

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058199.D
 Acq On : 19 Jun 2018 17:28
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 20 05:03:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	883849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1128890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	902122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	465972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	647307	71.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.46%	
35) Dibromofluoromethane	5.54	113	662771	73.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.96%	
50) Toluene-d8	8.70	98	1590799	74.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.10%	
62) 4-Bromofluorobenzene	11.93	95	664700	72.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	582763	51.23	ug/l	100
3) Chloromethane	1.47	50	278408	49.60	ug/l	99
4) Vinyl Chloride	1.54	62	311570	56.83	ug/l	99
5) Bromomethane	1.77	94	106062	51.11	ug/l	97
6) Chloroethane	1.86	64	118598	56.23	ug/l	92
7) Trichlorofluoromethane	2.07	101	430213	57.98	ug/l	97
8) Diethyl Ether	2.34	74	90019	63.68	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.54	101	271884	60.79	ug/l	99
10) Methyl Iodide	2.68	142	346589	60.46	ug/l #	94
11) Tert butyl alcohol	3.26	59	93278	384.40	ug/l #	95
12) 1,1-Dichloroethene	2.53	96	206643	60.11	ug/l	93
13) Acrolein	2.45	56	44747	147.01	ug/l	97
14) Allyl chloride	2.91	41	486504	60.58	ug/l	99
15) Acrylonitrile	3.34	53	256942	198.25	ug/l	91
16) Acetone	2.60	43	379424	297.69	ug/l #	89
17) Carbon Disulfide	2.74	76	698446	56.68	ug/l	99
18) Methyl Acetate	2.93	43	161000	63.74	ug/l	98
19) Methyl tert-butyl Ether	3.39	73	552140	38.46	ug/l	100
20) Methylene Chloride	3.05	84	219097	51.23	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	220473	31.13	ug/l	87
22) Diisopropyl ether	4.06	45	1830979	58.11	ug/l	97
23) Vinyl Acetate	4.01	43	5007359	304.72	ug/l	99
24) 1,1-Dichloroethane	3.96	63	1032871	59.55	ug/l	97
25) 2-Butanone	4.84	43	845096	295.46	ug/l	100
26) 2,2-Dichloropropane	4.79	77	834934	58.56	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	539200	58.90	ug/l	94
28) Bromochloromethane	5.13	49	472209	62.27	ug/l #	97
29) Tetrahydrofuran	5.18	42	438559	288.78	ug/l	100
30) Chloroform	5.31	83	1064989	60.67	ug/l	94
31) Cyclohexane	5.58	56	751426	50.17	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	896871	61.02	ug/l	99
36) 1,1-Dichloropropene	5.74	75	721990	59.23	ug/l	97
37) Ethyl Acetate	4.91	43	401759	59.01	ug/l	99
38) Carbon Tetrachloride	5.71	117	765030	63.46	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	709033	59.12	ug/l	98
40) Benzene	6.01	78	1755054	61.60	ug/l	100
41) Methacrylonitrile	5.11	41	221414	71.73	ug/l	94
42) 1,2-Dichloroethane	6.13	62	741346	64.16	ug/l	100
43) Isopropyl Acetate	7.61	43	560958	62.94	ug/l #	99
44) Trichloroethene	6.97	130	537640	64.58	ug/l	100
45) 1,2-Dichloropropane	7.35	63	479320	60.55	ug/l	99
46) Dibromomethane	7.45	93	333715	64.66	ug/l	93
47) Bromodichloromethane	7.74	83	790102	66.42	ug/l	97
48) Methyl methacrylate	7.50	41	342714	62.74	ug/l	99
49) 1,4-Dioxane	7.48	88	65326	1397.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	1752724	306.28	ug/l	98
52) Toluene	8.80	92	997955	60.98	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	681061	65.78	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	780308	64.15	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	342839	63.52	ug/l	96
56) Ethyl methacrylate	9.32	69	432647	65.26	ug/l	99
57) 1,3-Dichloropropane	9.67	76	602783	64.41	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	1012927	301.28	ug/l	99
59) 2-Hexanone	9.79	43	1303282	312.35	ug/l	97
60) Dibromochloromethane	9.96	129	515519	68.15	ug/l	94
61) 1,2-Dibromoethane	10.09	107	398414	64.33	ug/l	95
64) Tetrachloroethene	9.51	164	504770	63.39	ug/l	98
65) Chlorobenzene	10.72	112	1122614	62.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	446016	64.65	ug/l	97
67) Ethyl Benzene	10.86	91	1879341	58.31	ug/l	99
68) m/p-Xylenes	11.02	106	1258629	119.10	ug/l	98
69) o-Xylene	11.40	106	608936	58.67	ug/l	93
70) Styrene	11.43	104	1037859	60.05	ug/l	95
71) Bromoform	11.60	173	381803	72.16	ug/l	98
73) Isopropylbenzene	11.78	105	1800088	59.50	ug/l	99
74) N-amyl acetate	11.65	43	730043	61.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	424472	62.80	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	422128	60.01	ug/l	98
77) Bromobenzene	12.04	156	568406	63.26	ug/l	92
78) n-propylbenzene	12.16	91	2352015	59.42	ug/l	98
79) 2-Chlorotoluene	12.22	91	1335049	59.20	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	1412412	59.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	118670	68.50	ug/l	89
82) 4-Chlorotoluene	12.33	91	1443584	58.01	ug/l	95
83) tert-Butylbenzene	12.57	119	1632190	60.94	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	1549574	60.92	ug/l	97
85) sec-Butylbenzene	12.76	105	1933011	59.74	ug/l	97
86) p-Isopropyltoluene	12.89	119	1586669	61.25	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	955512	62.53	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	939224	62.74	ug/l	96
89) n-Butylbenzene	13.19	91	1545097	57.31	ug/l	99
90) Hexachloroethane	13.40	117	432385	65.01	ug/l	79
91) 1,2-Dichlorobenzene	13.19	146	766860	61.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	70446	67.40	ug/l	80

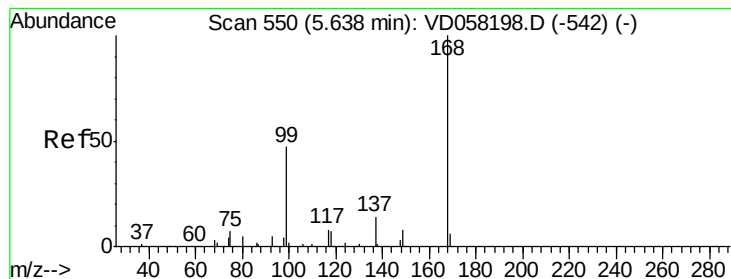
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	797891	68.14	ug/l	99
94) Hexachlorobutadiene	14.43	225	616011	67.47	ug/l	97
95) Naphthalene	14.51	128	1005933	65.46	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	692962	69.08	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

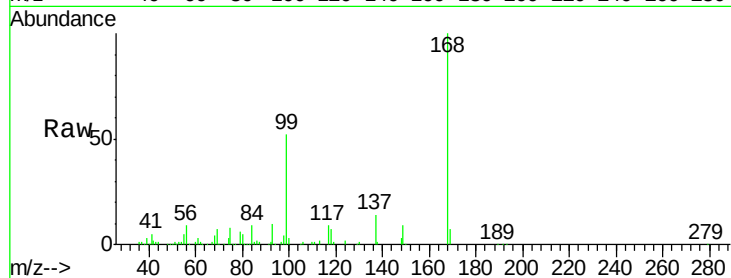
VSTDIC075

Tot Ion:168 Resp: 883849

Ion Ratio Lower Upper

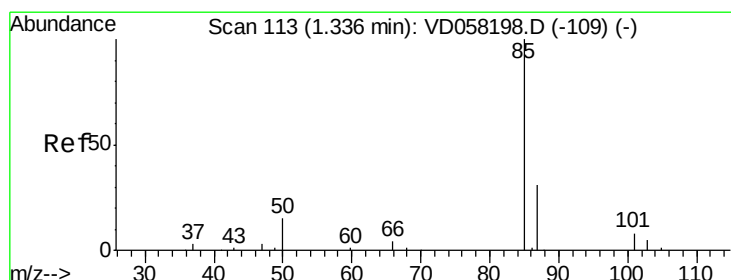
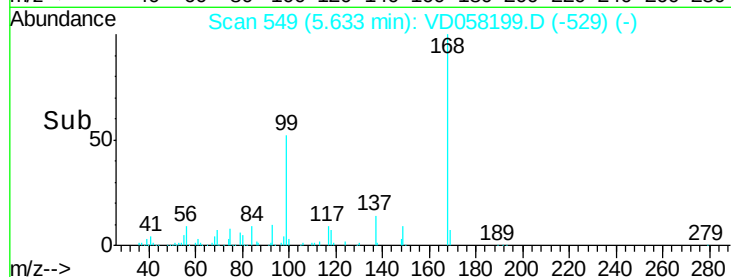
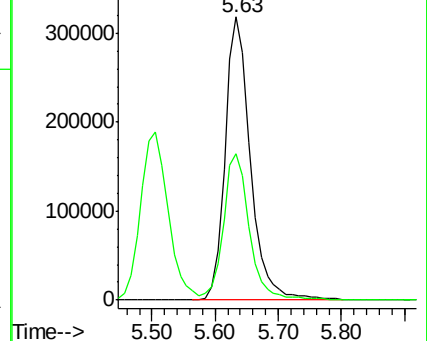
168 100

99 51.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.23 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058199.D

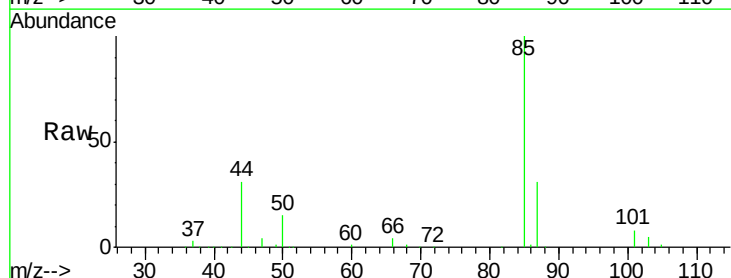
Acq: 19 Jun 2018 17:28

Tgt Ion: 85 Resp: 582763

Ion Ratio Lower Upper

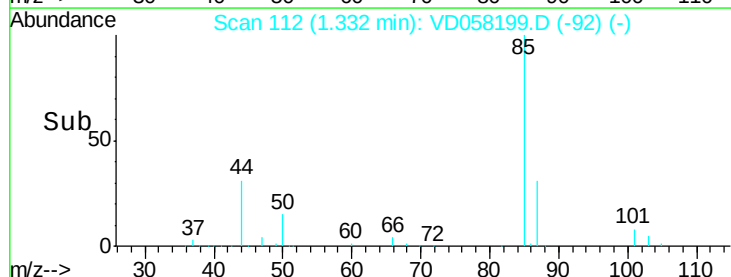
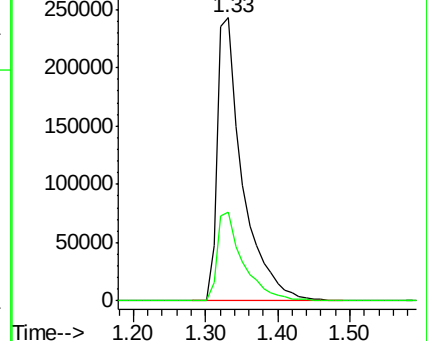
85 100

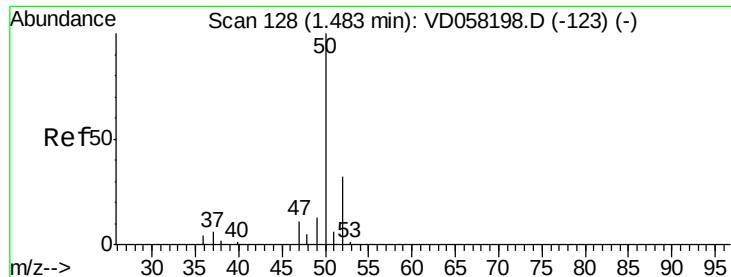
87 31.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.60 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

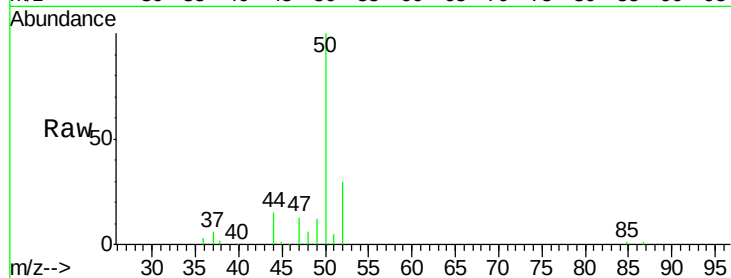
VSTDIC075

Tot Ion: 50 Resp: 278408

Ion Ratio Lower Upper

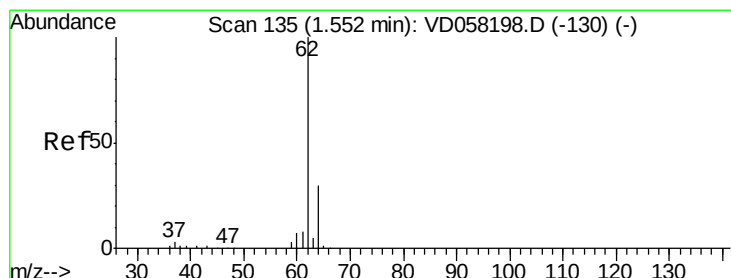
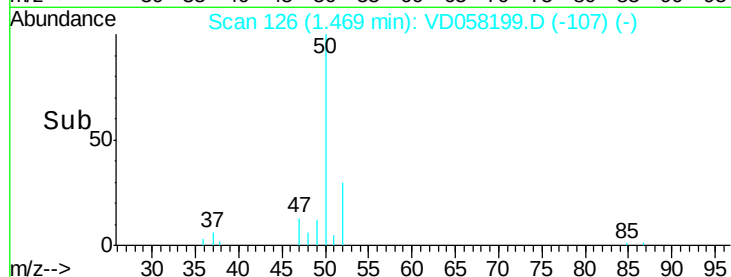
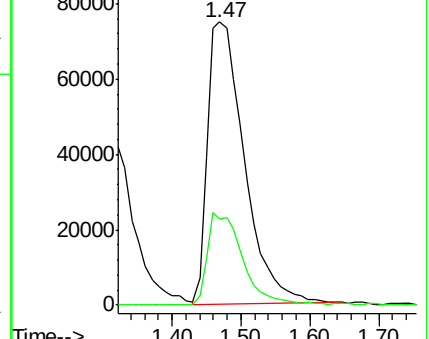
50 100

52 30.4 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.83 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD058199.D

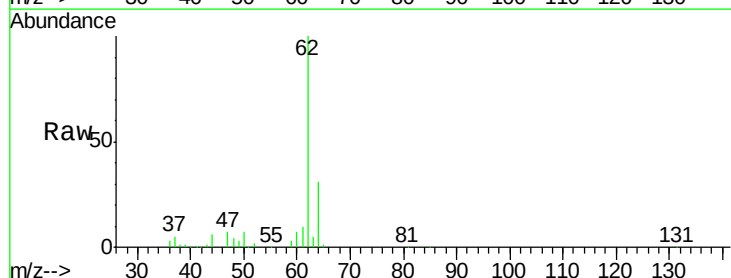
Acq: 19 Jun 2018 17:28

Tgt Ion: 62 Resp: 311570

Ion Ratio Lower Upper

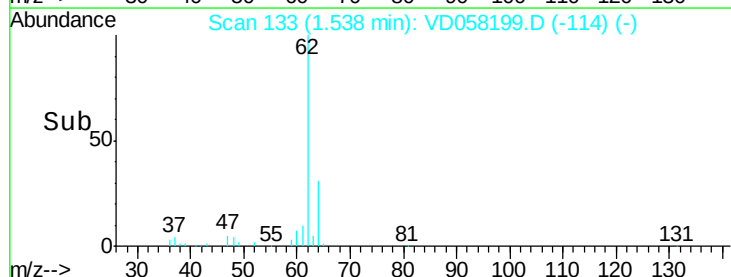
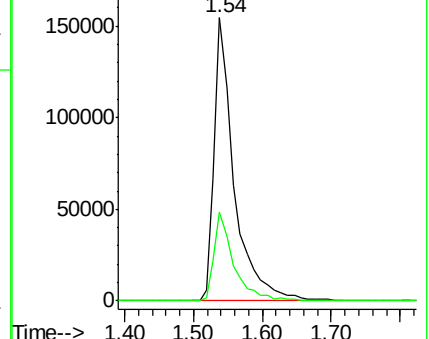
62 100

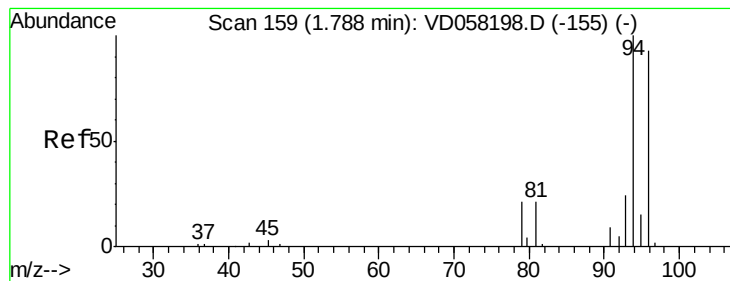
64 31.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.11 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

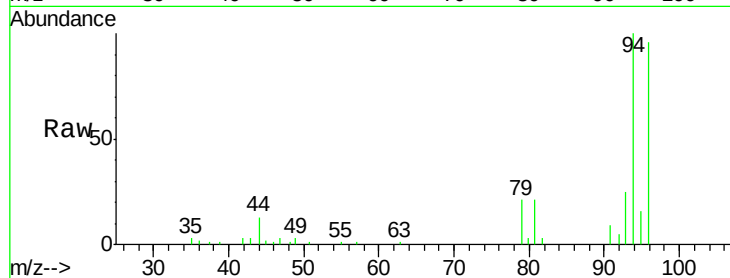
VSTDIC075

Tot Ion: 94 Resp: 106062

Ion Ratio Lower Upper

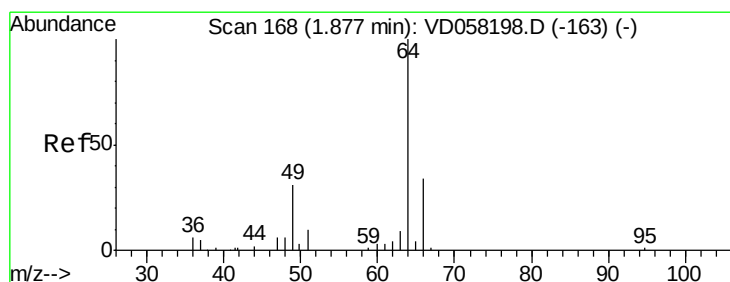
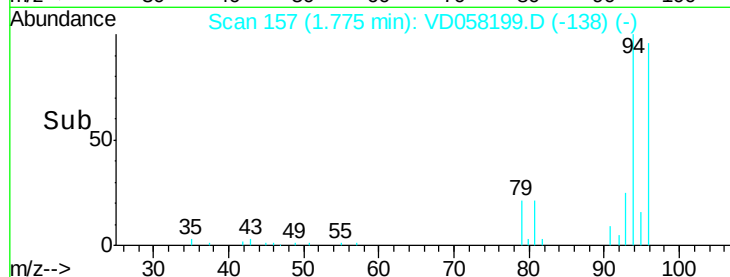
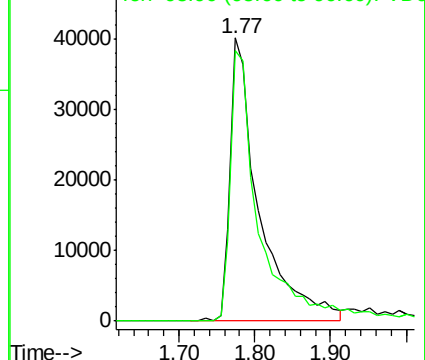
94 100

96 95.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.23 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD058199.D

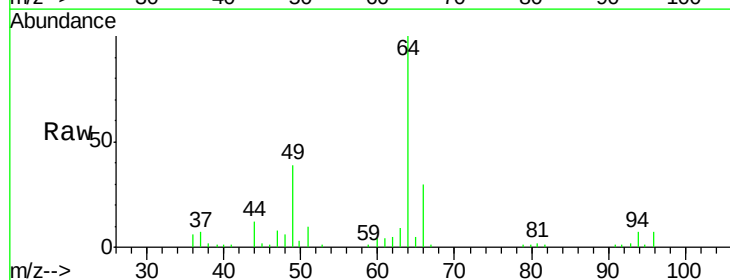
Acq: 19 Jun 2018 17:28

Tgt Ion: 64 Resp: 118598

Ion Ratio Lower Upper

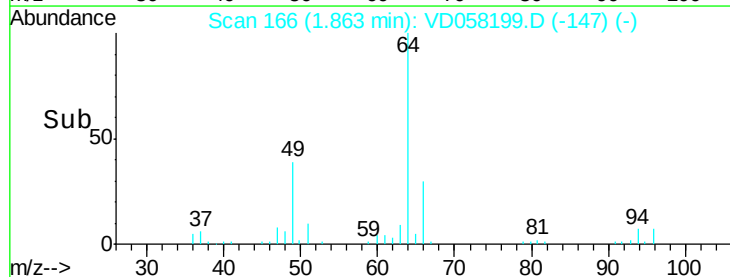
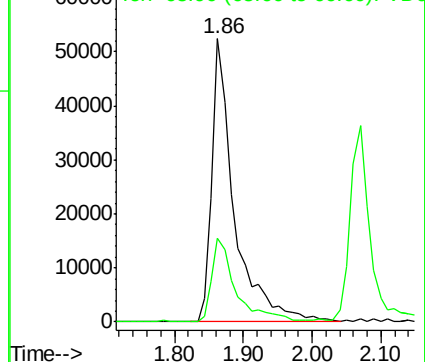
64 100

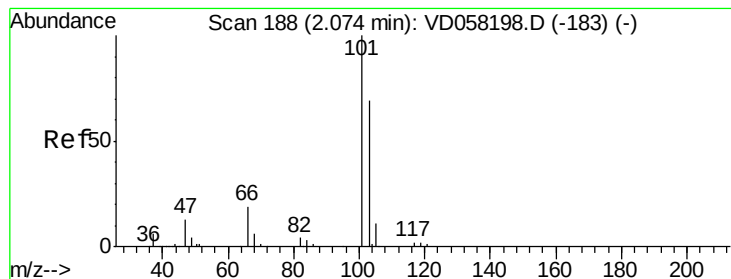
66 29.8 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



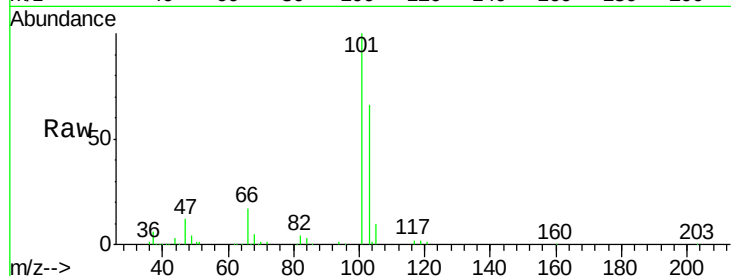


#7

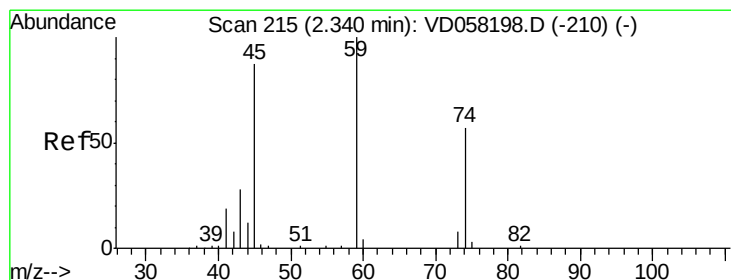
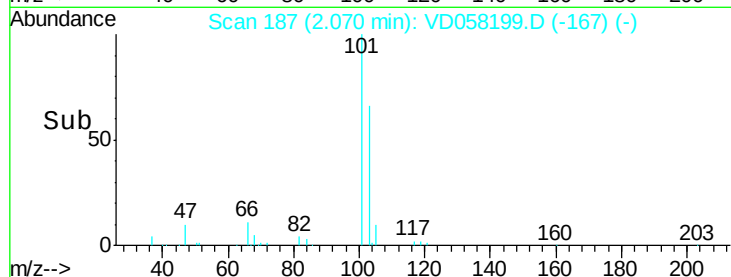
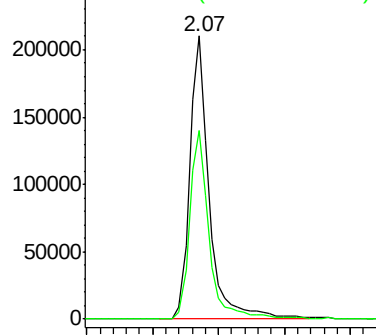
Trichlorofluoromethane
 Concen: 57.98 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
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 VSTDIC075

Tot Ion:101 Resp: 430213
 Ion Ratio Lower Upper
 101 100
 103 66.4 55.1 82.7



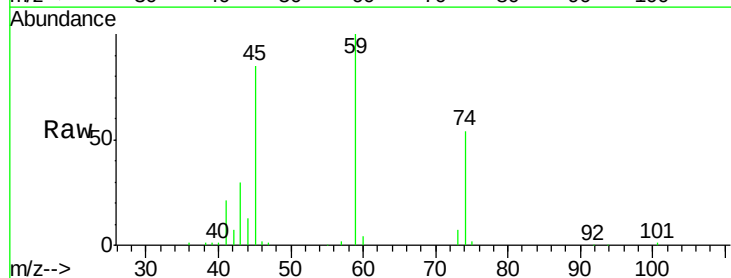
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



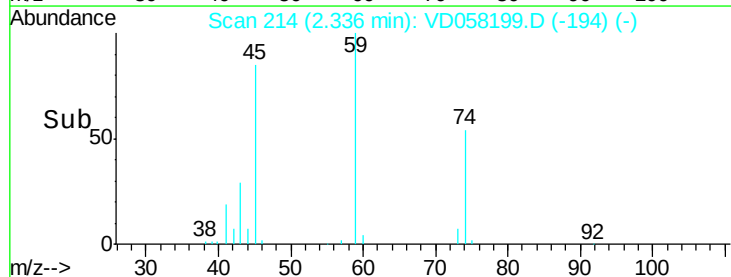
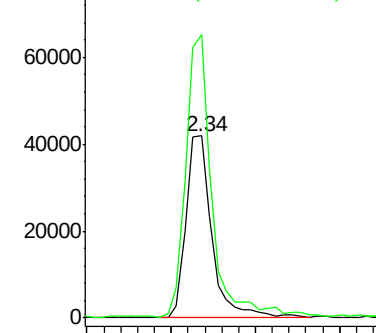
#8

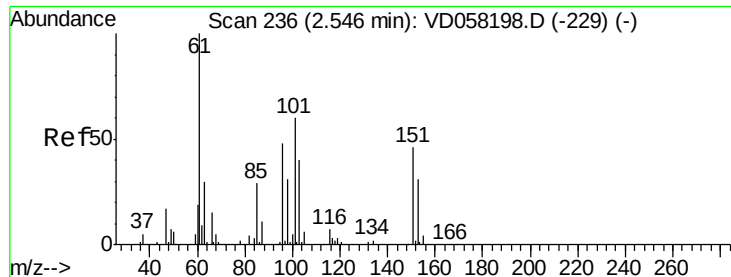
Diethyl Ether
 Concen: 63.68 ug/l
 RT: 2.34 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 74 Resp: 90019
 Ion Ratio Lower Upper
 74 100
 45 155.8 77.5 232.6



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: 60.79 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

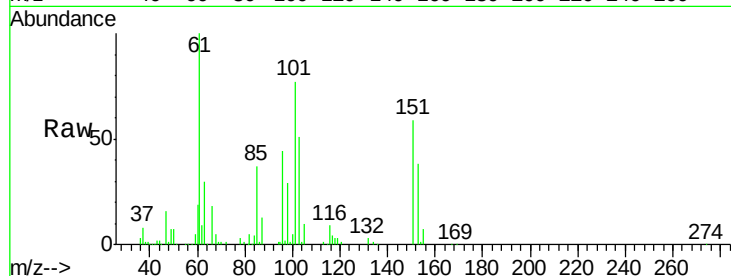
Tot Ion:101 Resp: 271884

Ion Ratio Lower Upper

101 100

85 48.2 39.0 58.4

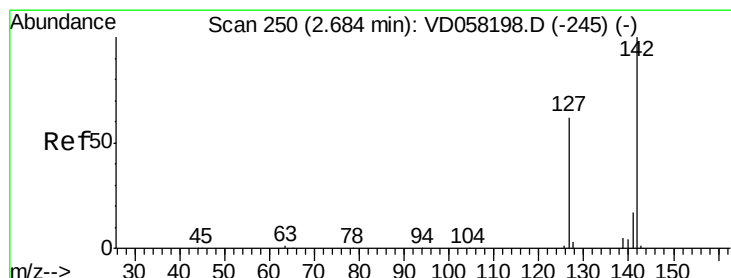
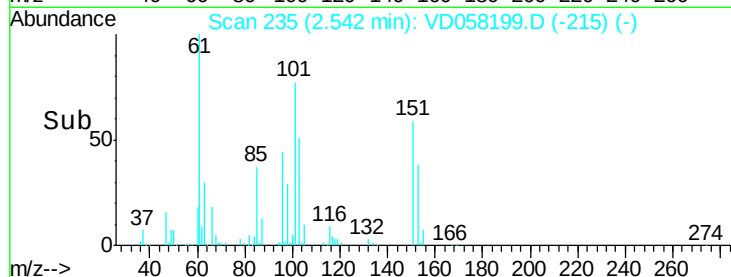
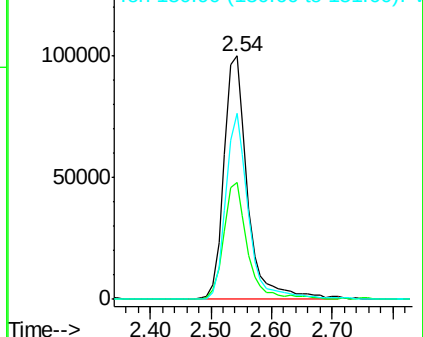
151 76.6 61.8 92.8



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: 60.46 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

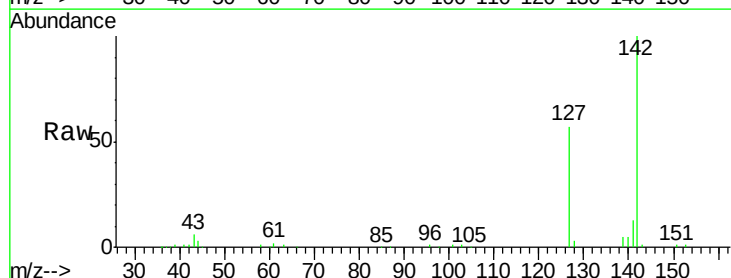
Tgt Ion:142 Resp: 346589

Ion Ratio Lower Upper

142 100

127 57.1 49.4 74.0

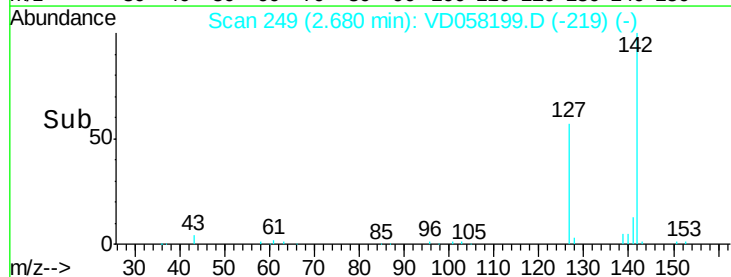
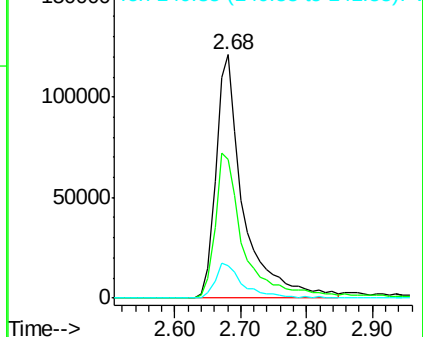
141 13.4 13.5 20.3#

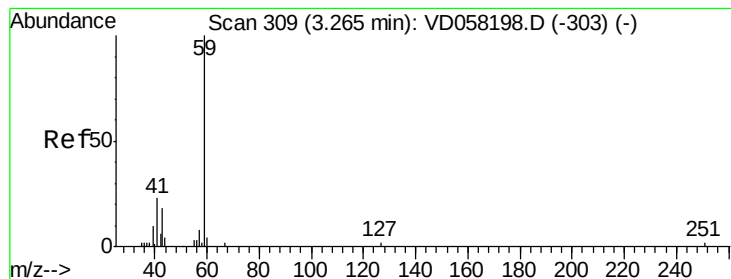


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



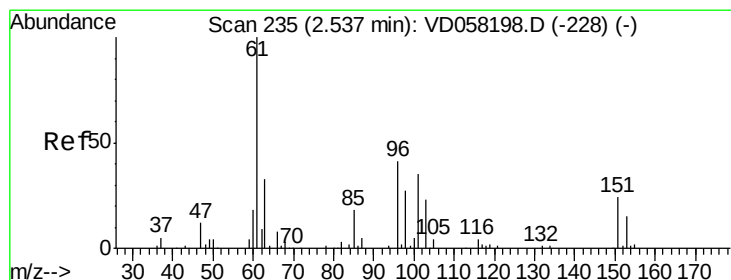
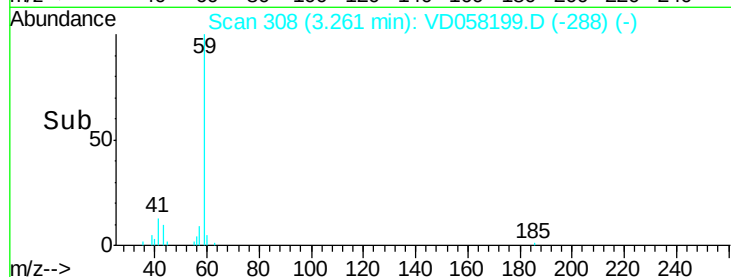
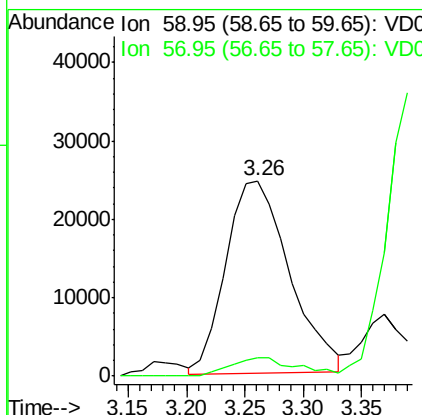
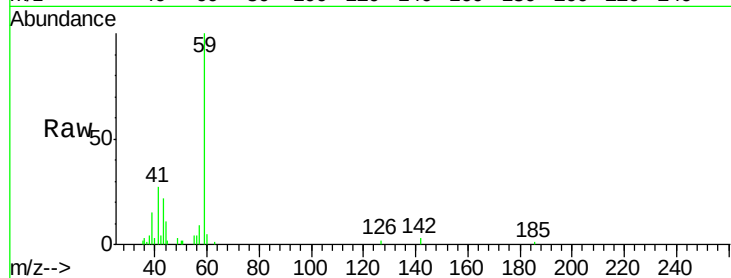


#11

Tert butyl alcohol
 Concen: 384.40 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

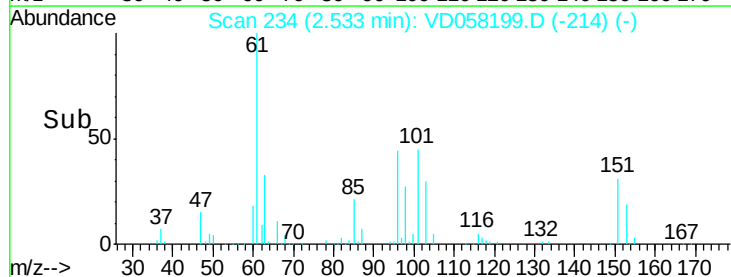
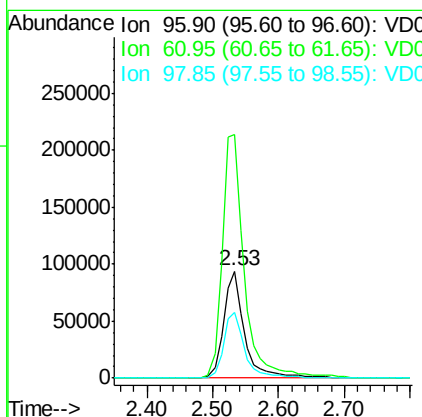
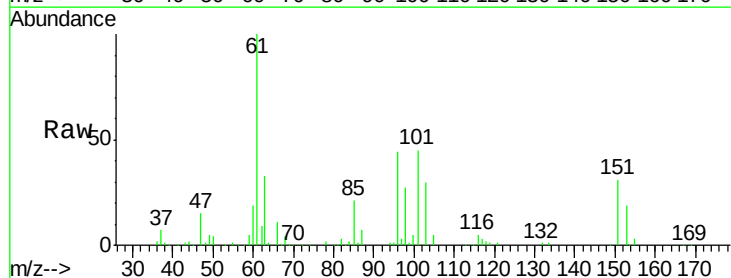
Tot Ion: 59 Resp: 93278
 Ion Ratio Lower Upper
 59 100
 57 9.4 6.2 9.4#

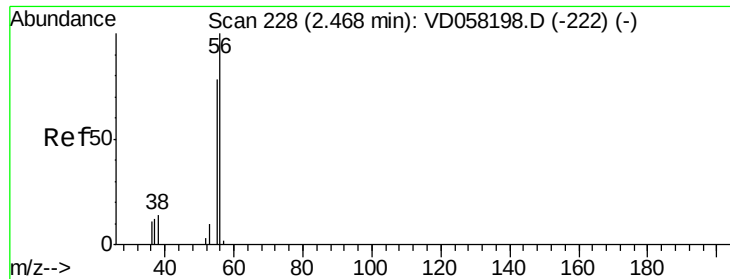


#12

1,1-Dichloroethene
 Concen: 60.11 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 96 Resp: 206643
 Ion Ratio Lower Upper
 96 100
 61 228.2 193.9 290.9
 98 61.7 51.7 77.5





#13

Acrolein

Concen: 147.01 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

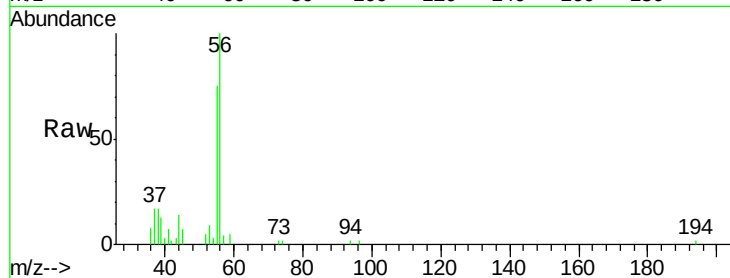
VSTDIC075

Tot Ion: 56 Resp: 44747

Ion Ratio Lower Upper

56 100

55 74.6 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

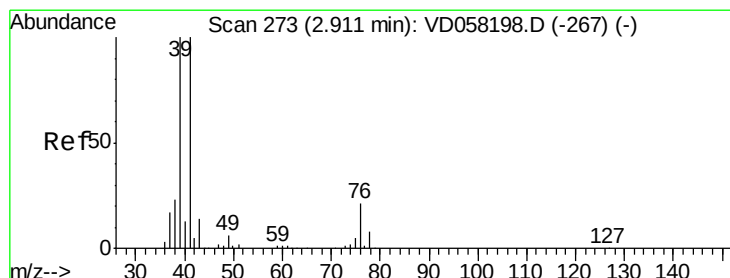
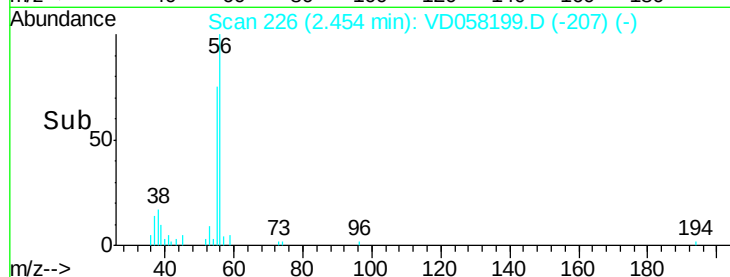
5000

0

Time-->

2.40 2.50 2.60

2.45



#14

Allyl chloride

Concen: 60.58 ug/l

RT: 2.91 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

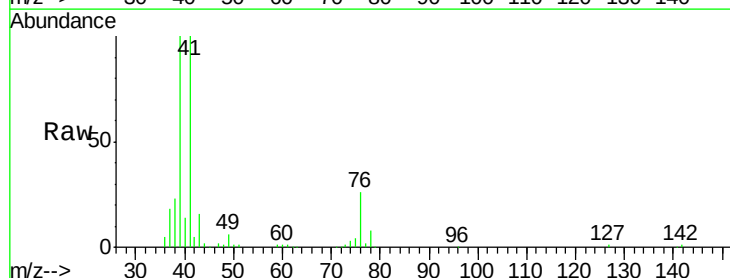
Tgt Ion: 41 Resp: 486504

Ion Ratio Lower Upper

41 100

39 100.0 80.1 120.1

76 25.9 19.4 29.2



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

400000

300000

200000

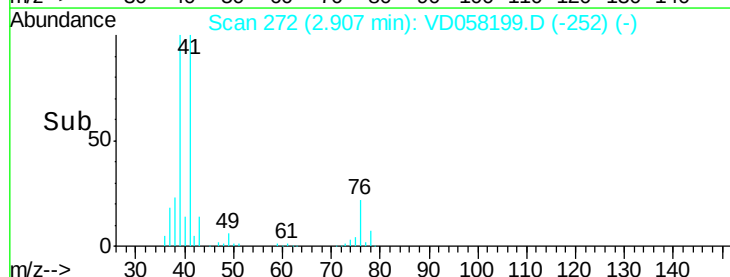
100000

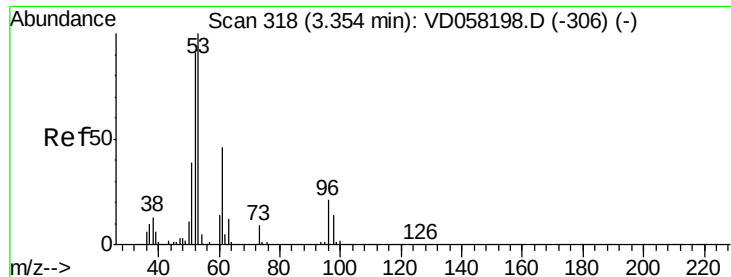
0

Time-->

2.70 2.80 2.90 3.00 3.10

2.91





#15

Acrylonitrile

Concen: 198.25 ug/l

RT: 3.34 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

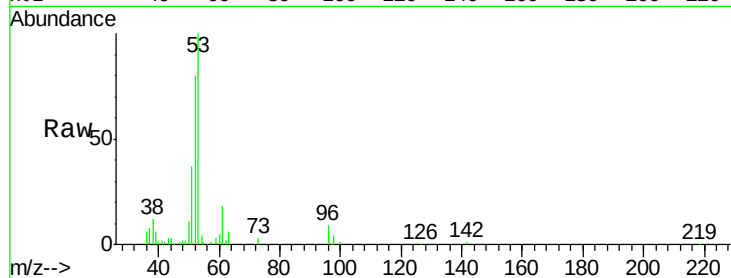
Tot Ion: 53 Resp: 256942

Ion Ratio Lower Upper

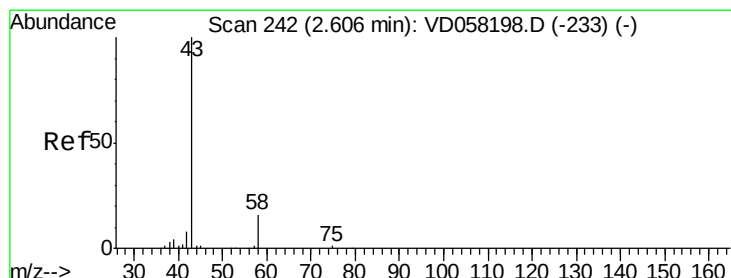
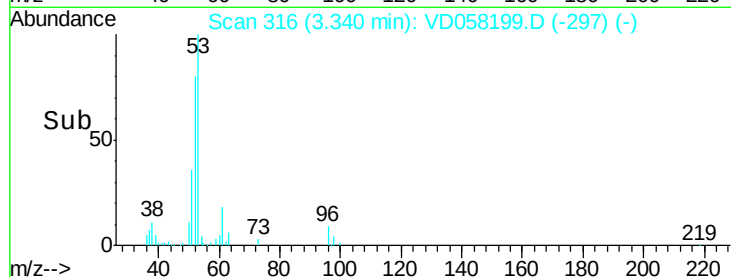
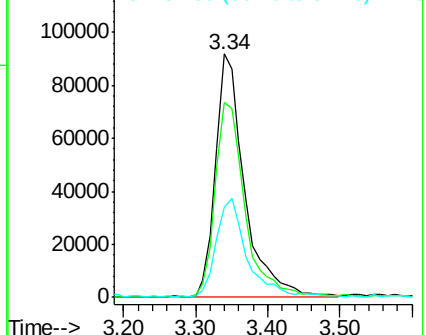
53 100

52 80.2 72.6 108.8

51 37.2 32.2 48.4



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: 297.69 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD058199.D

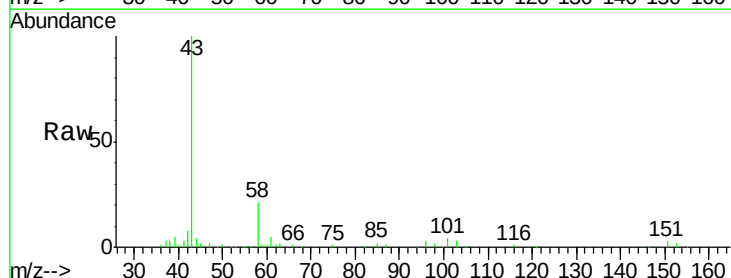
Acq: 19 Jun 2018 17:28

Tgt Ion: 43 Resp: 379424

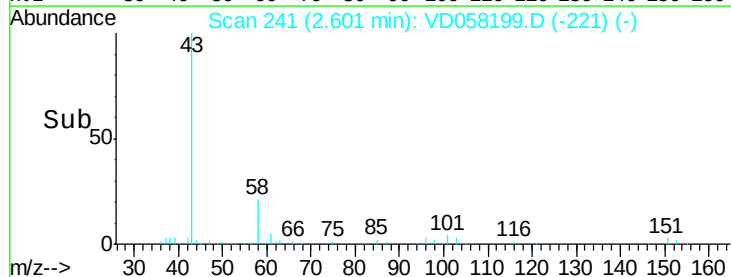
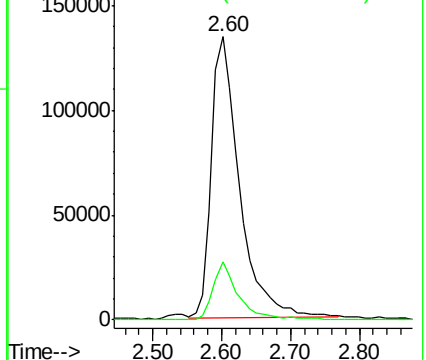
Ion Ratio Lower Upper

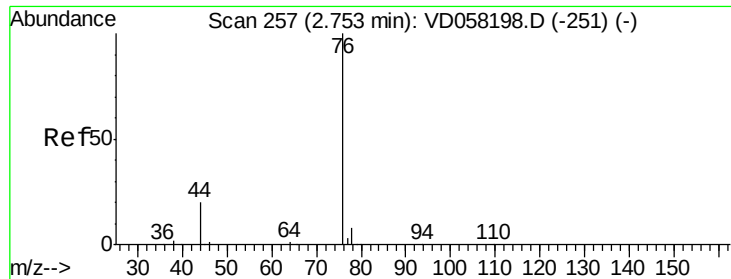
43 100

58 20.6 12.7 19.1#



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

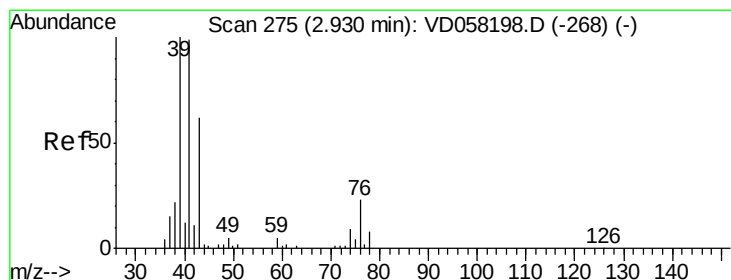
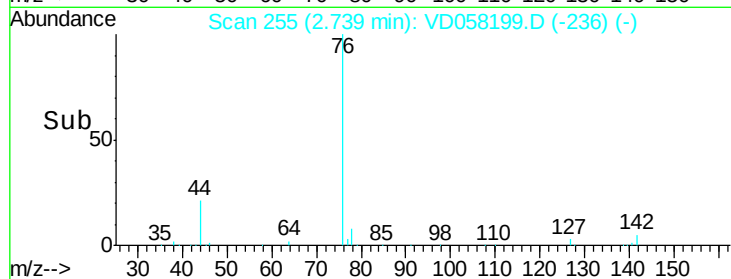
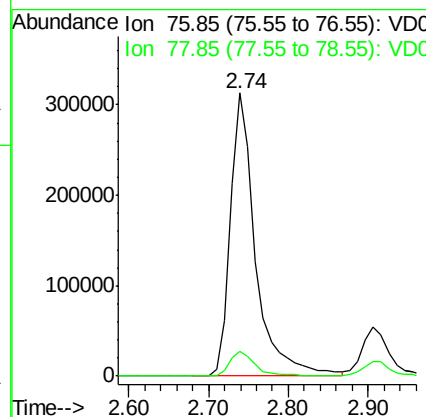
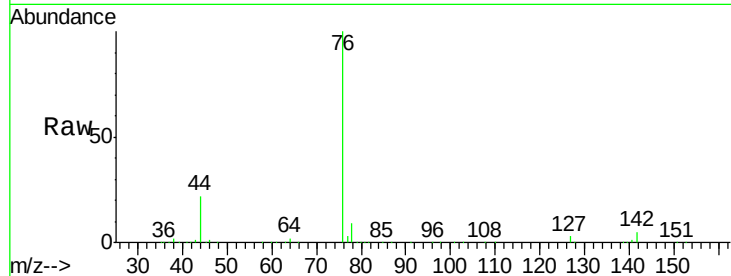




#17
Carbon Disulfide
Concen: 56.68 ug/l
RT: 2.74 min Scan# 255
Delta R.T. -0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

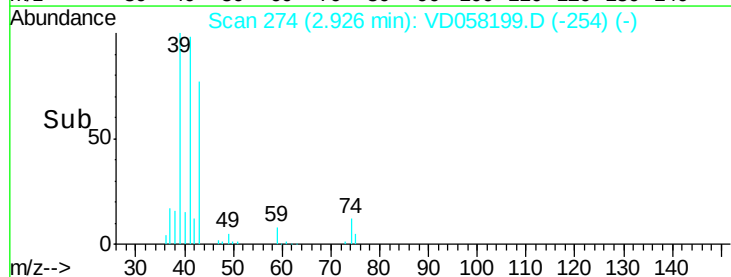
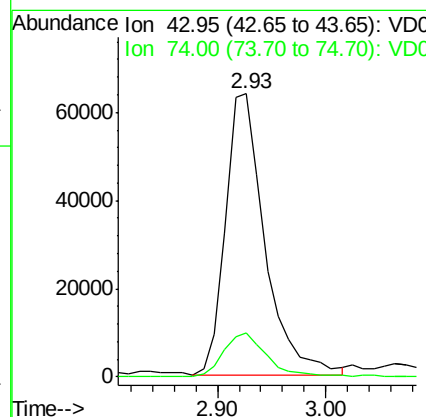
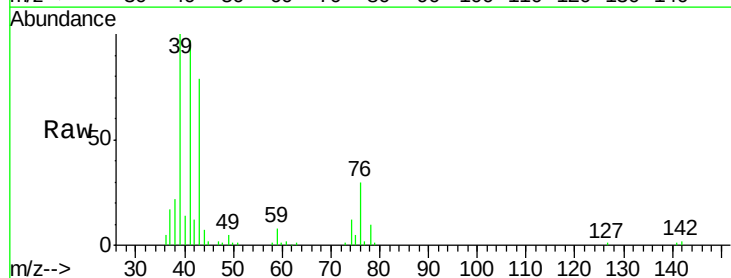
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

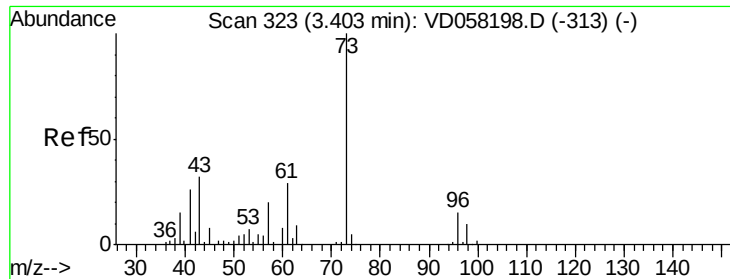
Tot Ion: 76 Resp: 698446
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 63.74 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 43 Resp: 161000
Ion Ratio Lower Upper
43 100
74 15.3 11.7 17.5



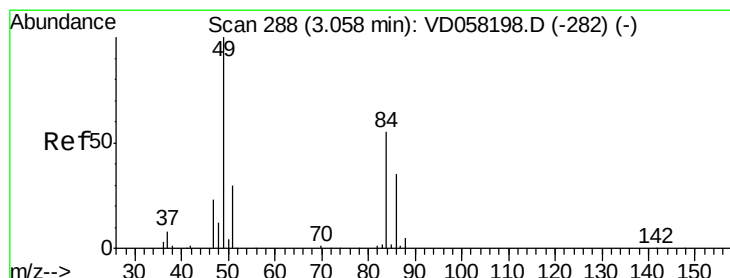
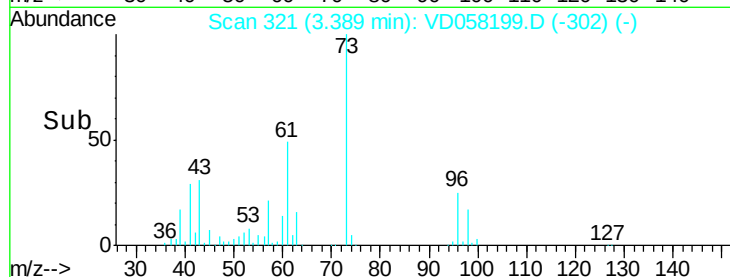
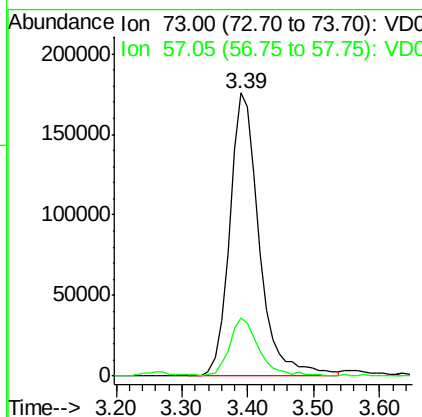
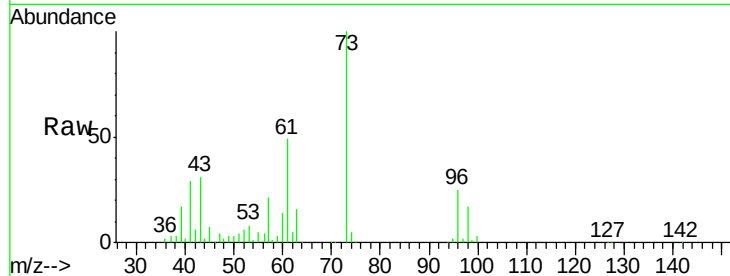


#19

Methyl tert-butyl Ether
 Concen: 38.46 ug/l
 RT: 3.39 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

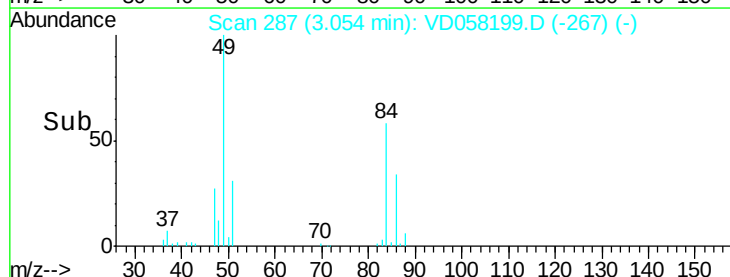
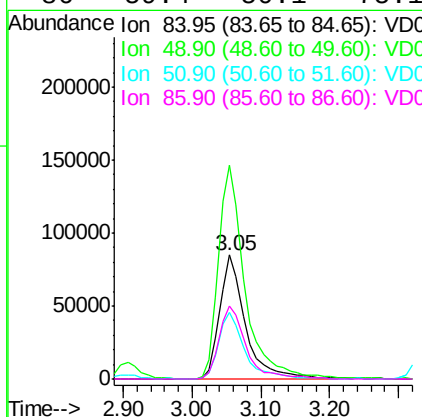
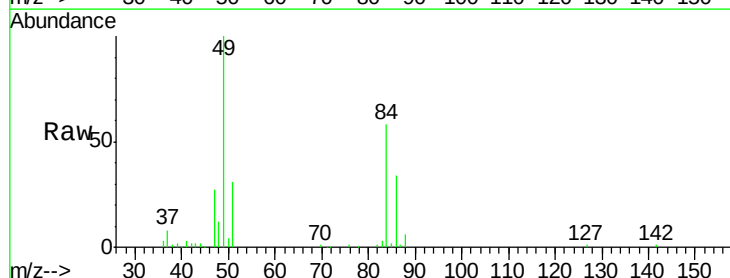
Tot Ion: 73 Resp: 552140
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.6 24.8

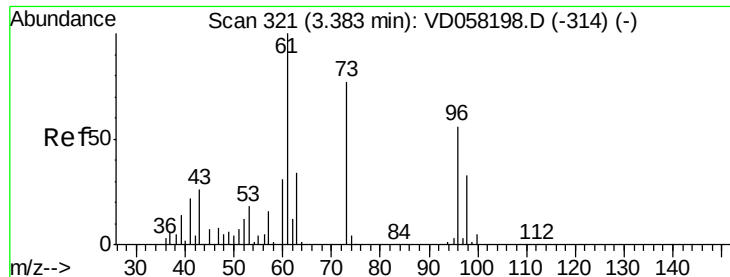


#20

Methylene Chloride
 Concen: 51.23 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 84 Resp: 219097
 Ion Ratio Lower Upper
 84 100
 49 172.5 145.0 217.6
 51 54.1 42.9 64.3
 86 59.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 31.13 ug/l

RT: 3.37 min Scan# 319

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

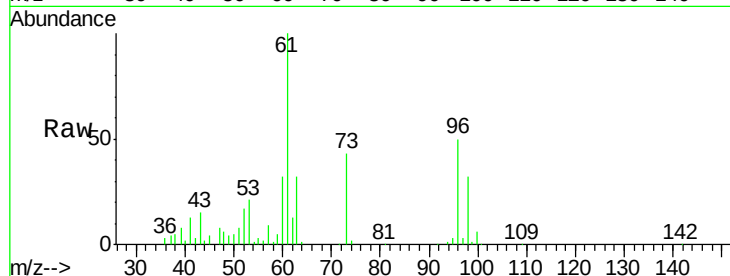
Tot Ion: 96 Resp: 220473

Ion Ratio Lower Upper

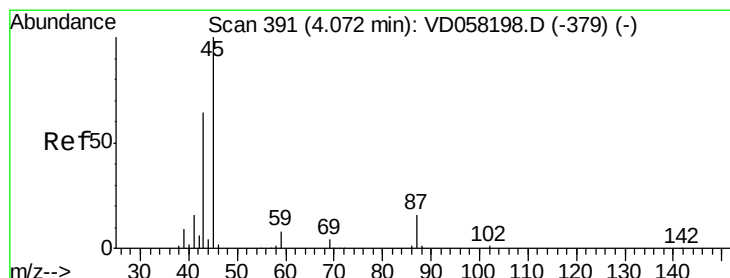
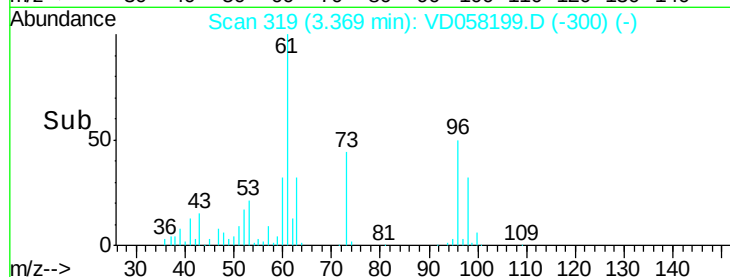
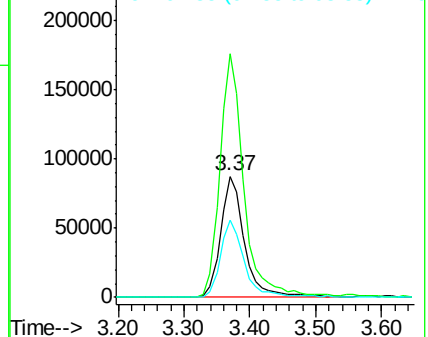
96 100

61 201.0 143.8 215.6

98 63.9 48.0 72.0



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



#22

Diisopropyl ether

Concen: 58.11 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Tgt Ion: 45 Resp: 1830979

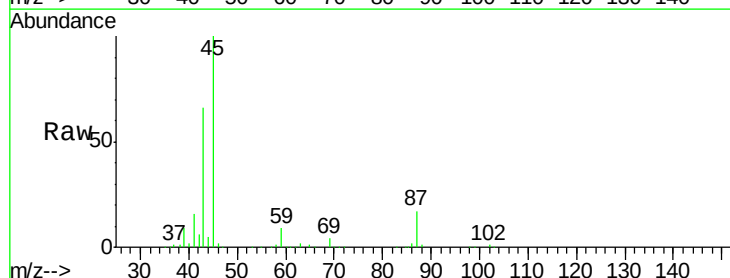
Ion Ratio Lower Upper

45 100

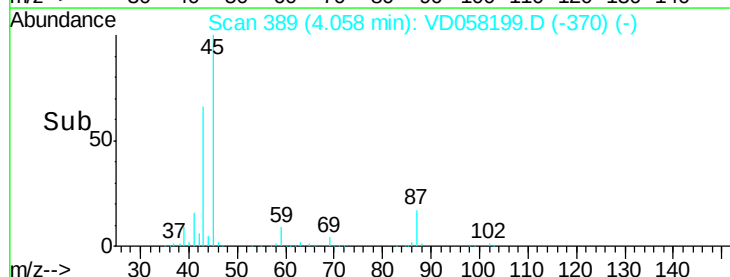
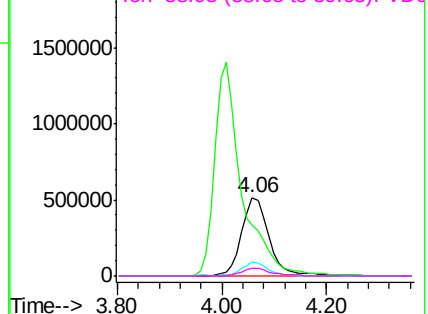
43 66.3 51.4 77.0

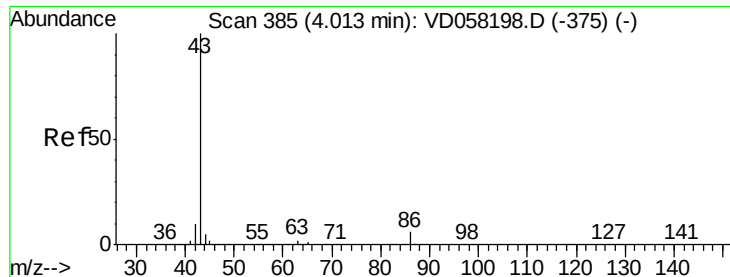
87 17.3 13.0 19.4

59 9.3 6.9 10.3



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: 304.72 ug/l

RT: 4.01 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

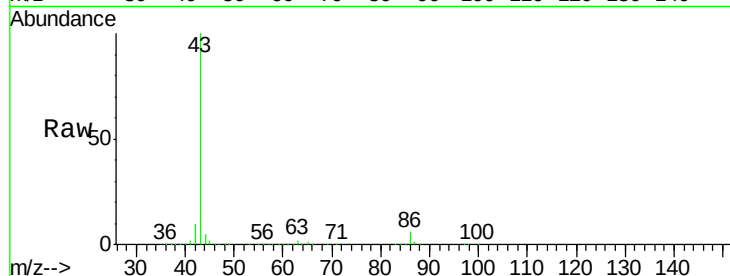
VSTDIC075

Tot Ion: 43 Resp: 5007359

Ion Ratio Lower Upper

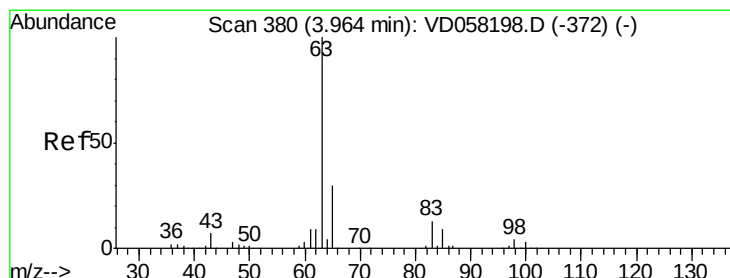
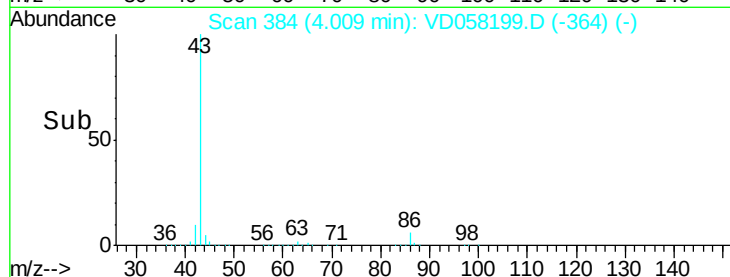
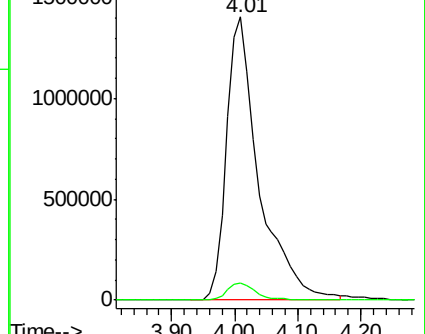
43 100

86 5.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.55 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

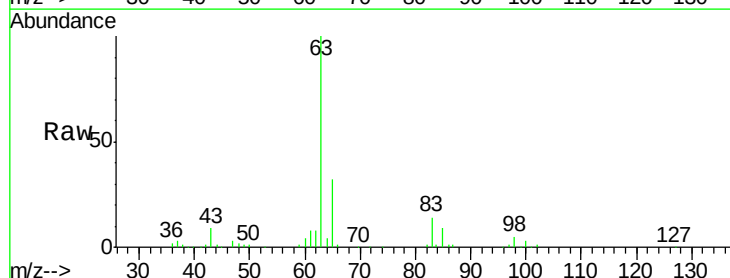
Tgt Ion: 63 Resp: 1032871

Ion Ratio Lower Upper

63 100

98 5.0 1.9 5.7

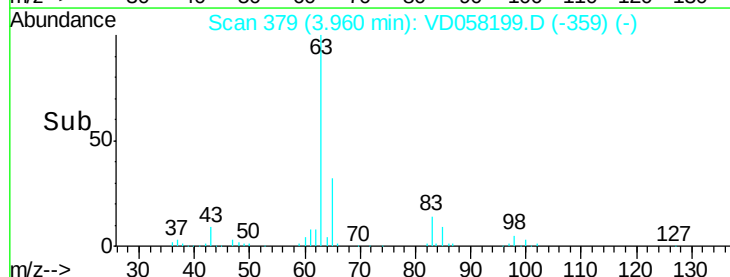
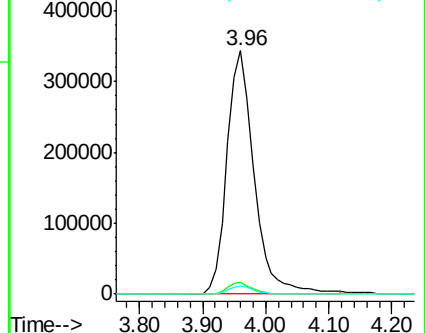
100 3.2 1.3 3.9

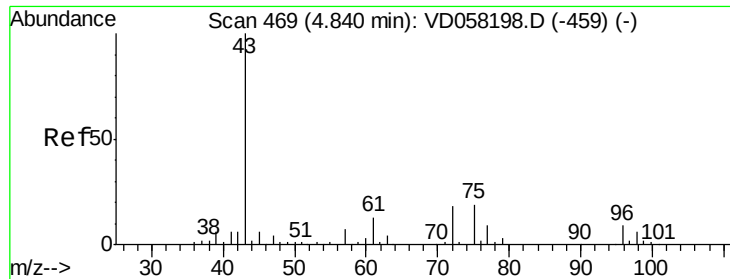


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 295.46 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

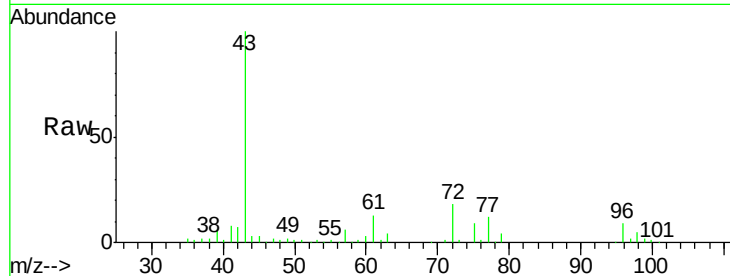
VSTDIC075

Tot Ion: 43 Resp: 845096

Ion Ratio Lower Upper

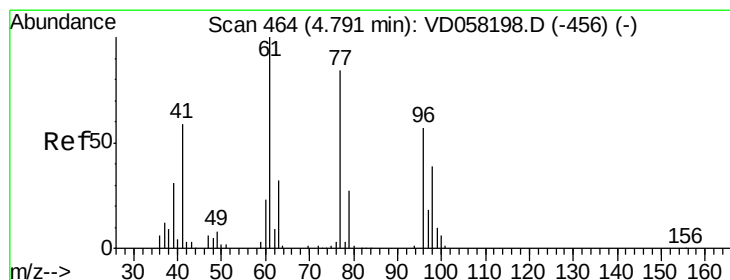
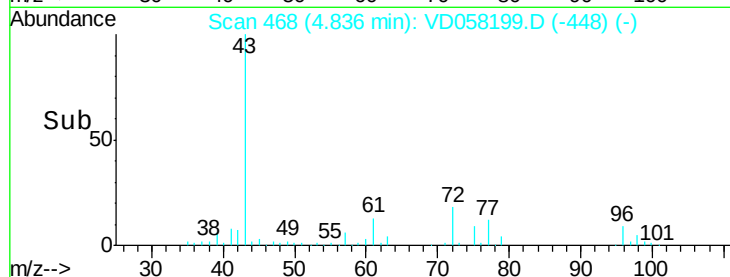
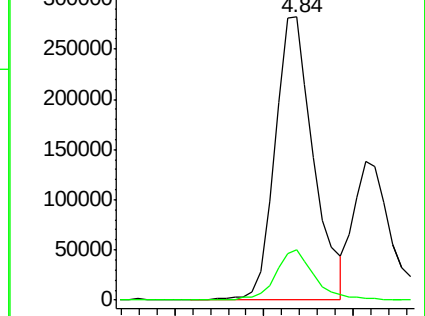
43 100

72 17.8 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 58.56 ug/l

RT: 4.79 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD058199.D

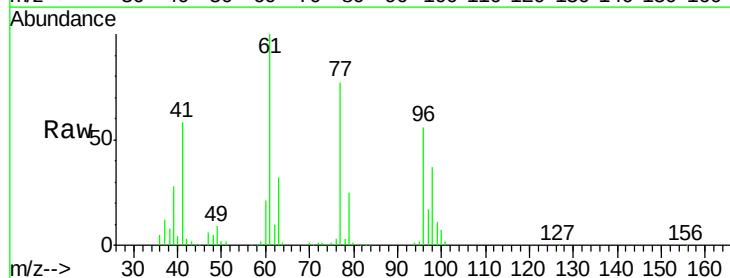
Acq: 19 Jun 2018 17:28

Tgt Ion: 77 Resp: 834934

Ion Ratio Lower Upper

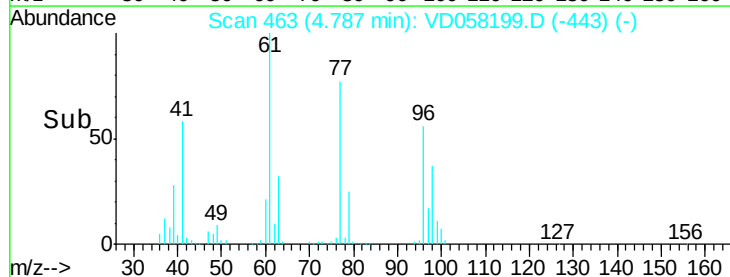
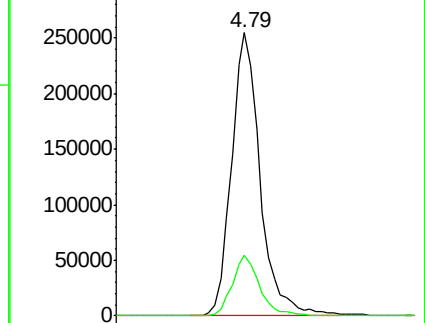
77 100

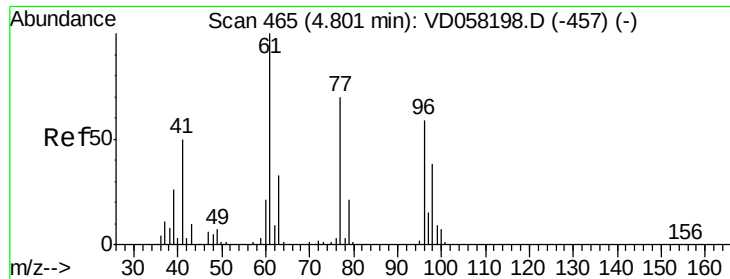
97 21.4 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 58.90 ug/l

RT: 4.79 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

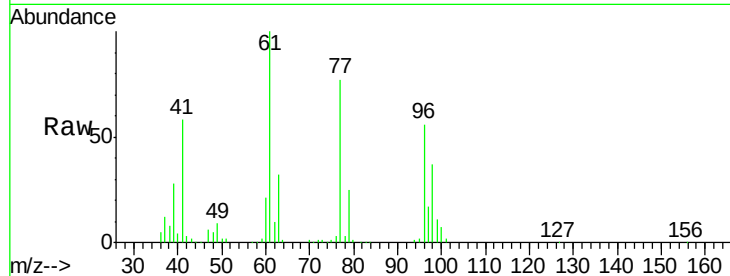
Tot Ion: 96 Resp: 539200

Ion Ratio Lower Upper

96 100

61 179.9 0.0 338.6

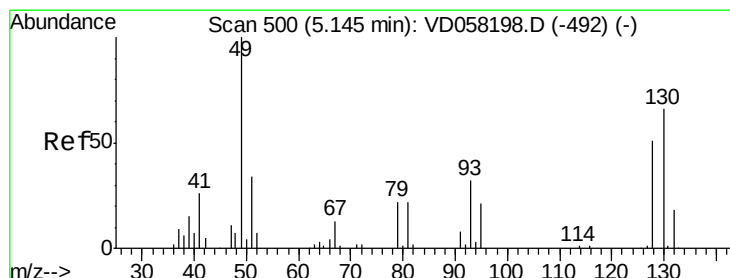
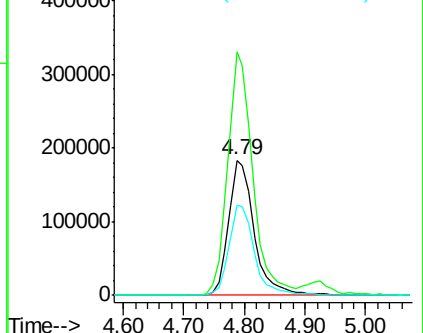
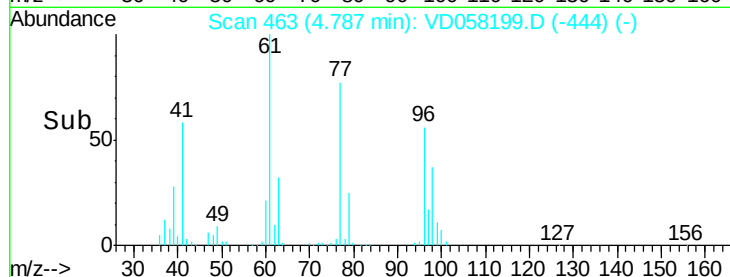
98 66.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 62.27 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

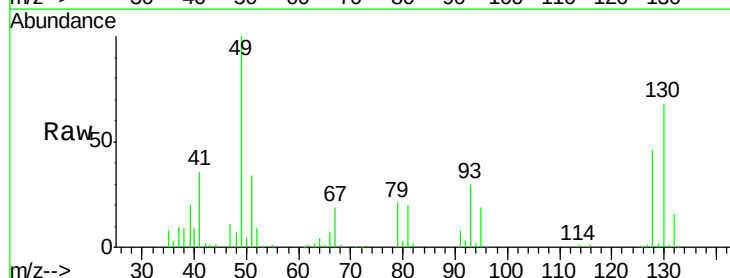
Tgt Ion: 49 Resp: 472209

Ion Ratio Lower Upper

49 100

129 2.5 0.0 0.0#

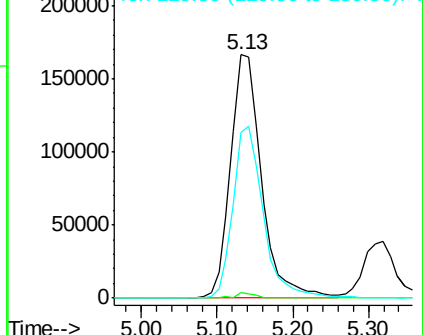
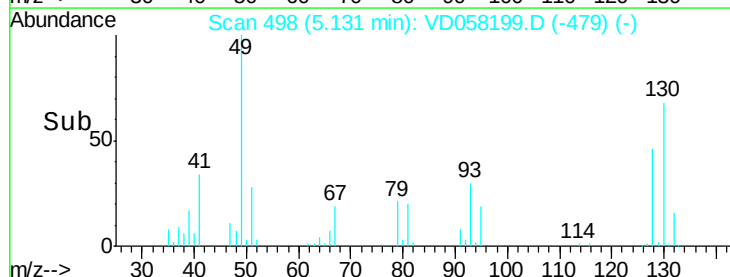
130 68.0 52.6 79.0

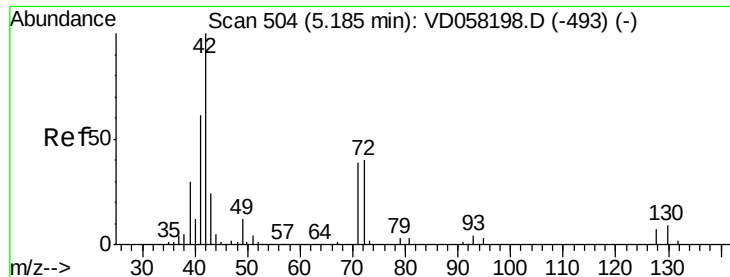


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 288.78 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

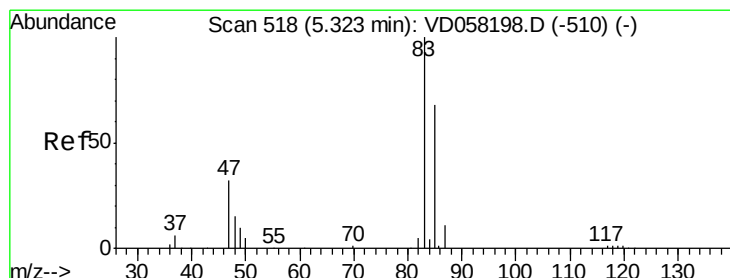
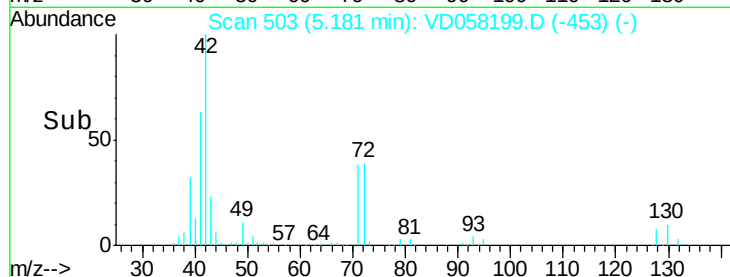
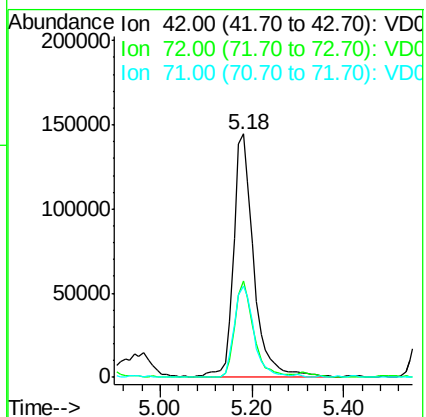
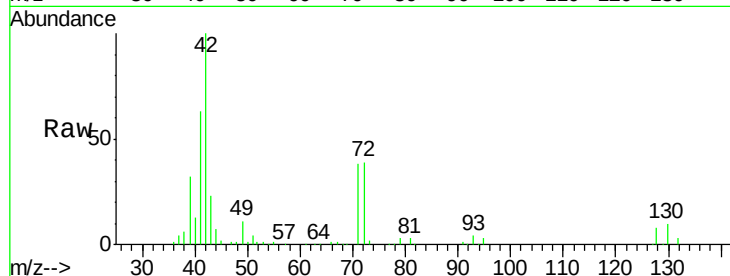
Tot Ion: 42 Resp: 438559

Ion Ratio Lower Upper

42 100

72 37.3 30.2 45.2

71 37.6 30.1 45.1



#30

Chloroform

Concen: 60.67 ug/l

RT: 5.31 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD058199.D

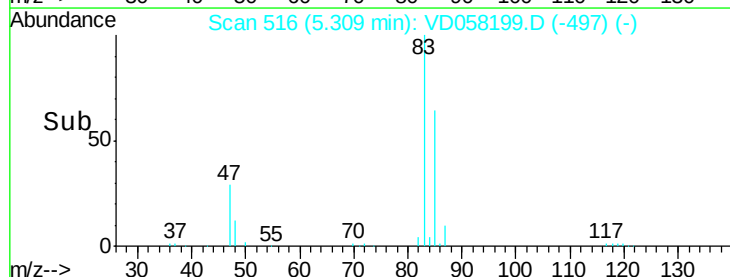
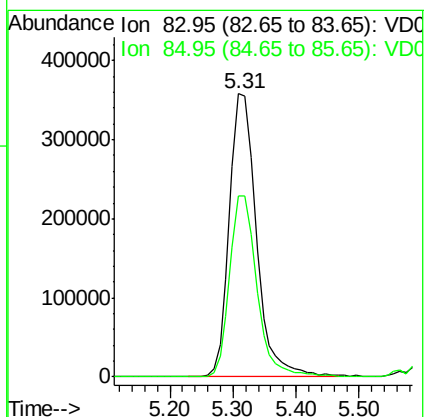
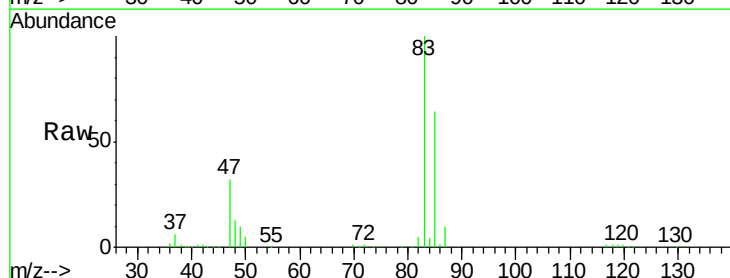
Acq: 19 Jun 2018 17:28

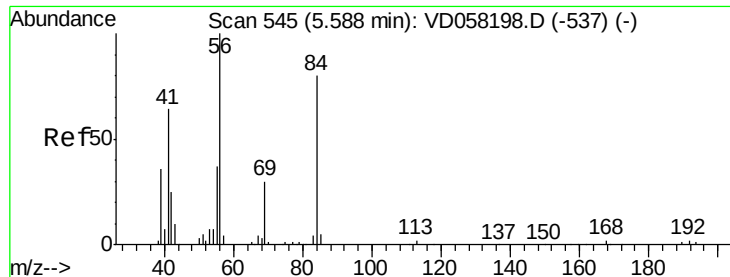
Tgt Ion: 83 Resp: 1064989

Ion Ratio Lower Upper

83 100

85 63.9 54.8 82.2





#31

Cyclohexane

Concen: 50.17 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

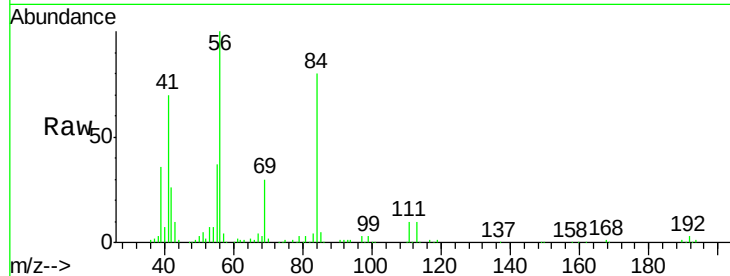
Tot Ion: 56 Resp: 751426

Ion Ratio Lower Upper

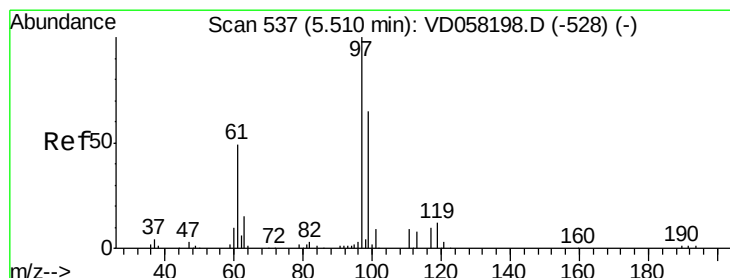
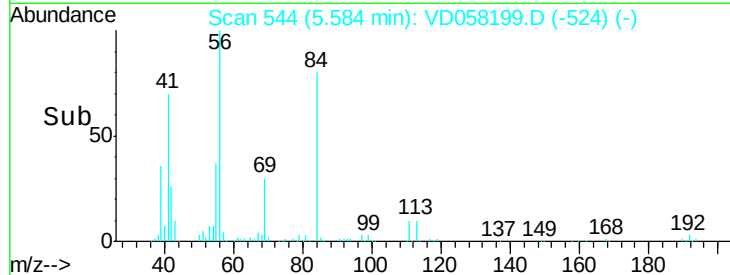
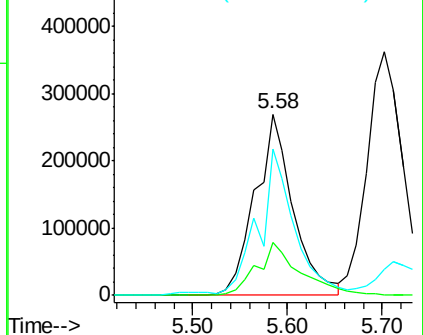
56 100

69 29.5 23.6 35.4

84 80.5 65.2 97.8



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: 61.02 ug/l

RT: 5.51 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

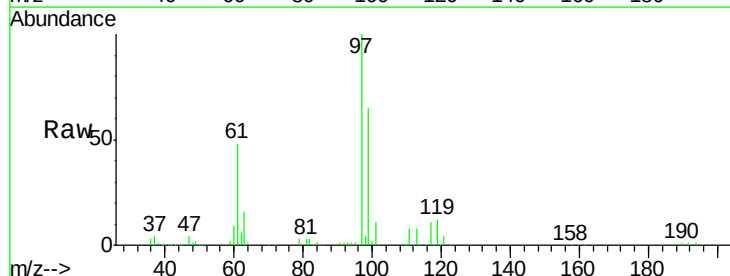
Tgt Ion: 97 Resp: 896871

Ion Ratio Lower Upper

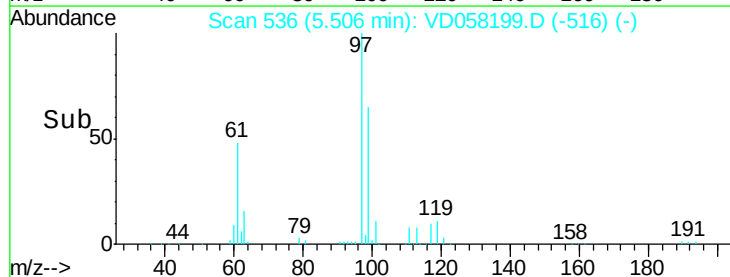
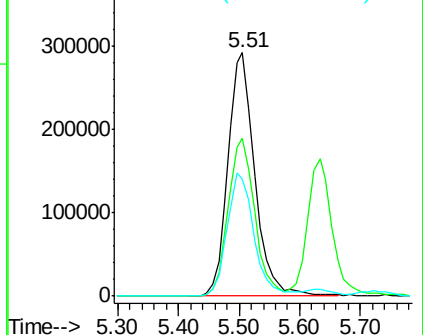
97 100

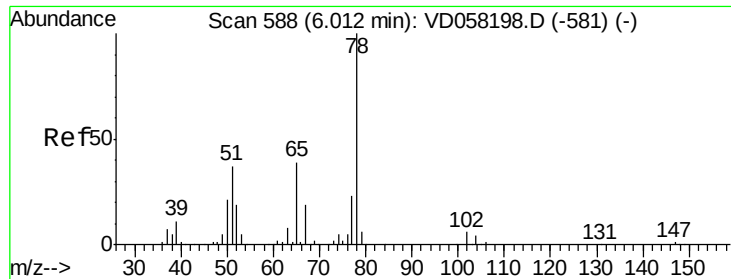
99 64.7 52.2 78.4

61 48.1 39.0 58.4



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

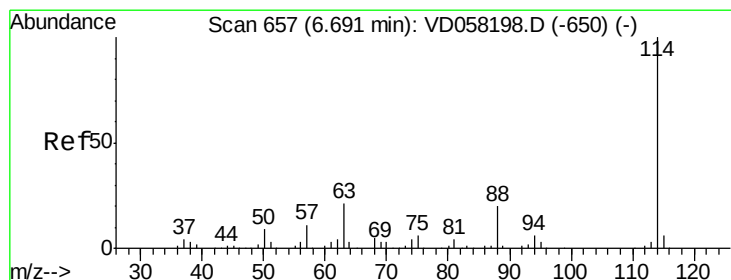
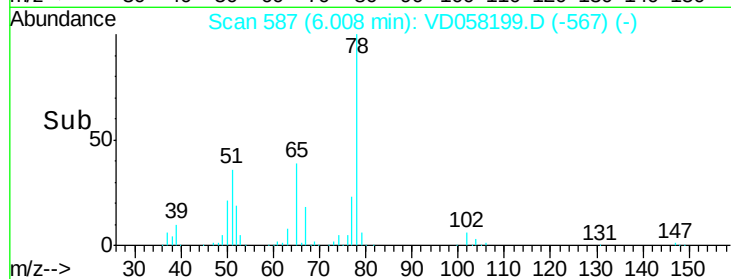
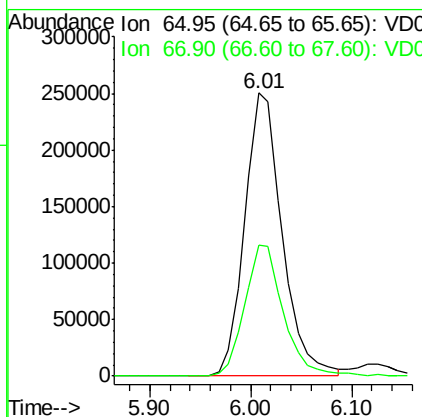
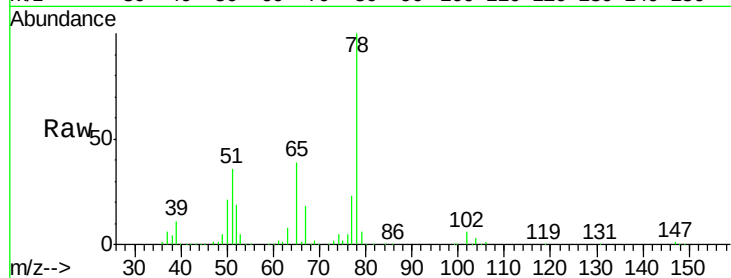




#33
 1,2-Dichloroethane-d4
 Concen: 61.02 ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

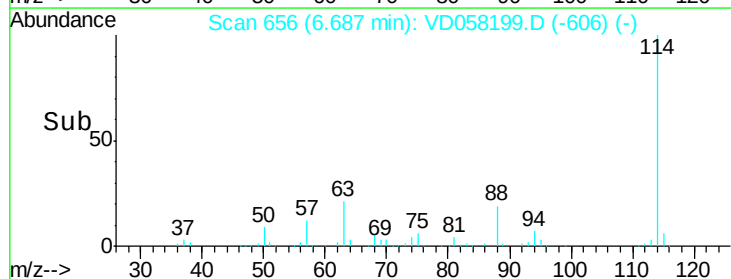
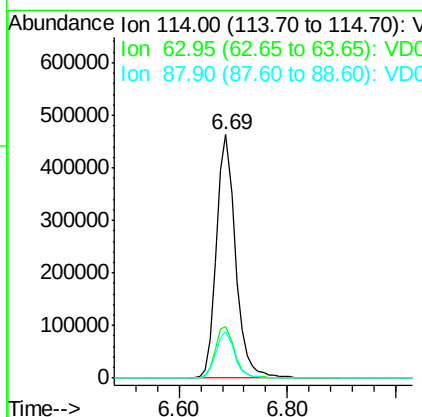
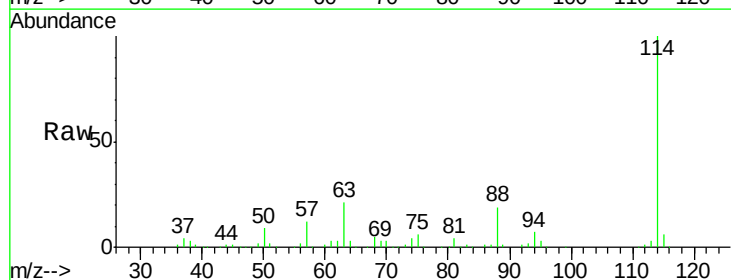
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

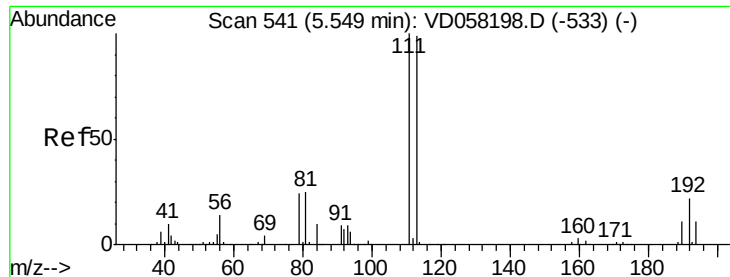
Tot Ion: 65 Resp: 647307
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 114 Resp: 1128890
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 18.9 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

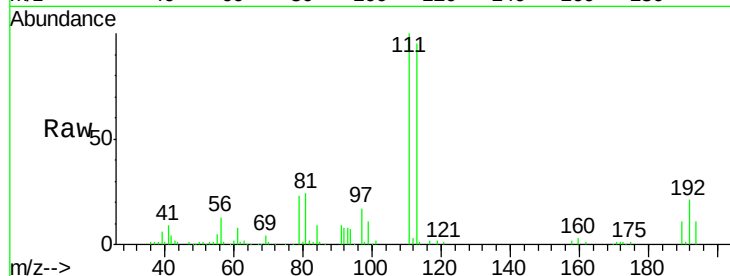
Tot Ion:113 Resp: 662771

Ion Ratio Lower Upper

113 100

111 105.3 80.6 121.0

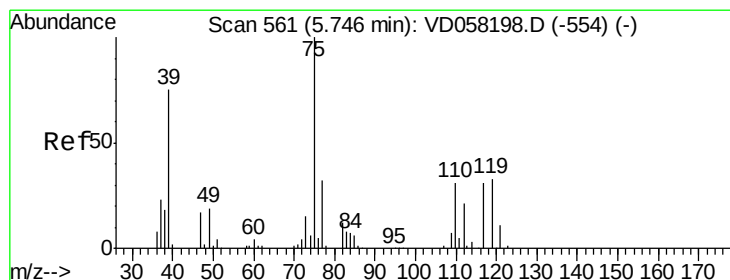
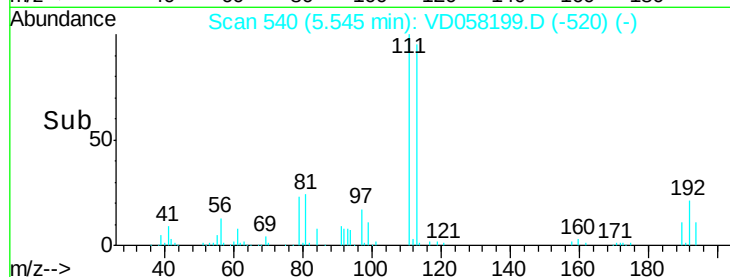
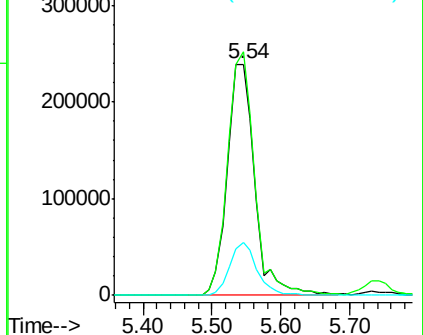
192 22.6 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 59.23 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

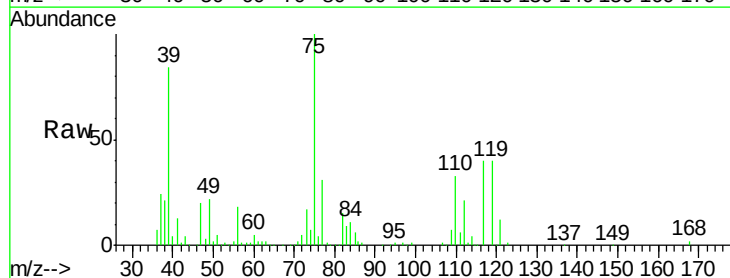
Tgt Ion: 75 Resp: 721990

Ion Ratio Lower Upper

75 100

110 32.7 15.4 46.4

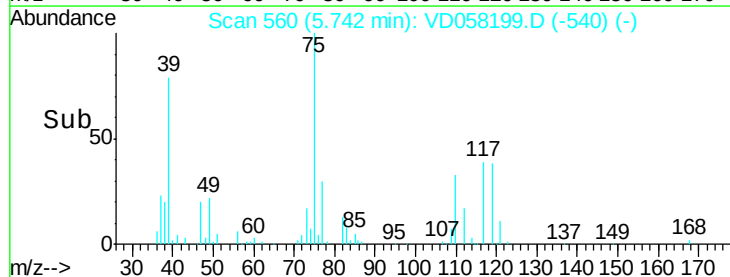
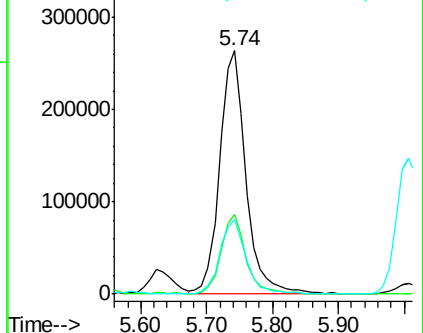
77 30.6 25.4 38.2

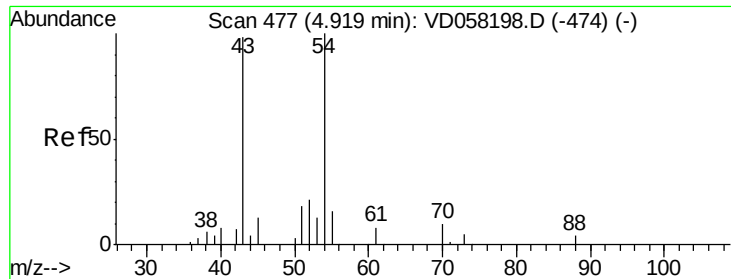


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

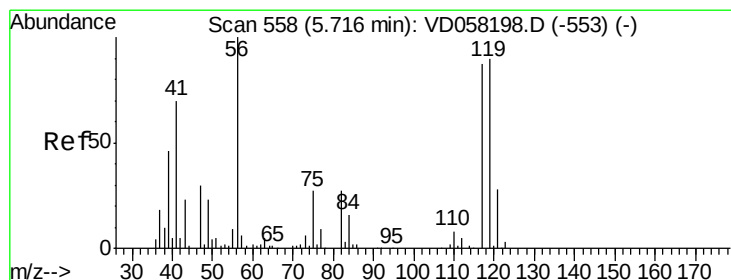
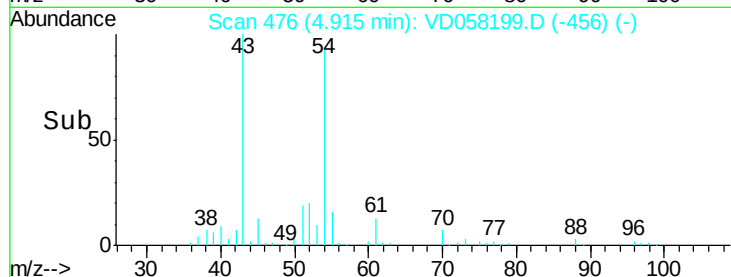
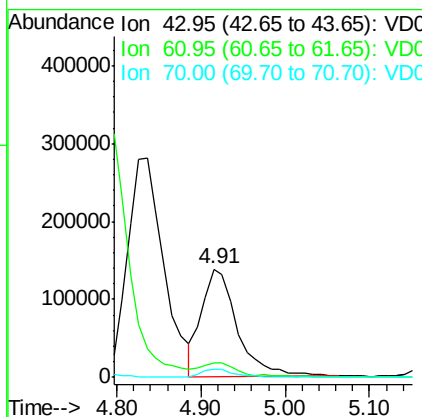
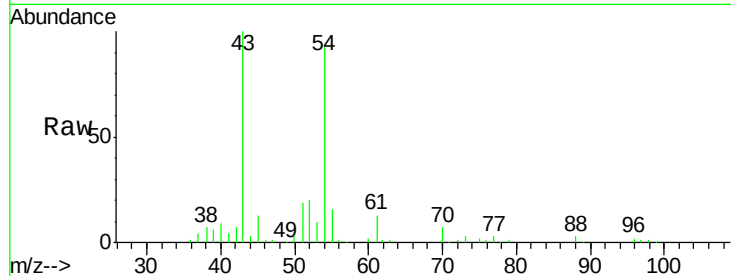




#37
Ethyl Acetate
Concen: 59.01 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

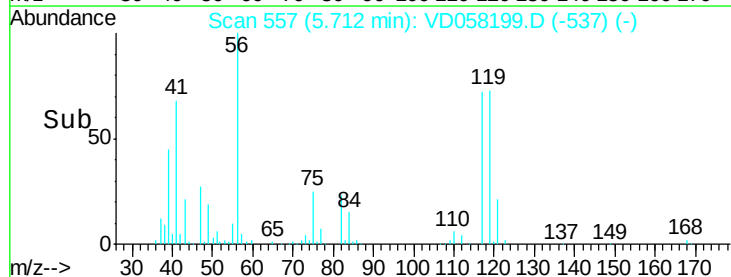
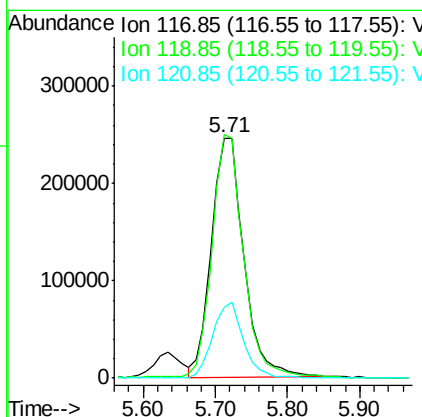
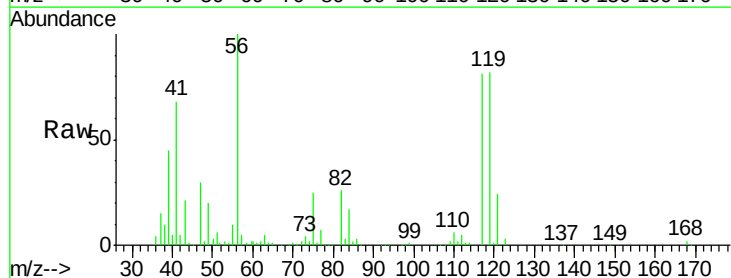
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

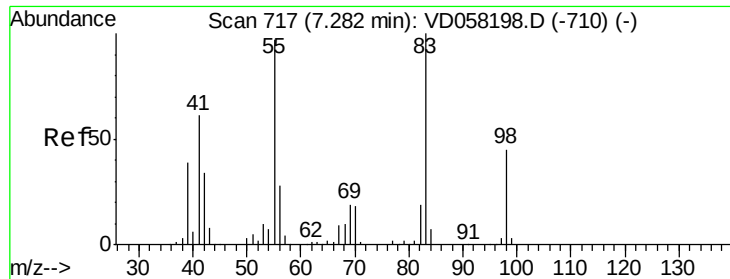
Tot Ion: 43 Resp: 401759
Ion Ratio Lower Upper
43 100
61 13.2 10.3 15.5
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 63.46 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 117 Resp: 765030
Ion Ratio Lower Upper
117 100
119 101.3 78.8 118.2
121 29.7 25.0 37.6

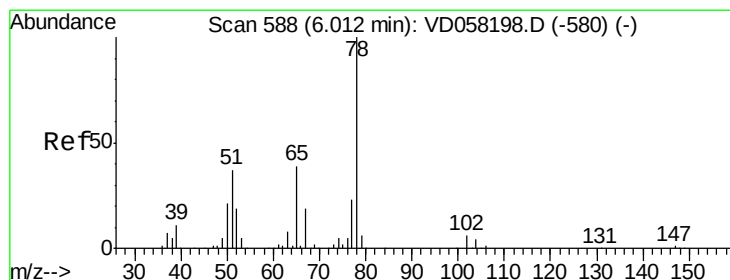
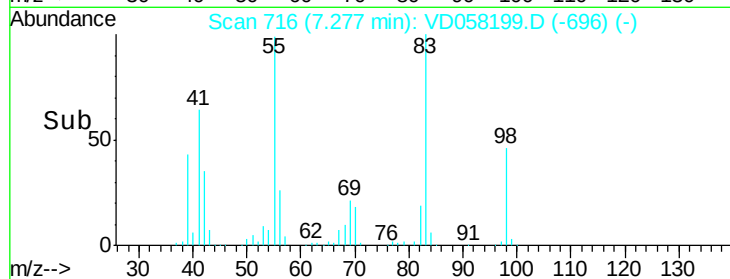
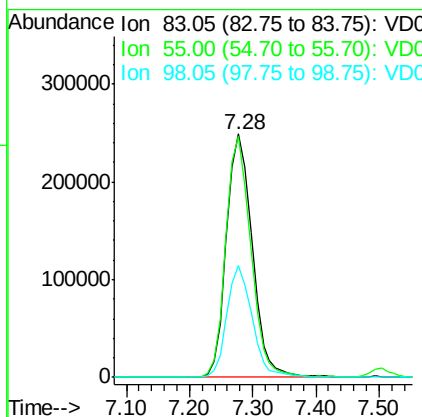
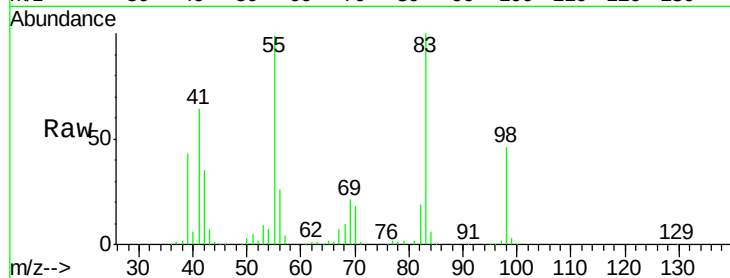




#39
Methylvlcyclohexane
Concen: 59.12 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

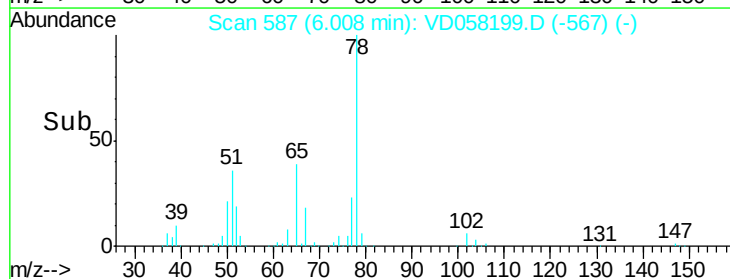
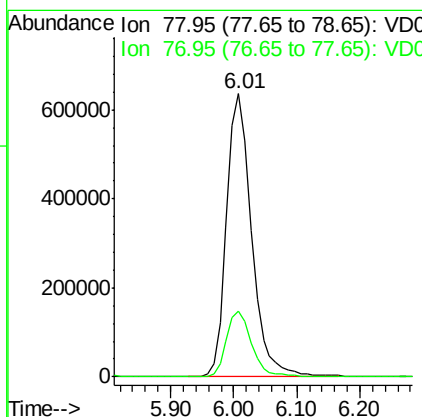
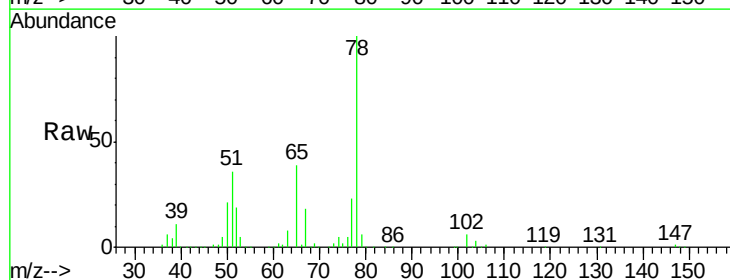
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

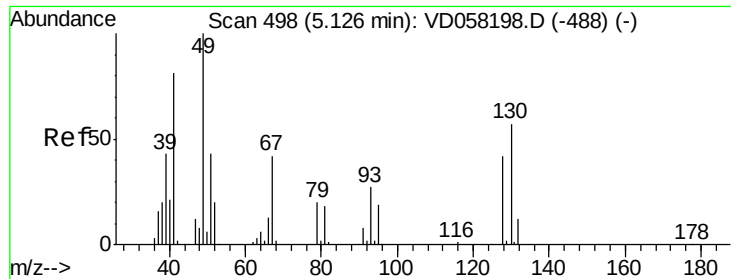
Tot Ion: 83 Resp: 709033
Ion Ratio Lower Upper
83 100
55 98.9 77.4 116.2
98 46.0 35.9 53.9



#40
Benzene
Concen: 61.60 ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 78 Resp: 1755054
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

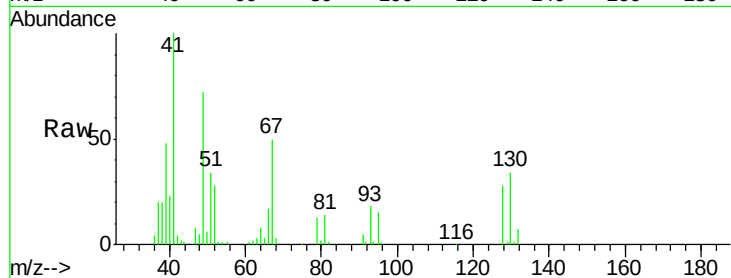




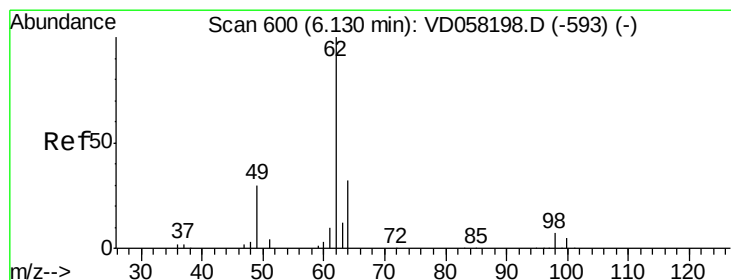
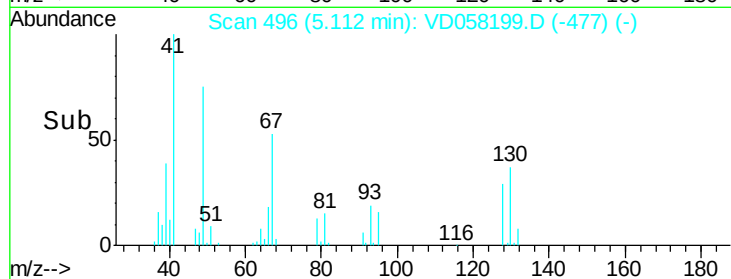
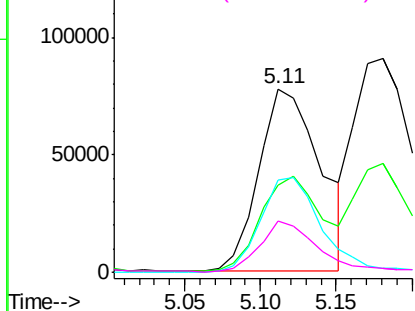
#41
Methacrylonitrile
Concen: 71.73 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:	41	Resp:	221414
Ion	Ratio	Lower	Upper
41	100		
39	47.6	43.4	65.2
67	50.2	41.7	62.5
52	28.0	20.6	30.8

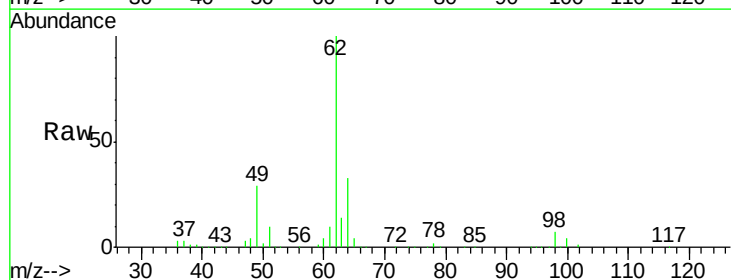


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

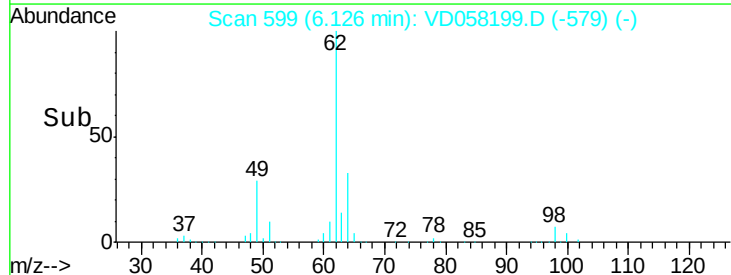
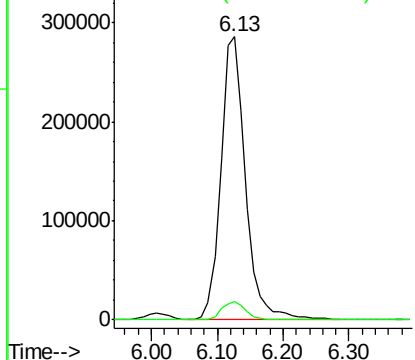


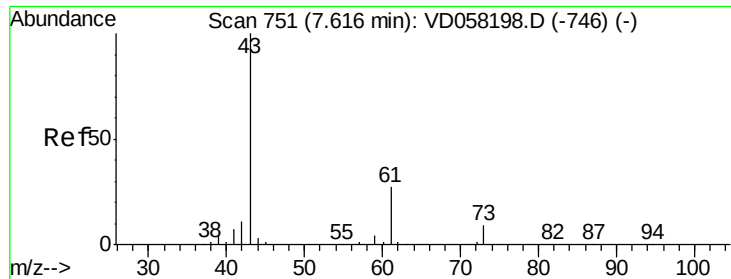
#42
1,2-Dichloroethane
Concen: 64.16 ug/l
RT: 6.13 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:	62	Resp:	741346
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	13.2



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





#43

Isopropyl Acetate

Concen: 62.94 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

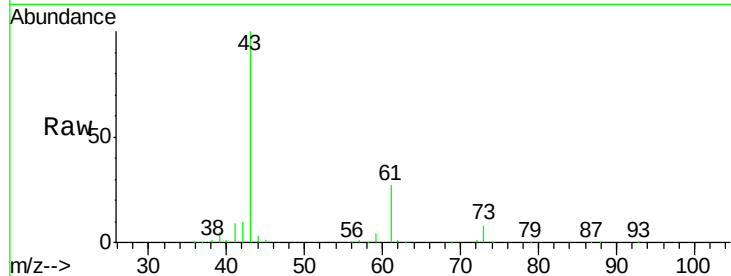
Tot Ion: 43 Resp: 560958

Ion Ratio Lower Upper

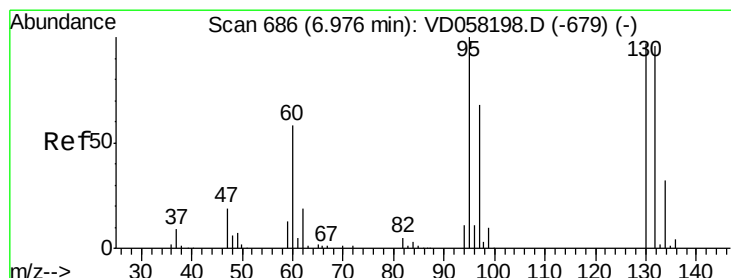
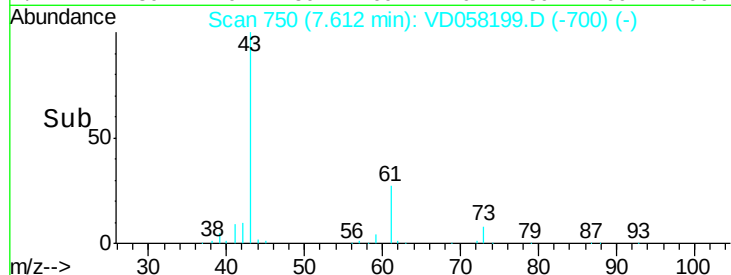
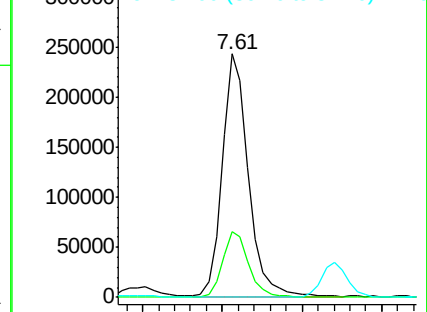
43 100

61 26.9 21.8 32.6

87 0.3 0.3 0.5#



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



#44

Trichloroethene

Concen: 64.58 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD058199.D

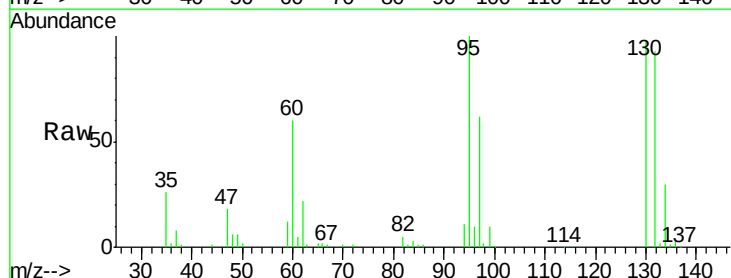
Acq: 19 Jun 2018 17:28

Tgt Ion:130 Resp: 537640

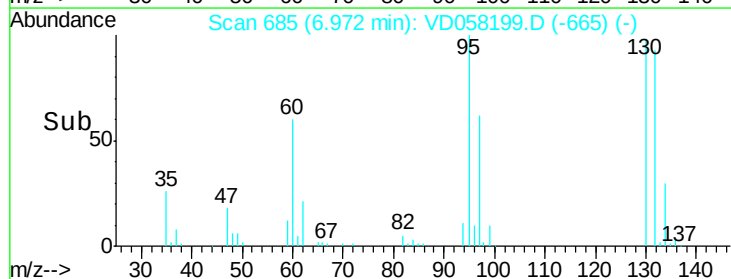
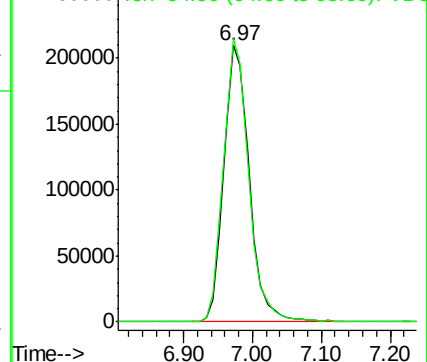
Ion Ratio Lower Upper

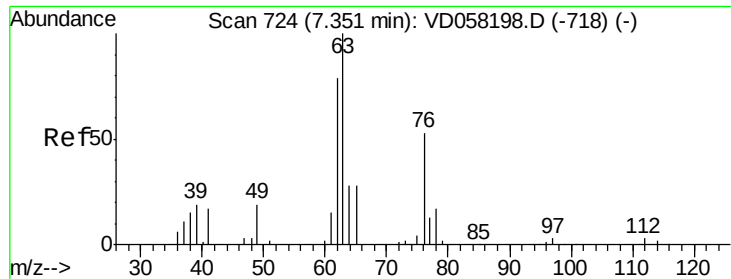
130 100

95 102.4 0.0 205.6



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

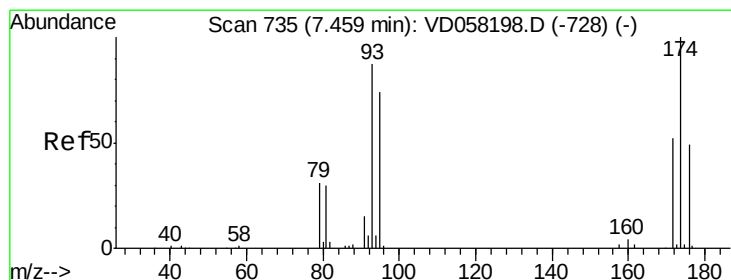
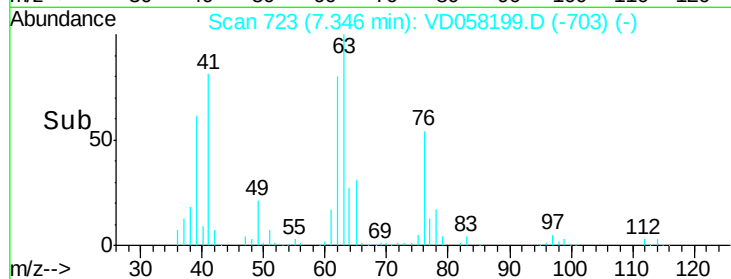
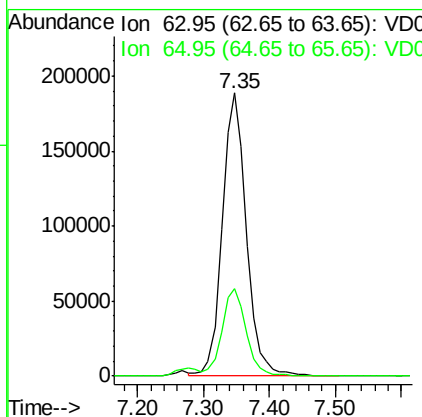
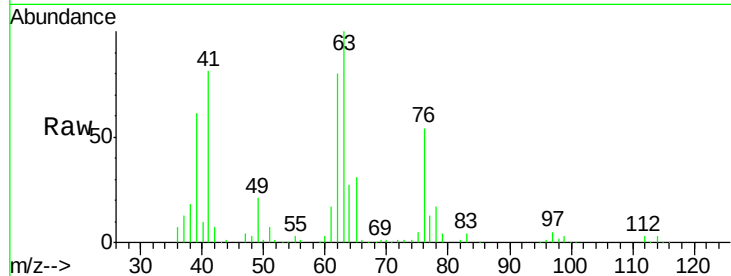




#45
 1,2-Dichloropropane
 Concen: 60.55 ug/l
 RT: 7.35 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

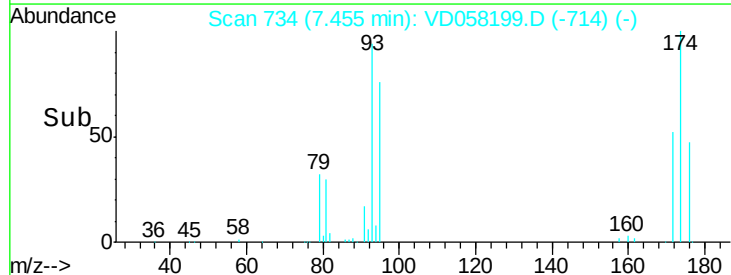
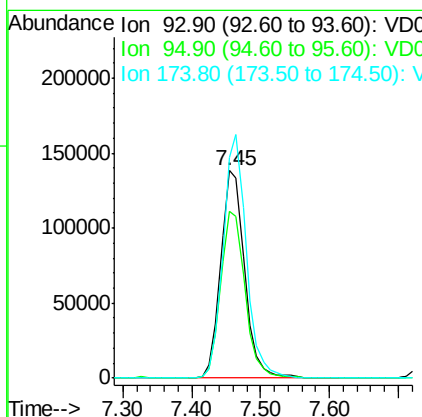
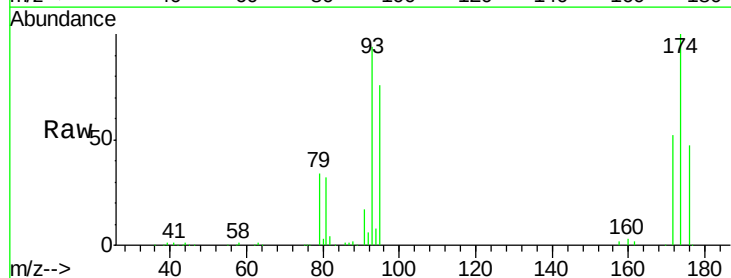
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

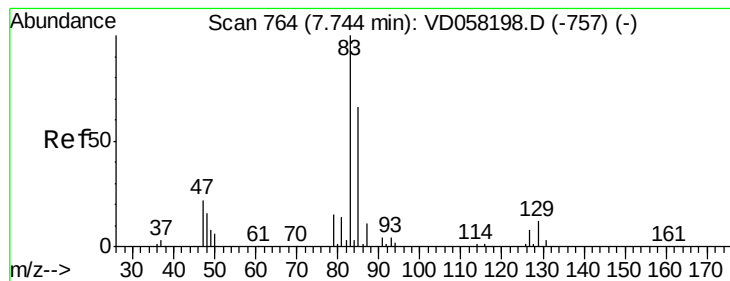
Tot Ion: 63 Resp: 479320
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0



#46
 Dibromomethane
 Concen: 64.66 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 93 Resp: 333715
 Ion Ratio Lower Upper
 93 100
 95 80.5 67.8 101.6
 174 106.1 92.2 138.2





#47

Bromodichloromethane

Concen: 66.42 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

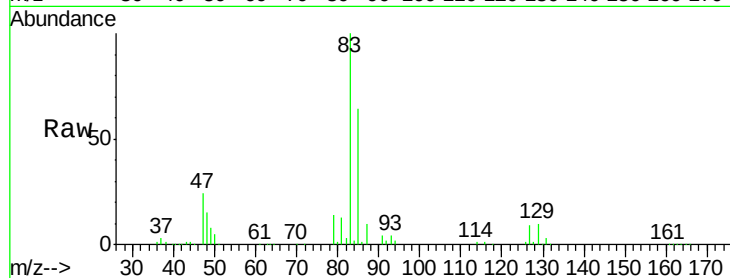
Tot Ion: 83 Resp: 790102

Ion Ratio Lower Upper

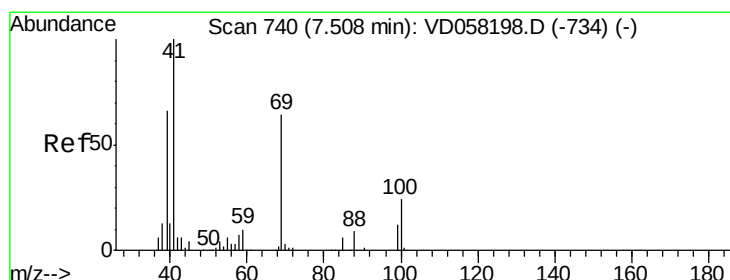
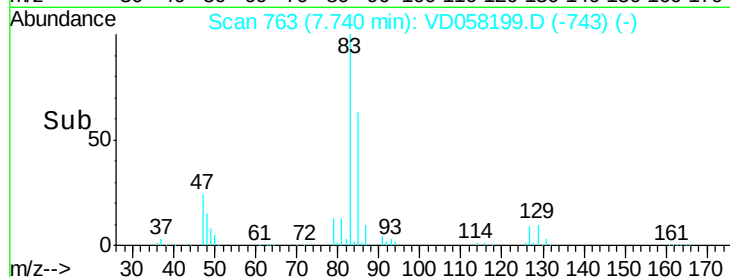
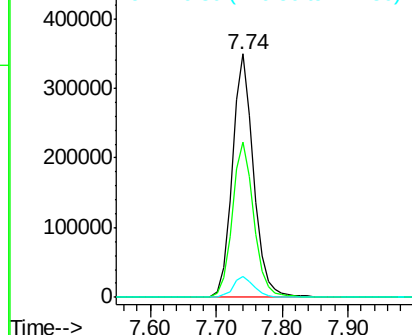
83 100

85 63.5 52.6 78.8

127 8.7 6.2 9.4



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



#48

Methyl methacrylate

Concen: 62.74 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

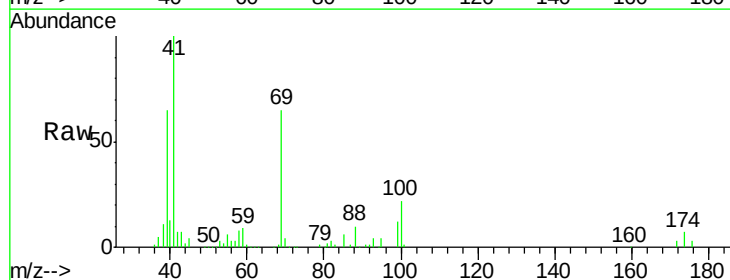
Tgt Ion: 41 Resp: 342714

Ion Ratio Lower Upper

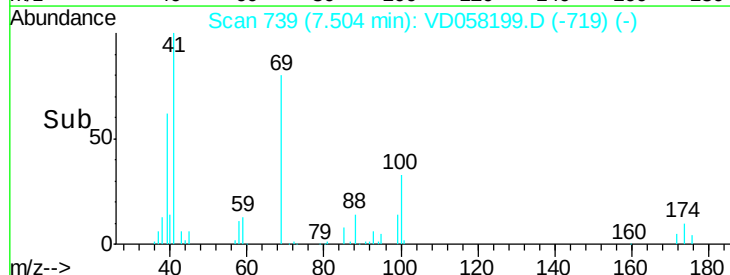
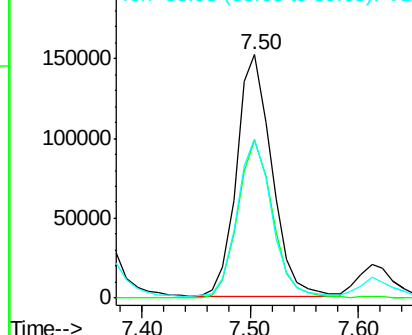
41 100

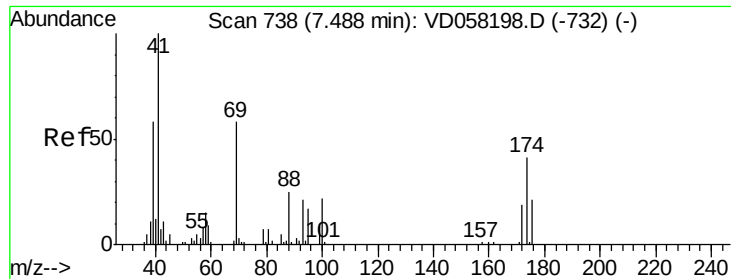
69 65.0 50.7 76.1

39 65.2 52.6 78.8



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: 1397.84 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

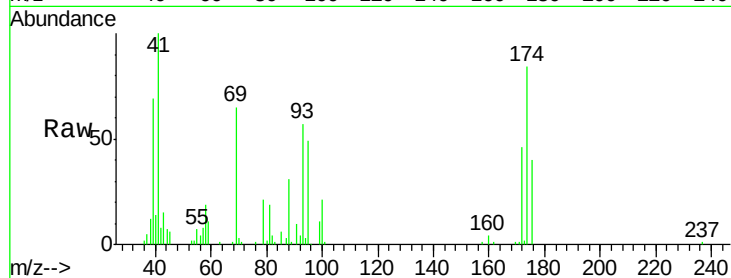
Tot Ion: 88 Resp: 65326

Ion Ratio Lower Upper

88 100

43 47.8 34.2 51.2

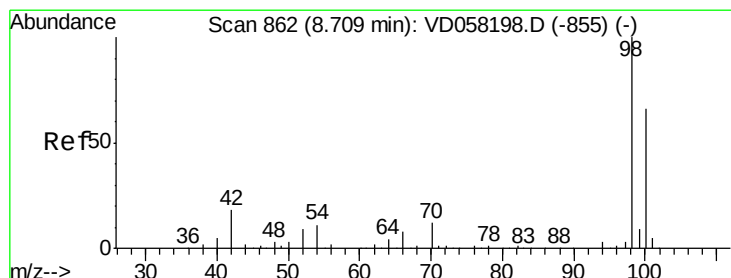
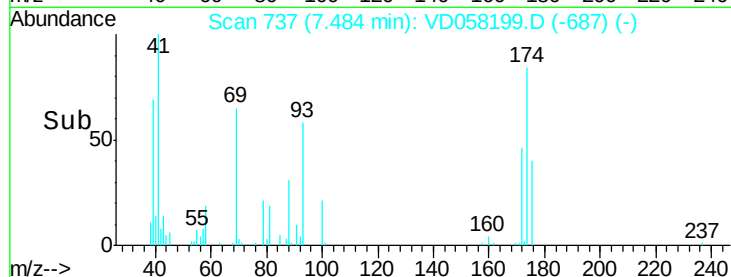
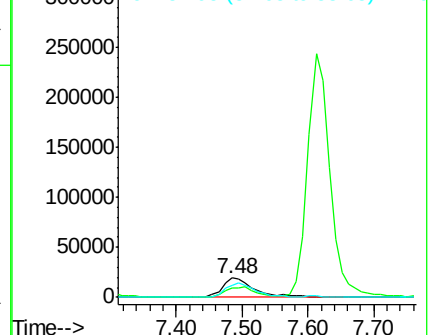
58 60.0 47.9 71.9



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: 1397.84 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058199.D

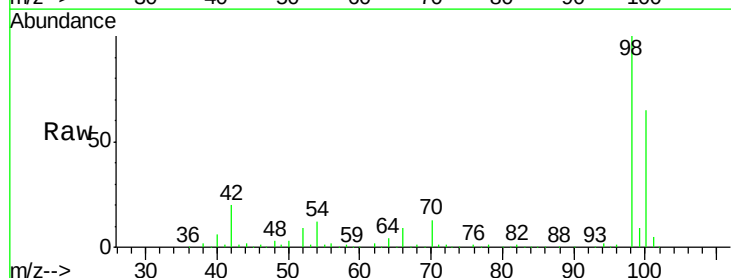
Acq: 19 Jun 2018 17:28

Tgt Ion: 98 Resp: 1590799

Ion Ratio Lower Upper

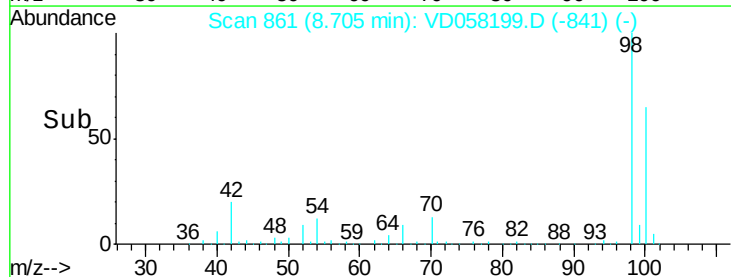
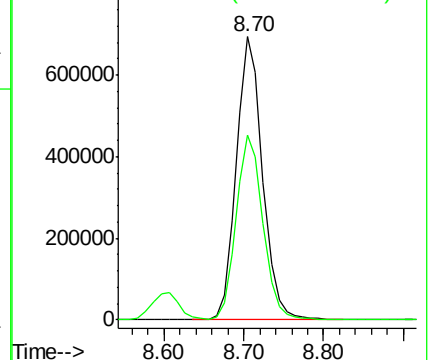
98 100

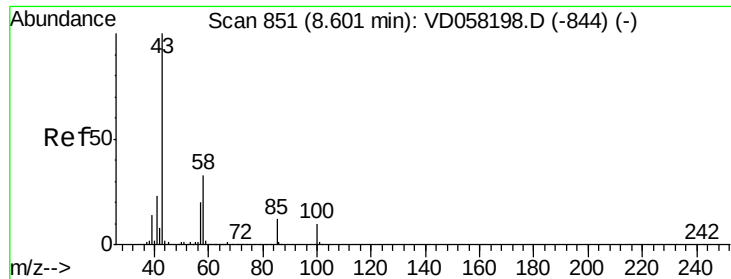
100 65.4 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 306.28 ug/l

RT: 8.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

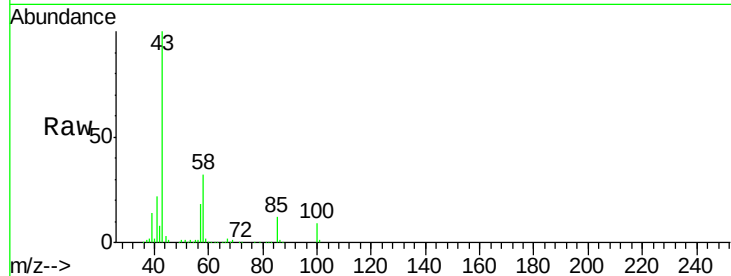
VSTDIC075

Tot Ion: 43 Resp: 1752724

Ion Ratio Lower Upper

43 100

58 32.3 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

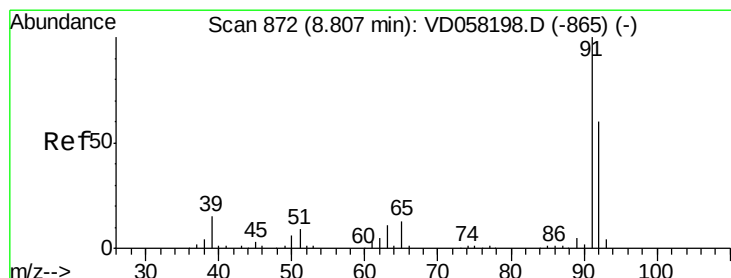
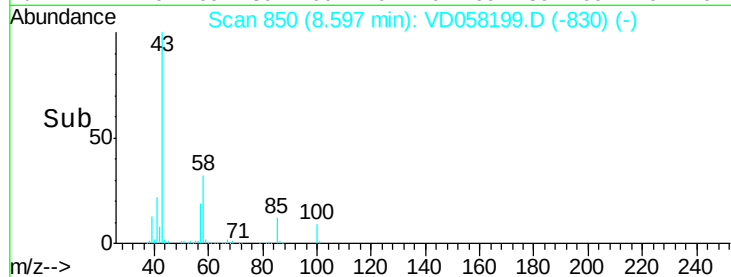
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 60.98 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058199.D

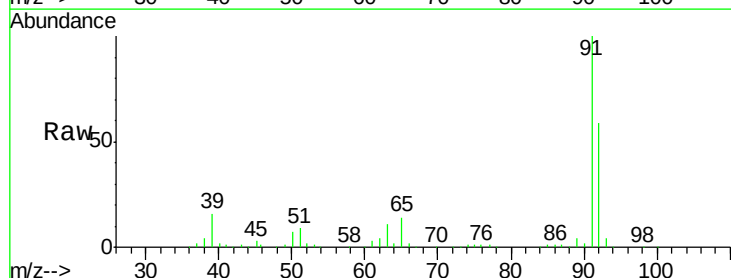
Acq: 19 Jun 2018 17:28

Tgt Ion: 92 Resp: 997955

Ion Ratio Lower Upper

92 100

91 168.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

800000

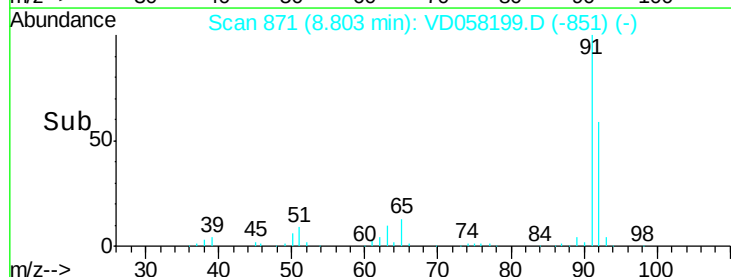
600000

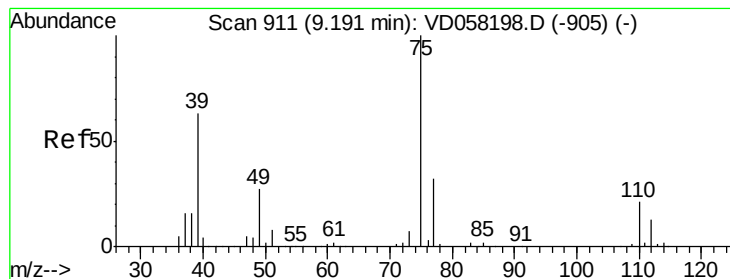
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 65.78 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

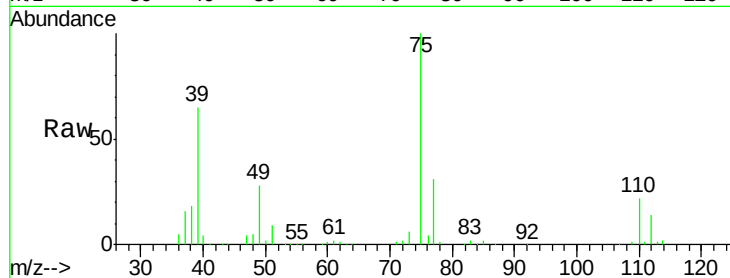
VSTDIC075

Tot Ion: 75 Resp: 681061

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.19

300000

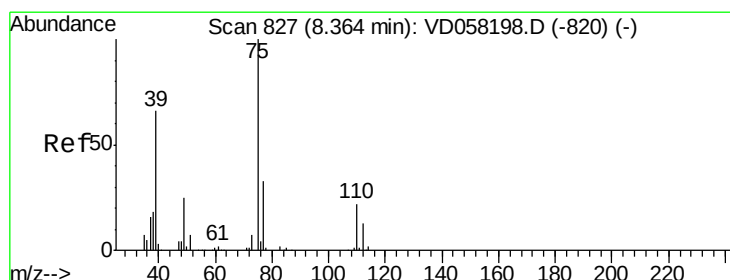
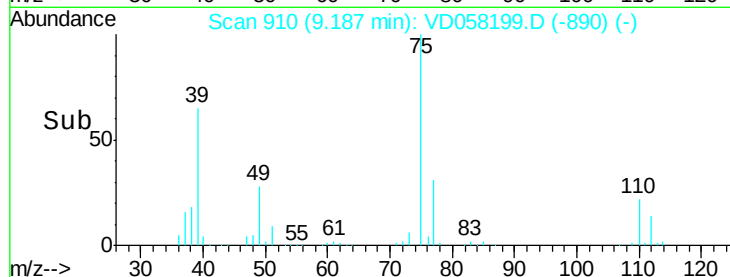
200000

100000

0

Time-->

9.10 9.20 9.30 9.40



#54

cis-1,3-Dichloropropene

Concen: 64.15 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

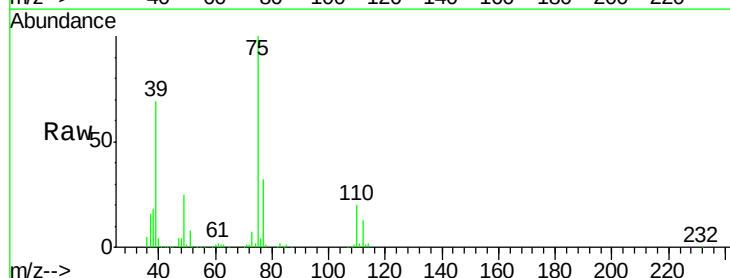
Tgt Ion: 75 Resp: 780308

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7

39 68.5 52.9 79.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.36

500000

400000

300000

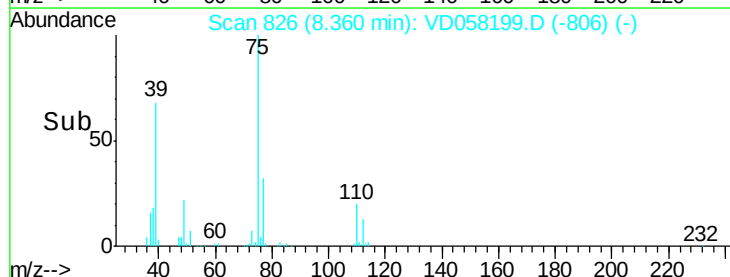
200000

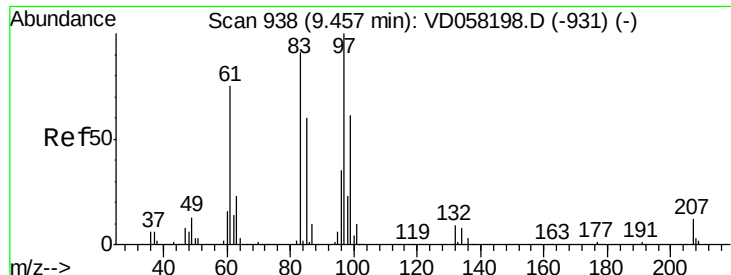
100000

0

Time-->

8.30 8.40 8.50

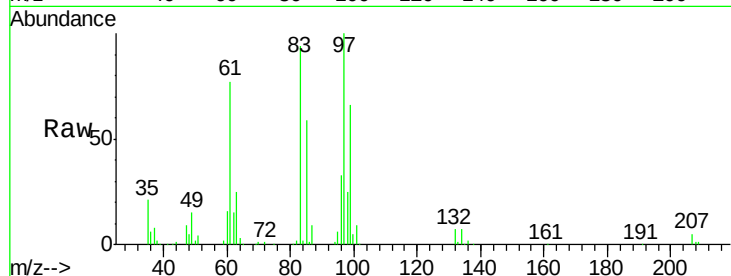




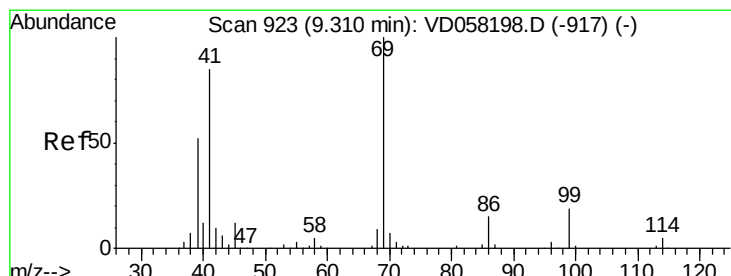
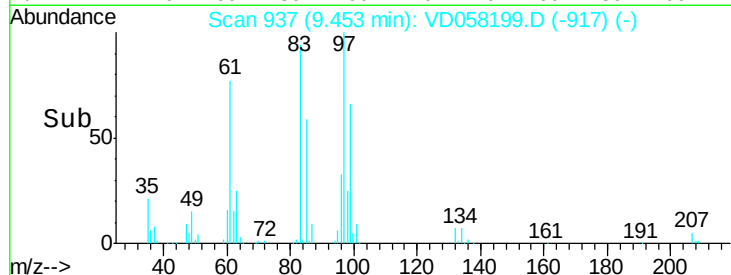
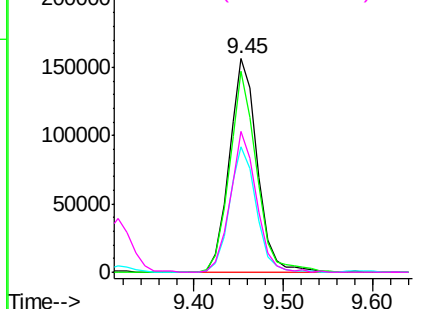
#55
 1,1,2-Trichloroethane
 Concen: 63.52 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	342839
Ion	Ratio	Lower	Upper
97	100		
83	94.0	72.9	109.3
85	58.8	48.2	72.4
99	65.7	48.9	73.3

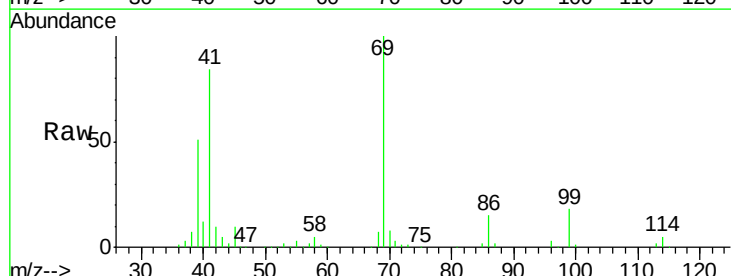


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

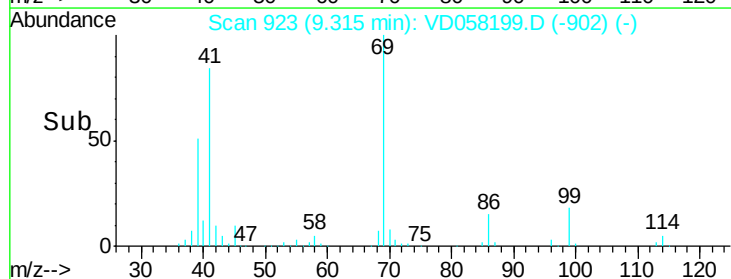
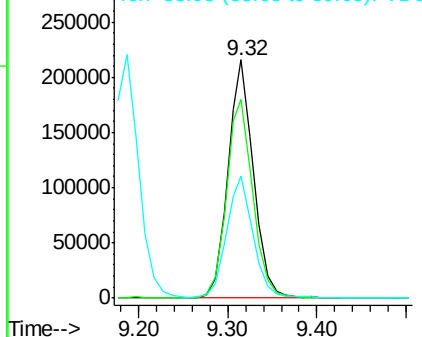


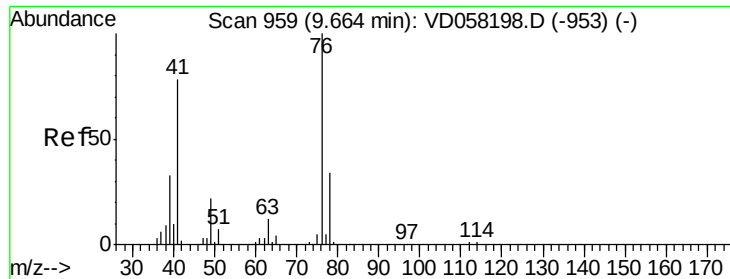
#56
 Ethyl methacrylate
 Concen: 65.26 ug/l
 RT: 9.32 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion:	69	Resp:	432647
Ion	Ratio	Lower	Upper
69	100		
41	83.6	67.6	101.4
39	51.3	42.2	63.2



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

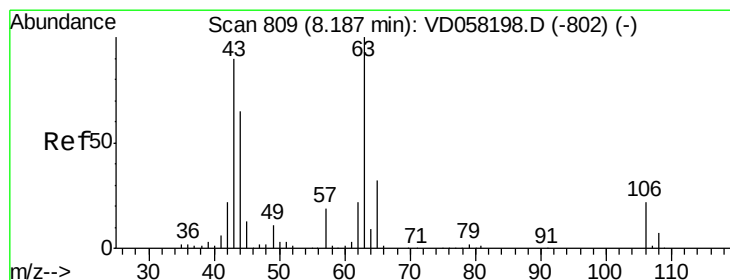
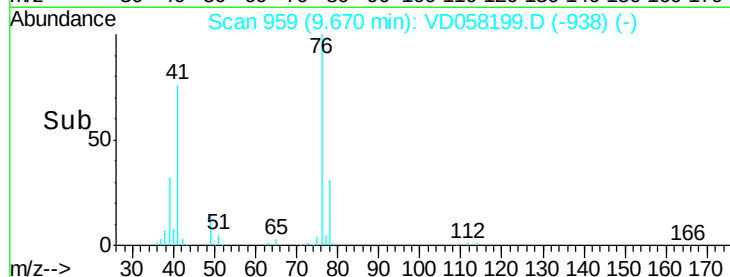
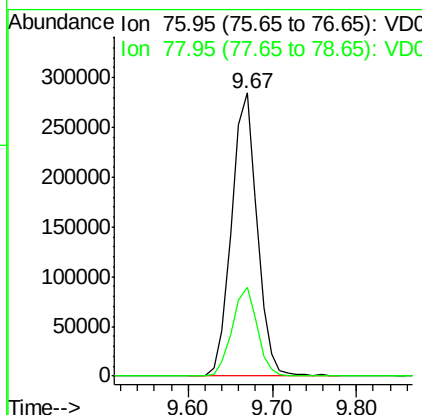
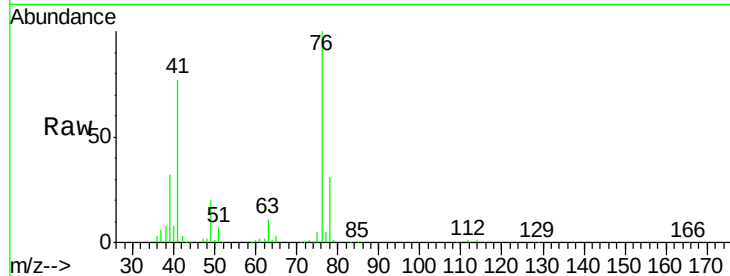




#57
 1,3-Dichloropropane
 Concen: 64.41 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

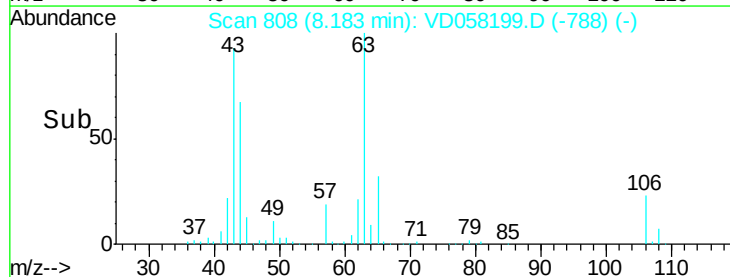
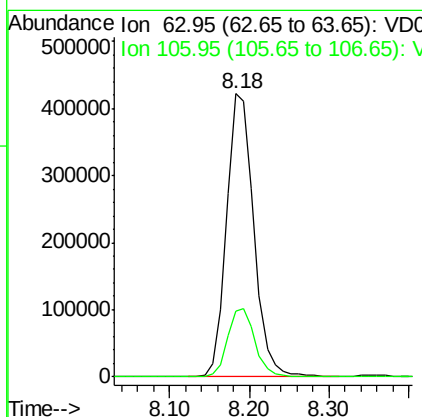
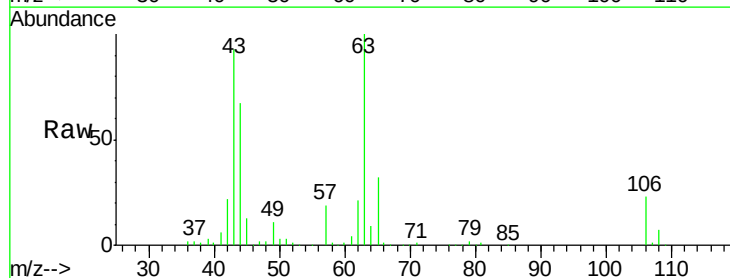
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

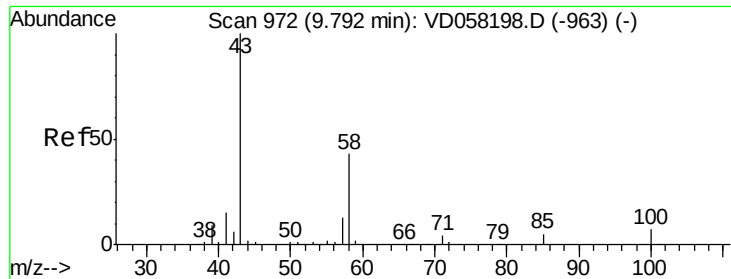
Tot Ion: 76 Resp: 602783
 Ion Ratio Lower Upper
 76 100
 78 31.3 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.28 ug/l
 RT: 8.18 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 63 Resp: 1012927
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.0 27.0

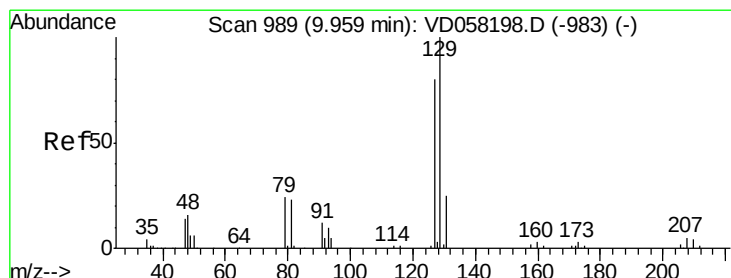
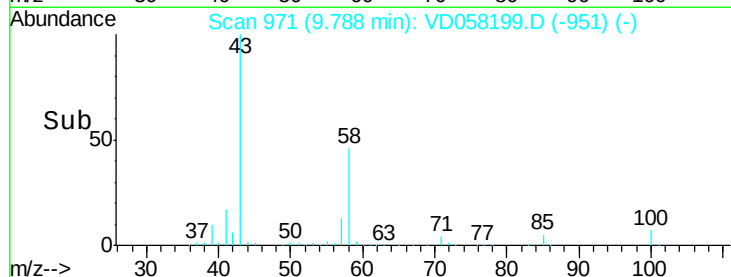
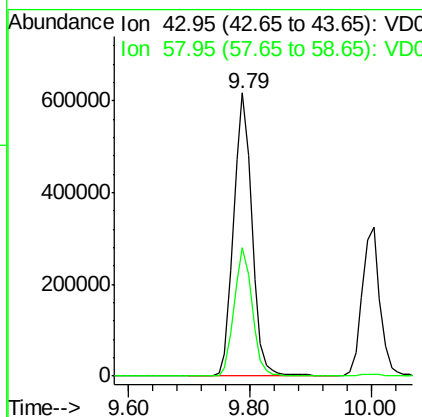
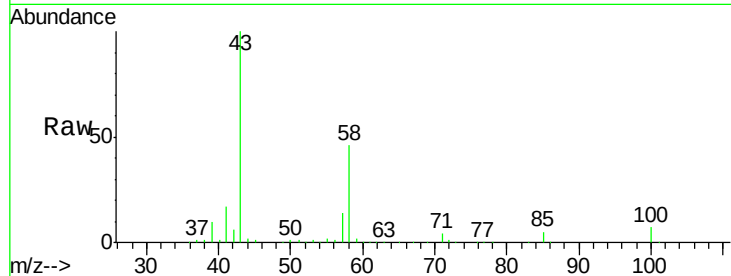




#59
2-Hexanone
Concen: 312.35 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

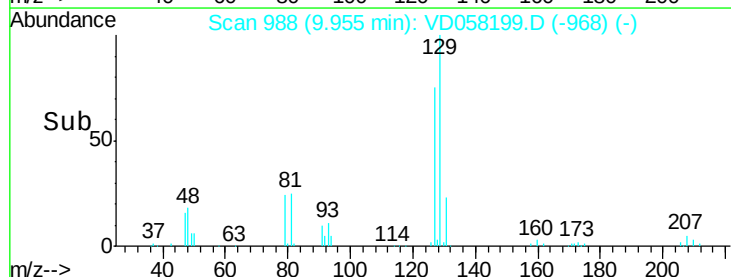
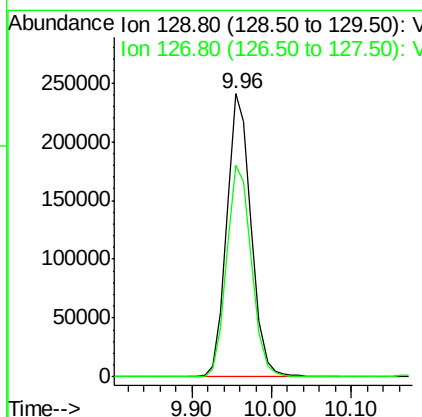
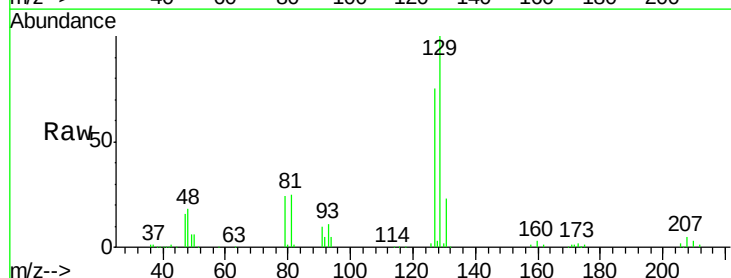
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

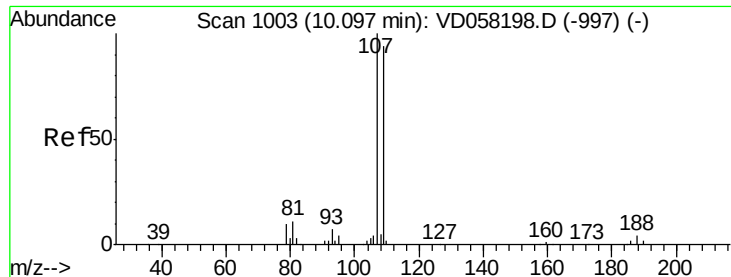
Tot Ion: 43 Resp: 1303282
Ion Ratio Lower Upper
43 100
58 45.5 21.7 65.1



#60
Dibromochloromethane
Concen: 68.15 ug/l
RT: 9.96 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 129 Resp: 515519
Ion Ratio Lower Upper
129 100
127 74.8 39.8 119.4





#61

1,2-Dibromoethane

Concen: 64.33 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

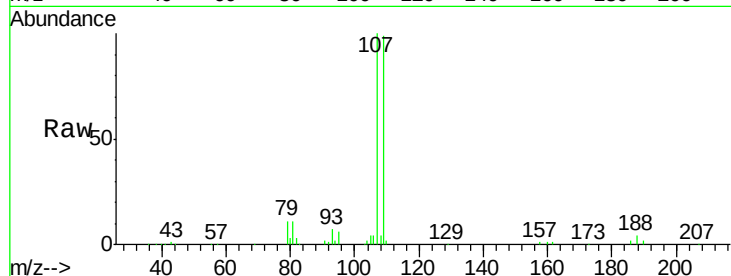
VSTDIC075

Tot Ion:107 Resp: 398414

Ion Ratio Lower Upper

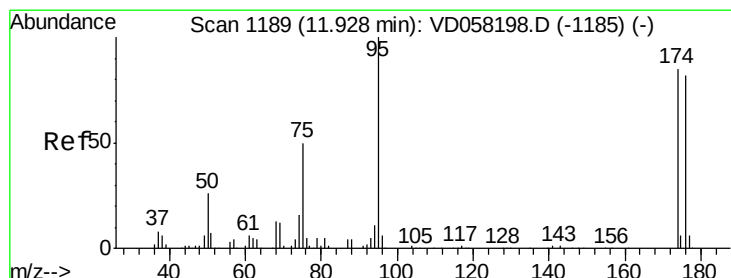
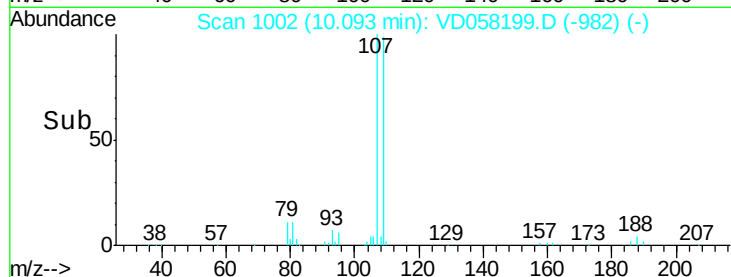
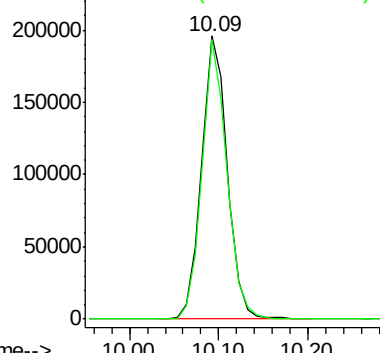
107 100

109 98.6 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 64.33 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

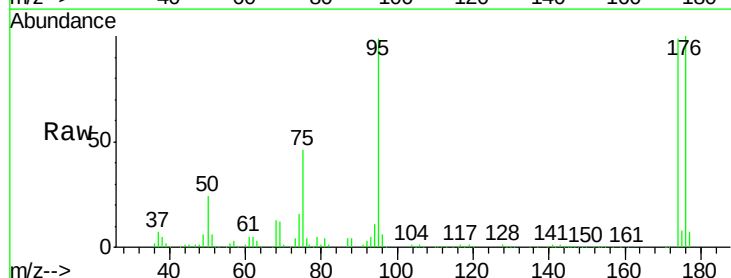
Tgt Ion: 95 Resp: 664700

Ion Ratio Lower Upper

95 100

174 100.9 0.0 170.2

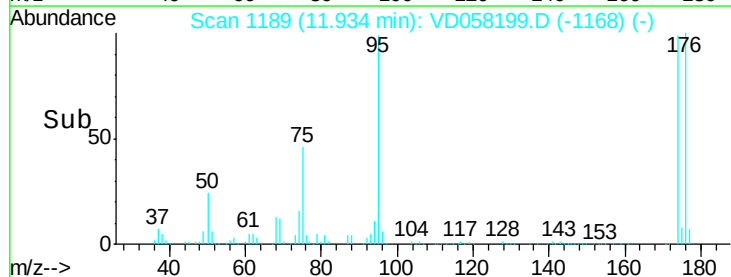
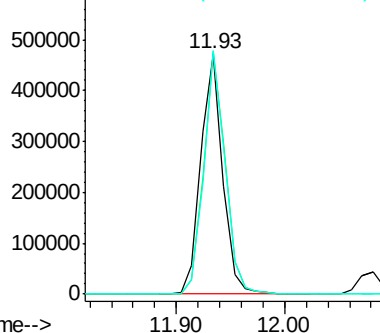
176 101.4 0.0 164.6

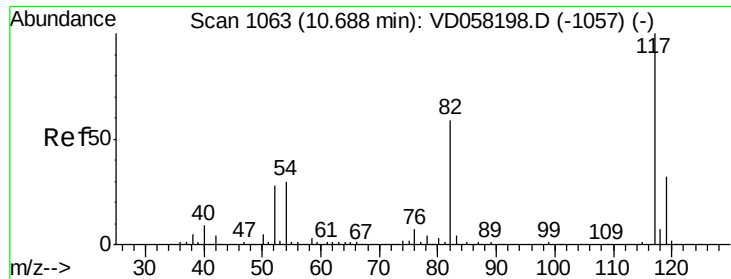


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

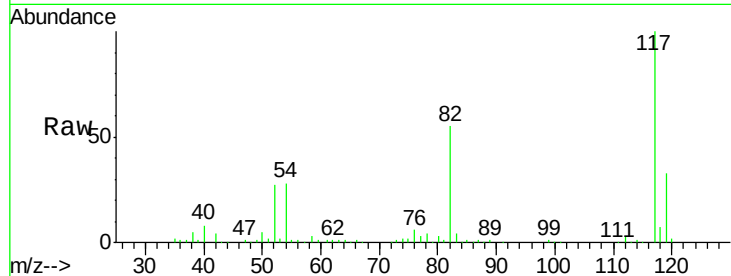




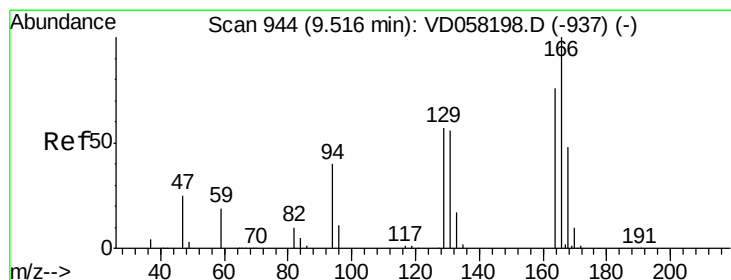
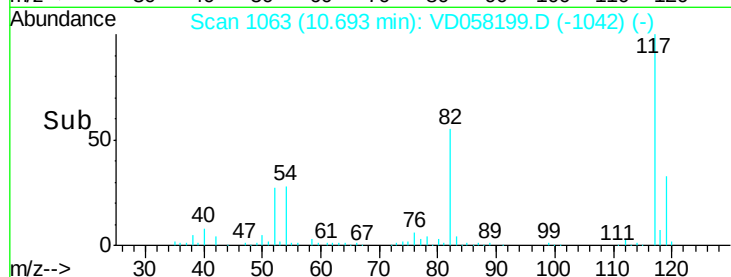
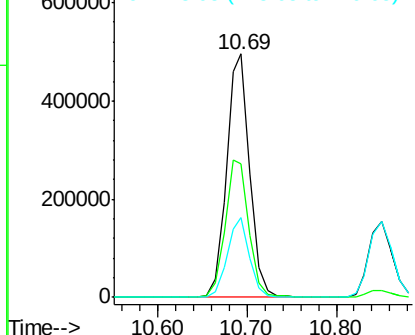
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 902122
Ion Ratio Lower Upper
117 100
82 55.1 47.0 70.6
119 32.7 25.3 37.9

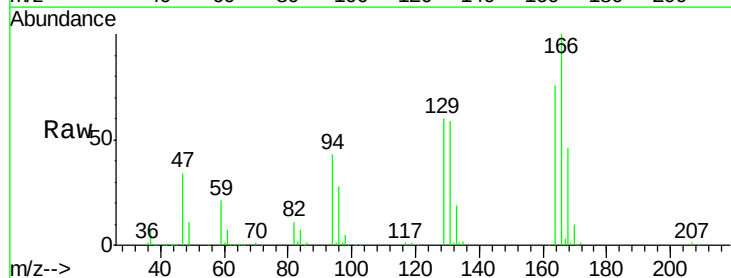


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

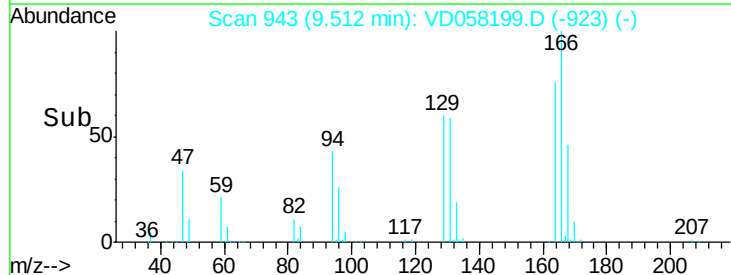
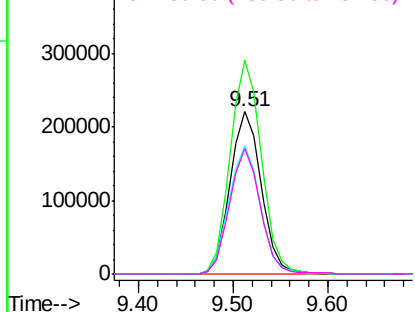


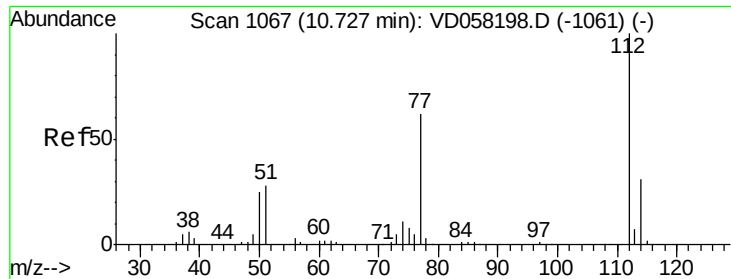
#64
Tetrachloroethene
Concen: 63.39 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:164 Resp: 504770
Ion Ratio Lower Upper
164 100
166 131.7 105.4 158.0
129 79.1 59.6 89.4
131 77.3 59.4 89.2



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

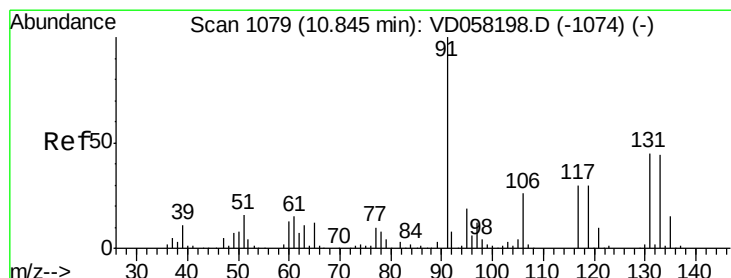
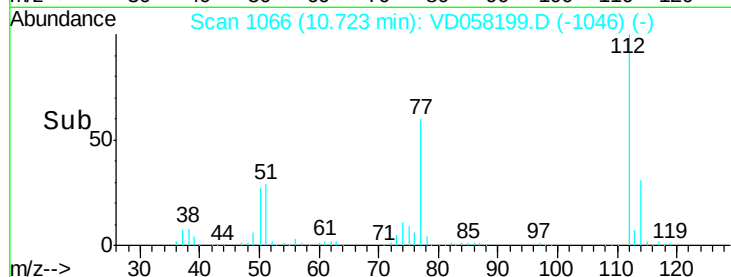
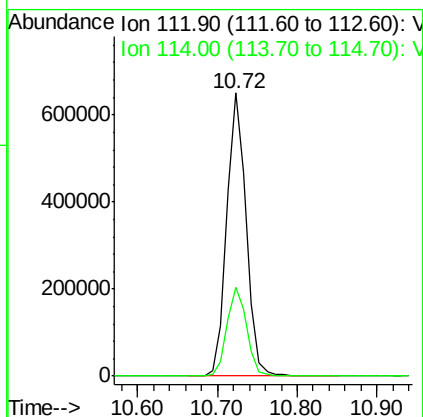
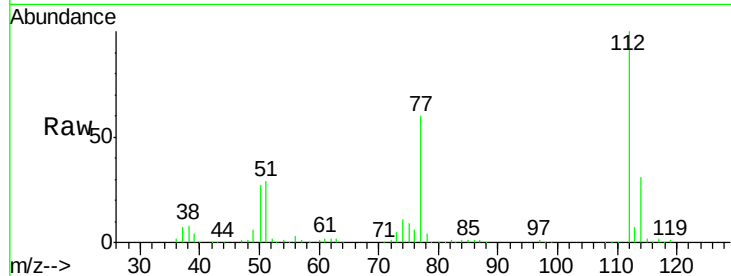




#65
Chlorobenzene
Concen: 62.63 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

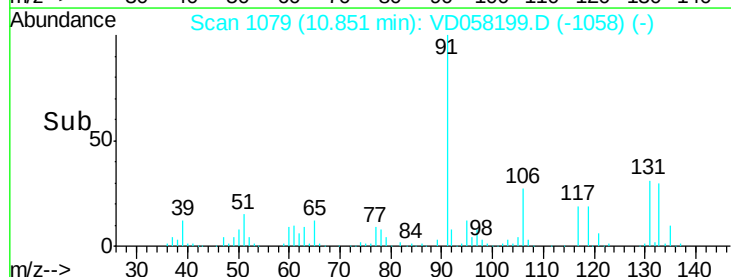
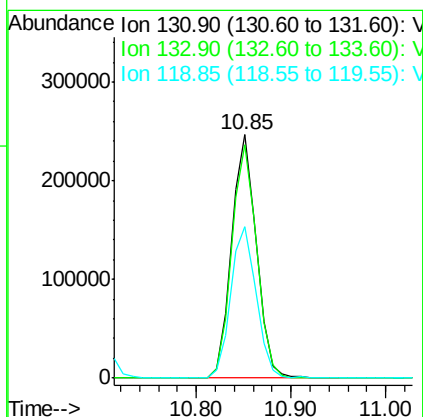
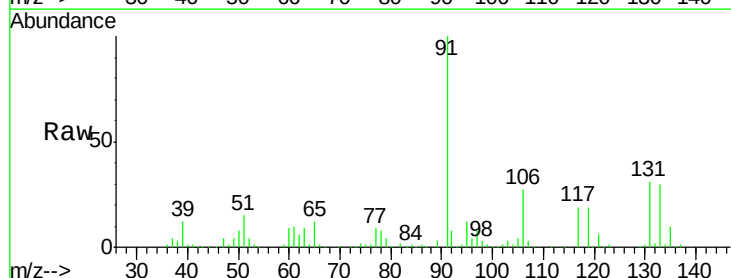
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

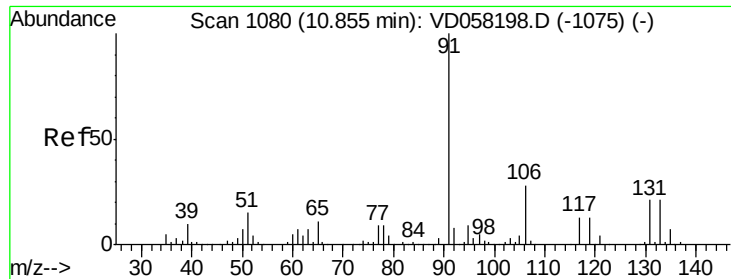
Tot Ion:112 Resp: 1122614
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 64.65 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:131 Resp: 446016
Ion Ratio Lower Upper
131 100
133 96.0 48.6 145.9
119 62.2 33.0 99.0

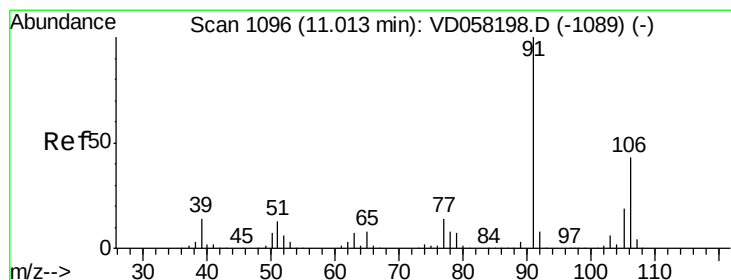
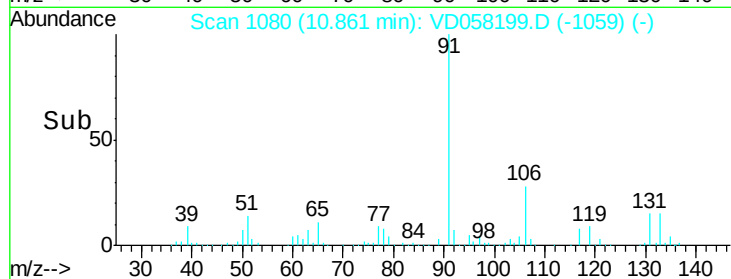
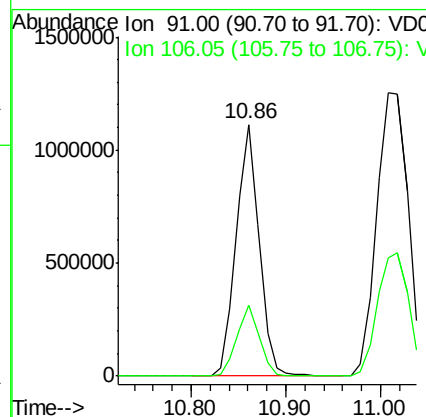
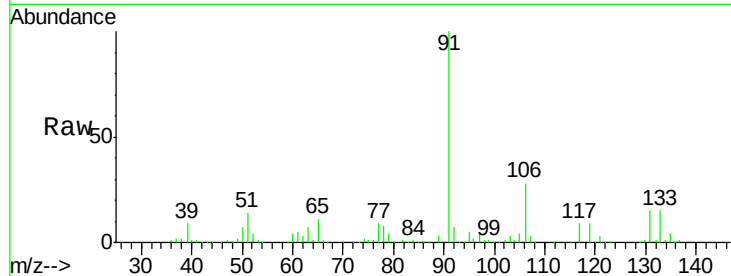




#67
Ethyl Benzene
Concen: 58.31 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

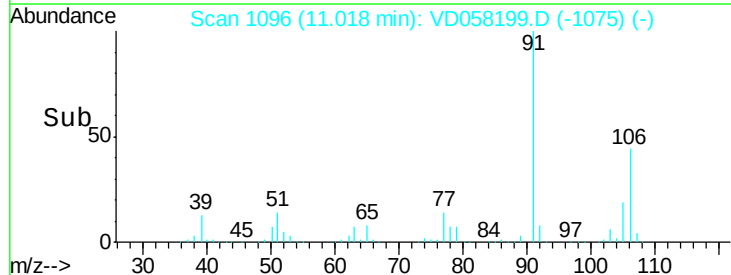
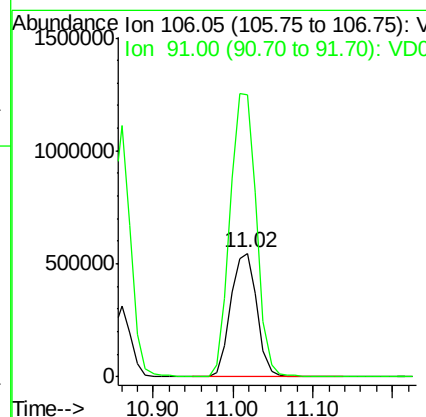
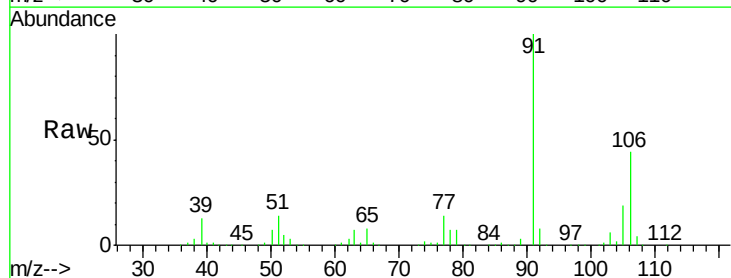
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

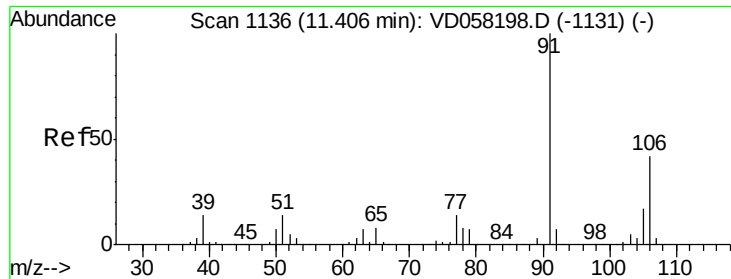
Tot Ion: 91 Resp: 1879341
Ion Ratio Lower Upper
91 100
106 28.0 22.0 33.0



#68
m/p-Xylenes
Concen: 119.10 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:106 Resp: 1258629
Ion Ratio Lower Upper
106 100
91 228.1 185.0 277.6

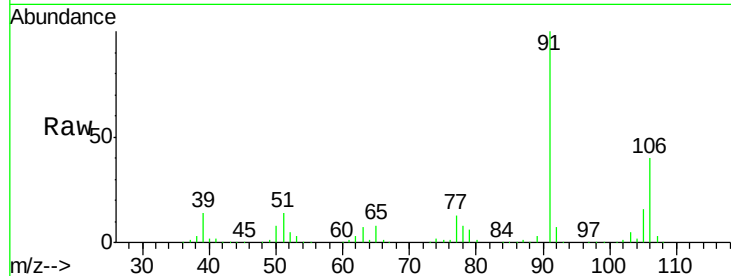




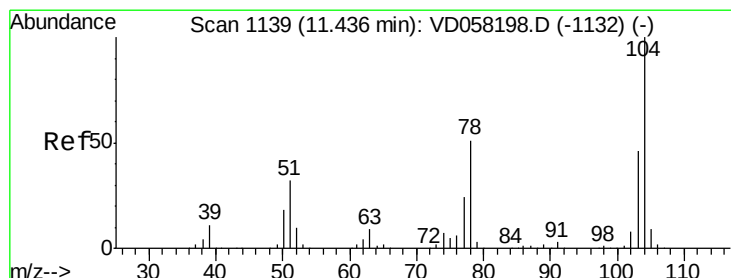
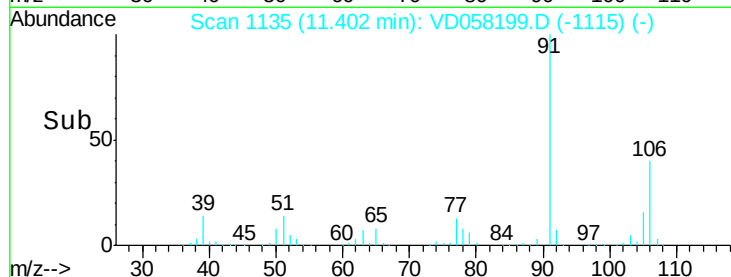
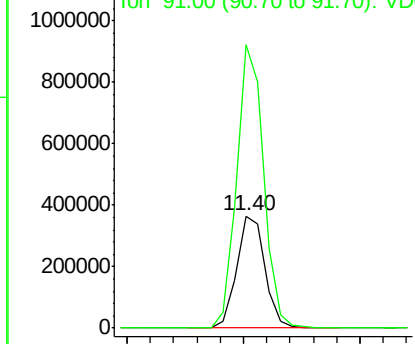
#69
o-Xylene
Concen: 58.67 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 608936
Ion Ratio Lower Upper
106 100
91 252.8 120.2 360.6

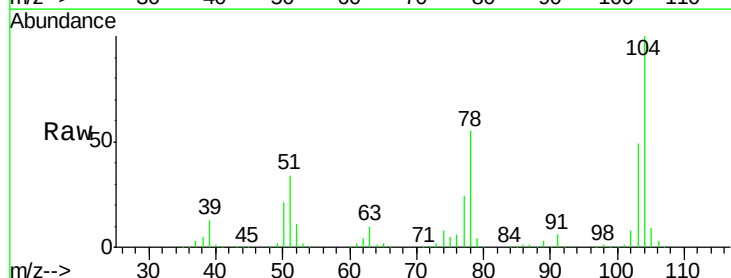


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

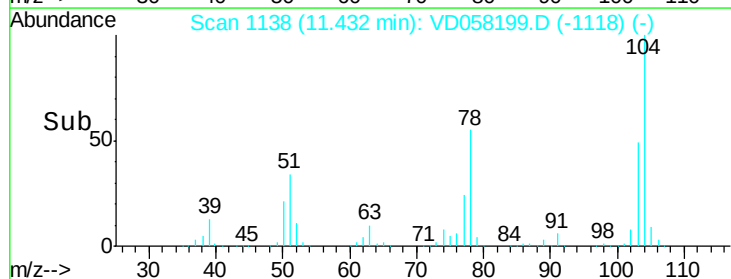
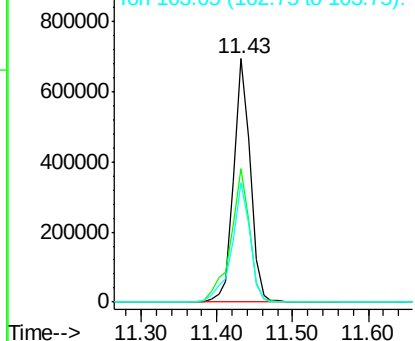


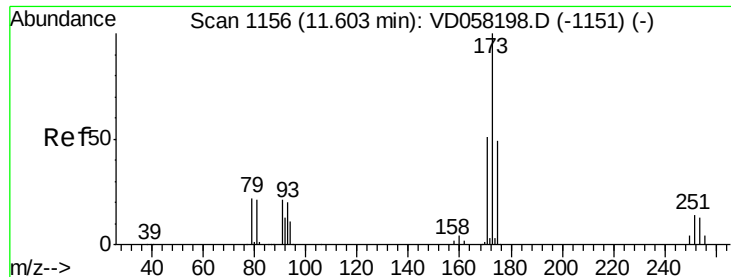
#70
Styrene
Concen: 60.05 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:104 Resp: 1037859
Ion Ratio Lower Upper
104 100
78 54.7 40.8 61.2
103 48.9 37.0 55.6



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

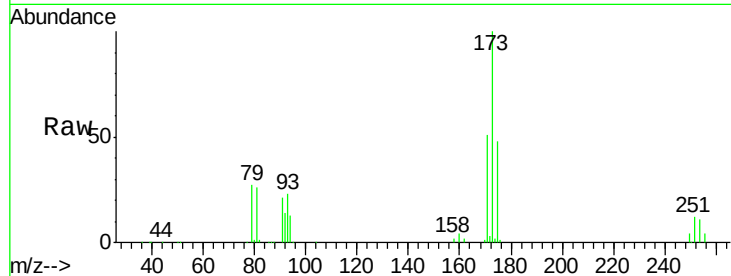




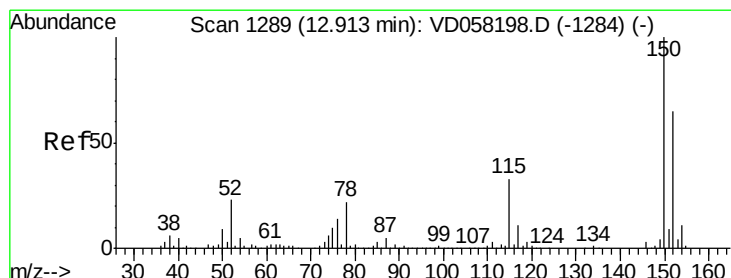
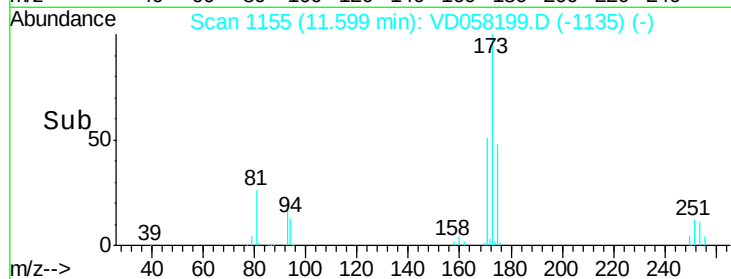
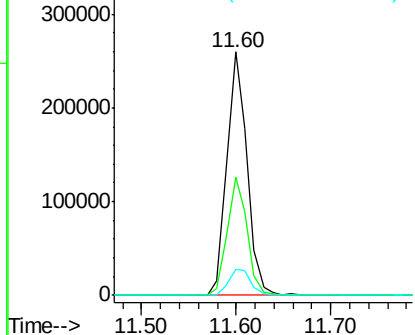
#71
Bromoform
Concen: 72.16 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:173 Resp: 381803
Ion Ratio Lower Upper
173 100
175 48.5 24.6 74.0
254 10.9 10.3 15.5

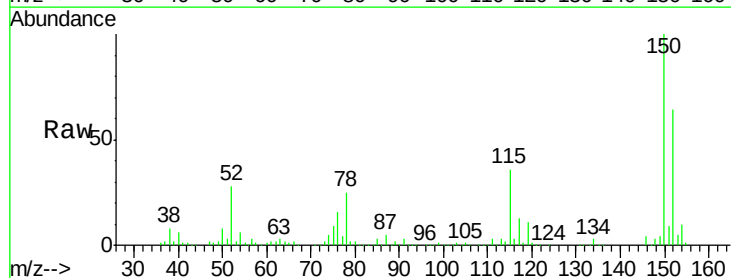


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

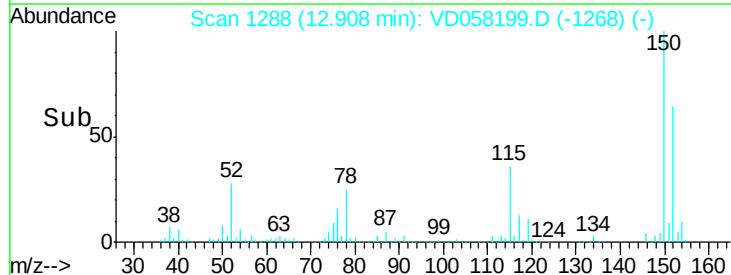
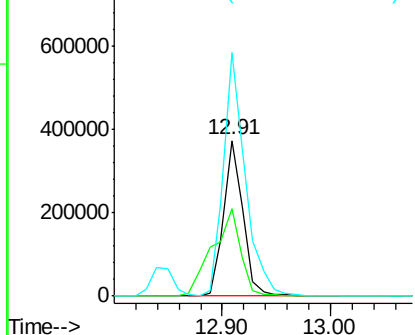


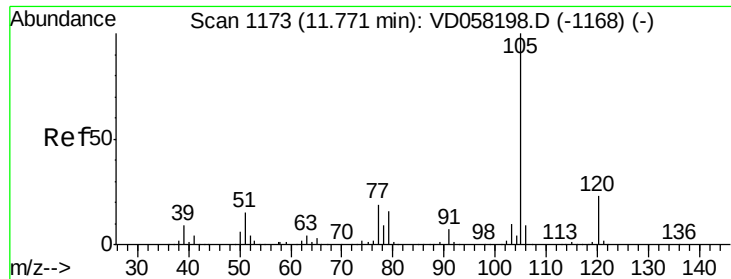
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:152 Resp: 465972
Ion Ratio Lower Upper
152 100
115 56.5 25.1 75.3
150 156.3 0.0 308.8



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: 59.50 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampled :

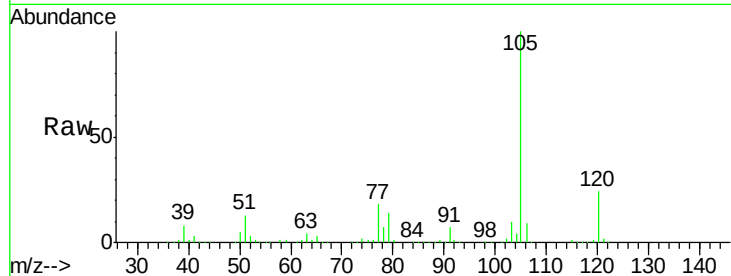
VSTDIC075

Tot Ion: 105 Resp: 1800088

Ion Ratio Lower Upper

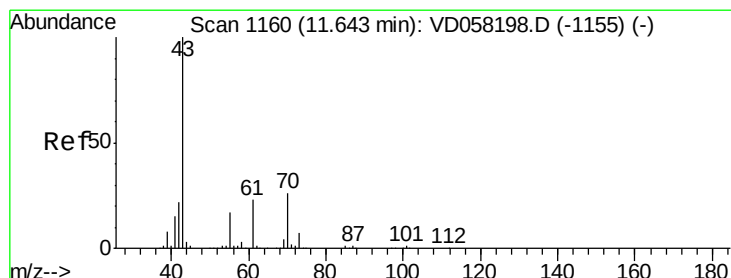
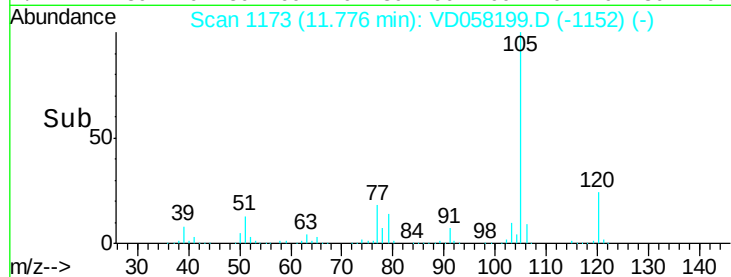
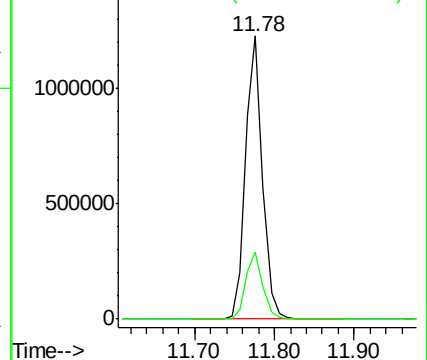
105 100

120 23.9 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 61.58 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Tgt Ion: 43 Resp: 730043

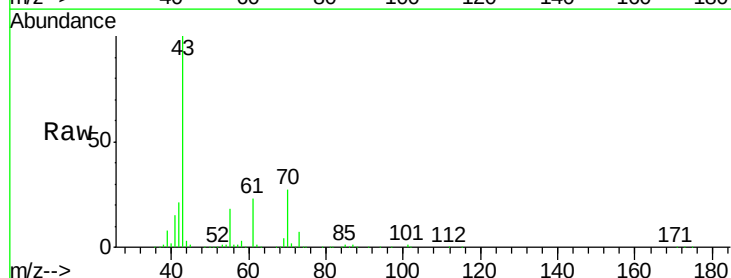
Ion Ratio Lower Upper

43 100

70 26.7 20.9 31.3

55 17.6 13.5 20.3

61 23.0 18.2 27.2

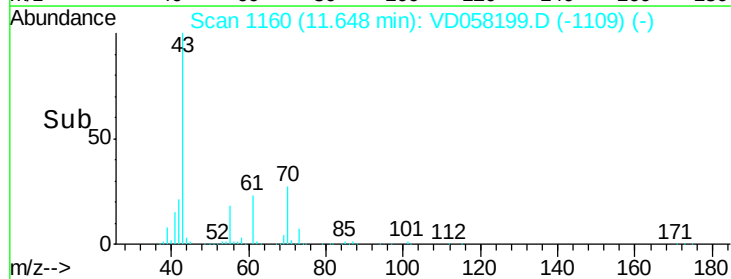
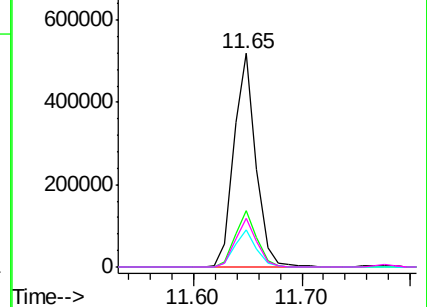


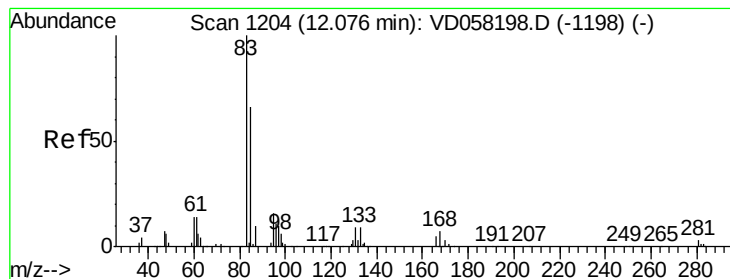
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 62.80 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

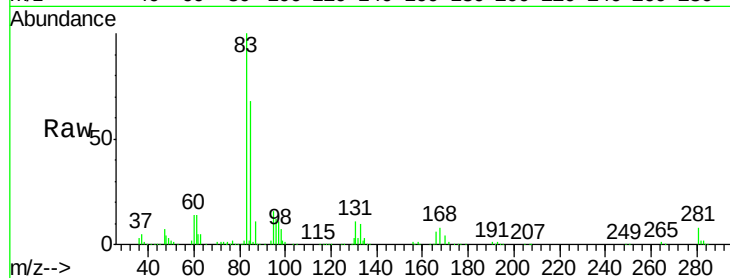
Tot Ion: 83 Resp: 424472

Ion Ratio Lower Upper

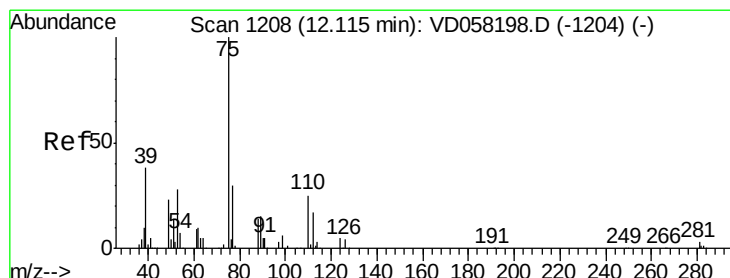
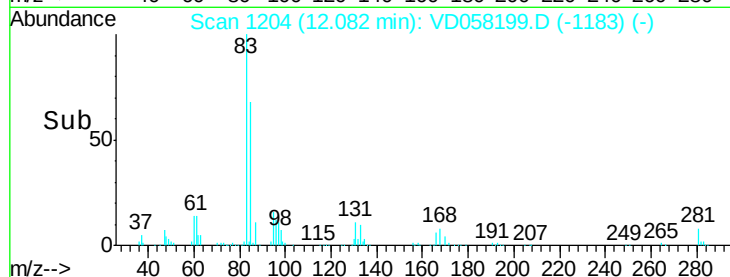
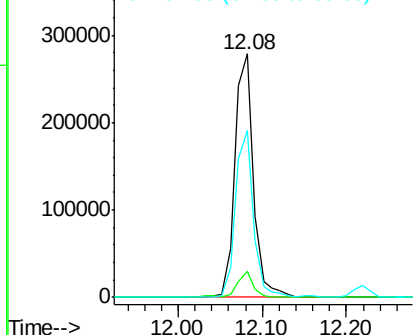
83 100

131 10.7 4.8 14.3

85 68.4 33.1 99.5



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: 60.01 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058199.D

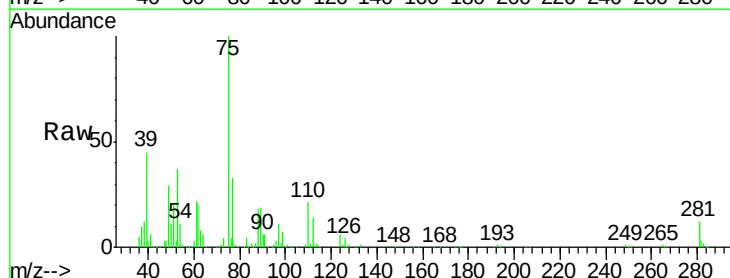
Acq: 19 Jun 2018 17:28

Tgt Ion: 75 Resp: 422128

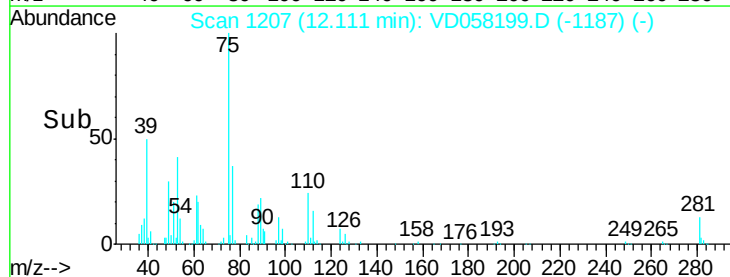
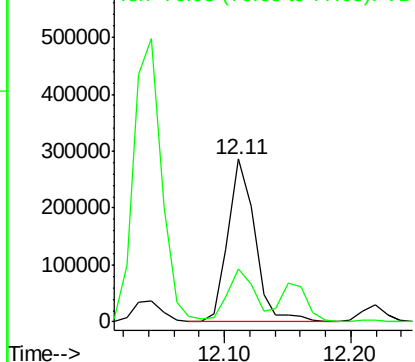
Ion Ratio Lower Upper

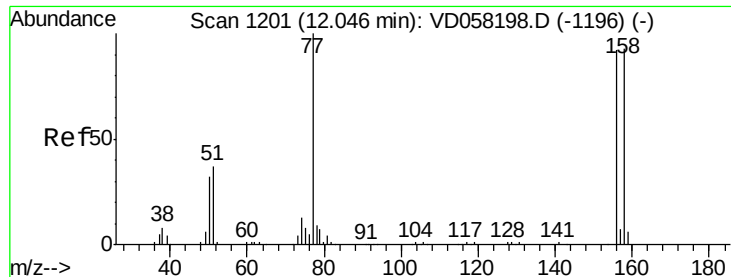
75 100

77 32.9 16.0 47.9



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

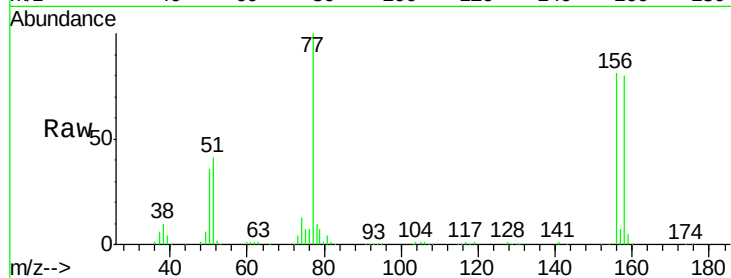




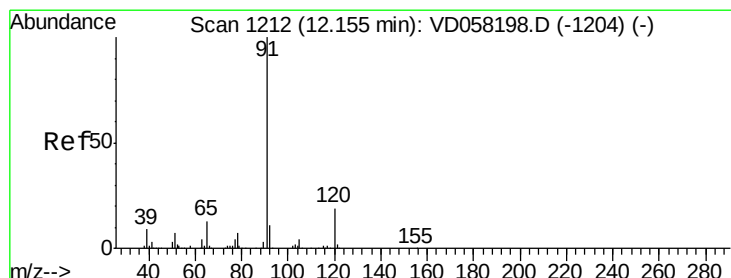
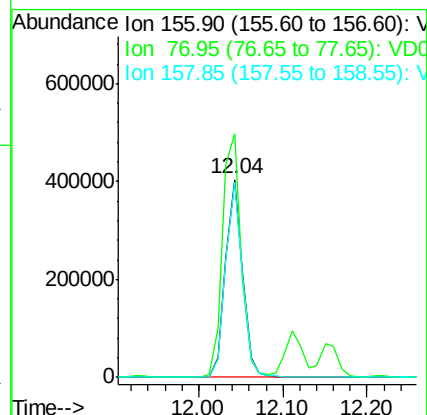
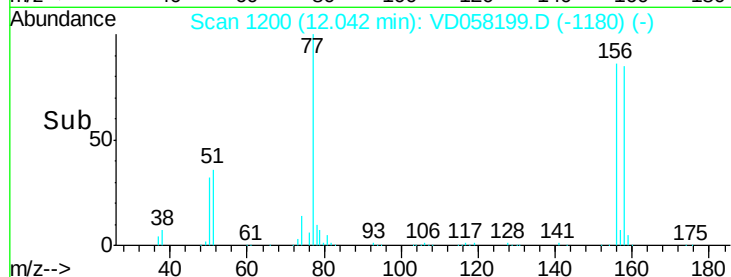
#77
Bromobenzene
Concen: 63.26 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:156 Resp: 568406
Ion Ratio Lower Upper
156 100
77 123.1 54.5 163.6
158 98.7 50.8 152.5

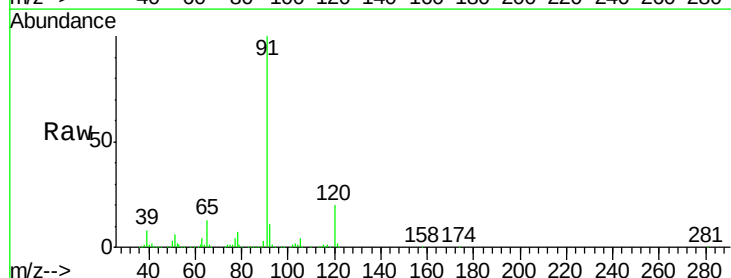


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

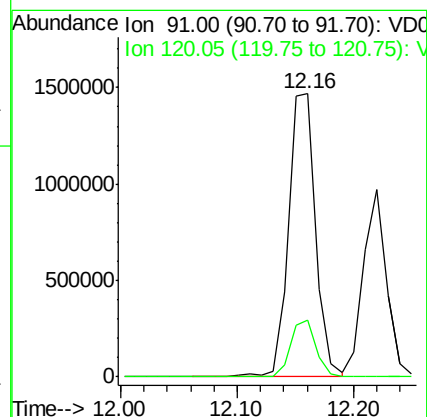
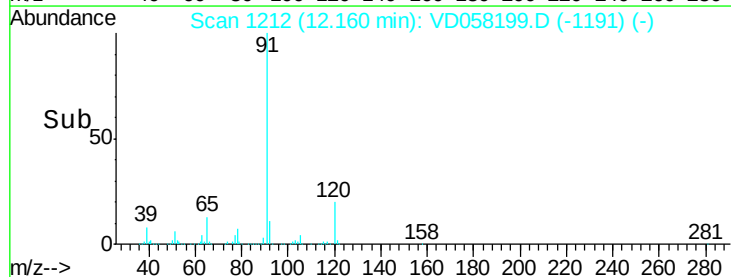


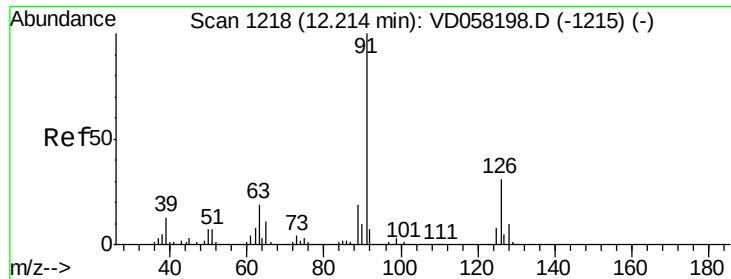
#78
n-propylbenzene
Concen: 59.42 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 91 Resp: 2352015
Ion Ratio Lower Upper
91 100
120 20.2 9.7 29.1



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

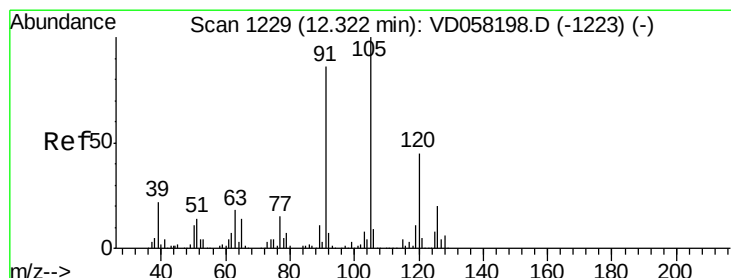
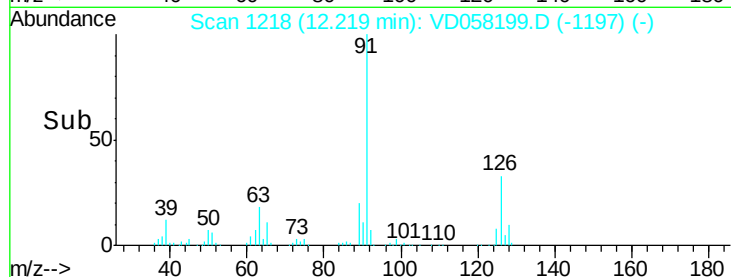
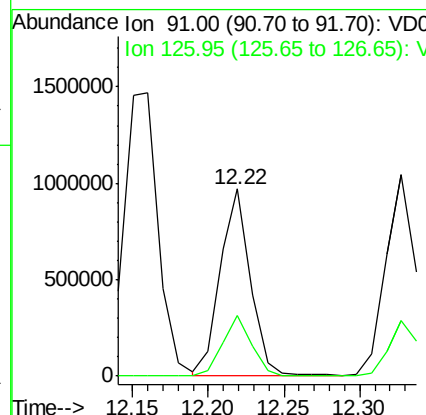
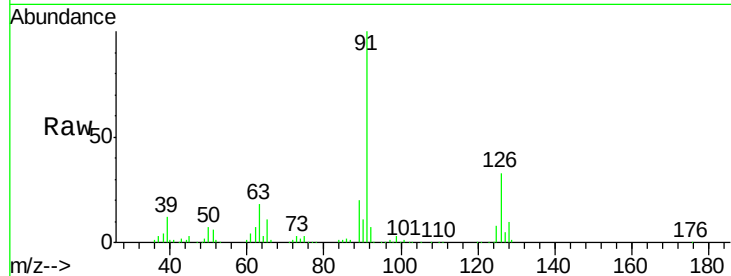




#79
 2-Chlorotoluene
 Concen: 59.20 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

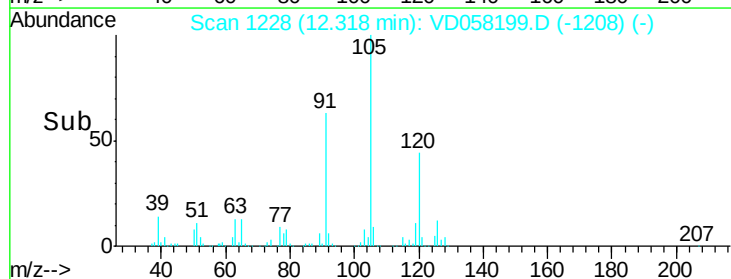
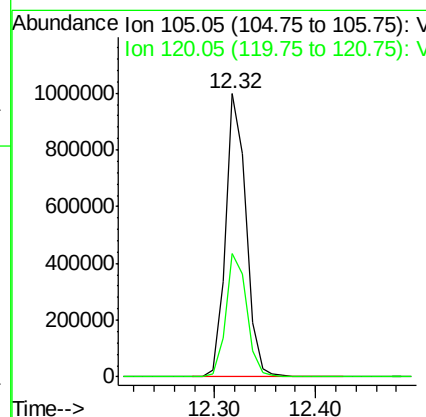
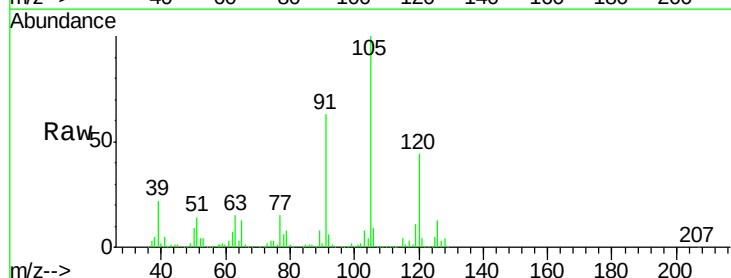
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

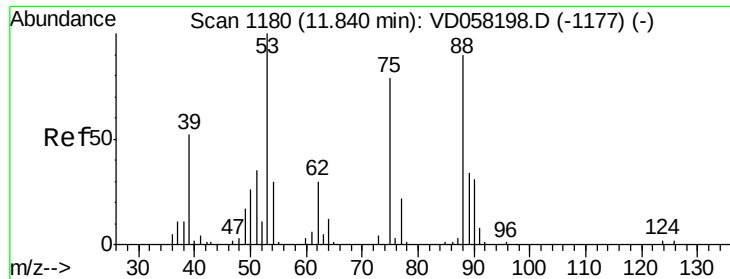
Tot Ion: 91 Resp: 1335049
 Ion Ratio Lower Upper
 91 100
 126 32.7 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 59.32 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 105 Resp: 1412412
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 68.50 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

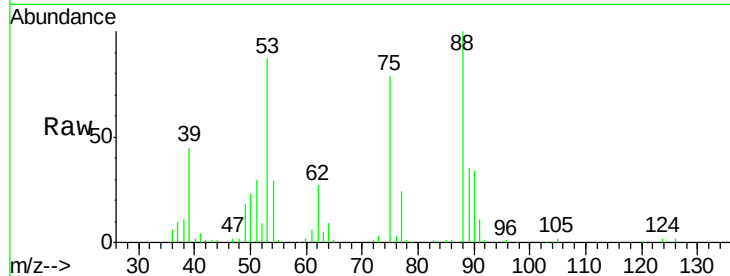
Tot Ion: 75 Resp: 118670

Ion Ratio Lower Upper

75 100

53 110.2 100.8 151.2

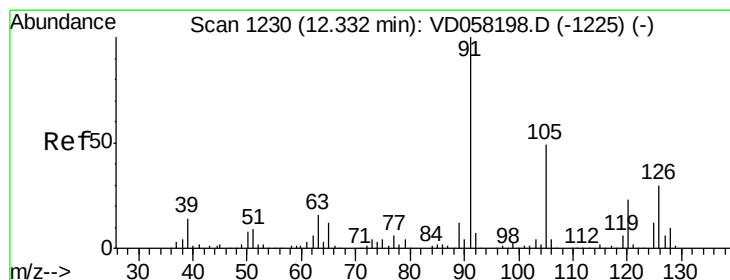
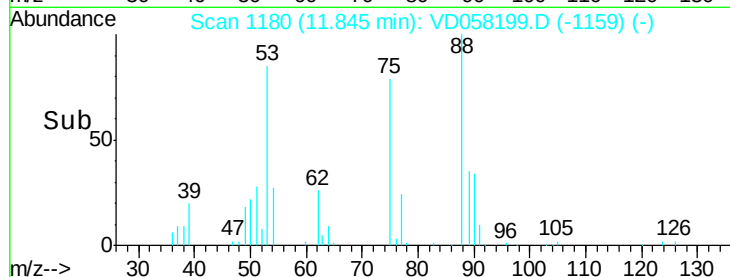
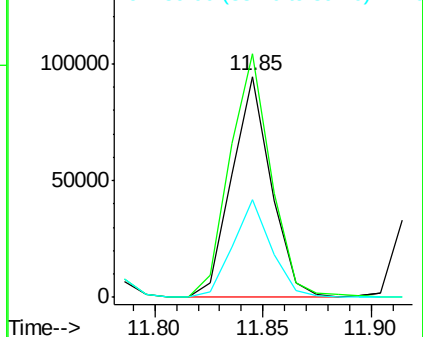
89 44.1 34.6 52.0



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: 58.01 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058199.D

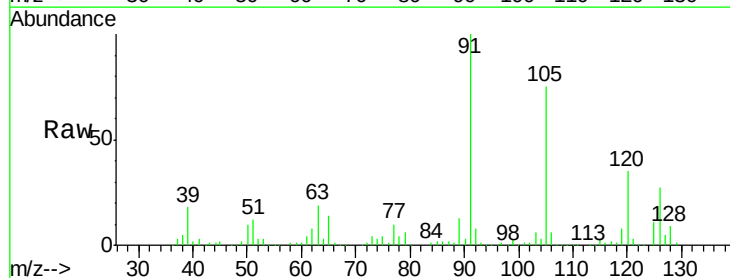
Acq: 19 Jun 2018 17:28

Tgt Ion: 91 Resp: 1443584

Ion Ratio Lower Upper

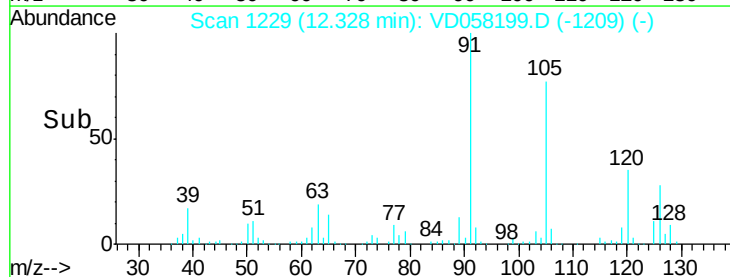
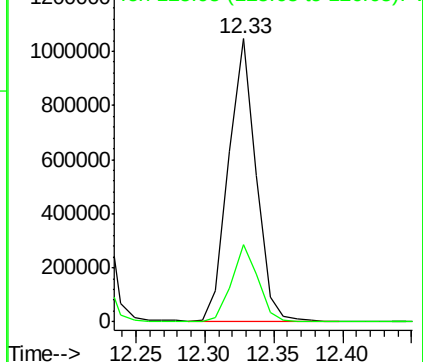
91 100

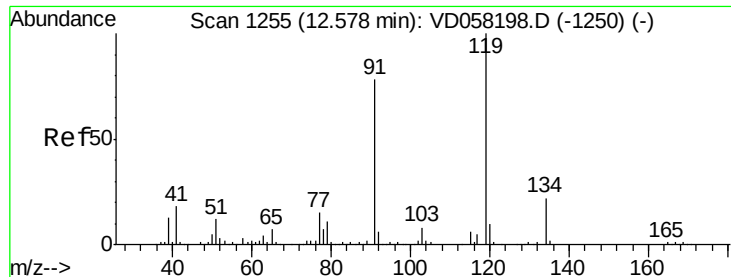
126 27.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

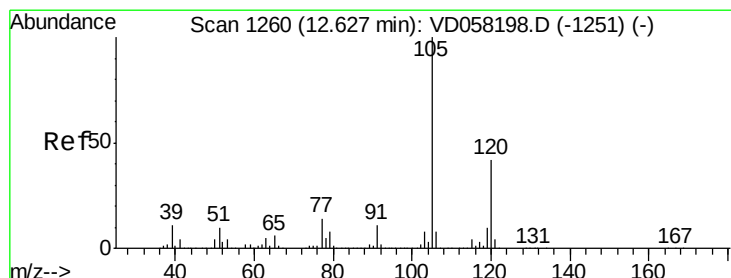
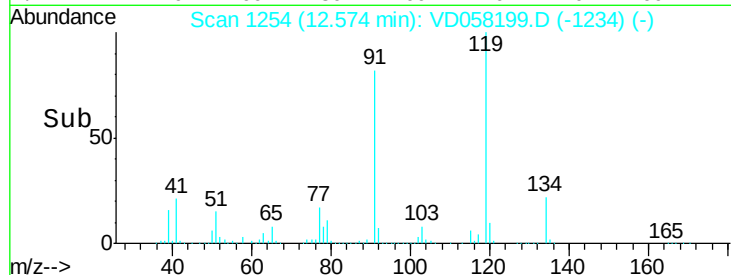
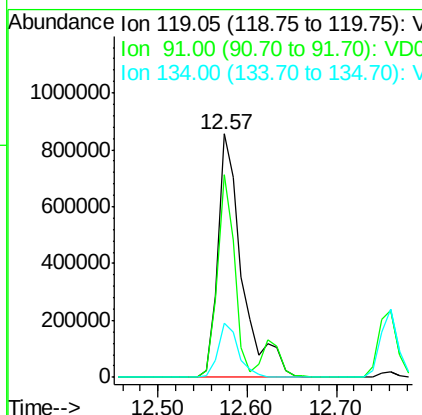
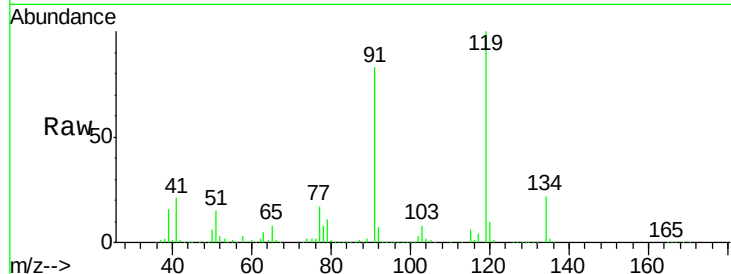




#83
 tert-Butylbenzene
 Concen: 60.94 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

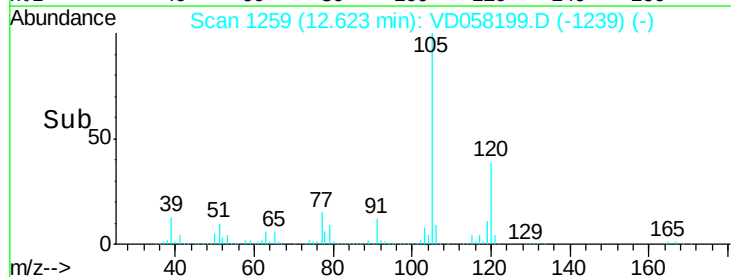
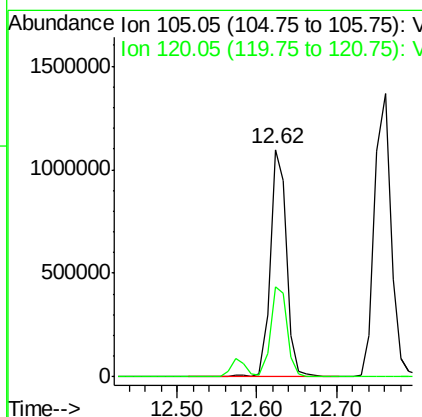
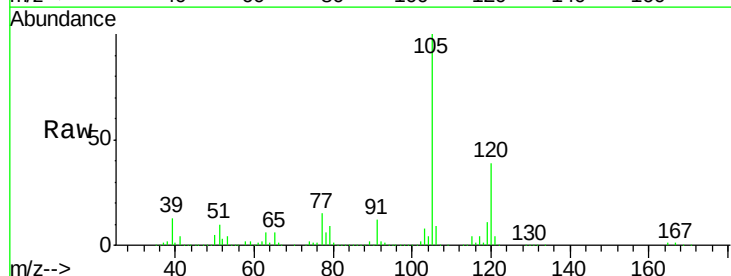
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

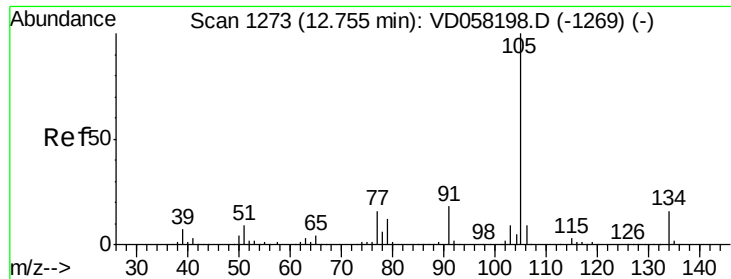
Tot Ion:119 Resp: 1632190
 Ion Ratio Lower Upper
 119 100
 91 83.0 38.9 116.6
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 60.92 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion:105 Resp: 1549574
 Ion Ratio Lower Upper
 105 100
 120 39.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 59.74 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

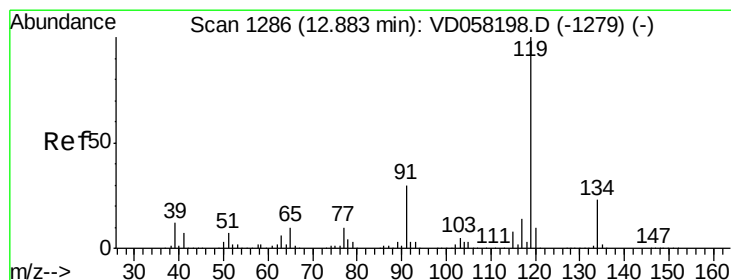
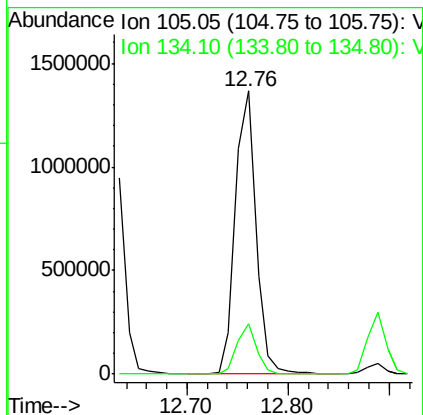
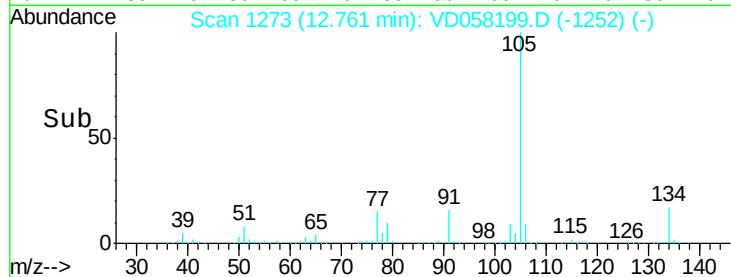
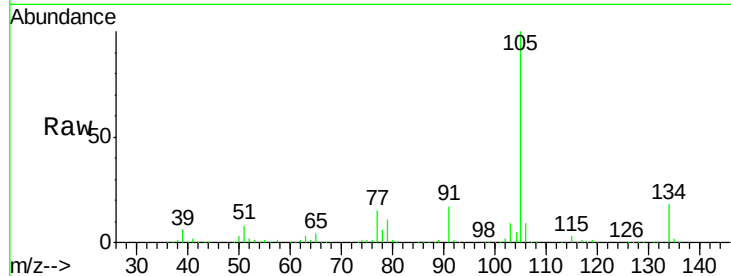
VSTDIC075

Tot Ion:105 Resp: 1933011

Ion Ratio Lower Upper

105 100

134 17.7 8.1 24.3



#86

p-Isopropyltoluene

Concen: 61.25 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD058199.D

Acq: 19 Jun 2018 17:28

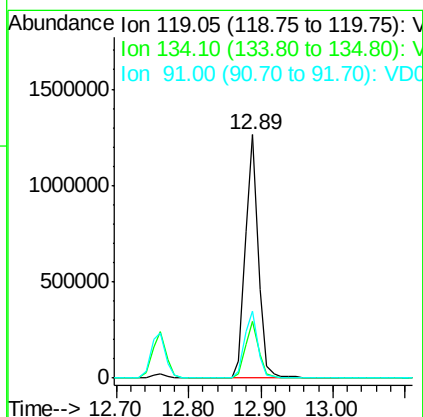
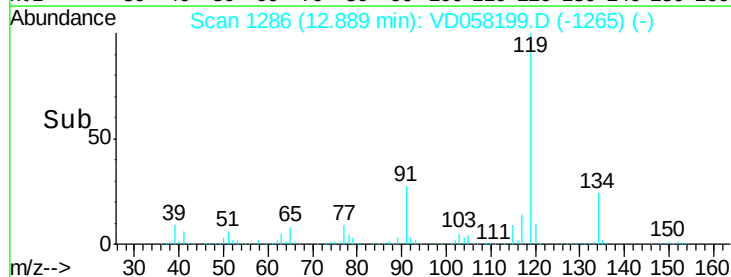
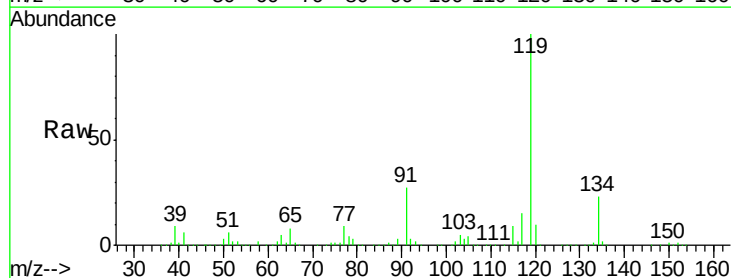
Tgt Ion:119 Resp: 1586669

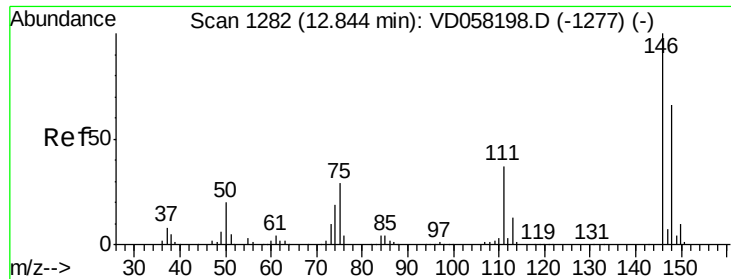
Ion Ratio Lower Upper

119 100

134 23.5 11.6 34.8

91 27.4 15.0 45.1

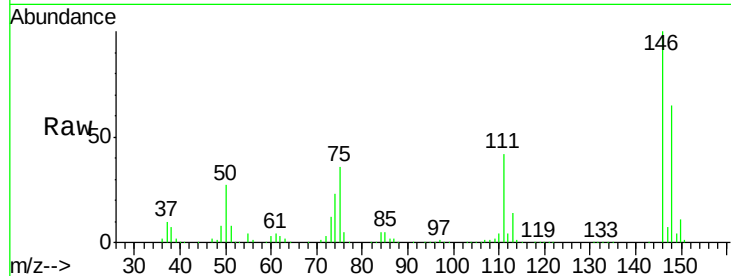




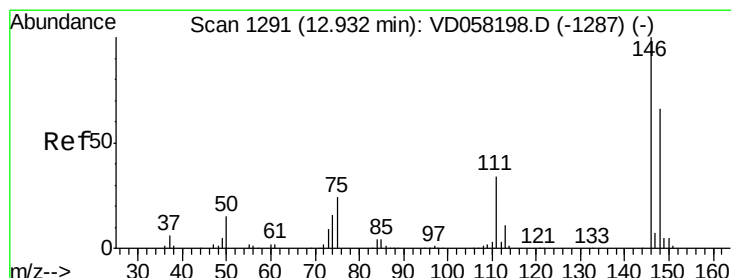
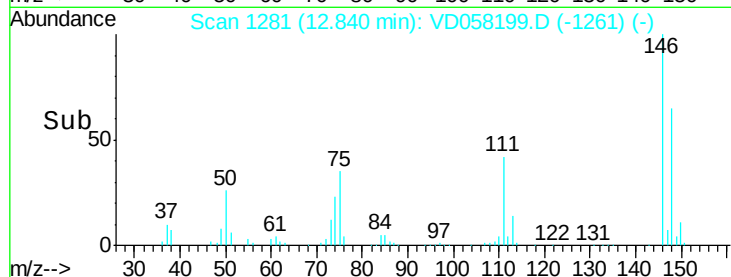
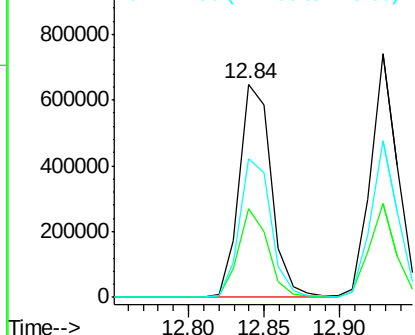
#87
 1,3-Dichlorobenzene
 Concen: 62.53 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 95512
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.4 55.0
 148 64.9 32.8 98.4

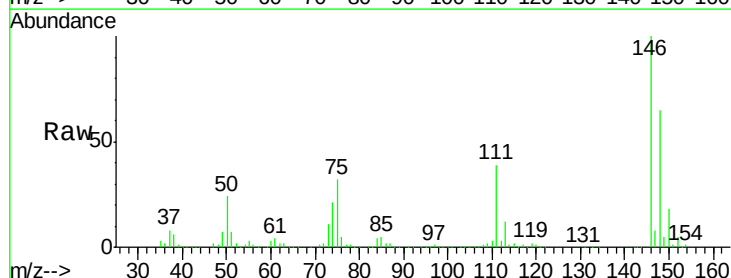


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

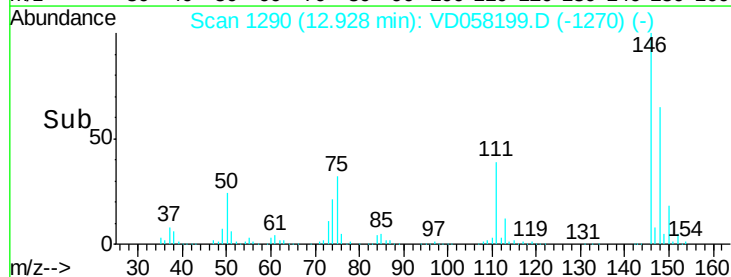
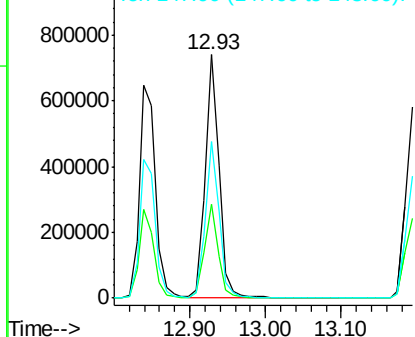


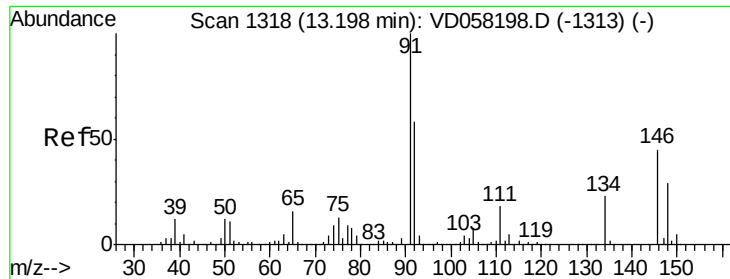
#88
 1,4-Dichlorobenzene
 Concen: 62.74 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion:146 Resp: 939224
 Ion Ratio Lower Upper
 146 100
 111 38.6 17.2 51.5
 148 64.5 33.1 99.3



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

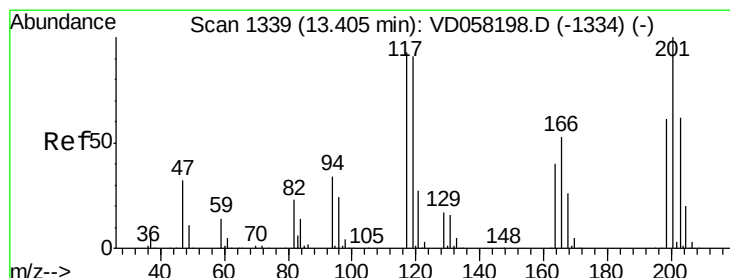
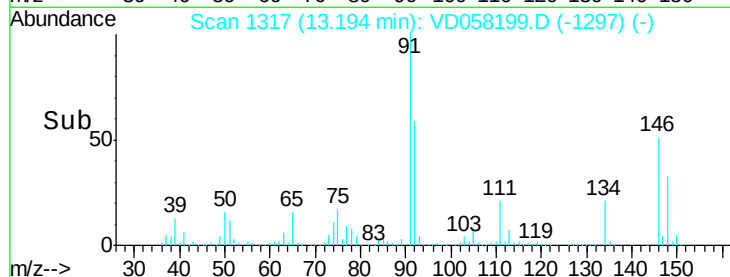
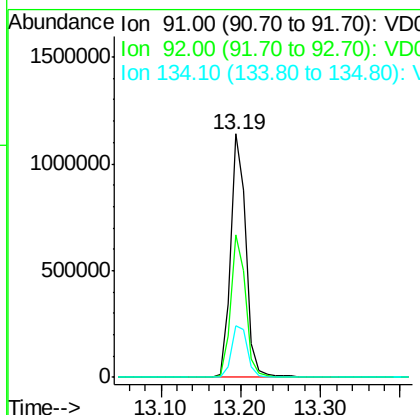
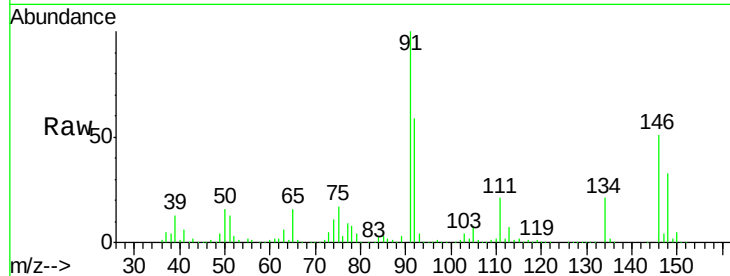




#89
n-Butylbenzene
Concen: 57.31 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

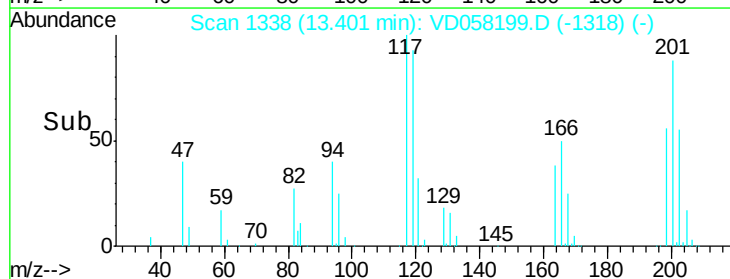
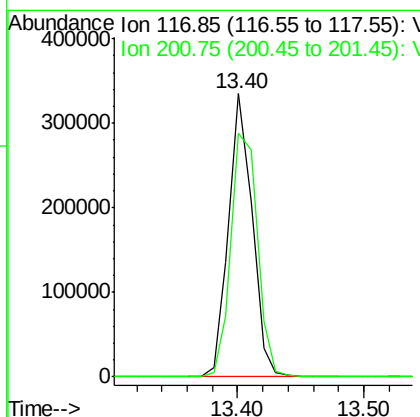
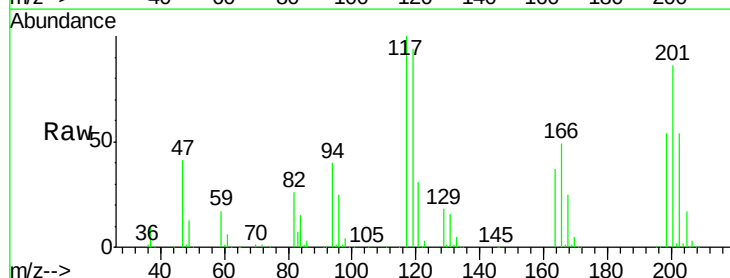
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

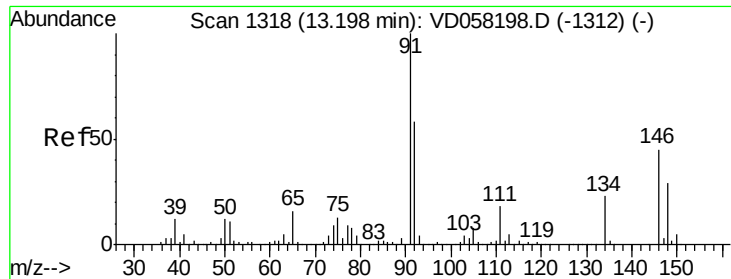
Tot Ion: 91 Resp: 1545097
Ion Ratio Lower Upper
91 100
92 58.6 29.2 87.6
134 21.2 11.3 33.8



#90
Hexachloroethane
Concen: 65.01 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion: 117 Resp: 432385
Ion Ratio Lower Upper
117 100
201 85.9 53.8 161.4

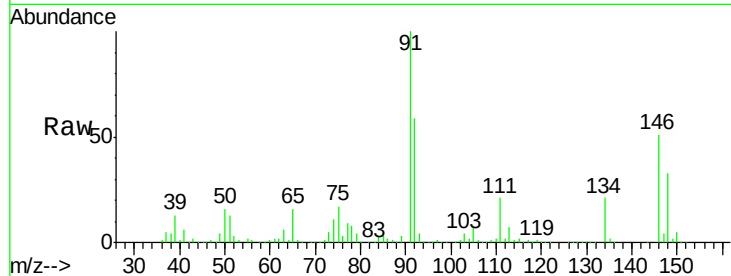




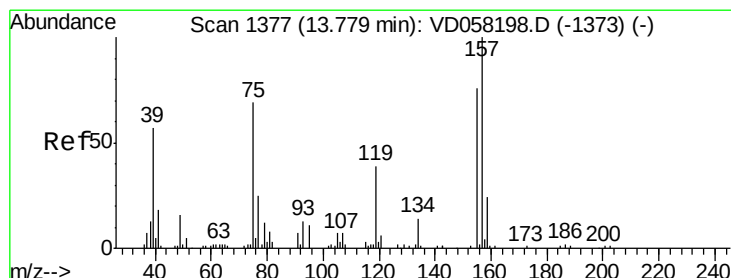
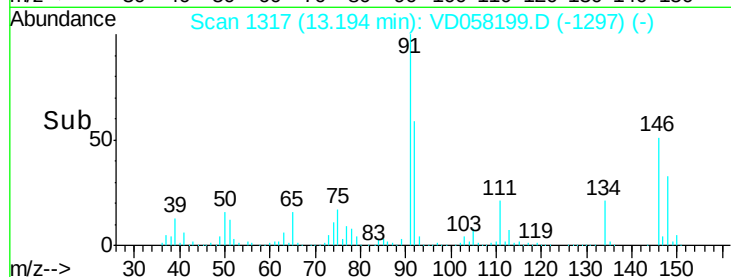
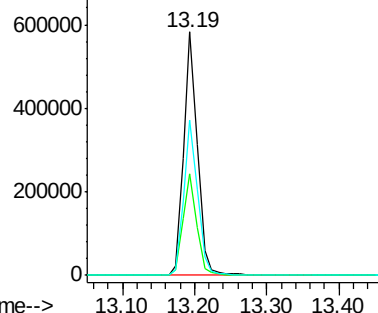
#91
 1,2-Dichlorobenzene
 Concen: 61.05 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 766860
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.6 58.7
 148 63.9 32.0 96.2

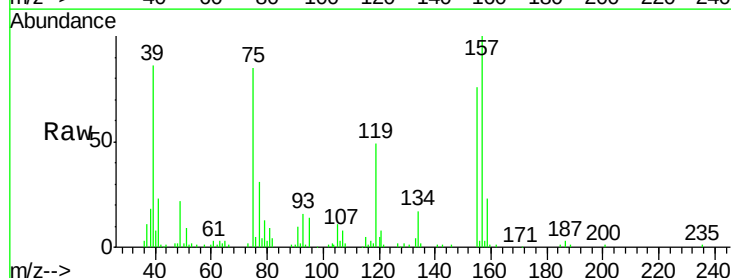


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

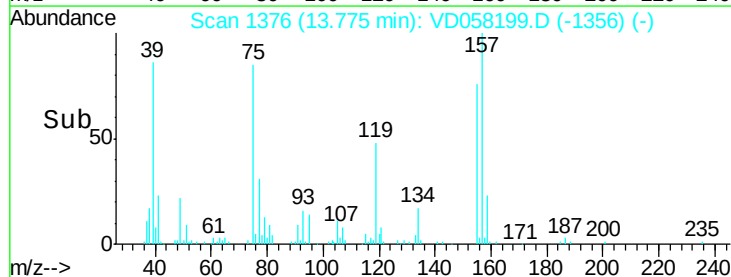
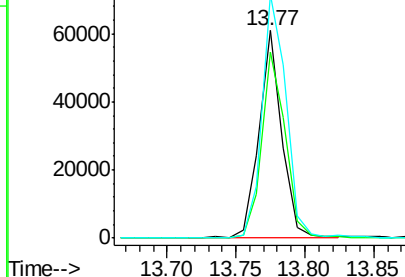


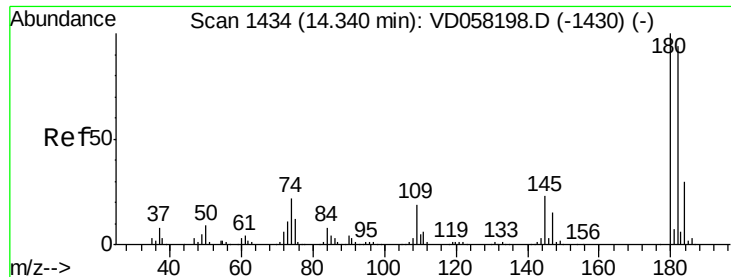
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.40 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion: 75 Resp: 70446
 Ion Ratio Lower Upper
 75 100
 155 89.5 54.5 163.5
 157 117.4 72.0 215.9



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

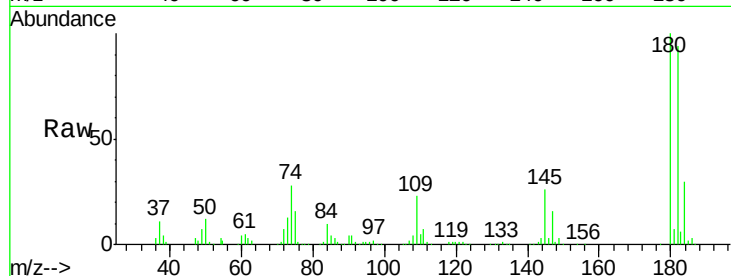




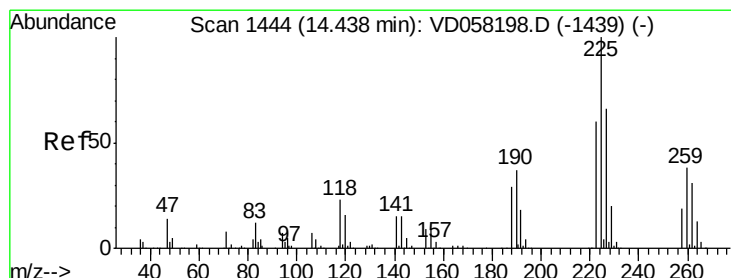
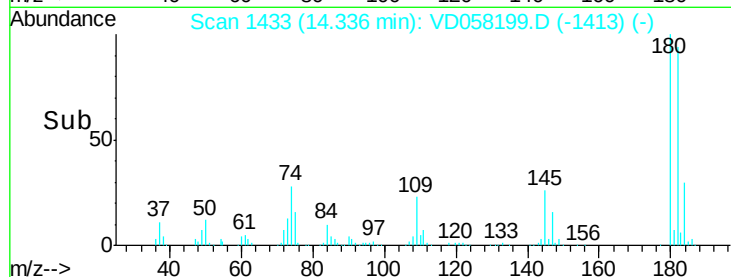
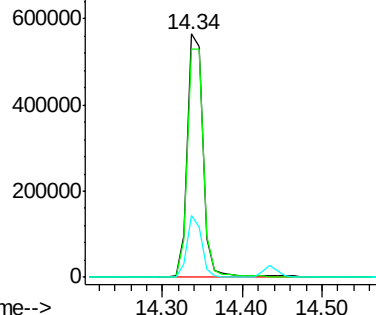
#93
 1,2,4-Trichlorobenzene
 Concen: 68.14 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 797891
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.1 141.3
 145 25.5 11.7 35.0

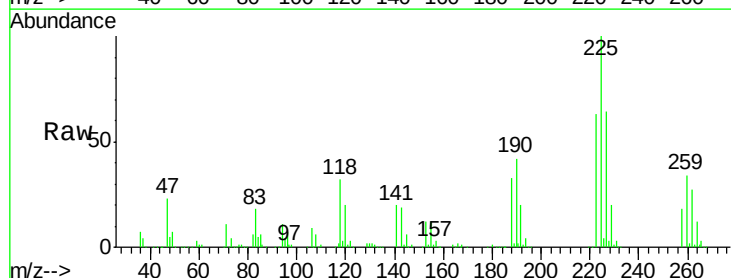


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

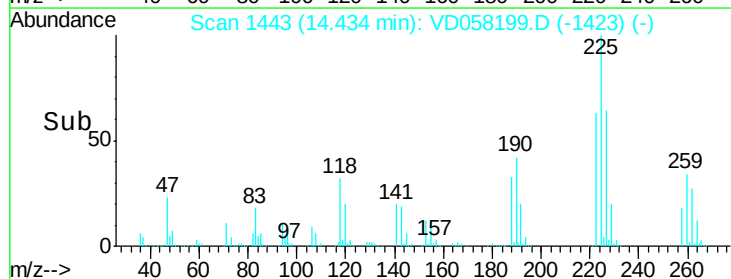
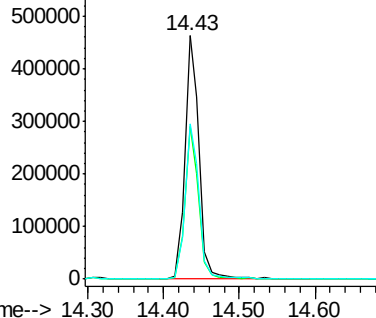


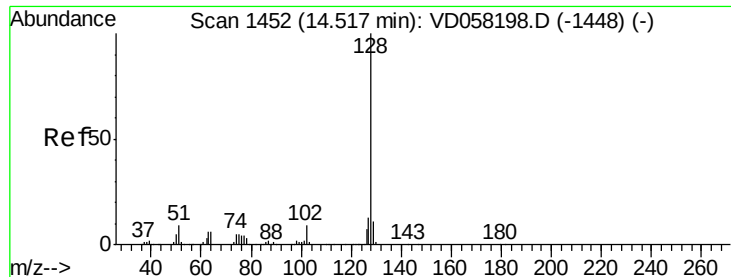
#94
 Hexachlorobutadiene
 Concen: 67.47 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058199.D
 Acq: 19 Jun 2018 17:28

Tgt Ion:225 Resp: 616011
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.1 90.3
 227 63.9 33.0 98.9



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

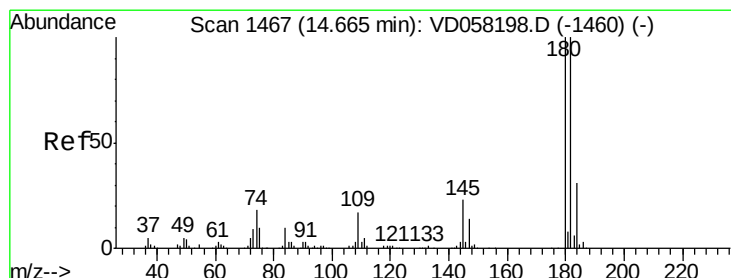
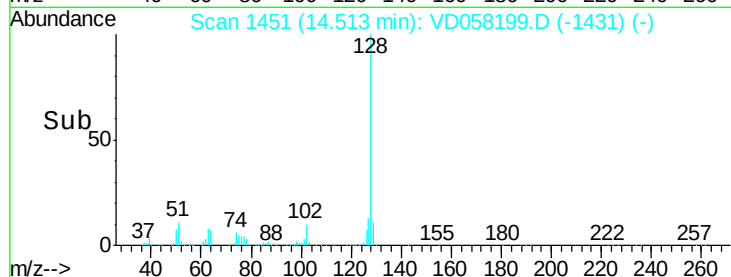
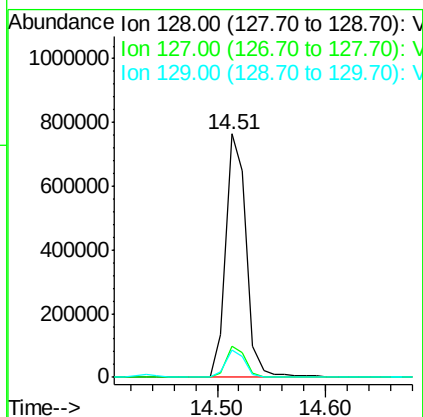
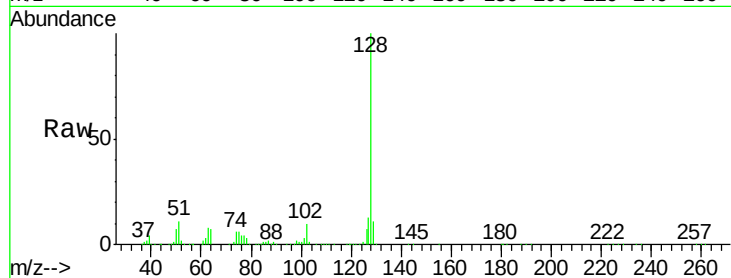




#95
Naphthalene
Concen: 65.46 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1005933
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 69.08 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD058199.D
Acq: 19 Jun 2018 17:28

Tgt Ion:180 Resp: 692962
Ion Ratio Lower Upper
180 100
182 96.5 49.9 149.6
145 25.7 11.7 35.1

