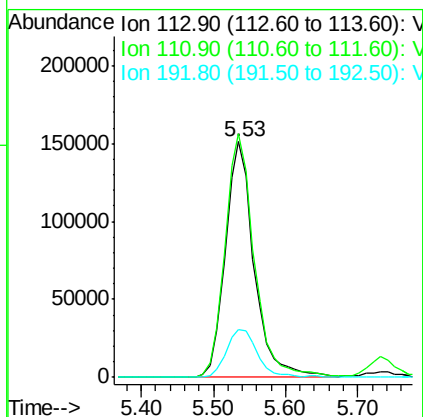
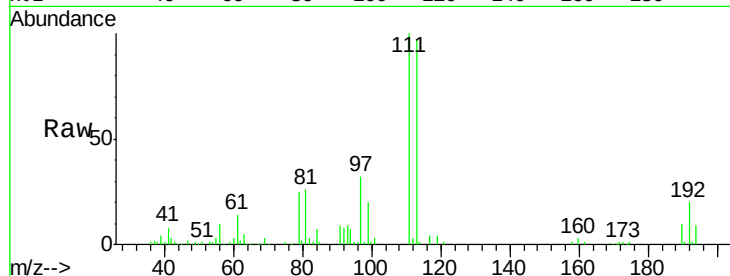




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

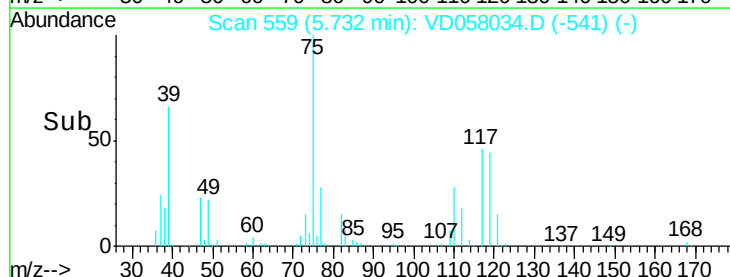
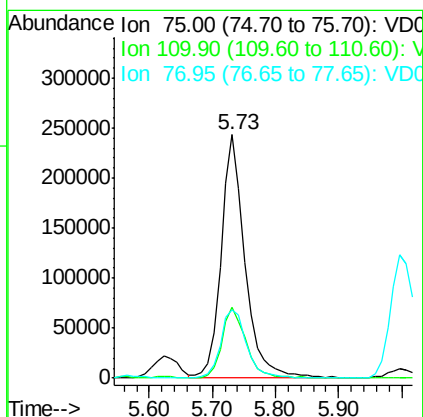
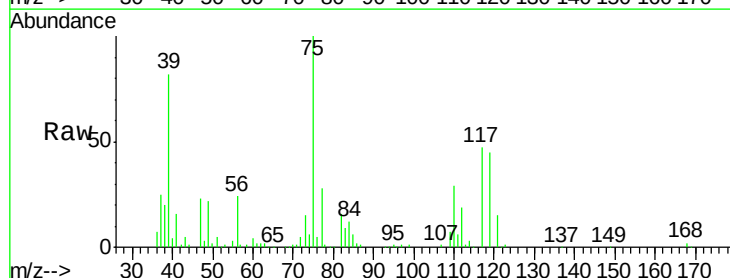
Instrument :
MSVOA_D
ClientSampleId :

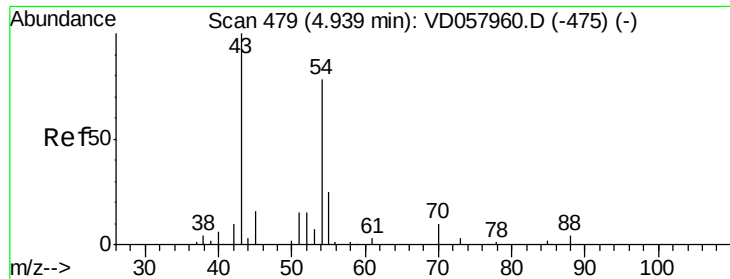
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	20.5	16.4	24.6



#36
1,1-Dichloropropene
Concen: 54.145 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.9	14.8	44.3
77	28.2	23.9	35.9

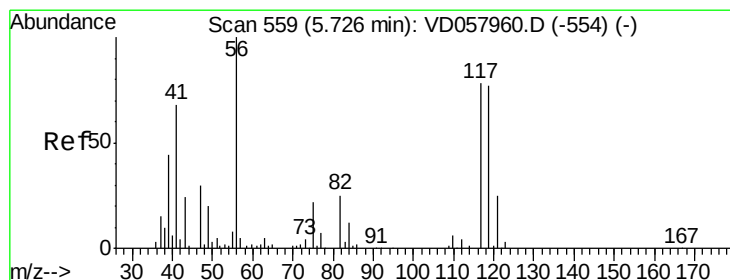
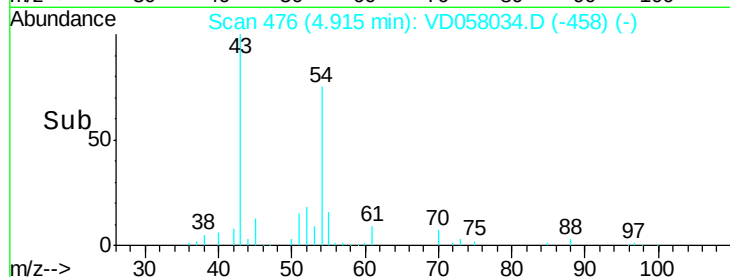
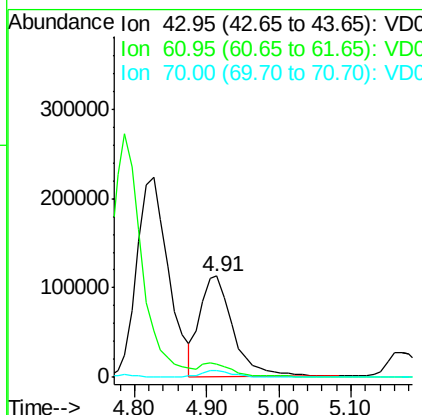
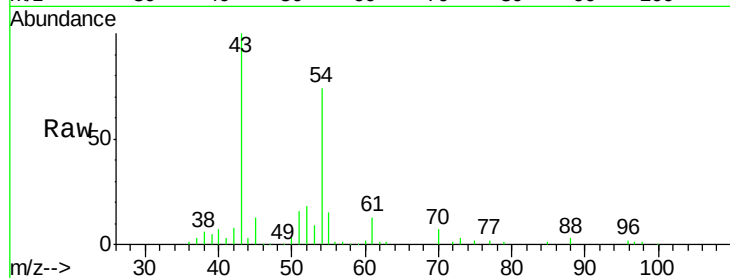




#37
Ethyl Acetate
Concen: 55.556 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

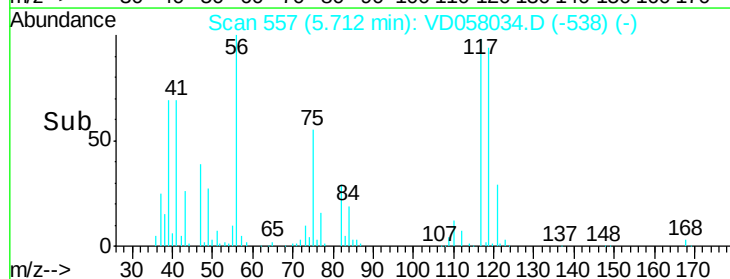
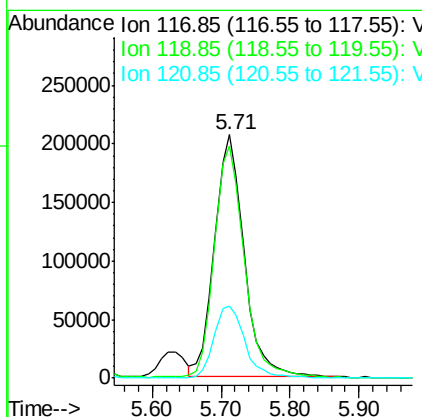
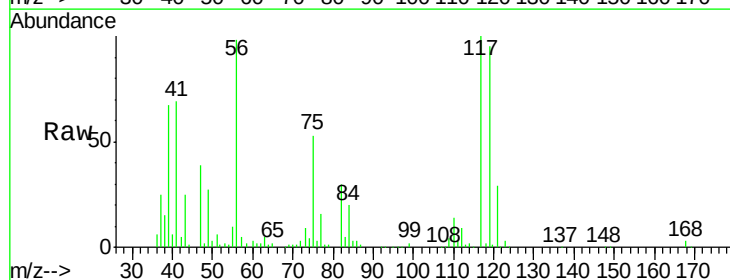
Instrument :
MSVOA_D
ClientSampleId :

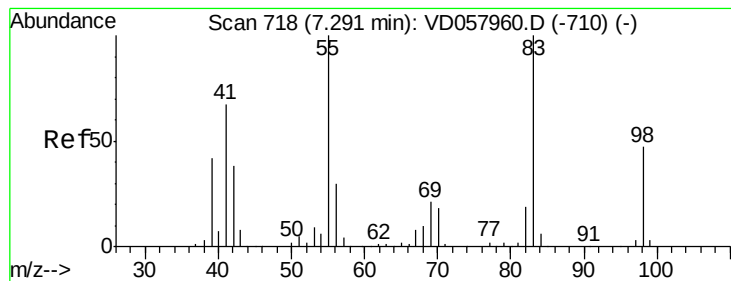
Tot Ion: 43 Resp: 353388
Ion Ratio Lower Upper
43 100
61 13.3 9.9 14.9
70 6.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 53.645 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 117 Resp: 616331
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1
121 29.4 24.9 37.3





#39

Methylvlcyclohexane

Concen: 55.226 ug/l

RT: 7.27 min Scan# 715

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

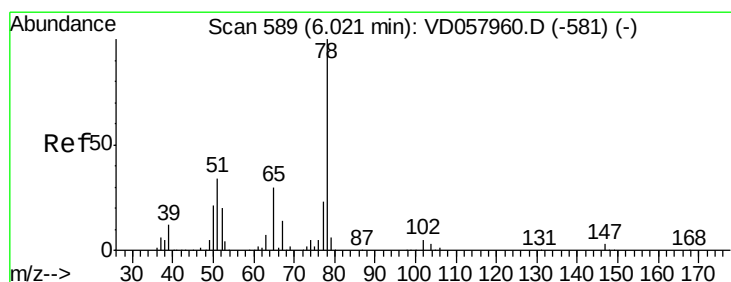
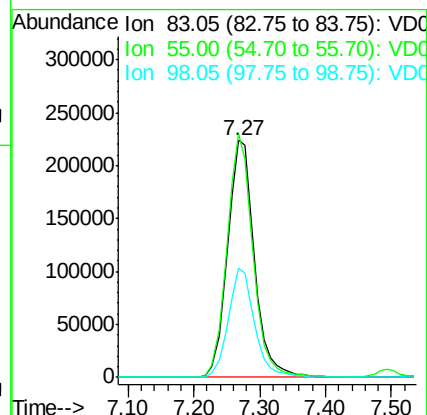
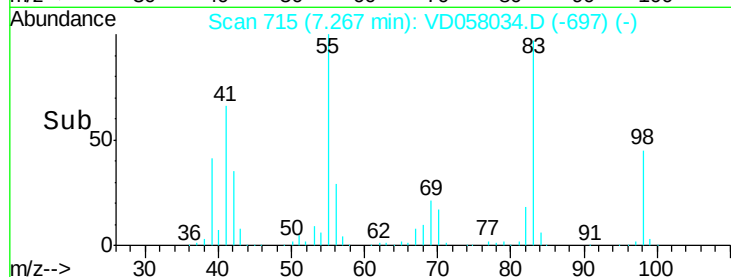
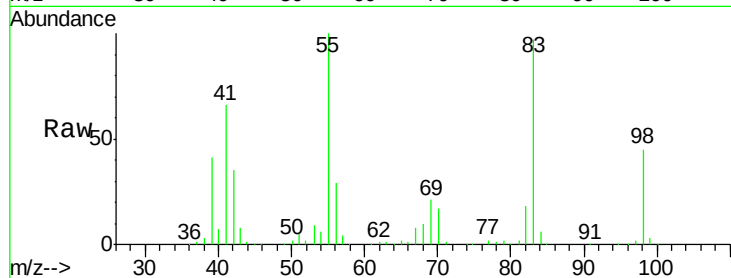
Tot Ion: 83 Resp: 638206

Ion Ratio Lower Upper

83 100

55 102.9 80.3 120.5

98 46.2 38.0 57.0



#40

Benzene

Concen: 54.935 ug/l

RT: 6.00 min Scan# 586

Delta R.T. -0.02 min

Lab File: VD058034.D

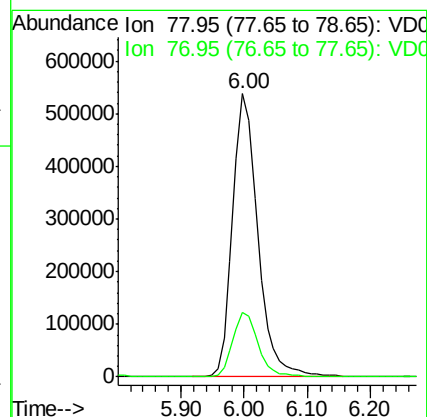
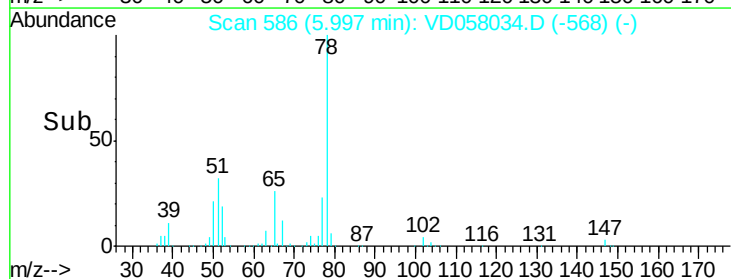
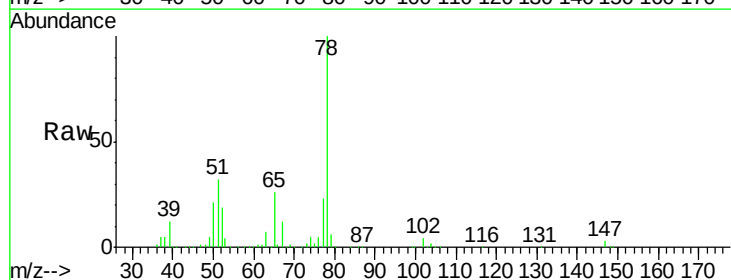
Acq: 8 Jun 2018 22:52

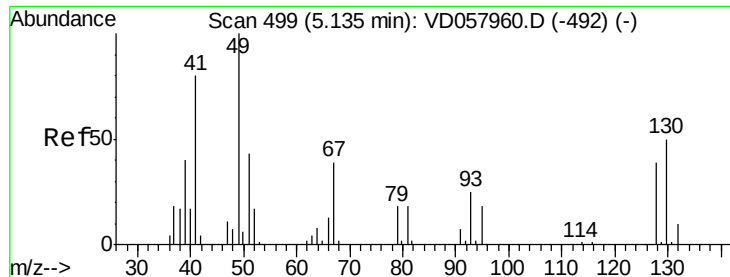
Tgt Ion: 78 Resp: 1496021

Ion Ratio Lower Upper

78 100

77 22.9 18.1 27.1





#41

Methacrylonitrile

Concen: 63.482 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 184636

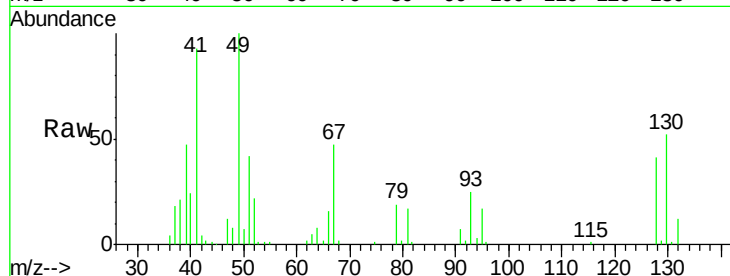
Ion Ratio Lower Upper

41 100

39 50.8 40.7 61.1

67 50.8 38.8 58.2

52 23.6 17.3 25.9

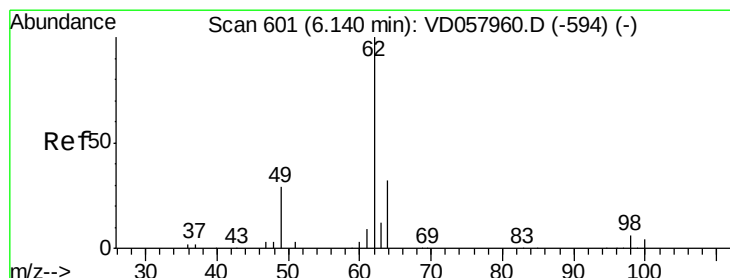
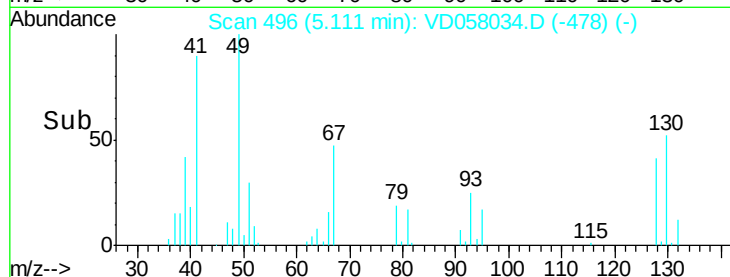
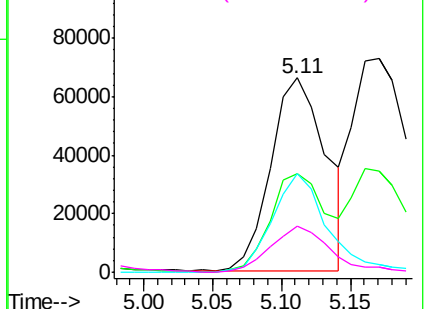


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.370 ug/l

RT: 6.12 min Scan# 598

Delta R.T. -0.02 min

Lab File: VD058034.D

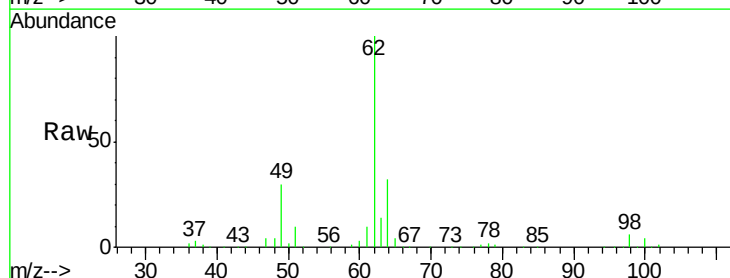
Acq: 8 Jun 2018 22:52

Tgt Ion: 62 Resp: 587641

Ion Ratio Lower Upper

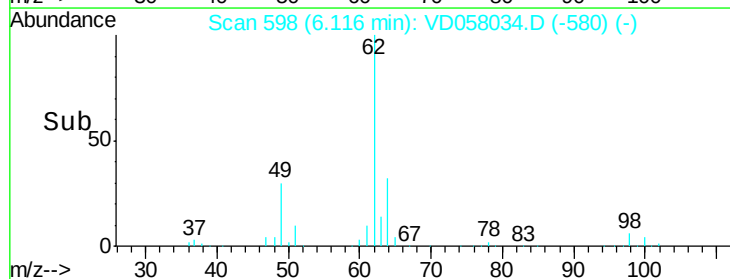
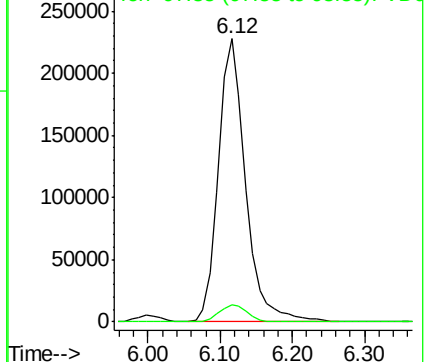
62 100

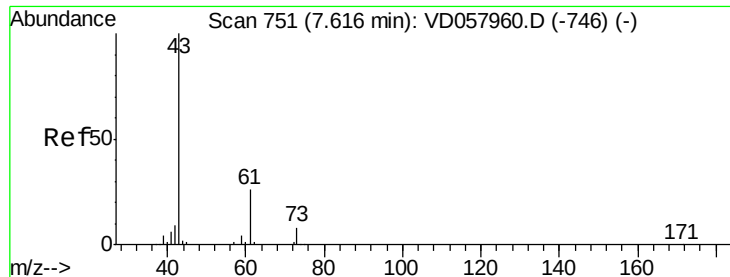
98 6.0 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.438 ug/l

RT: 7.60 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

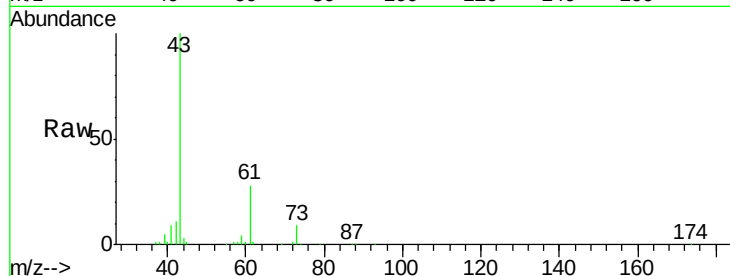
Tot Ion: 43 Resp: 436904

Ion Ratio Lower Upper

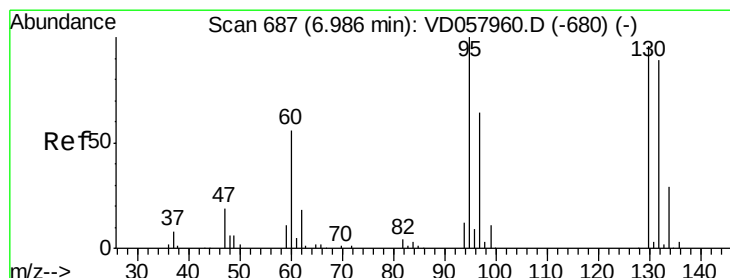
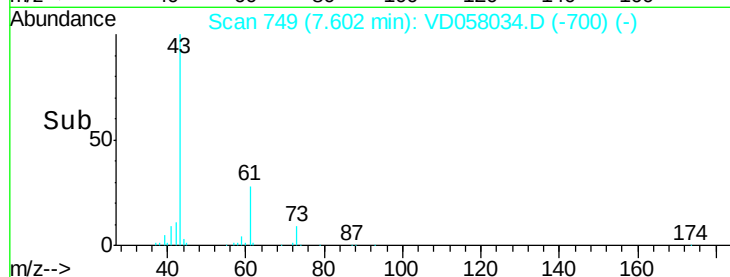
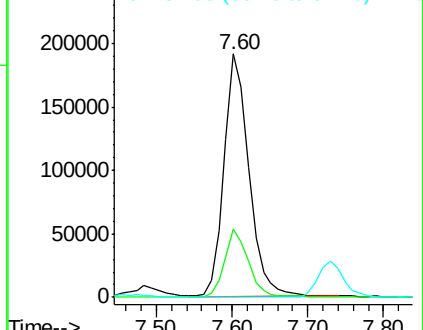
43 100

61 27.9 20.6 30.8

87 0.2 0.2 0.4#



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



#44

Trichloroethene

Concen: 55.521 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.01 min

Lab File: VD058034.D

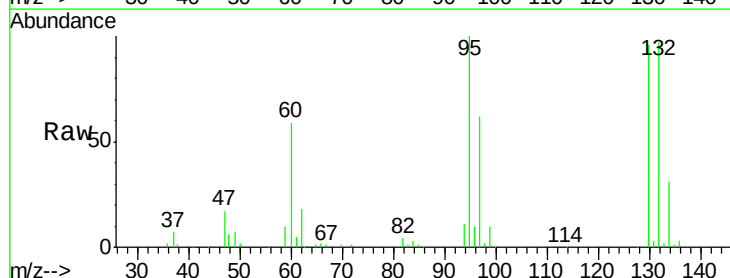
Acq: 8 Jun 2018 22:52

Tgt Ion:130 Resp: 441649

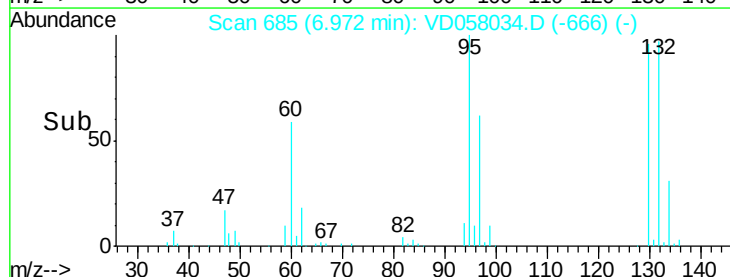
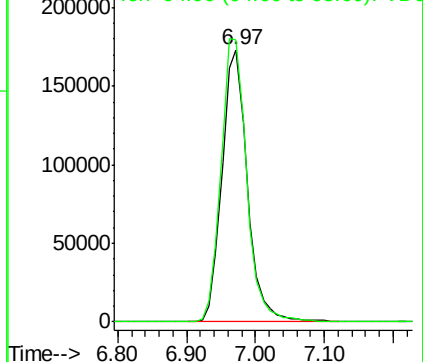
Ion Ratio Lower Upper

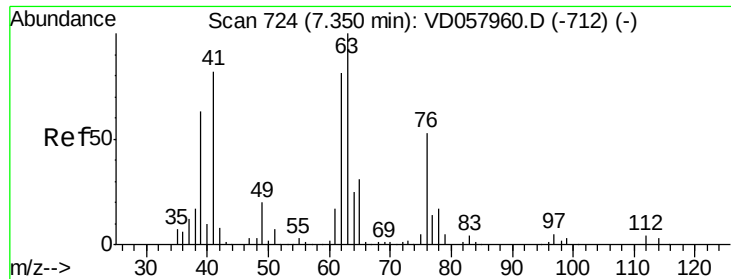
130 100

95 103.8 0.0 207.4



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

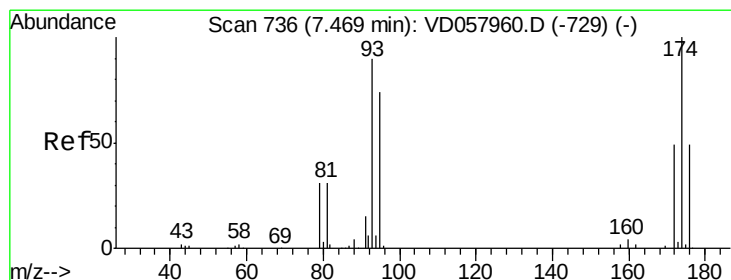
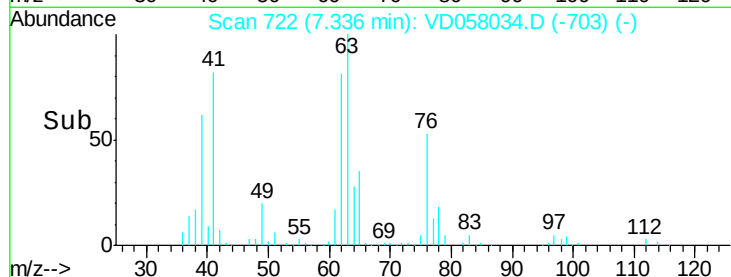
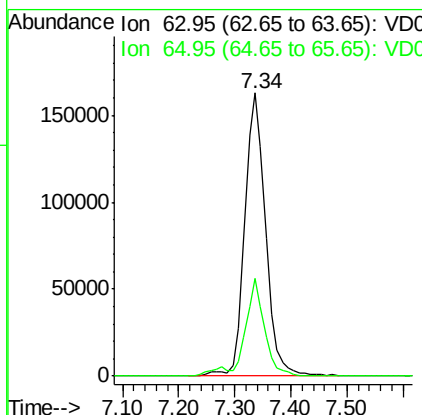
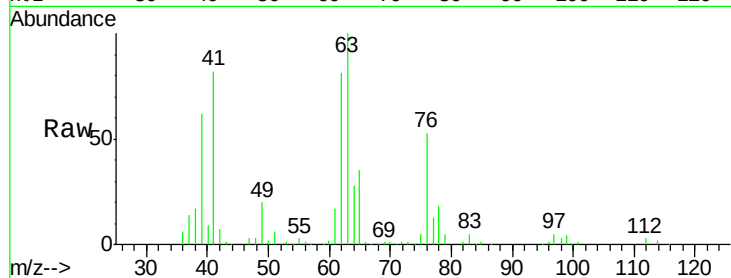




#45
 1,2-Dichloropropane
 Concen: 55.477 ug/l
 RT: 7.34 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

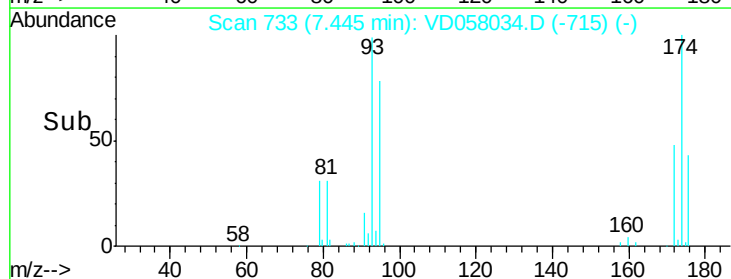
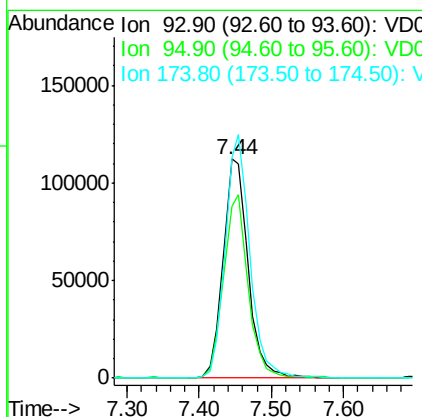
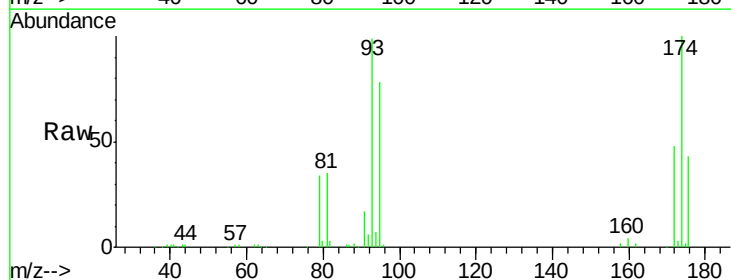
Instrument :
 MSVOA_D
 ClientSampleID :

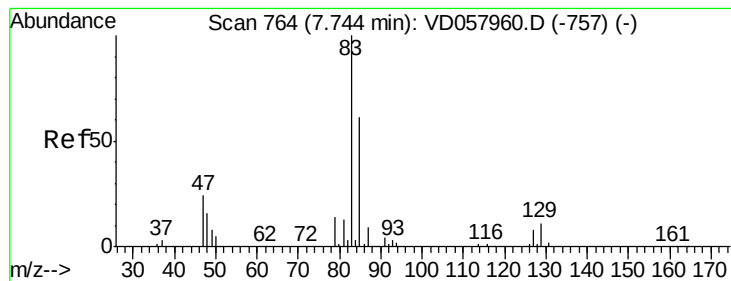
Tot Ion: 63 Resp: 419903
 Ion Ratio Lower Upper
 63 100
 65 34.6 24.9 37.3



#46
 Dibromomethane
 Concen: 55.380 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion: 93 Resp: 269271
 Ion Ratio Lower Upper
 93 100
 95 78.6 65.7 98.5
 174 100.6 89.0 133.4





#47

Bromodichloromethane

Concen: 54.963 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

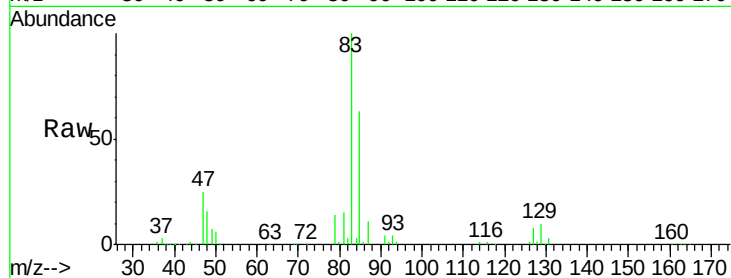
Tot Ion: 83 Resp: 625726

Ion Ratio Lower Upper

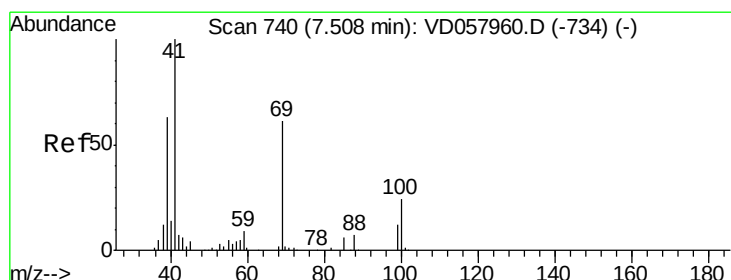
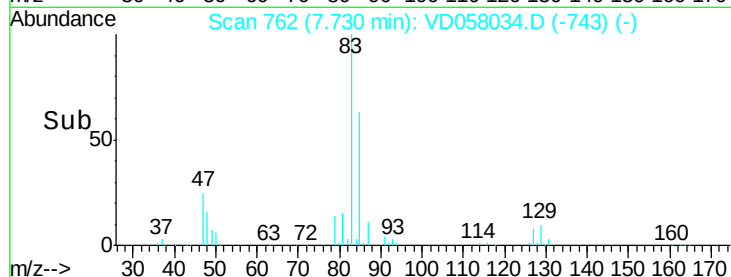
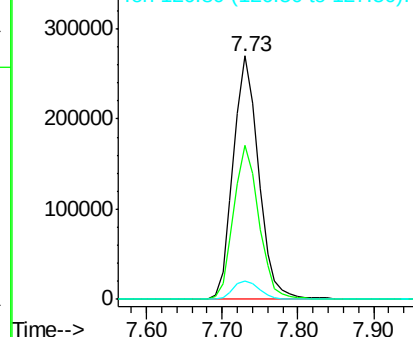
83 100

85 63.3 49.1 73.7

127 7.7 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.111 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

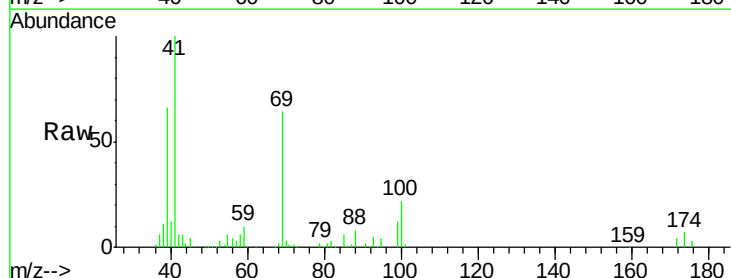
Tgt Ion: 41 Resp: 287744

Ion Ratio Lower Upper

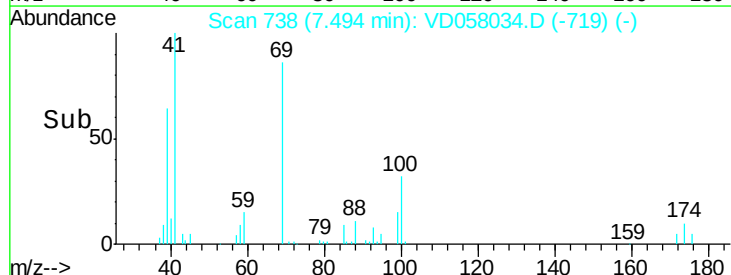
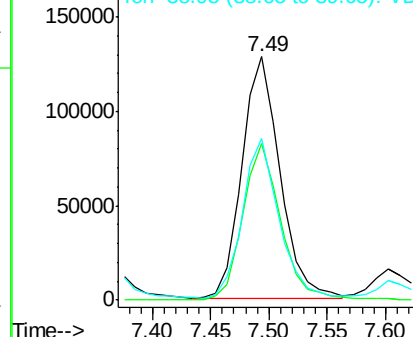
41 100

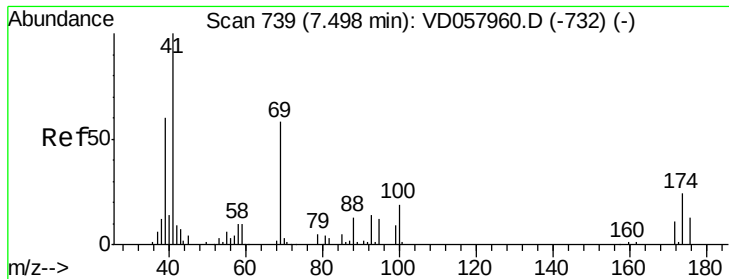
69 64.1 48.0 72.0

39 66.3 50.7 76.1



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

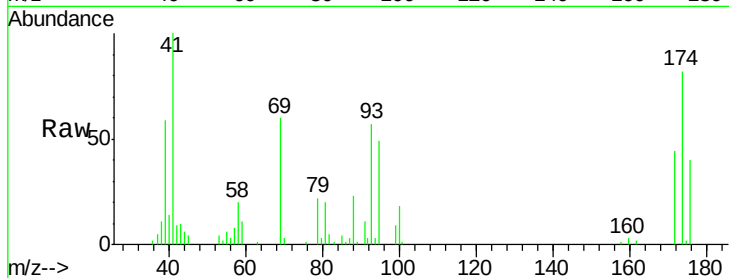




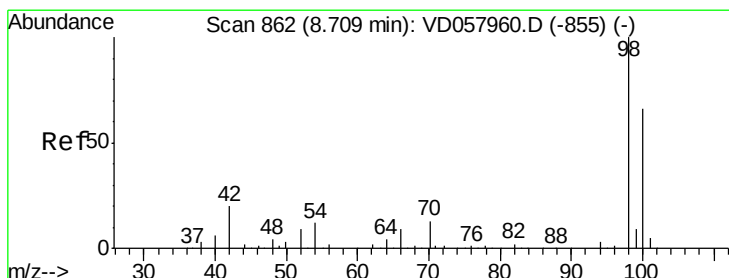
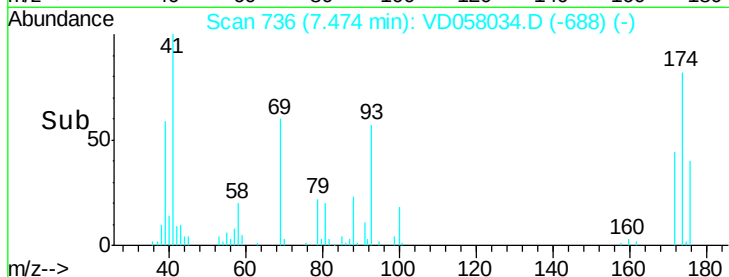
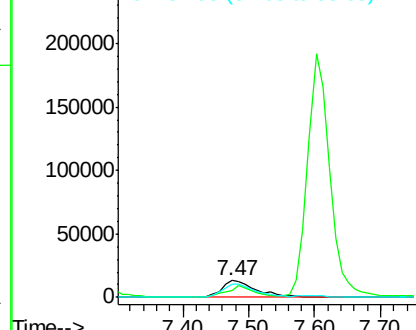
#49
1,4-Dioxane
Concen: 1151.052 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.02 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 48900
Ion Ratio Lower Upper
88 100
43 44.7 46.6 69.8#
58 83.7 63.6 95.4

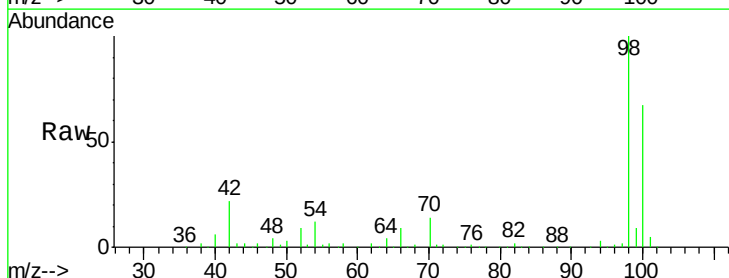


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

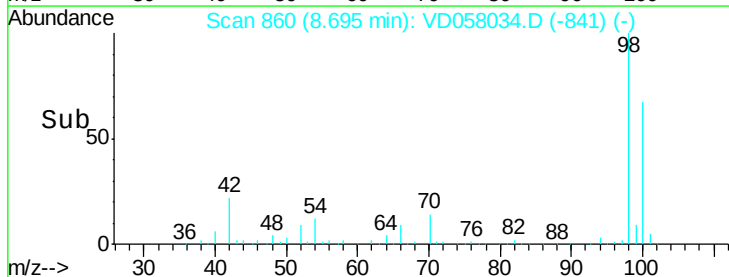
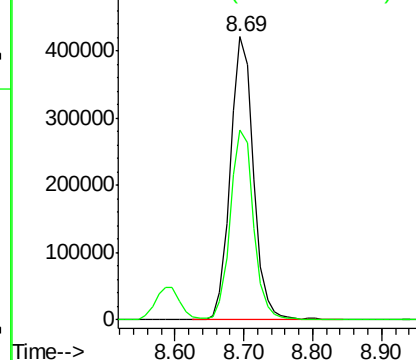


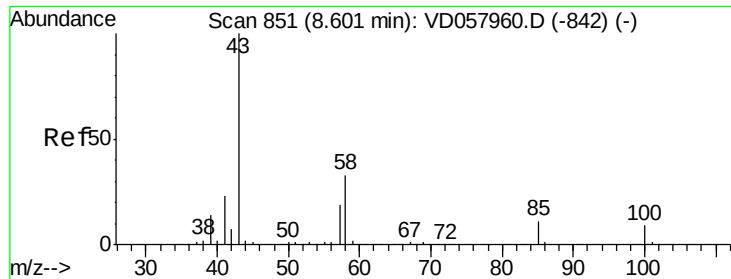
#50
Toluene-d8
Concen: 1151.052 ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 98 Resp: 975409
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0



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: 272.628 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

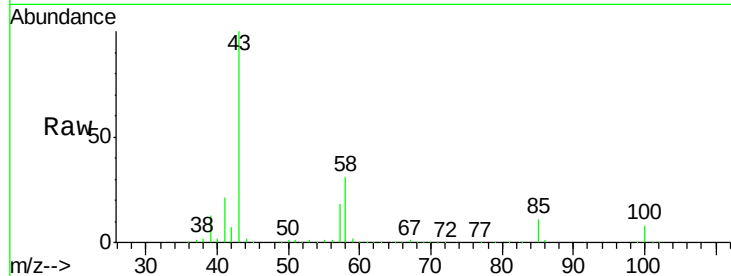
ClientSampleId :

Tot Ion: 43 Resp: 1456958

Ion Ratio Lower Upper

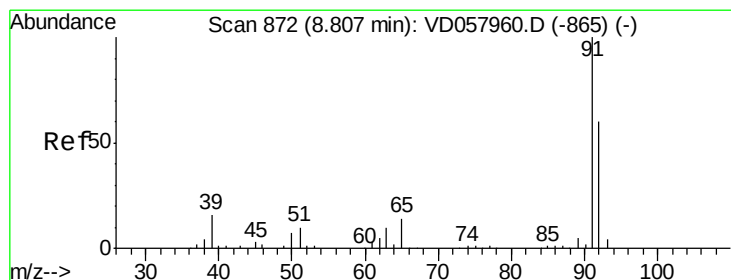
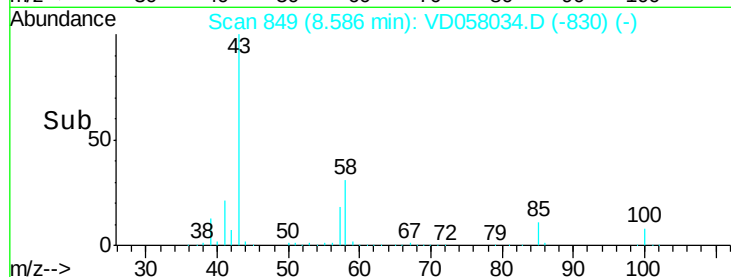
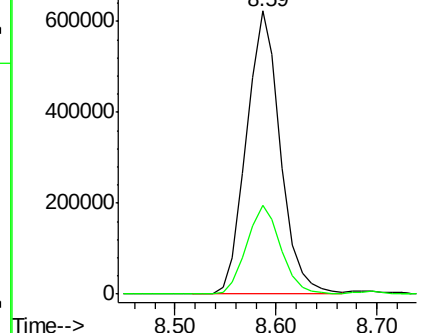
43 100

58 31.4 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.701 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD058034.D

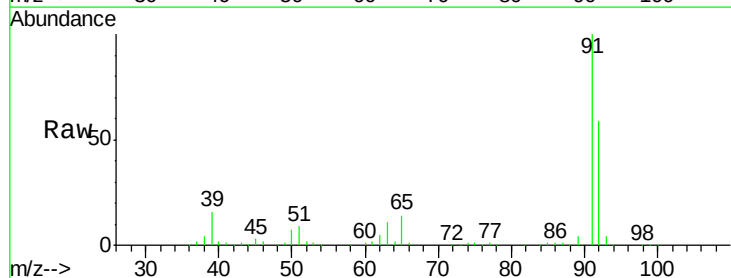
Acq: 8 Jun 2018 22:52

Tgt Ion: 92 Resp: 823670

Ion Ratio Lower Upper

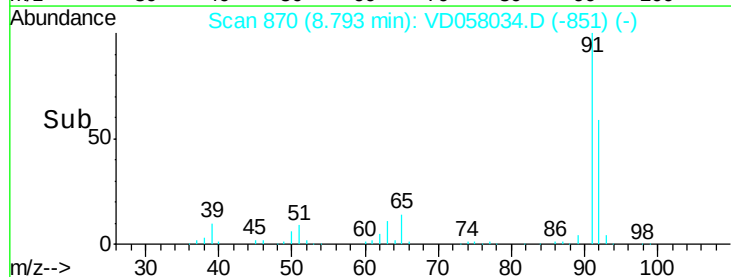
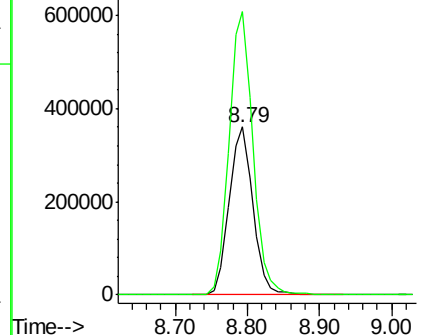
92 100

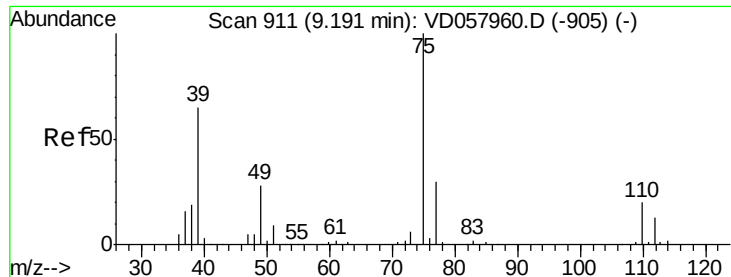
91 168.7 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

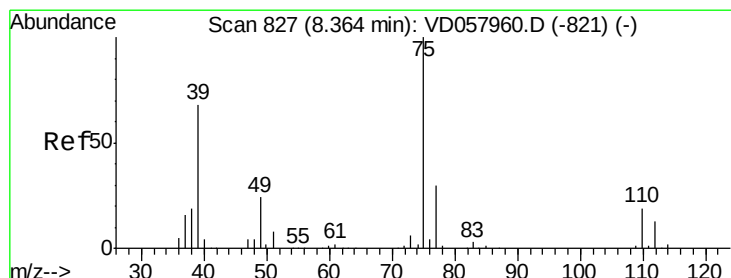
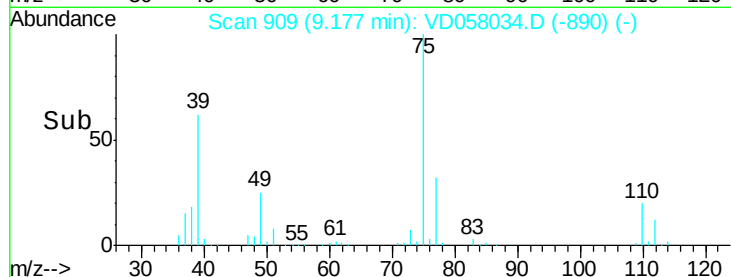
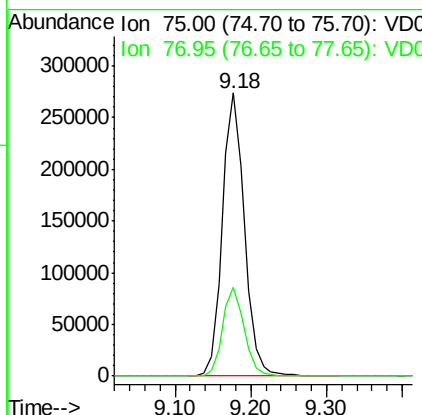
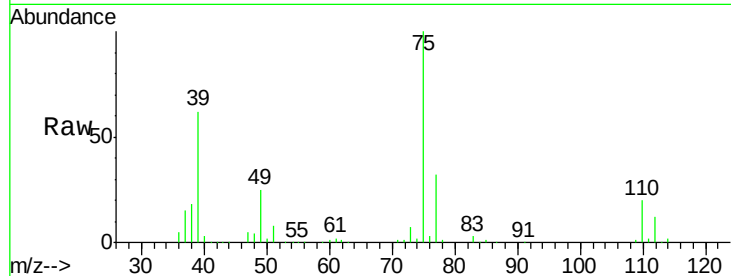




#53
t-1,3-Dichloropropene
Concen: 56.318 ug/l
RT: 9.18 min Scan# 909
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

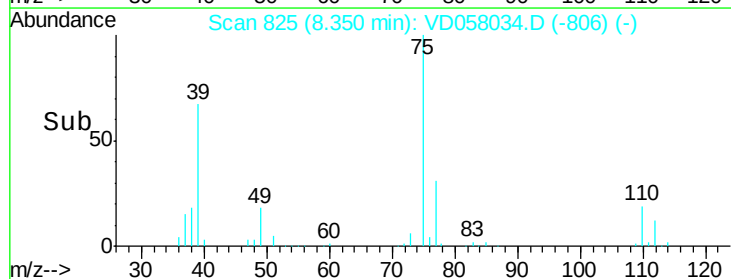
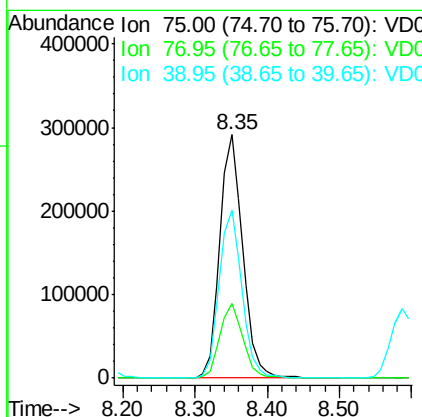
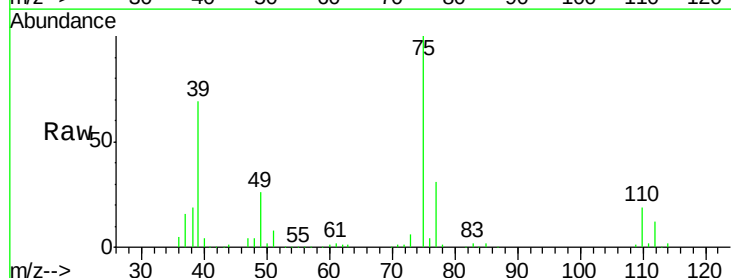
Instrument :
MSVOA_D
ClientSampleId :

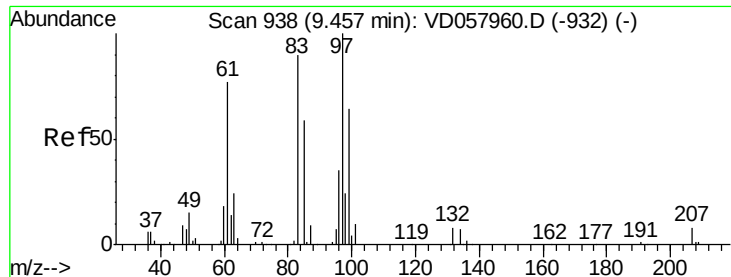
Tot Ion: 75 Resp: 552388
Ion Ratio Lower Upper
75 100
77 31.5 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 55.393 ug/l
RT: 8.35 min Scan# 825
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 75 Resp: 640081
Ion Ratio Lower Upper
75 100
77 30.8 24.1 36.1
39 69.1 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 53.994 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 273118

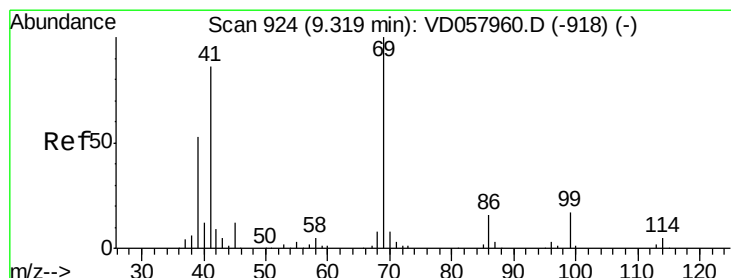
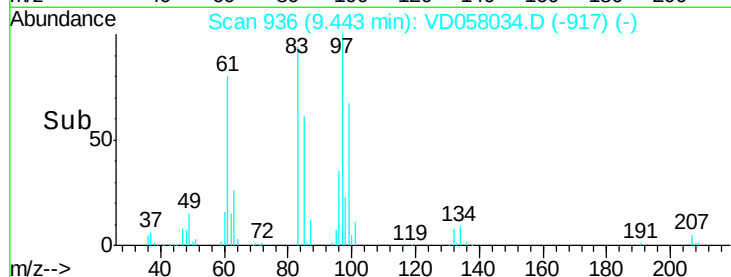
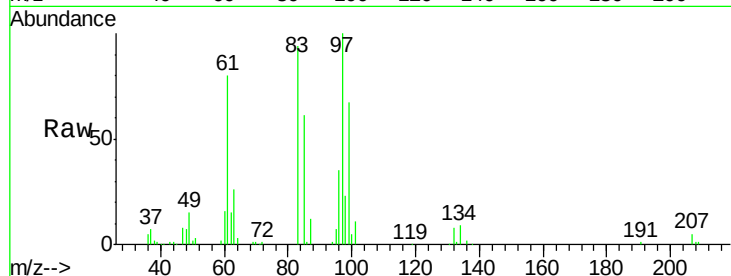
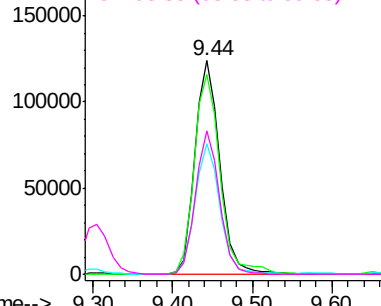
Ion	Ratio	Lower	Upper
97	100		
83	93.8	71.8	107.8
85	61.4	47.2	70.8
99	66.8	51.4	77.0

Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.141 ug/l

RT: 9.31 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

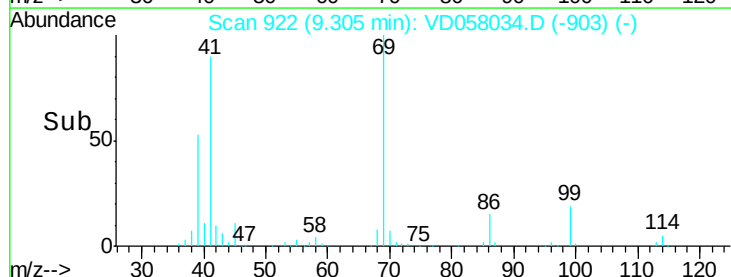
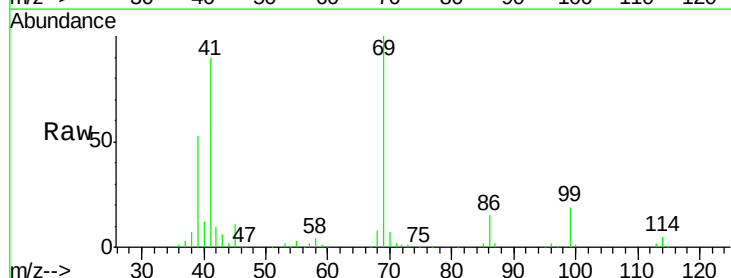
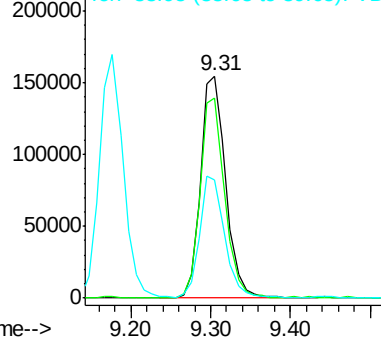
Tgt Ion: 69 Resp: 342139

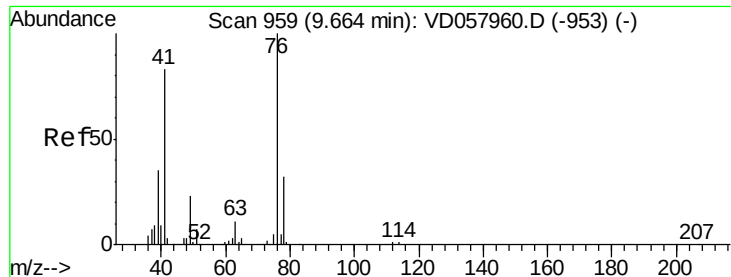
Ion	Ratio	Lower	Upper
69	100		
41	89.9	68.4	102.6
39	53.3	43.0	64.4

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: 55.465 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

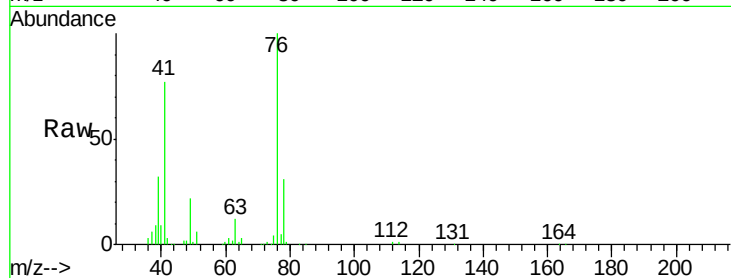
ClientSampleId :

Tot Ion: 76 Resp: 492070

Ion Ratio Lower Upper

76 100

78 30.8 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

100000

50000

0

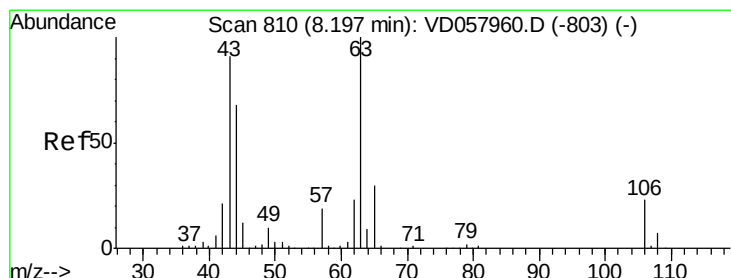
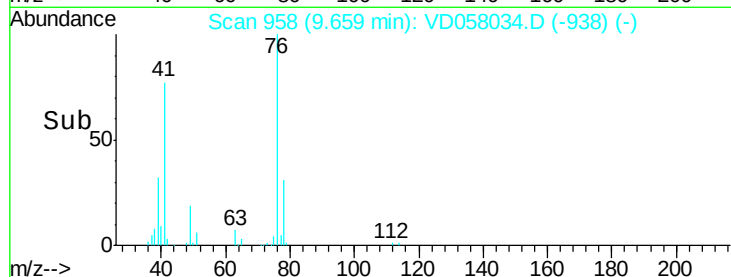
9.50

9.60

9.70

9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.957 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD058034.D

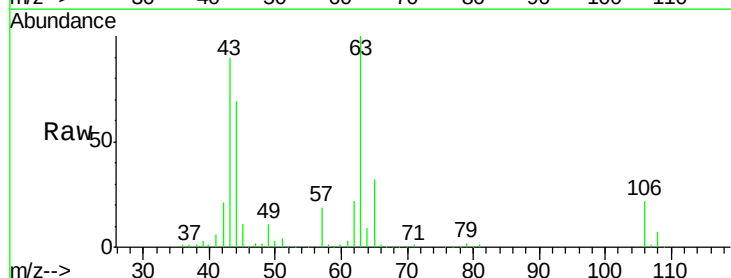
Acq: 8 Jun 2018 22:52

Tgt Ion: 63 Resp: 849398

Ion Ratio Lower Upper

63 100

106 22.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

400000

300000

200000

100000

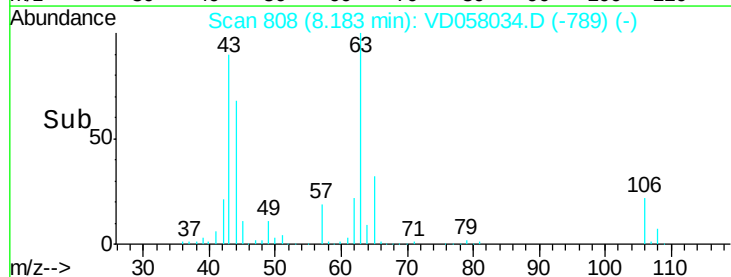
0

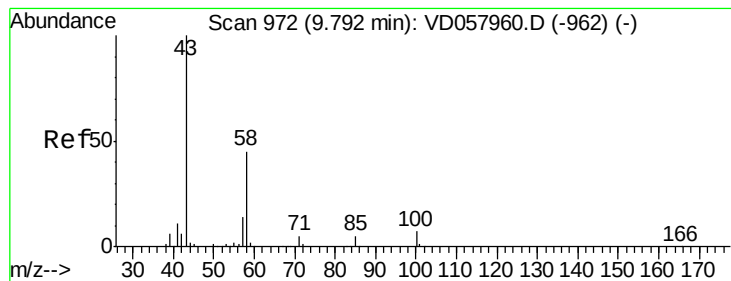
8.10

8.20

8.30

Time-->





#59

2-Hexanone

Concen: 271.865 ug/l

RT: 9.78 min Scan# 970

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

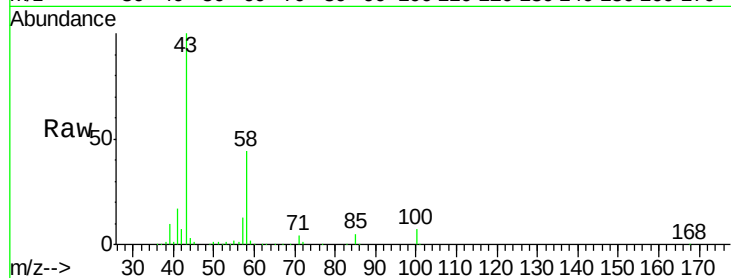
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1064723

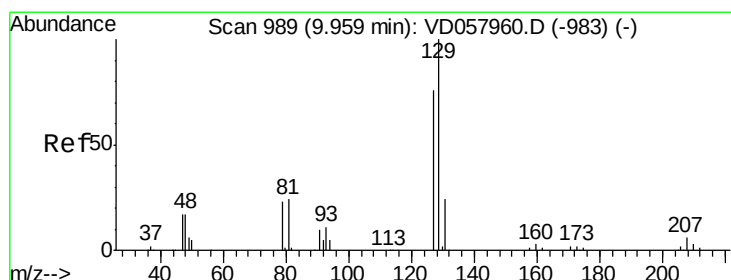
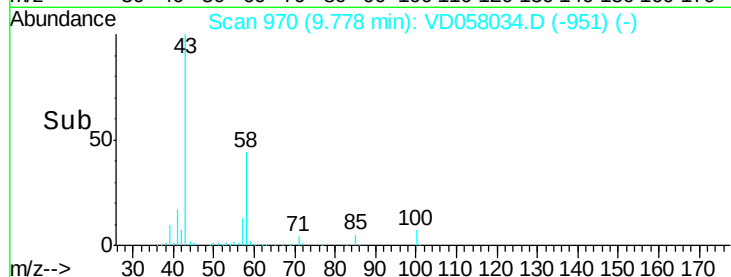
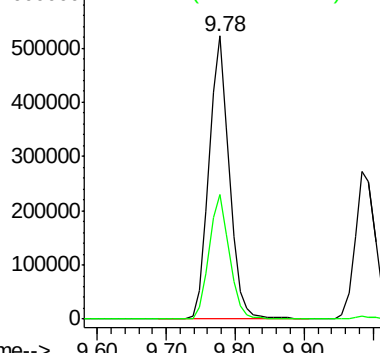
Ion Ratio Lower Upper

43 100

58 44.2 22.5 67.5



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



#60

Dibromochloromethane

Concen: 57.640 ug/l

RT: 9.94 min Scan# 987

Delta R.T. -0.01 min

Lab File: VD058034.D

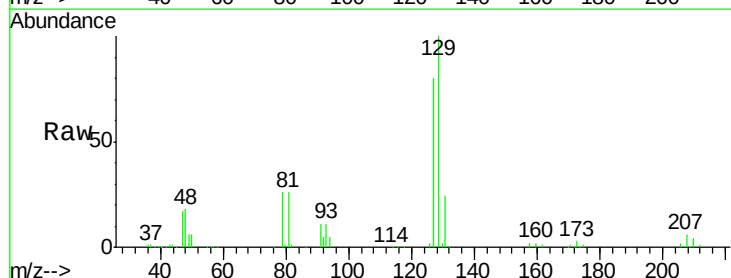
Acq: 8 Jun 2018 22:52

Tgt Ion:129 Resp: 411140

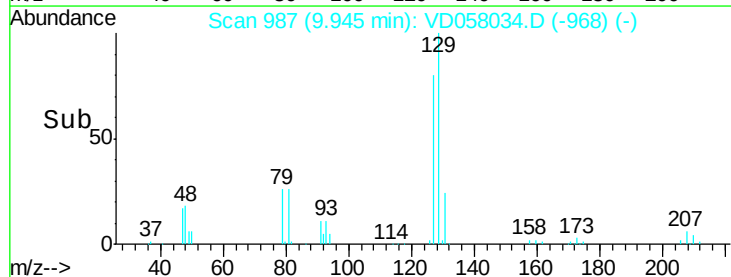
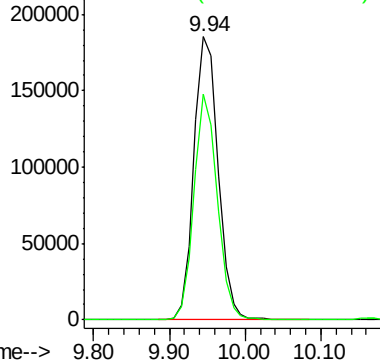
Ion Ratio Lower Upper

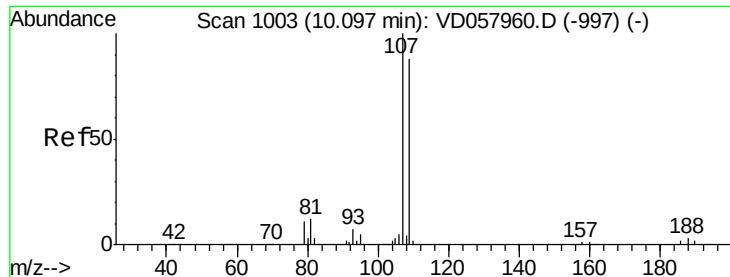
129 100

127 79.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 55.110 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

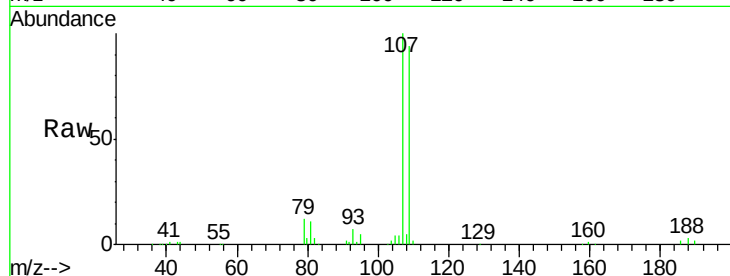
ClientSampleId :

Tot Ion:107 Resp: 320573

Ion Ratio Lower Upper

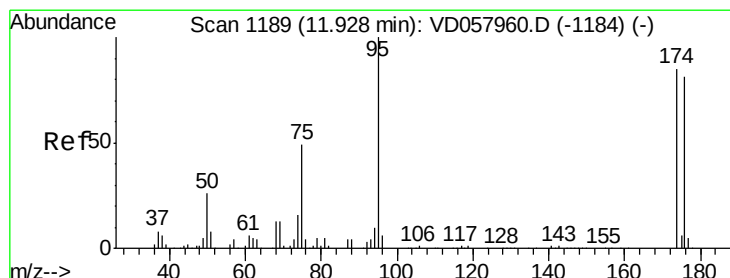
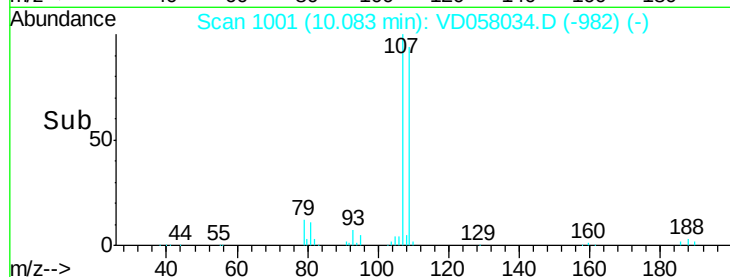
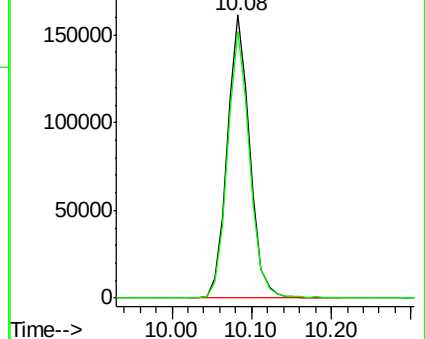
107 100

109 94.2 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.110 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

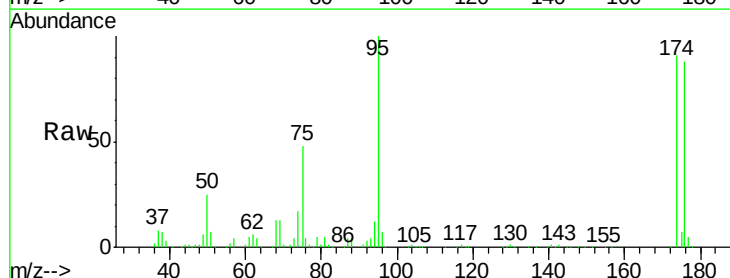
Tgt Ion: 95 Resp: 425361

Ion Ratio Lower Upper

95 100

174 91.5 0.0 169.4

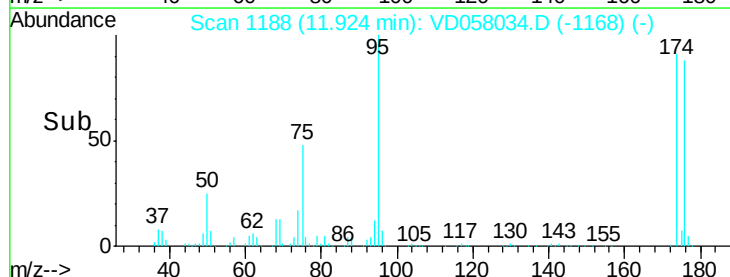
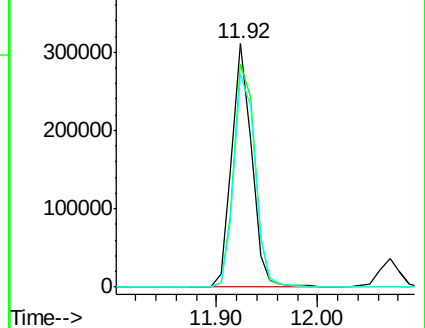
176 87.7 0.0 162.6

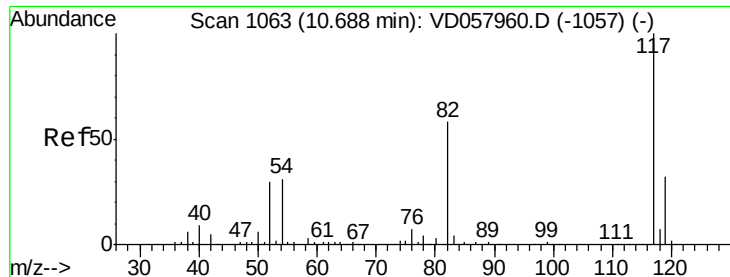


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

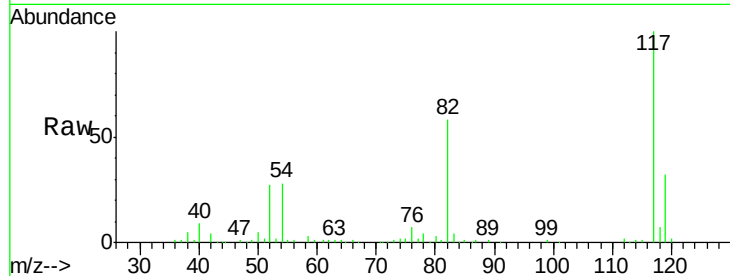




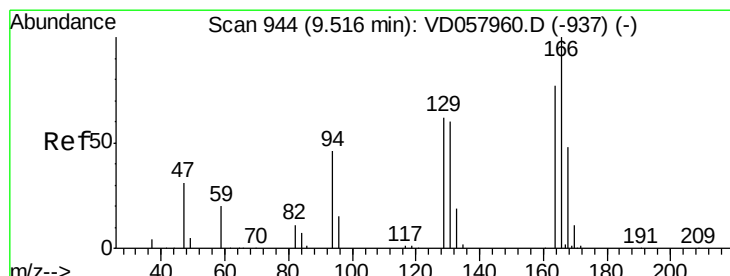
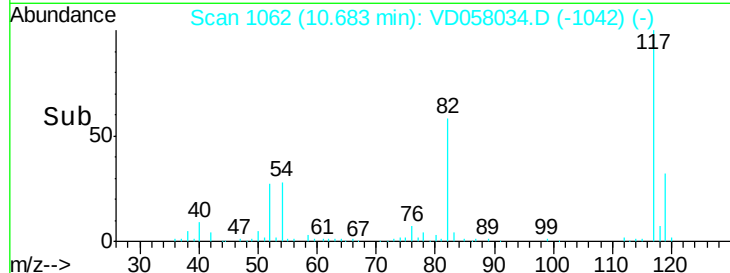
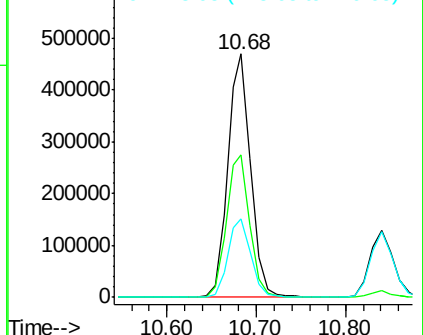
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 849579
Ion Ratio Lower Upper
117 100
82 58.3 46.8 70.2
119 32.5 25.8 38.6

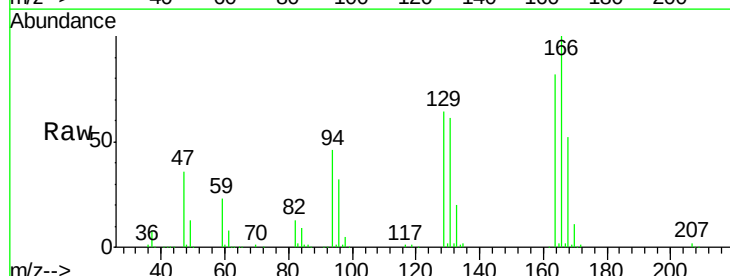


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

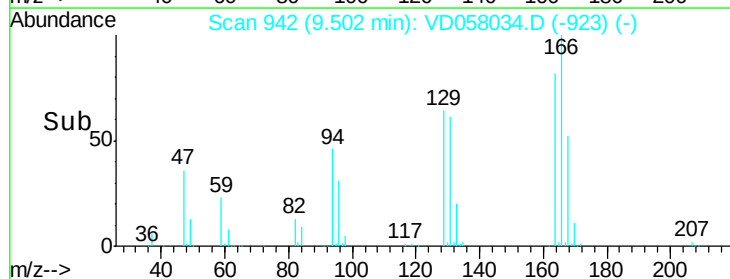
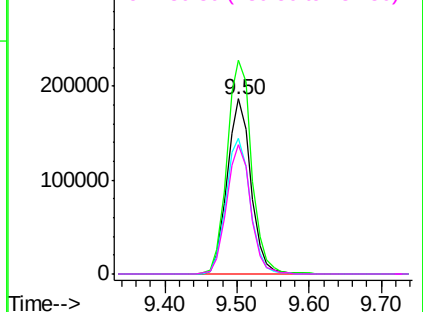


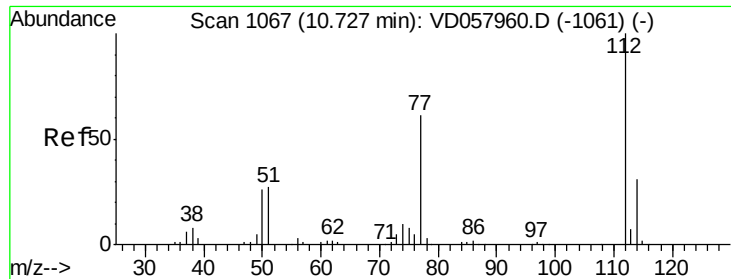
#64
Tetrachloroethene
Concen: 55.956 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion:164 Resp: 424998
Ion Ratio Lower Upper
164 100
166 122.0 104.4 156.6
129 77.8 65.0 97.6
131 74.0 62.9 94.3



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

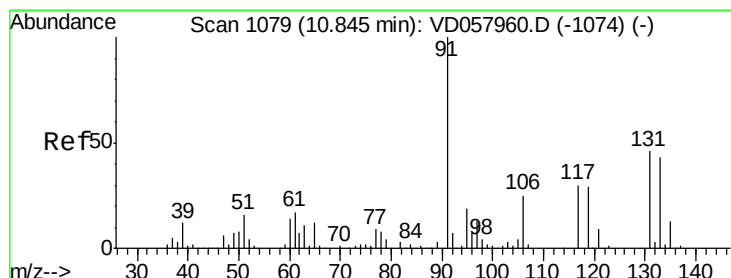
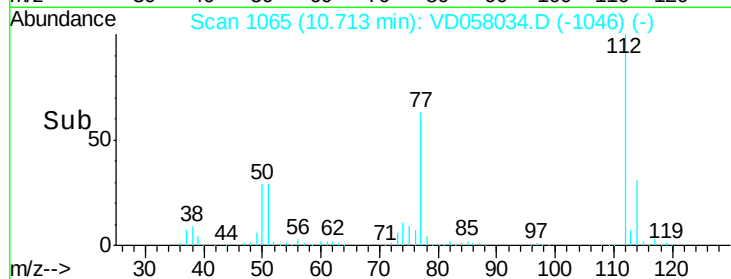
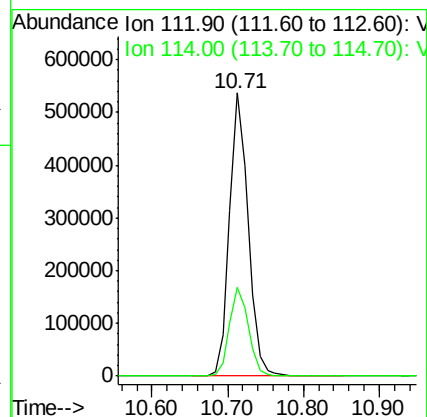
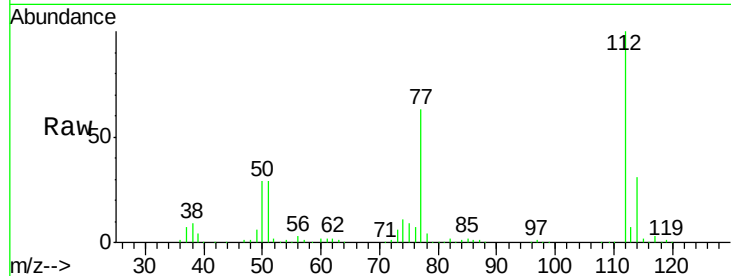




#65
Chlorobenzene
Concen: 53.406 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

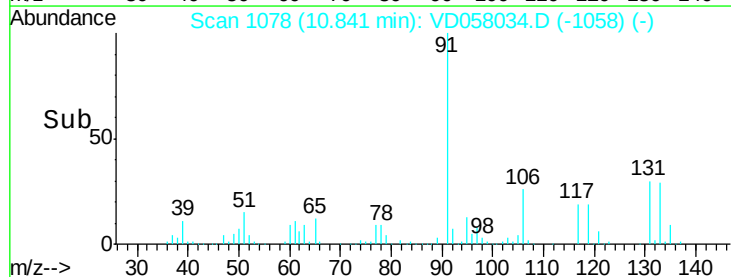
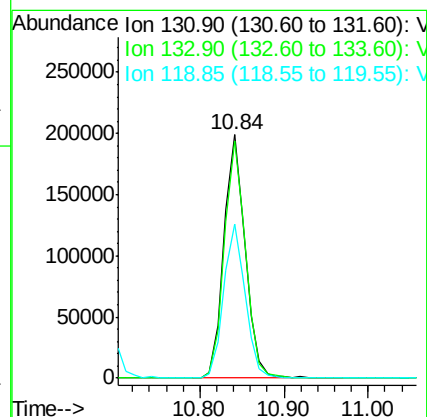
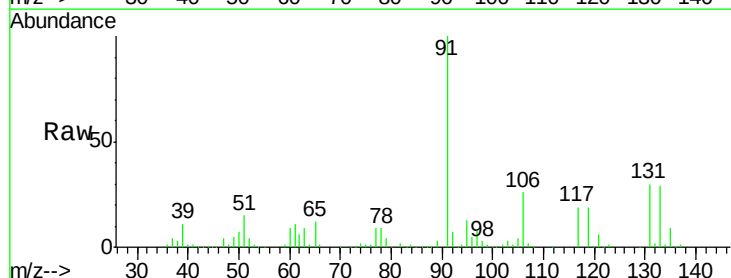
Instrument :
MSVOA_D
ClientSampleId :

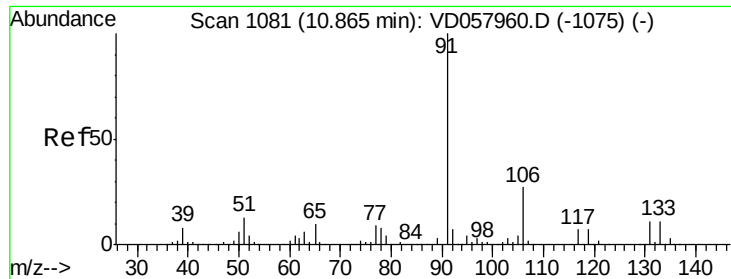
Tot Ion:112 Resp: 918533
Ion Ratio Lower Upper
112 100
114 31.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.703 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion:131 Resp: 348256
Ion Ratio Lower Upper
131 100
133 97.7 46.9 140.6
119 63.3 31.8 95.3

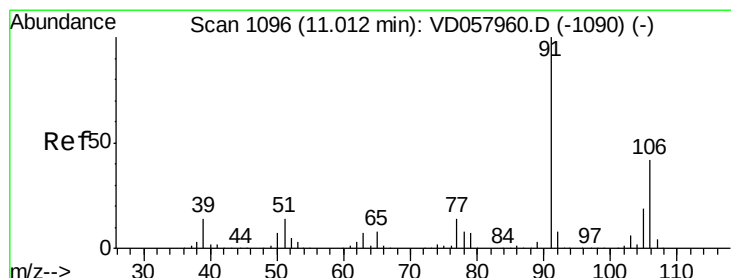
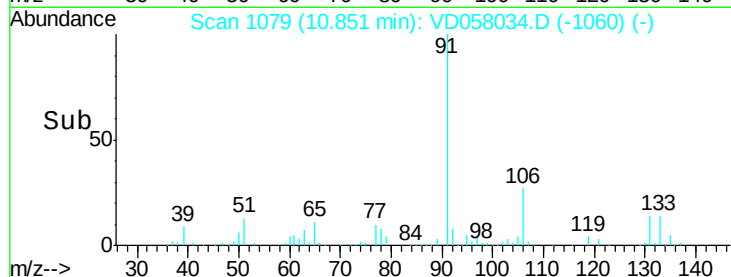
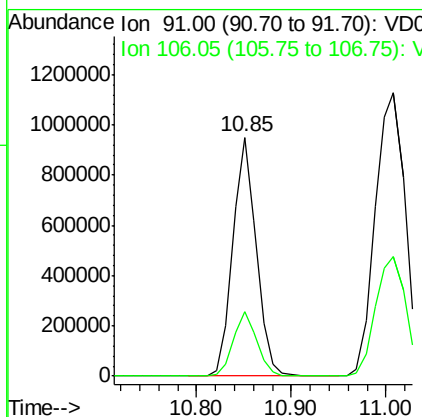
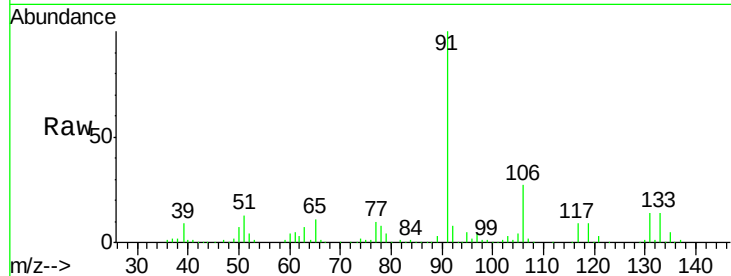




#67
Ethyl Benzene
Concen: 52.488 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

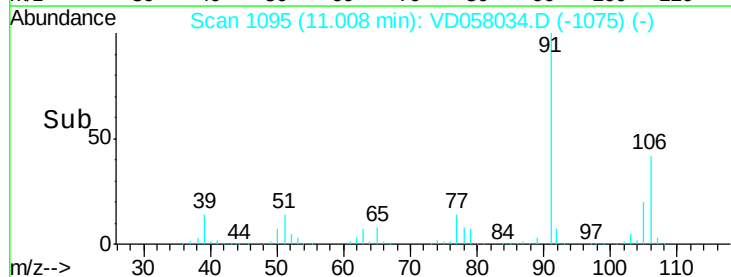
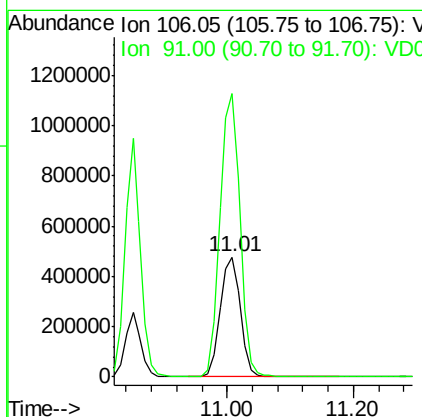
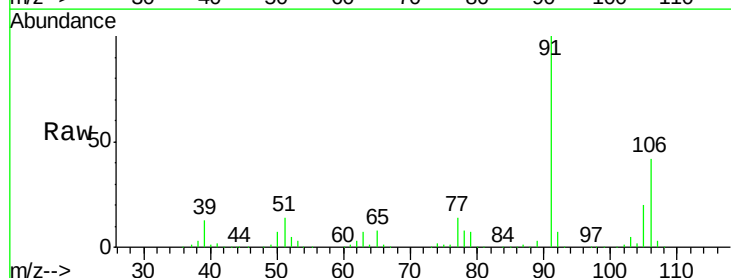
Instrument :
MSVOA_D
ClientSampleId :

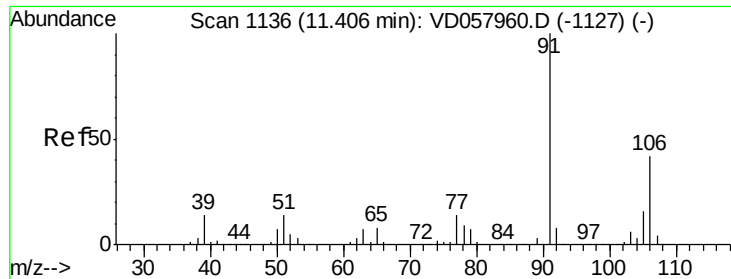
Tot Ion: 91 Resp: 1630918
Ion Ratio Lower Upper
91 100
106 27.0 21.5 32.3



#68
m/p-Xylenes
Concen: 104.888 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 106 Resp: 1062474
Ion Ratio Lower Upper
106 100
91 236.2 190.4 285.6

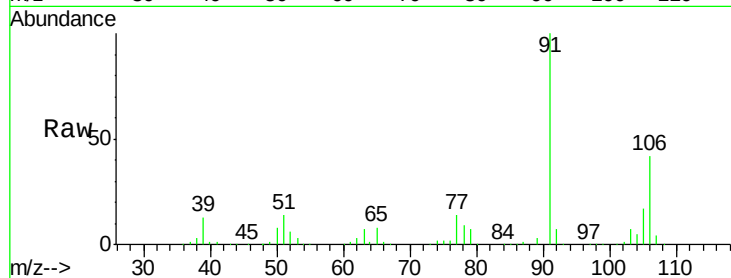




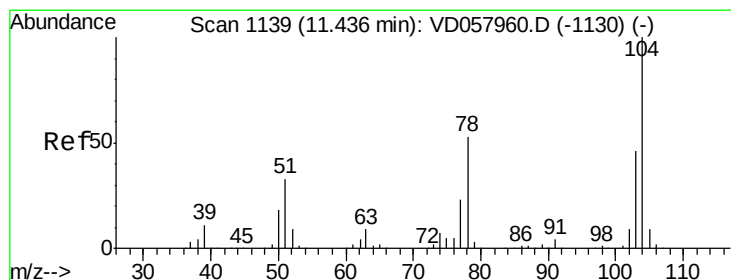
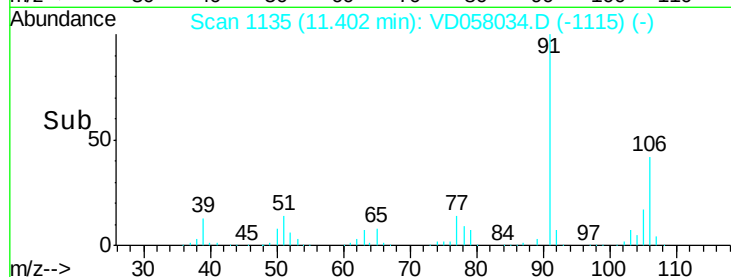
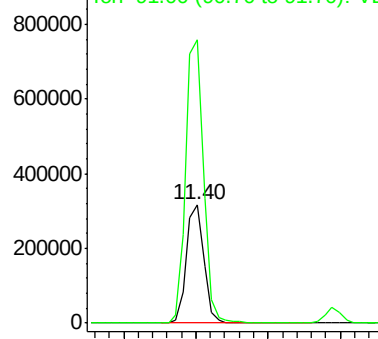
#69
o-Xylene
Concen: 52.377 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 526638
Ion Ratio Lower Upper
106 100
91 238.5 120.6 361.7

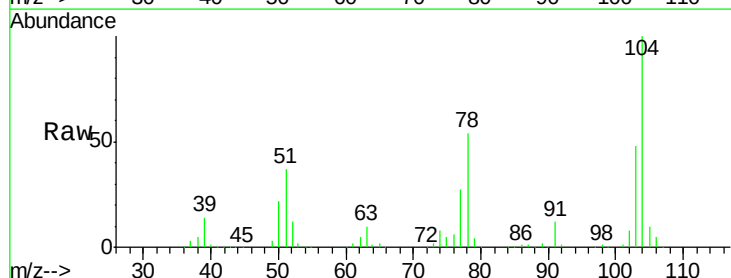


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

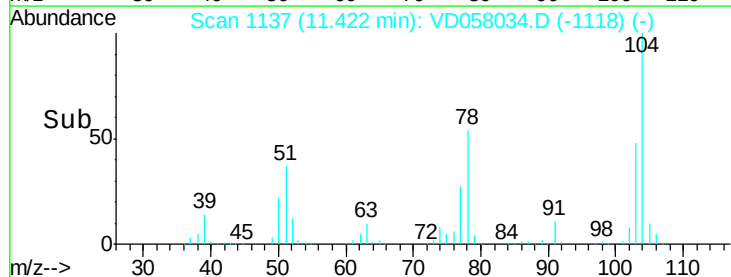
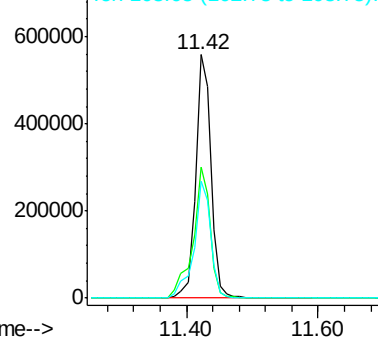


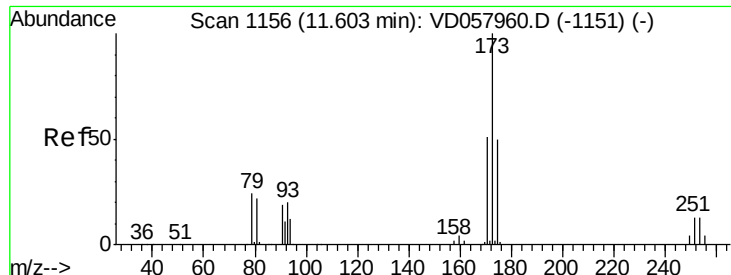
#70
Styrene
Concen: 54.301 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion:104 Resp: 903834
Ion Ratio Lower Upper
104 100
78 53.8 42.1 63.1
103 47.9 37.0 55.6



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

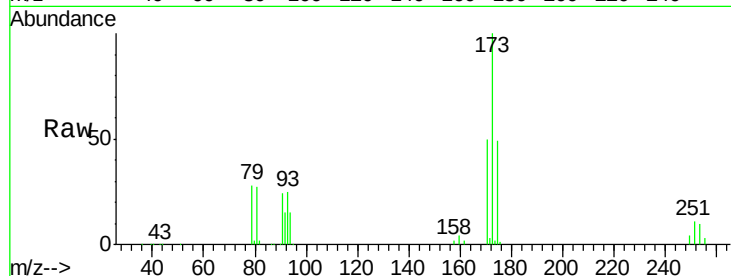




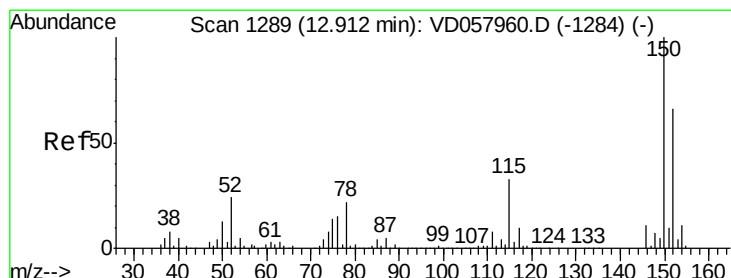
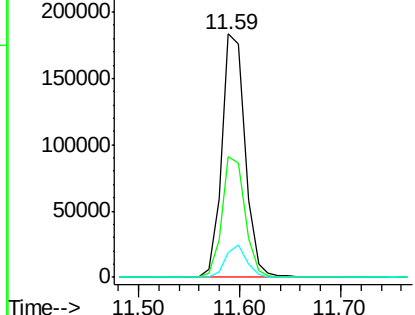
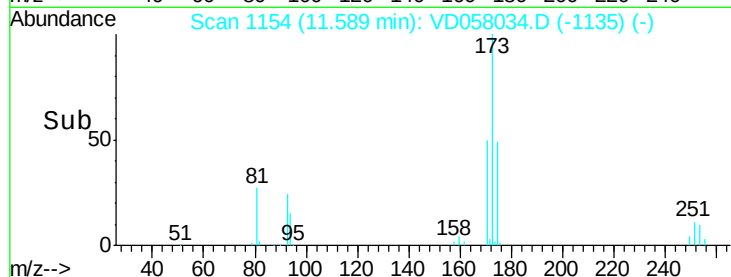
#71
Bromoform
Concen: 59.205 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 294304
Ion Ratio Lower Upper
173 100
175 49.4 25.1 75.2
254 10.4 10.7 16.1#

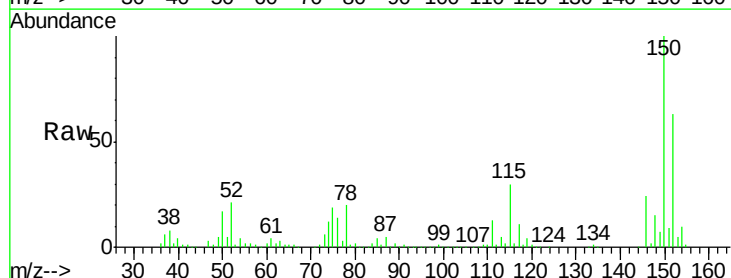


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

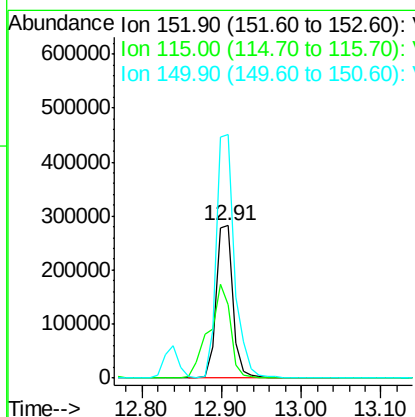
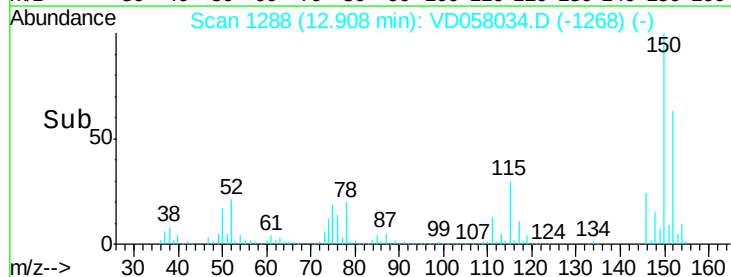


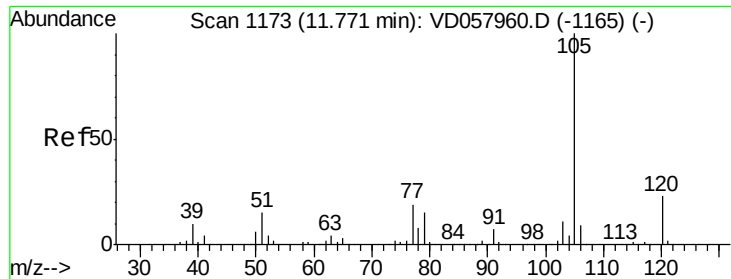
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion:152 Resp: 421357
Ion Ratio Lower Upper
152 100
115 48.2 25.6 76.6
150 159.7 0.0 306.8



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: 55.359 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

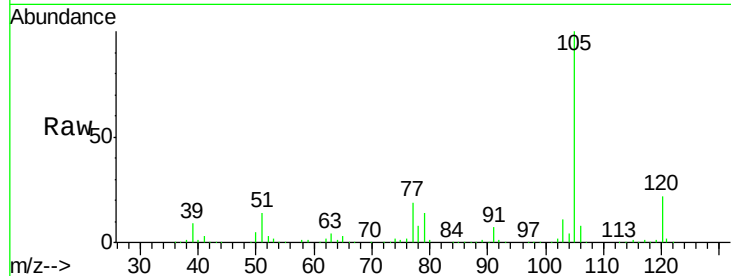
ClientSampleID :

Tot Ion:105 Resp: 1545001

Ion Ratio Lower Upper

105 100

120 22.3 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

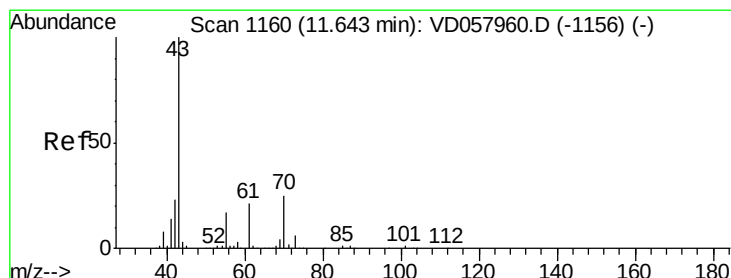
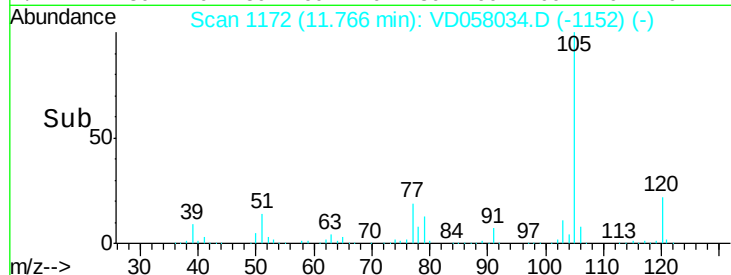
200000

0

11.77

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 56.818 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Tgt Ion: 43 Resp: 611887

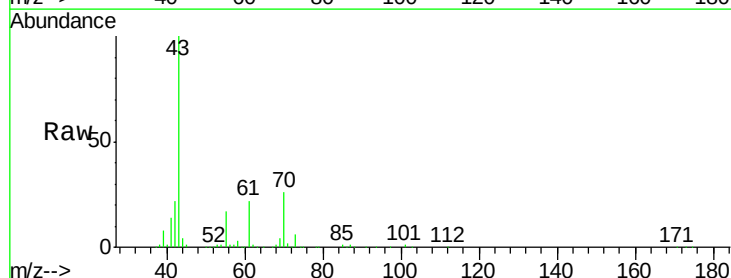
Ion Ratio Lower Upper

43 100

70 26.1 20.3 30.5

55 17.3 13.9 20.9

61 21.6 16.6 24.8



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

600000

400000

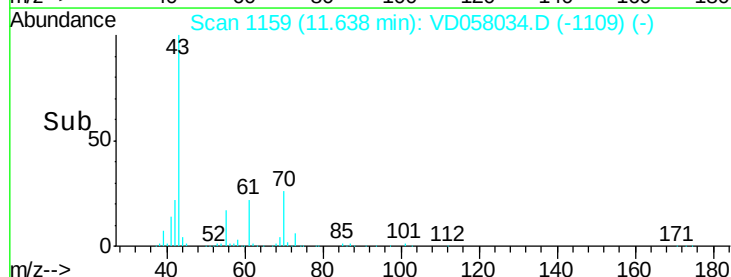
200000

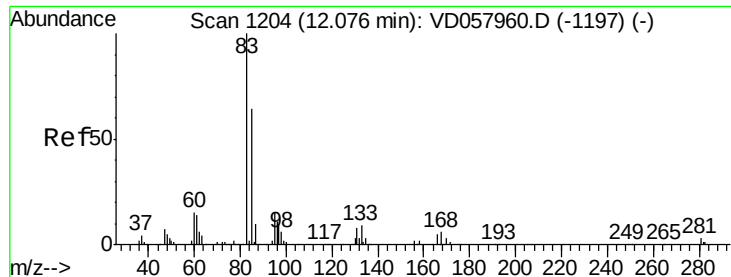
0

11.64

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.087 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

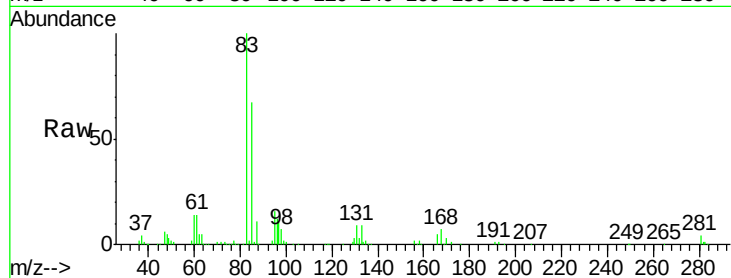
Tot Ion: 83 Resp: 335192

Ion Ratio Lower Upper

83 100

131 8.7 4.2 12.6

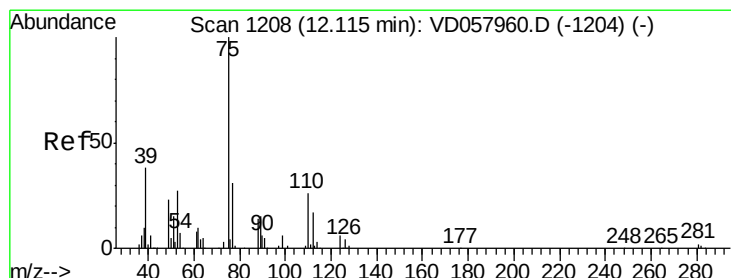
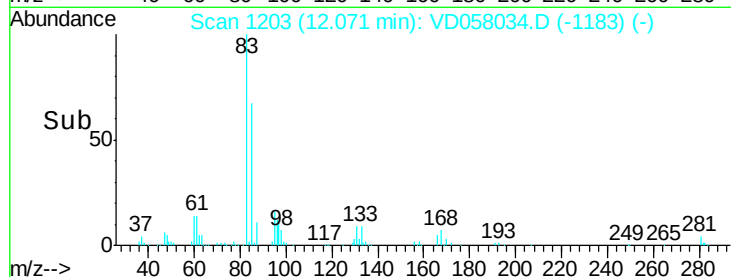
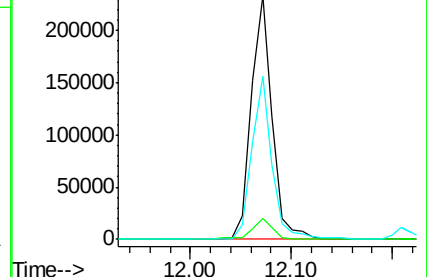
85 66.7 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.685 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VD058034.D

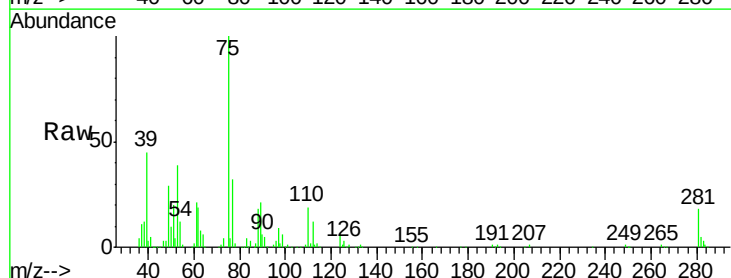
Acq: 8 Jun 2018 22:52

Tgt Ion: 75 Resp: 352453

Ion Ratio Lower Upper

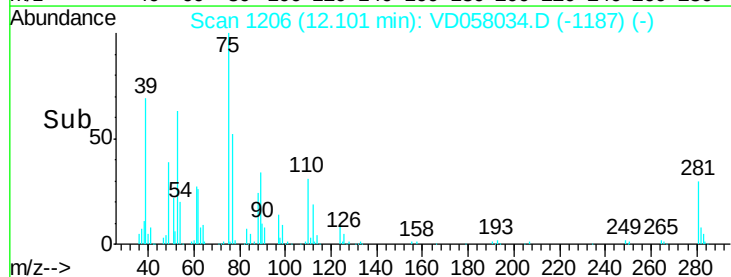
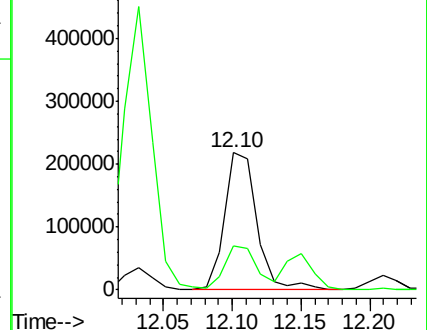
75 100

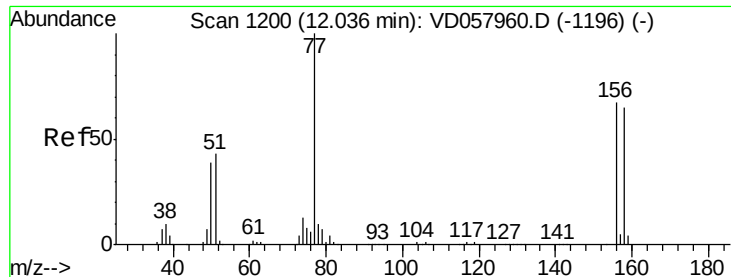
77 32.1 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.567 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

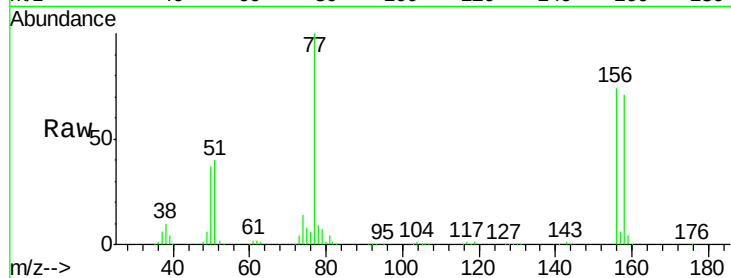
Tot Ion:156 Resp: 459043

Ion Ratio Lower Upper

156 100

77 135.5 75.0 224.8

158 95.6 48.6 145.9

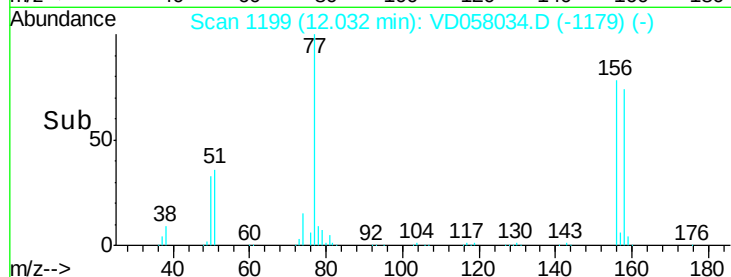


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

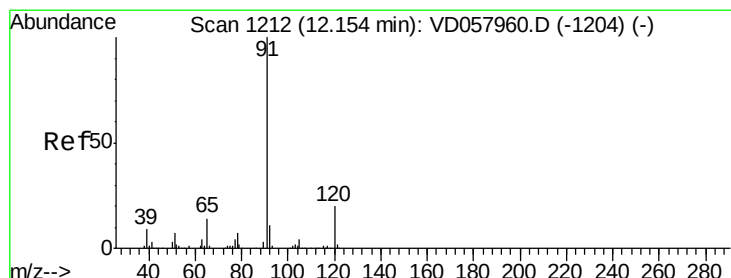
Ion 157.85 (157.55 to 158.55): V

Time-->



12.03

Time-->



#78

n-propylbenzene

Concen: 53.778 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD058034.D

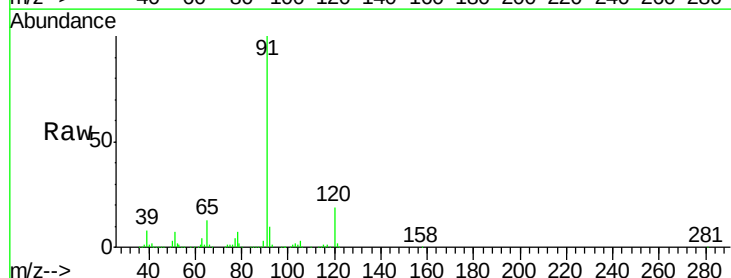
Acq: 8 Jun 2018 22:52

Tgt Ion: 91 Resp: 1952996

Ion Ratio Lower Upper

91 100

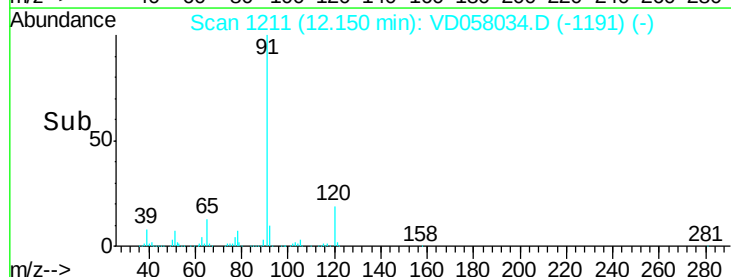
120 18.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

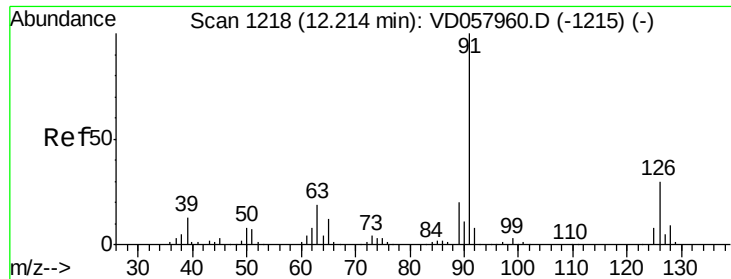
Ion 120.05 (119.75 to 120.75): V

Time-->



12.15

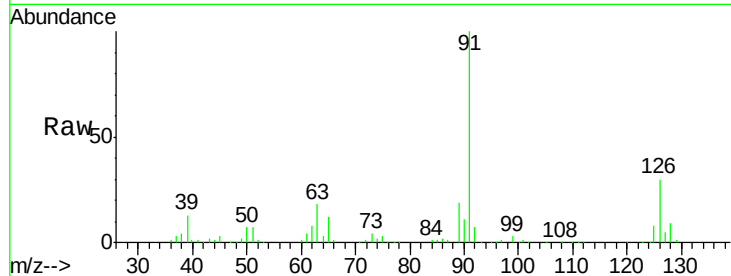
Time-->



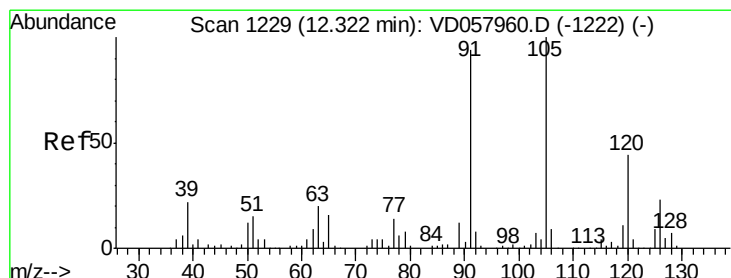
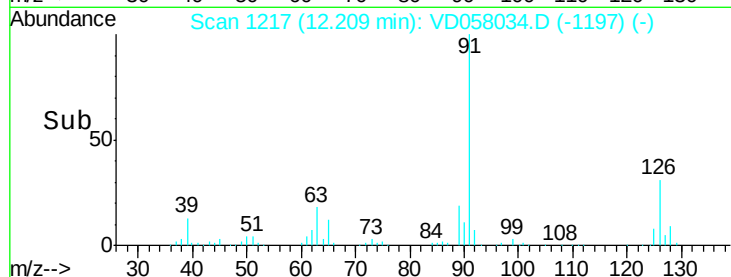
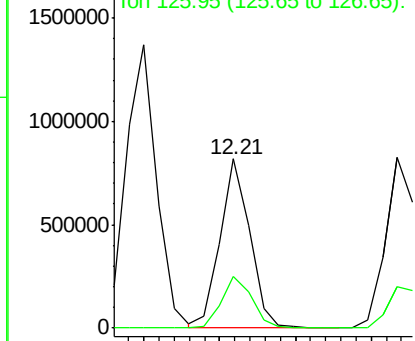
#79
 2-Chlorotoluene
 Concen: 54.009 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1118962
 Ion Ratio Lower Upper
 91 100
 126 30.5 14.6 44.0

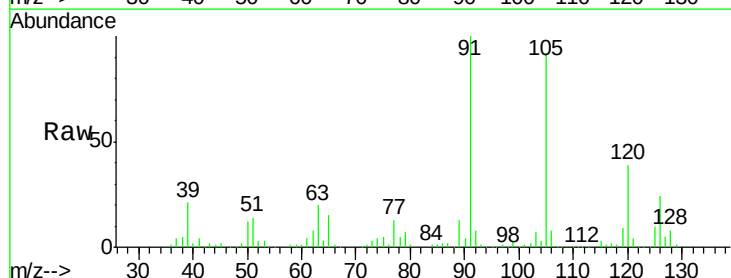


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

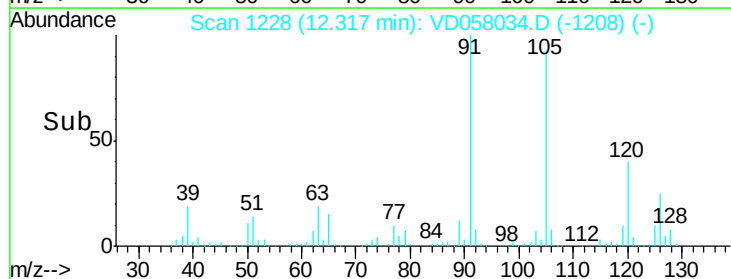
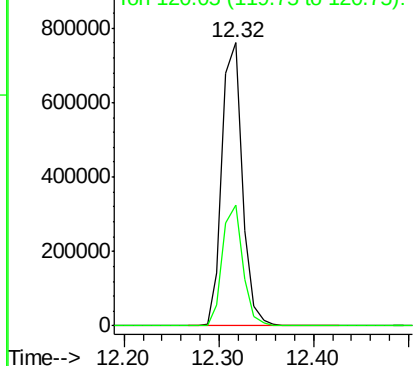


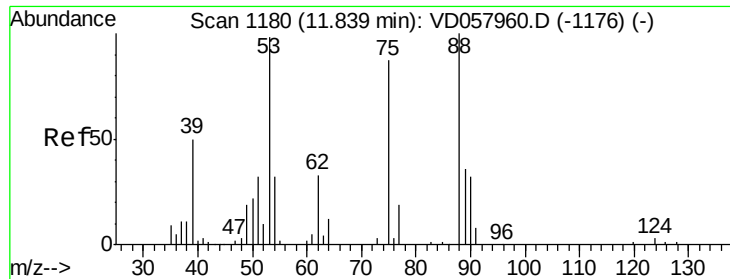
#80
 1,3,5-Trimethylbenzene
 Concen: 52.047 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion: 105 Resp: 1132796
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 60.301 ug/l

RT: 11.84 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampleId :

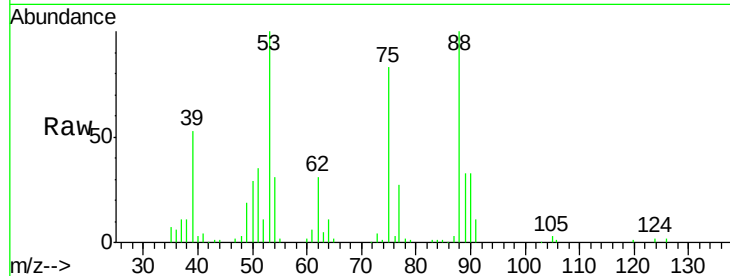
Tot Ion: 75 Resp: 94534

Ion Ratio Lower Upper

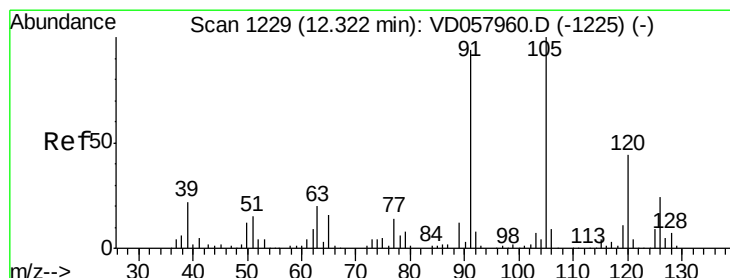
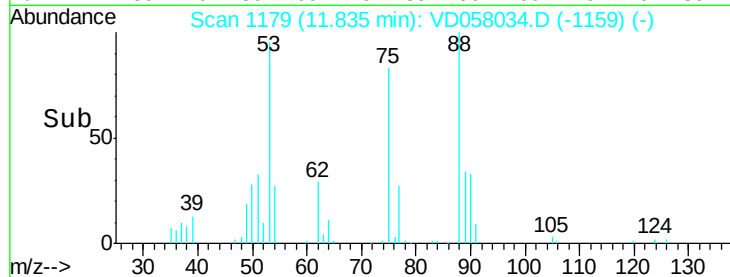
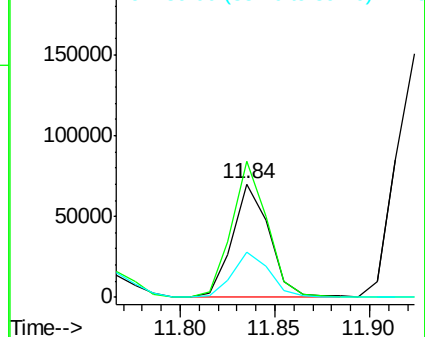
75 100

53 120.7 89.3 133.9

89 40.3 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 59.679 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD058034.D

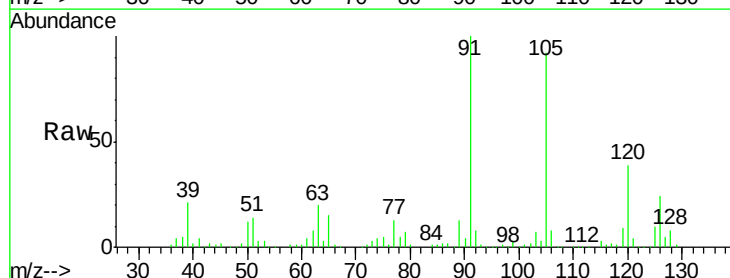
Acq: 8 Jun 2018 22:52

Tgt Ion: 91 Resp: 1190037

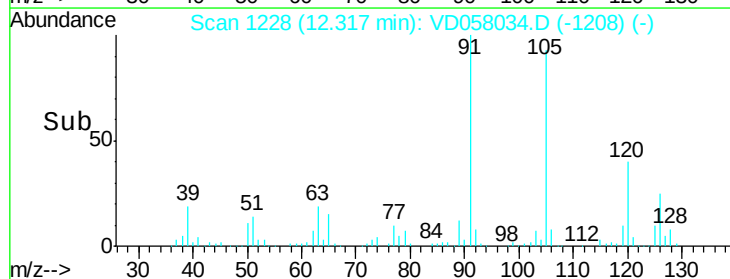
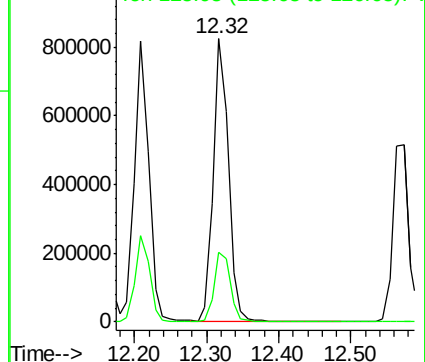
Ion Ratio Lower Upper

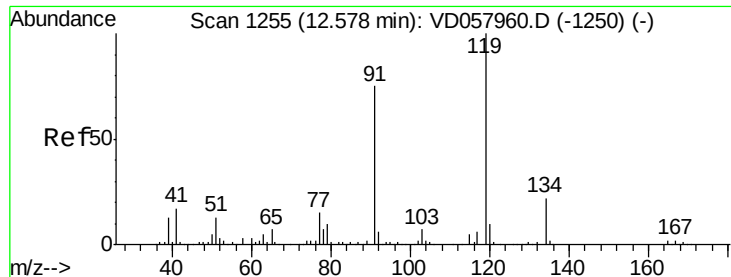
91 100

126 24.5 12.5 37.5



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





#83

tert-Butylbenzene

Concen: 52.417 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

ClientSampled :

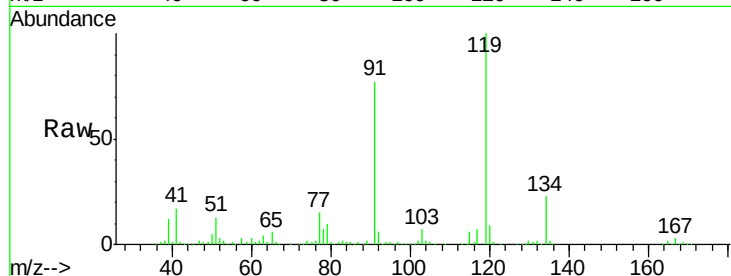
Tot Ion:119 Resp: 1288186

Ion Ratio Lower Upper

119 100

91 77.3 37.6 112.9

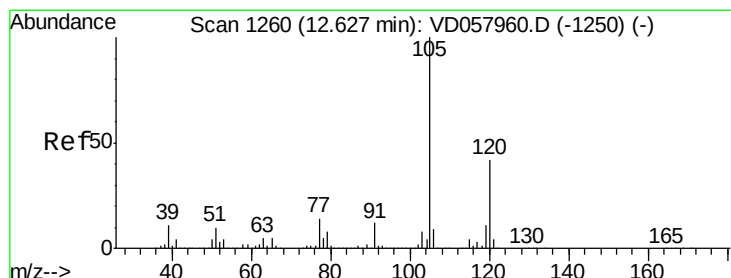
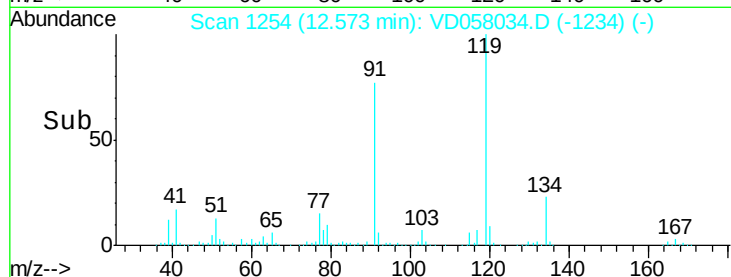
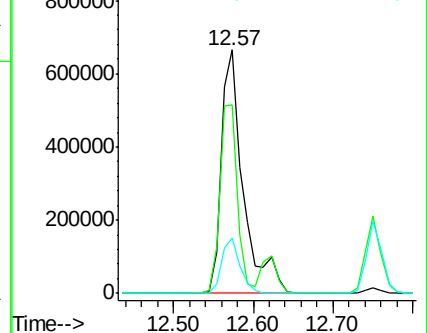
134 22.5 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.893 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VD058034.D

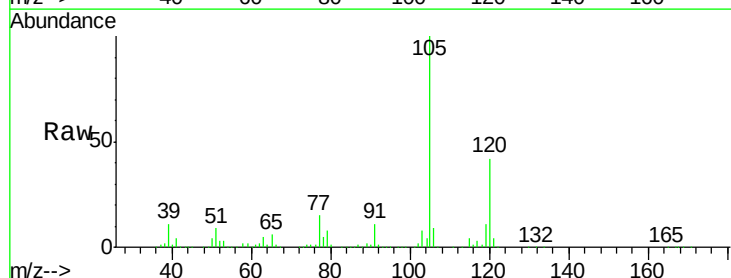
Acq: 8 Jun 2018 22:52

Tgt Ion:105 Resp: 1237785

Ion Ratio Lower Upper

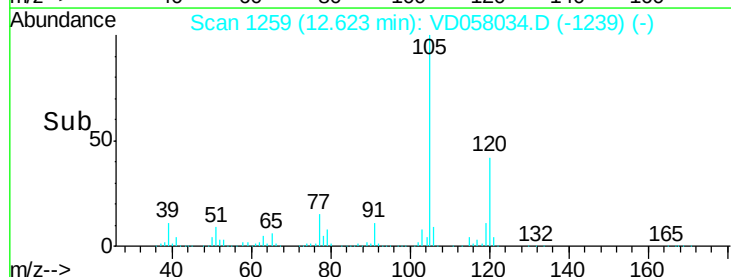
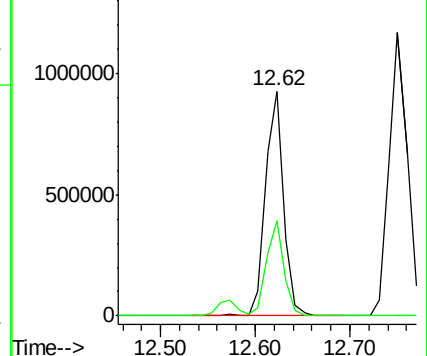
105 100

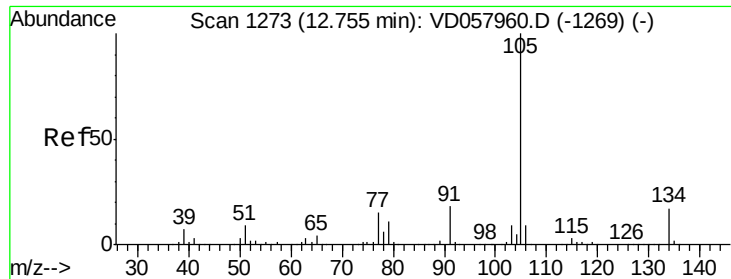
120 42.1 21.2 63.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.040 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

Instrument :

MSVOA_D

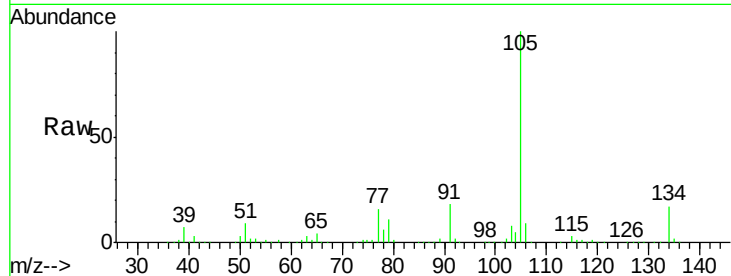
ClientSampleId :

Tot Ion:105 Resp: 1573140

Ion Ratio Lower Upper

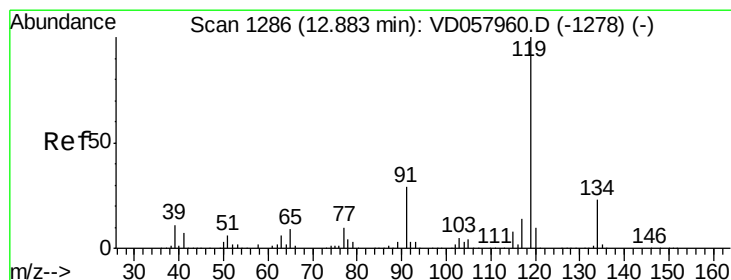
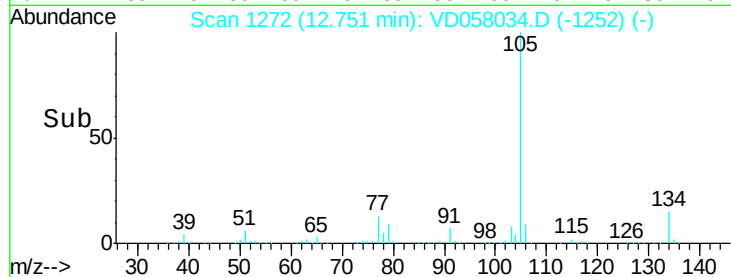
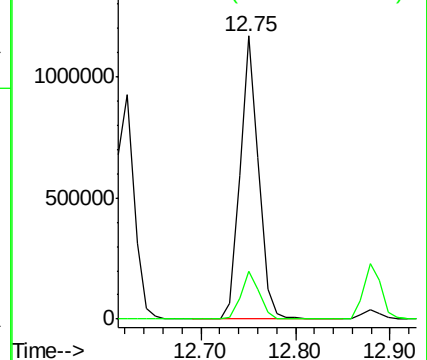
105 100

134 16.8 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.045 ug/l

RT: 12.88 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD058034.D

Acq: 8 Jun 2018 22:52

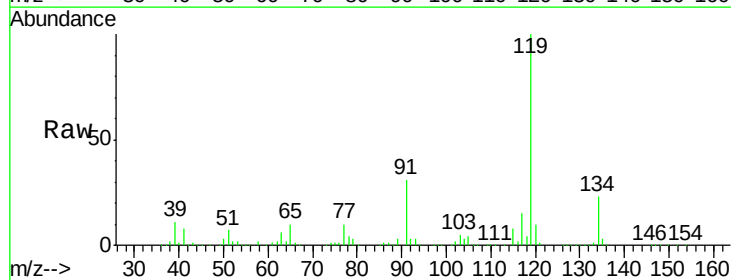
Tgt Ion:119 Resp: 1244138

Ion Ratio Lower Upper

119 100

134 23.4 11.5 34.4

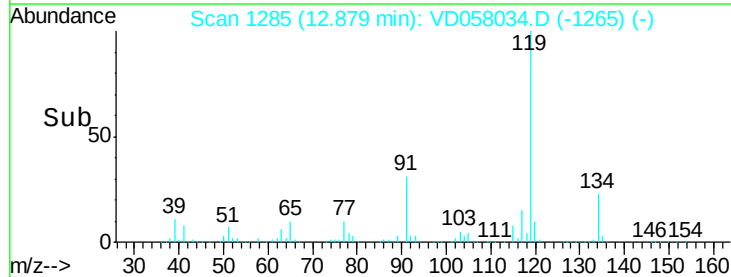
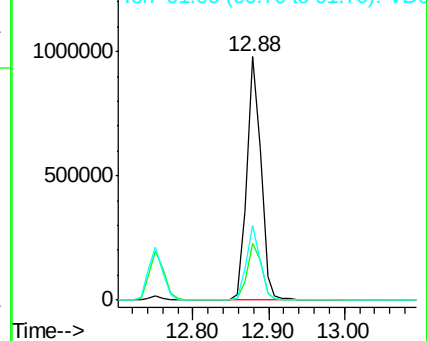
91 30.8 14.5 43.6

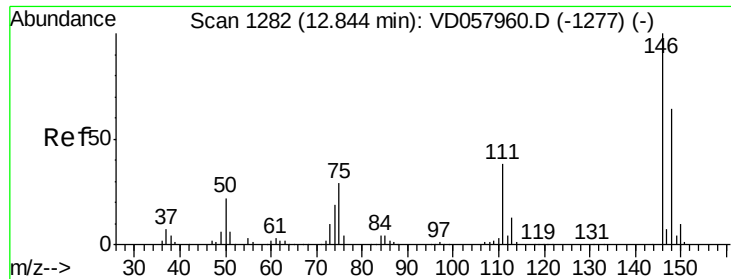


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

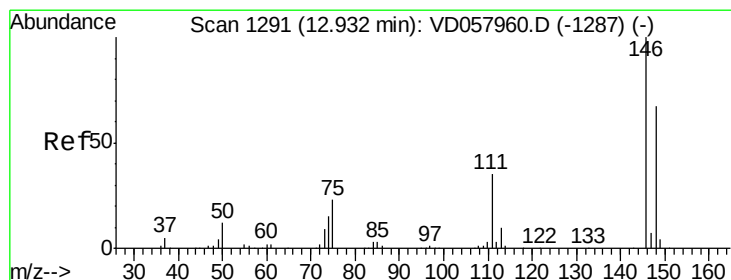
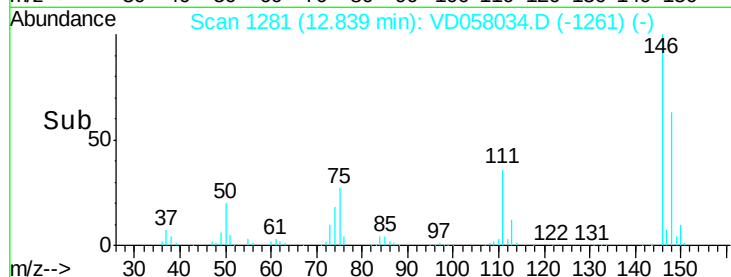
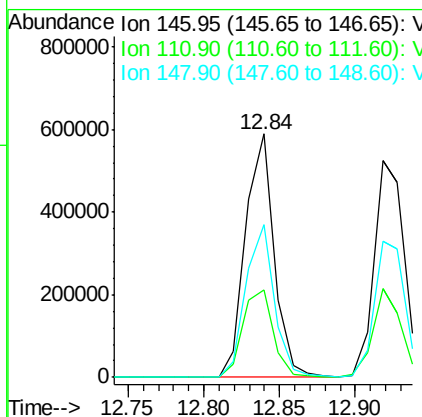
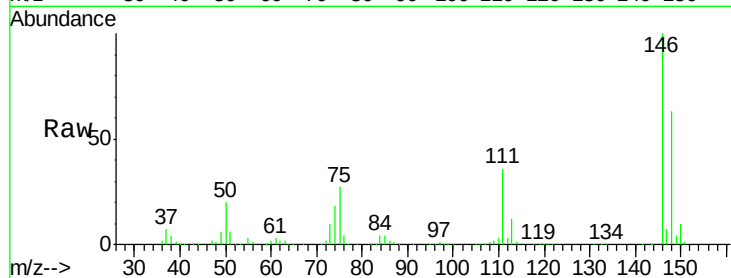




#87
 1,3-Dichlorobenzene
 Concen: 55.656 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

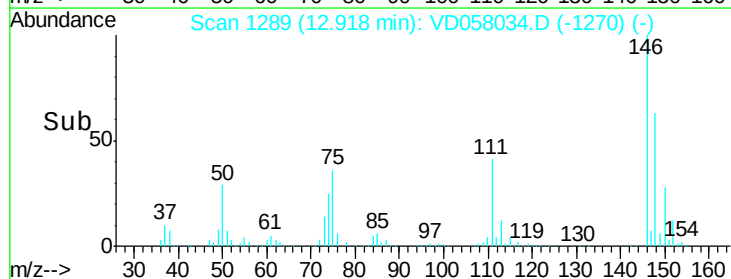
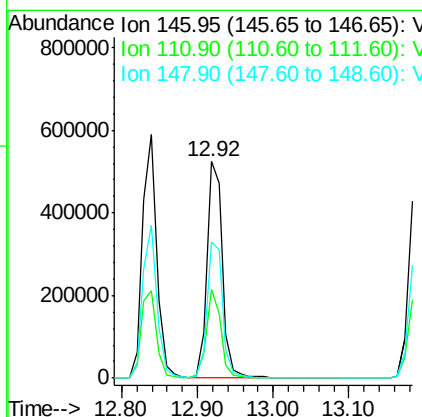
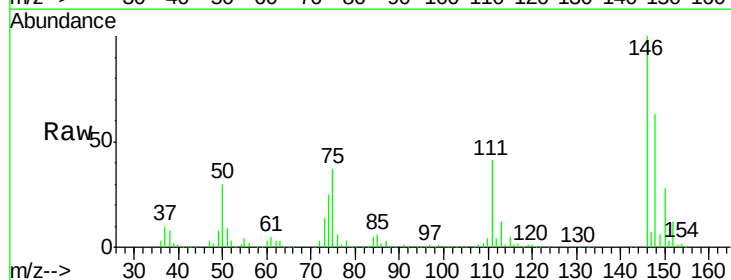
Instrument :
 MSVOA_D
 ClientSampleId :

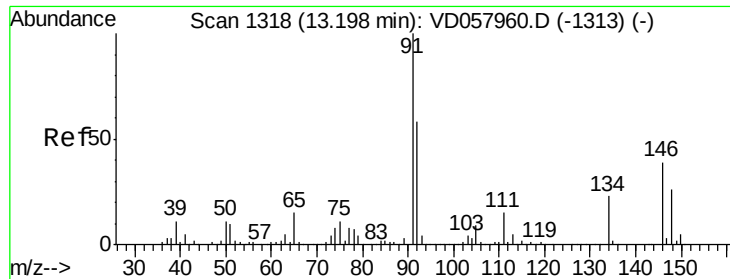
Tot Ion:146 Resp: 777757
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.1 57.3
 148 62.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 54.881 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion:146 Resp: 747225
 Ion Ratio Lower Upper
 146 100
 111 40.9 17.3 52.0
 148 62.7 33.4 100.2

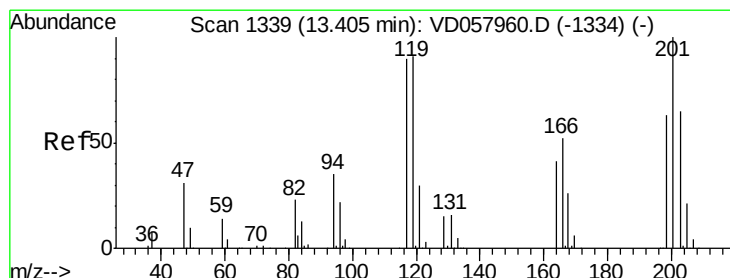
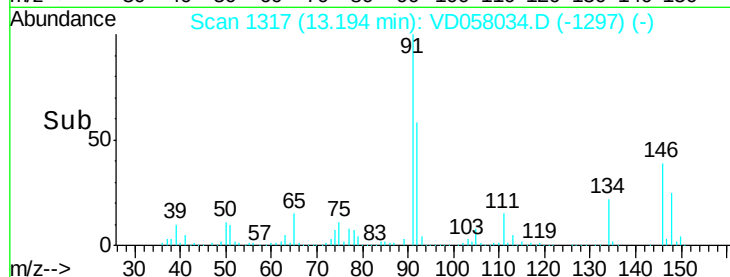
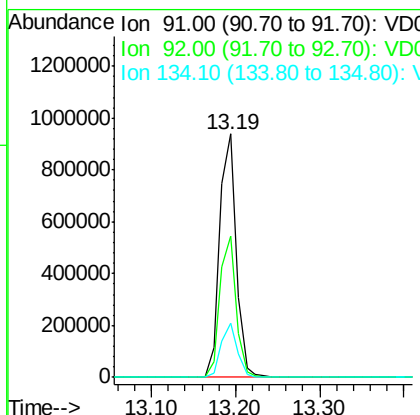
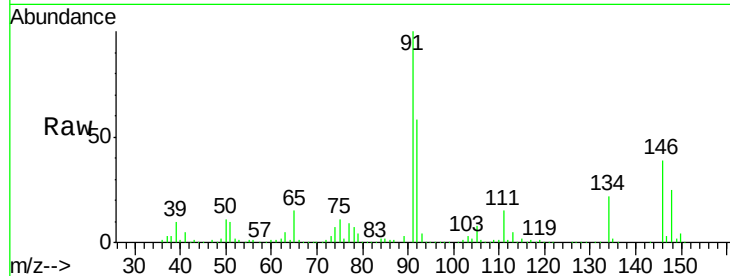




#89
n-Butylbenzene
Concen: 60.970 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

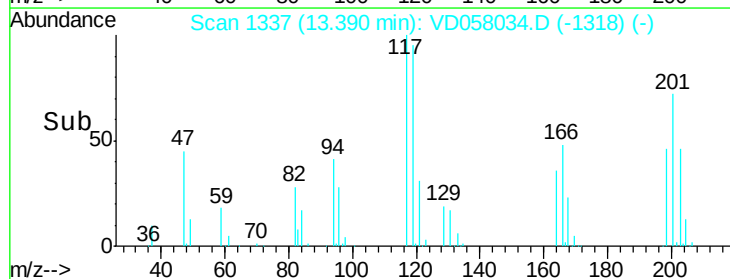
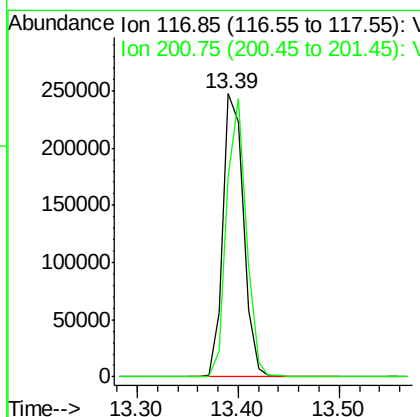
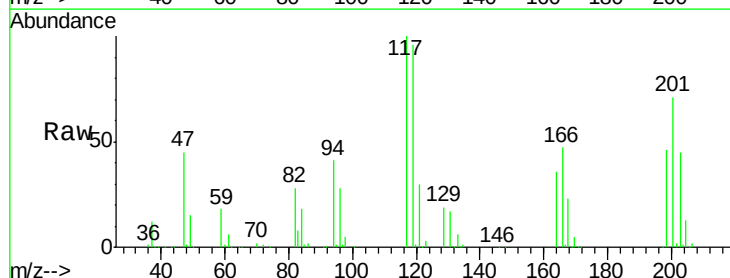
Instrument :
MSVOA_D
ClientSampleId :

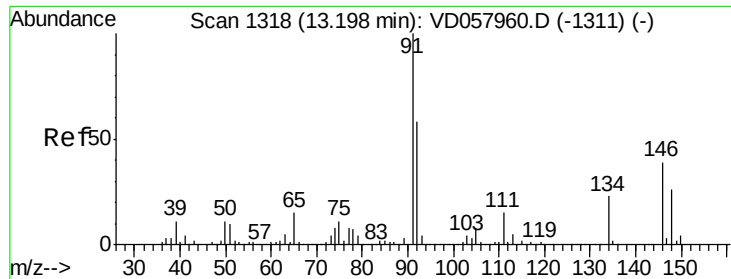
Tot Ion: 91 Resp: 1292175
Ion Ratio Lower Upper
91 100
92 58.1 29.2 87.6
134 22.4 11.3 33.9



#90
Hexachloroethane
Concen: 57.998 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion: 117 Resp: 353867
Ion Ratio Lower Upper
117 100
201 70.9 55.4 166.0

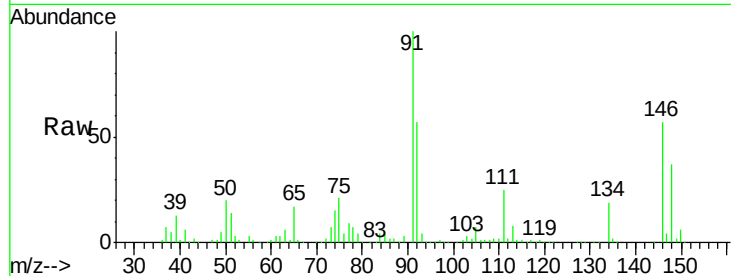




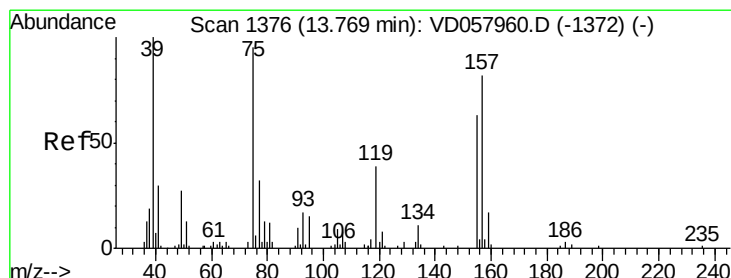
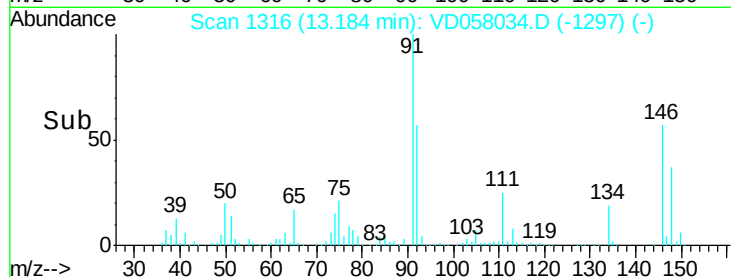
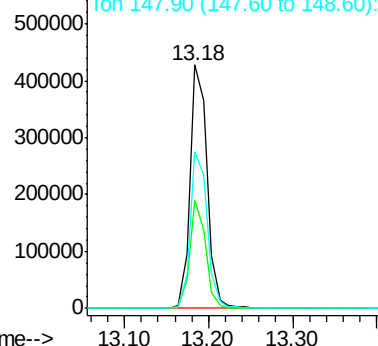
#91
 1,2-Dichlorobenzene
 Concen: 52.776 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 596009
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.4 58.2
 148 64.3 32.6 98.0

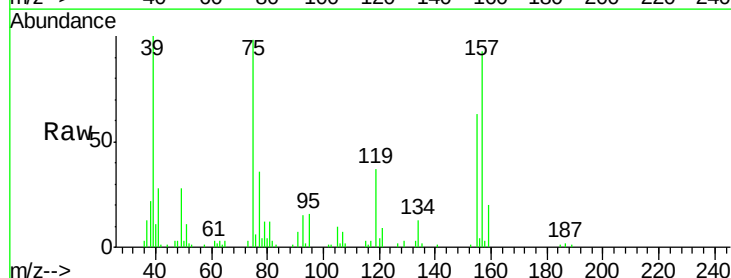


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

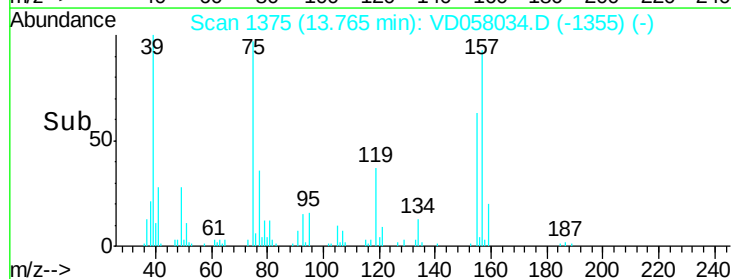
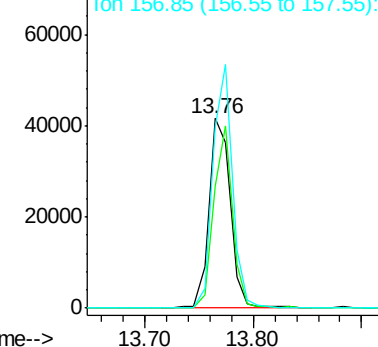


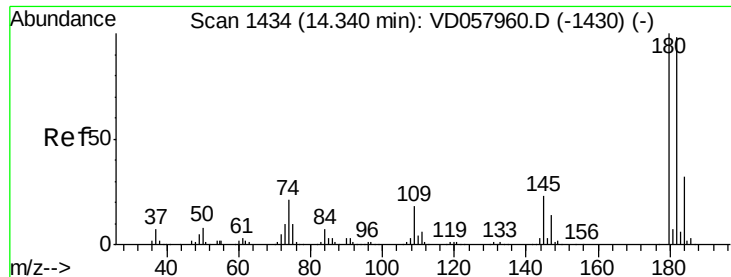
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.074 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion: 75 Resp: 57354
 Ion Ratio Lower Upper
 75 100
 155 64.2 33.4 100.1
 157 95.3 42.9 128.5



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

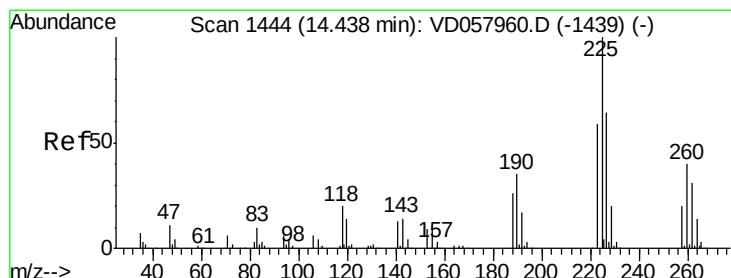
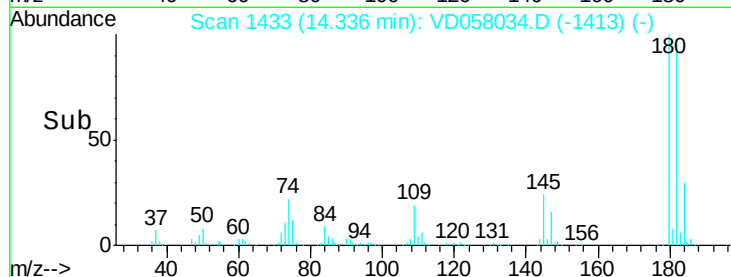
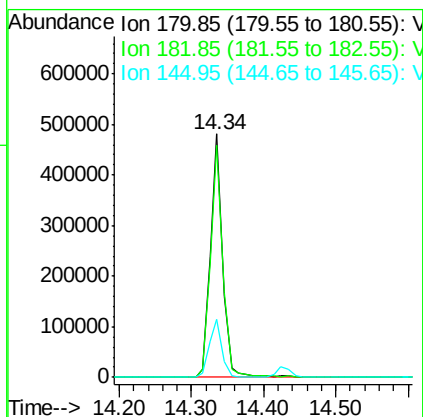
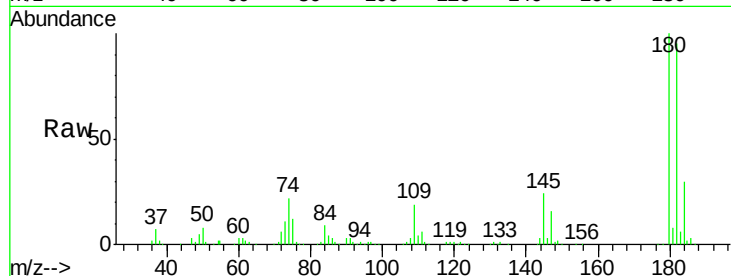




#93
 1,2,4-Trichlorobenzene
 Concen: 53.428 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

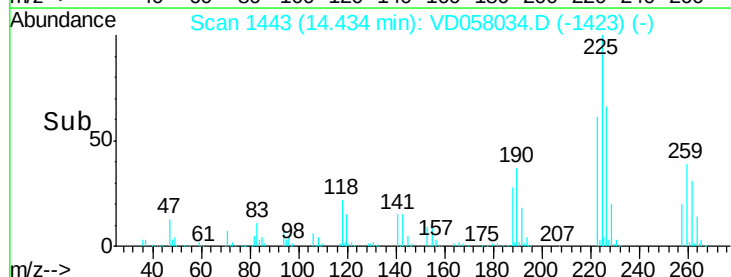
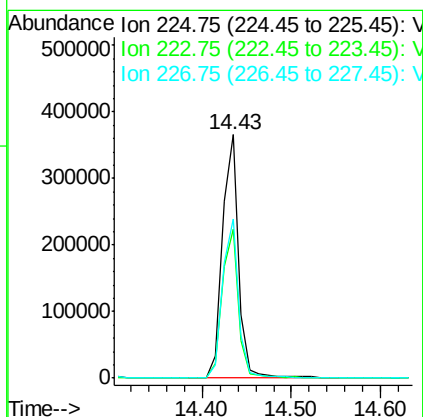
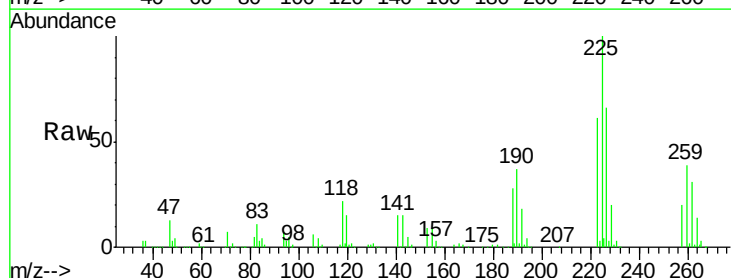
Instrument :
 MSVOA_D
 ClientSampled :

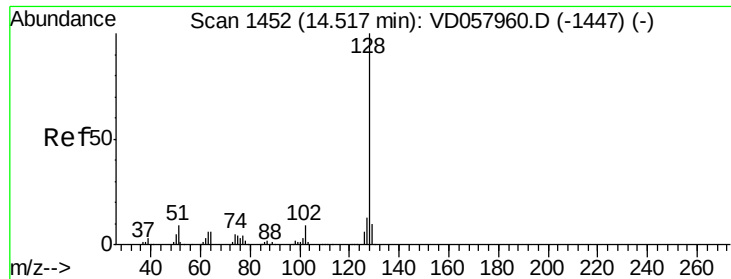
Tot Ion:180 Resp: 563697
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.0 147.2
 145 24.0 11.8 35.3



#94
 Hexachlorobutadiene
 Concen: 56.991 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058034.D
 Acq: 8 Jun 2018 22:52

Tgt Ion:225 Resp: 472957
 Ion Ratio Lower Upper
 225 100
 223 61.0 29.5 88.6
 227 65.6 32.0 96.0

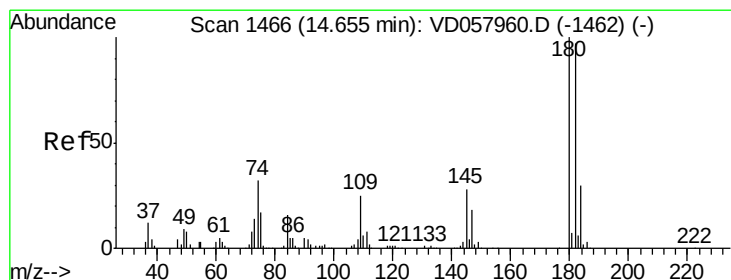
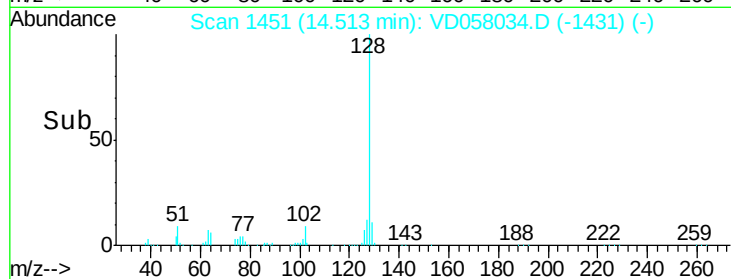
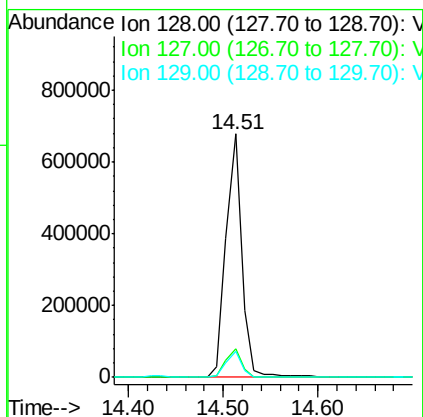
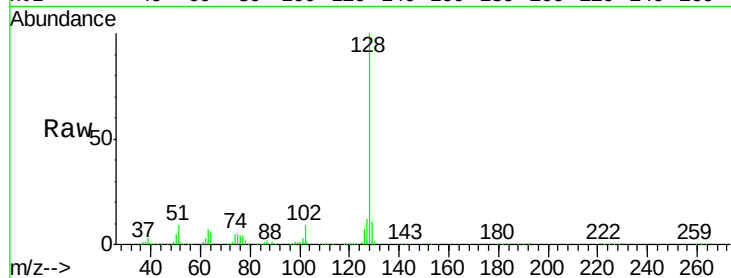




#95
Naphthalene
Concen: 58.172 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 791326
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.2
129 10.9 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 53.836 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD058034.D
Acq: 8 Jun 2018 22:52

Tgt Ion:180 Resp: 484067
Ion Ratio Lower Upper
180 100
182 95.8 48.5 145.5
145 24.0 14.2 42.8

