

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058363.D
 Acq On : 24 Jun 2018 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 03:59:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	1029261	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1317902	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1038141	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	511290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	513003	49.35	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	5.57	113	552156	51.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.72	98	1333990	51.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.94	95	533357	50.31	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	502386	52.406	ug/l	98
3) Chloromethane	1.49	50	253210	56.983	ug/l	98
4) Vinyl Chloride	1.57	62	283666	52.610	ug/l	99
5) Bromomethane	1.81	94	110217	64.254	ug/l	93
6) Chloroethane	1.90	64	129567	69.732	ug/l	99
7) Trichlorofluoromethane	2.10	101	417038	56.411	ug/l	96
8) Diethyl Ether	2.36	74	81054	51.835	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.58	101	248680	52.913	ug/l	99
10) Methyl Iodide	2.71	142	302102	56.510	ug/l	95
11) Tert butyl alcohol	3.27	59	89384	260.679	ug/l #	87
12) 1,1-Dichloroethene	2.56	96	187793	53.107	ug/l	97
13) Acrolein	2.49	56	22312	113.987	ug/l	84
14) Allyl chloride	2.94	41	435369	52.899	ug/l	97
15) Acrylonitrile	3.37	53	367718	404.449	ug/l	97
16) Acetone	2.63	43	412407	290.065	ug/l	93
17) Carbon Disulfide	2.77	76	587857	48.863	ug/l	99
18) Methyl Acetate	2.95	43	130002	42.874	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	874774	93.270	ug/l	98
20) Methylene Chloride	3.09	84	199409	54.117	ug/l	99
21) trans-1,2-Dichloroethene	3.40	96	423562	109.600	ug/l	89
22) Diisopropyl ether	4.09	45	1548275	47.366	ug/l	95
23) Vinyl Acetate	4.04	43	4058073	231.593	ug/l	99
24) 1,1-Dichloroethane	3.99	63	884972	50.254	ug/l	98
25) 2-Butanone	4.85	43	688960	222.331	ug/l	99
26) 2,2-Dichloropropane	4.82	77	777601	52.735	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	488292	50.562	ug/l	97
28) Bromochloromethane	5.17	49	388960	49.272	ug/l #	93
29) Tetrahydrofuran	5.20	42	328987	199.456	ug/l	98
30) Chloroform	5.34	83	950630	51.133	ug/l	94
31) Cyclohexane	5.61	56	667273	52.445	ug/l	97
32) 1,1,1-Trichloroethane	5.53	97	828218	53.918	ug/l	98
36) 1,1-Dichloropropene	5.77	75	653070	50.092	ug/l	96
37) Ethyl Acetate	4.94	43	327151	44.041	ug/l	96
38) Carbon Tetrachloride	5.75	117	701682	54.166	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	638601	50.289	ug/l	98
40) Benzene	6.03	78	1472645	47.418	ug/l	99
41) Methacrylonitrile	5.15	41	155304	43.297	ug/l	98
42) 1,2-Dichloroethane	6.14	62	612543	48.915	ug/l	100
43) Isopropyl Acetate	7.63	43	434110	43.834	ug/l	99
44) Trichloroethene	7.00	130	509049	54.586	ug/l	95
45) 1,2-Dichloropropane	7.36	63	424304	50.730	ug/l	97
46) Dibromomethane	7.48	93	285631	50.025	ug/l	96
47) Bromodichloromethane	7.75	83	674947	51.838	ug/l	96
48) Methyl methacrylate	7.52	41	264691	43.976	ug/l	94
49) 1,4-Dioxane	7.50	88	49945	919.252	ug/l	96
51) 4-Methyl-2-Pentanone	8.61	43	1449396	224.375	ug/l	99
52) Toluene	8.82	92	894419	50.578	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	570532	50.400	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	676256	50.956	ug/l	98
55) 1,1,2-Trichloroethane	9.47	97	294255	47.031	ug/l	97
56) Ethyl methacrylate	9.32	69	350734	46.874	ug/l	98
57) 1,3-Dichloropropane	9.67	76	495197	46.987	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	855458	230.939	ug/l	97
59) 2-Hexanone	9.80	43	1116070	239.107	ug/l	96
60) Dibromochloromethane	9.97	129	447083	52.654	ug/l	98
61) 1,2-Dibromoethane	10.11	107	327685	47.852	ug/l	98
64) Tetrachloroethene	9.53	164	450087	51.526	ug/l	97
65) Chlorobenzene	10.74	112	996454	51.314	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	384770	51.344	ug/l	99
67) Ethyl Benzene	10.87	91	1727627	50.393	ug/l	99
68) m/p-Xylenes	11.02	106	1178521	103.084	ug/l	97
69) o-Xylene	11.42	106	585614	53.631	ug/l	98
70) Styrene	11.44	104	983920	52.805	ug/l	98
71) Bromoform	11.60	173	311538	52.113	ug/l	98
73) Isopropylbenzene	11.78	105	1592172	52.061	ug/l	99
74) N-amyl acetate	11.65	43	539446	45.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	344776	48.444	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	359832	48.203	ug/l	99
77) Bromobenzene	12.05	156	483323	52.777	ug/l	88
78) n-propylbenzene	12.16	91	2115175	53.557	ug/l	98
79) 2-Chlorotoluene	12.22	91	1246123	55.138	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1290364	54.095	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	91482	50.247	ug/l	91
82) 4-Chlorotoluene	12.33	91	1322721	61.282	ug/l	95
83) tert-Butylbenzene	12.58	119	1520643	55.449	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1393958	53.760	ug/l	99
85) sec-Butylbenzene	12.77	105	1709129	53.169	ug/l	97
86) p-Isopropyltoluene	12.89	119	1455183	55.862	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	823454	51.733	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	797051	51.278	ug/l	97
89) n-Butylbenzene	13.20	91	1334708	48.752	ug/l	99
90) Hexachloroethane	13.41	117	378307	55.952	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	636779	47.010	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	58434	51.590	ug/l	80

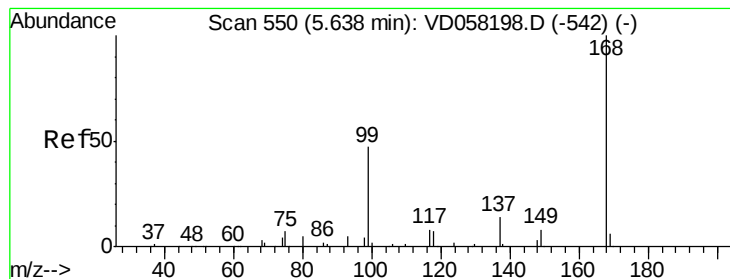
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	669792	51.700	ug/l	98
94) Hexachlorobutadiene	14.44	225	536420	52.938	ug/l	97
95) Naphthalene	14.52	128	850582	49.843	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	564336	49.758	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

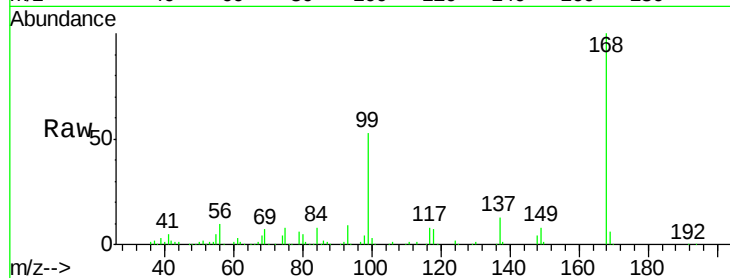
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1029261

Ion Ratio Lower Upper

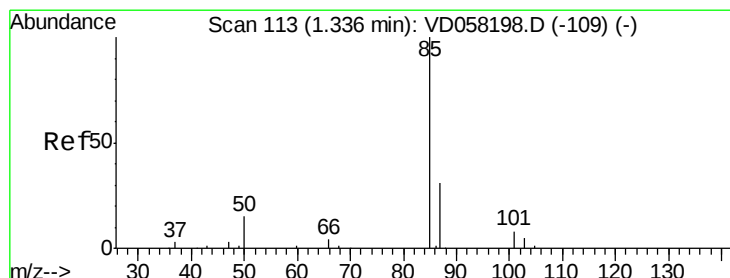
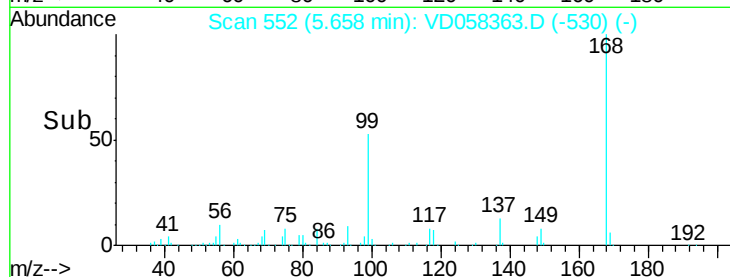
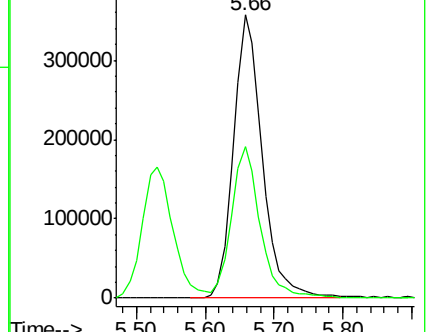
168 100

99 53.3 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: 52.406 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058363.D

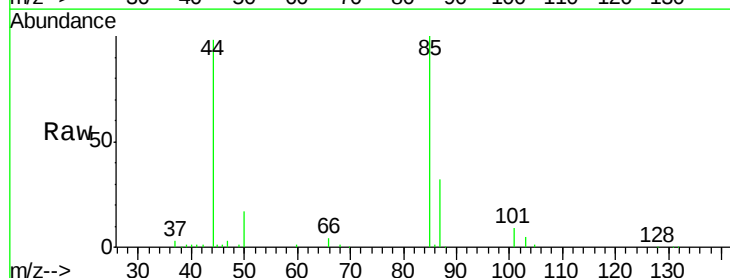
Acq: 24 Jun 2018 10:54

Tgt Ion: 85 Resp: 502386

Ion Ratio Lower Upper

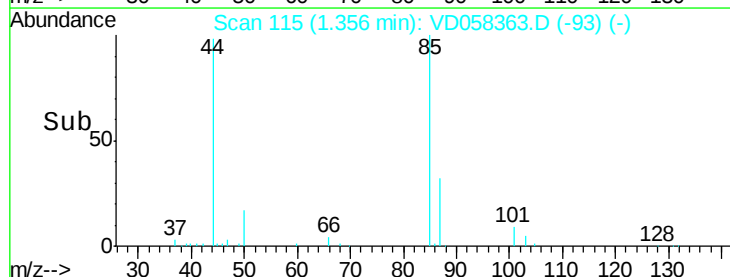
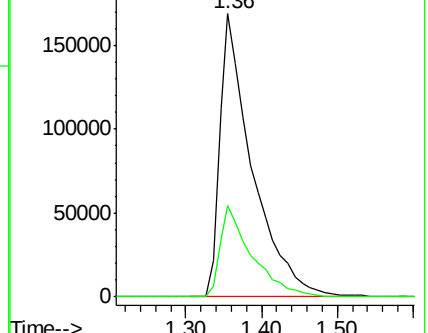
85 100

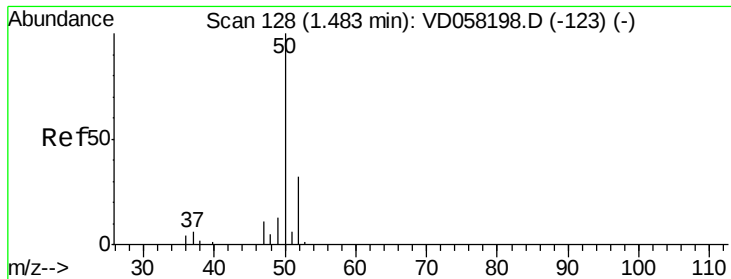
87 32.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.983 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

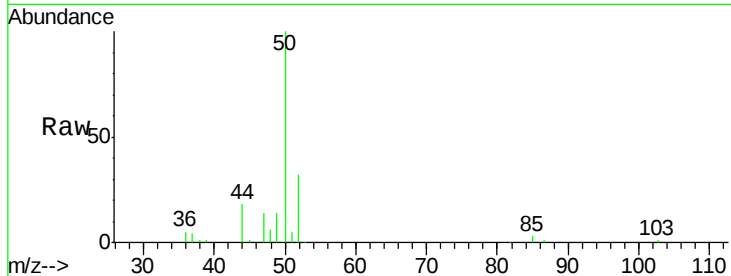
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 253210

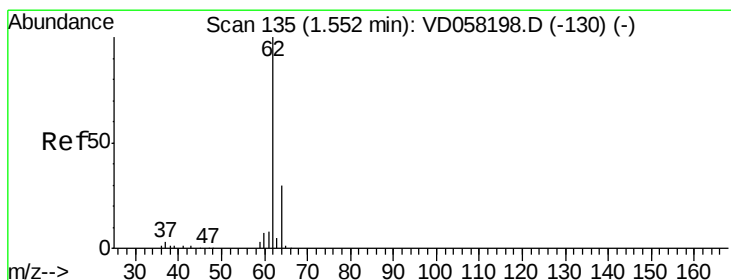
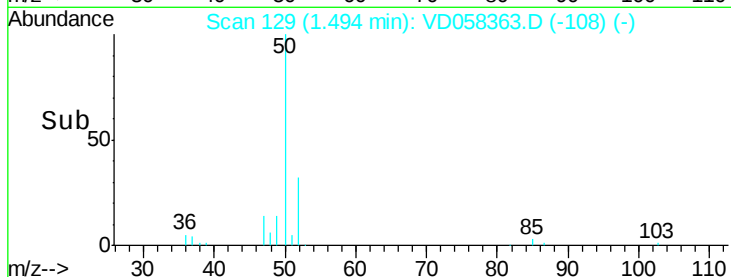
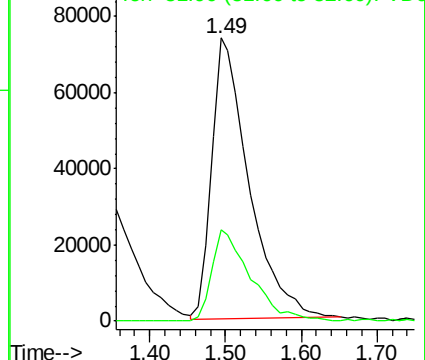
Ion Ratio Lower Upper

50 100

52 32.2 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: 52.610 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058363.D

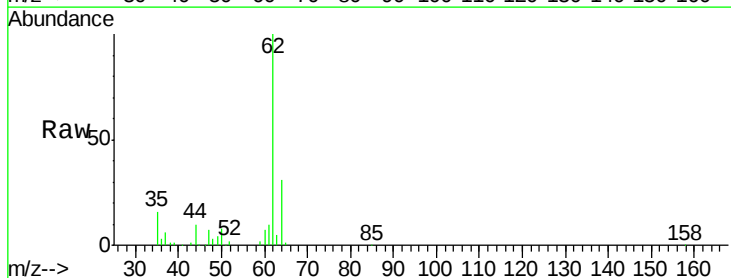
Acq: 24 Jun 2018 10:54

Tgt Ion: 62 Resp: 283666

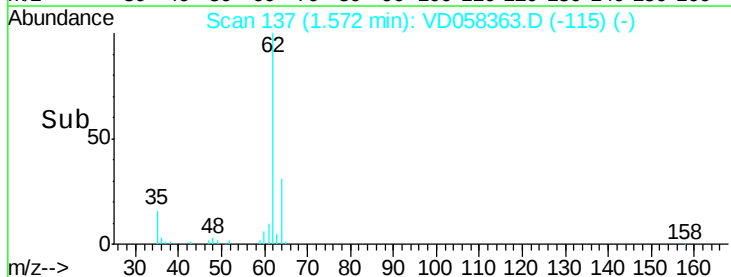
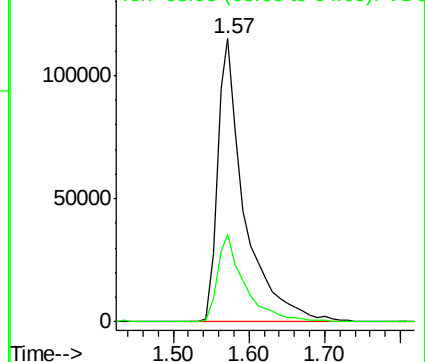
Ion Ratio Lower Upper

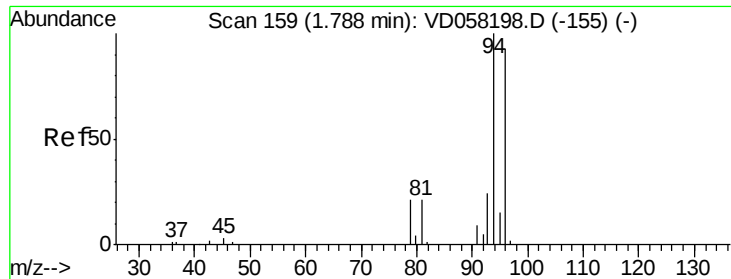
62 100

64 31.0 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: 64.254 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

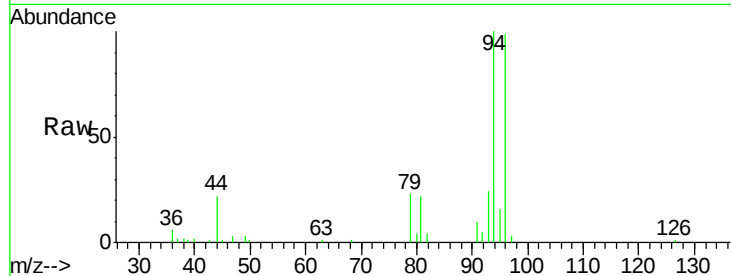
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 110217

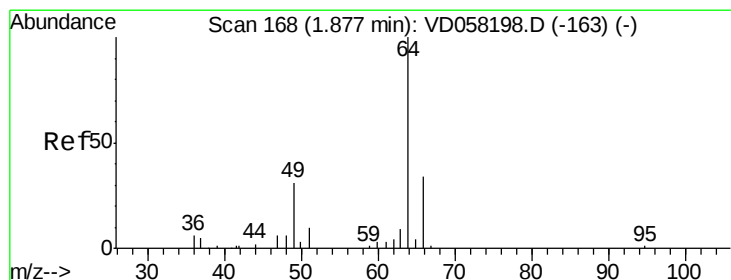
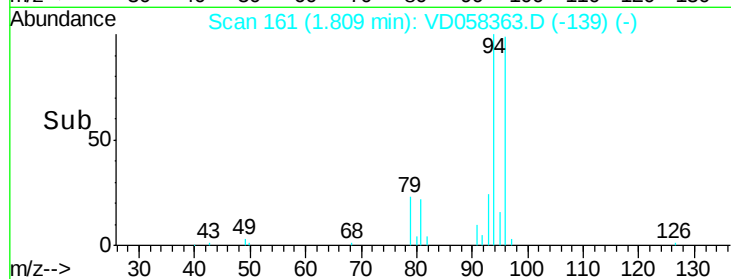
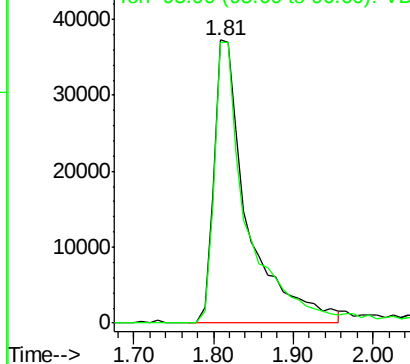
Ion Ratio Lower Upper

94 100

96 99.0 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: 69.732 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058363.D

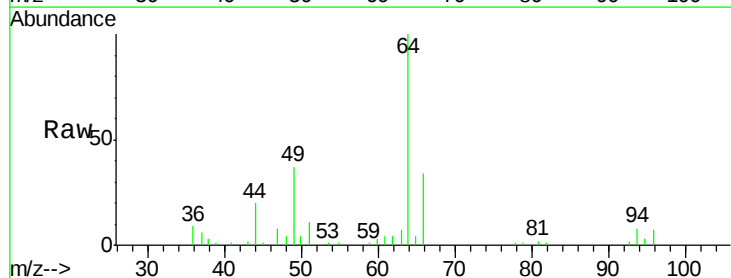
Acq: 24 Jun 2018 10:54

Tgt Ion: 64 Resp: 129567

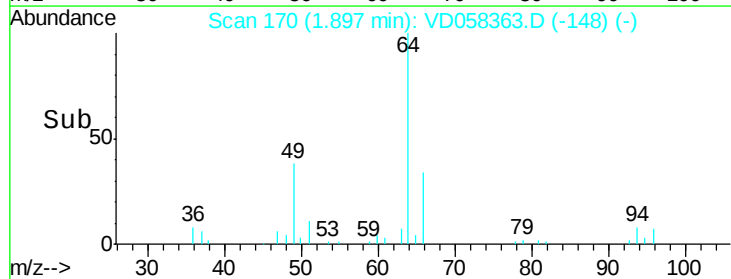
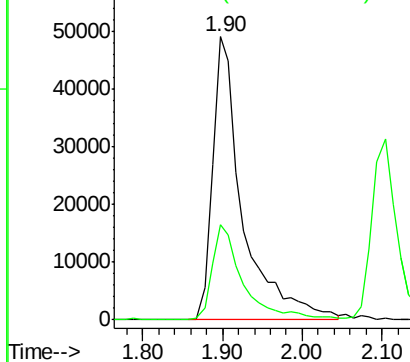
Ion Ratio Lower Upper

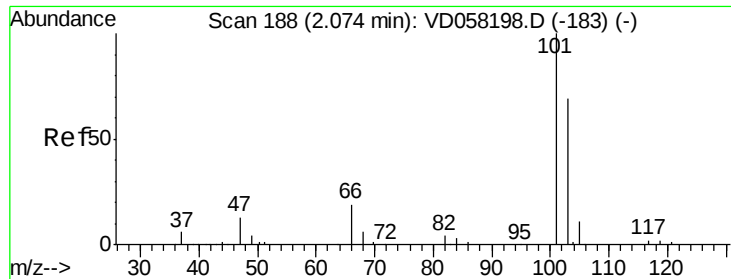
64 100

66 33.8 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



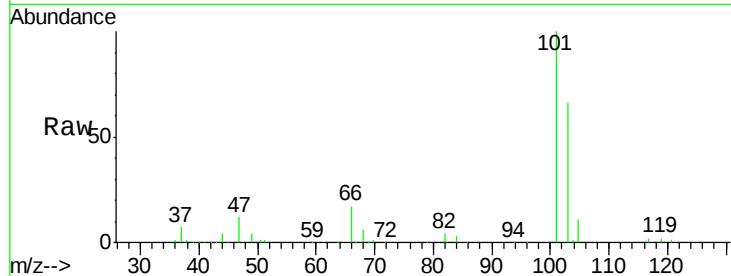


#7

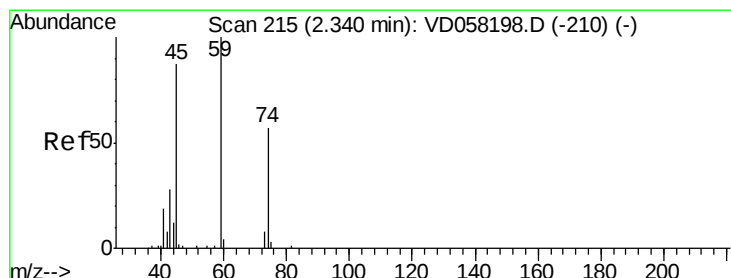
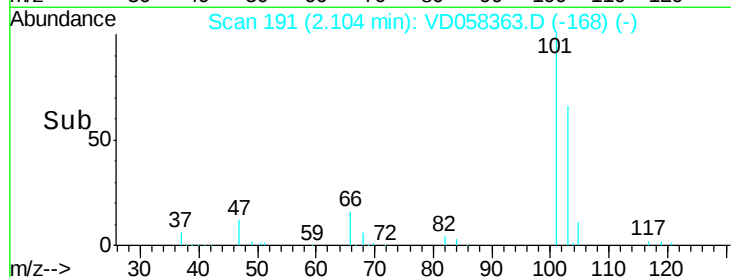
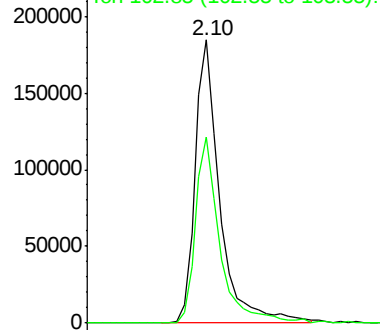
Trichlorofluoromethane
Concen: 56.411 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.03 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 417038
Ion Ratio Lower Upper
101 100
103 65.8 55.1 82.7



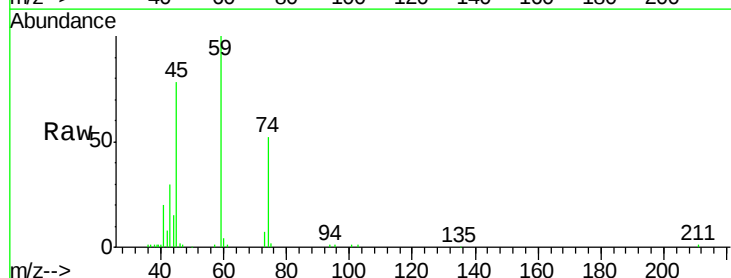
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



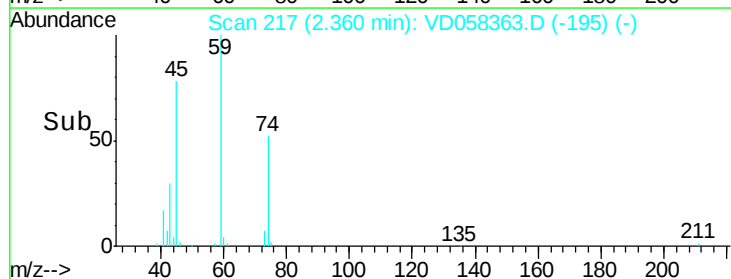
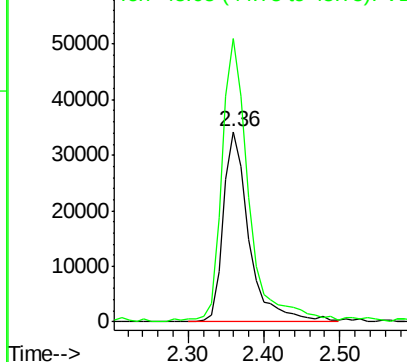
#8

Diethyl Ether
Concen: 51.835 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 74 Resp: 81054
Ion Ratio Lower Upper
74 100
45 148.8 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: 52.913 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.03 min

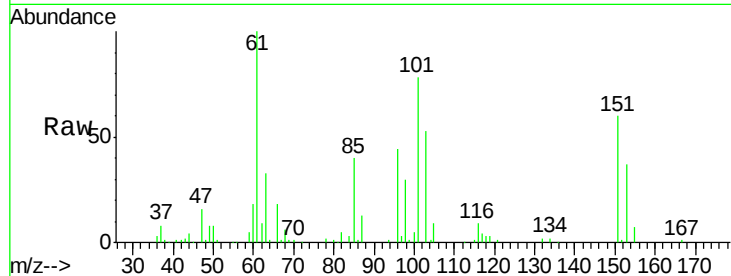
Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 248680

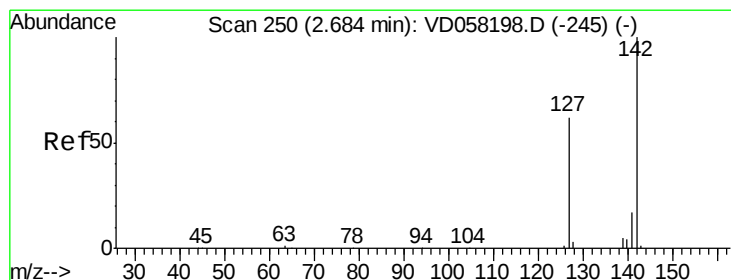
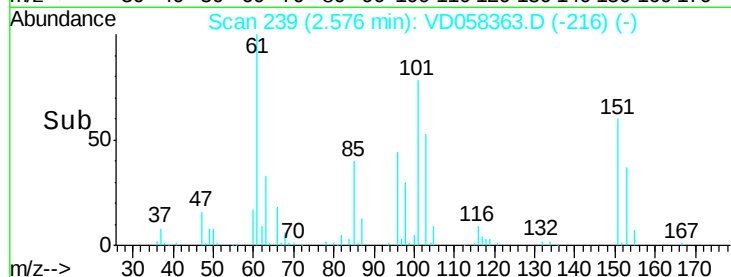
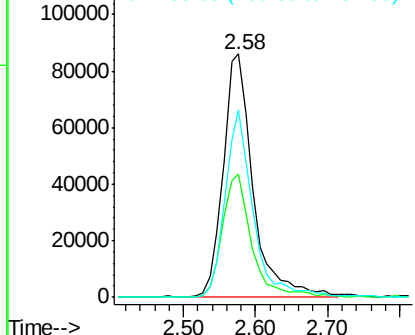
Ion	Ratio	Lower	Upper
101	100		
85	50.5	39.0	58.4
151	76.7	61.8	92.8



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: 56.510 ug/l

RT: 2.71 min Scan# 253

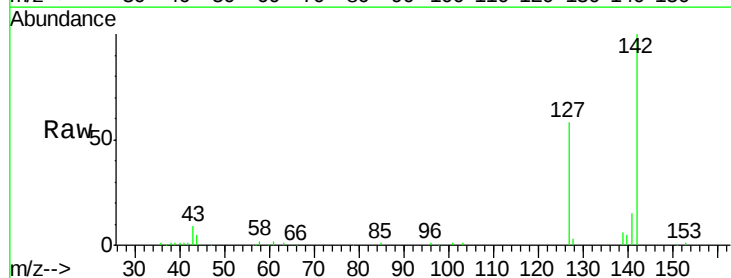
Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Tgt Ion:142 Resp: 302102

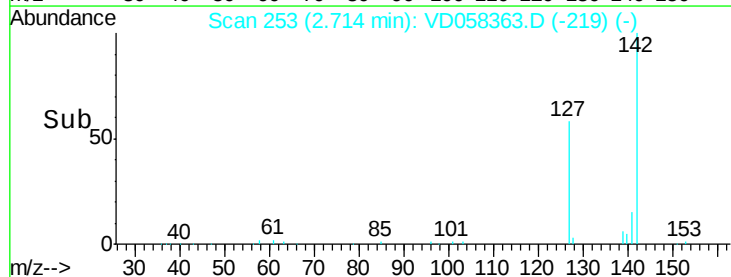
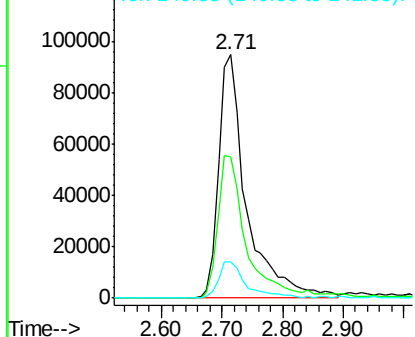
Ion	Ratio	Lower	Upper
142	100		
127	58.1	49.4	74.0
141	14.6	13.5	20.3



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



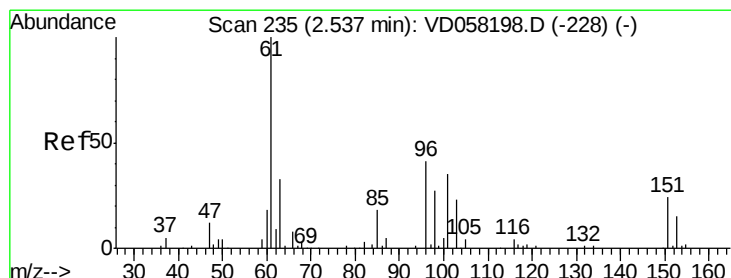
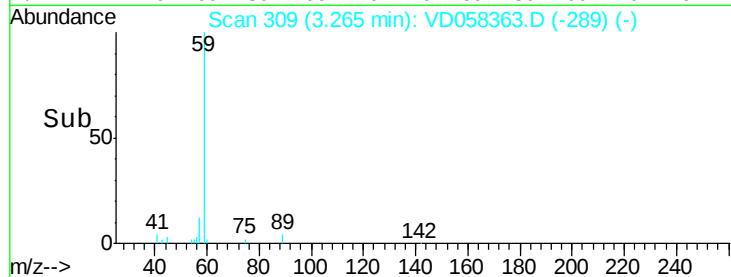
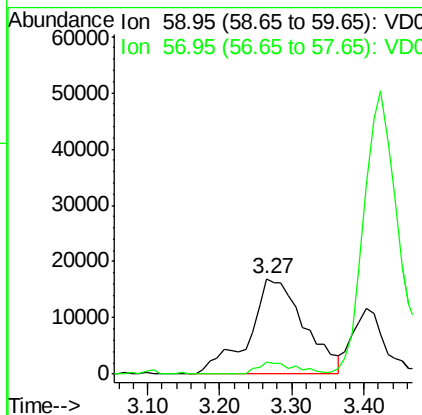
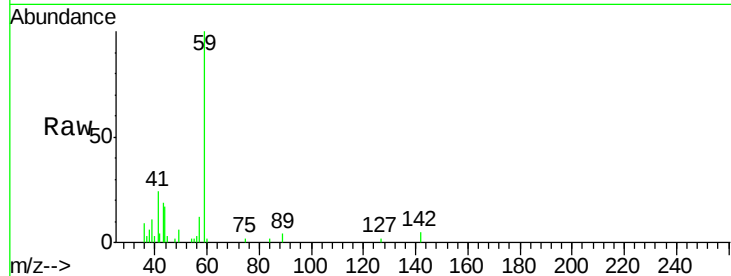


#11

Tert butyl alcohol
Concen: 260.679 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampled :

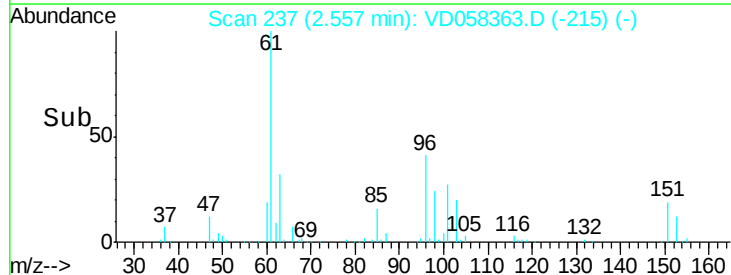
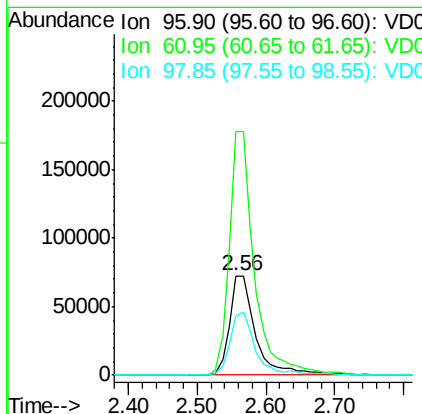
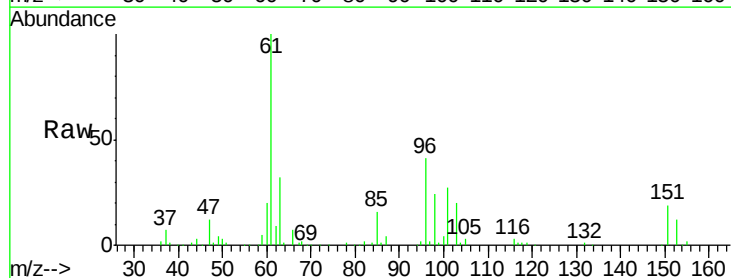
Tot Ion: 59 Resp: 89384
Ion Ratio Lower Upper
59 100
57 12.2 6.2 9.4#

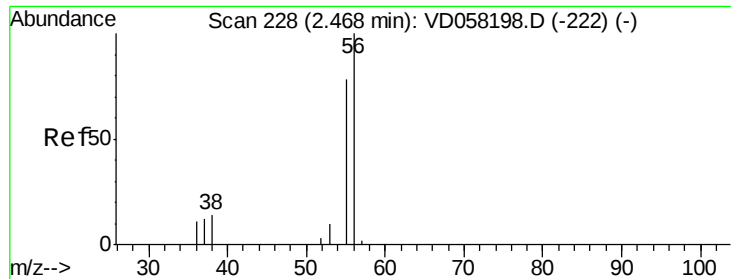


#12

1,1-Dichloroethene
Concen: 53.107 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 96 Resp: 187793
Ion Ratio Lower Upper
96 100
61 246.1 193.9 290.9
98 59.4 51.7 77.5

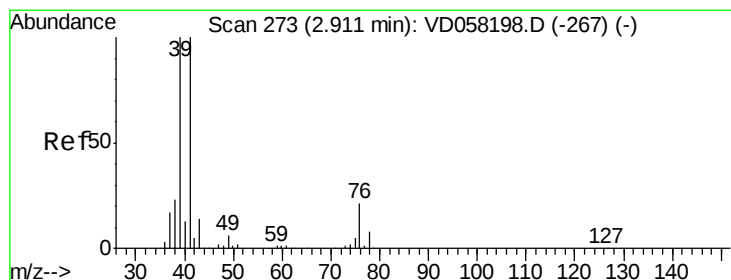
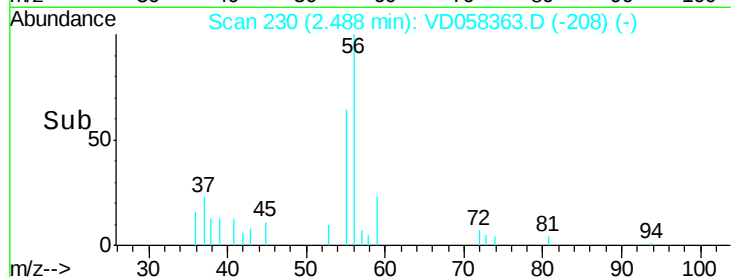
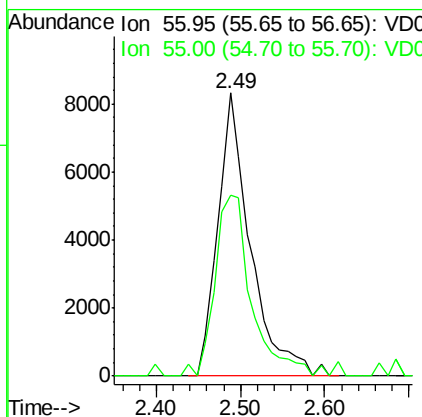
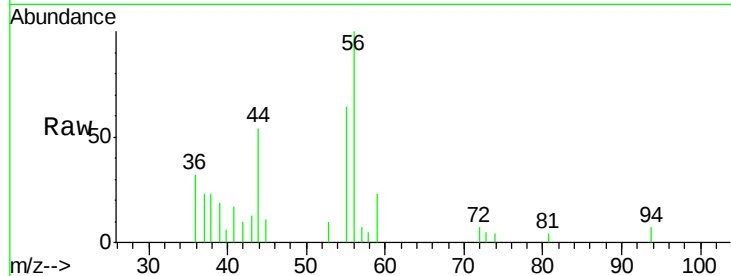




#13
Acrolein
Concen: 113.987 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

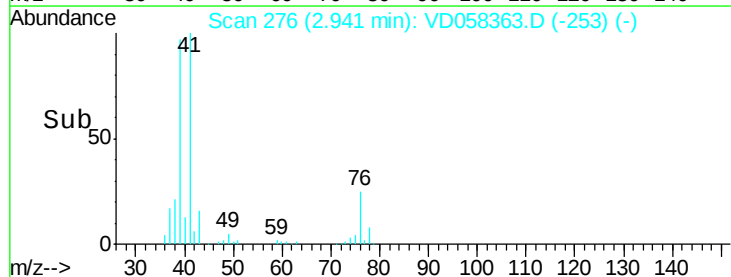
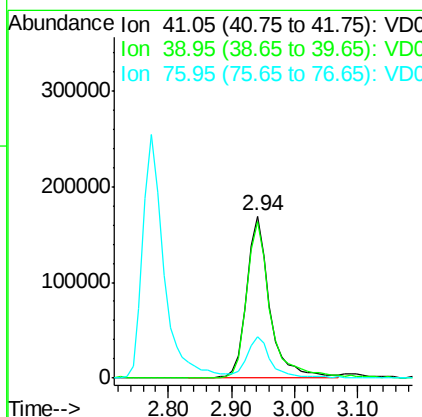
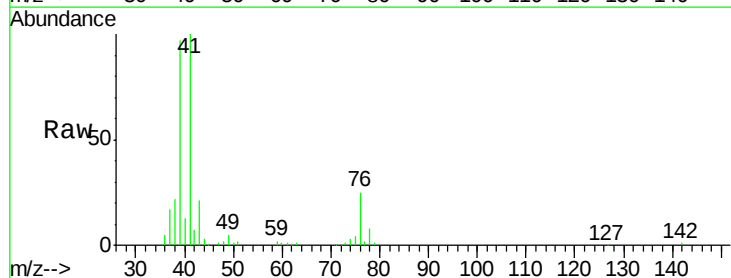
Instrument :
MSVOA_D
ClientSampleId :

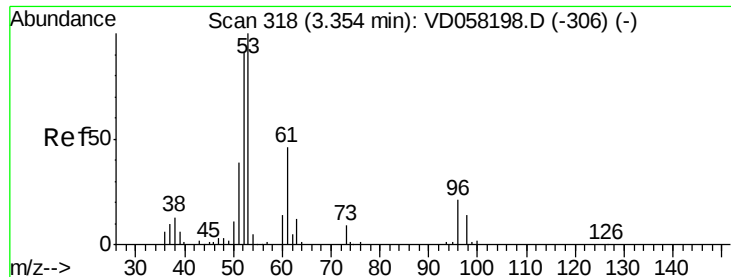
Tot Ion: 56 Resp: 22312
Ion Ratio Lower Upper
56 100
55 63.8 62.1 93.1



#14
Allyl chloride
Concen: 52.899 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.03 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 41 Resp: 435369
Ion Ratio Lower Upper
41 100
39 96.9 80.1 120.1
76 25.4 19.4 29.2

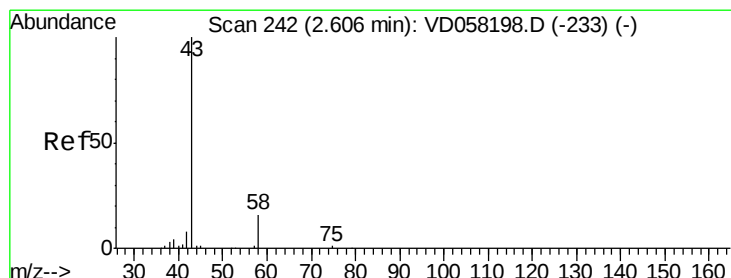
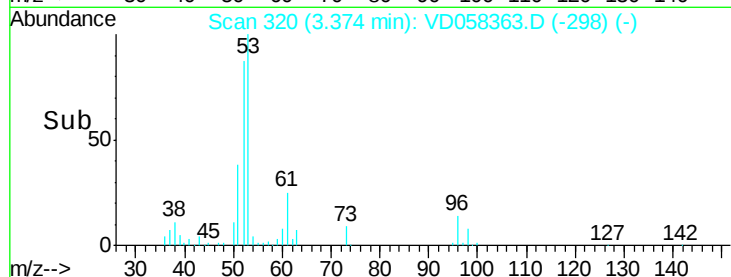
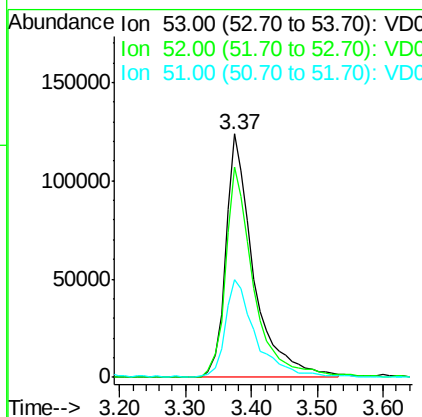
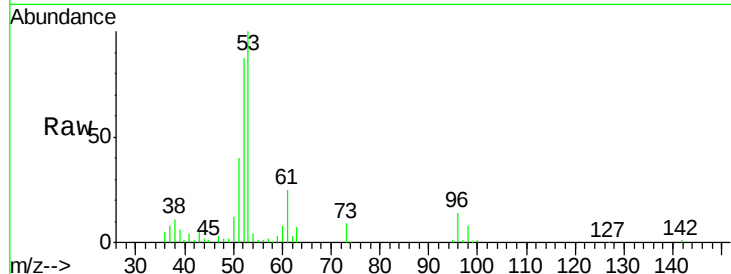




#15
 Acrylonitrile
 Concen: 404.449 ug/l
 RT: 3.37 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

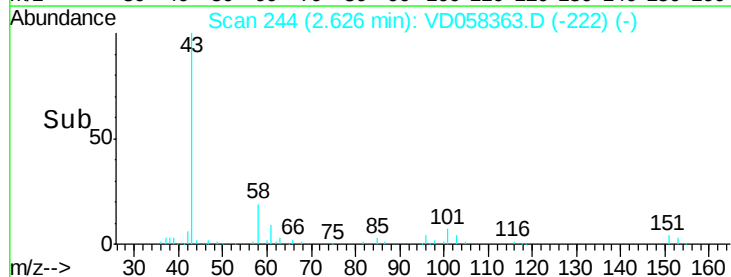
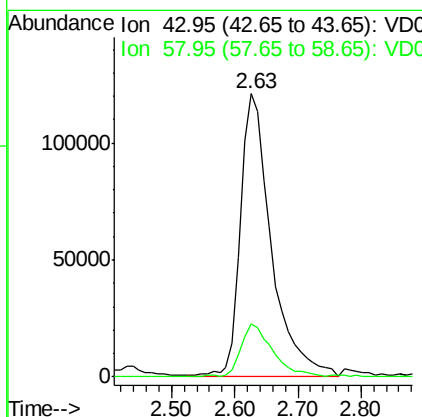
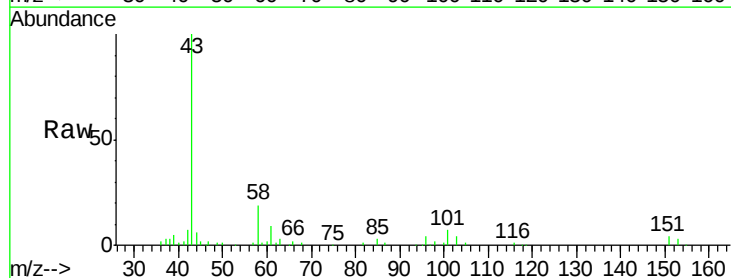
Instrument :
 MSVOA_D
 ClientSampleId :

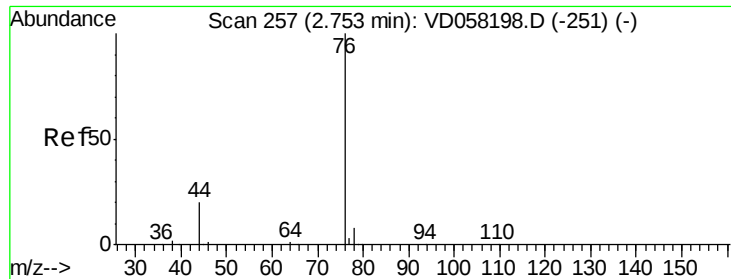
Tot Ion: 53 Resp: 367718
 Ion Ratio Lower Upper
 53 100
 52 86.5 72.6 108.8
 51 39.9 32.2 48.4



#16
 Acetone
 Concen: 290.065 ug/l
 RT: 2.63 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 412407
 Ion Ratio Lower Upper
 43 100
 58 18.8 12.7 19.1

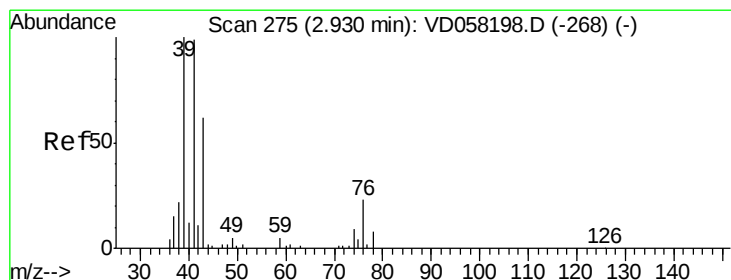
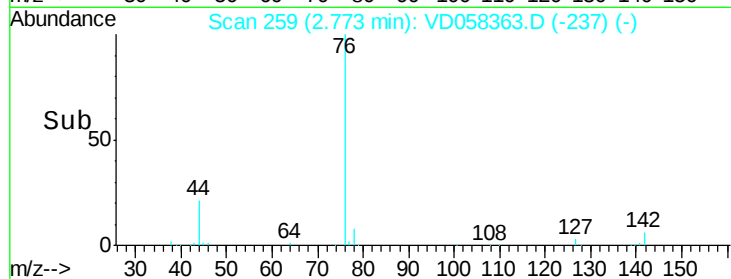
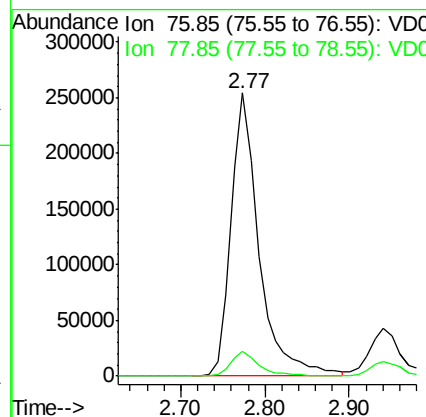
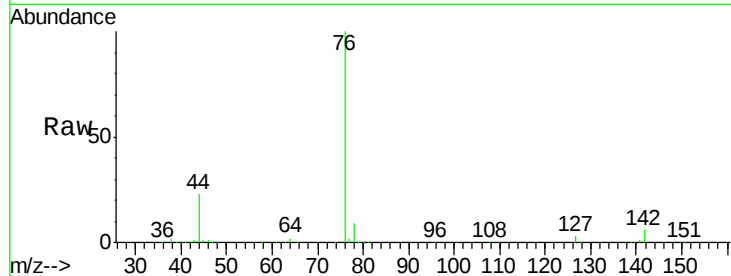




#17
Carbon Disulfide
Concen: 48.863 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

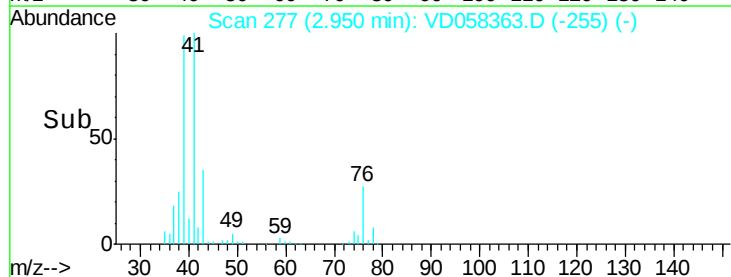
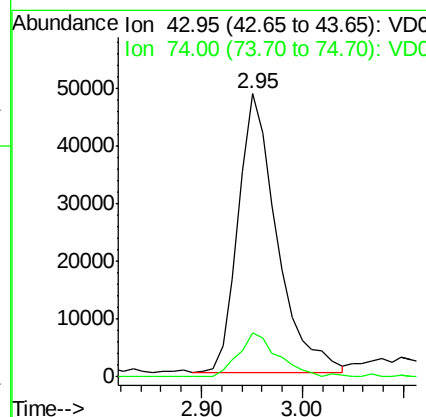
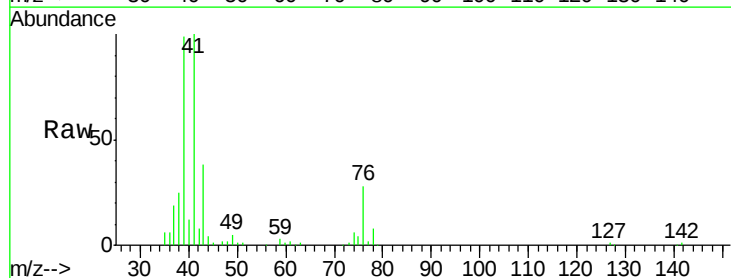
Instrument :
MSVOA_D
ClientSampleId :

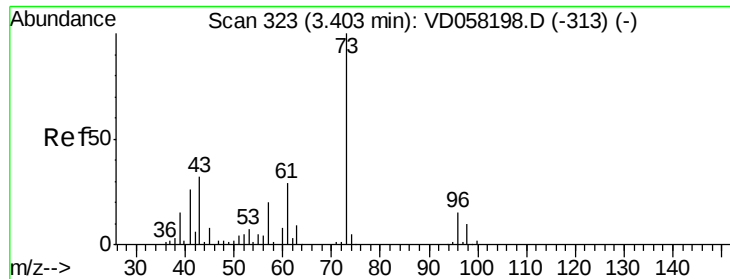
Tot Ion: 76 Resp: 587857
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 42.874 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 130002
Ion Ratio Lower Upper
43 100
74 15.4 11.7 17.5



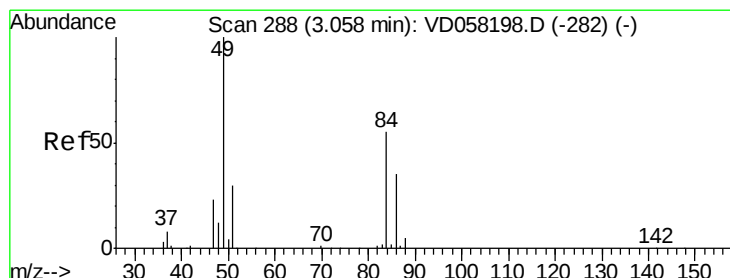
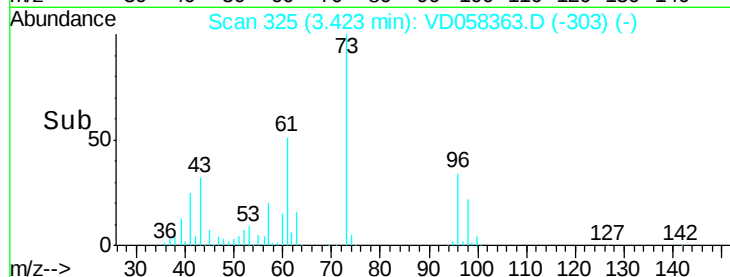
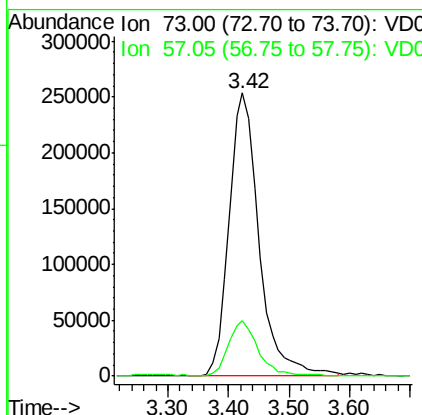
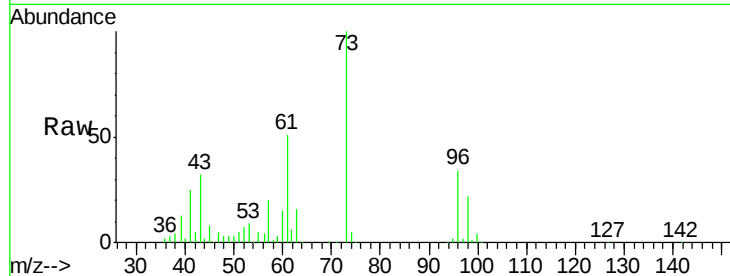


#19

Methyl tert-butyl Ether
 Concen: 93.270 ug/l
 RT: 3.42 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleID :

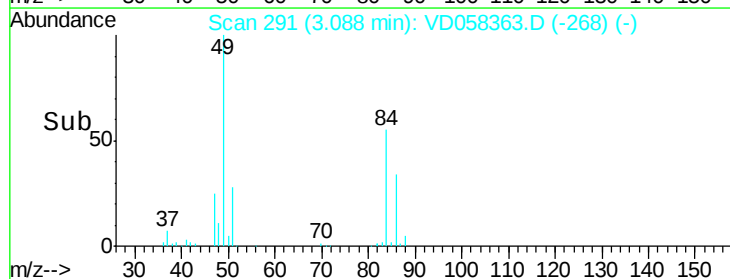
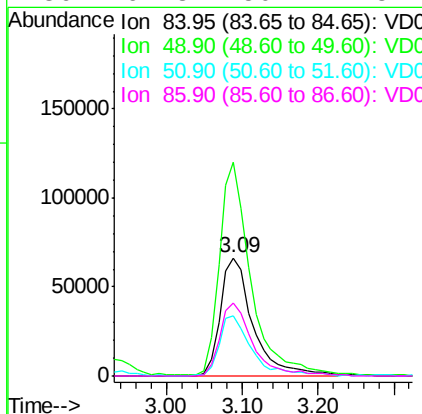
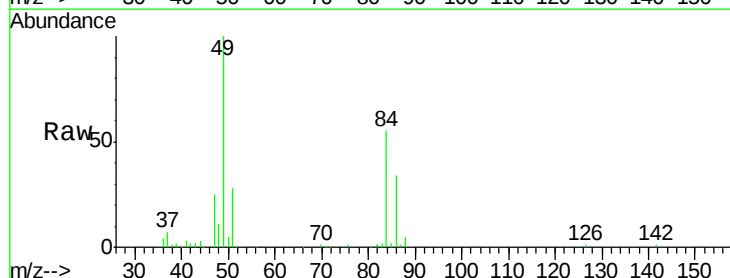
Tot Ion: 73 Resp: 874774
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.6 24.8

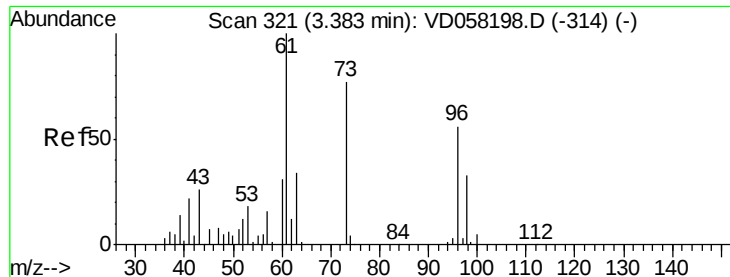


#20

Methylene Chloride
 Concen: 54.117 ug/l
 RT: 3.09 min Scan# 291
 Delta R.T. 0.03 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 84 Resp: 199409
 Ion Ratio Lower Upper
 84 100
 49 180.9 145.0 217.6
 51 50.8 42.9 64.3
 86 61.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 109.600 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

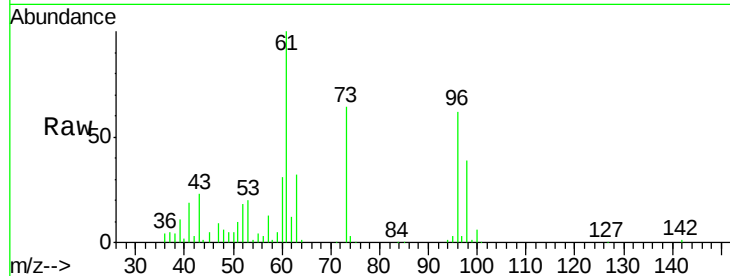
Tot Ion: 96 Resp: 423562

Ion Ratio Lower Upper

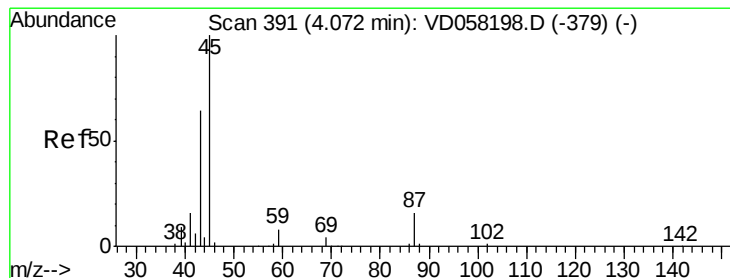
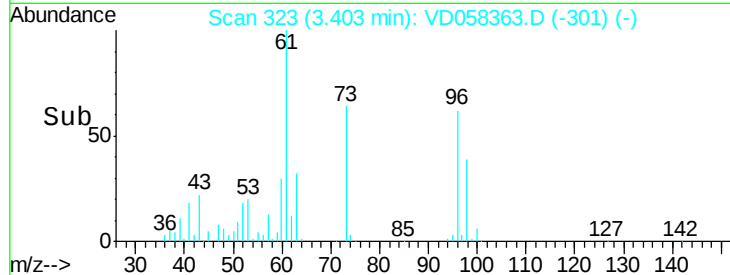
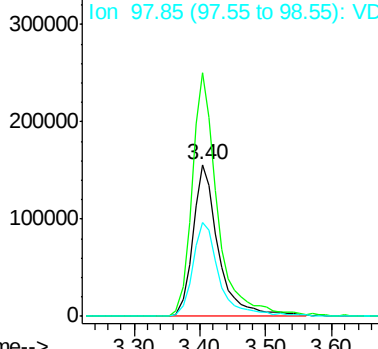
96 100

61 160.7 143.8 215.6

98 62.2 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: 47.366 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Tgt Ion: 45 Resp: 1548275

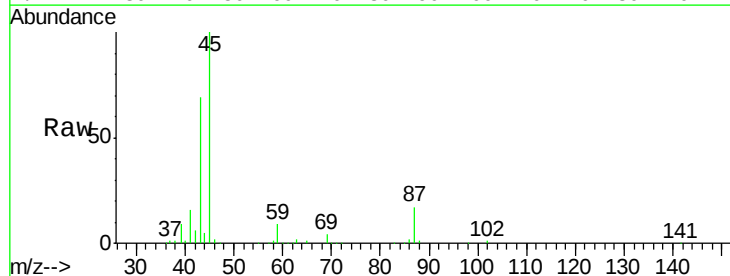
Ion Ratio Lower Upper

45 100

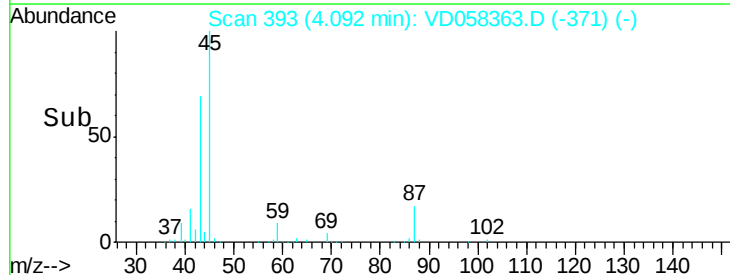
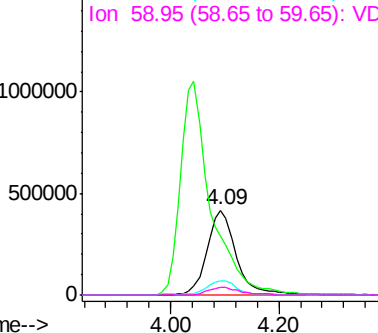
43 69.0 51.4 77.0

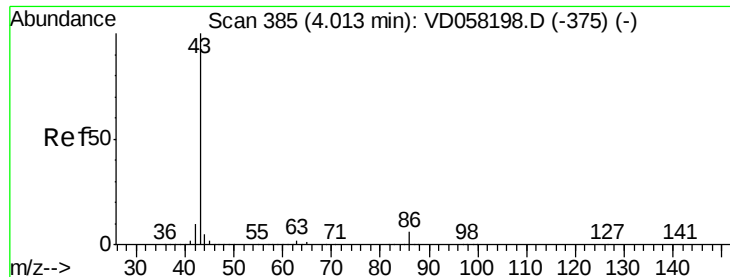
87 16.9 13.0 19.4

59 8.8 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: 231.593 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

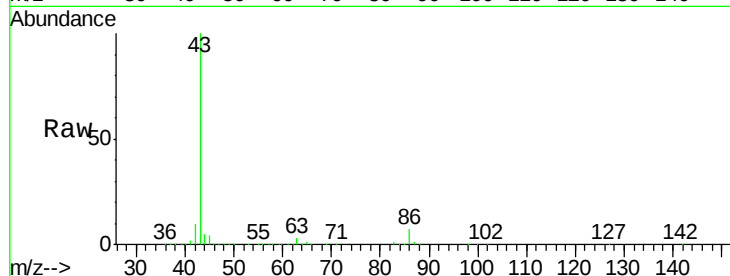
ClientSampled :

Tot Ion: 43 Resp: 4058073

Ion Ratio Lower Upper

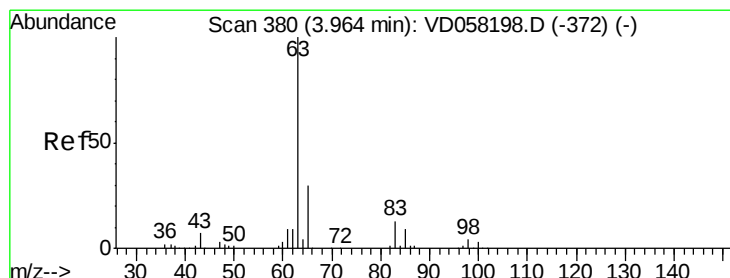
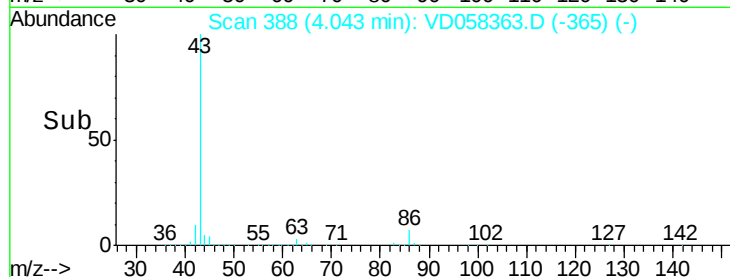
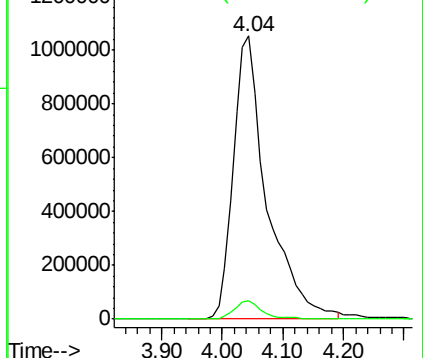
43 100

86 6.7 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: 50.254 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

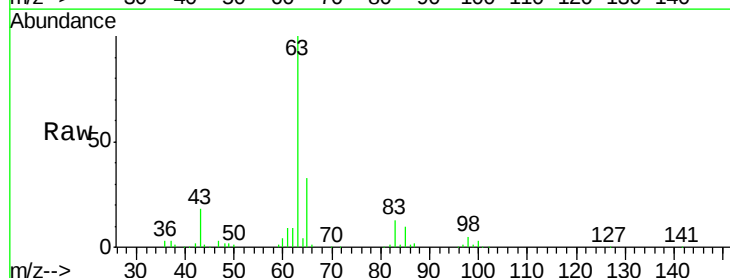
Tgt Ion: 63 Resp: 884972

Ion Ratio Lower Upper

63 100

98 4.8 1.9 5.7

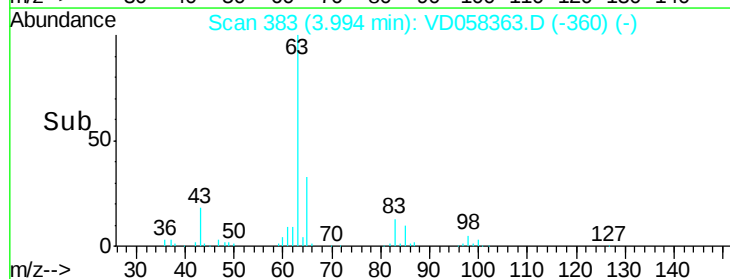
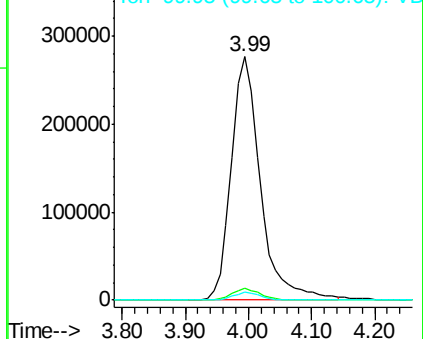
100 3.2 1.3 3.9

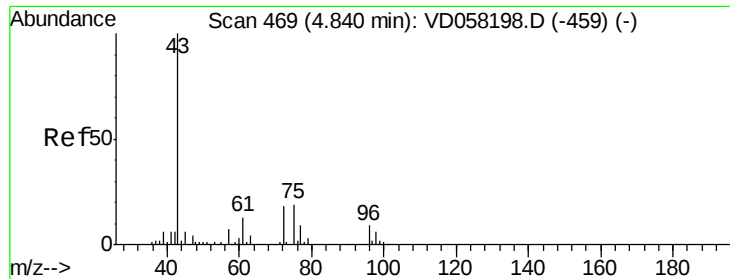


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 222.331 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

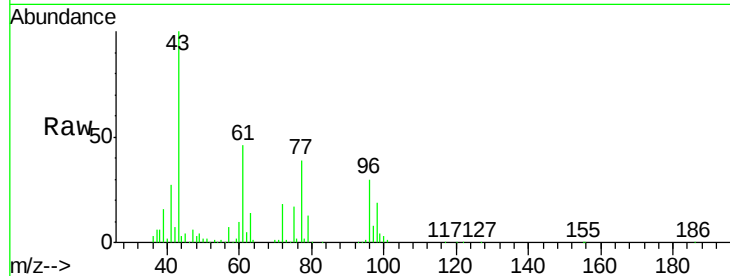
ClientSampled :

Tot Ion: 43 Resp: 688960

Ion Ratio Lower Upper

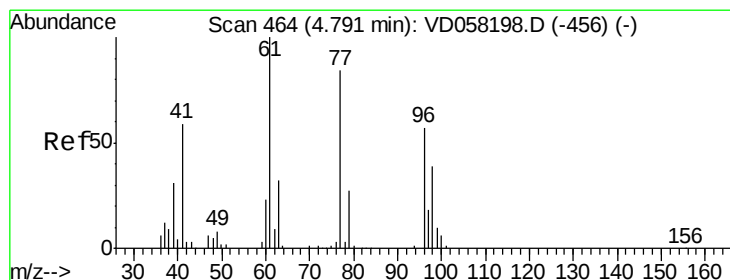
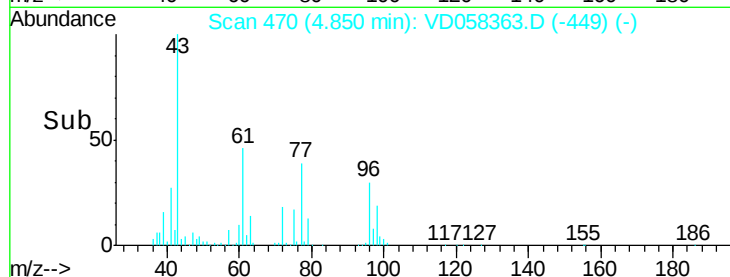
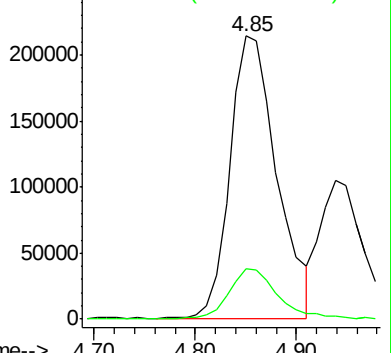
43 100

72 18.0 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: 52.735 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058363.D

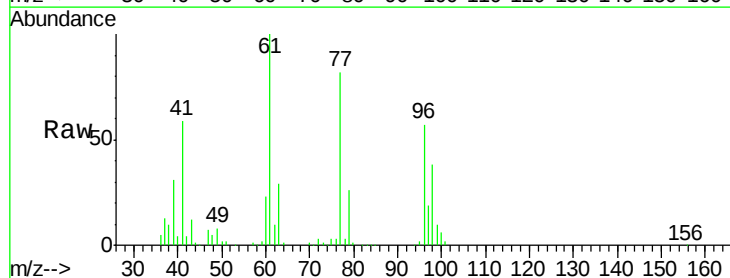
Acq: 24 Jun 2018 10:54

Tgt Ion: 77 Resp: 777601

Ion Ratio Lower Upper

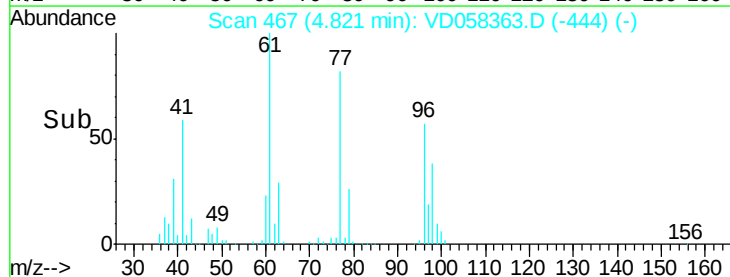
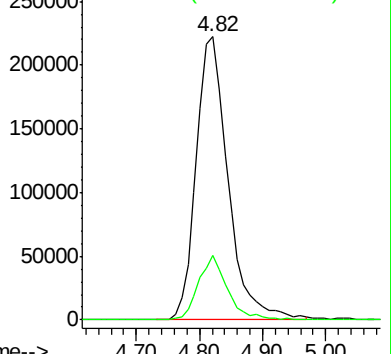
77 100

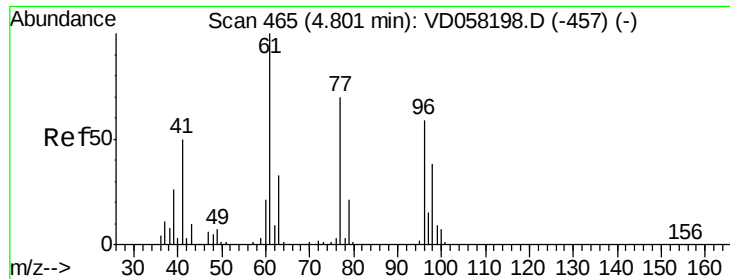
97 22.9 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



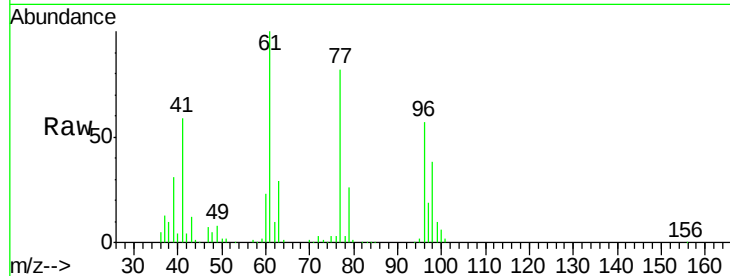


#27

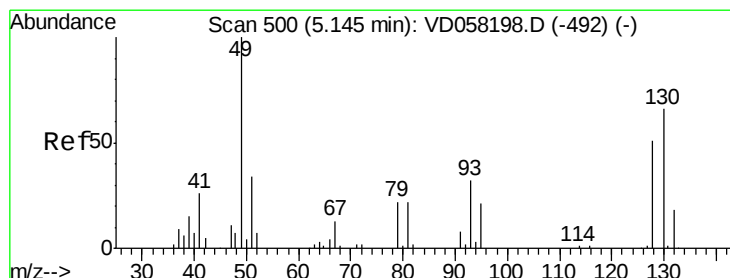
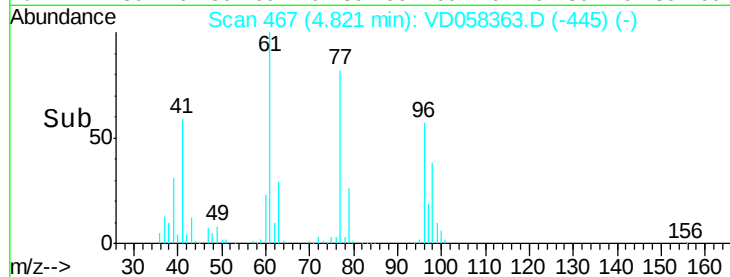
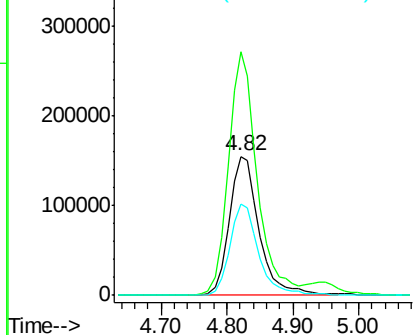
cis-1,2-Dichloroethene
Concen: 50.562 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	338.6
98	65.9	0.0	130.2



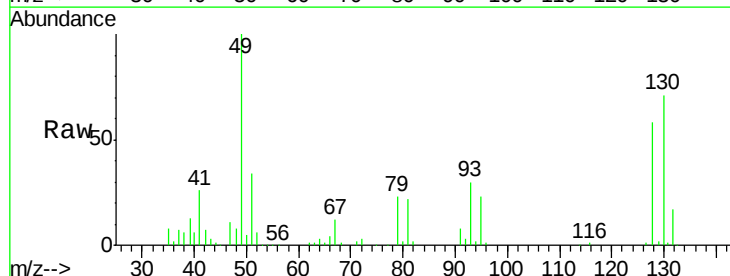
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



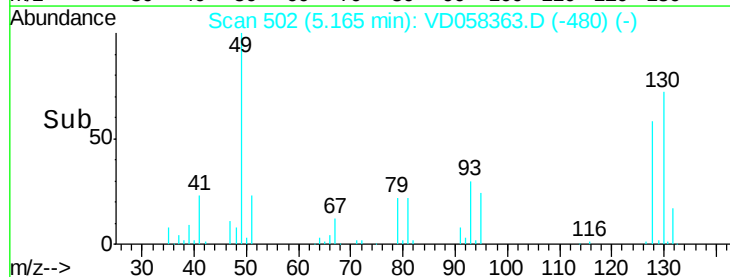
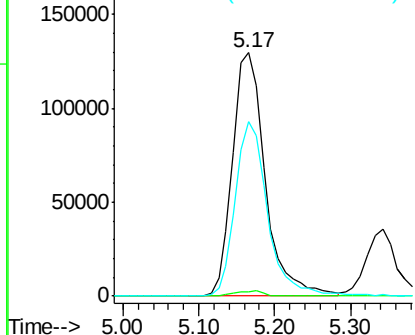
#28

Bromochloromethane
Concen: 49.272 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	71.5	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

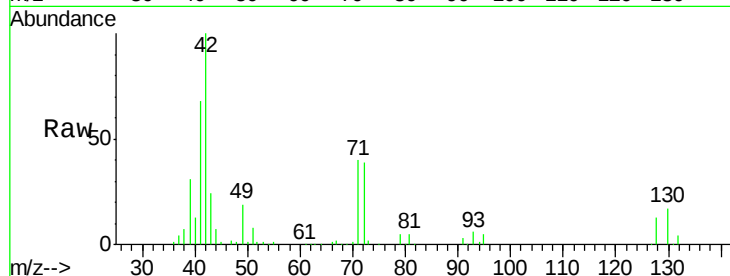




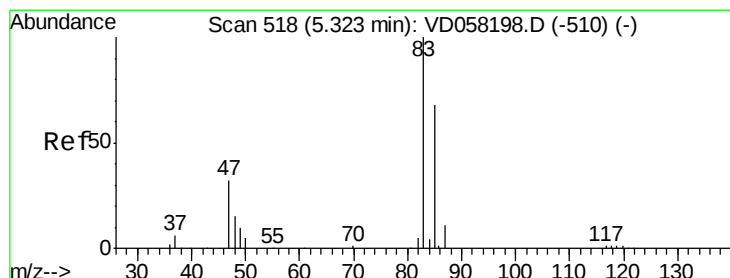
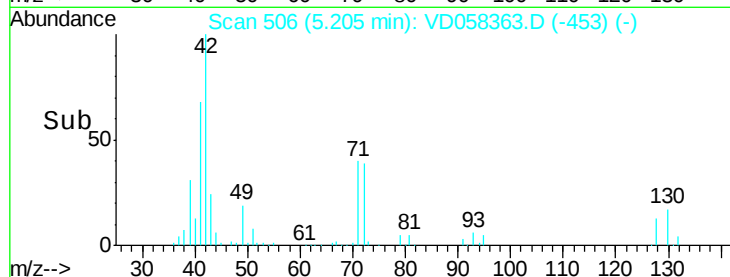
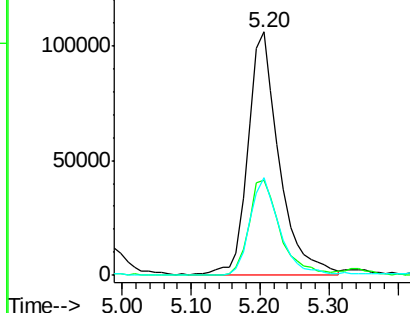
#29
Tetrahydrofuran
Concen: 199.456 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 328987
Ion Ratio Lower Upper
42 100
72 39.7 30.2 45.2
71 38.5 30.1 45.1

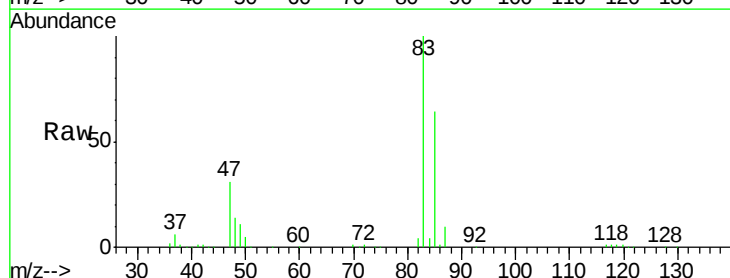


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

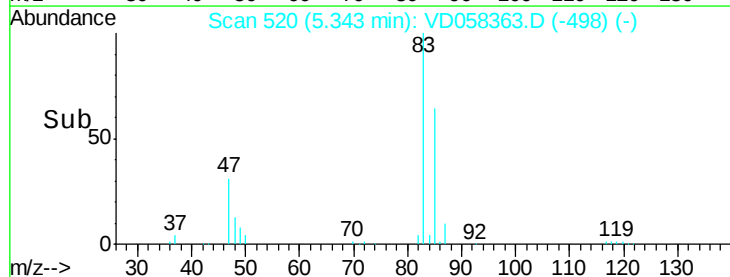
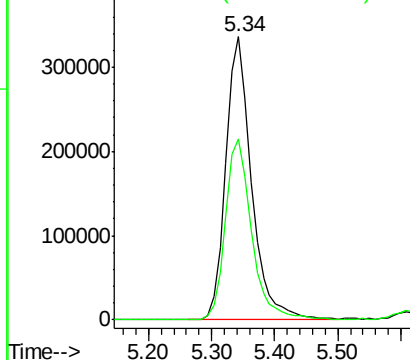


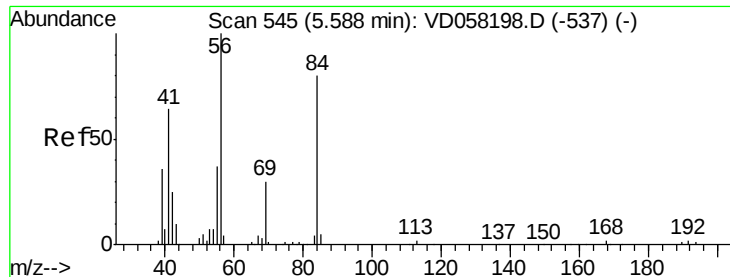
#30
Chloroform
Concen: 51.133 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 83 Resp: 950630
Ion Ratio Lower Upper
83 100
85 63.9 54.8 82.2



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

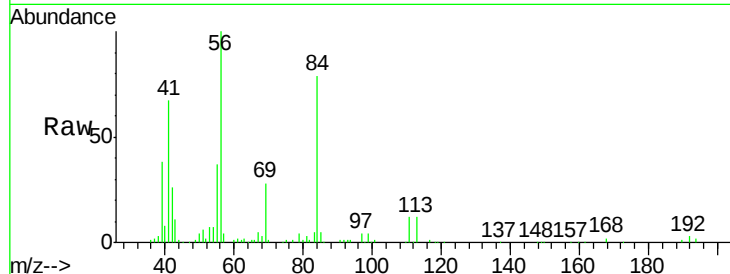




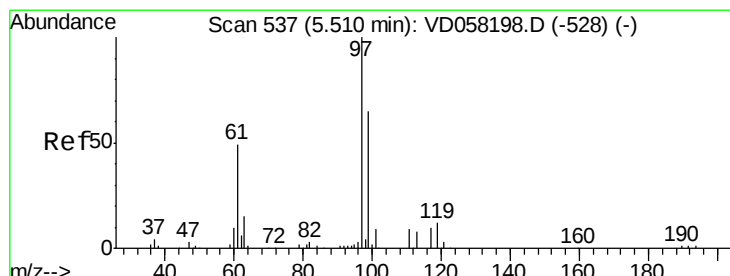
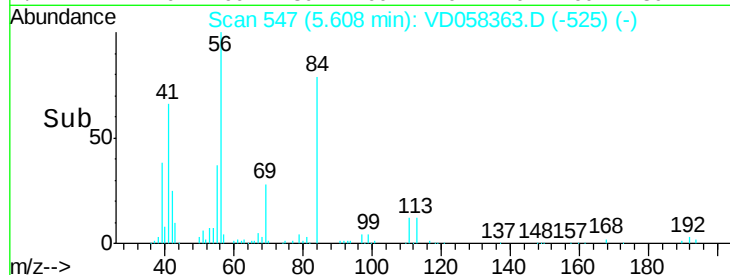
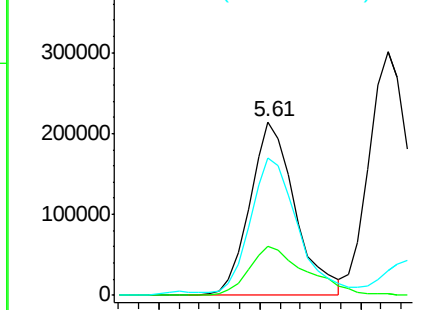
#31
Cyclohexane
Concen: 52.445 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 667273
Ion Ratio Lower Upper
56 100
69 28.4 23.6 35.4
84 79.0 65.2 97.8

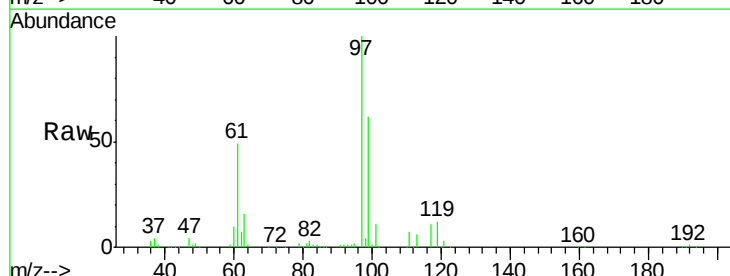


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

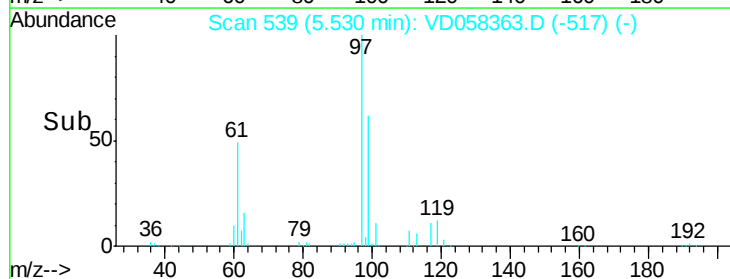
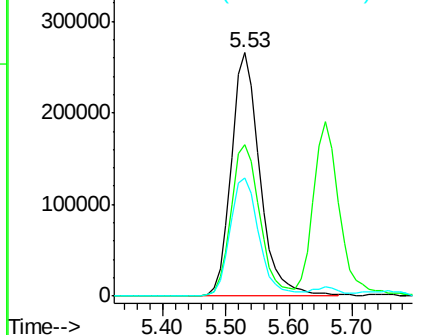


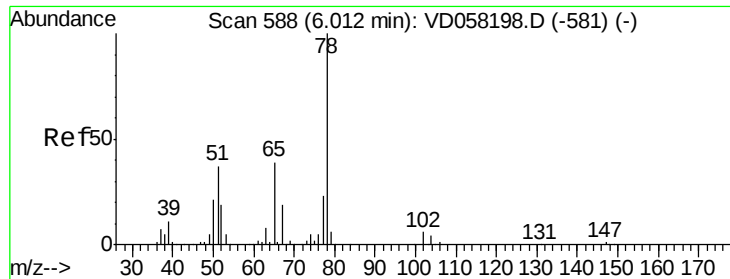
#32
1,1,1-Trichloroethane
Concen: 53.918 ug/l
RT: 5.53 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 97 Resp: 828218
Ion Ratio Lower Upper
97 100
99 62.1 52.2 78.4
61 48.8 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

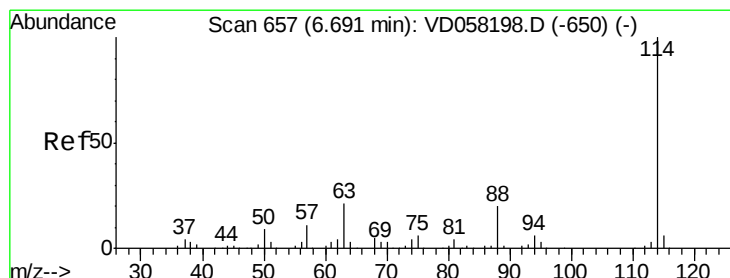
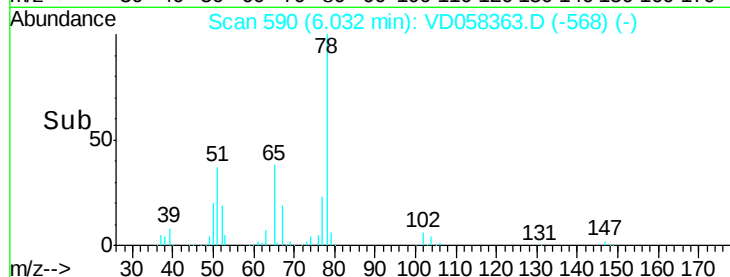
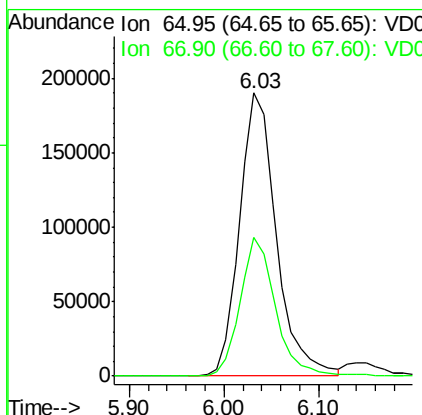
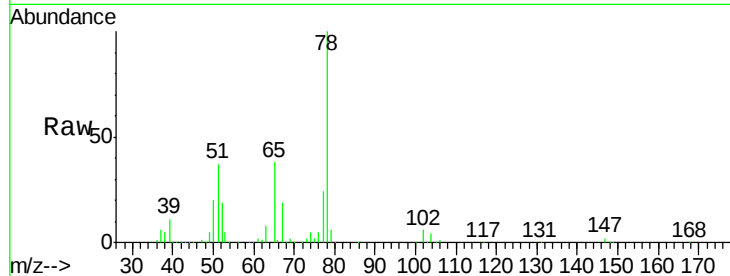




#33
 1,2-Dichloroethane-d4
 Concen: 53.918 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

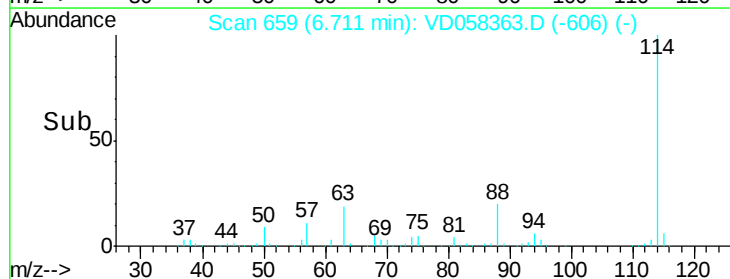
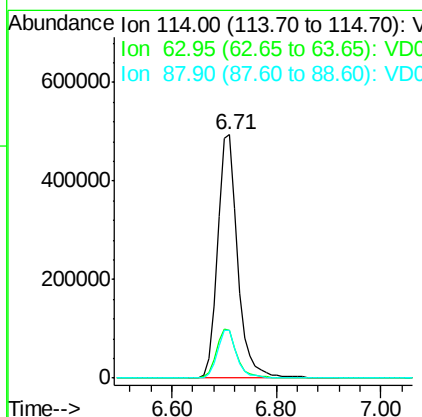
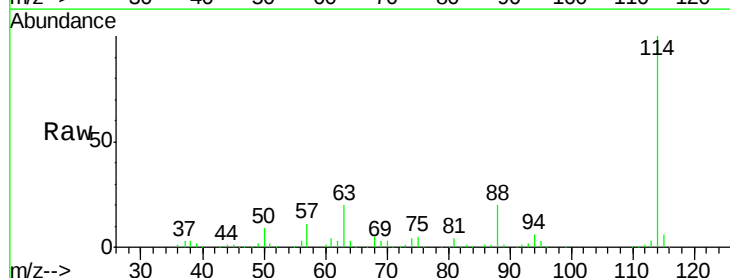
Instrument :
 MSVOA_D
 ClientSampled :

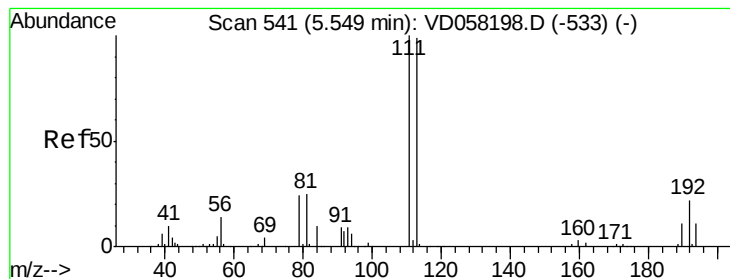
Tot Ion: 65 Resp: 513003
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 114 Resp: 1317902
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 19.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampled :

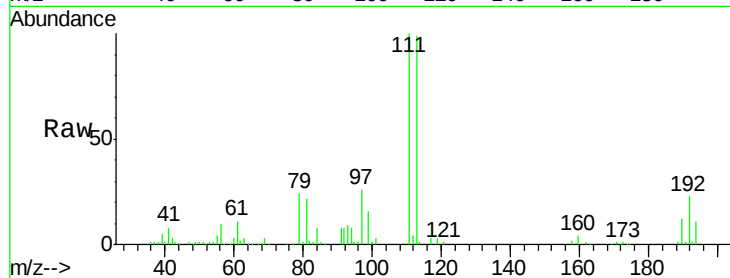
Tot Ion:113 Resp: 552156

Ion Ratio Lower Upper

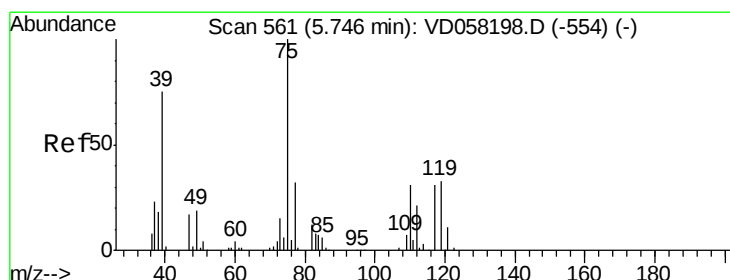
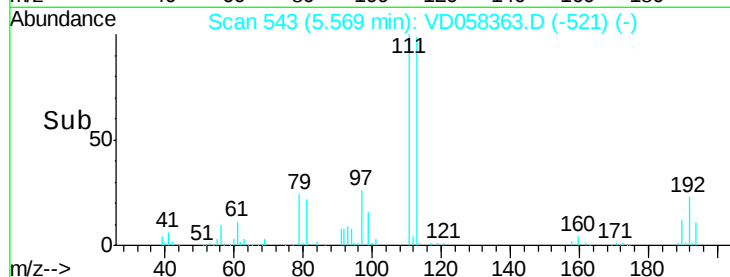
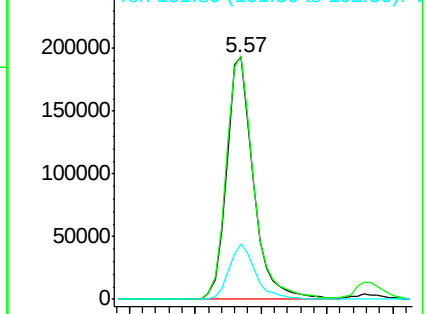
113 100

111 100.5 80.6 121.0

192 22.8 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: 50.092 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

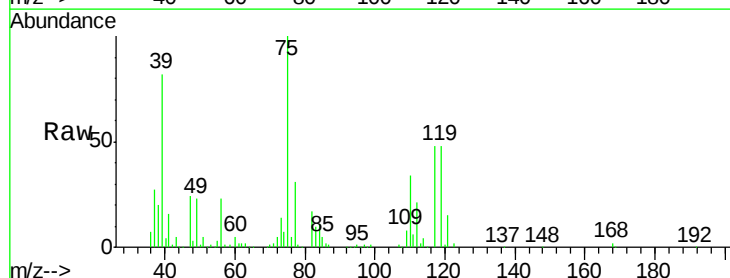
Tgt Ion: 75 Resp: 653070

Ion Ratio Lower Upper

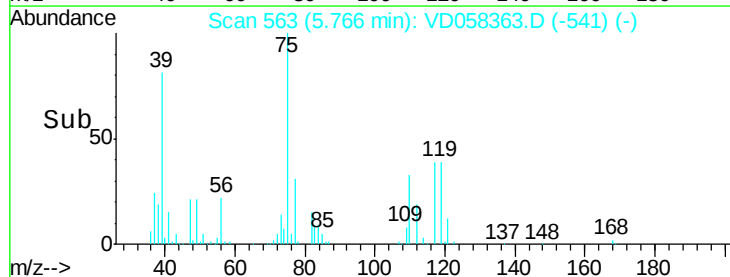
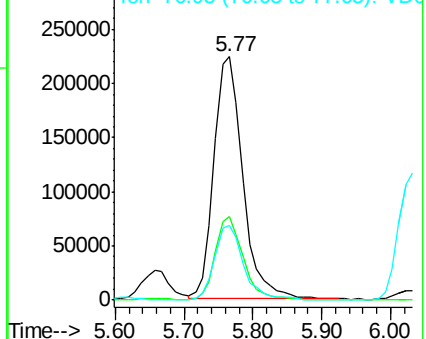
75 100

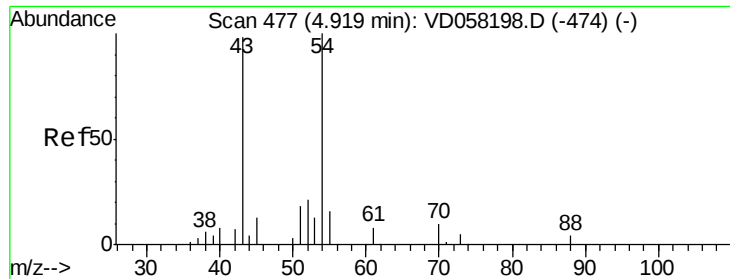
110 34.2 15.4 46.4

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

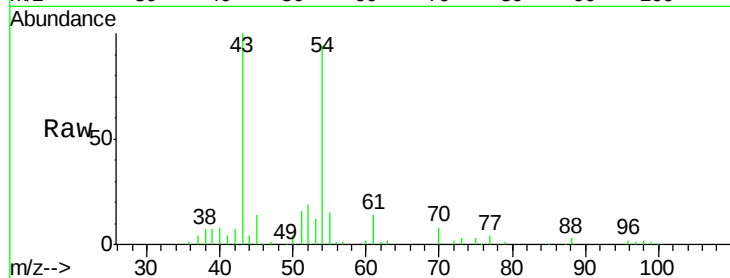




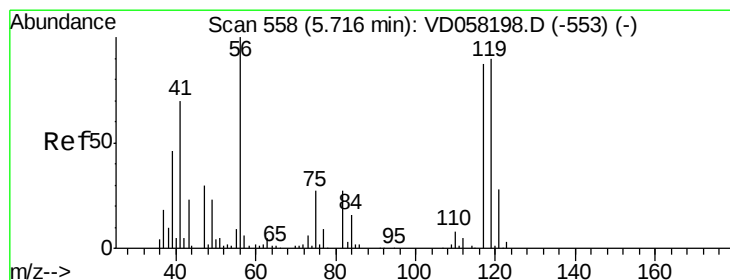
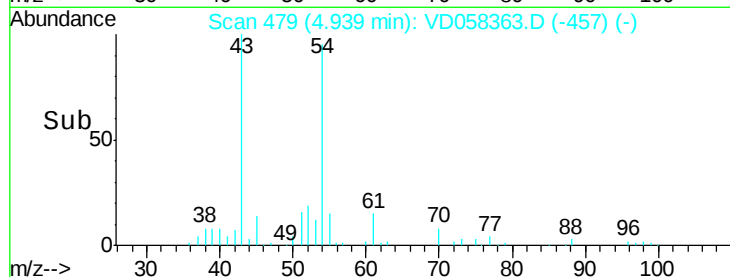
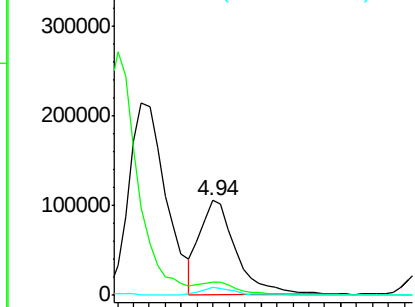
#37
Ethyl Acetate
Concen: 44.041 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 327151
Ion Ratio Lower Upper
43 100
61 14.5 10.3 15.5
70 8.3 5.7 8.5

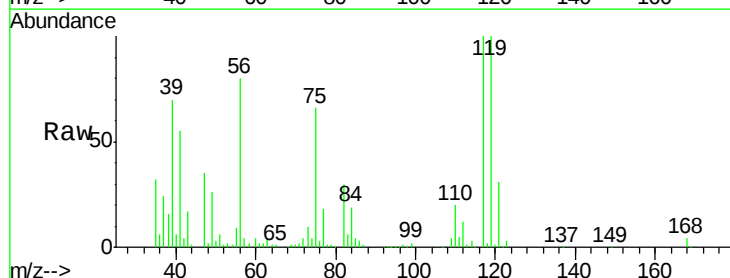


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

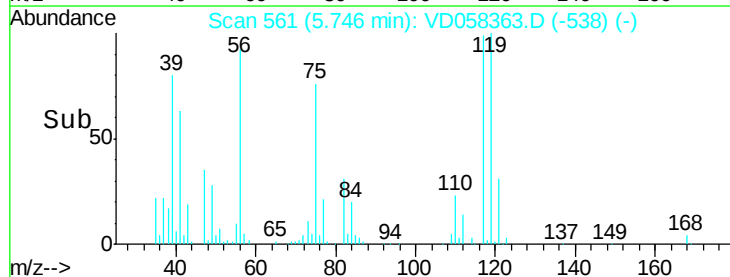
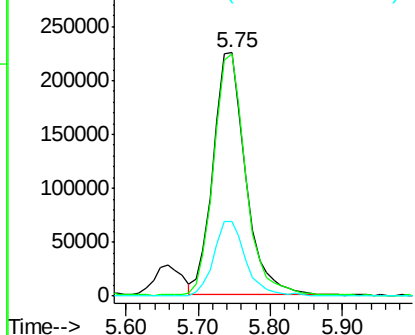


#38
Carbon Tetrachloride
Concen: 54.166 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 117 Resp: 701682
Ion Ratio Lower Upper
117 100
119 99.6 78.8 118.2
121 30.9 25.0 37.6



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





#39

Methvlcvclohexane

Concen: 50.289 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampled :

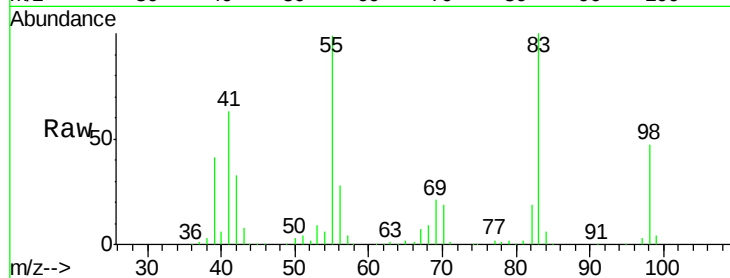
Tot Ion: 83 Resp: 638601

Ion Ratio Lower Upper

83 100

55 98.7 77.4 116.2

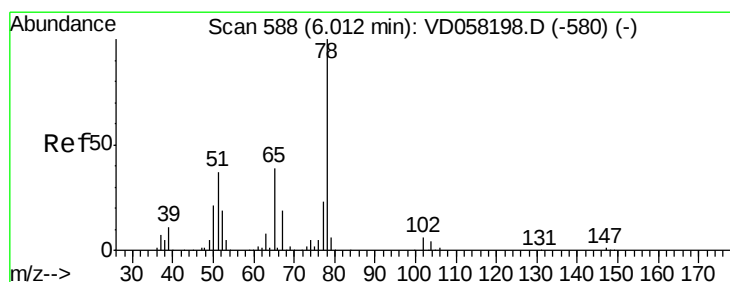
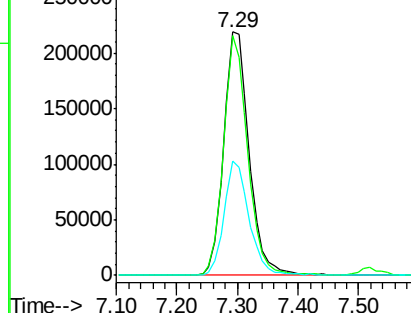
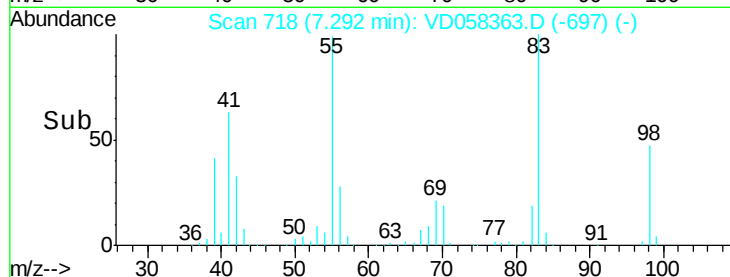
98 46.8 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.418 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058363.D

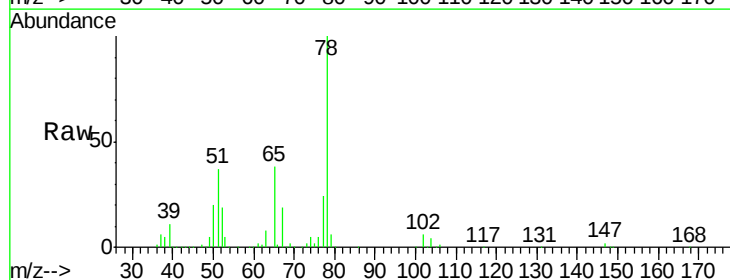
Acq: 24 Jun 2018 10:54

Tgt Ion: 78 Resp: 1472645

Ion Ratio Lower Upper

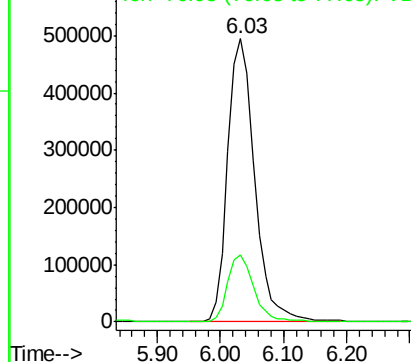
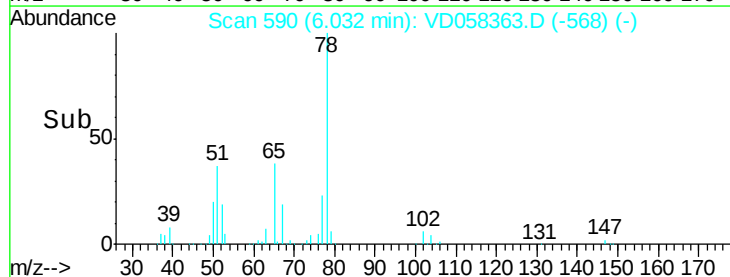
78 100

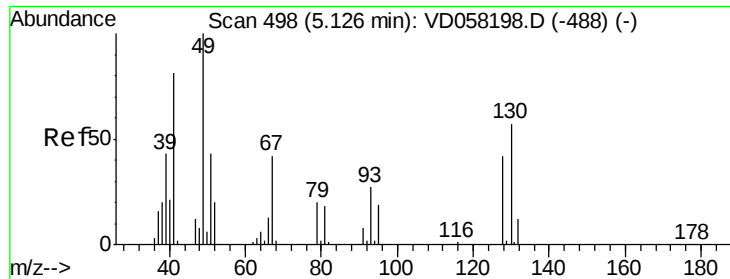
77 23.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

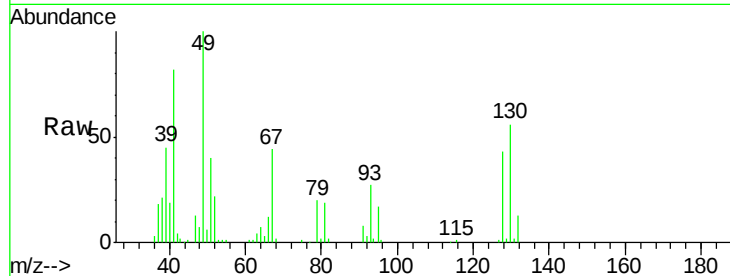




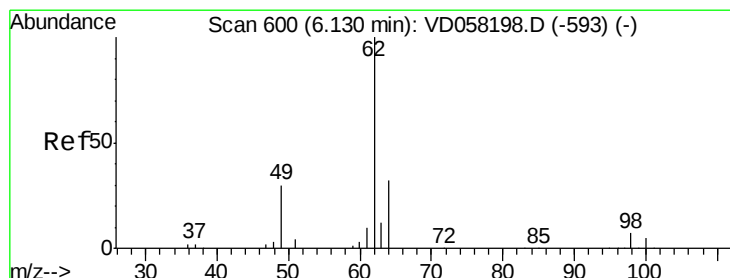
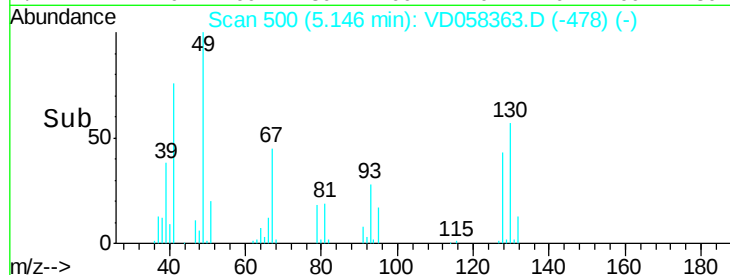
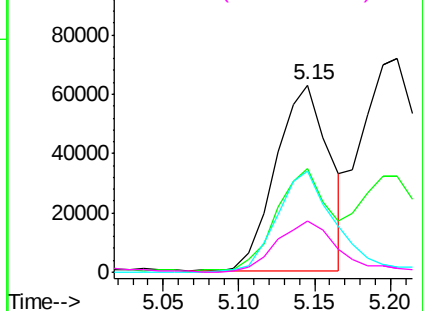
#41
Methacrylonitrile
Concen: 43.297 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 155304
Ion Ratio Lower Upper
41 100
39 55.4 43.4 65.2
67 54.2 41.7 62.5
52 27.1 20.6 30.8

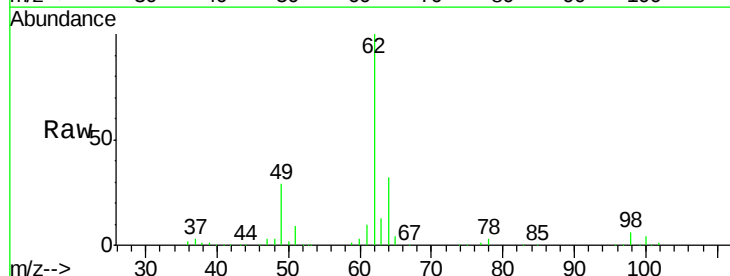


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

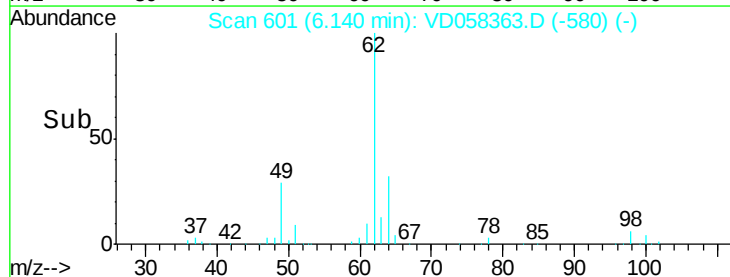
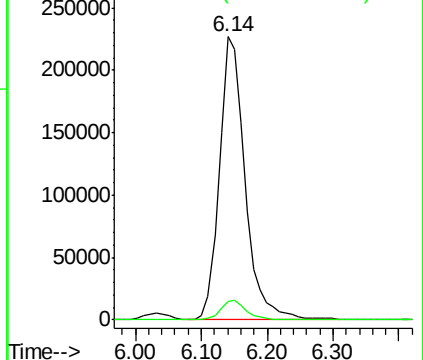


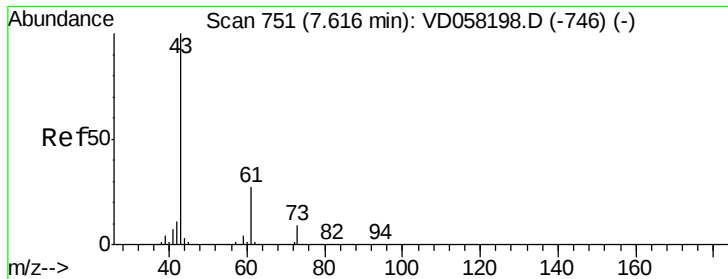
#42
1,2-Dichloroethane
Concen: 48.915 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 62 Resp: 612543
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2



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



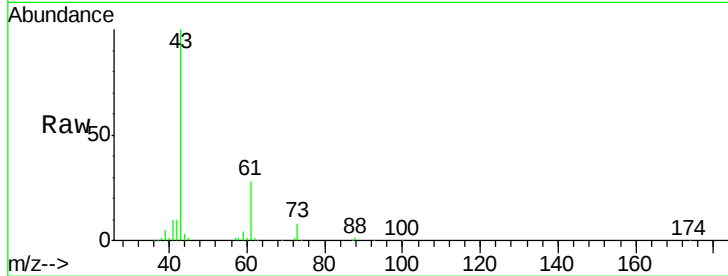


#43

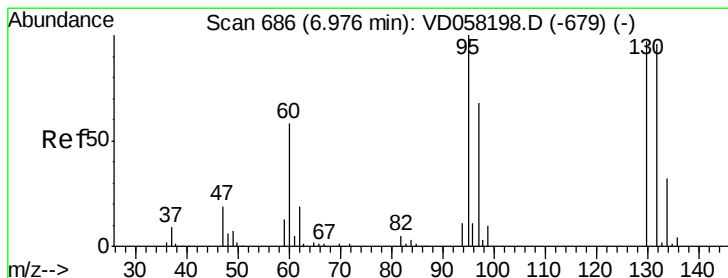
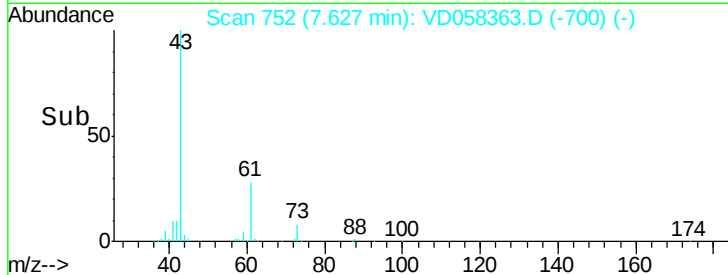
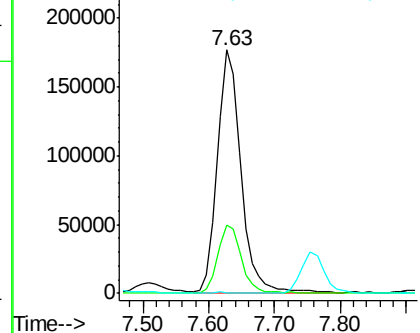
Isopropyl Acetate
 Concen: 43.834 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 434110
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.8 32.6
 87 0.3 0.3 0.5



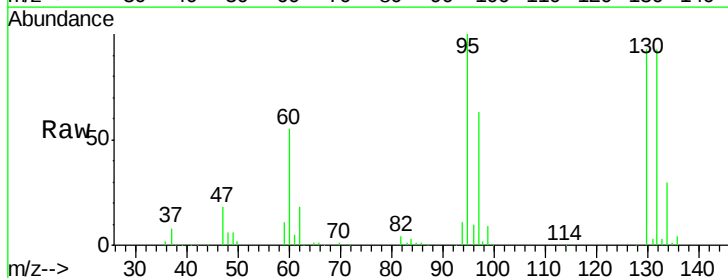
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



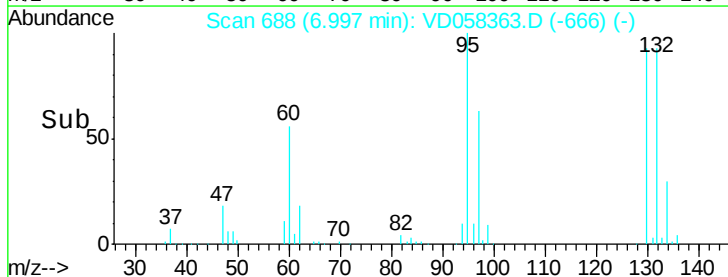
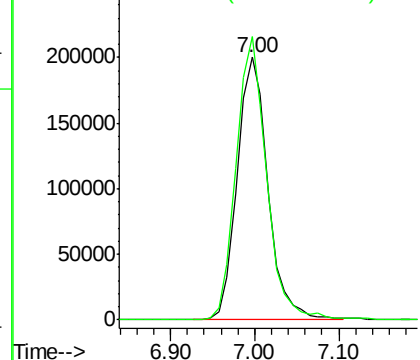
#44

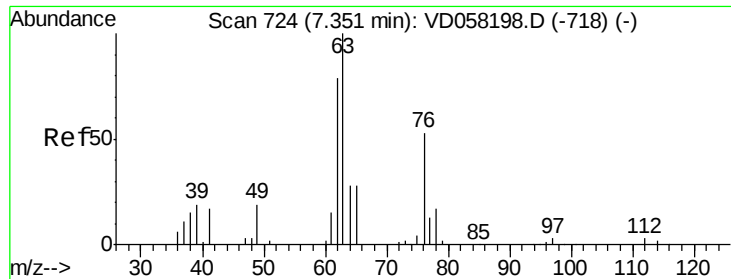
Trichloroethene
 Concen: 54.586 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 130 Resp: 509049
 Ion Ratio Lower Upper
 130 100
 95 107.9 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 50.730 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

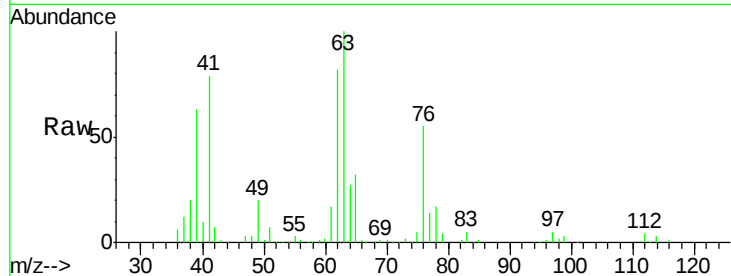
ClientSampleId :

Tot Ion: 63 Resp: 424304

Ion Ratio Lower Upper

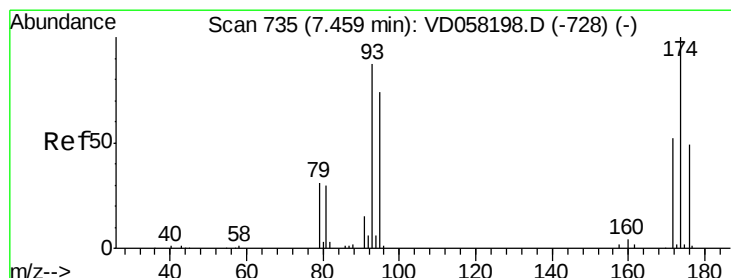
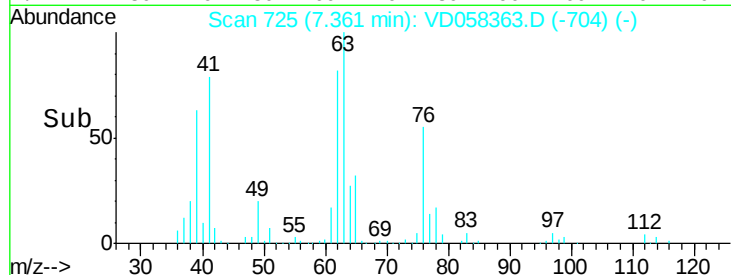
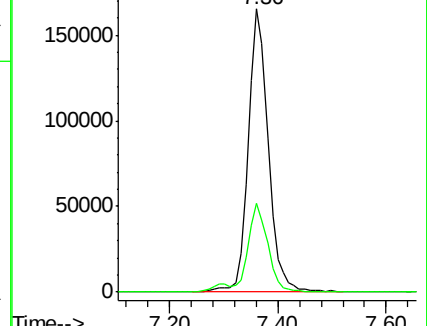
63 100

65 31.5 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.025 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

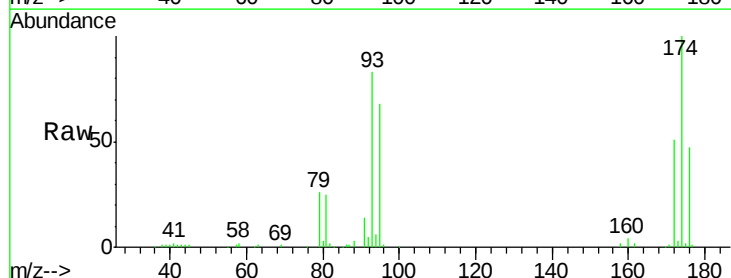
Tgt Ion: 93 Resp: 285631

Ion Ratio Lower Upper

93 100

95 82.0 67.8 101.6

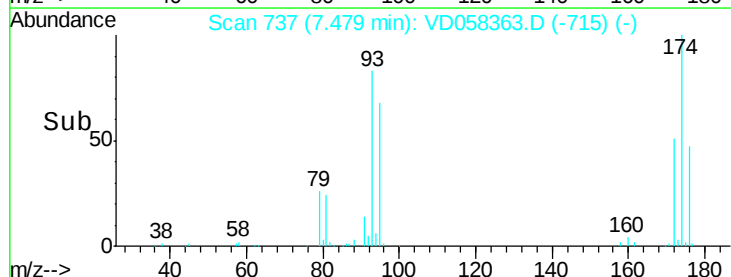
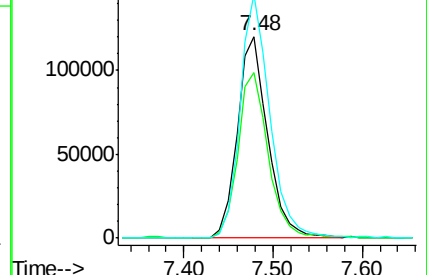
174 120.8 92.2 138.2

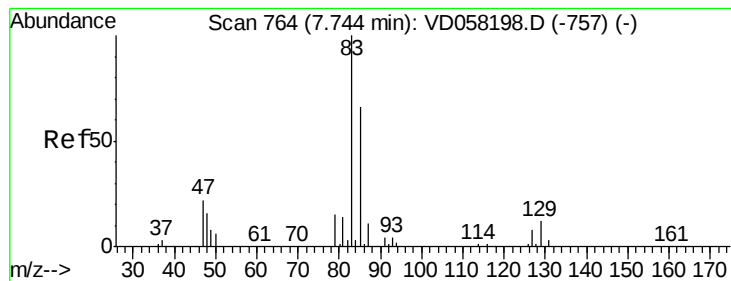


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.838 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

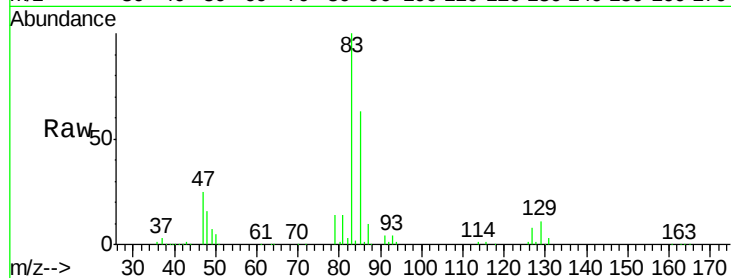
Tot Ion: 83 Resp: 674947

Ion Ratio Lower Upper

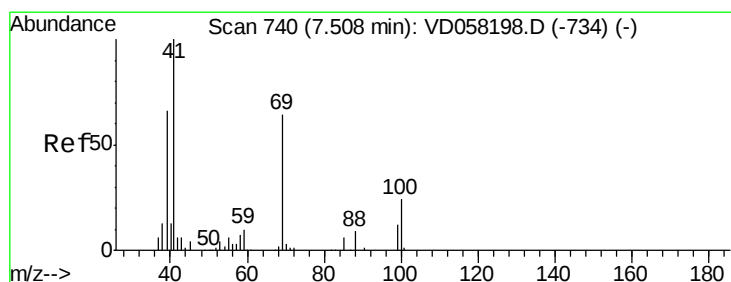
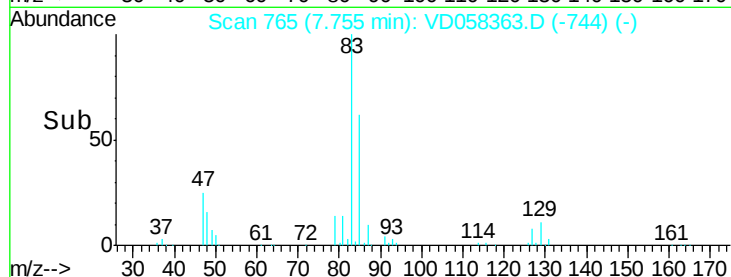
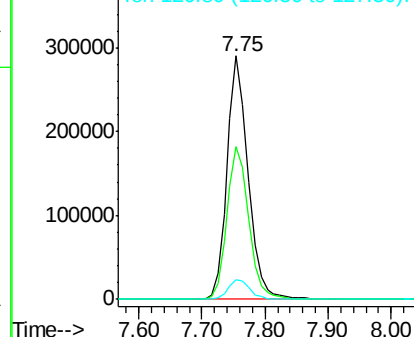
83 100

85 62.6 52.6 78.8

127 7.9 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): V



#48

Methyl methacrylate

Concen: 43.976 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

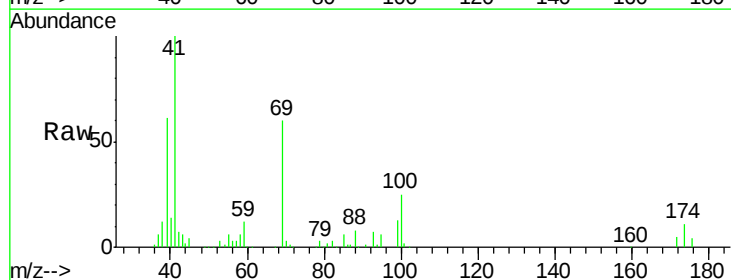
Tgt Ion: 41 Resp: 264691

Ion Ratio Lower Upper

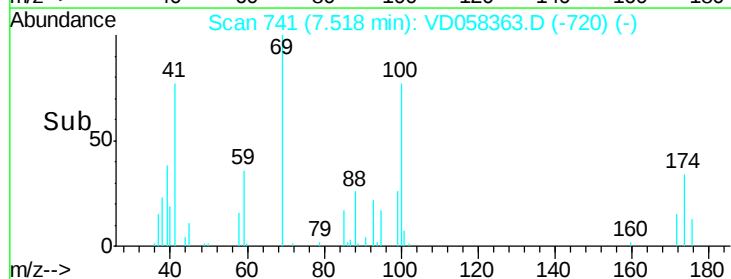
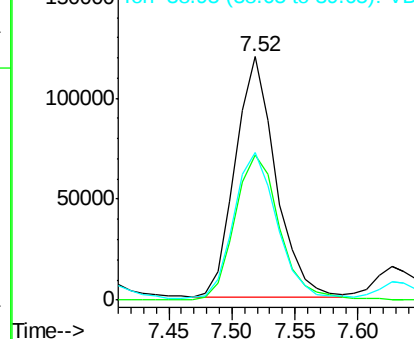
41 100

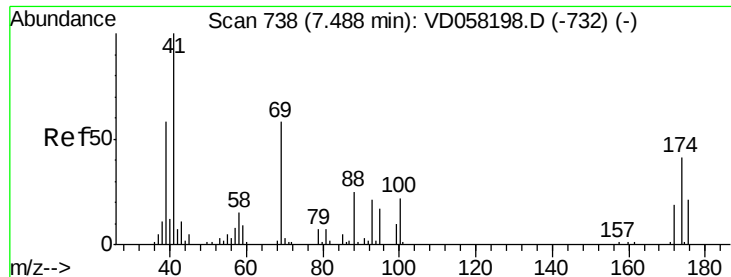
69 59.6 50.7 76.1

39 60.8 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

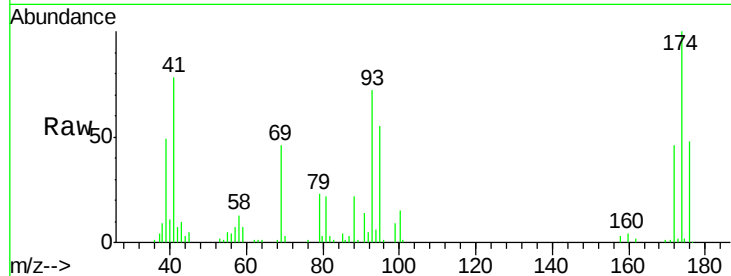




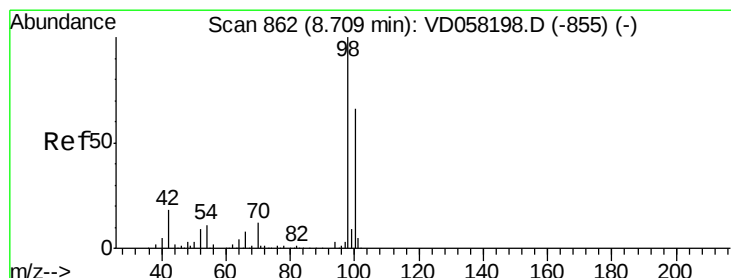
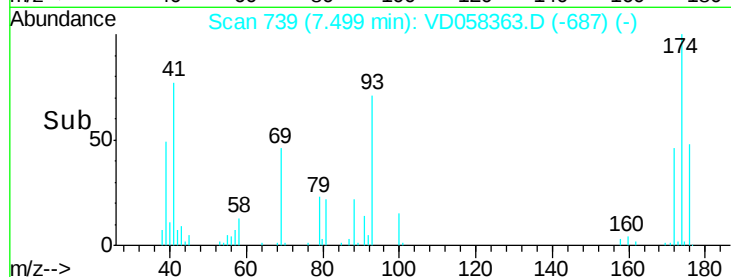
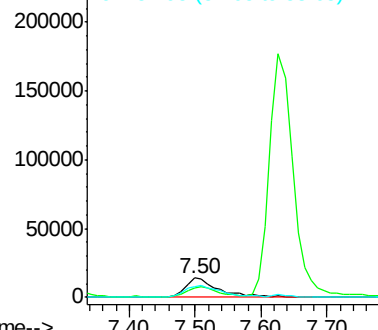
#49
1,4-Dioxane
Concen: 919.252 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 49945
Ion Ratio Lower Upper
88 100
43 46.2 34.2 51.2
58 57.8 47.9 71.9

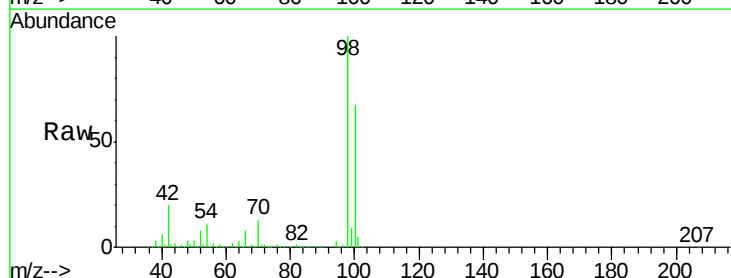


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

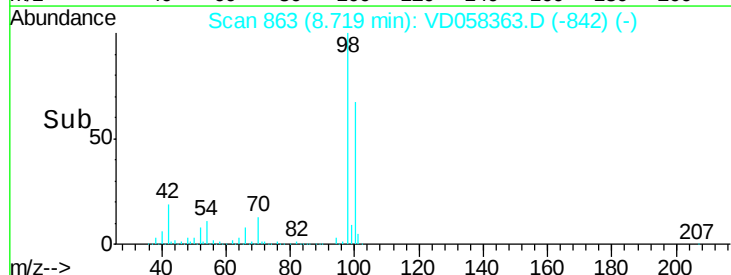
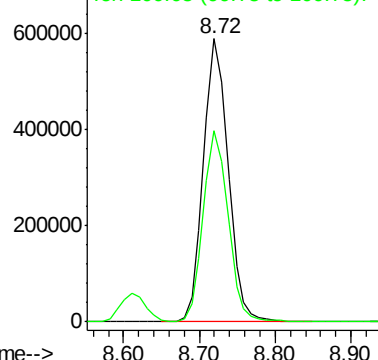


#50
Toluene-d8
Concen: 919.252 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 98 Resp: 1333990
Ion Ratio Lower Upper
98 100
100 67.5 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: 224.375 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

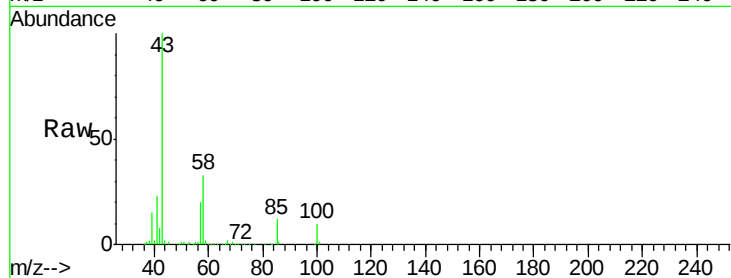
ClientSampleId :

Tot Ion: 43 Resp: 1449396

Ion Ratio Lower Upper

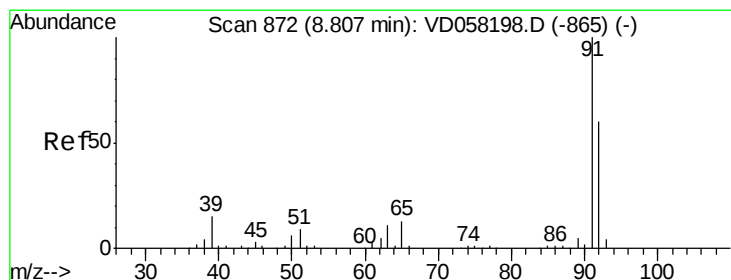
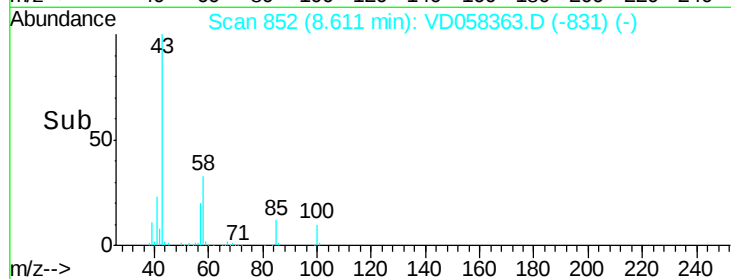
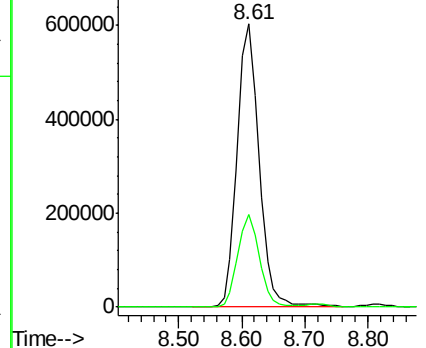
43 100

58 33.0 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.578 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058363.D

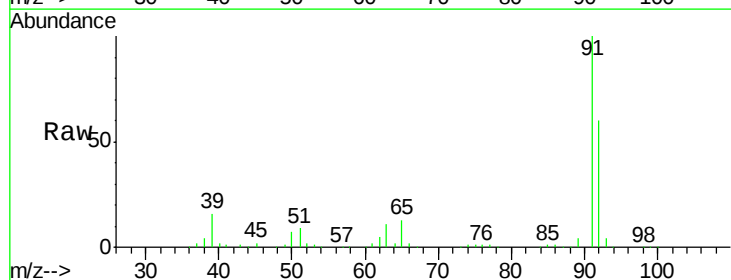
Acq: 24 Jun 2018 10:54

Tgt Ion: 92 Resp: 894419

Ion Ratio Lower Upper

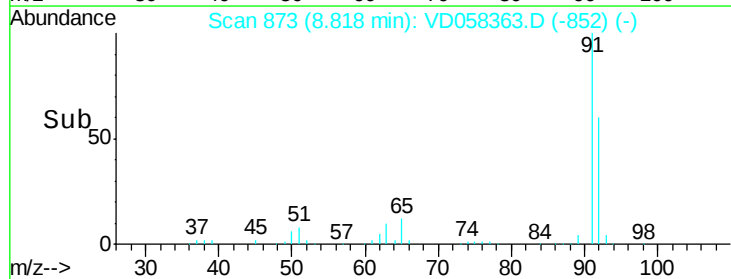
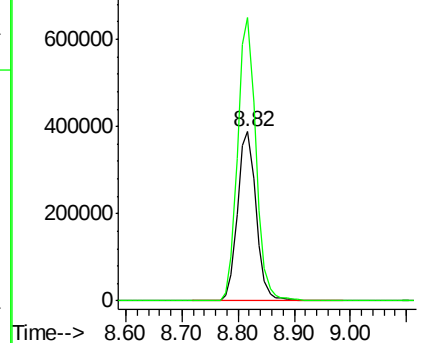
92 100

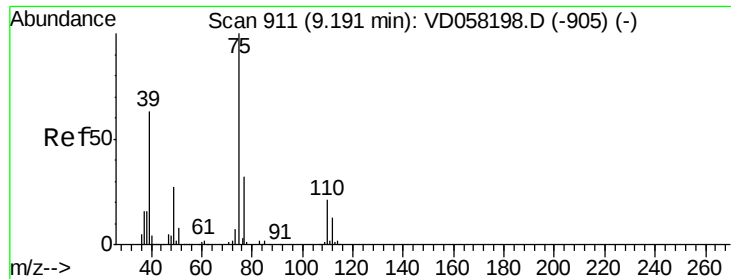
91 167.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.400 ug/l

RT: 9.20 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

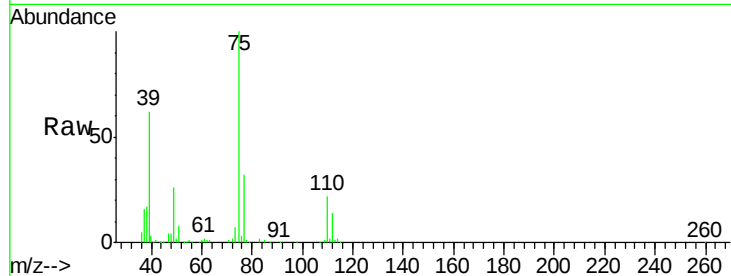
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 570532

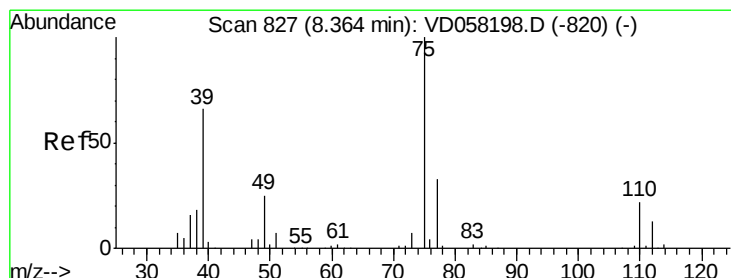
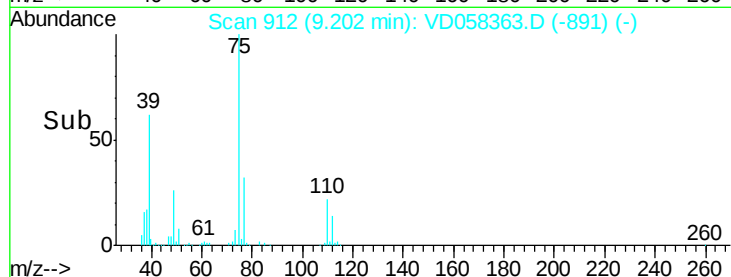
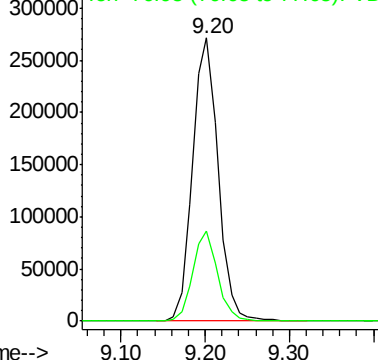
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



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



#54

cis-1,3-Dichloropropene

Concen: 50.956 ug/l

RT: 8.37 min Scan# 828

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

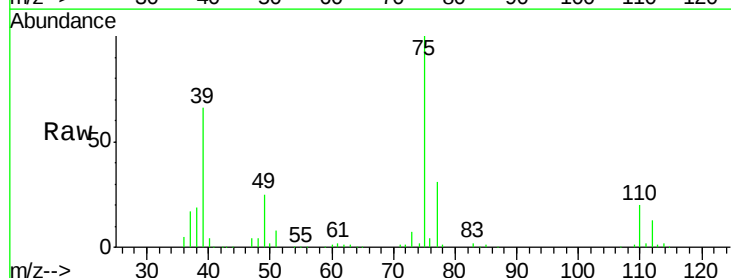
Tgt Ion: 75 Resp: 676256

Ion Ratio Lower Upper

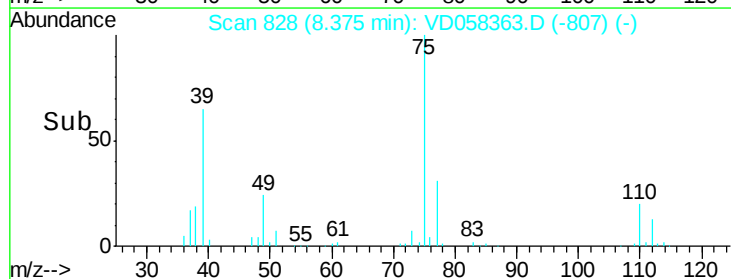
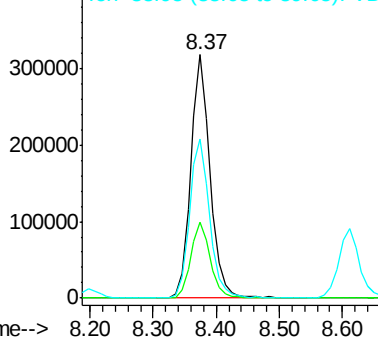
75 100

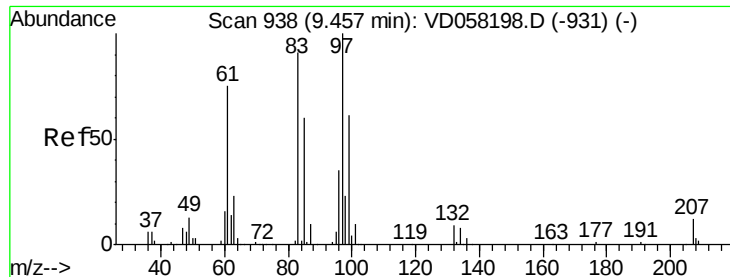
77 31.1 26.5 39.7

39 65.5 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





#55

1,1,2-Trichloroethane

Concen: 47.031 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 294255

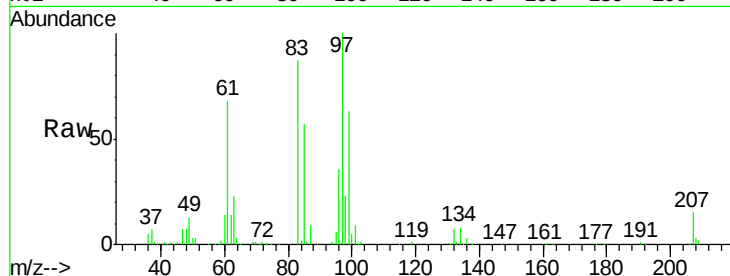
Ion Ratio Lower Upper

97 100

83 87.5 72.9 109.3

85 57.1 48.2 72.4

99 62.8 48.9 73.3

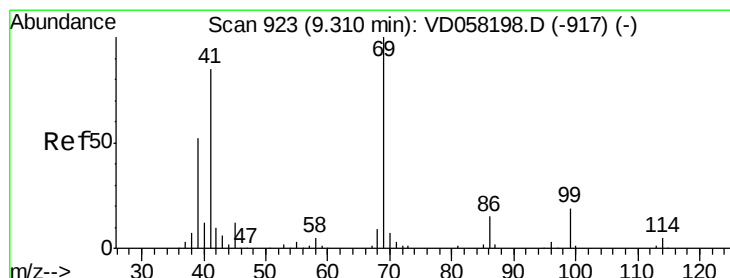
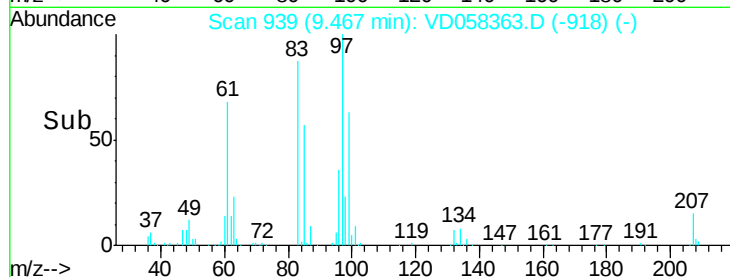
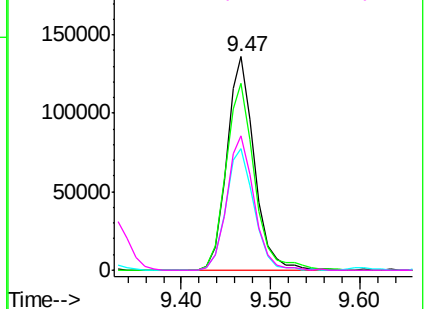


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 46.874 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

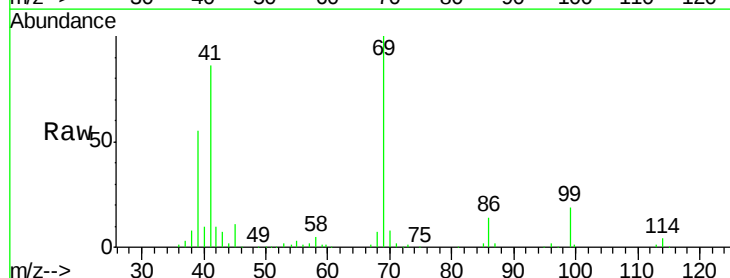
Tgt Ion: 69 Resp: 350734

Ion Ratio Lower Upper

69 100

41 85.7 67.6 101.4

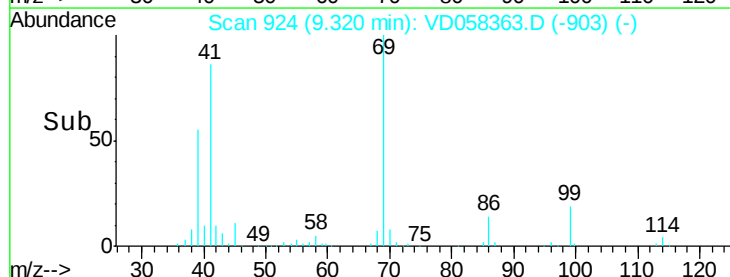
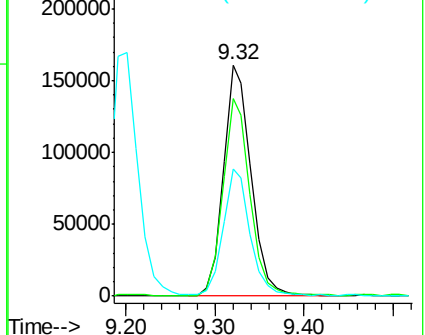
39 54.7 42.2 63.2

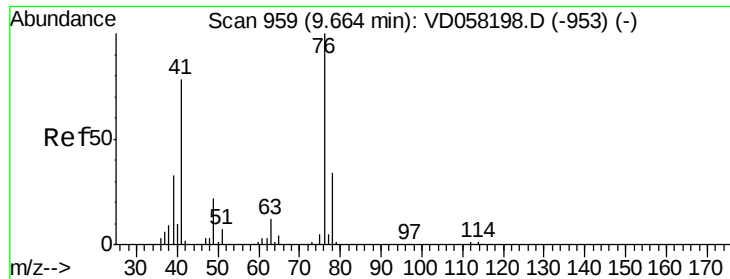


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 46.987 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

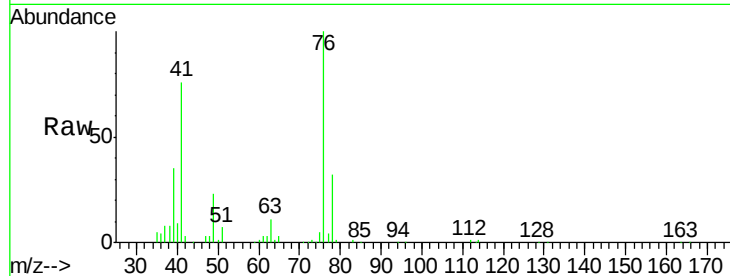
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 495197

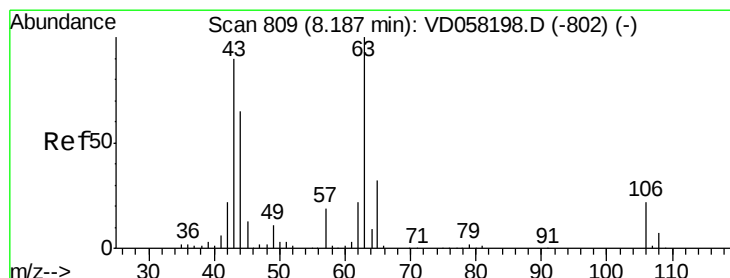
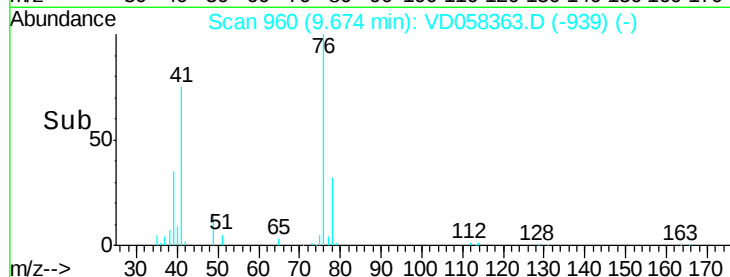
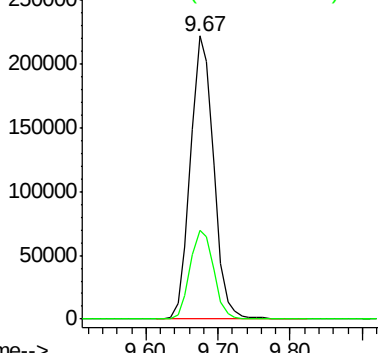
Ion Ratio Lower Upper

76 100

78 31.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 230.939 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058363.D

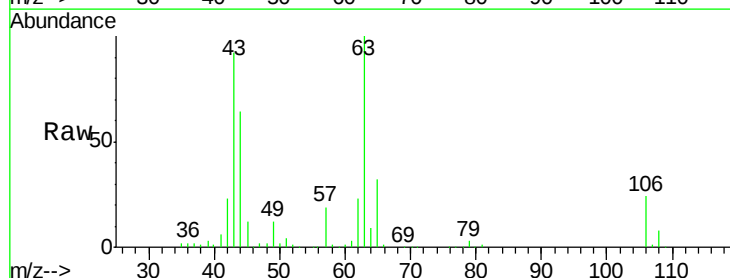
Acq: 24 Jun 2018 10:54

Tgt Ion: 63 Resp: 855458

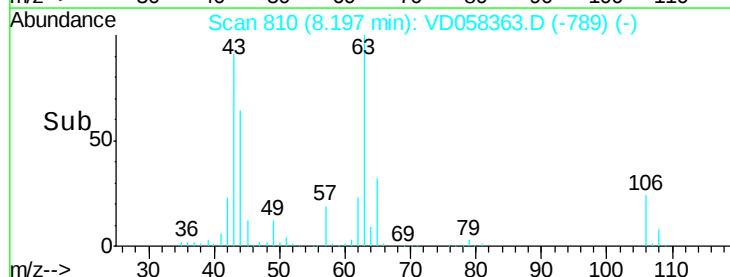
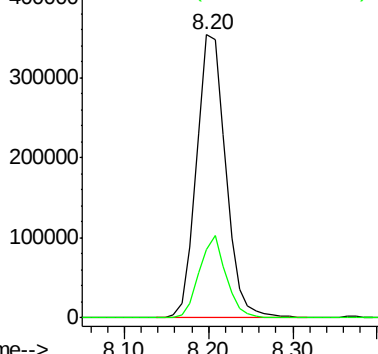
Ion Ratio Lower Upper

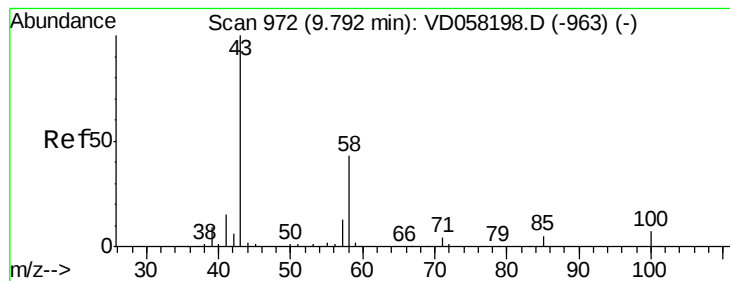
63 100

106 24.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 239.107 ug/l

RT: 9.80 min Scan# 973

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

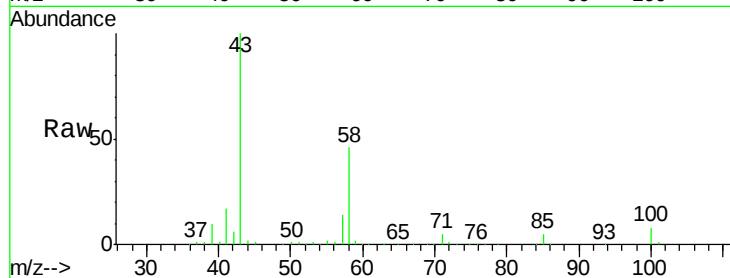
ClientSampled :

Tot Ion: 43 Resp: 1116070

Ion Ratio Lower Upper

43 100

58 45.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.80

500000

400000

300000

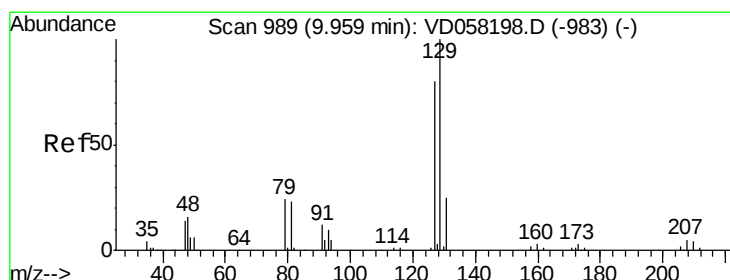
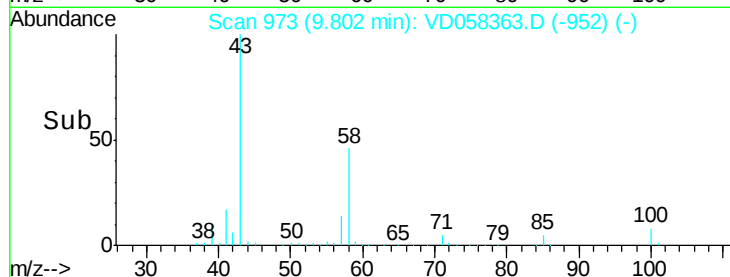
200000

100000

0

Time-->

9.70 9.80 9.90



#60

Dibromochloromethane

Concen: 52.654 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058363.D

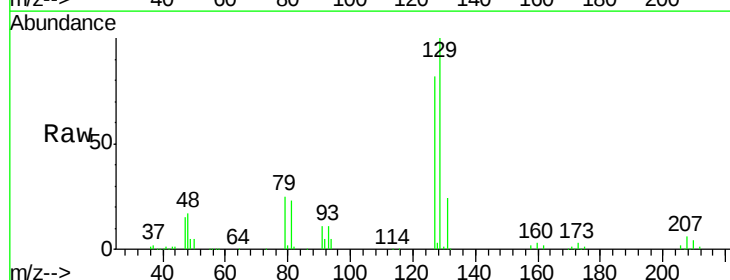
Acq: 24 Jun 2018 10:54

Tgt Ion: 129 Resp: 447083

Ion Ratio Lower Upper

129 100

127 81.6 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.97

250000

200000

150000

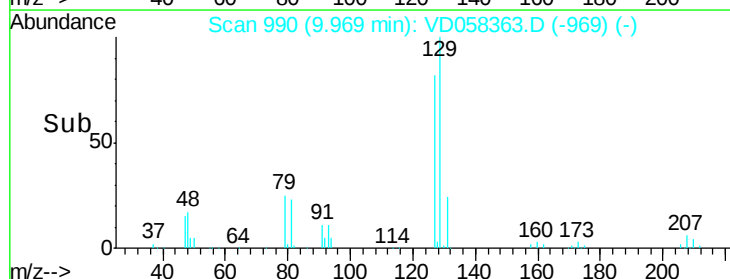
100000

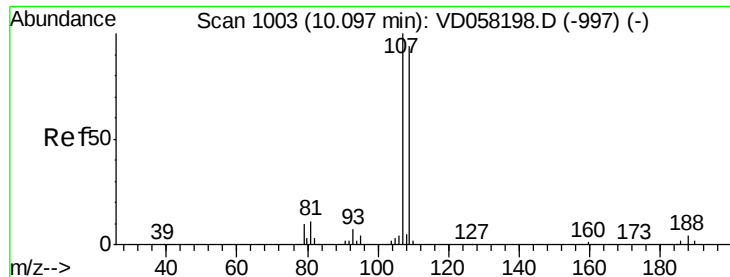
50000

0

Time-->

9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 47.852 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

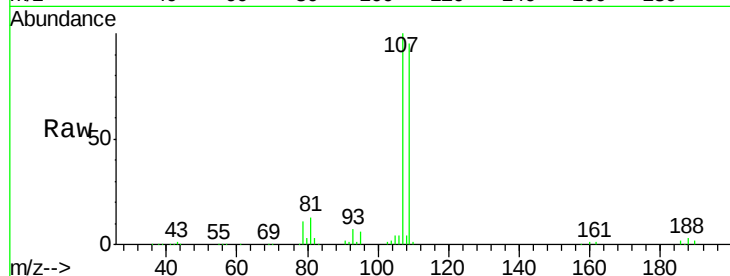
ClientSampleId :

Tot Ion: 107 Resp: 327685

Ion Ratio Lower Upper

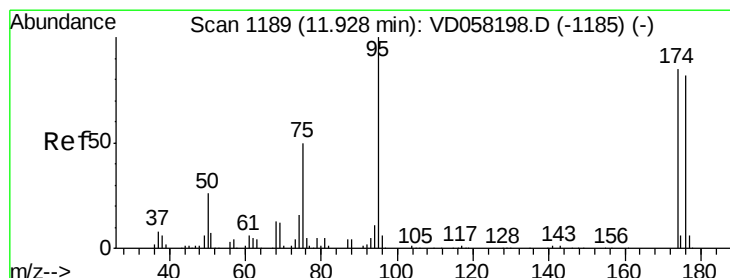
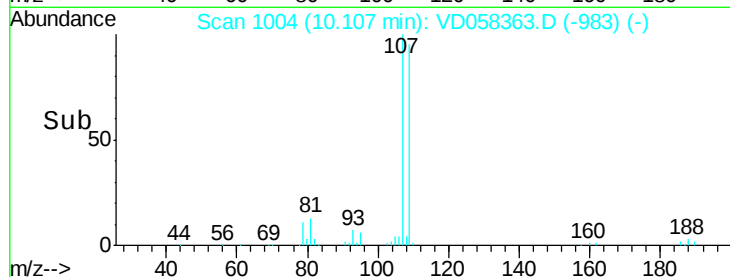
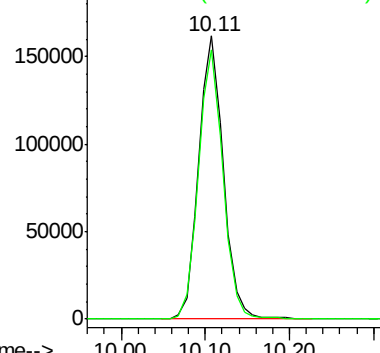
107 100

109 95.3 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: 47.852 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

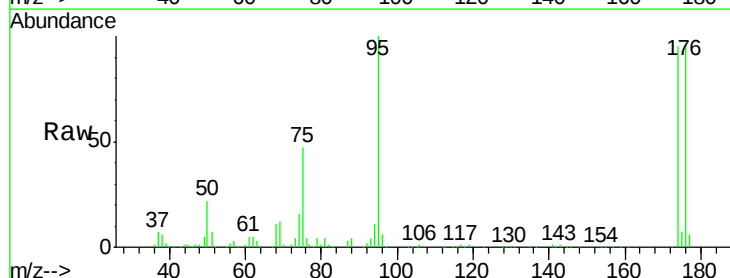
Tgt Ion: 95 Resp: 533357

Ion Ratio Lower Upper

95 100

174 95.2 0.0 170.2

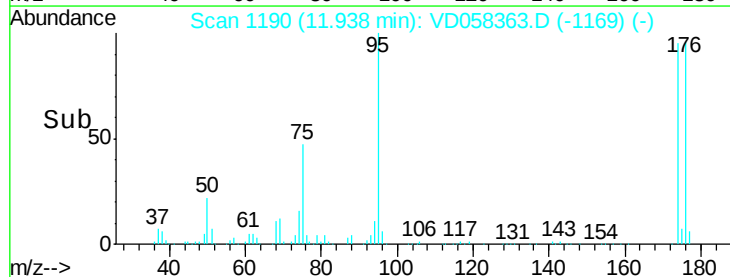
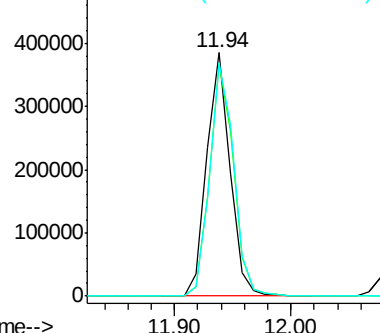
176 95.8 0.0 164.6

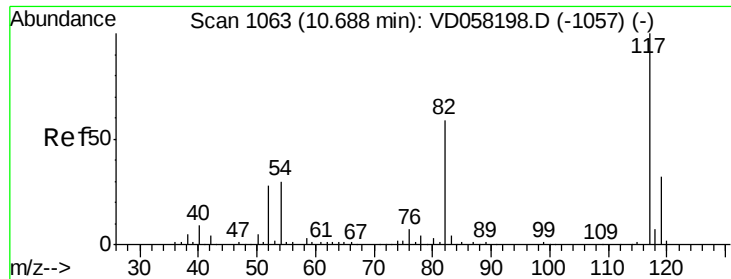


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

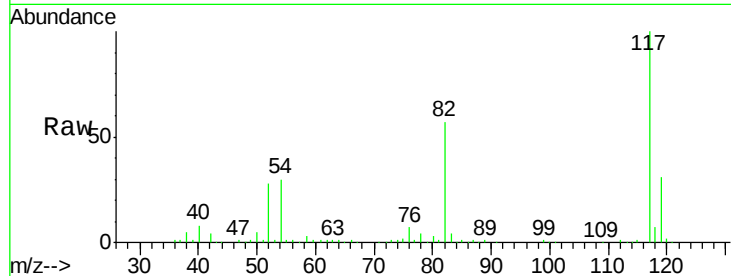




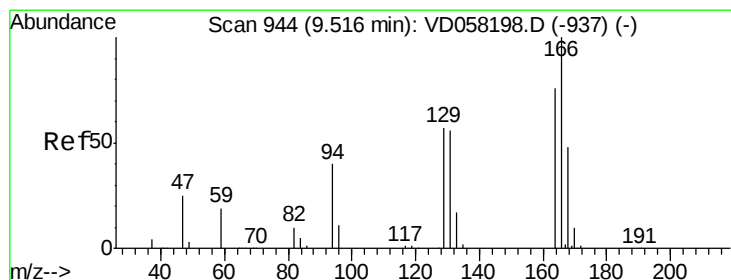
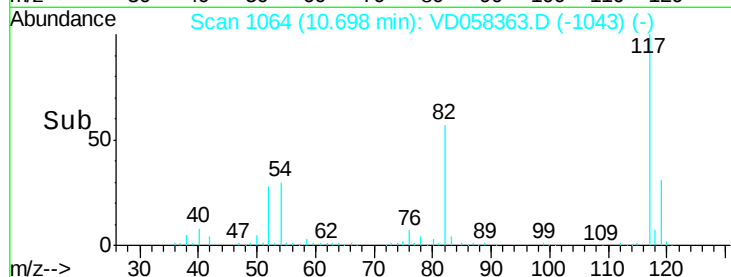
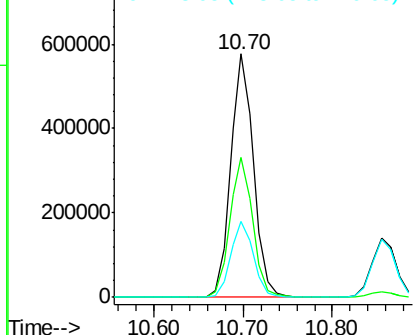
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1038141
Ion Ratio Lower Upper
117 100
82 57.3 47.0 70.6
119 31.3 25.3 37.9



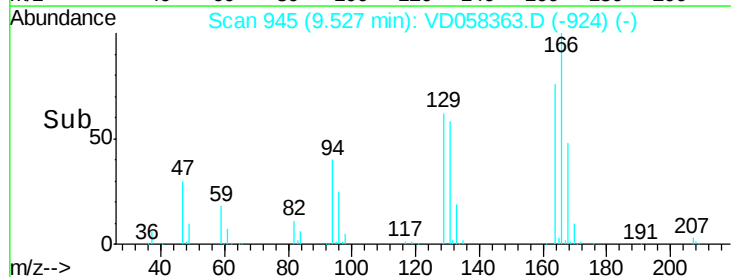
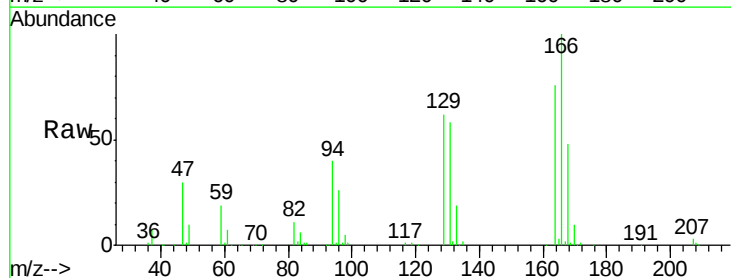
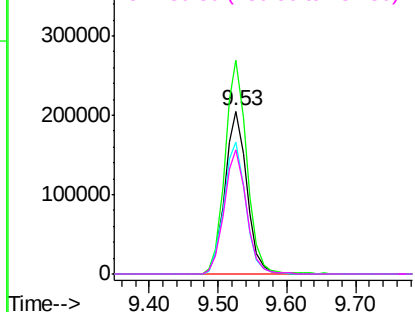
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

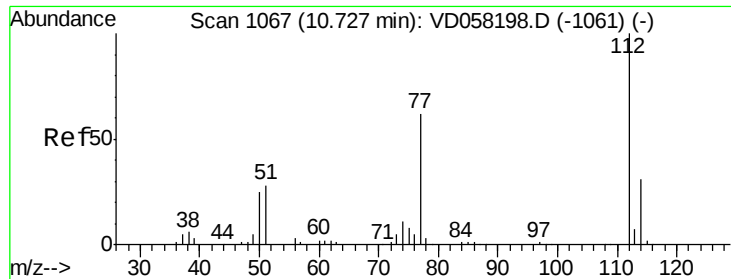


#64
Tetrachloroethene
Concen: 51.526 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:164 Resp: 450087
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 80.6 59.6 89.4
131 76.3 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

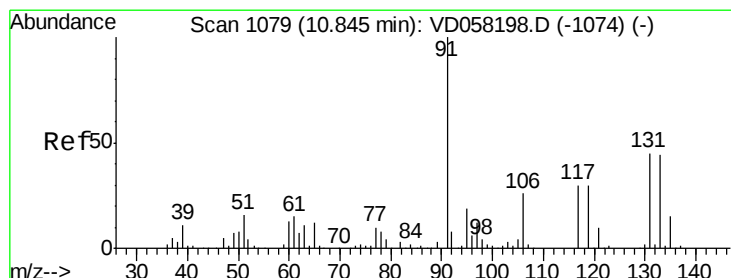
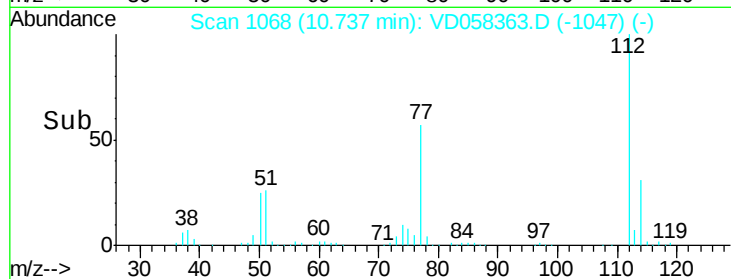
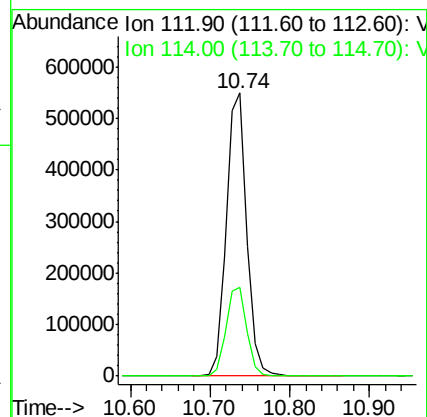
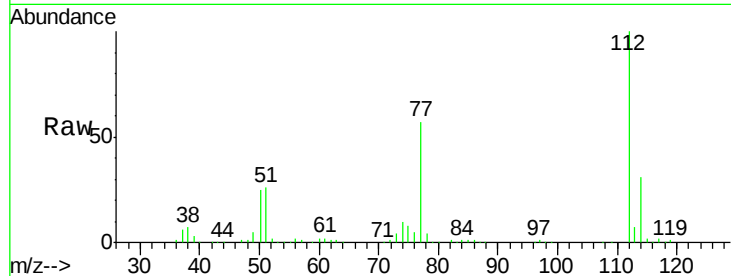




#65
Chlorobenzene
Concen: 51.314 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

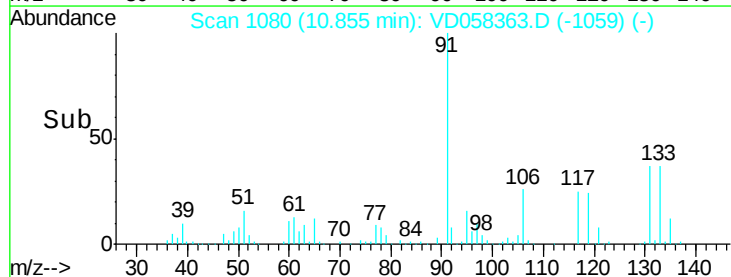
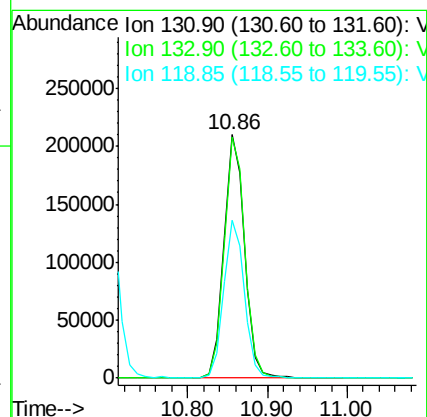
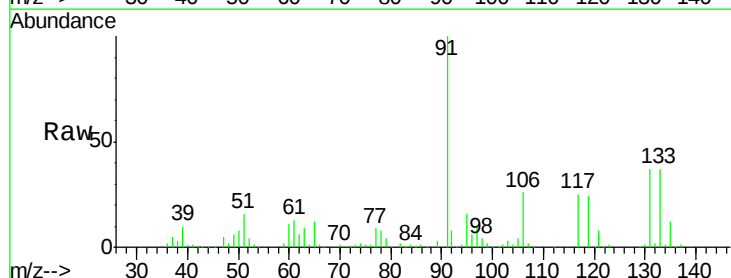
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 996454
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.344 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:131 Resp: 384770
Ion Ratio Lower Upper
131 100
133 98.8 48.6 145.9
119 64.9 33.0 99.0

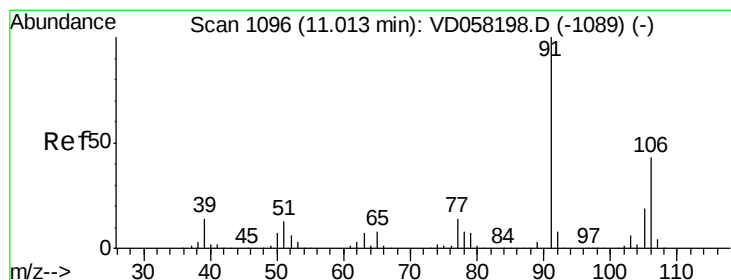
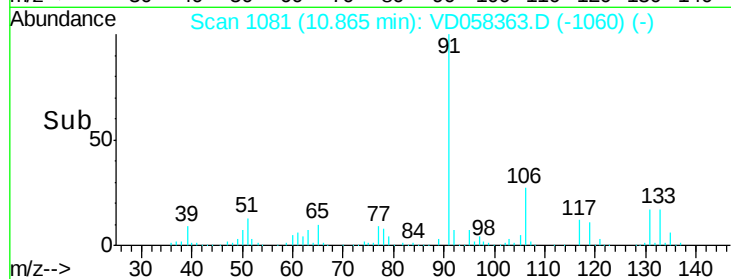
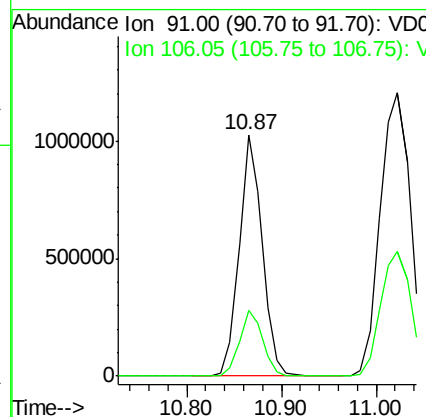
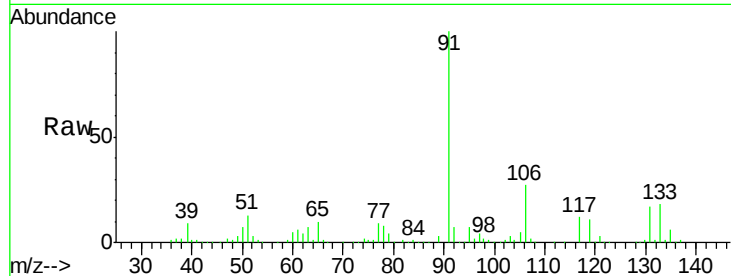




#67
Ethyl Benzene
Concen: 50.393 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

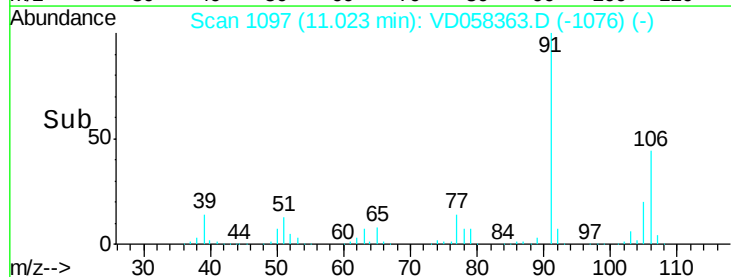
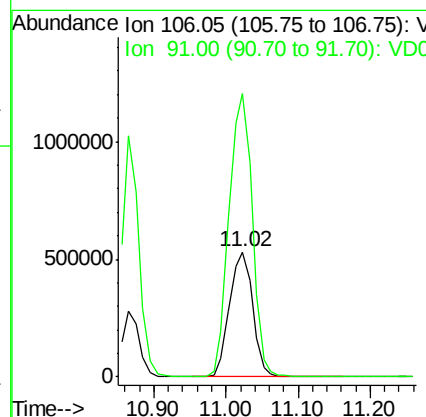
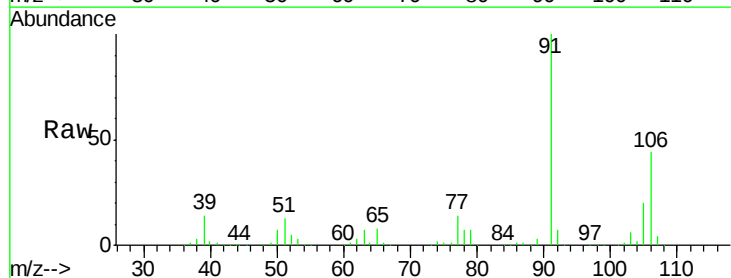
Instrument :
MSVOA_D
ClientSampled :

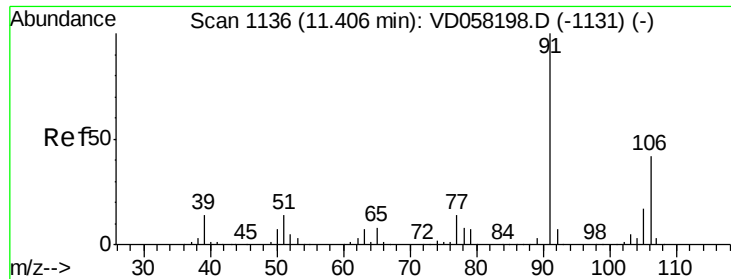
Tot Ion: 91 Resp: 1727627
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 103.084 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 106 Resp: 1178521
Ion Ratio Lower Upper
106 100
91 226.2 185.0 277.6

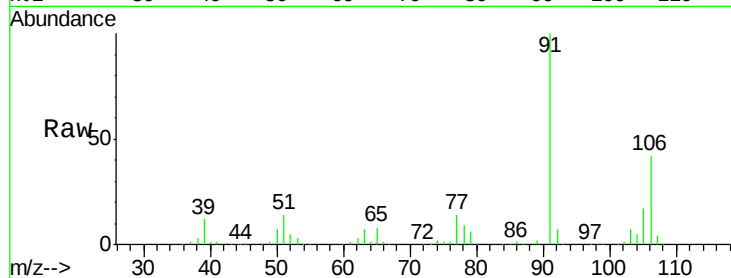




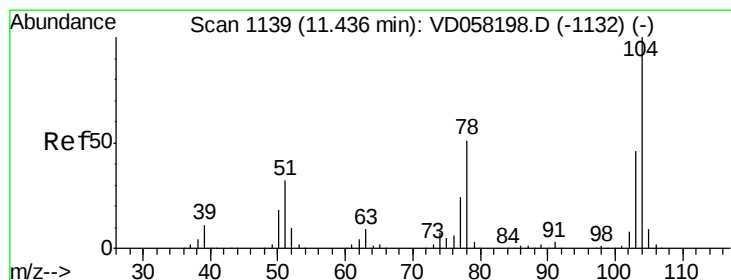
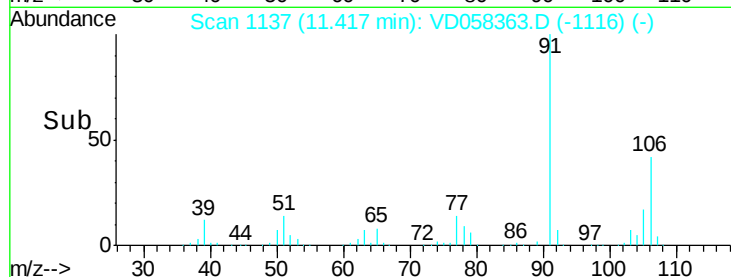
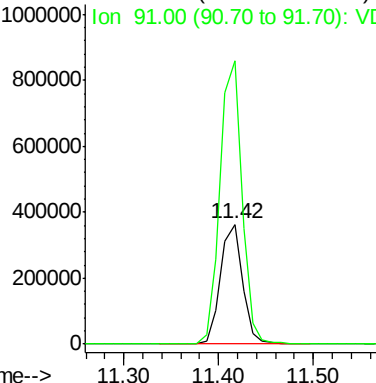
#69
o-Xylene
Concen: 53.631 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 585614
Ion Ratio Lower Upper
106 100
91 236.7 120.2 360.6

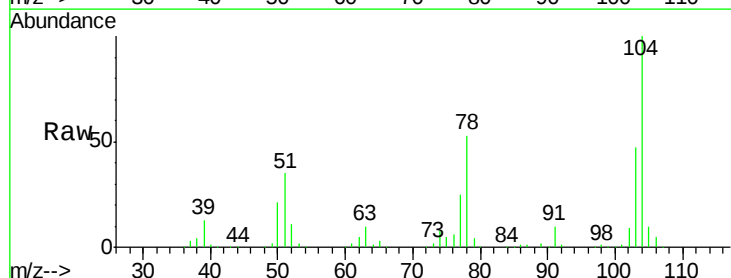


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

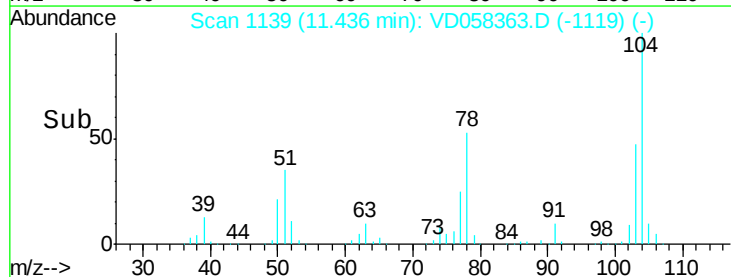
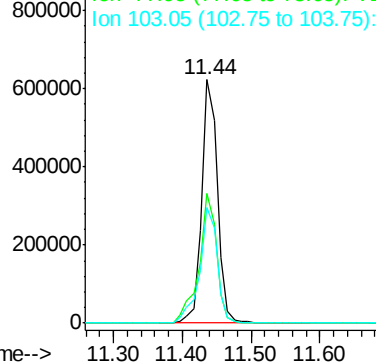


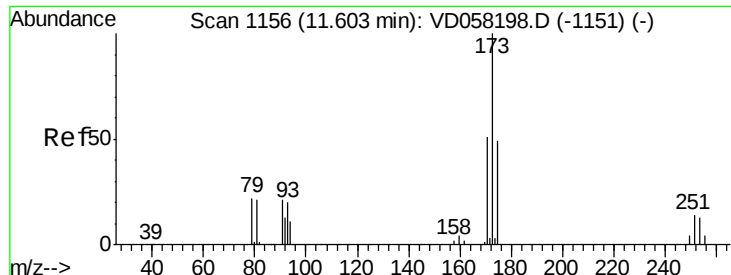
#70
Styrene
Concen: 52.805 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:104 Resp: 983920
Ion Ratio Lower Upper
104 100
78 53.2 40.8 61.2
103 47.3 37.0 55.6



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

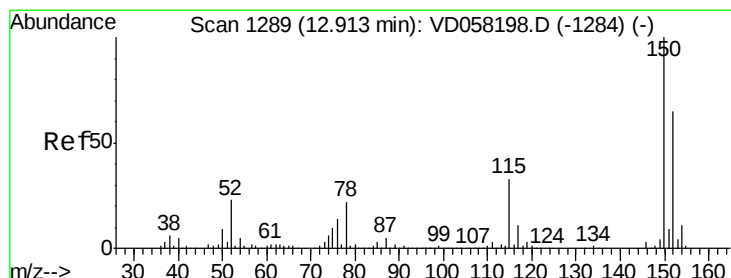
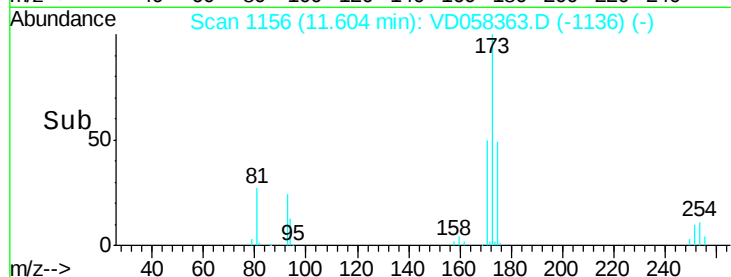
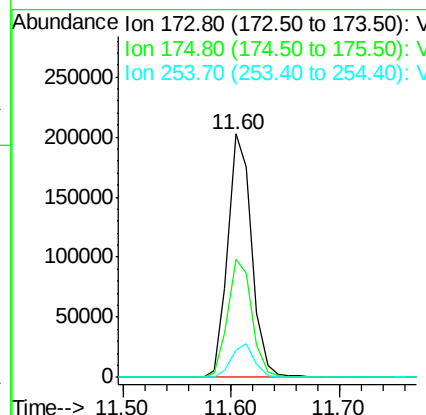
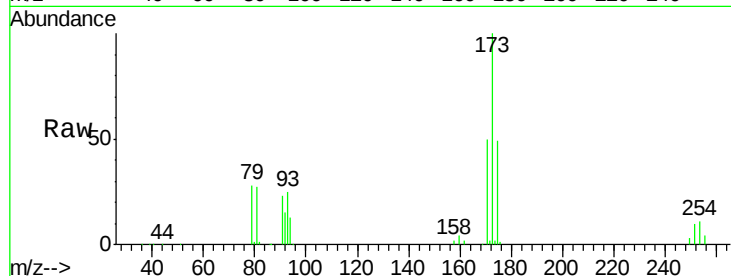




#71
Bromoform
Concen: 52.113 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

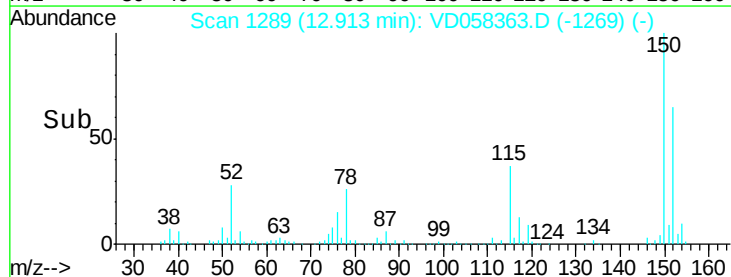
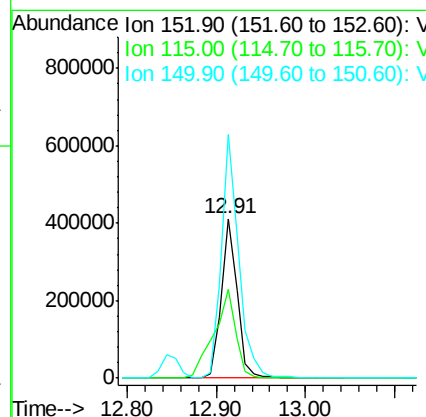
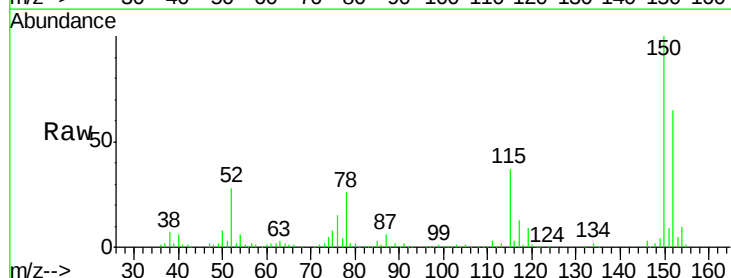
Instrument :
MSVOA_D
ClientSampled :

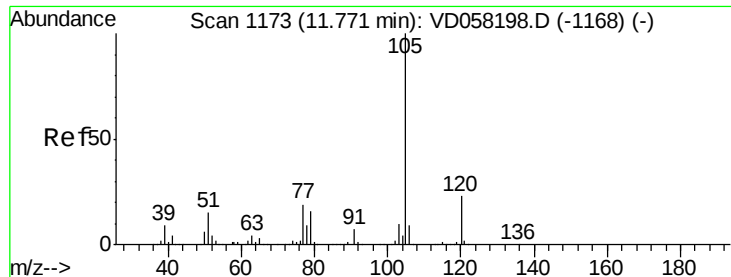
Tot Ion:173 Resp: 311538
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 11.5 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:152 Resp: 511290
Ion Ratio Lower Upper
152 100
115 56.1 25.1 75.3
150 152.8 0.0 308.8





#73

Isopropylbenzene

Concen: 52.061 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

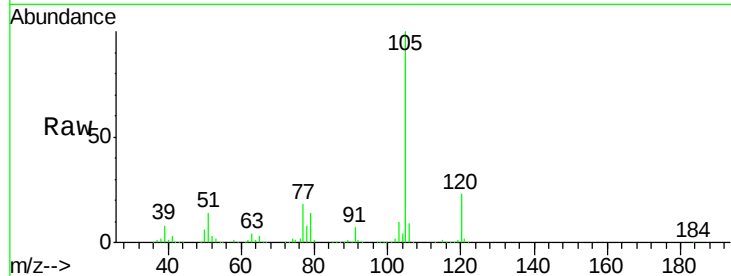
ClientSampleId :

Tot Ion:105 Resp: 1592172

Ion Ratio Lower Upper

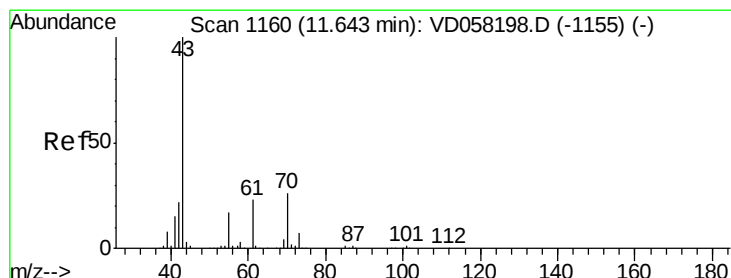
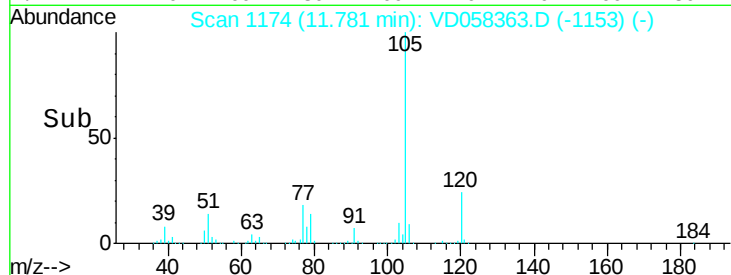
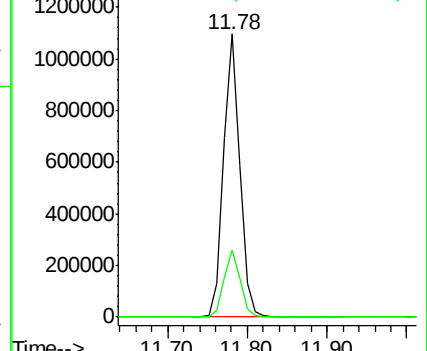
105 100

120 23.5 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: 45.619 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 539446

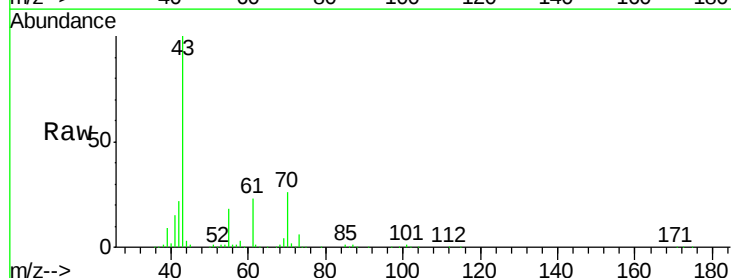
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 17.9 13.5 20.3

61 23.0 18.2 27.2

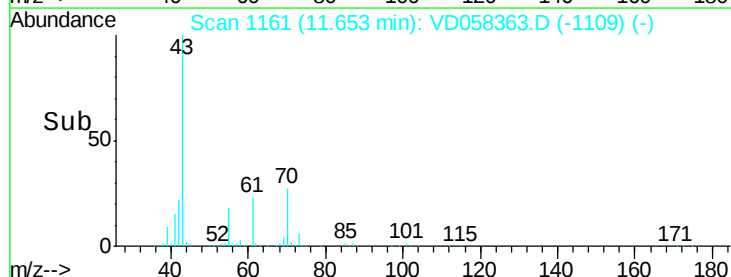
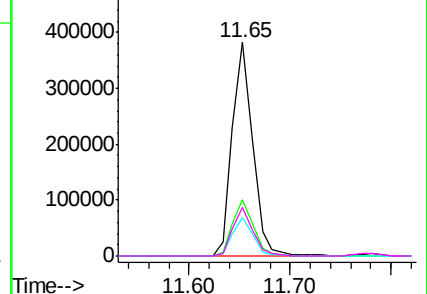


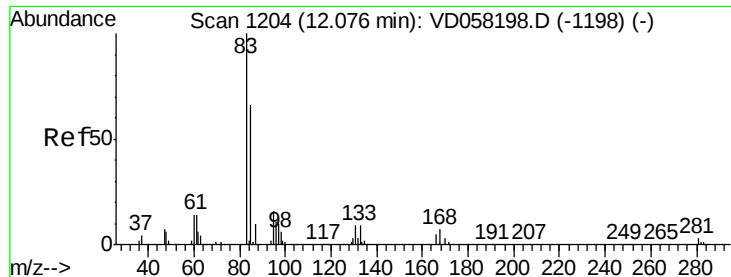
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.444 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

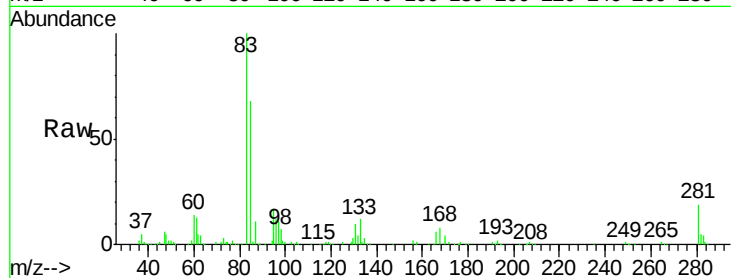
Tot Ion: 83 Resp: 344776

Ion Ratio Lower Upper

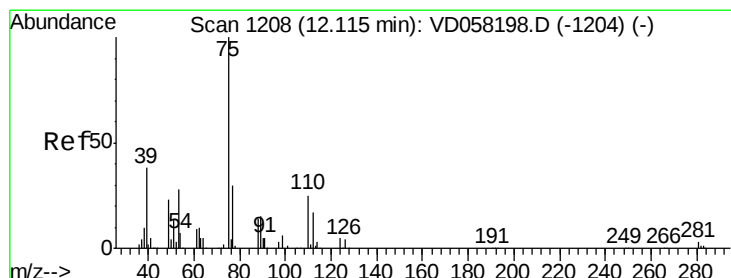
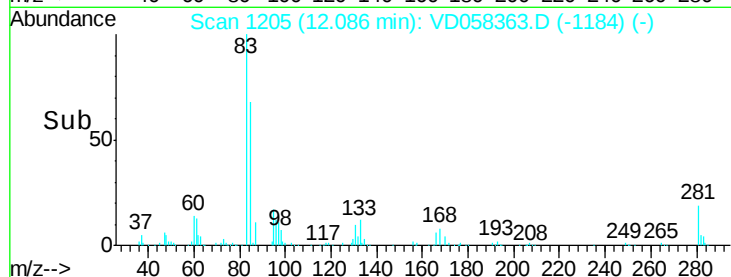
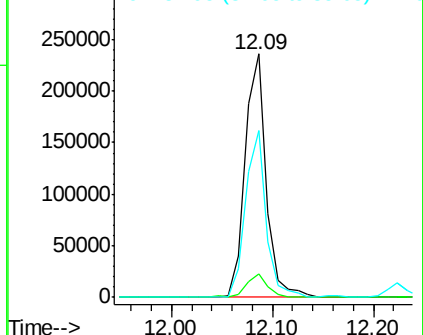
83 100

131 9.7 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: 48.203 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058363.D

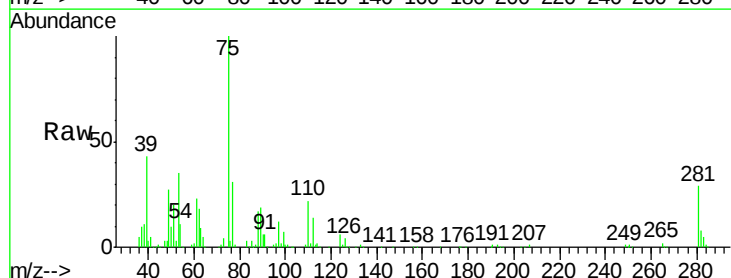
Acq: 24 Jun 2018 10:54

Tgt Ion: 75 Resp: 359832

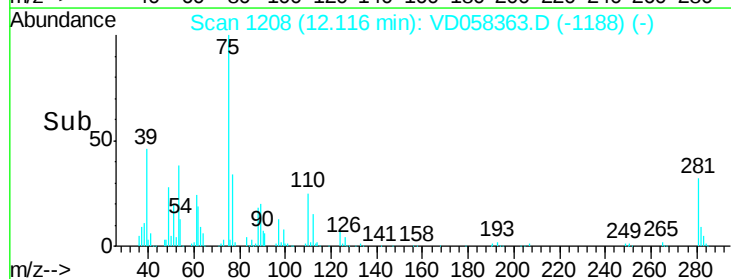
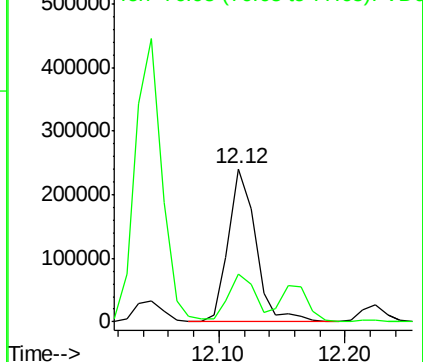
Ion Ratio Lower Upper

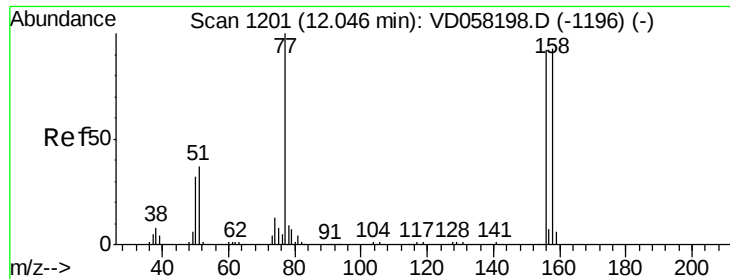
75 100

77 31.4 16.0 47.9



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

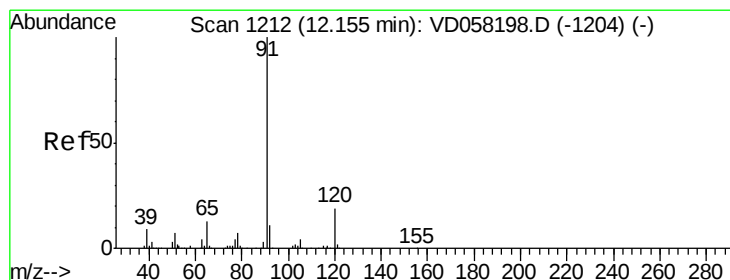
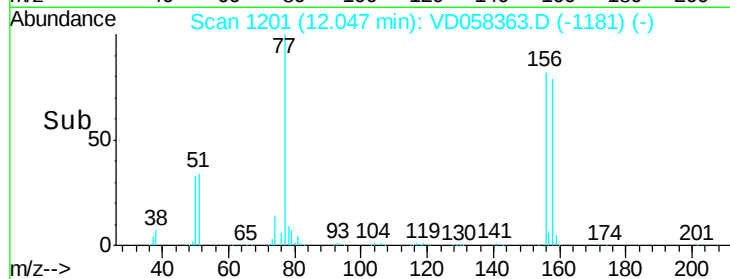
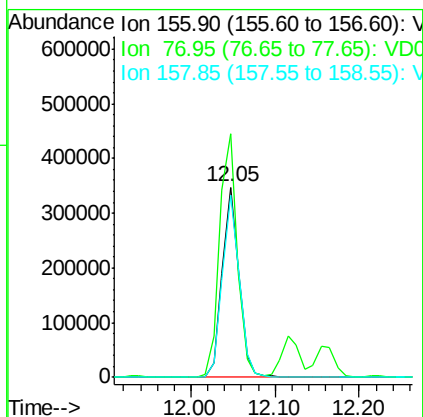
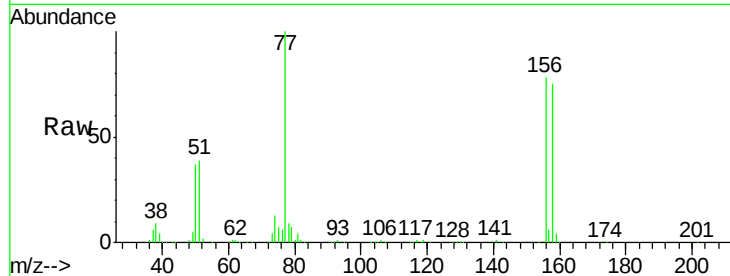




#77
Bromobenzene
Concen: 52.777 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

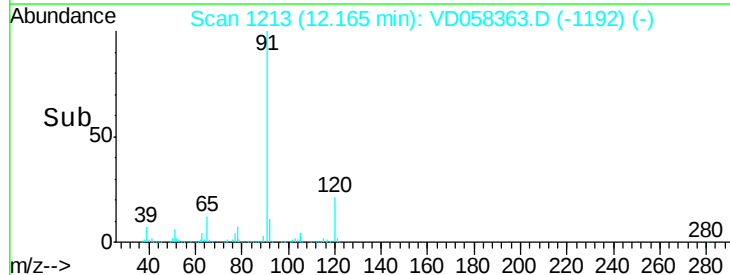
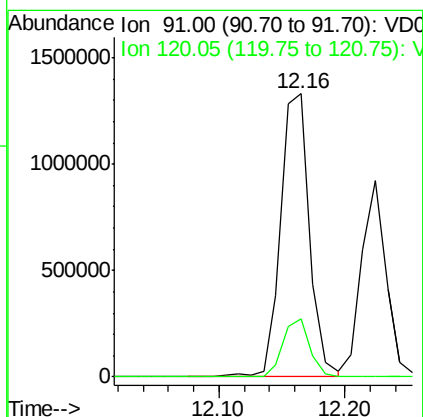
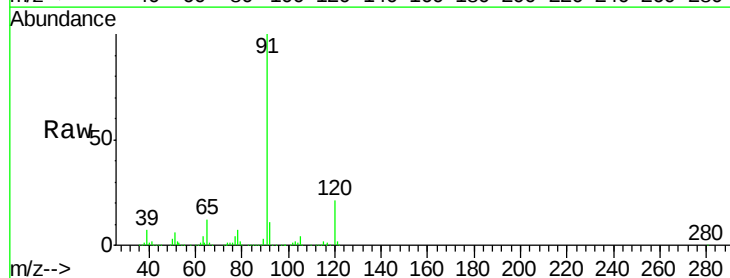
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 483323
Ion Ratio Lower Upper
156 100
77 128.2 54.5 163.6
158 95.9 50.8 152.5



#78
n-propylbenzene
Concen: 53.557 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 91 Resp: 2115175
Ion Ratio Lower Upper
91 100
120 20.5 9.7 29.1

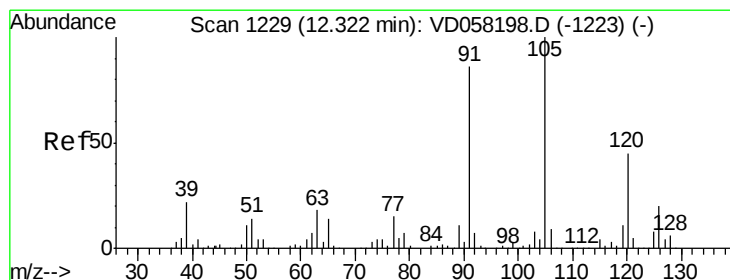
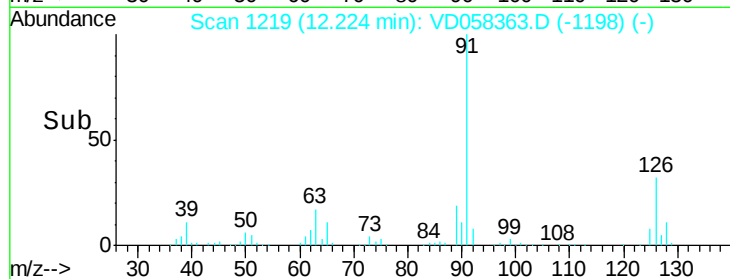
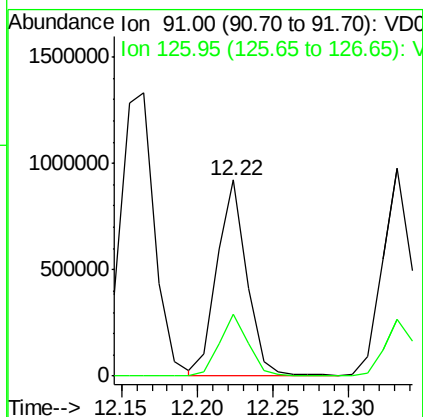
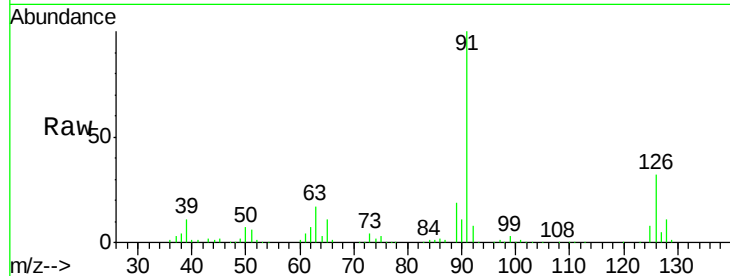




#79
 2-Chlorotoluene
 Concen: 55.138 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

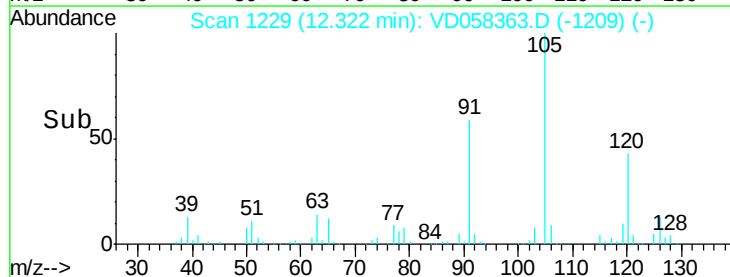
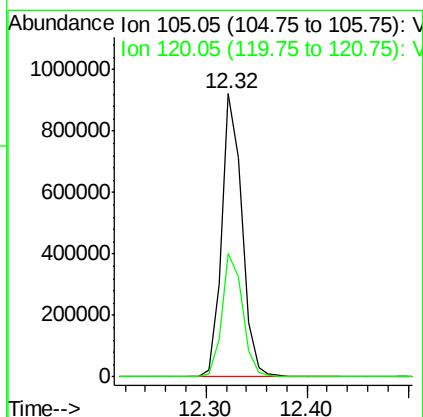
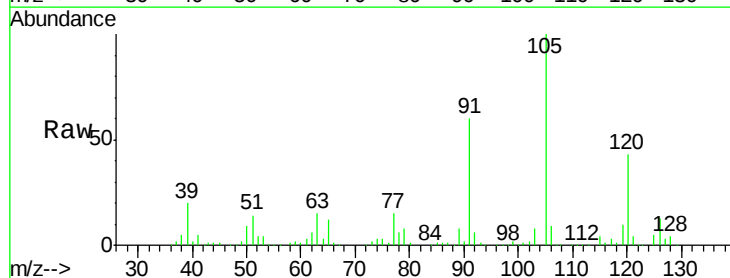
Instrument :
 MSVOA_D
 ClientSampleId :

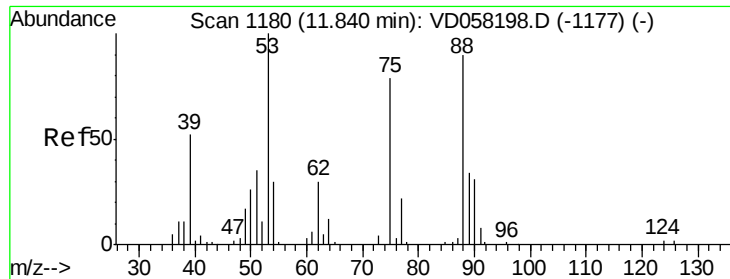
Tot Ion: 91 Resp: 1246123
 Ion Ratio Lower Upper
 91 100
 126 31.9 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 54.095 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 105 Resp: 1290364
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.247 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampled :

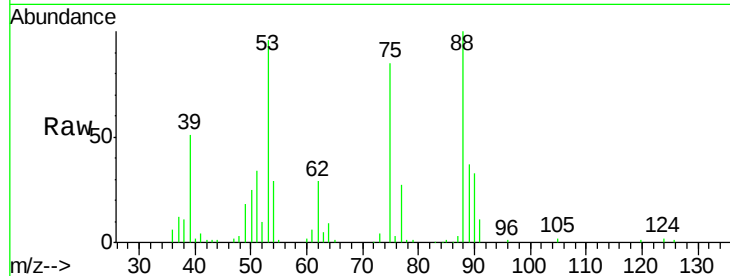
Tot Ion: 75 Resp: 91482

Ion Ratio Lower Upper

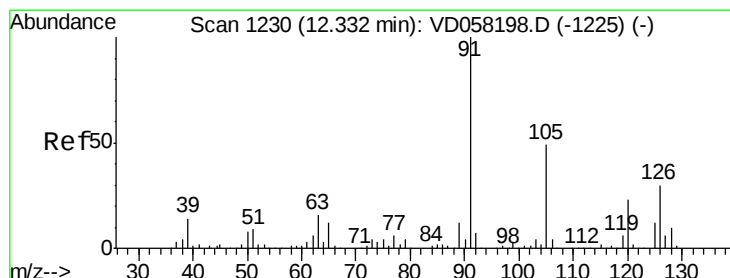
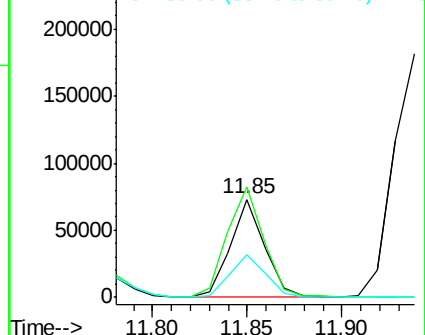
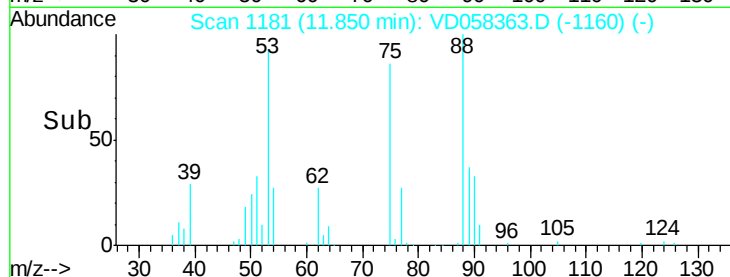
75 100

53 112.8 100.8 151.2

89 43.0 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: 61.282 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058363.D

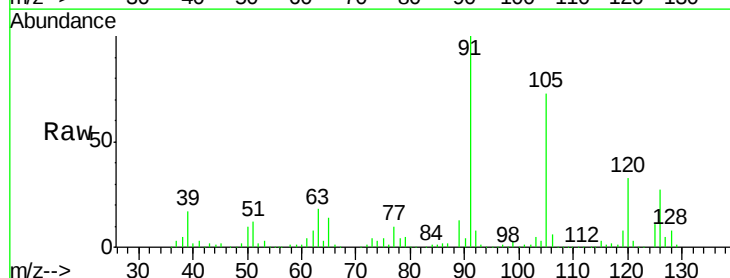
Acq: 24 Jun 2018 10:54

Tgt Ion: 91 Resp: 1322721

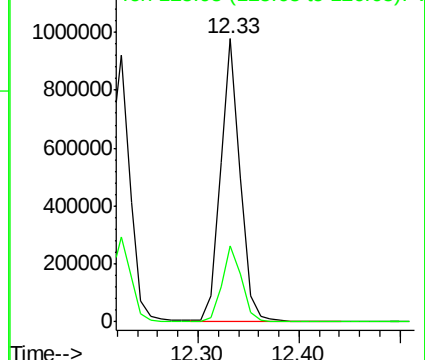
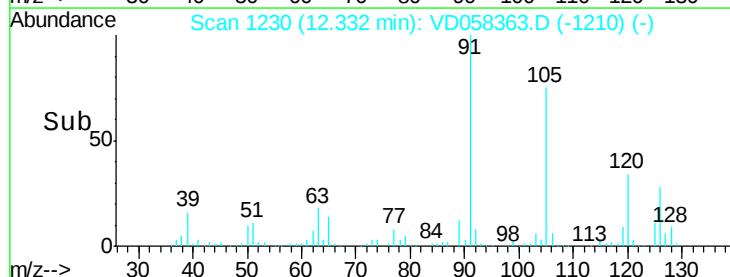
Ion Ratio Lower Upper

91 100

126 27.1 14.9 44.9



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

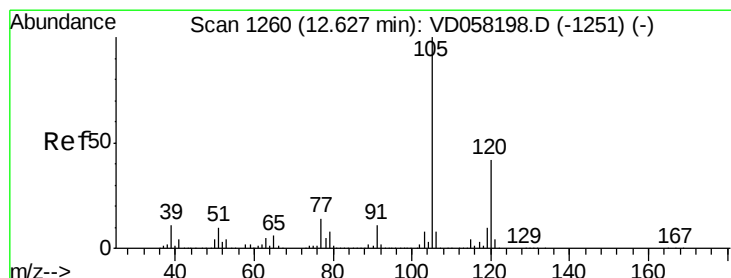
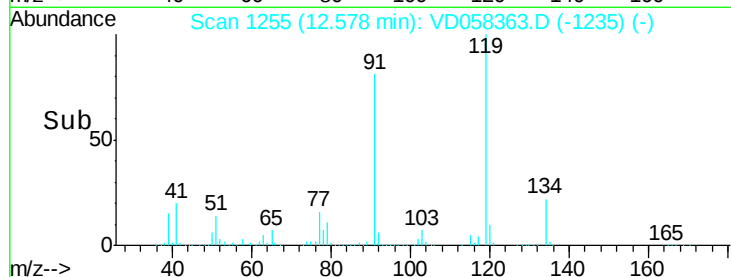
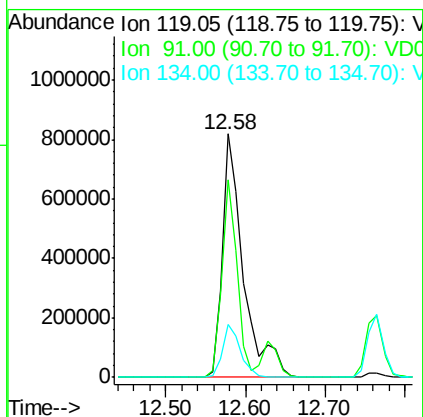
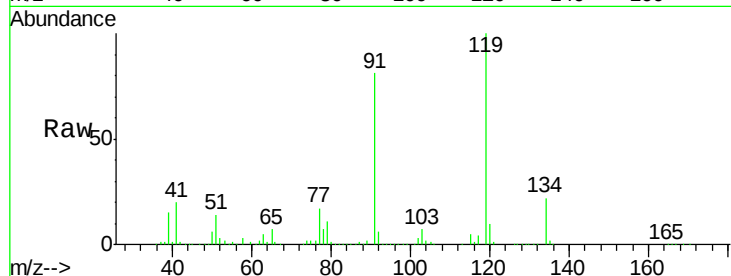




#83
tert-Butylbenzene
Concen: 55.449 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

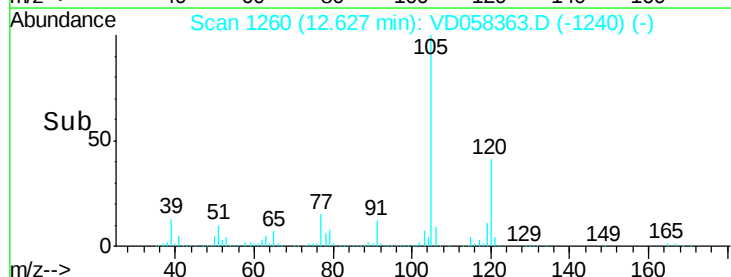
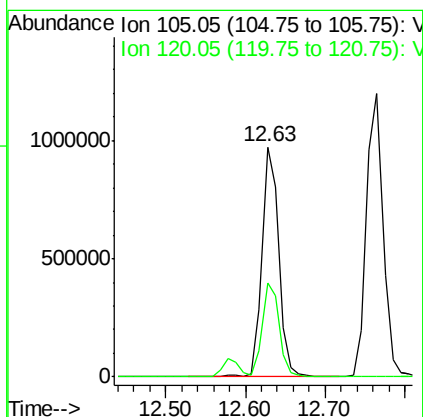
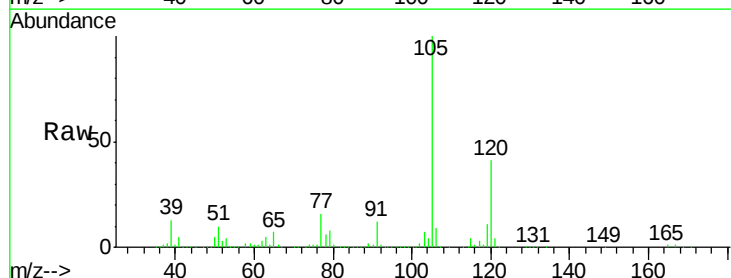
Instrument :
MSVOA_D
ClientSampled :

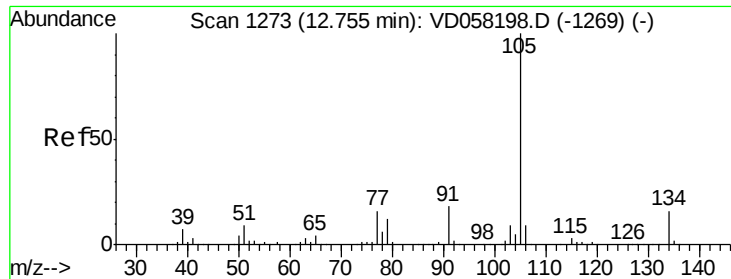
Tot Ion:119 Resp: 1520643
Ion Ratio Lower Upper
119 100
91 81.3 38.9 116.6
134 21.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 53.760 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:105 Resp: 1393958
Ion Ratio Lower Upper
105 100
120 41.0 20.8 62.4

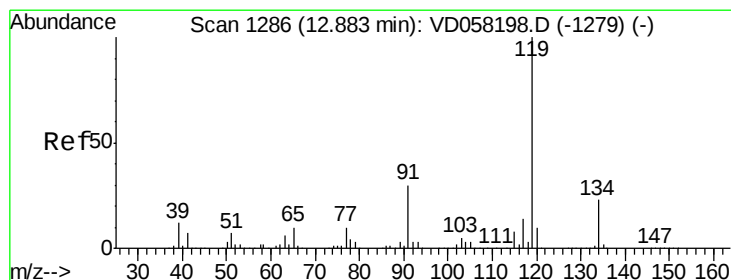
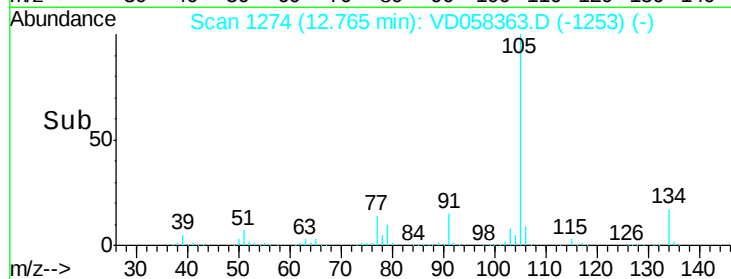
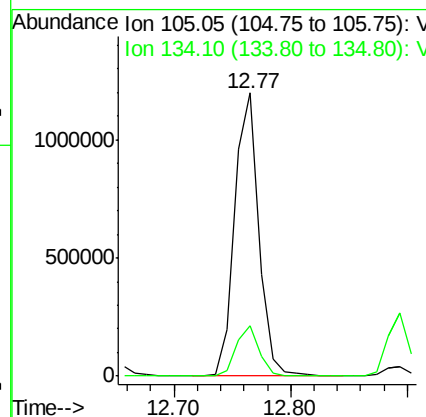
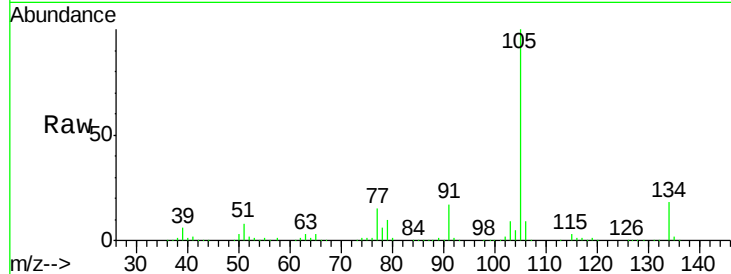




#85
 sec-Butylbenzene
 Concen: 53.169 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

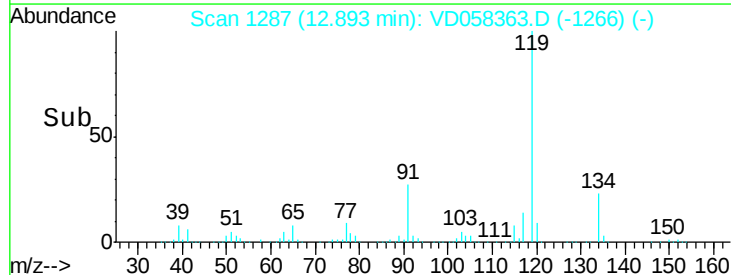
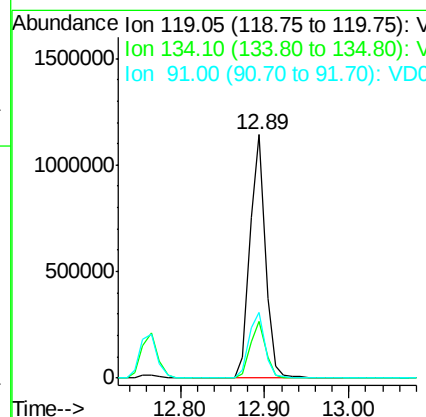
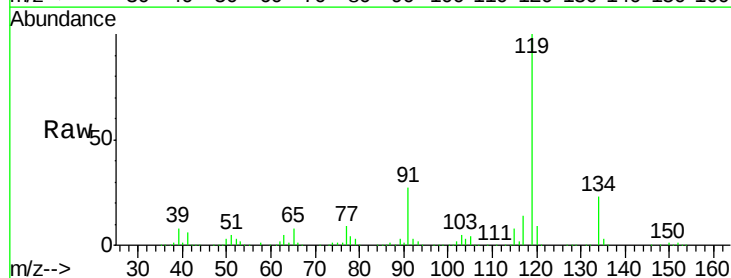
Instrument :
 MSVOA_D
 ClientSampleId :

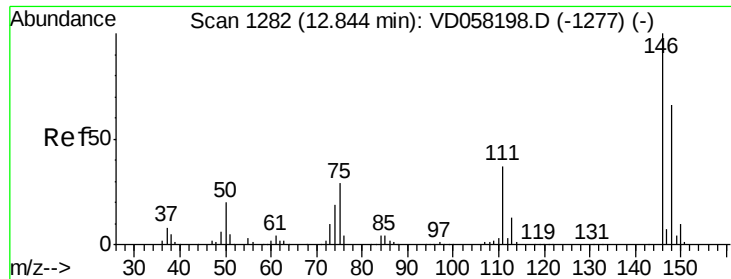
Tot Ion:105 Resp: 1709129
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 55.862 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion:119 Resp: 1455183
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.6 34.8
 91 27.0 15.0 45.1

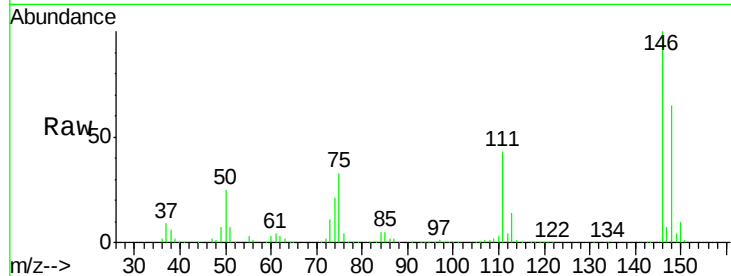




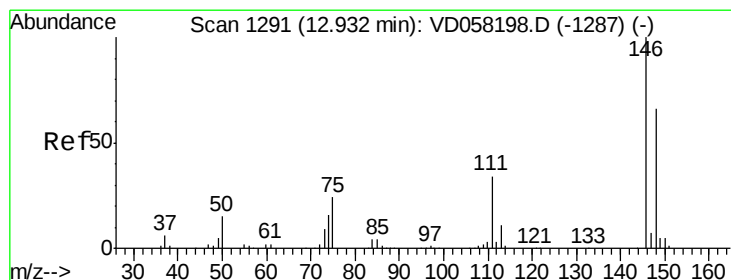
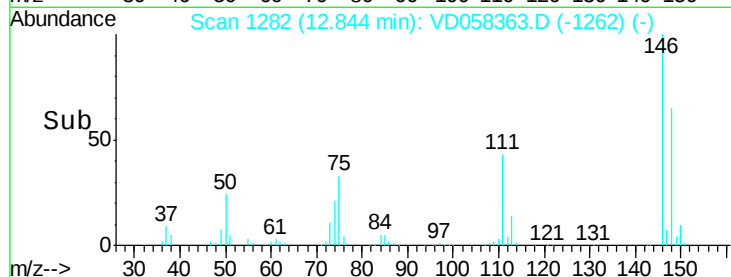
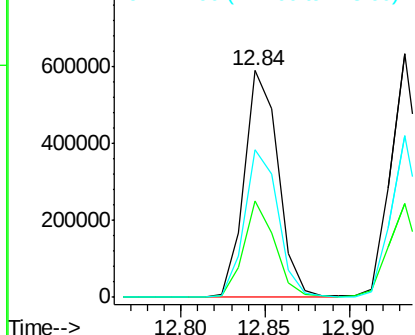
#87
 1,3-Dichlorobenzene
 Concen: 51.733 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 823454
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.4 55.0
 148 65.1 32.8 98.4

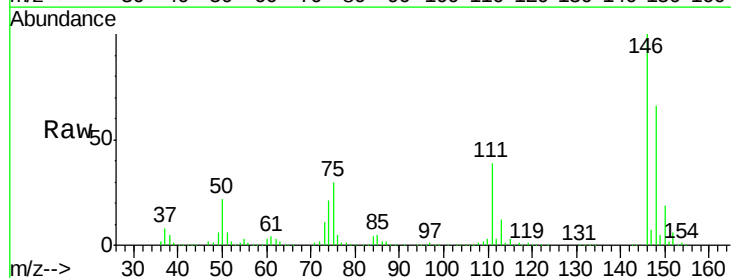


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

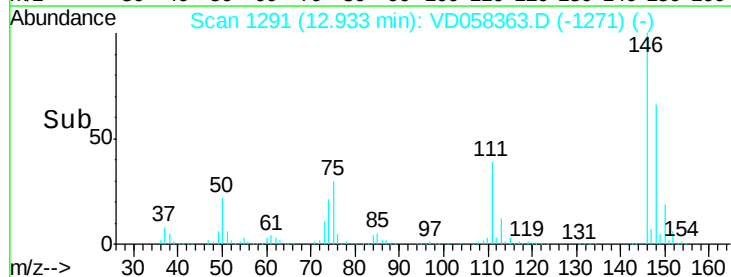
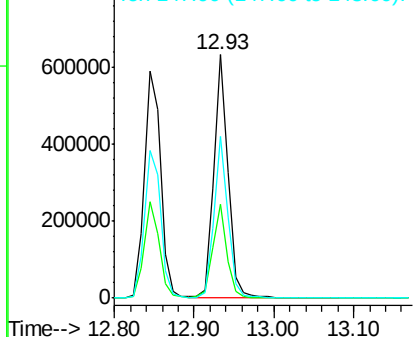


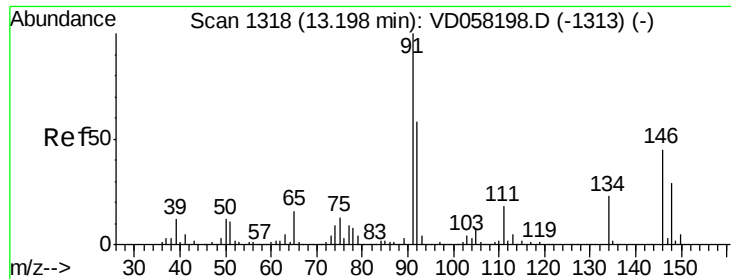
#88
 1,4-Dichlorobenzene
 Concen: 51.278 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion:146 Resp: 797051
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.2 51.5
 148 66.4 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

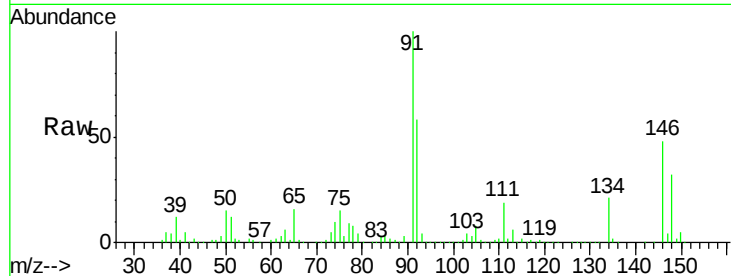




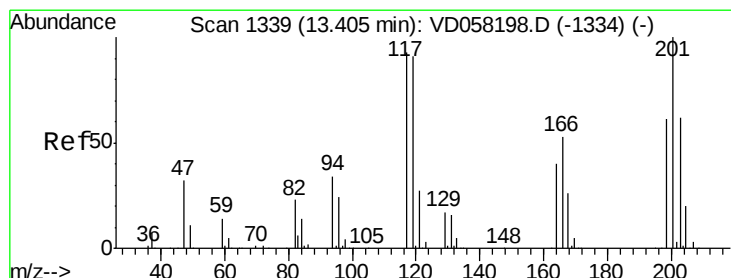
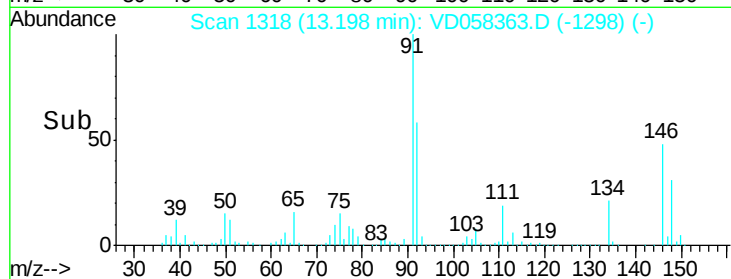
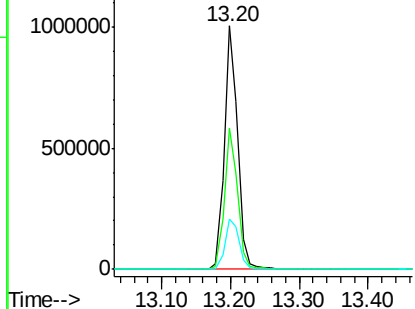
#89
n-Butylbenzene
Concen: 48.752 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1334708
Ion Ratio Lower Upper
91 100
92 58.0 29.2 87.6
134 20.8 11.3 33.8

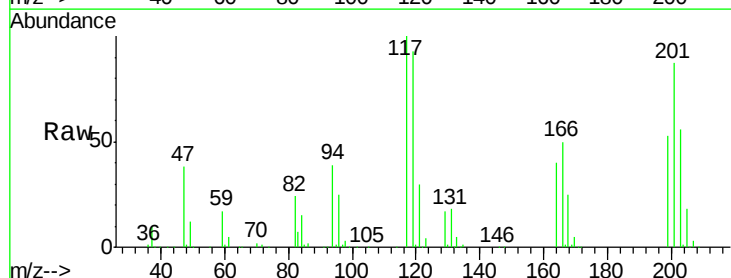


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

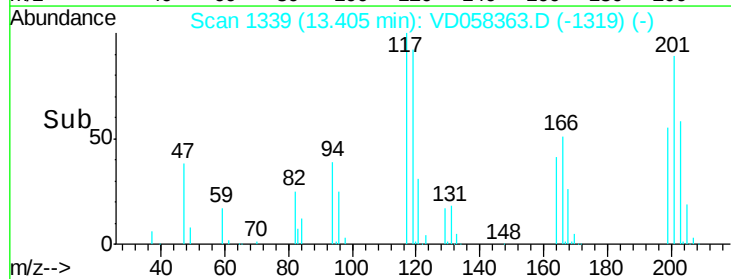
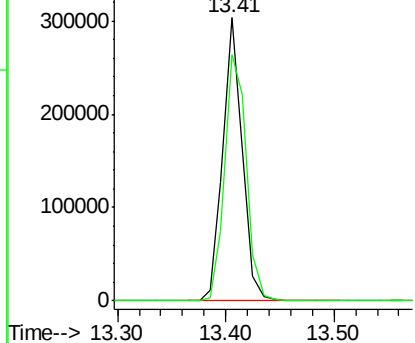


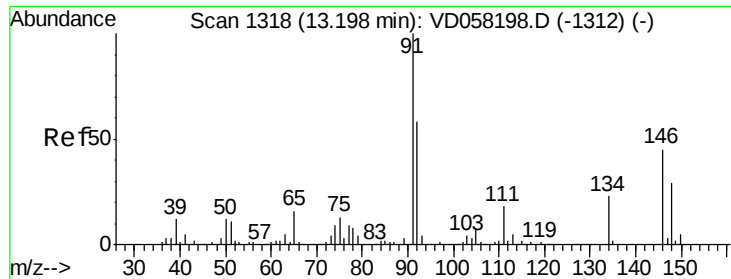
#90
Hexachloroethane
Concen: 55.952 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 117 Resp: 378307
Ion Ratio Lower Upper
117 100
201 86.9 53.8 161.4



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





#91

1,2-Dichlorobenzene

Concen: 47.010 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

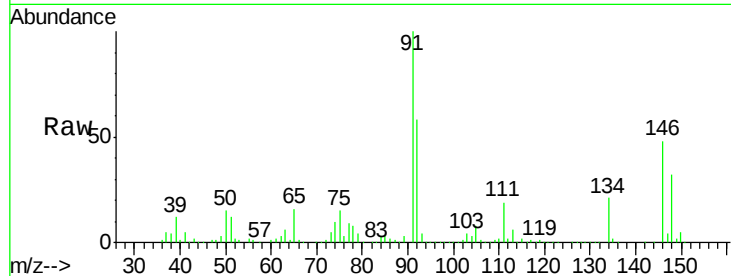
Tot Ion:146 Resp: 636779

Ion Ratio Lower Upper

146 100

111 40.3 19.6 58.7

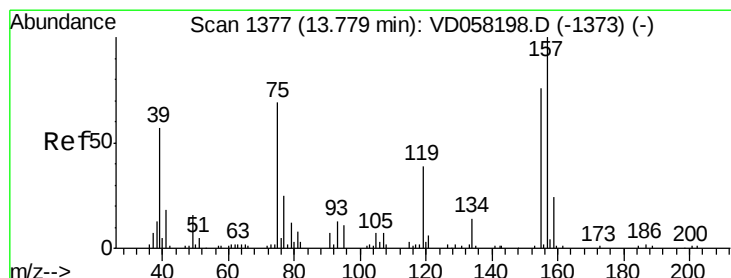
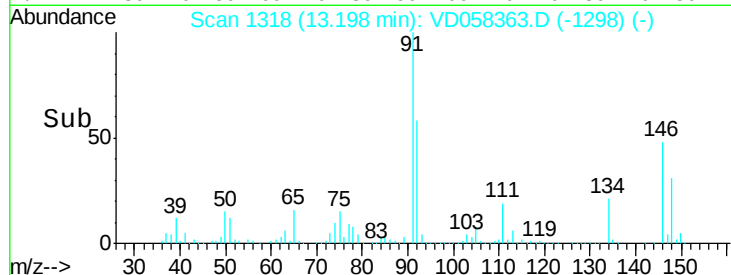
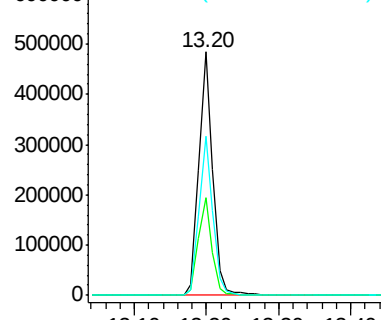
148 65.5 32.0 96.2



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: 51.590 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

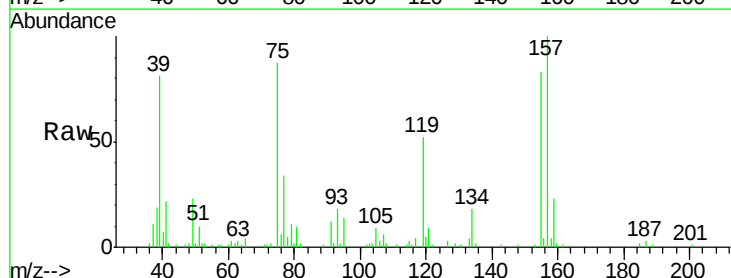
Tgt Ion: 75 Resp: 58434

Ion Ratio Lower Upper

75 100

155 94.4 54.5 163.5

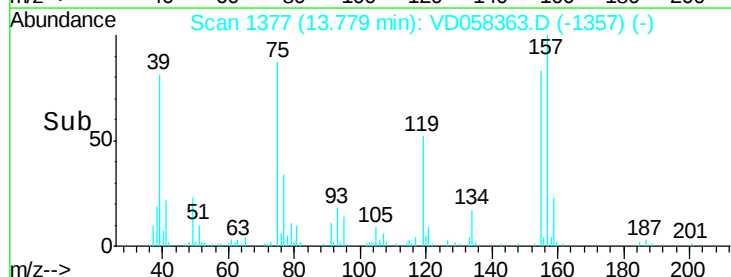
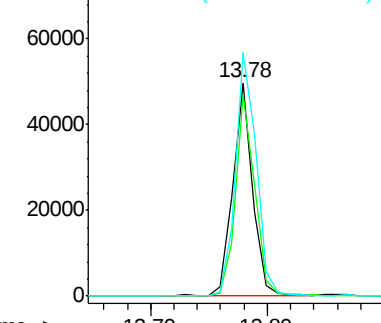
157 114.3 72.0 215.9

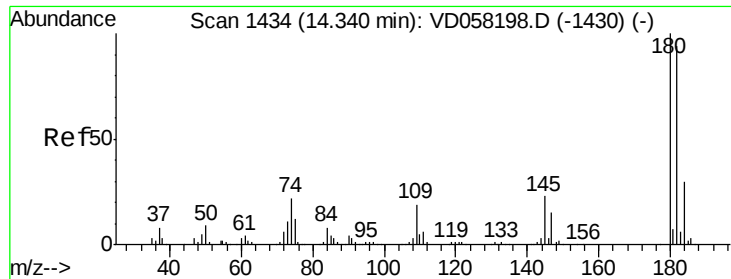


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

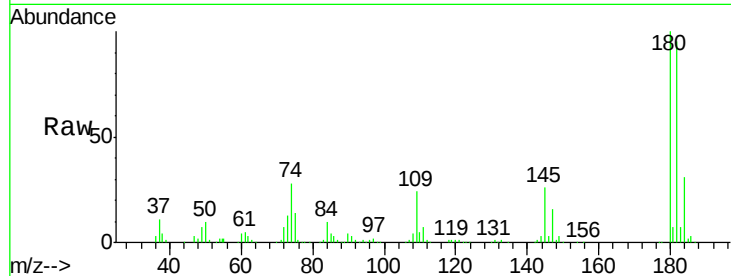




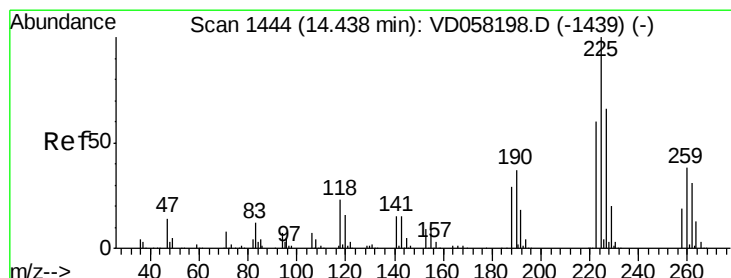
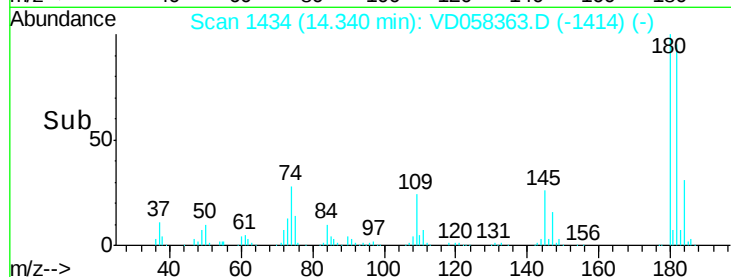
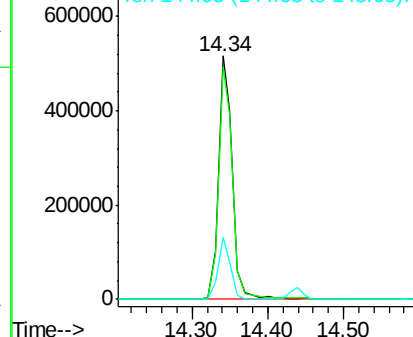
#93
 1,2,4-Trichlorobenzene
 Concen: 51.700 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 669792
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.1 141.3
 145 25.6 11.7 35.0

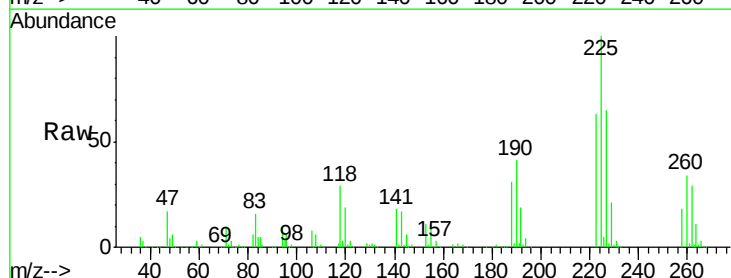


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

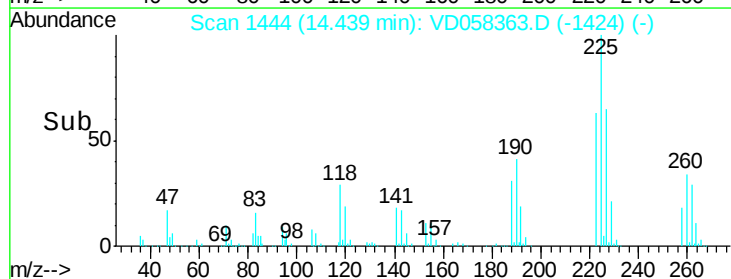
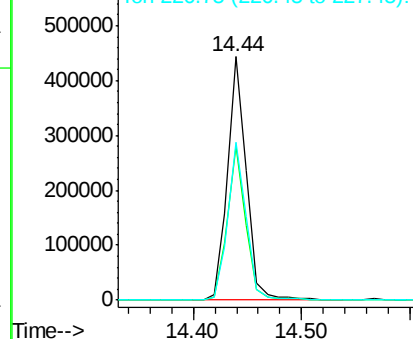


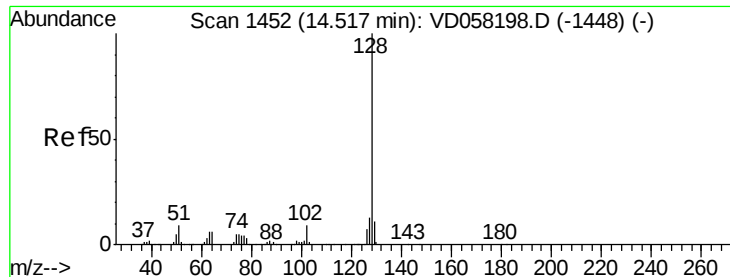
#94
 Hexachlorobutadiene
 Concen: 52.938 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion:225 Resp: 536420
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.1 90.3
 227 64.9 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: 49.843 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

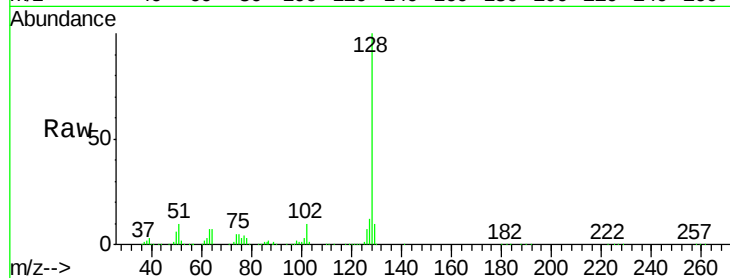
Tot Ion:128 Resp: 850582

Ion Ratio Lower Upper

128 100

127 12.0 10.0 15.0

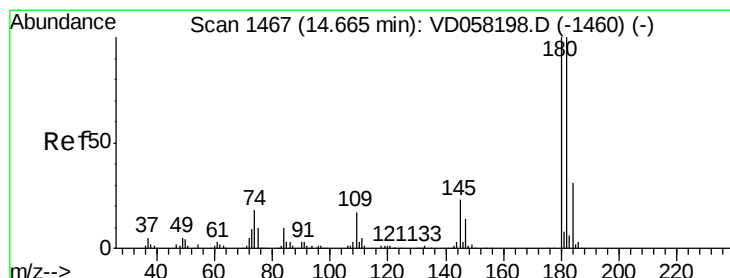
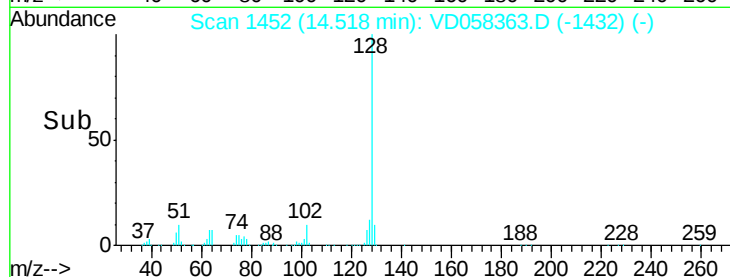
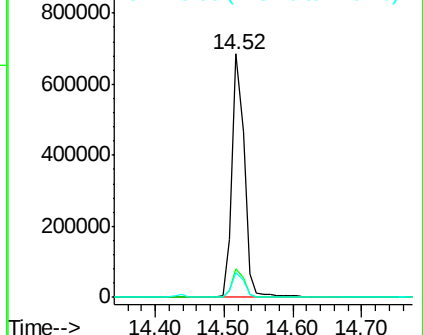
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.758 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

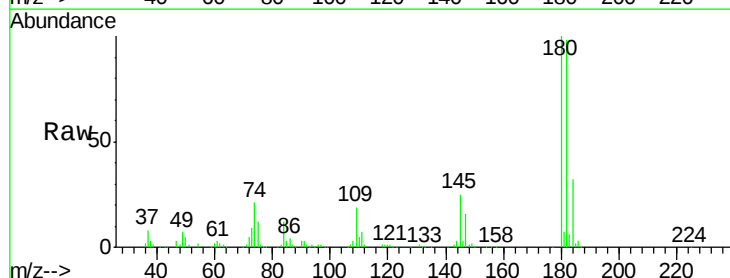
Tgt Ion:180 Resp: 564336

Ion Ratio Lower Upper

180 100

182 97.8 49.9 149.6

145 24.9 11.7 35.1



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

