

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059463.D
 Acq On : 28 Jun 2018 15:27
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 01:26:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	898713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1162935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	910590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	496902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	382363	41.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.20%	
35) Dibromofluoromethane	5.56	113	407186	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
50) Toluene-d8	8.72	98	916873	41.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.80%	
62) 4-Bromofluorobenzene	11.94	95	390783	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	195717	24.48	ug/l	98
3) Chloromethane	1.49	50	97522	23.44	ug/l	100
4) Vinyl Chloride	1.55	62	92507	21.43	ug/l	99
5) Bromomethane	1.80	94	32278	19.90	ug/l	98
6) Chloroethane	1.88	64	36505	18.40	ug/l	90
7) Trichlorofluoromethane	2.09	101	144648	23.24	ug/l	96
8) Diethyl Ether	2.34	74	31373	22.28	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	93414	24.15	ug/l	97
10) Methyl Iodide	2.70	142	90864	20.11	ug/l	99
11) Tert butyl alcohol	3.28	59	32233	101.38	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	65845	22.24	ug/l	92
13) Acrolein	2.47	56	29711	104.53	ug/l	94
14) Allyl chloride	2.92	41	140174	20.68	ug/l	92
15) Acrylonitrile	3.36	53	99602	102.07	ug/l	97
16) Acetone	2.62	43	133862	115.40	ug/l #	91
17) Carbon Disulfide	2.75	76	194783	21.48	ug/l	97
18) Methyl Acetate	2.94	43	46582	16.85	ug/l #	88
19) Methyl tert-butyl Ether	3.40	73	299851	20.57	ug/l	96
20) Methylene Chloride	3.07	84	78117	22.93	ug/l	92
21) trans-1,2-Dichloroethene	3.40	96	109273	20.87	ug/l	89
22) Diisopropyl ether	4.08	45	571851	22.42	ug/l	93
23) Vinyl Acetate	4.02	43	1552714	116.86	ug/l	98
24) 1,1-Dichloroethane	3.98	63	329830	22.60	ug/l	98
25) 2-Butanone	4.84	43	262089	107.86	ug/l	100
26) 2,2-Dichloropropane	4.80	77	281198	24.85	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	191849	21.80	ug/l	94
28) Bromochloromethane	5.15	49	138431	21.88	ug/l	93
29) Tetrahydrofuran	5.20	42	130759	98.38	ug/l	95
30) Chloroform	5.33	83	354317	22.28	ug/l	100
31) Cyclohexane	5.60	56	241020	22.92	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	285905	22.20	ug/l	96
36) 1,1-Dichloropropene	5.75	75	236654	22.43	ug/l	98
37) Ethyl Acetate	4.94	43	125163	19.48	ug/l	99
38) Carbon Tetrachloride	5.74	117	245734	22.59	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	236022	23.59	ug/l	96
40) Benzene	6.02	78	584417	23.08	ug/l	98
41) Methacrylonitrile	5.14	41	64238	20.76	ug/l	93
42) 1,2-Dichloroethane	6.14	62	231689	20.71	ug/l	98
43) Isopropyl Acetate	7.63	43	162593	20.15	ug/l #	96
44) Trichloroethene	6.99	130	181958	21.95	ug/l	97
45) 1,2-Dichloropropane	7.36	63	150244	21.43	ug/l	99
46) Dibromomethane	7.47	93	106896	21.20	ug/l	96
47) Bromodichloromethane	7.76	83	250163	22.17	ug/l	99
48) Methyl methacrylate	7.52	41	101190	20.59	ug/l	98
49) 1,4-Dioxane	7.50	88	21061	427.23	ug/l	88
51) 4-Methyl-2-Pentanone	8.61	43	542305	100.87	ug/l	98
52) Toluene	8.82	92	329038	21.76	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	216628	22.98	ug/l	99
54) cis-1,3-Dichloropropene	8.38	75	245413	22.48	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	116713	21.26	ug/l	95
56) Ethyl methacrylate	9.32	69	131156	20.94	ug/l	94
57) 1,3-Dichloropropane	9.68	76	201332	22.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	337869	104.78	ug/l	95
59) 2-Hexanone	9.80	43	404813	105.94	ug/l	98
60) Dibromochloromethane	9.97	129	161199	20.97	ug/l	92
61) 1,2-Dibromoethane	10.11	107	127983	20.94	ug/l	94
64) Tetrachloroethene	9.53	164	167058	20.91	ug/l	90
65) Chlorobenzene	10.74	112	361052	21.68	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.86	131	150316	23.52	ug/l	96
67) Ethyl Benzene	10.87	91	671486	23.90	ug/l	99
68) m/p-Xylenes	11.02	106	448636	48.13	ug/l	91
69) o-Xylene	11.42	106	218935	23.76	ug/l	100
70) Styrene	11.45	104	373212	23.62	ug/l	96
71) Bromoform	11.61	173	111895	21.13	ug/l #	93
73) Isopropylbenzene	11.78	105	601387	21.45	ug/l	99
74) N-amyl acetate	11.65	43	215134	20.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	133996	20.37	ug/l	92
76) 1,2,3-Trichloropropane	12.13	75	142544	20.80	ug/l	96
77) Bromobenzene	12.05	156	187638	21.26	ug/l	98
78) n-propylbenzene	12.17	91	824613	23.22	ug/l	98
79) 2-Chlorotoluene	12.22	91	459061	22.01	ug/l	98
80) 1,3,5-Trimethylbenzene	12.33	105	476262	21.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	34939	22.43	ug/l	84
82) 4-Chlorotoluene	12.33	91	507853	21.47	ug/l	100
83) tert-Butylbenzene	12.59	119	567878	23.92	ug/l	96
84) 1,2,4-Trimethylbenzene	12.64	105	536541	22.71	ug/l	99
85) sec-Butylbenzene	12.77	105	638597	21.92	ug/l	97
86) p-Isopropyltoluene	12.89	119	547904	23.33	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	339235	23.36	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	323116	22.55	ug/l	98
89) n-Butylbenzene	13.21	91	558857	24.11	ug/l	98
90) Hexachloroethane	13.41	117	134616	22.97	ug/l	94
91) 1,2-Dichlorobenzene	13.20	146	281052	22.83	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21195	19.54	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

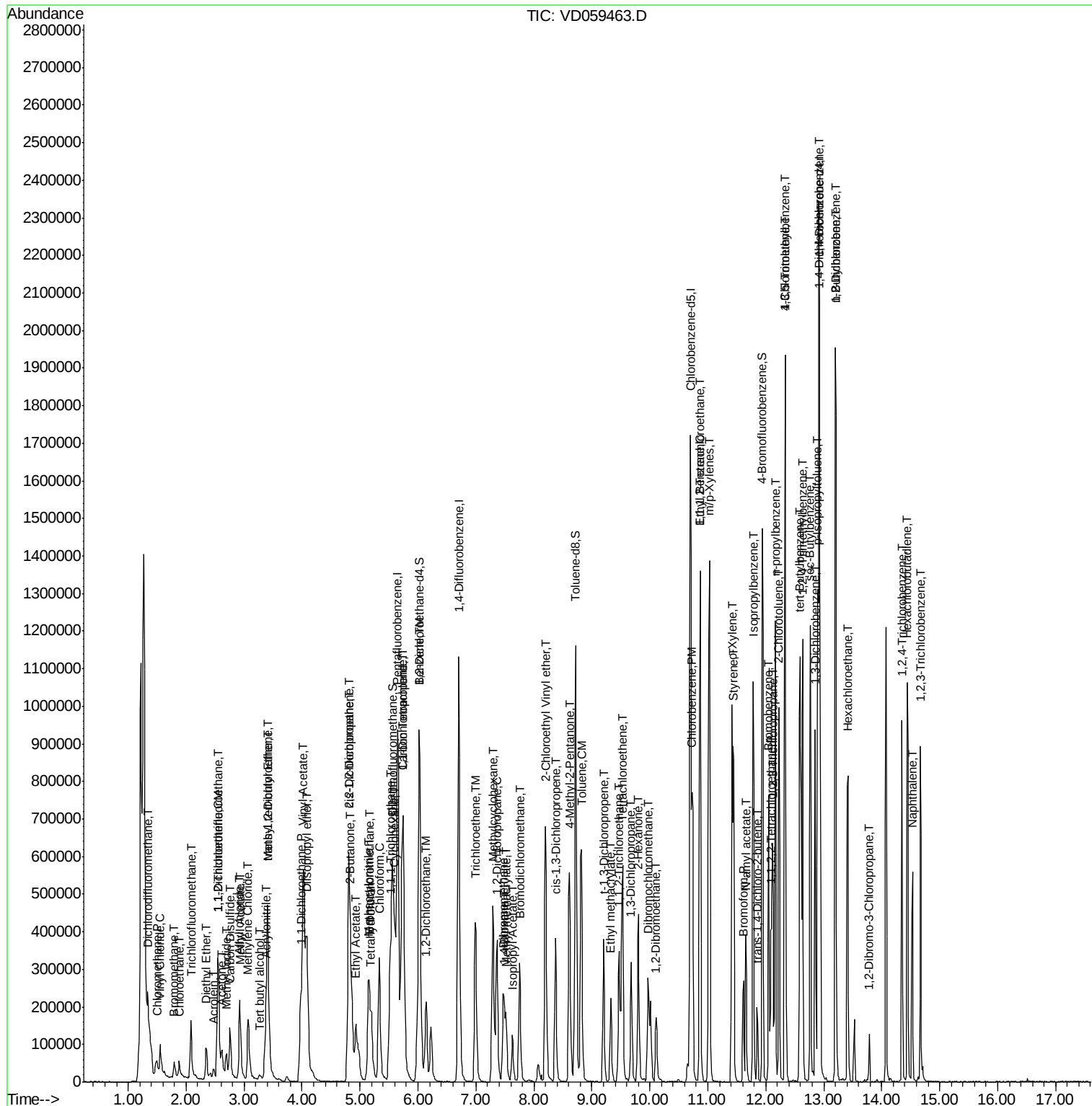
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	266343	23.40	ug/l	96
94) Hexachlorobutadiene	14.45	225	195674	22.85	ug/l	99
95) Naphthalene	14.53	128	336025	21.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	236874	23.15	ug/l	97

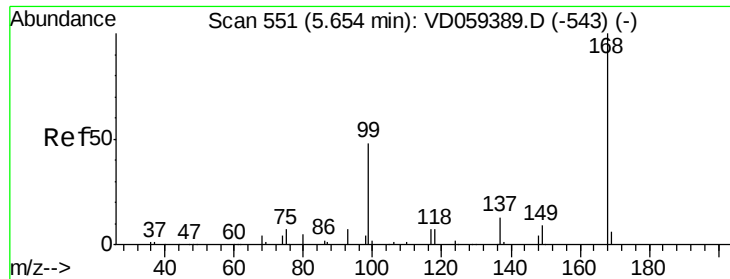
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062818\
Data File : VD059463.D
Acq On : 28 Jun 2018 15:27
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Sample : VD0628SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration



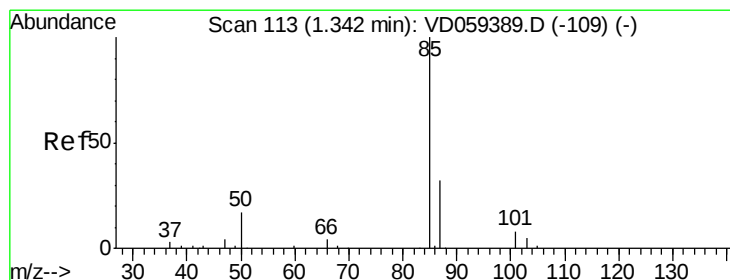
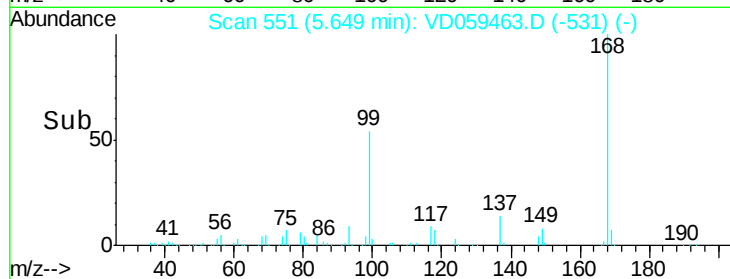
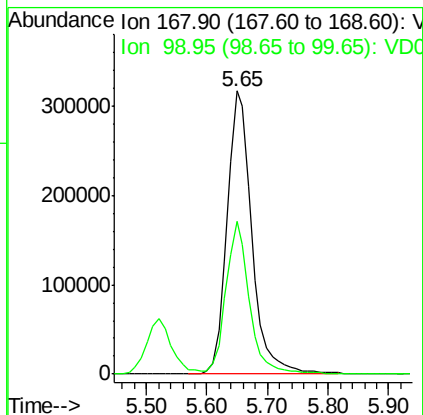
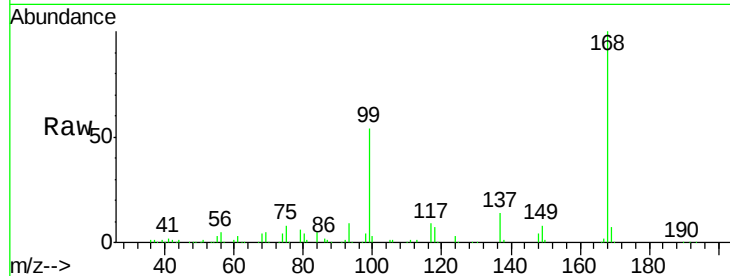


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

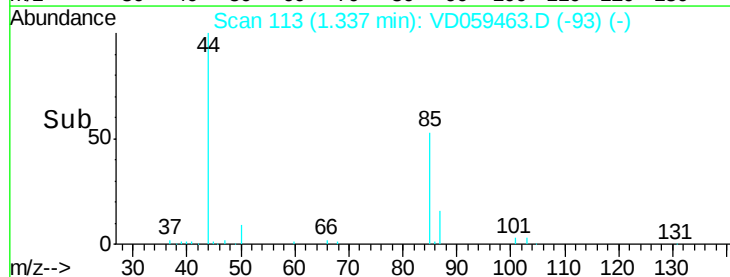
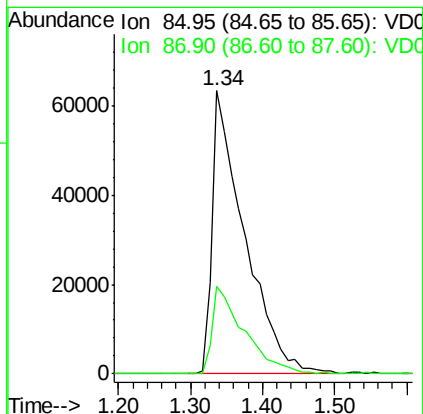
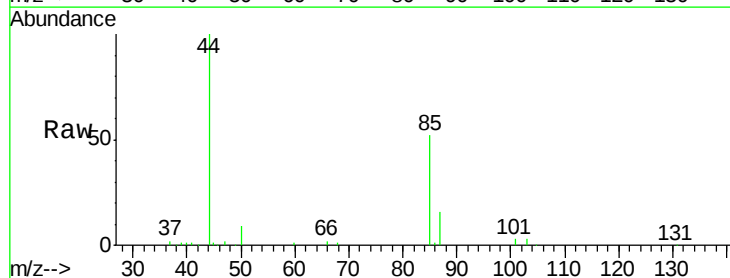
Tot Ion:168 Resp: 898713
 Ion Ratio Lower Upper
 168 100
 99 53.8 41.0 61.6

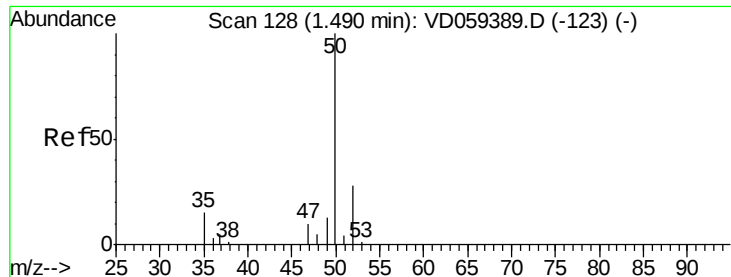


#2

Dichlorodifluoromethane
 Concen: 24.48 ug/l
 RT: 1.34 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 85 Resp: 195717
 Ion Ratio Lower Upper
 85 100
 87 31.1 16.2 48.6





#3

Chloromethane

Concen: 23.44 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

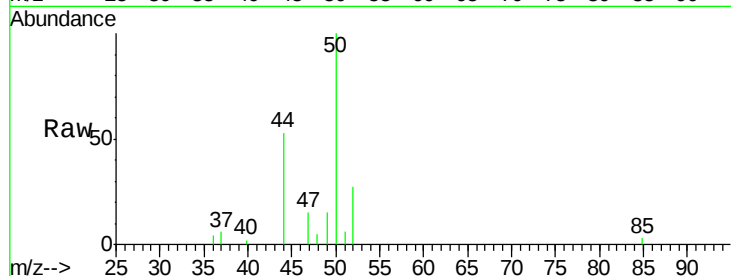
VD0628SBS01

Tot Ion: 50 Resp: 97522

Ion Ratio Lower Upper

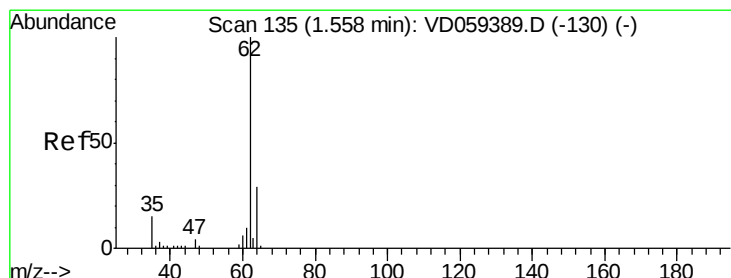
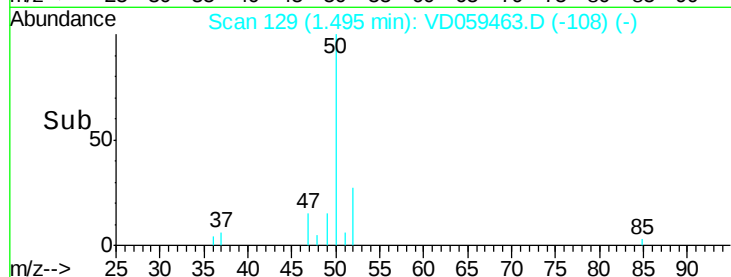
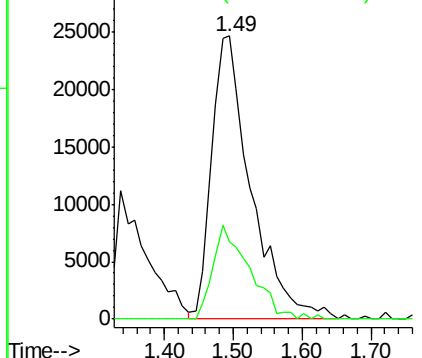
50 100

52 27.1 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.43 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD059463.D

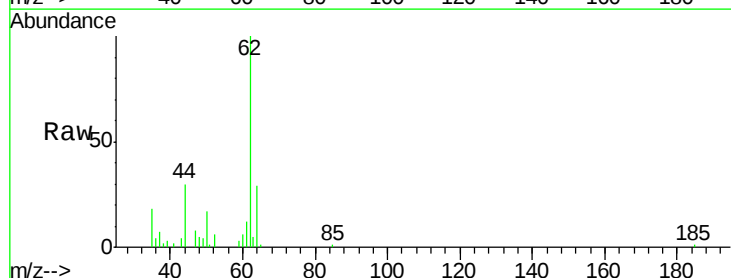
Acq: 28 Jun 2018 15:27

Tgt Ion: 62 Resp: 92507

Ion Ratio Lower Upper

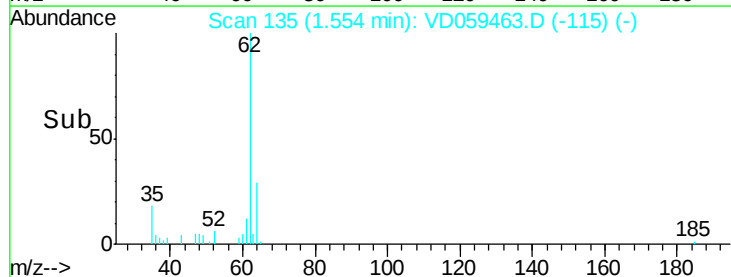
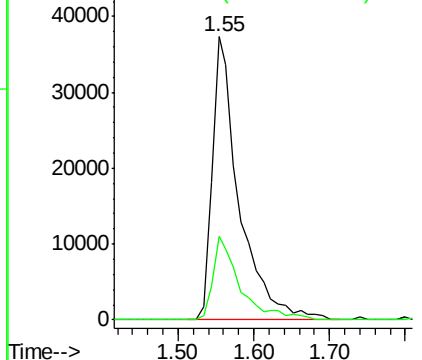
62 100

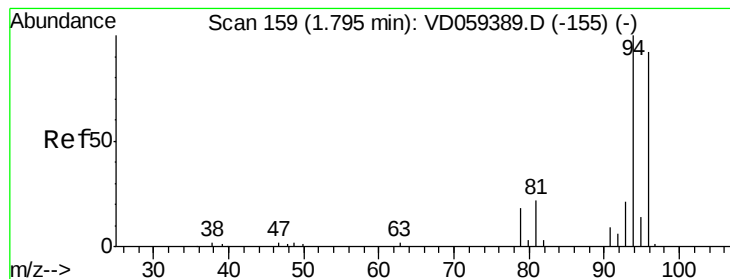
64 29.4 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.90 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

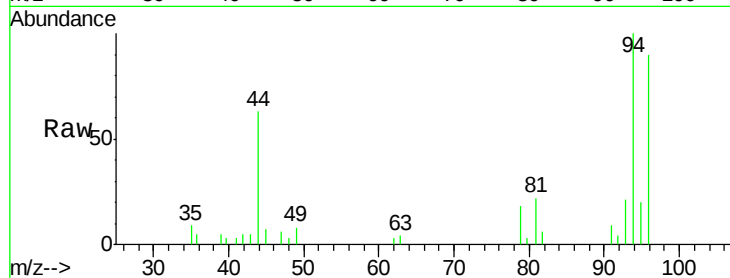
VD0628SBS01

Tot Ion: 94 Resp: 32278

Ion Ratio Lower Upper

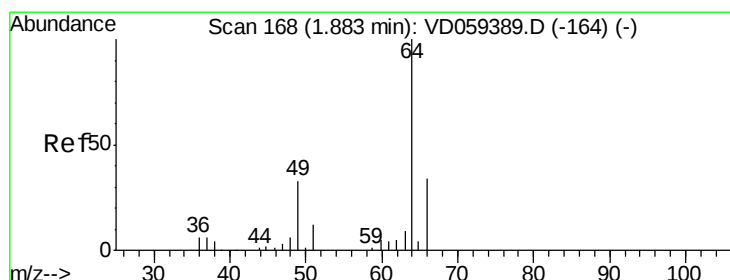
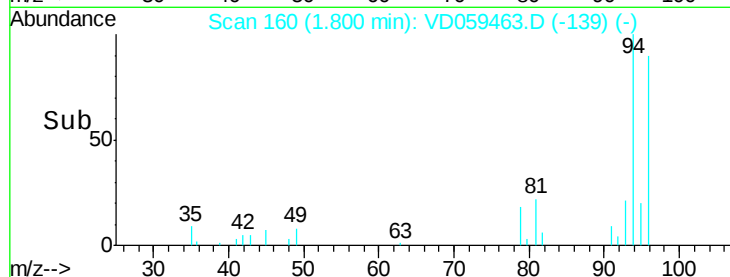
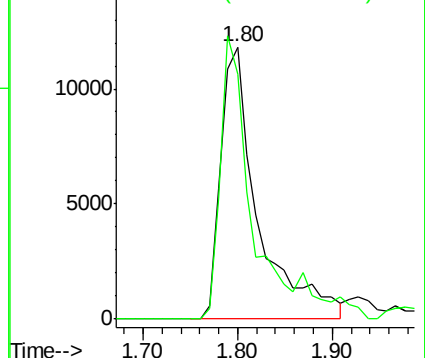
94 100

96 90.1 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.40 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD059463.D

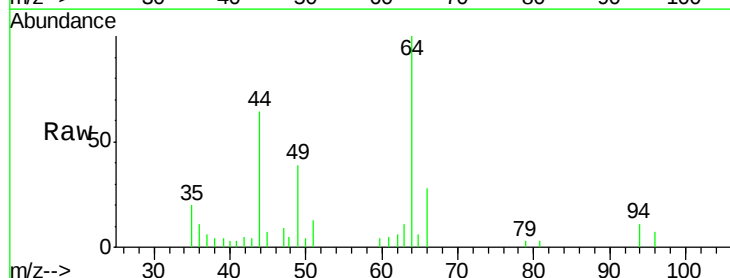
Acq: 28 Jun 2018 15:27

Tgt Ion: 64 Resp: 36505

Ion Ratio Lower Upper

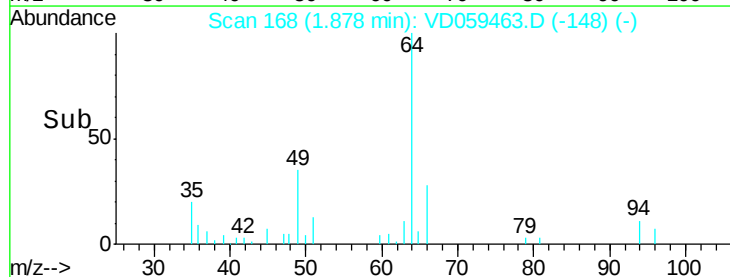
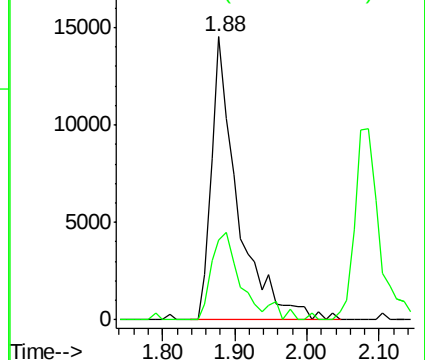
64 100

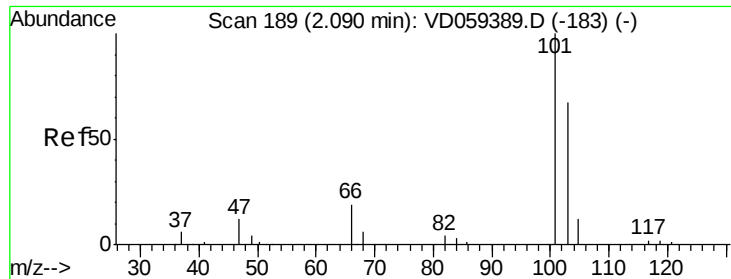
66 28.2 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



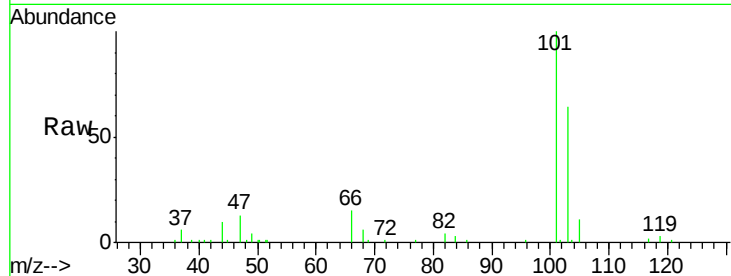


#7

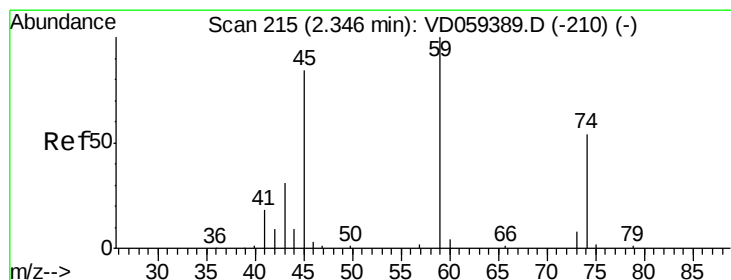
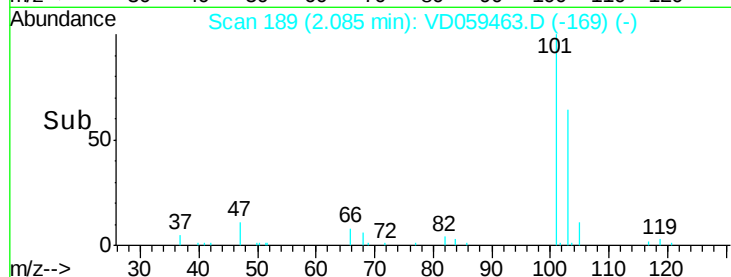
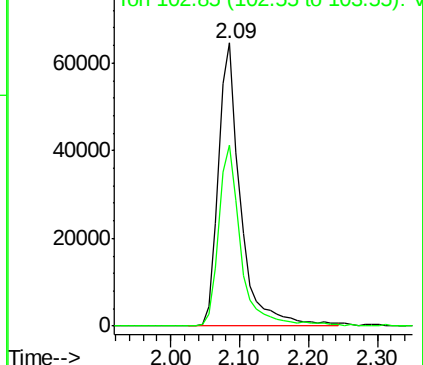
Trichlorofluoromethane
 Concen: 23.24 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:101 Resp: 144648
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.4 80.0



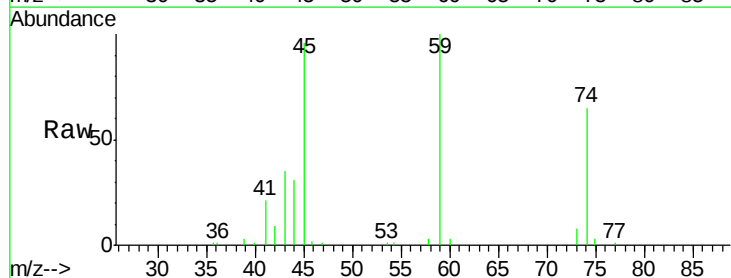
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



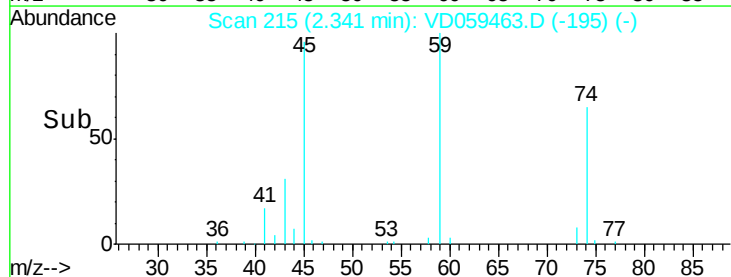
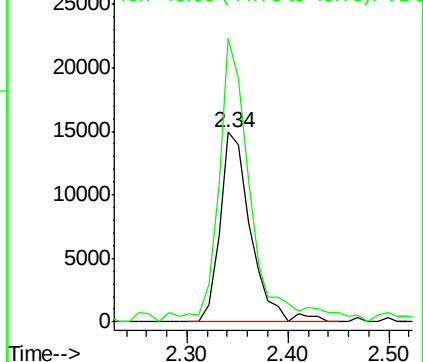
#8

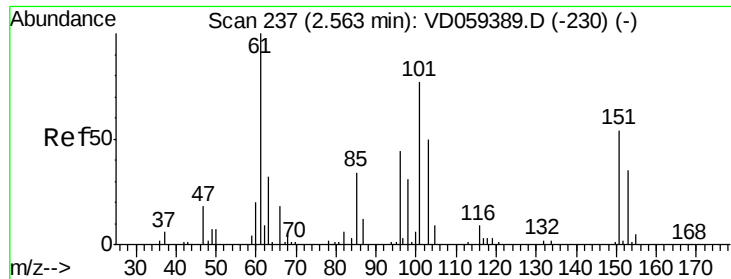
Diethyl Ether
 Concen: 22.28 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 74 Resp: 31373
 Ion Ratio Lower Upper
 74 100
 45 149.4 78.0 233.8



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: 24.15 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

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ClientSampleId :

VD0628SBS01

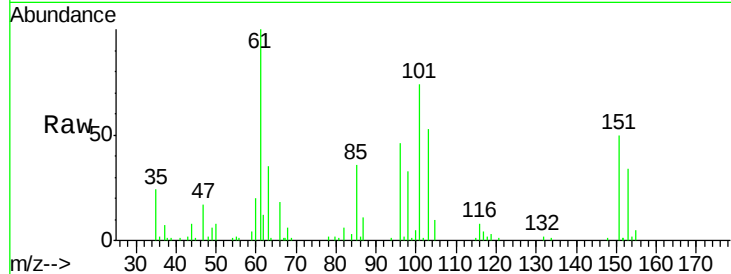
Tot Ion:101 Resp: 93414

Ion Ratio Lower Upper

101 100

85 49.1 35.7 53.5

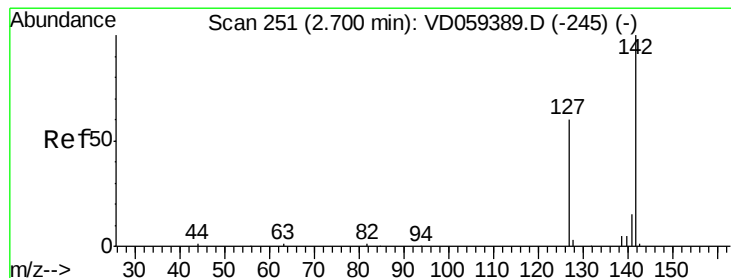
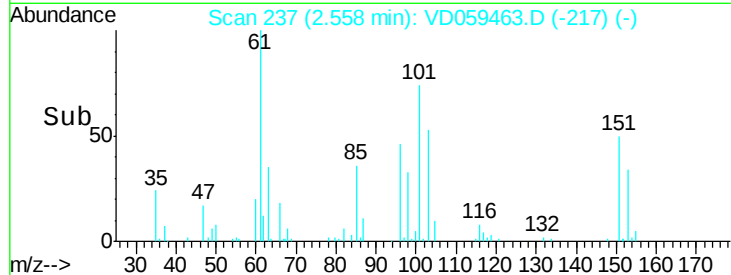
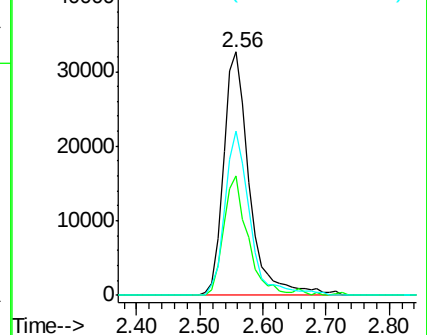
151 69.1 55.8 83.8



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: 20.11 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

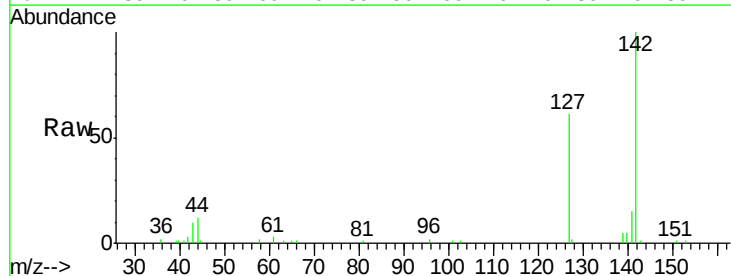
Tgt Ion:142 Resp: 90864

Ion Ratio Lower Upper

142 100

127 61.3 48.4 72.6

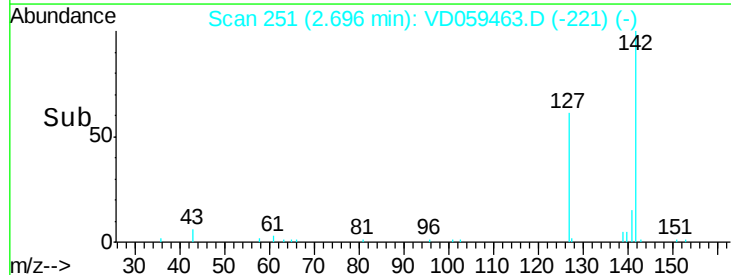
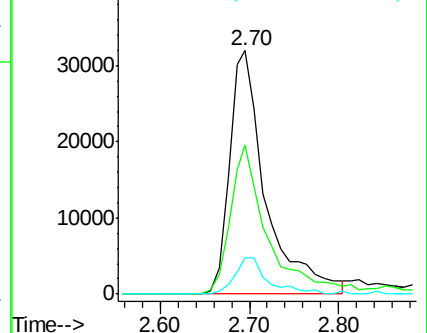
141 14.7 12.1 18.1

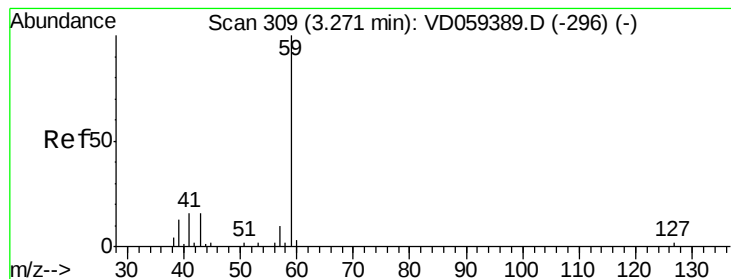


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



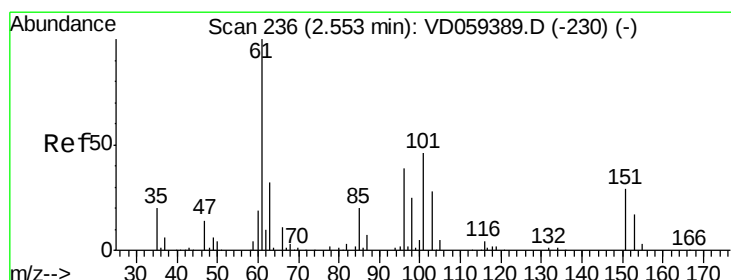
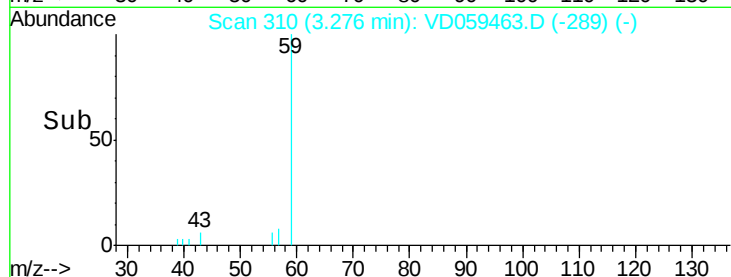
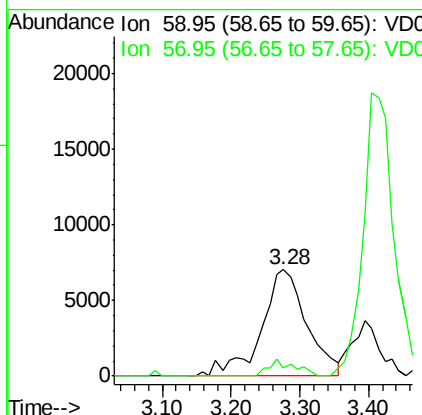
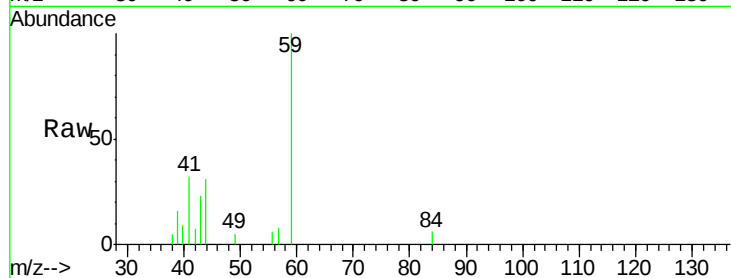


#11

Tert butyl alcohol
 Concen: 101.38 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

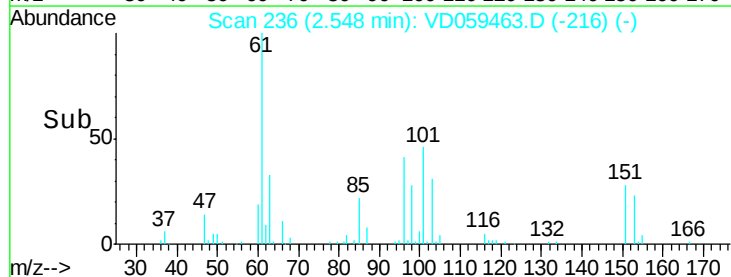
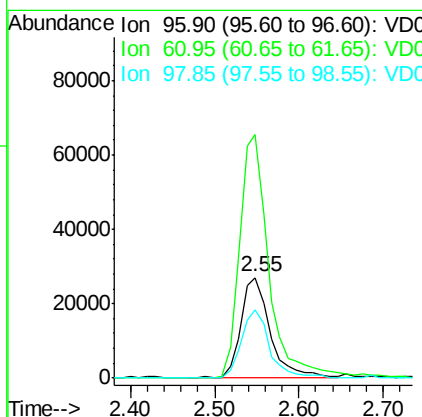
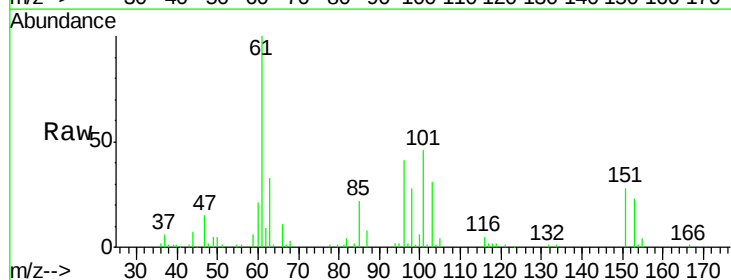
Tot Ion: 59 Resp: 32233
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.3 12.5#

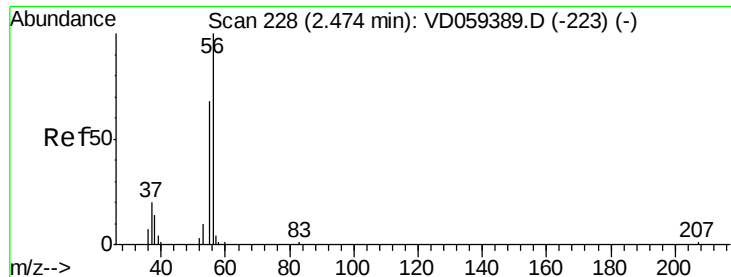


#12

1,1-Dichloroethene
 Concen: 22.24 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 96 Resp: 65845
 Ion Ratio Lower Upper
 96 100
 61 242.4 205.4 308.0
 98 68.1 51.0 76.4





#13

Acrolein

Concen: 104.53 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

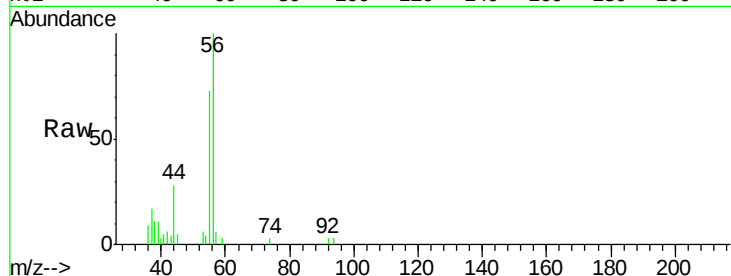
VD0628SBS01

Tot Ion: 56 Resp: 29711

Ion Ratio Lower Upper

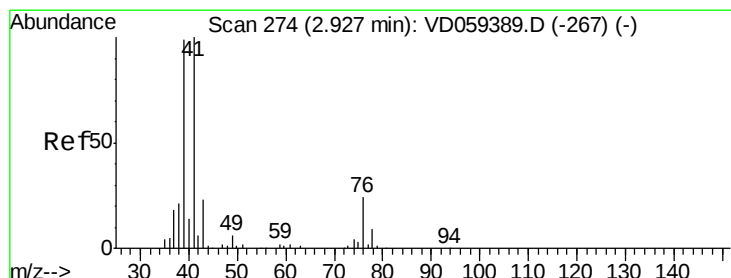
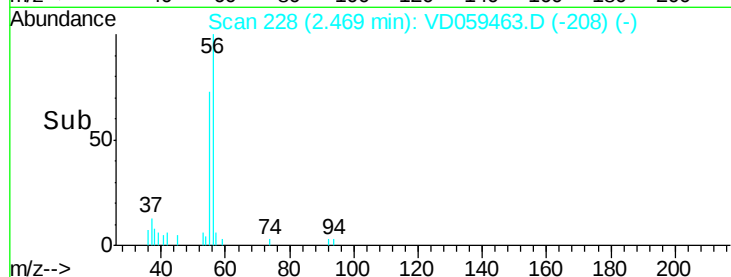
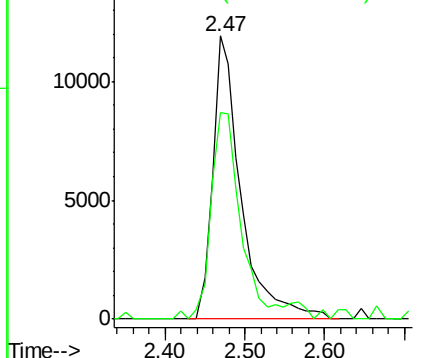
56 100

55 72.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.68 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

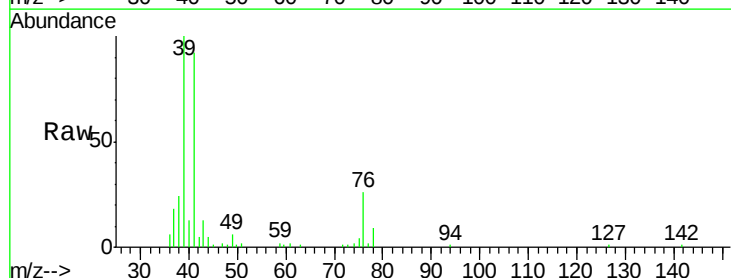
Tgt Ion: 41 Resp: 140174

Ion Ratio Lower Upper

41 100

39 108.5 79.1 118.7

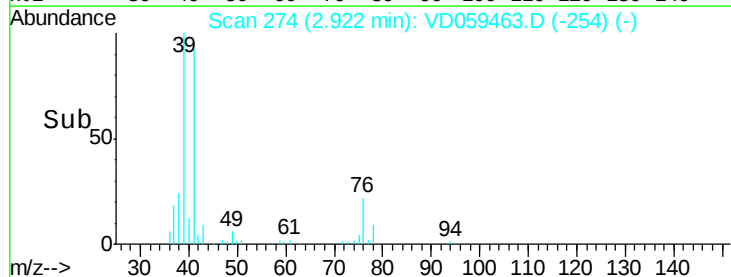
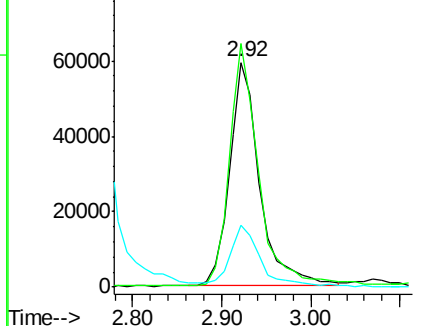
76 27.7 21.9 32.9

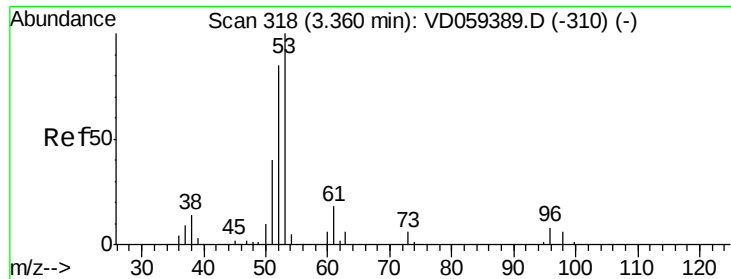


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.07 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

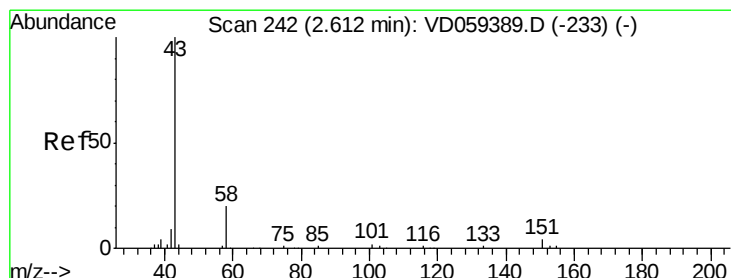
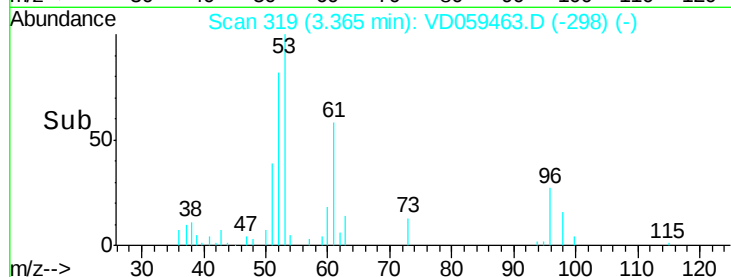
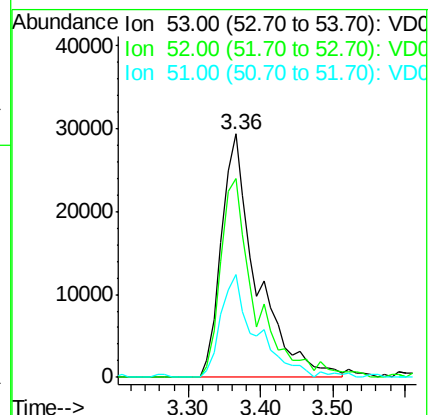
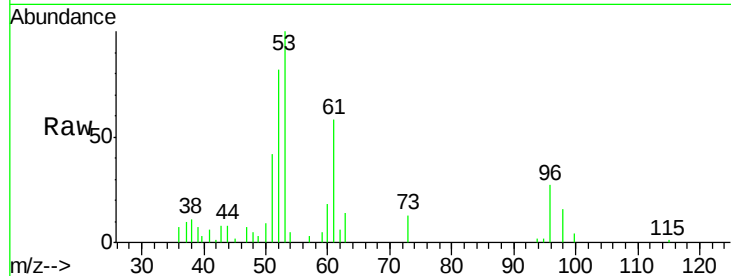
Tot Ion: 53 Resp: 99602

Ion Ratio Lower Upper

53 100

52 81.9 67.9 101.9

51 42.1 32.2 48.4



#16

Acetone

Concen: 115.40 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059463.D

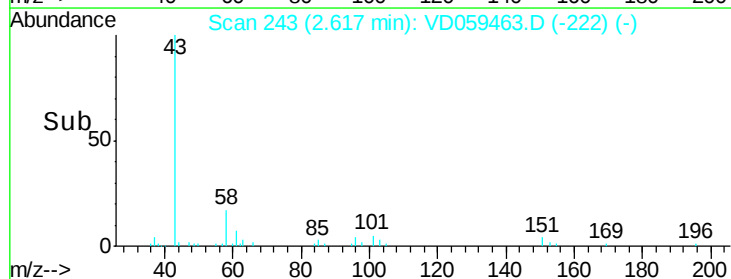
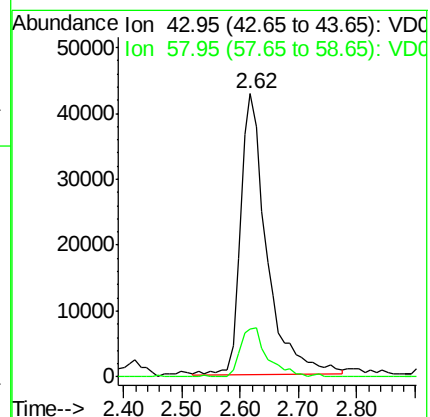
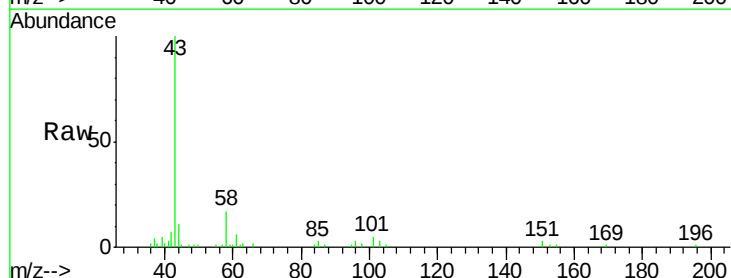
Acq: 28 Jun 2018 15:27

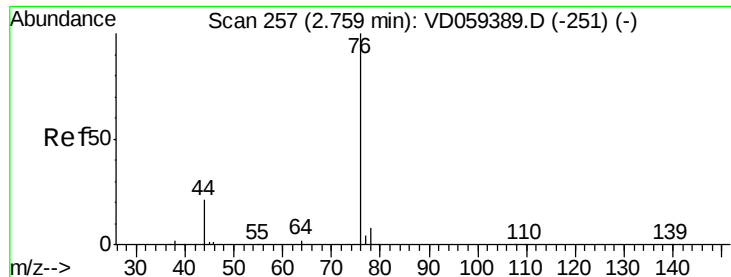
Tgt Ion: 43 Resp: 133862

Ion Ratio Lower Upper

43 100

58 16.7 16.8 25.2#

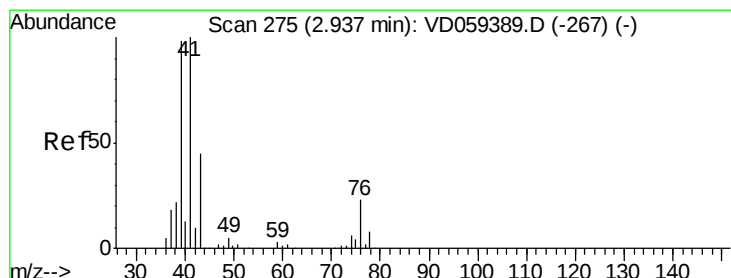
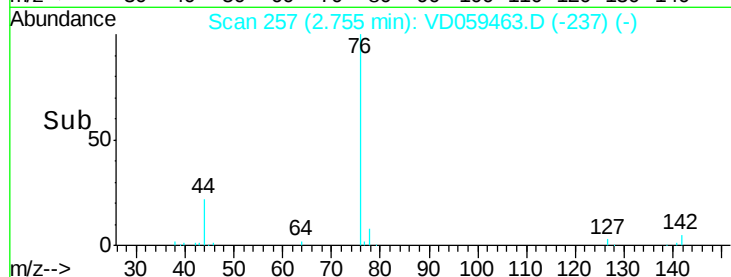
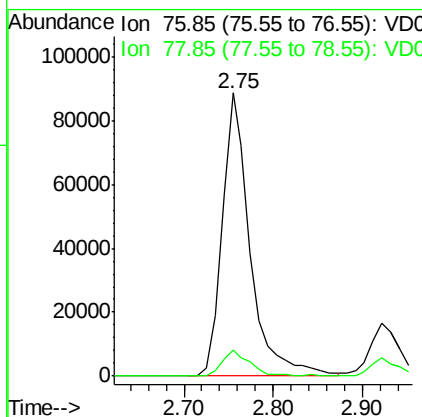
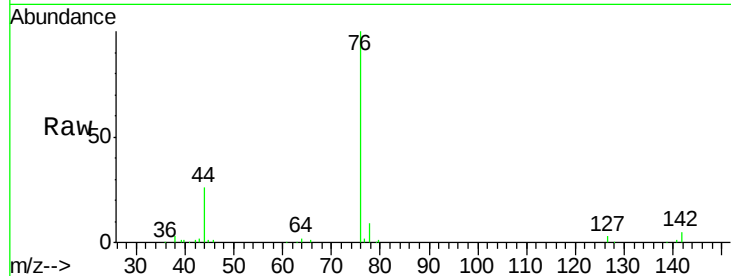




#17
Carbon Disulfide
Concen: 21.48 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

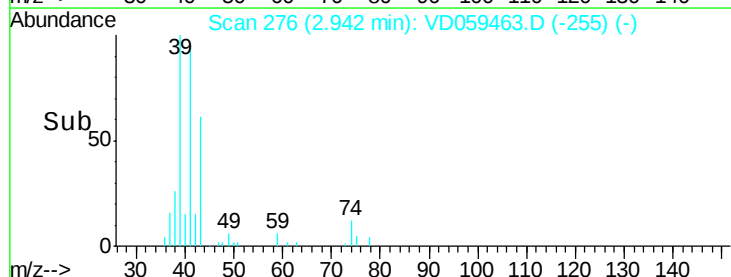
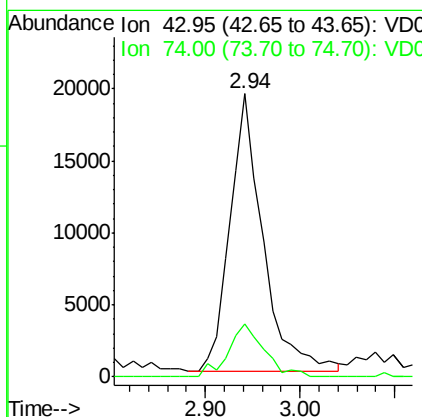
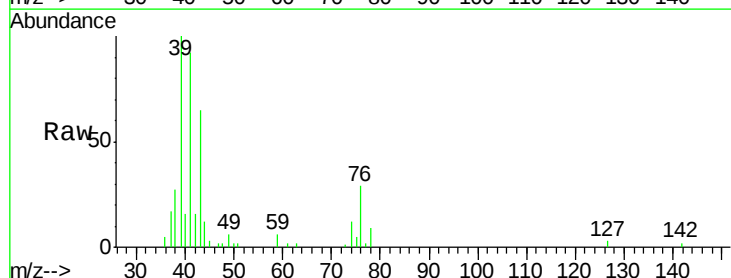
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

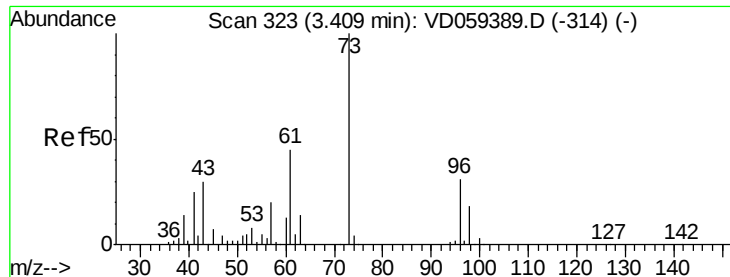
Tot Ion: 76 Resp: 194783
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8



#18
Methyl Acetate
Concen: 16.85 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 43 Resp: 46582
Ion Ratio Lower Upper
43 100
74 18.7 11.0 16.4#

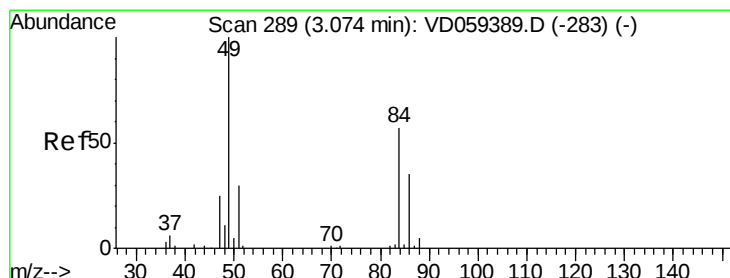
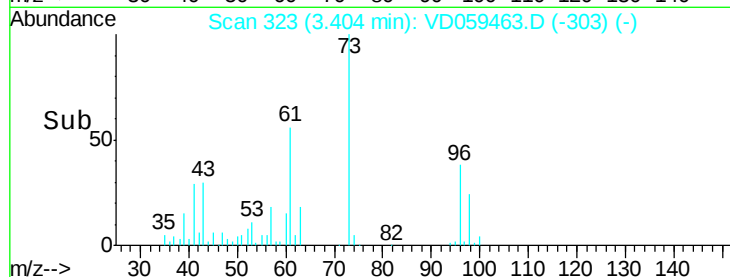
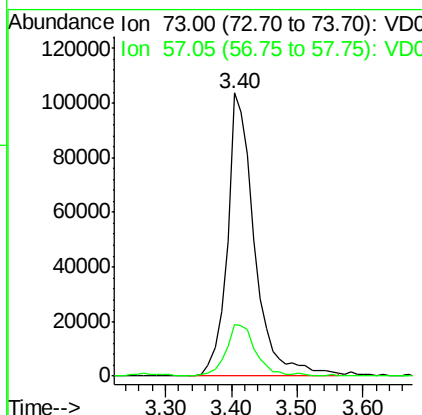
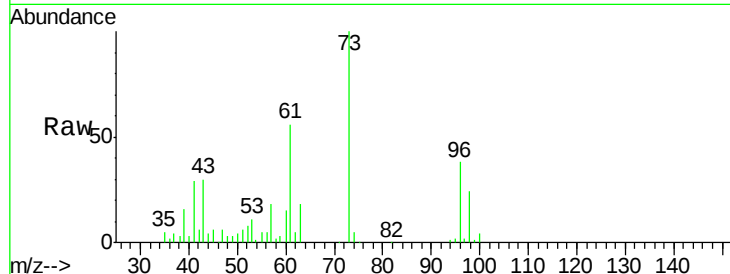




#19
Methvl tert-butvl Ether
Concen: 20.57 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

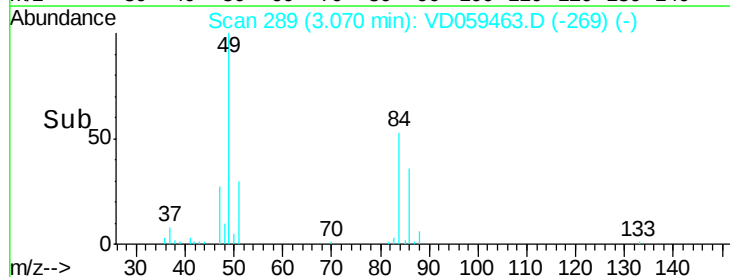
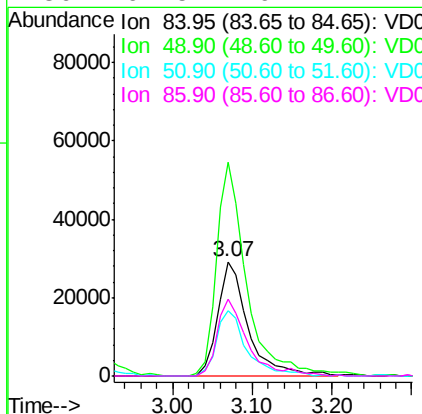
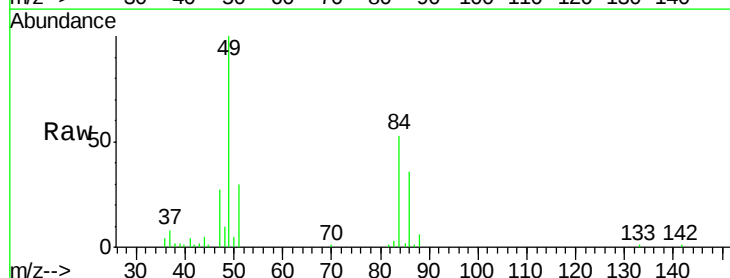
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

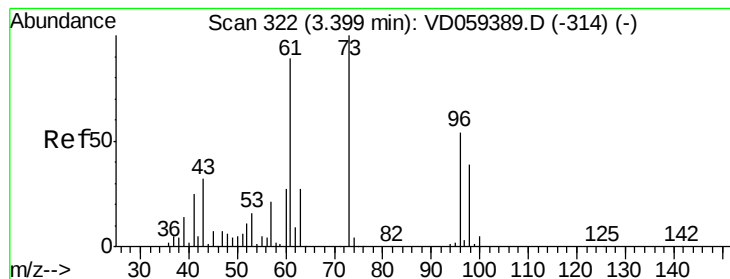
Tot Ion: 73 Resp: 299851
Ion Ratio Lower Upper
73 100
57 18.0 16.1 24.1



#20
Methylene Chloride
Concen: 22.93 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 84 Resp: 78117
Ion Ratio Lower Upper
84 100
49 187.1 140.3 210.5
51 56.8 41.6 62.4
86 67.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.87 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

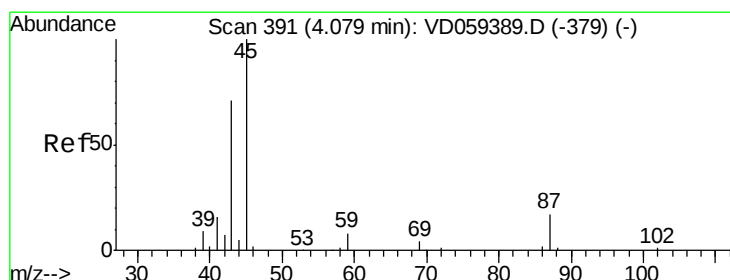
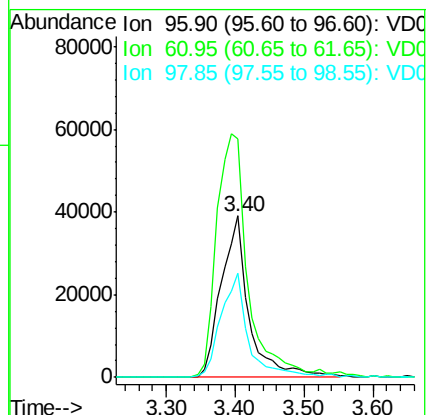
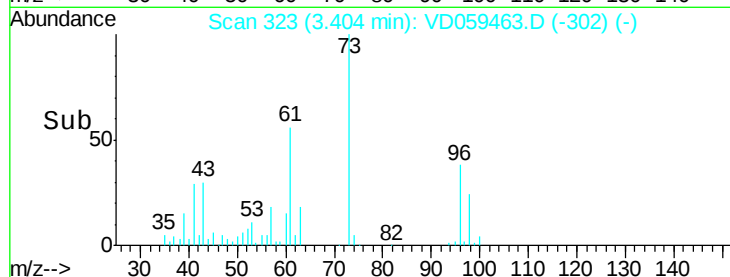
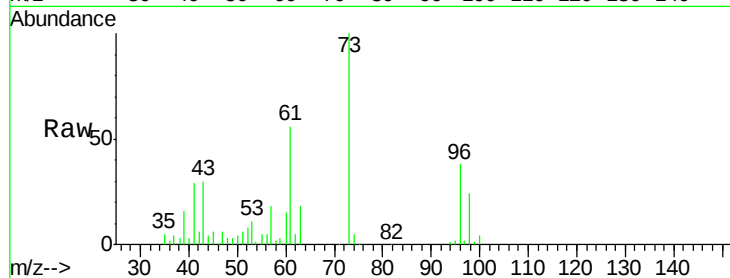
Tot Ion: 96 Resp: 109273

Ion Ratio Lower Upper

96 100

61 147.8 131.0 196.4

98 64.3 56.8 85.2



#22

Diisopropyl ether

Concen: 22.42 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Tgt Ion: 45 Resp: 571851

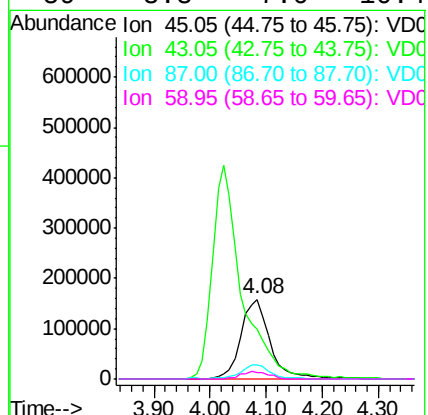
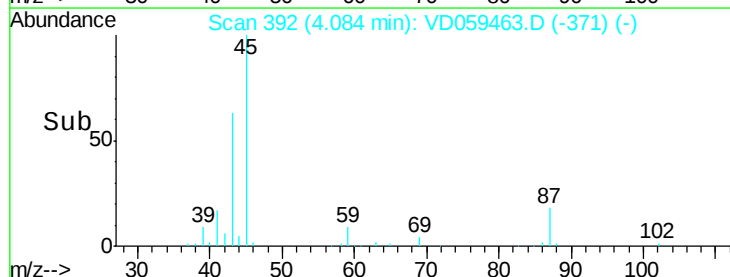
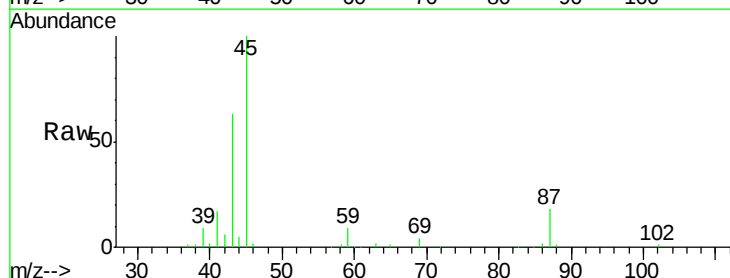
Ion Ratio Lower Upper

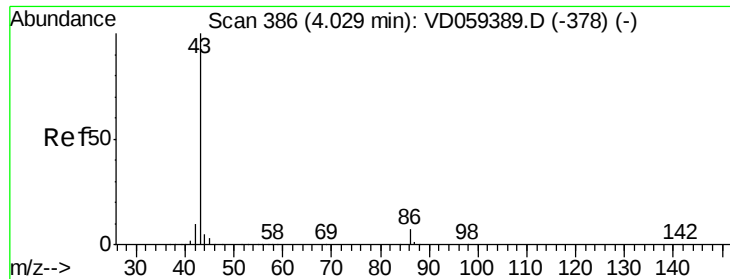
45 100

43 63.2 56.9 85.3

87 17.8 14.2 21.4

59 8.8 7.0 10.4





#23

Vinyl Acetate

Concen: 116.86 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

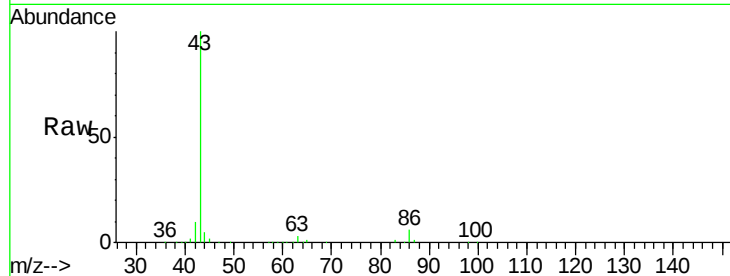
VD0628SBS01

Tot Ion: 43 Resp: 1552714

Ion Ratio Lower Upper

43 100

86 6.0 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.02

500000

400000

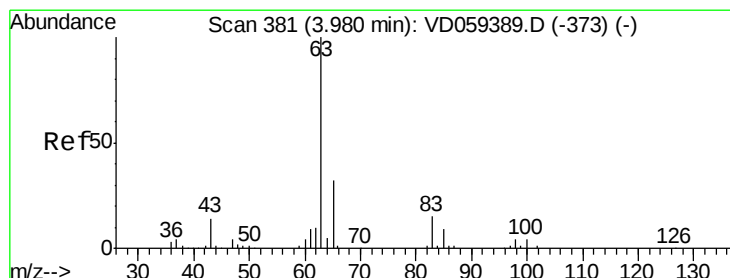
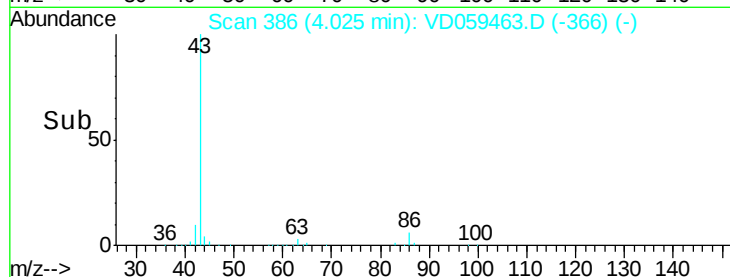
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.60 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

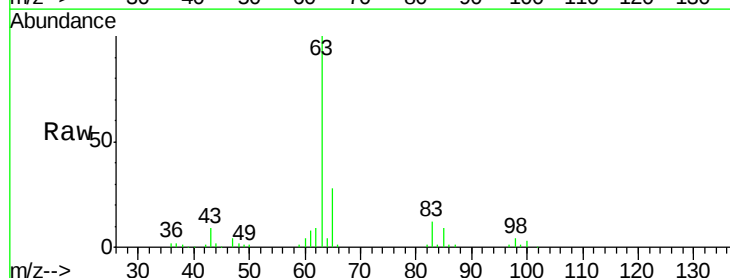
Tgt Ion: 63 Resp: 329830

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

100 3.0 1.8 5.5



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

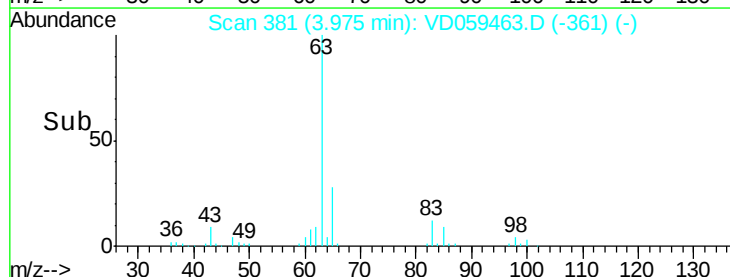
3.98

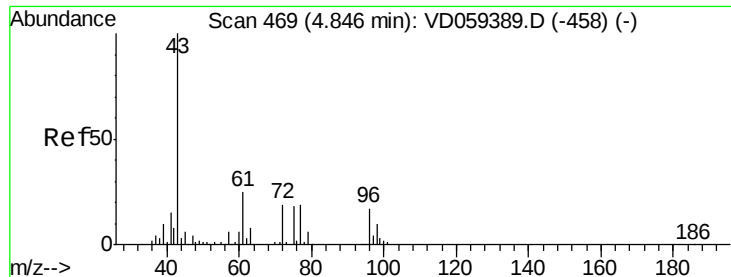
100000

50000

0

Time-->





#25

2-Butanone

Concen: 107.86 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

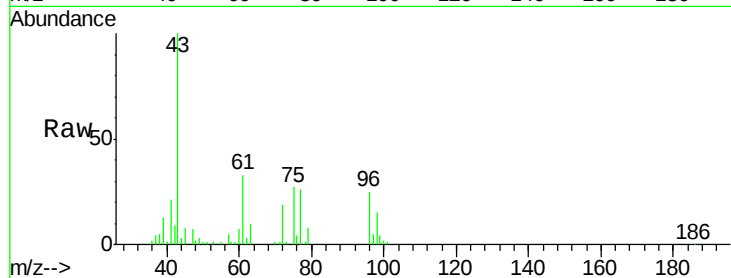
VD0628SBS01

Tot Ion: 43 Resp: 262089

Ion Ratio Lower Upper

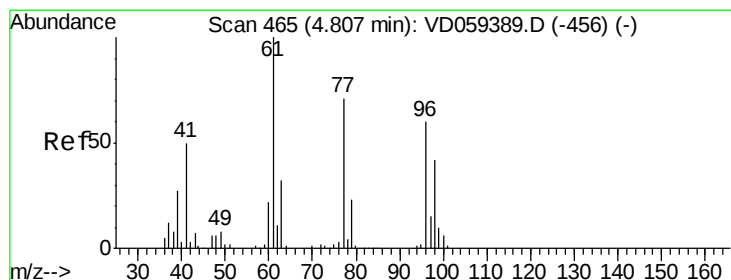
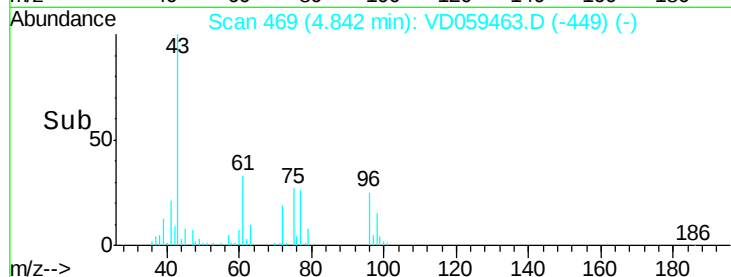
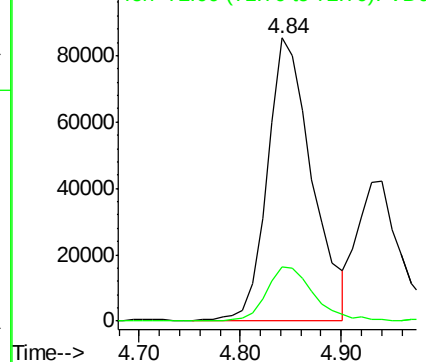
43 100

72 19.3 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.85 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059463.D

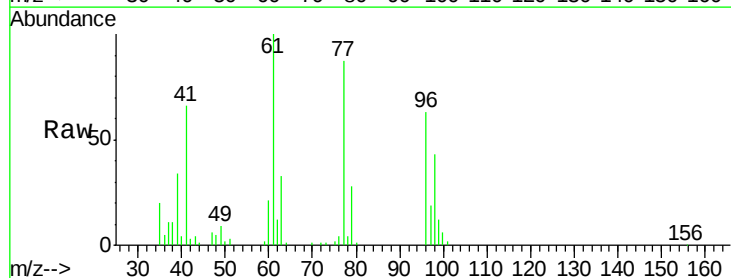
Acq: 28 Jun 2018 15:27

Tgt Ion: 77 Resp: 281198

Ion Ratio Lower Upper

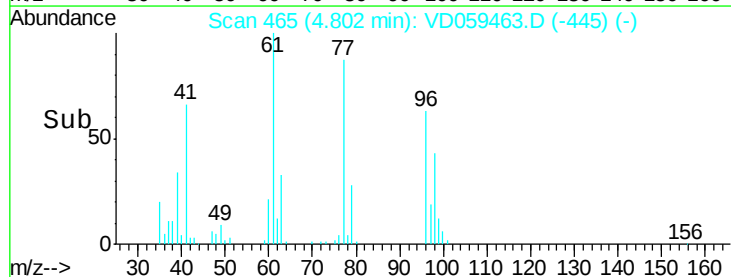
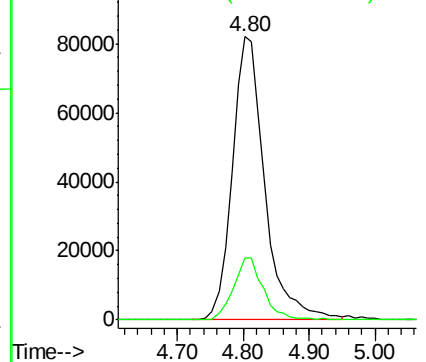
77 100

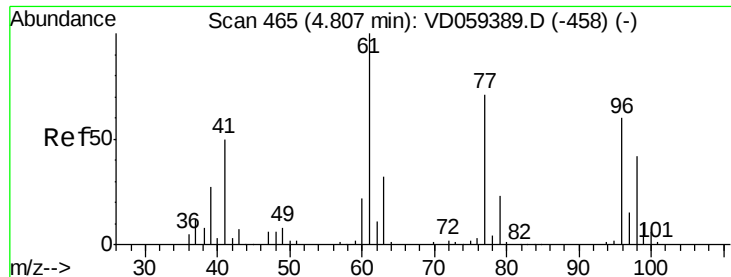
97 21.8 10.7 32.1



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: 21.80 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleID :

VD0628SBS01

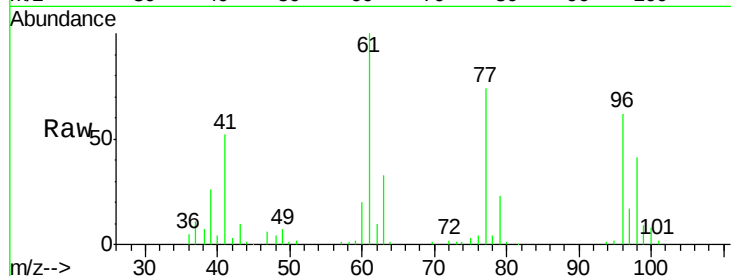
Tot Ion: 96 Resp: 191849

Ion Ratio Lower Upper

96 100

61 160.2 0.0 335.8

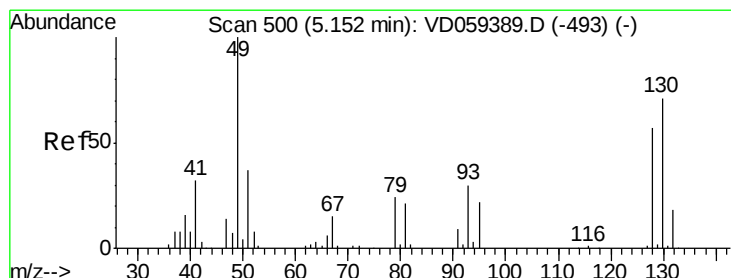
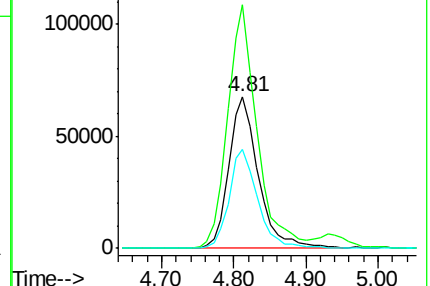
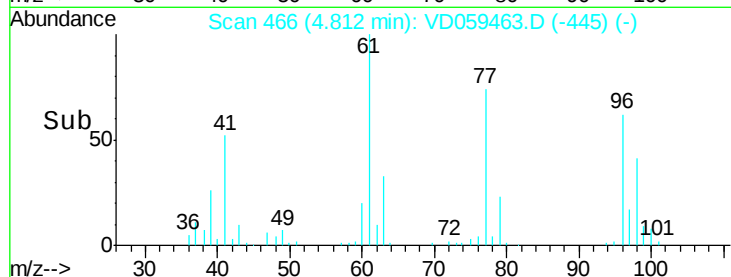
98 65.3 0.0 141.0



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



#28

Bromochloromethane

Concen: 21.88 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

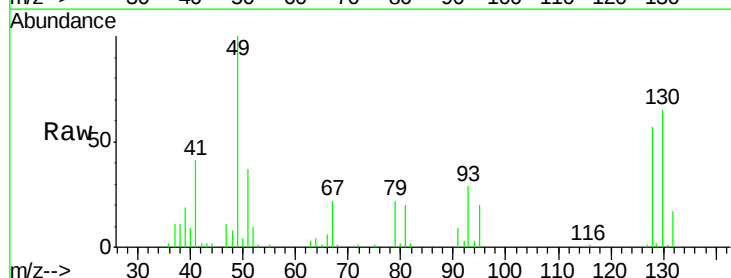
Tgt Ion: 49 Resp: 138431

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

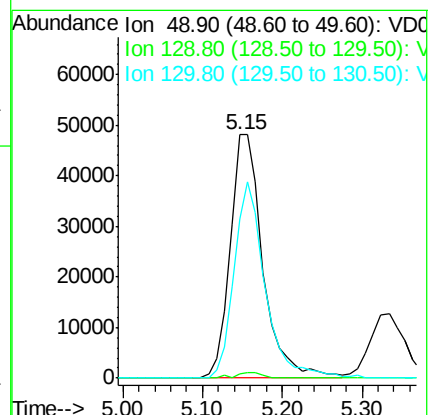
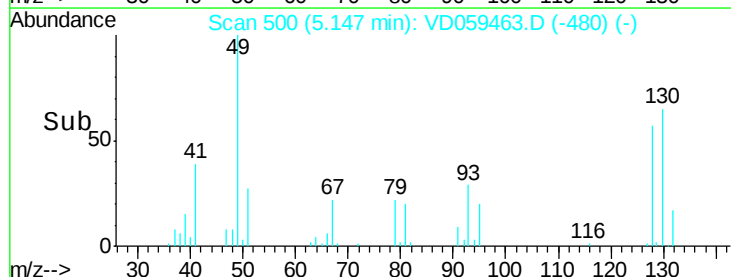
130 65.1 57.0 85.6

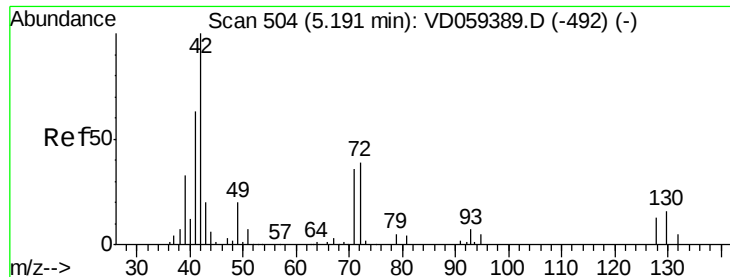


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

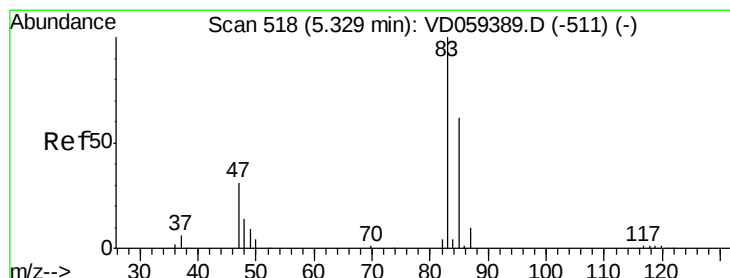
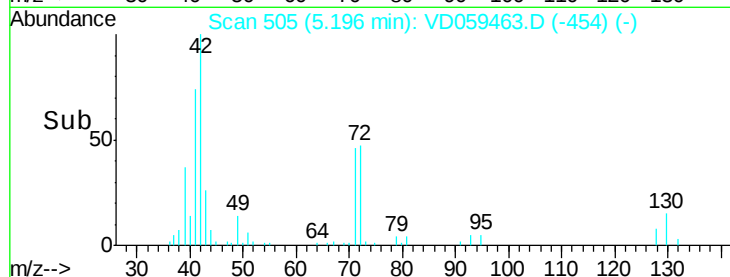
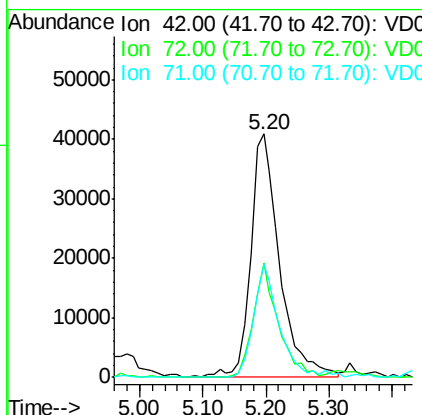
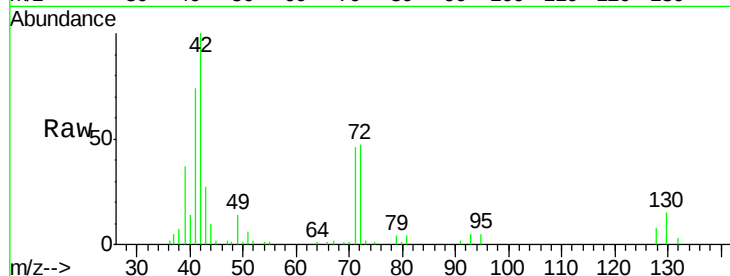




#29
Tetrahydrofuran
Concen: 98.38 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

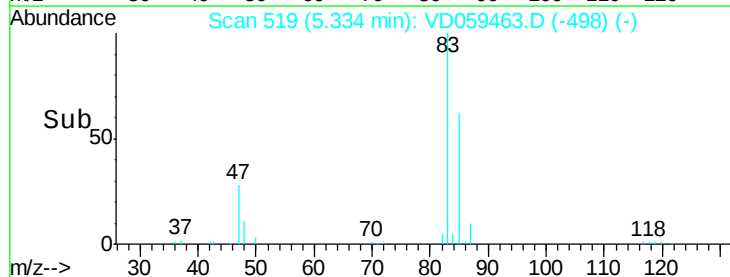
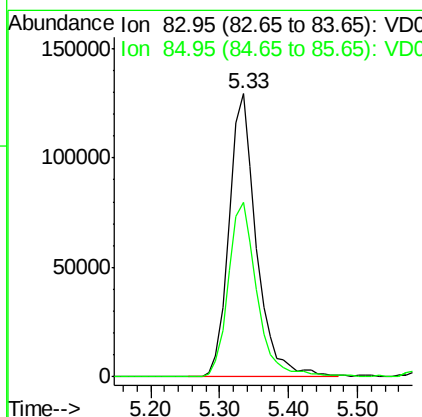
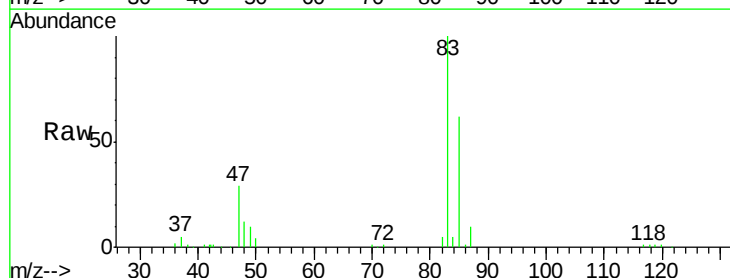
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

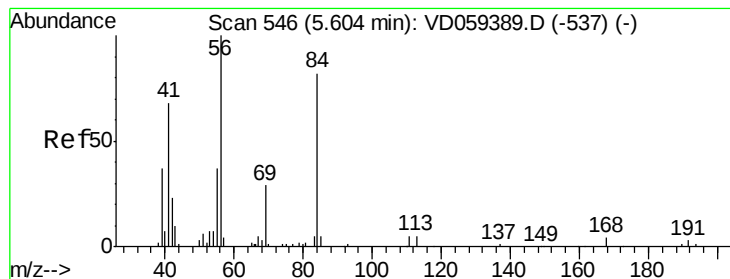
Tot Ion: 42 Resp: 130759
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 41.5 29.7 44.5



#30
Chloroform
Concen: 22.28 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 83 Resp: 354317
Ion Ratio Lower Upper
83 100
85 61.5 49.3 73.9





#31

Cyclohexane

Concen: 22.92 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

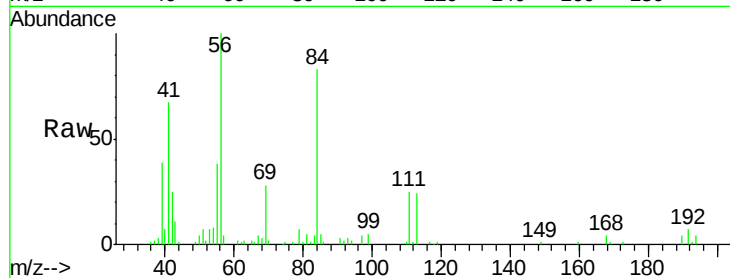
Tot Ion: 56 Resp: 241020

Ion Ratio Lower Upper

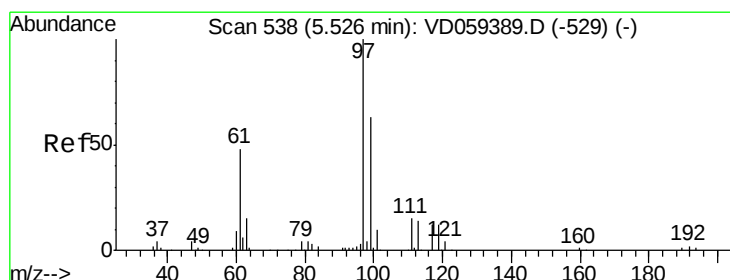
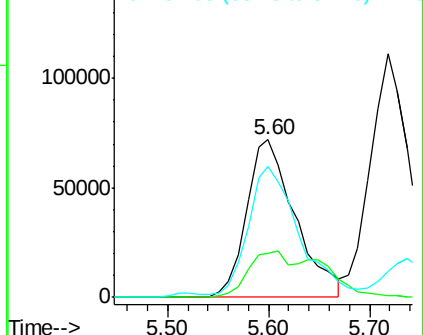
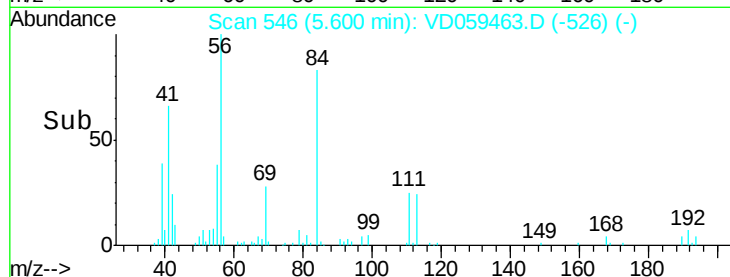
56 100

69 27.6 22.9 34.3

84 83.0 67.3 100.9



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: 22.20 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

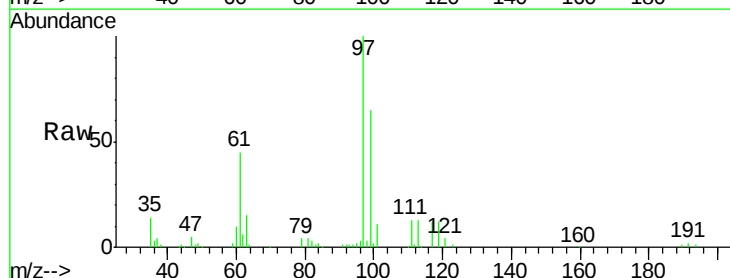
Tgt Ion: 97 Resp: 285905

Ion Ratio Lower Upper

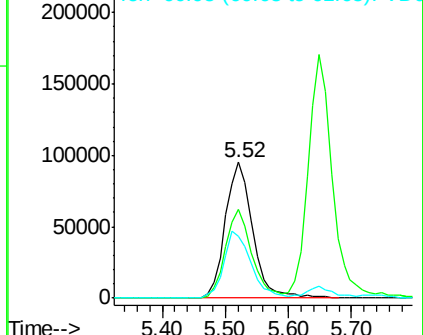
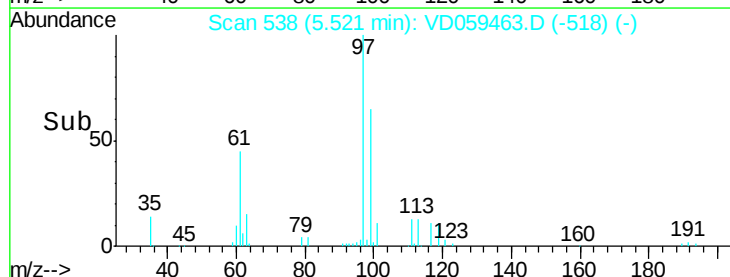
97 100

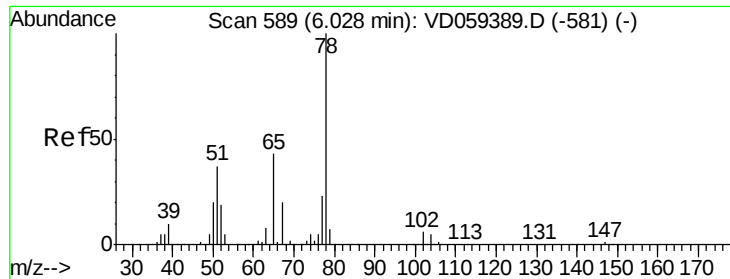
99 65.2 50.2 75.4

61 45.2 38.6 57.8



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

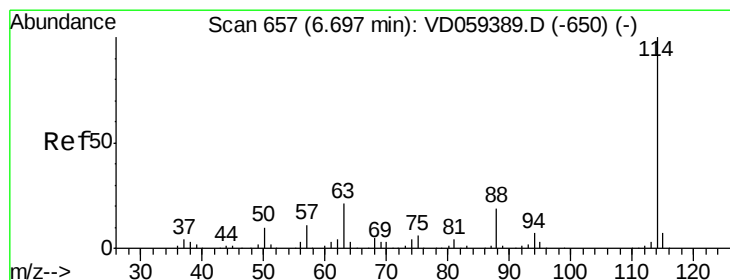
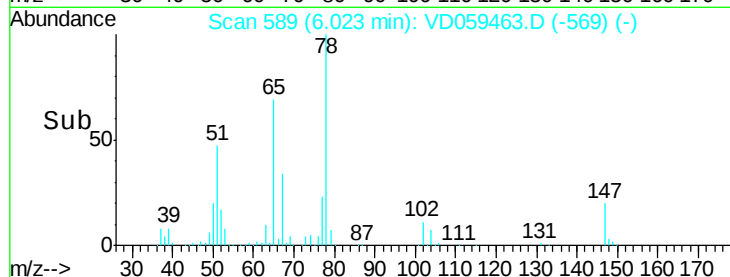
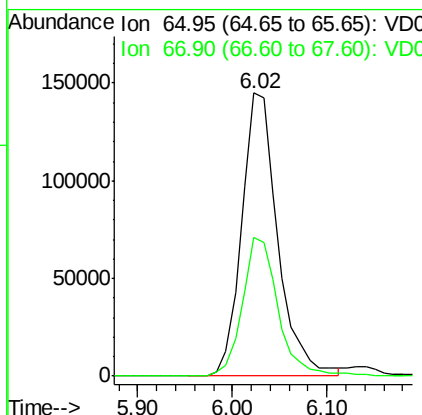
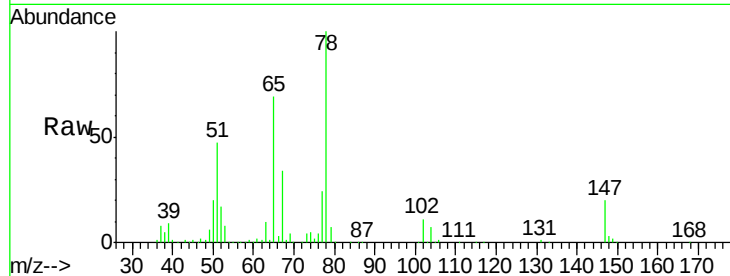




#33
 1,2-Dichloroethane-d4
 Concen: 22.20 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

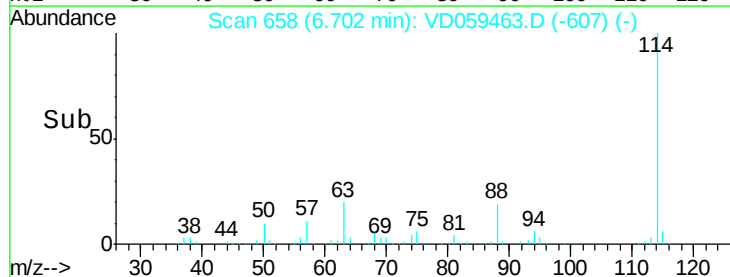
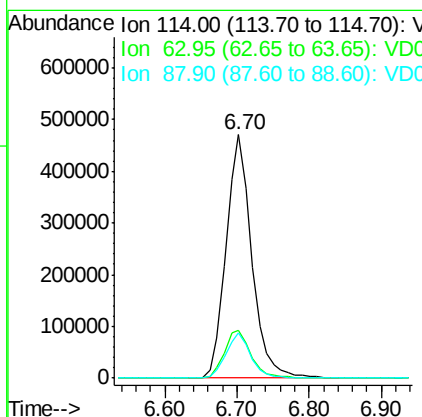
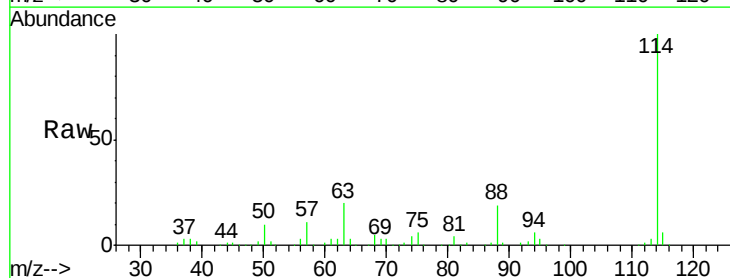
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

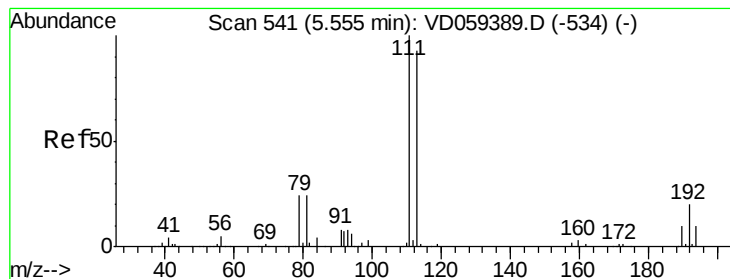
Tot Ion: 65 Resp: 382363
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 114 Resp: 1162935
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 18.6 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

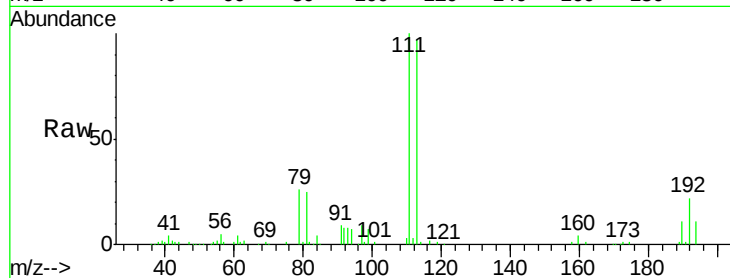
Tot Ion:113 Resp: 407186

Ion Ratio Lower Upper

113 100

111 102.9 85.7 128.5

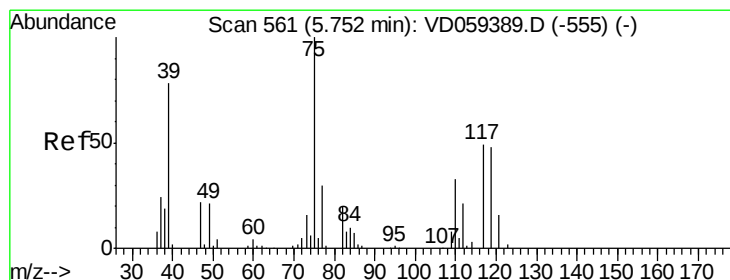
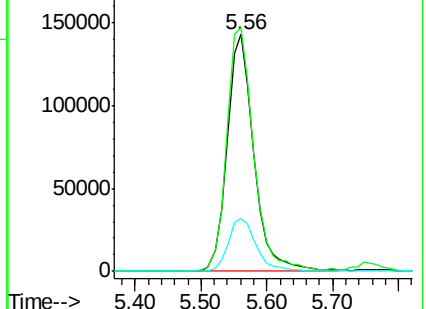
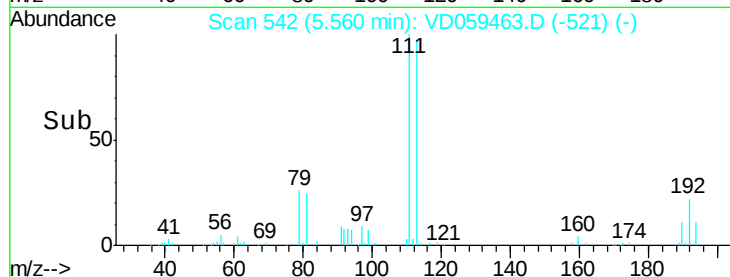
192 22.1 16.9 25.3



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: 22.43 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

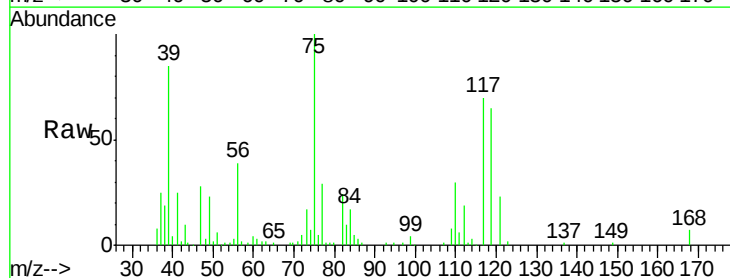
Tgt Ion: 75 Resp: 236654

Ion Ratio Lower Upper

75 100

110 30.3 16.1 48.2

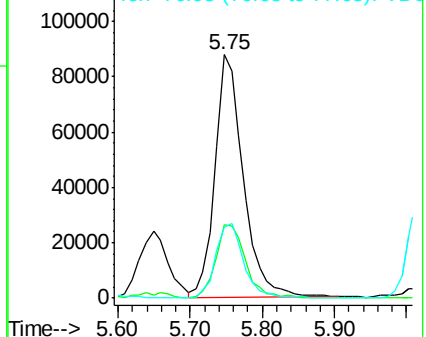
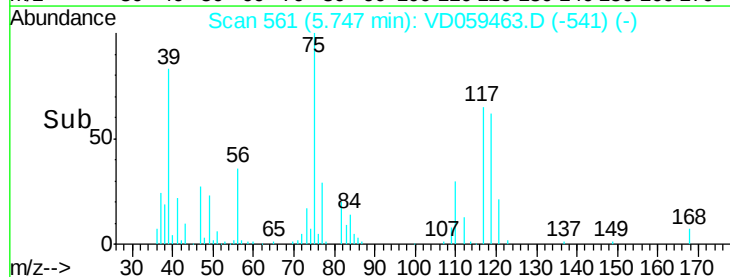
77 29.2 23.4 35.2

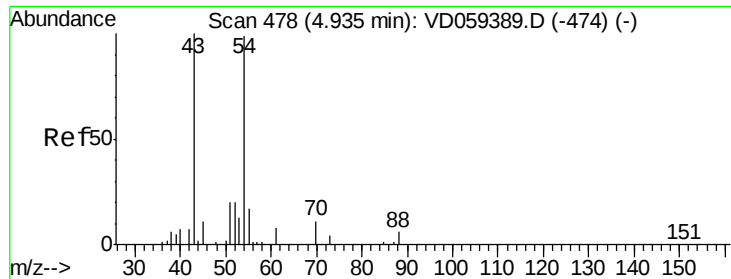


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

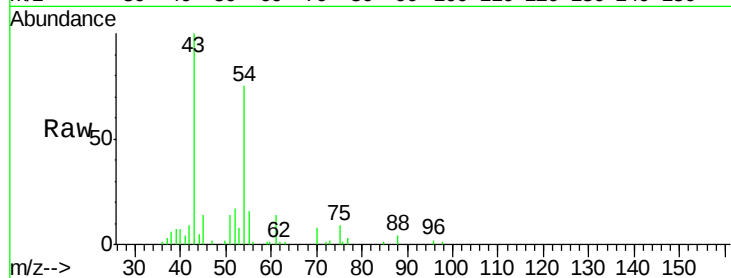




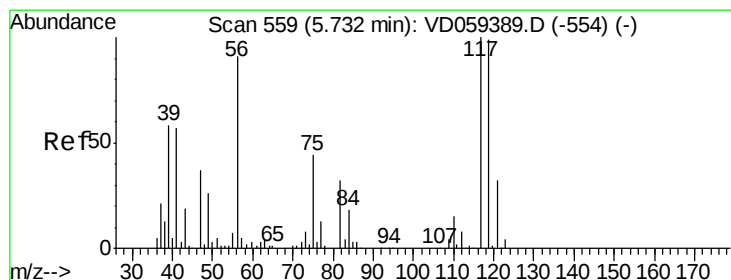
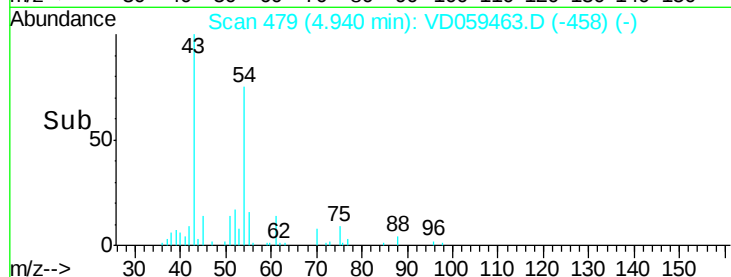
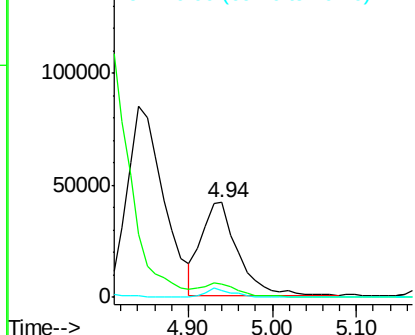
#37
Ethyl Acetate
Concen: 19.48 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 43 Resp: 125163
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 7.6 6.1 9.1

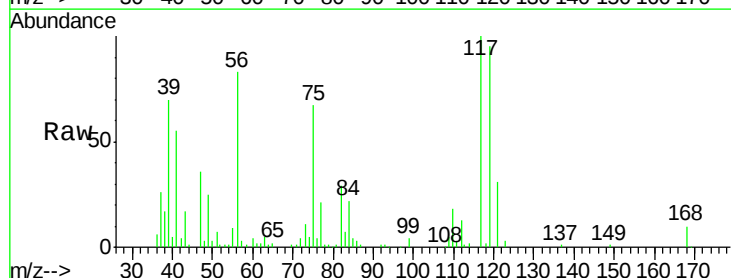


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

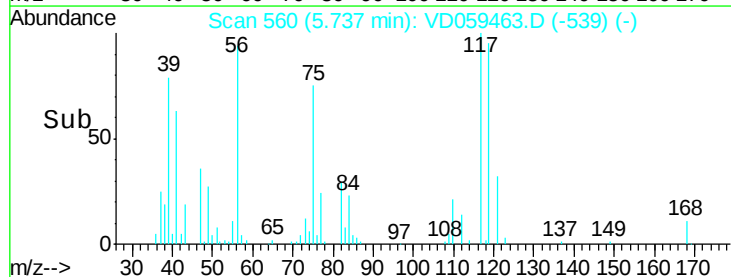
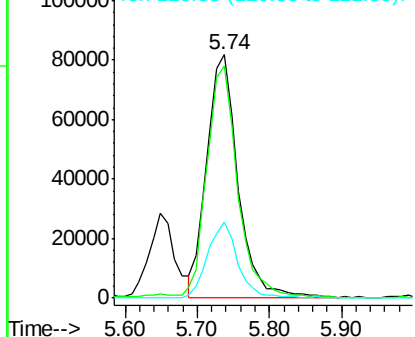


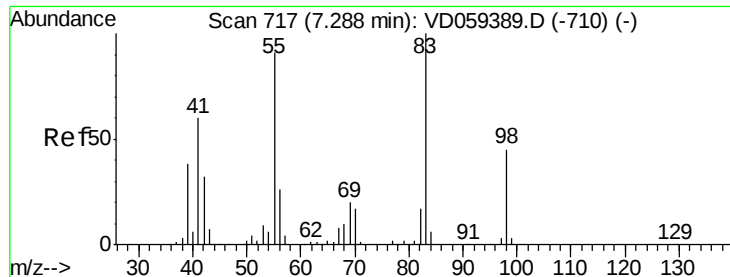
#38
Carbon Tetrachloride
Concen: 22.59 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 117 Resp: 245734
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0
121 31.1 25.0 37.4



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

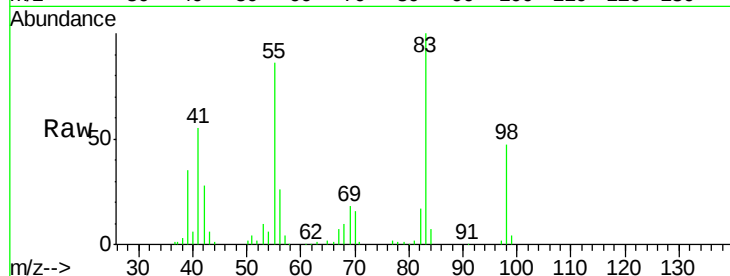




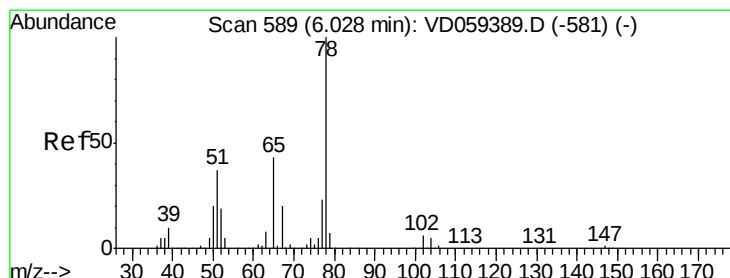
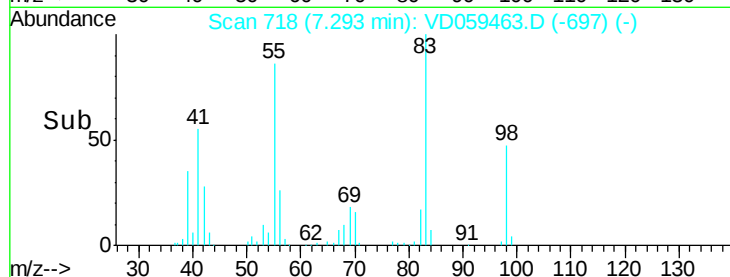
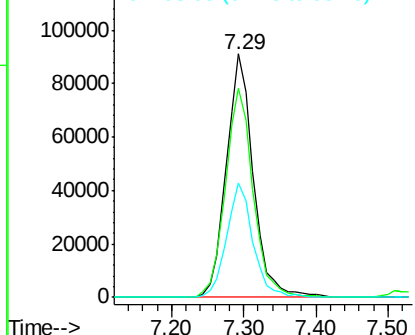
#39
Methvlcvclohexane
Concen: 23.59 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 83 Resp: 236022
Ion Ratio Lower Upper
83 100
55 86.1 72.6 109.0
98 46.8 35.8 53.6

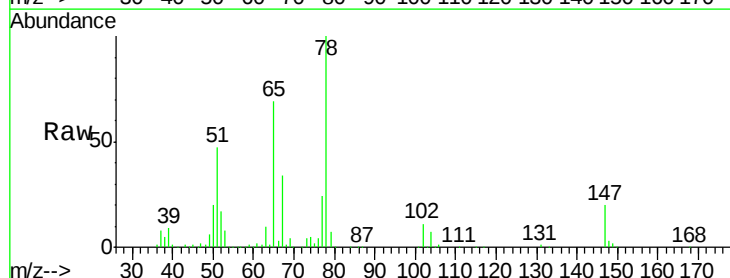


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

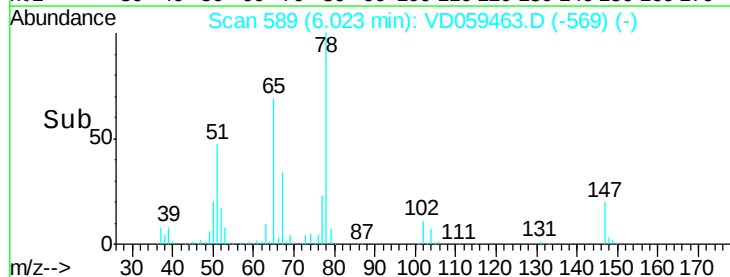
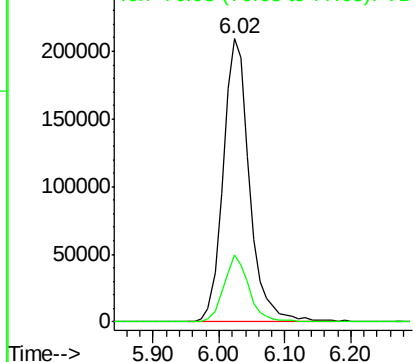


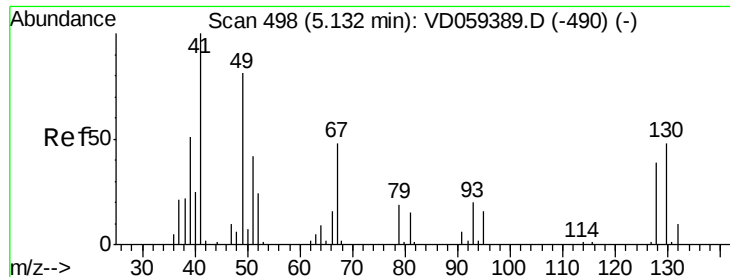
#40
Benzene
Concen: 23.08 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 78 Resp: 584417
Ion Ratio Lower Upper
78 100
77 23.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.76 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

Tot Ion: 41 Resp: 64238

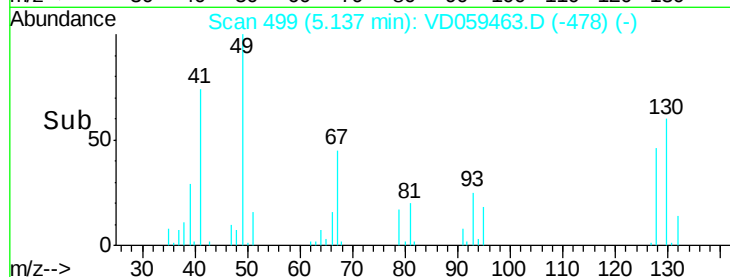
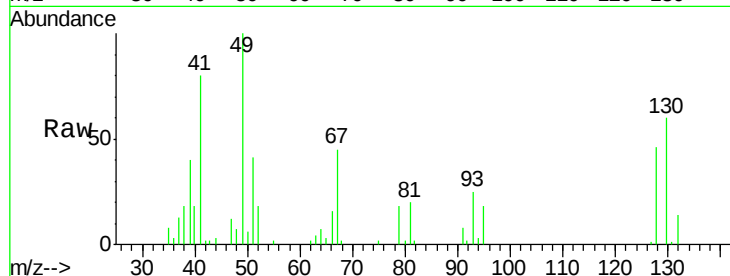
Ion Ratio Lower Upper

41 100

39 49.6 41.5 62.3

67 56.1 38.7 58.1

52 22.4 19.4 29.2

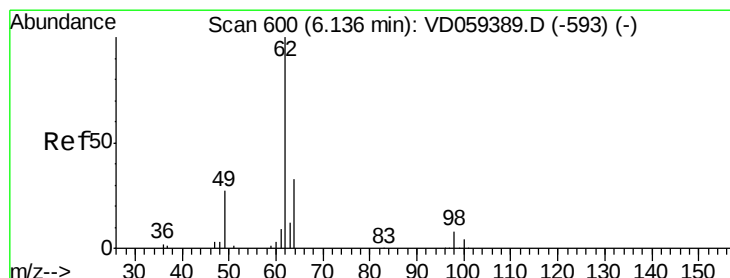
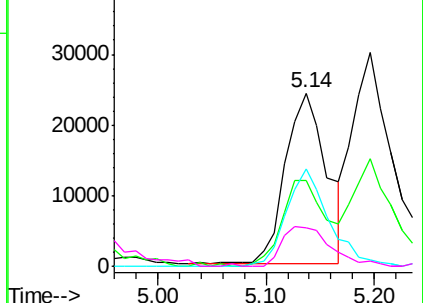


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.71 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD059463.D

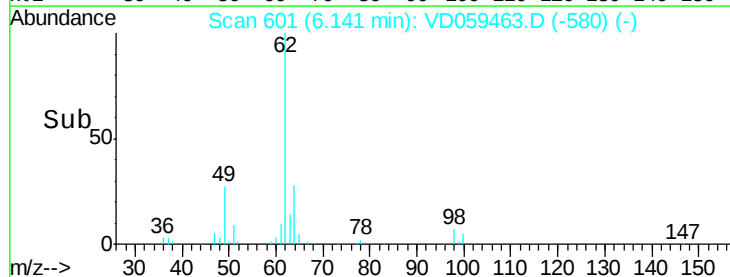
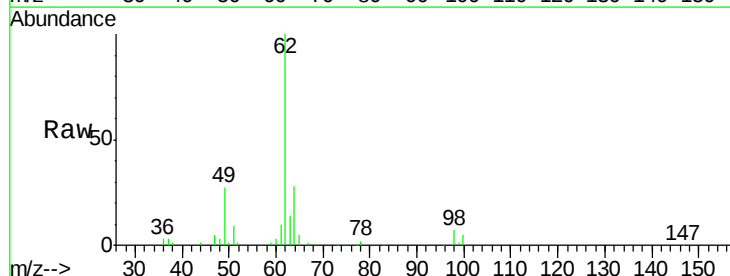
Acq: 28 Jun 2018 15:27

Tgt Ion: 62 Resp: 231689

Ion Ratio Lower Upper

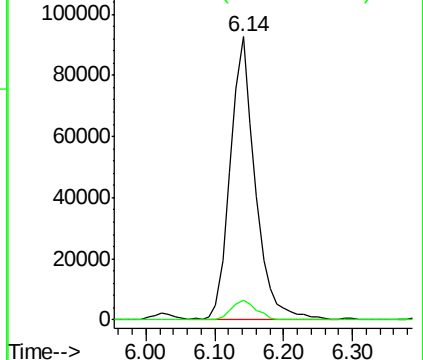
62 100

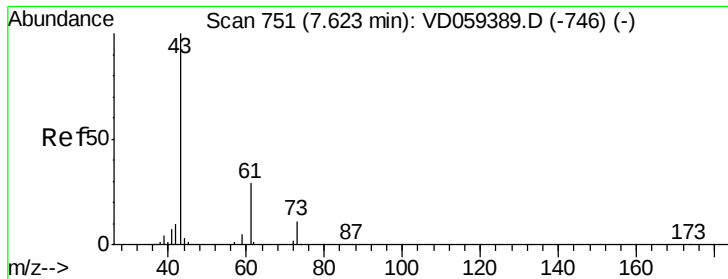
98 7.0 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



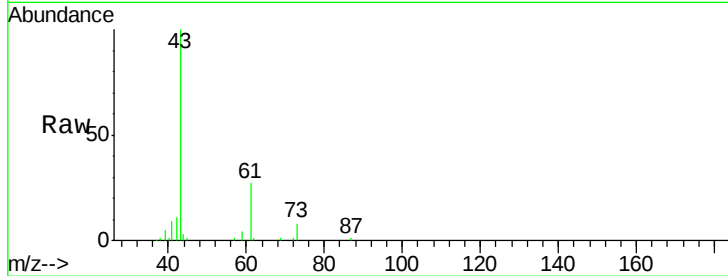


#43

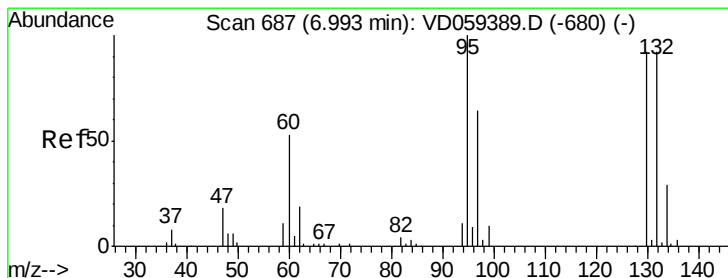
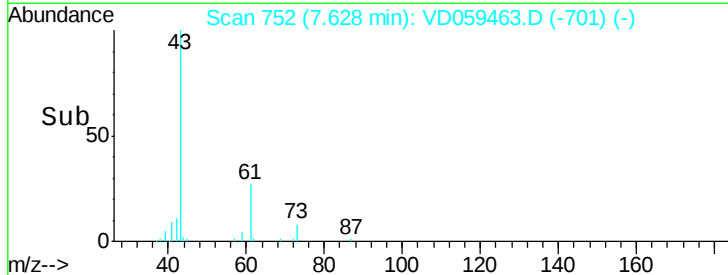
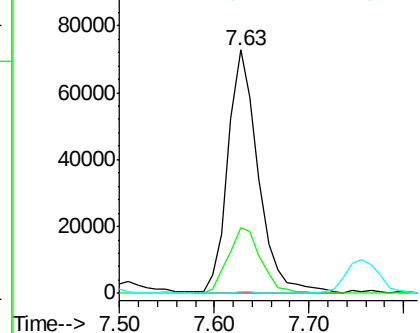
Isopropyl Acetate
 Concen: 20.15 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Tot Ion: 43 Resp: 162593
 Ion Ratio Lower Upper
 43 100
 61 26.8 23.1 34.7
 87 0.6 0.2 0.4#



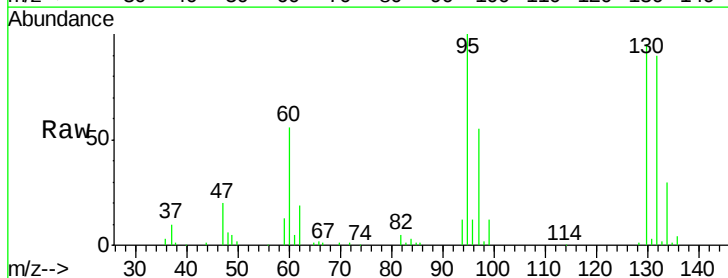
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



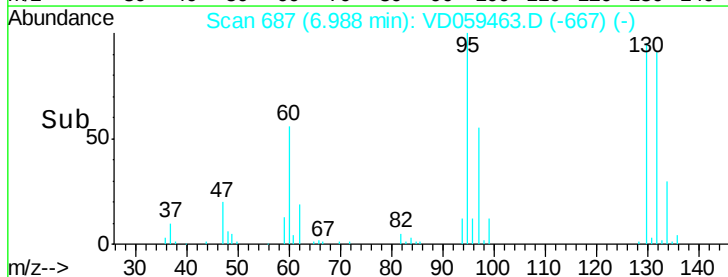
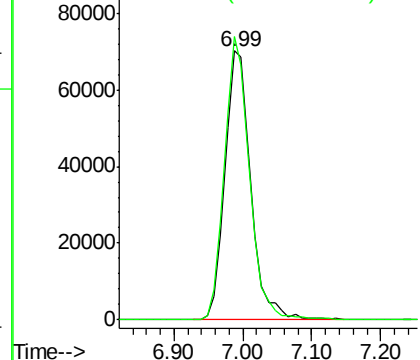
#44

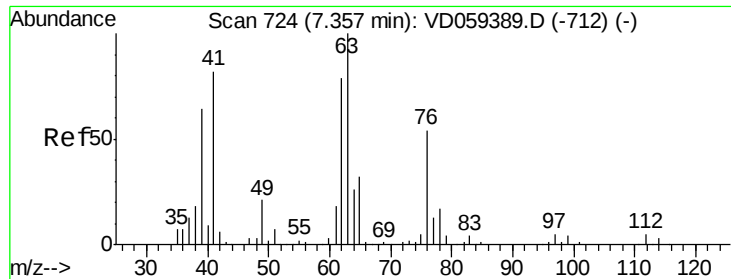
Trichloroethene
 Concen: 21.95 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:130 Resp: 181958
 Ion Ratio Lower Upper
 130 100
 95 105.3 0.0 216.4



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





#45

1,2-Dichloropropane

Concen: 21.43 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

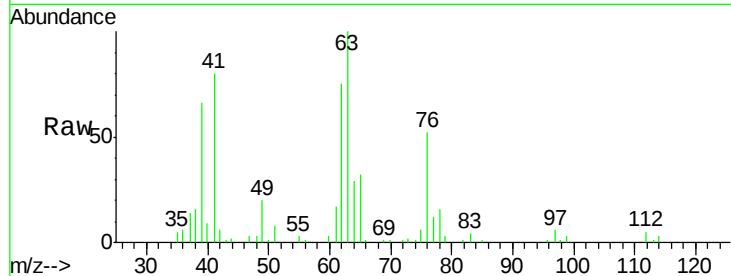
VD0628SBS01

Tot Ion: 63 Resp: 150244

Ion Ratio Lower Upper

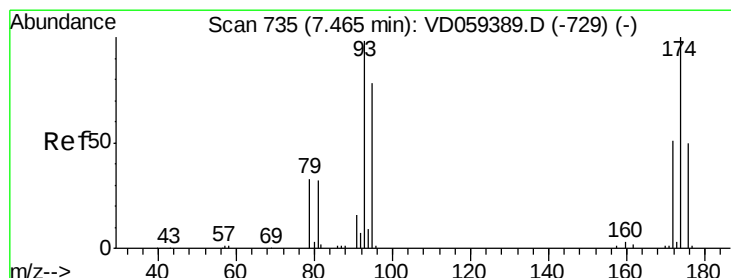
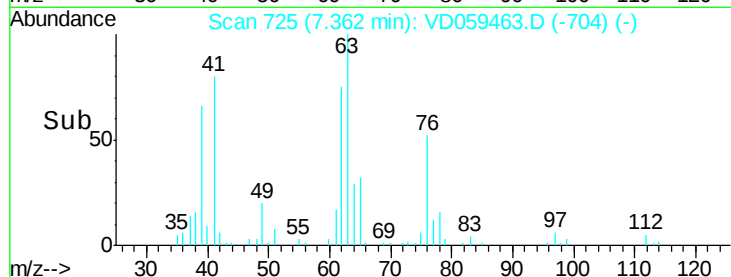
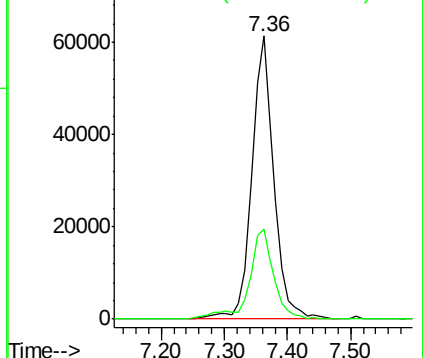
63 100

65 31.7 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.20 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

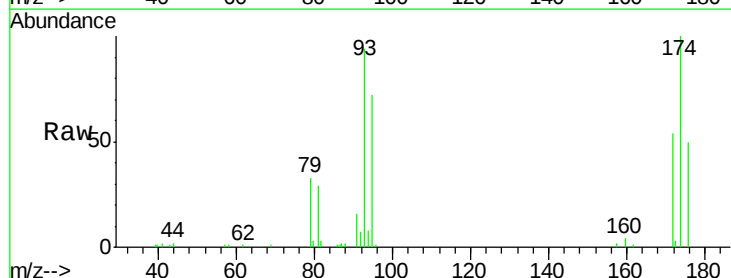
Tgt Ion: 93 Resp: 106896

Ion Ratio Lower Upper

93 100

95 76.3 63.4 95.0

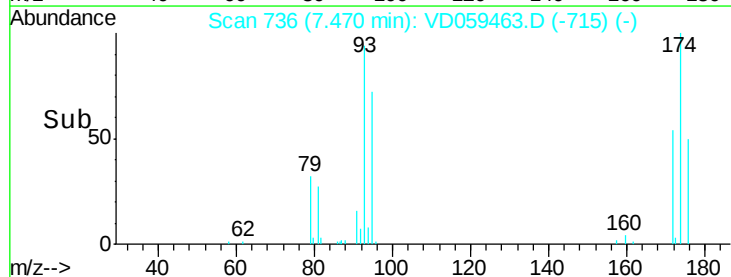
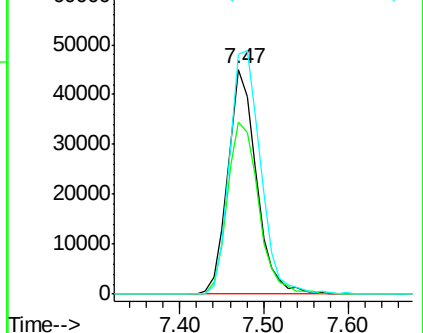
174 106.7 81.4 122.2

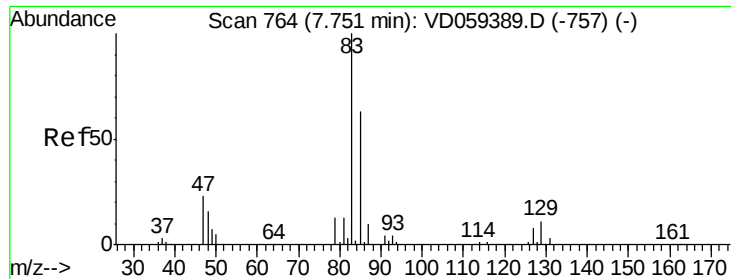


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.17 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

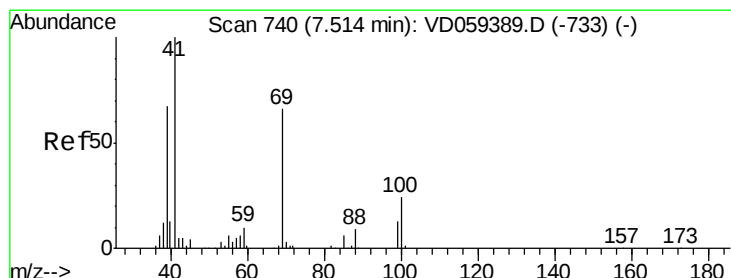
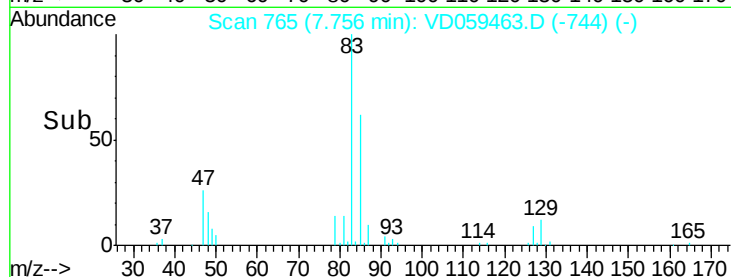
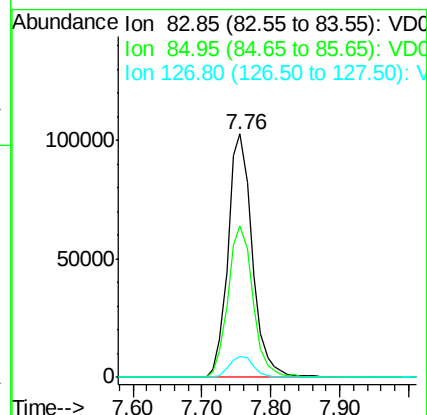
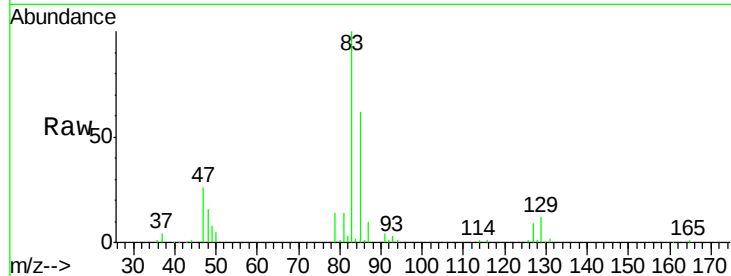
Tot Ion: 83 Resp: 250163

Ion Ratio Lower Upper

83 100

85 62.4 50.1 75.1

127 8.7 6.1 9.1



#48

Methyl methacrylate

Concen: 20.59 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

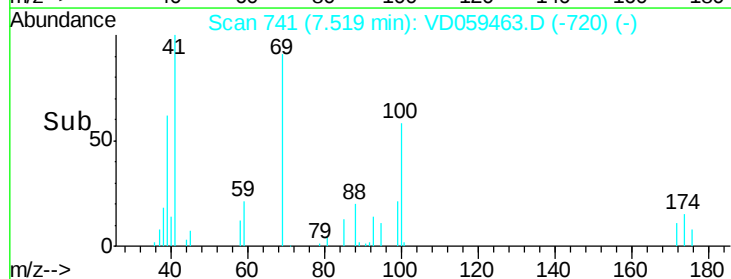
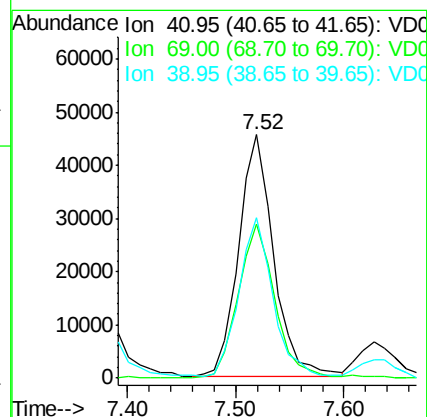
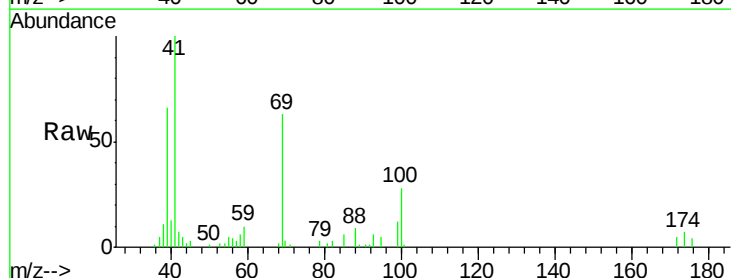
Tgt Ion: 41 Resp: 101190

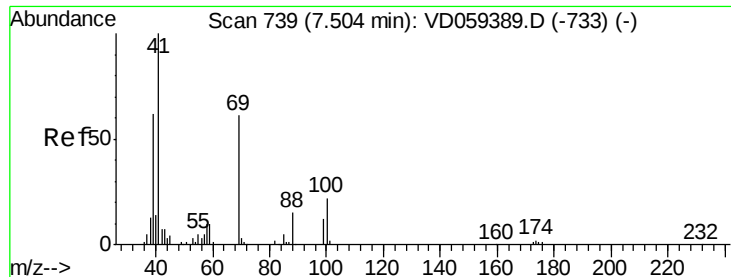
Ion Ratio Lower Upper

41 100

69 63.3 52.6 79.0

39 65.9 53.6 80.4





#49

1,4-Dioxane

Concen: 427.23 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

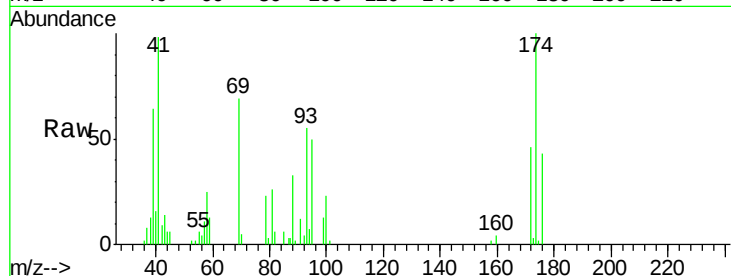
Tot Ion: 88 Resp: 21061

Ion Ratio Lower Upper

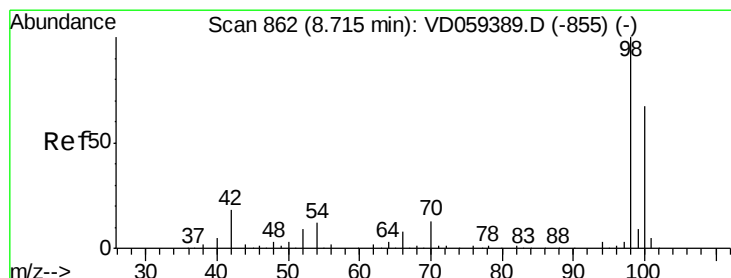
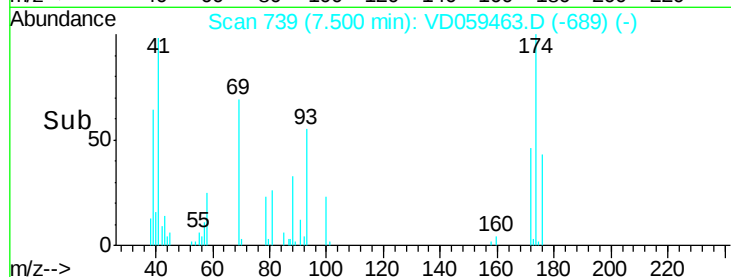
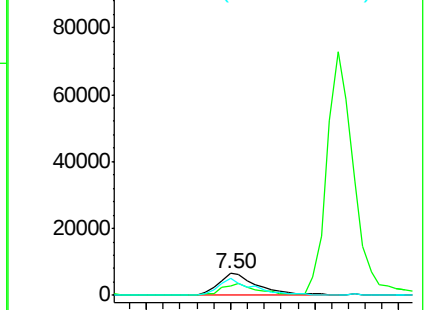
88 100

43 42.9 41.0 61.4

58 76.6 53.4 80.0



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



#50

Toluene-d8

Concen: 427.23 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059463.D

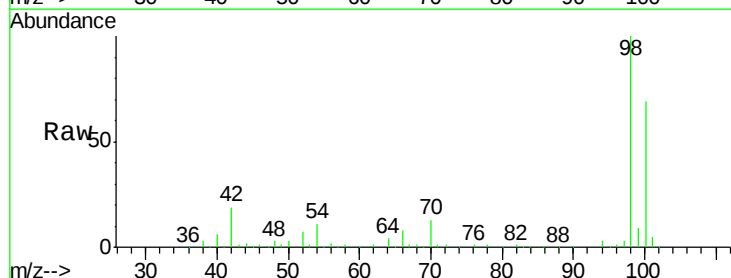
Acq: 28 Jun 2018 15:27

Tgt Ion: 98 Resp: 916873

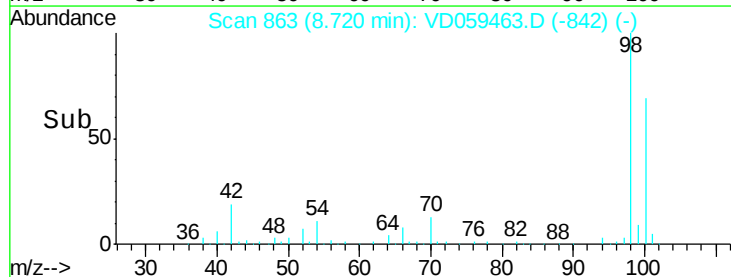
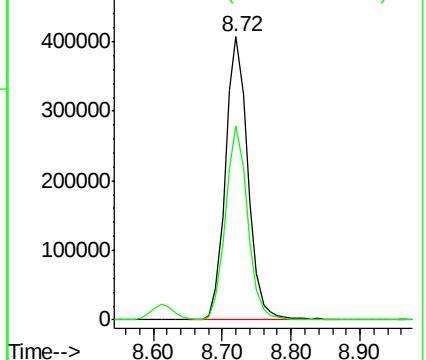
Ion Ratio Lower Upper

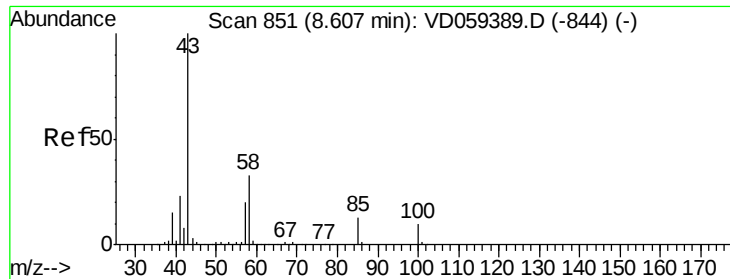
98 100

100 68.5 54.4 81.6



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: 100.87 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

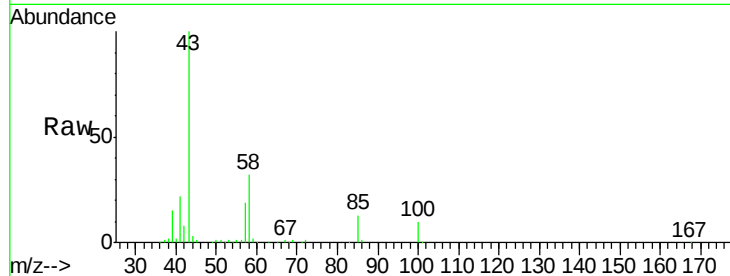
VD0628SBS01

Tot Ion: 43 Resp: 542305

Ion Ratio Lower Upper

43 100

58 31.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

250000

200000

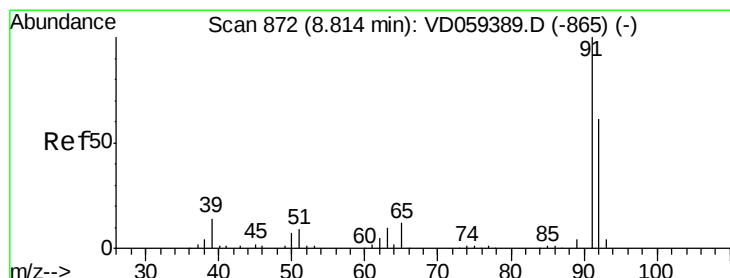
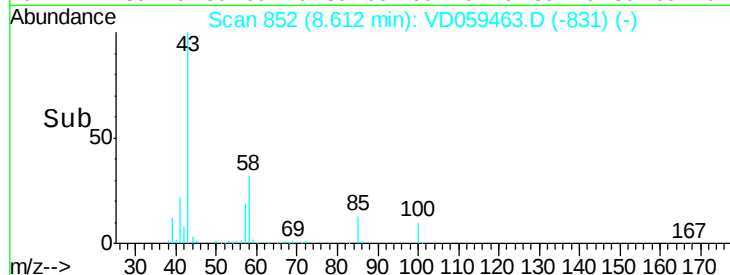
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.76 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD059463.D

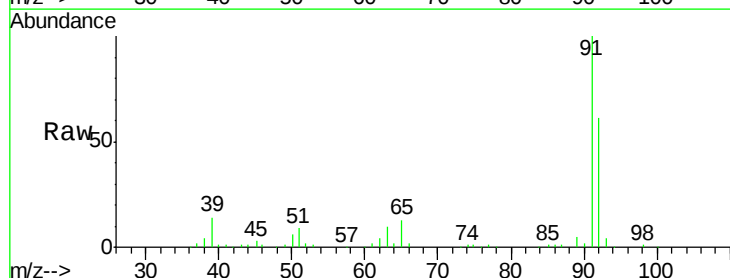
Acq: 28 Jun 2018 15:27

Tgt Ion: 92 Resp: 329038

Ion Ratio Lower Upper

92 100

91 164.2 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.82

250000

200000

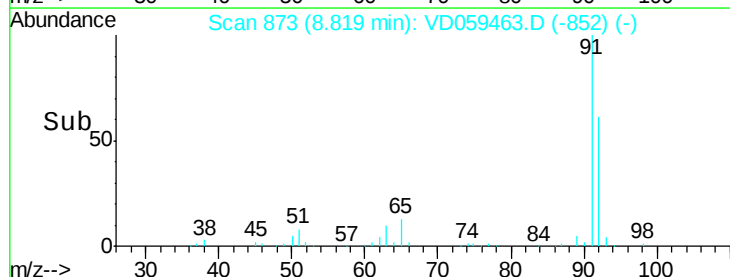
150000

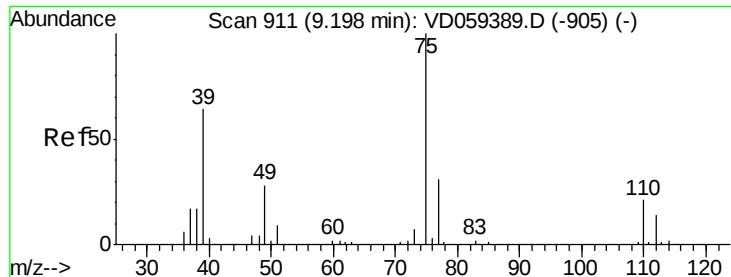
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.98 ug/l

RT: 9.20 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

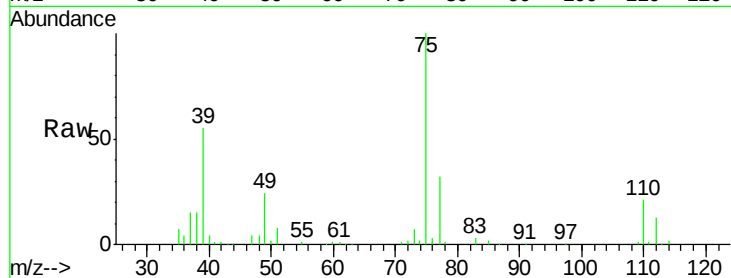
VD0628SBS01

Tot Ion: 75 Resp: 216628

Ion Ratio Lower Upper

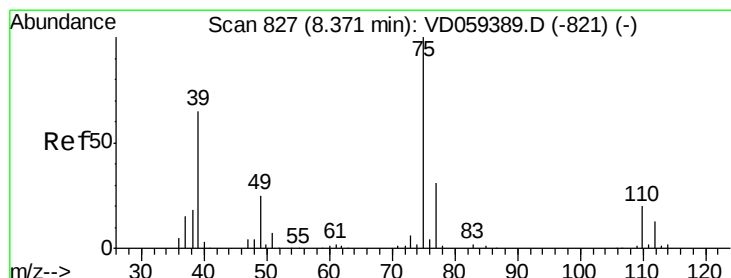
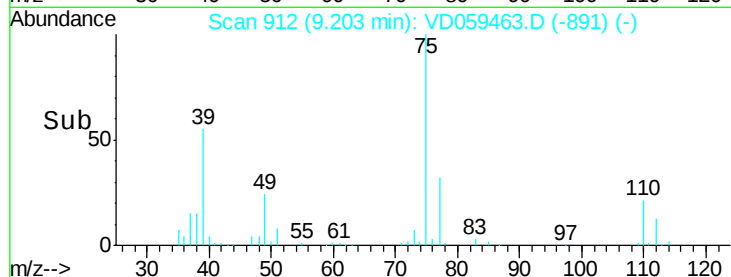
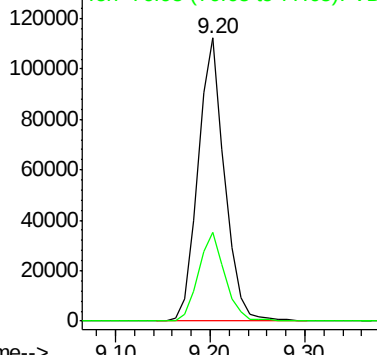
75 100

77 31.6 24.6 37.0



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: 22.48 ug/l

RT: 8.38 min Scan# 828

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

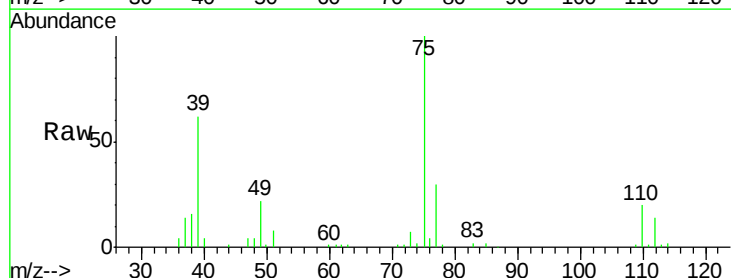
Tgt Ion: 75 Resp: 245413

Ion Ratio Lower Upper

75 100

77 29.9 24.7 37.1

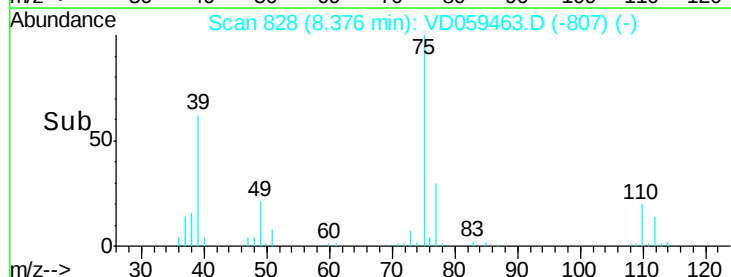
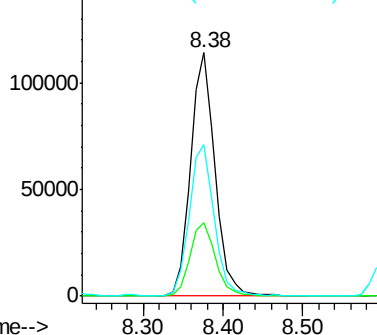
39 62.4 52.2 78.4

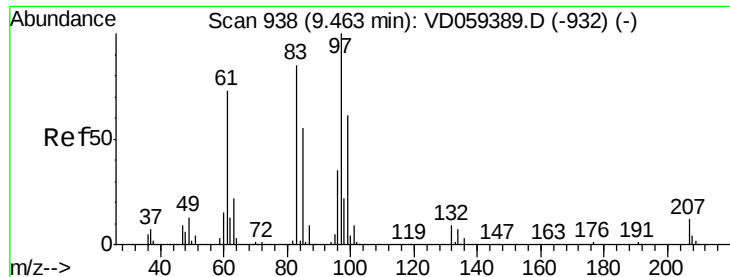


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.26 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

Tot Ion: 97 Resp: 116713

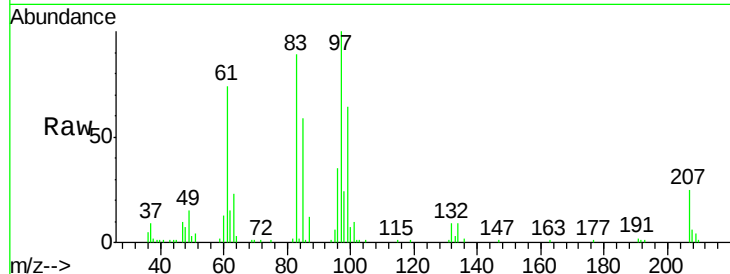
Ion Ratio Lower Upper

97 100

83 88.9 67.7 101.5

85 59.1 44.3 66.5

99 63.9 48.6 73.0

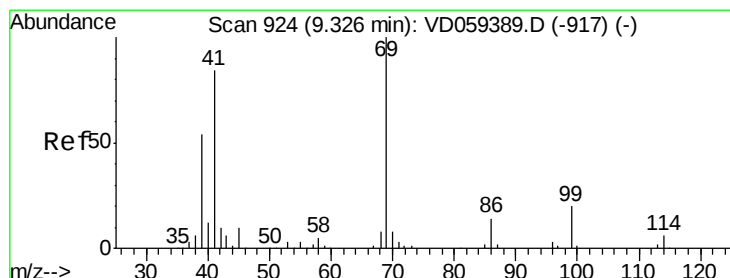
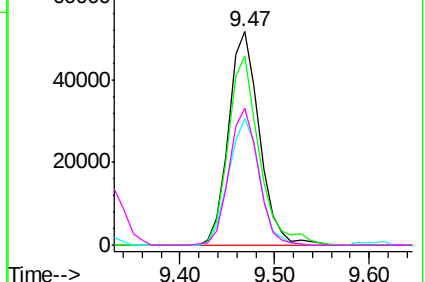
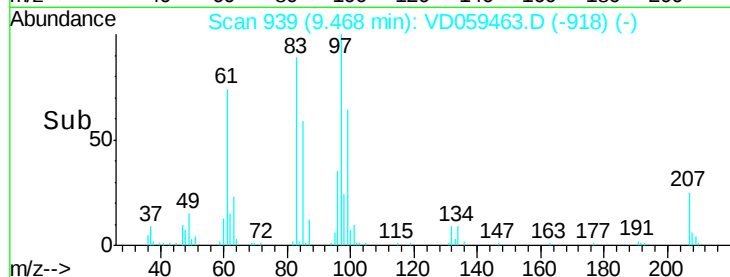


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.94 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

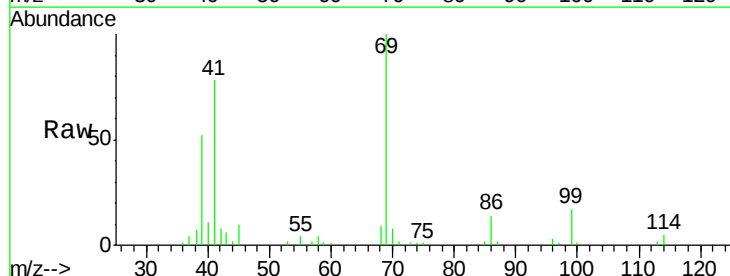
Tgt Ion: 69 Resp: 131156

Ion Ratio Lower Upper

69 100

41 77.7 67.4 101.0

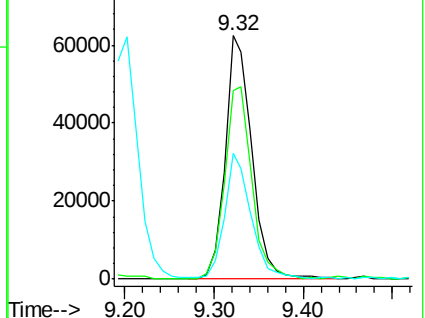
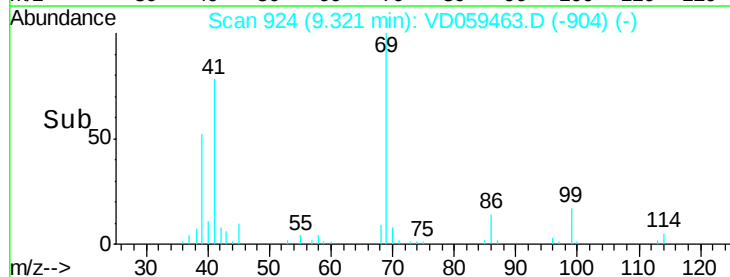
39 51.7 43.7 65.5

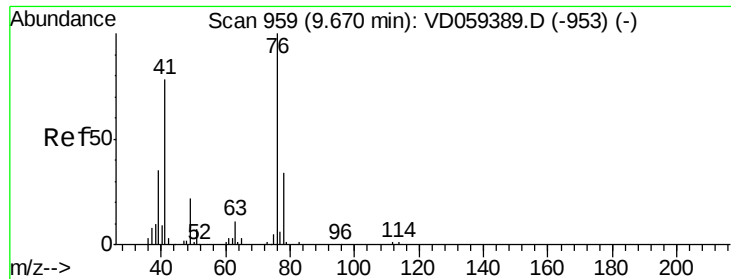


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.43 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

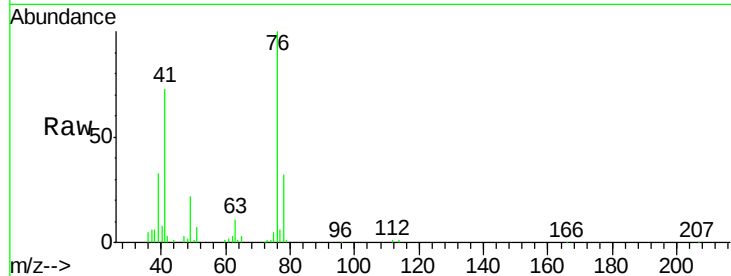
VD0628SBS01

Tot Ion: 76 Resp: 201332

Ion Ratio Lower Upper

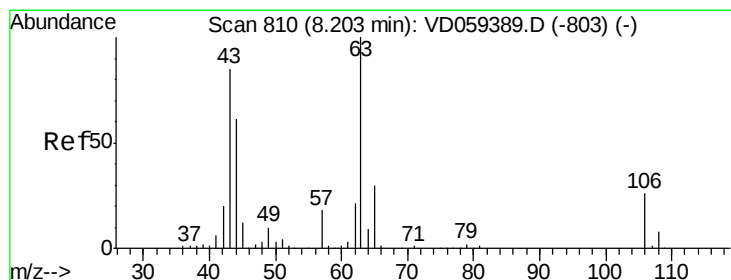
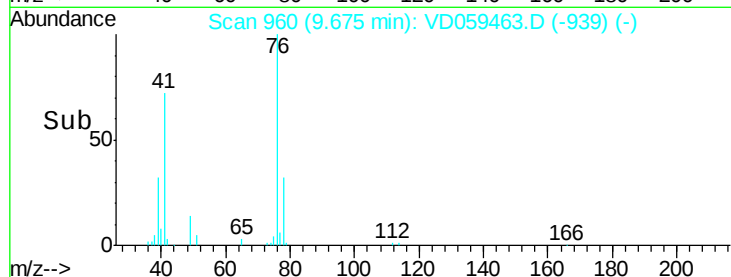
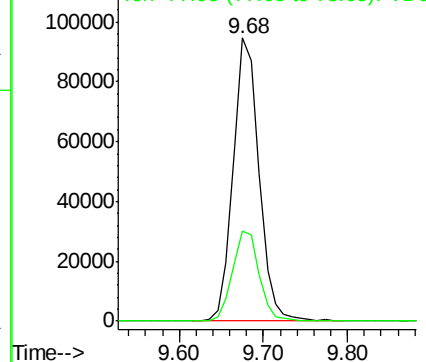
76 100

78 31.9 26.8 40.2



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: 104.78 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD059463.D

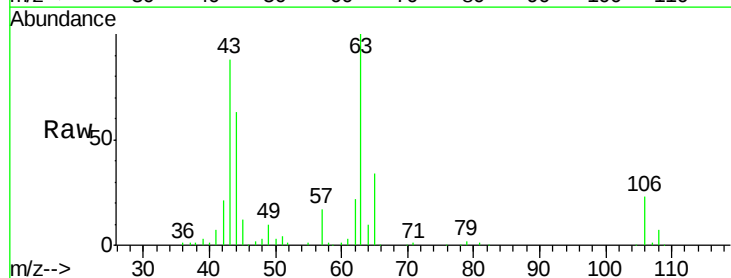
Acq: 28 Jun 2018 15:27

Tgt Ion: 63 Resp: 337869

Ion Ratio Lower Upper

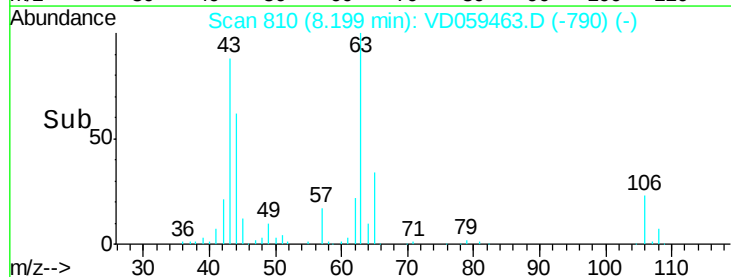
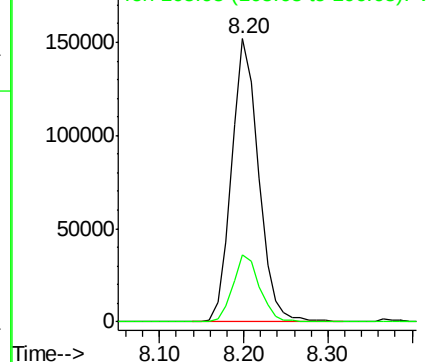
63 100

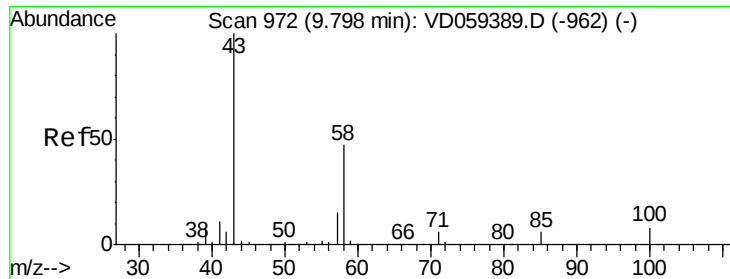
106 23.5 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

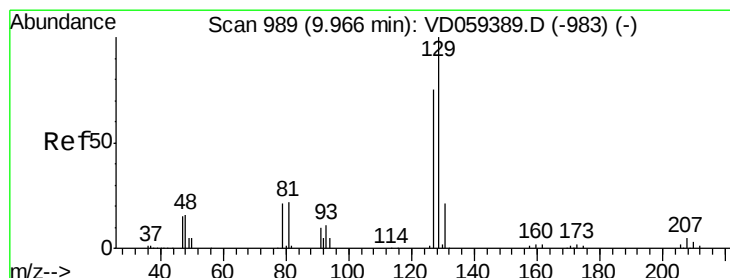
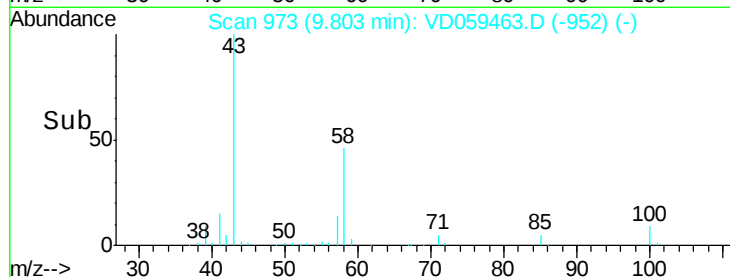
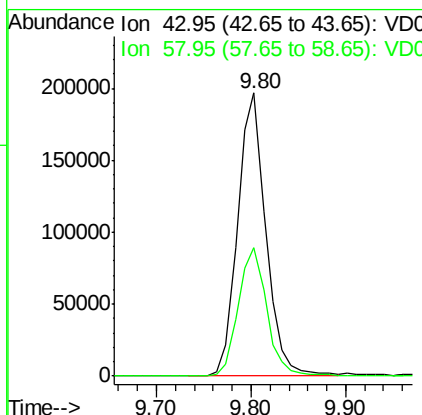
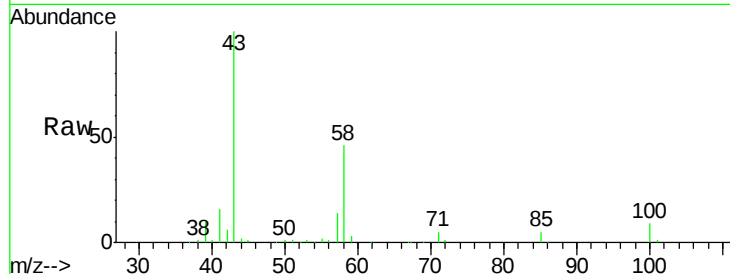




#59
2-Hexanone
Concen: 105.94 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

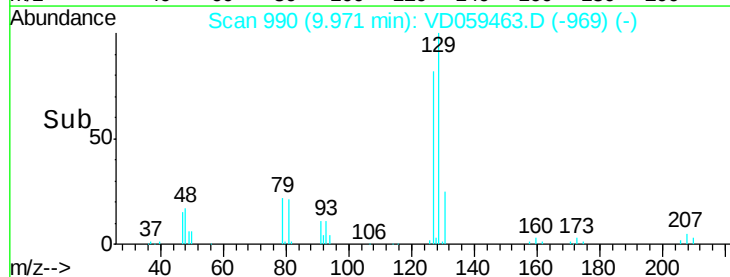
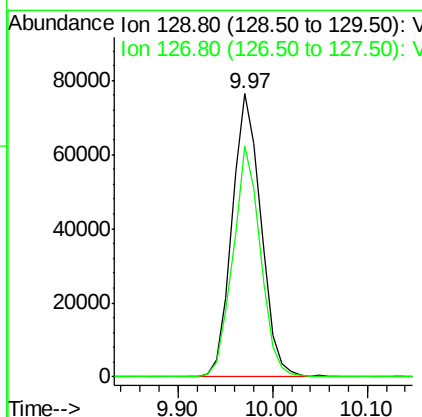
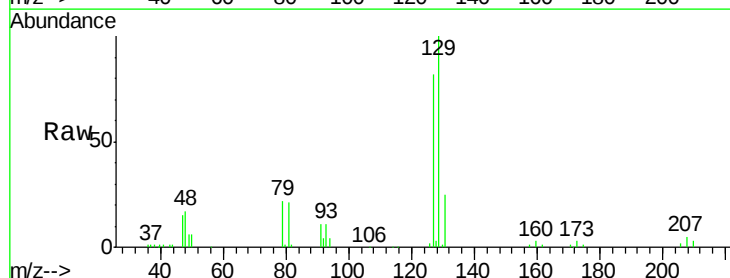
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

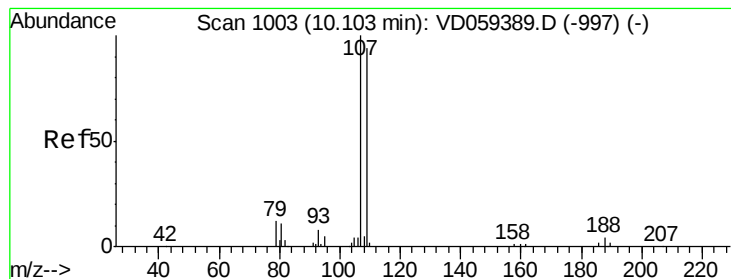
Tot Ion: 43 Resp: 404813
Ion Ratio Lower Upper
43 100
58 45.5 23.3 69.9



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 129 Resp: 161199
Ion Ratio Lower Upper
129 100
127 81.6 37.3 111.8





#61

1,2-Dibromoethane

Concen: 20.94 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

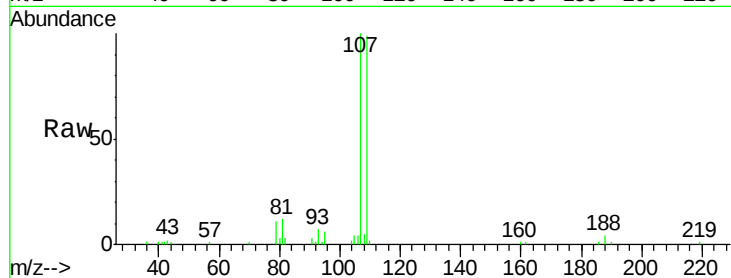
VD0628SBS01

Tot Ion:107 Resp: 127983

Ion Ratio Lower Upper

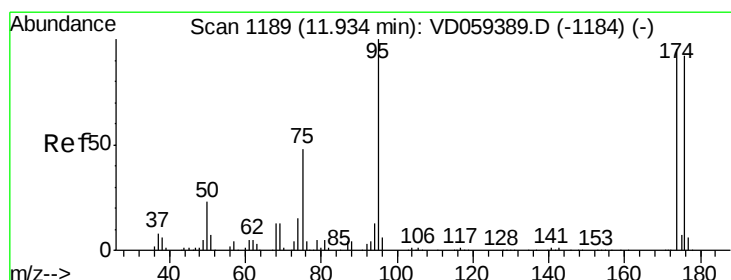
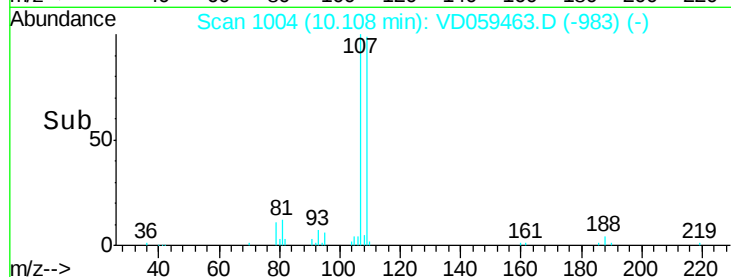
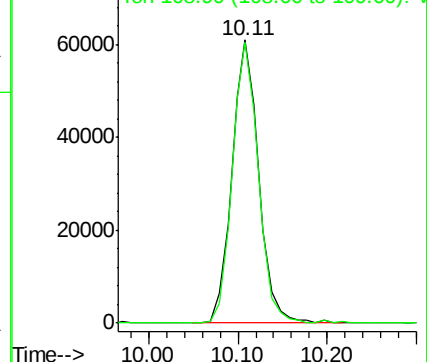
107 100

109 99.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.94 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

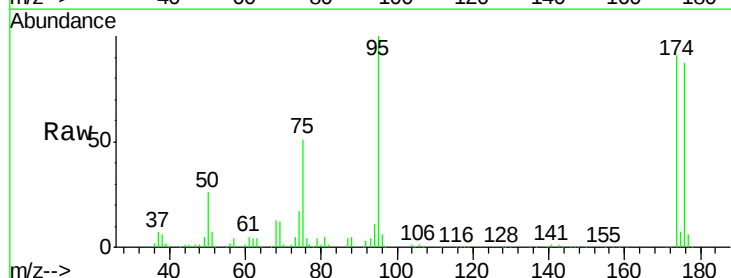
Tgt Ion: 95 Resp: 390783

Ion Ratio Lower Upper

95 100

174 91.4 0.0 190.4

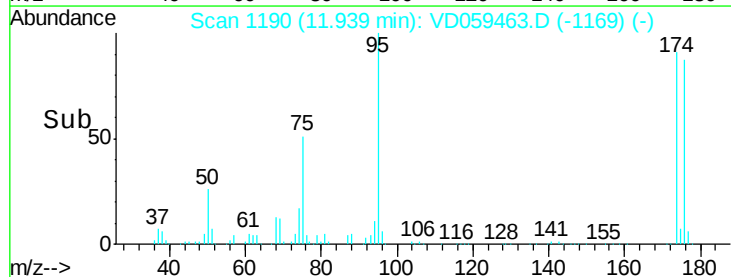
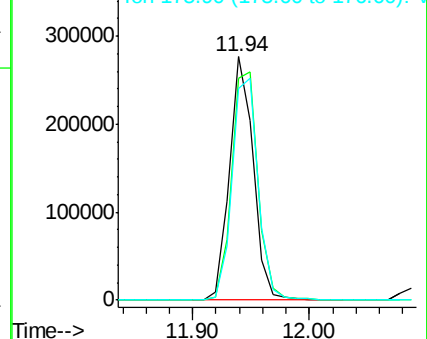
176 86.7 0.0 183.2

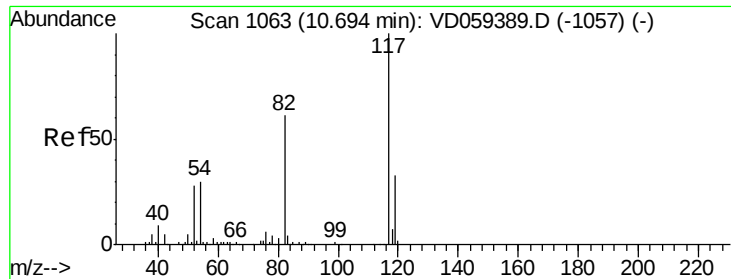


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

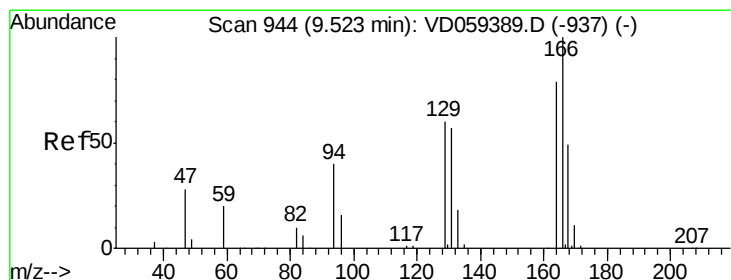
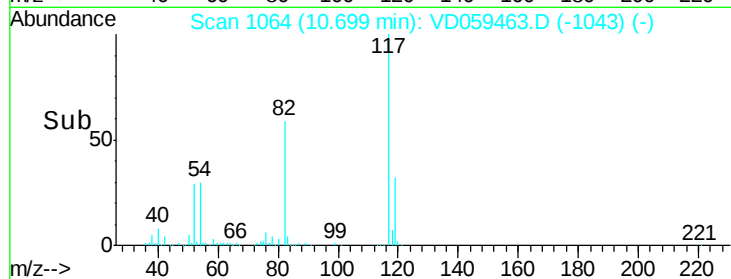
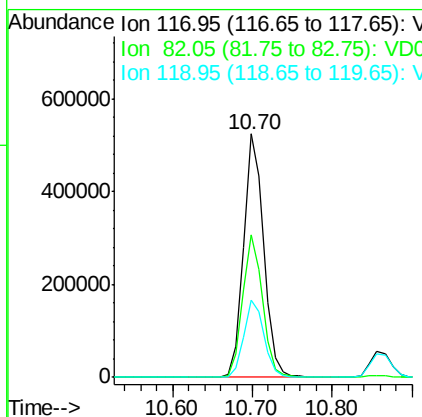
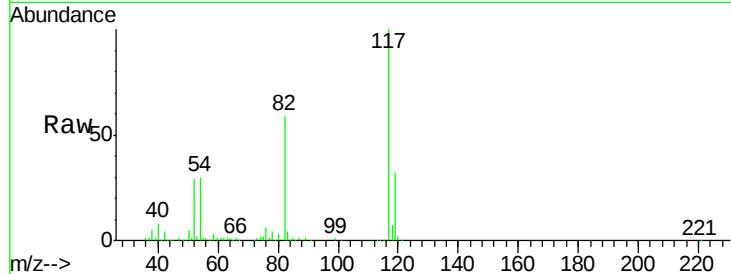




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

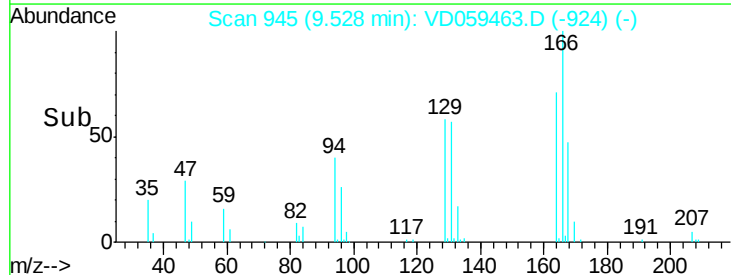
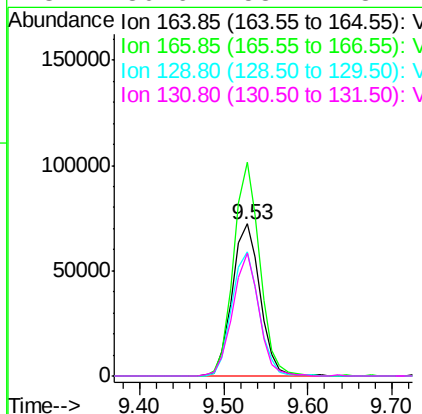
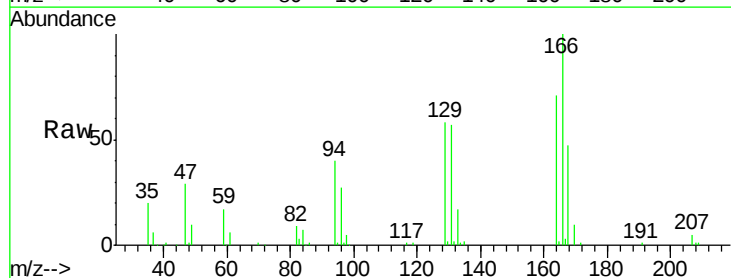
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

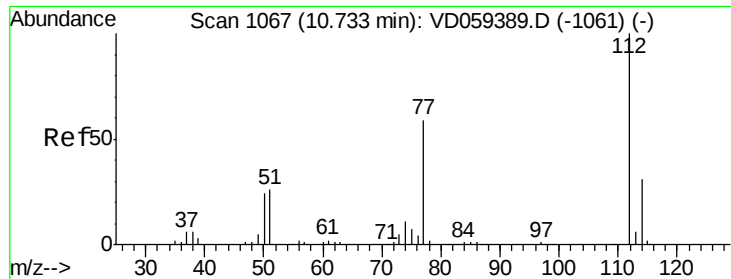
Tot Ion:117 Resp: 910590
Ion Ratio Lower Upper
117 100
82 58.7 49.0 73.6
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 20.91 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:164 Resp: 167058
Ion Ratio Lower Upper
164 100
166 140.7 101.4 152.2
129 81.6 60.9 91.3
131 80.6 58.2 87.4





#65

Chlorobenzene

Concen: 21.68 ug/l

RT: 10.74 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

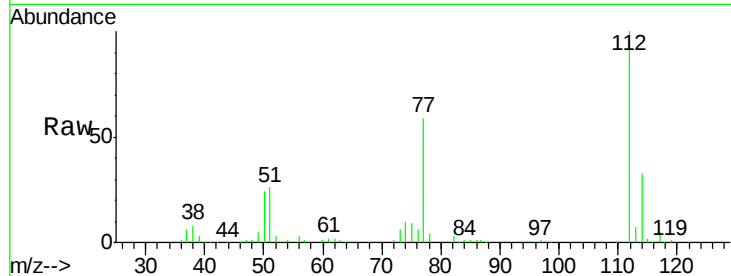
VD0628SBS01

Tot Ion:112 Resp: 361052

Ion Ratio Lower Upper

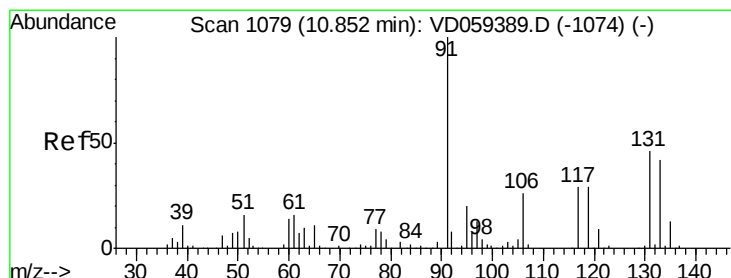
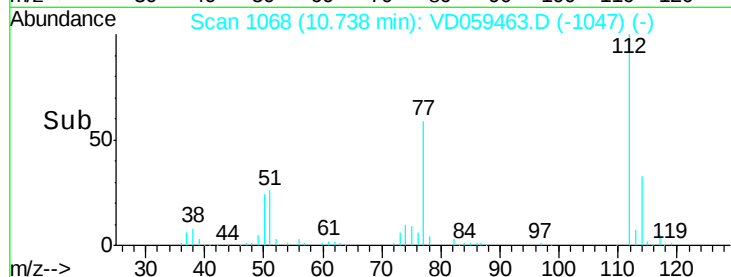
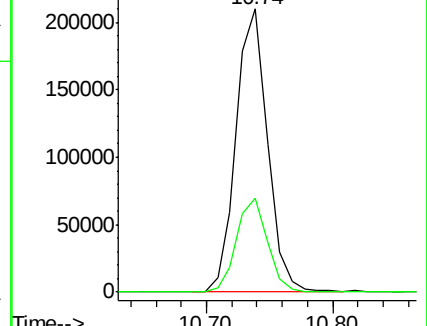
112 100

114 33.3 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.52 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

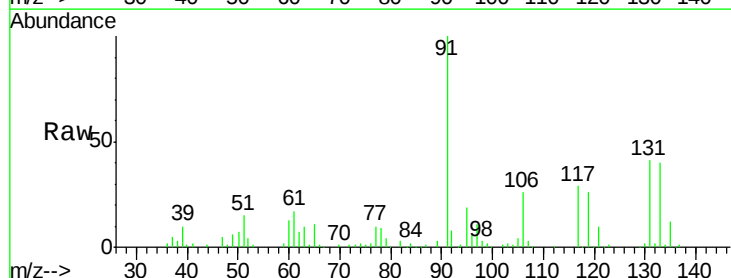
Tgt Ion:131 Resp: 150316

Ion Ratio Lower Upper

131 100

133 97.1 45.7 137.1

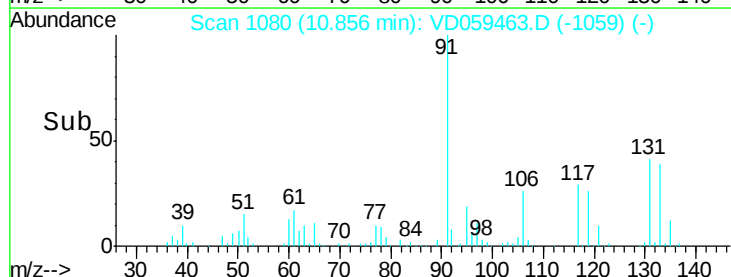
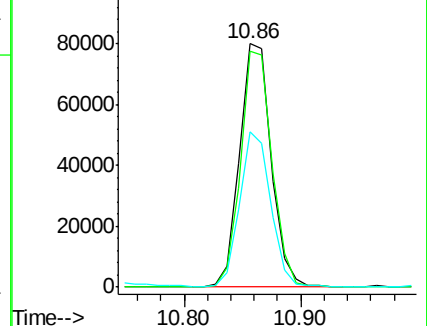
119 63.9 32.3 96.9

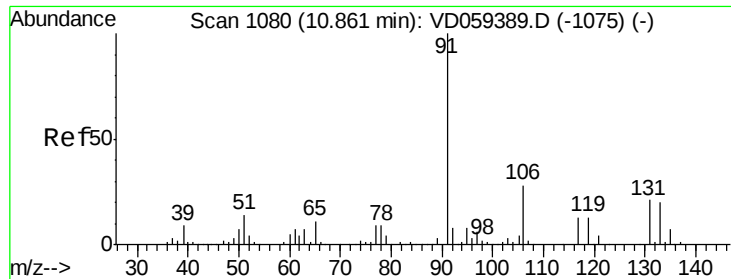


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

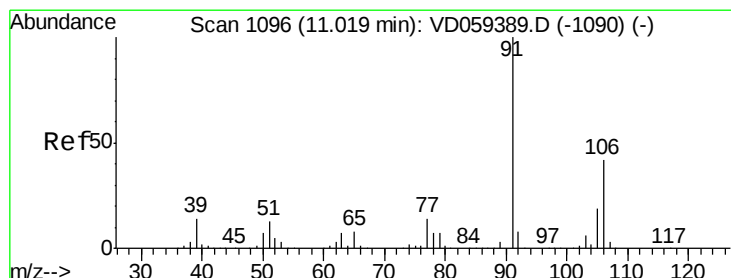
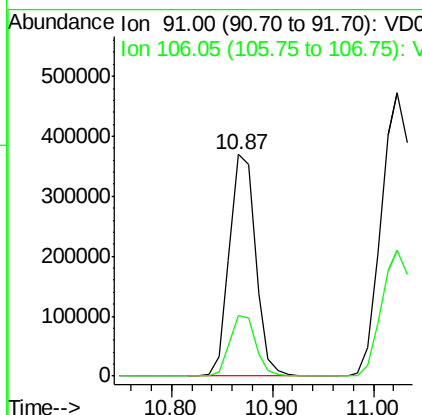
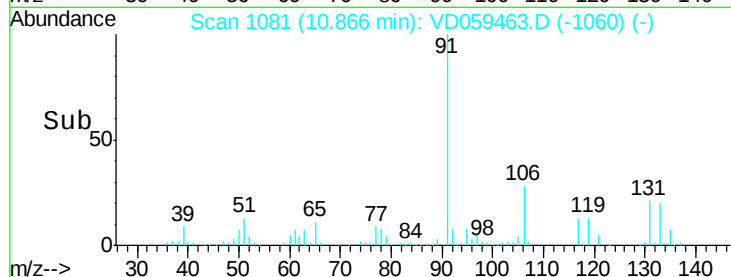
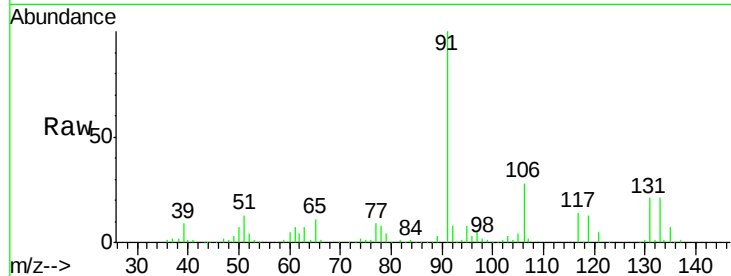




#67
Ethyl Benzene
Concen: 23.90 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

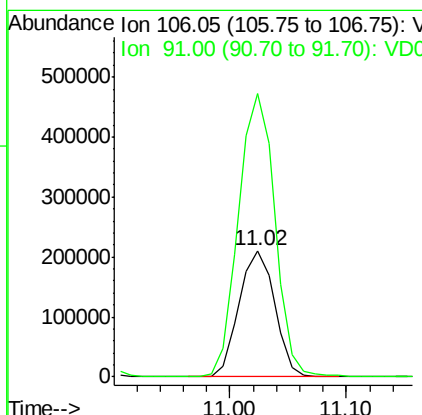
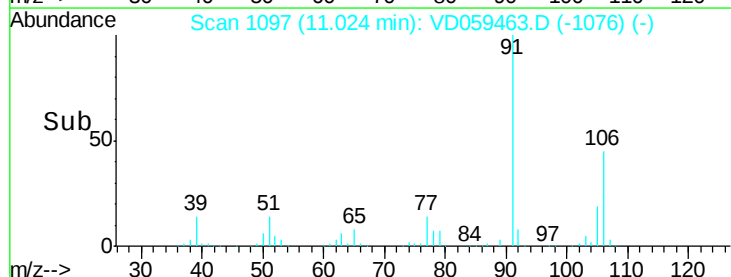
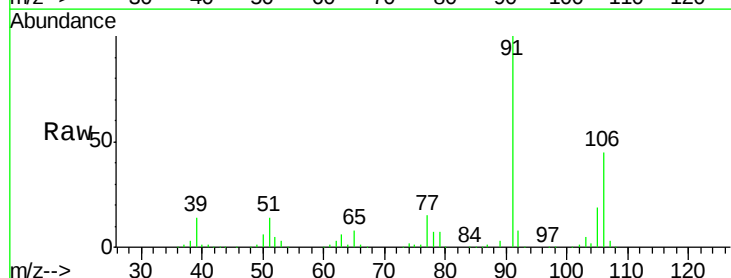
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

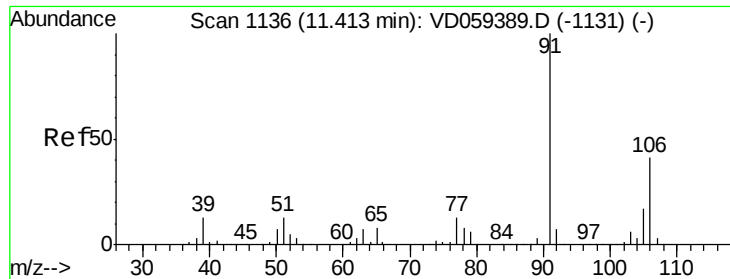
Tot Ion: 91 Resp: 671486
Ion Ratio Lower Upper
91 100
106 27.6 22.3 33.5



#68
m/p-Xylenes
Concen: 48.13 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 106 Resp: 448636
Ion Ratio Lower Upper
106 100
91 223.6 191.0 286.6

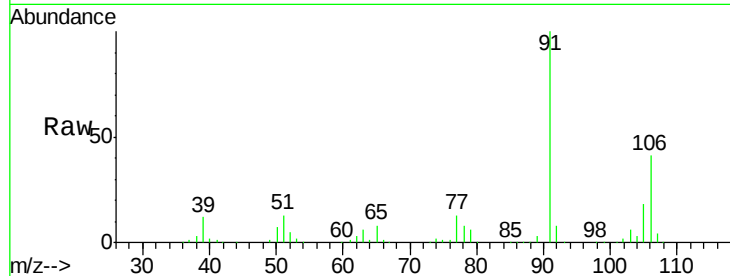




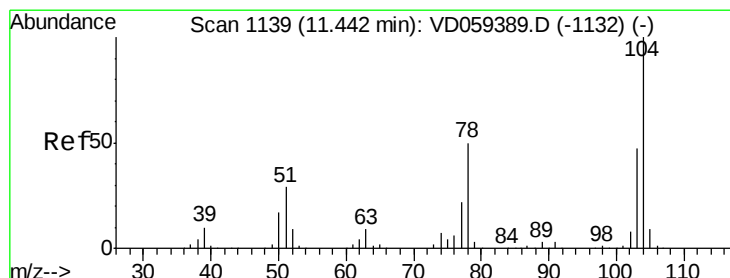
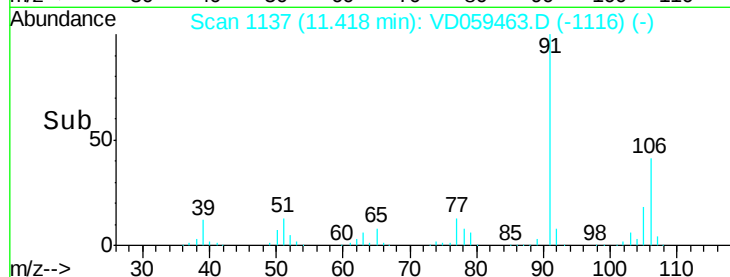
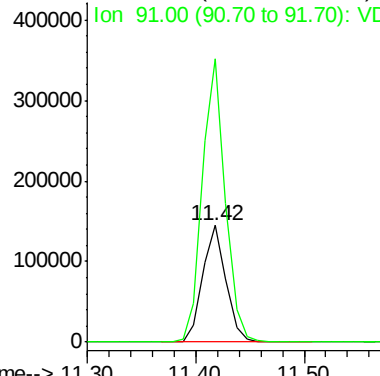
#69
o-Xylene
Concen: 23.76 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion:106 Resp: 218935
Ion Ratio Lower Upper
106 100
91 242.1 121.0 362.8

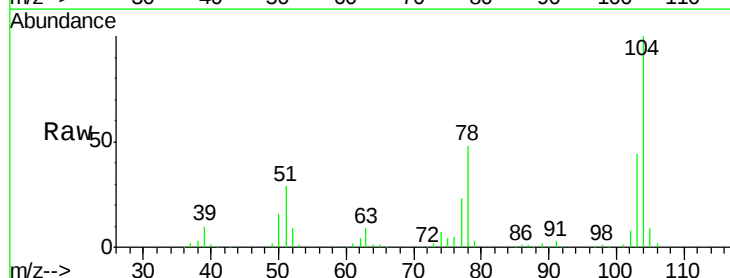


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

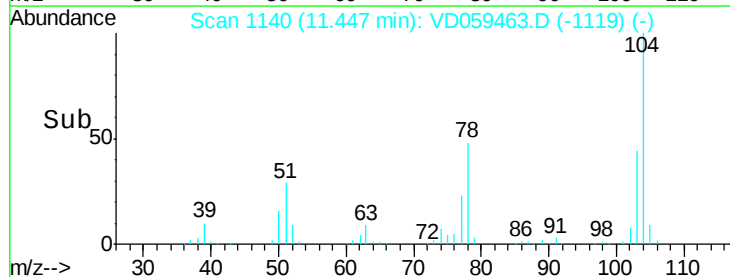
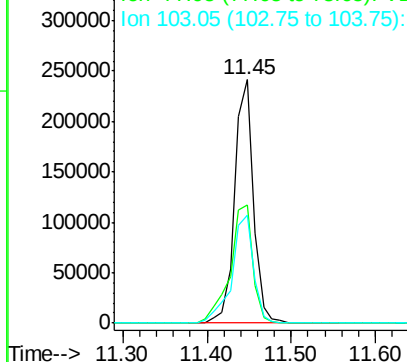


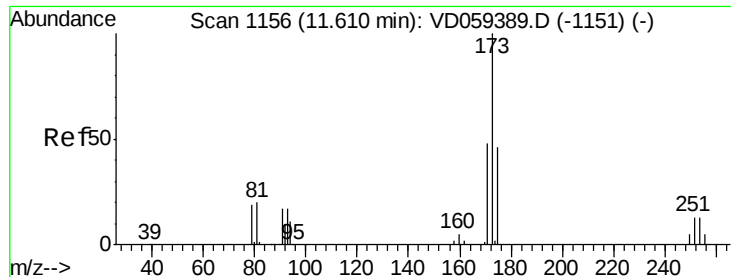
#70
Styrene
Concen: 23.62 ug/l
RT: 11.45 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:104 Resp: 373212
Ion Ratio Lower Upper
104 100
78 48.4 40.2 60.4
103 44.2 37.8 56.8



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

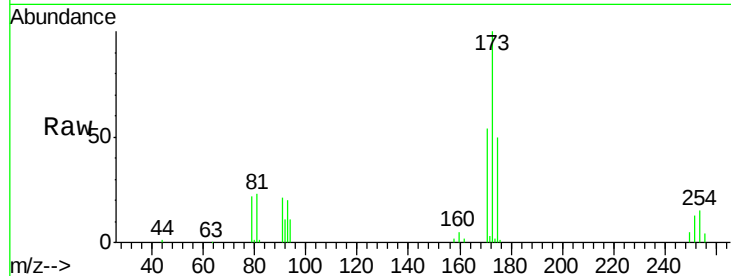




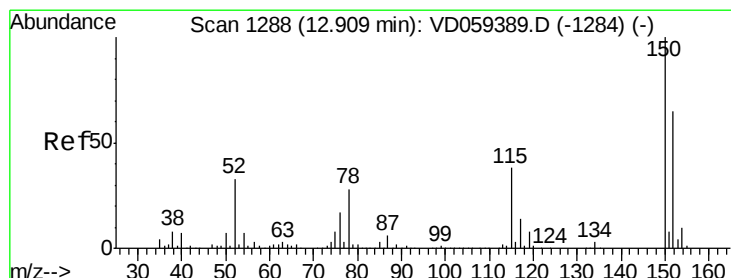
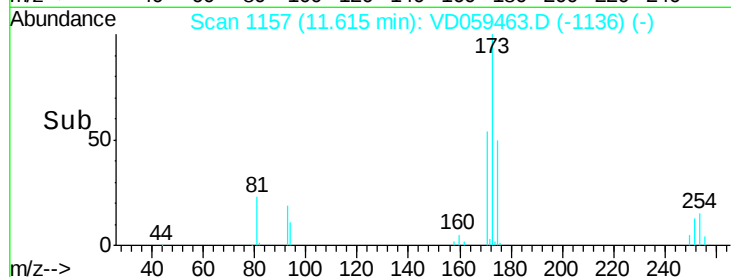
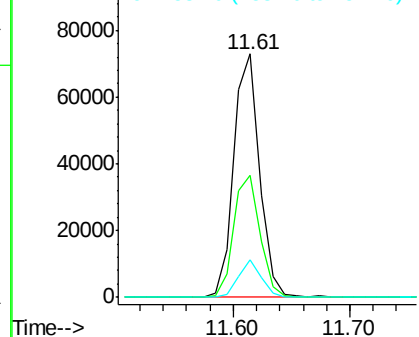
#71
Bromoform
Concen: 21.13 ug/l
RT: 11.61 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion:173 Resp: 111895
Ion Ratio Lower Upper
173 100
175 50.0 22.8 68.4
254 15.3 10.1 15.1#

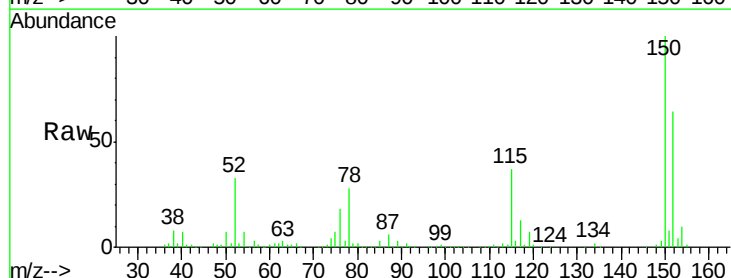


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

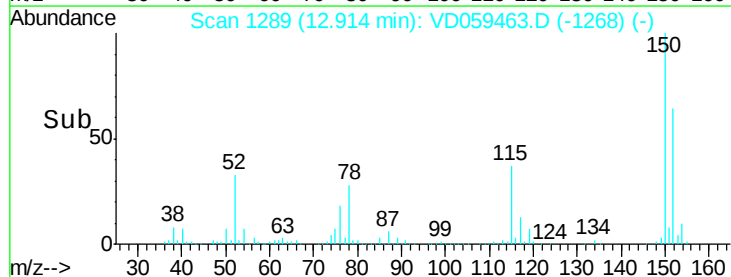
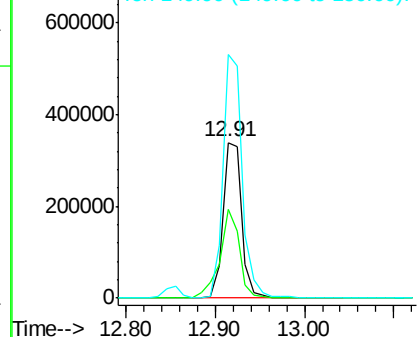


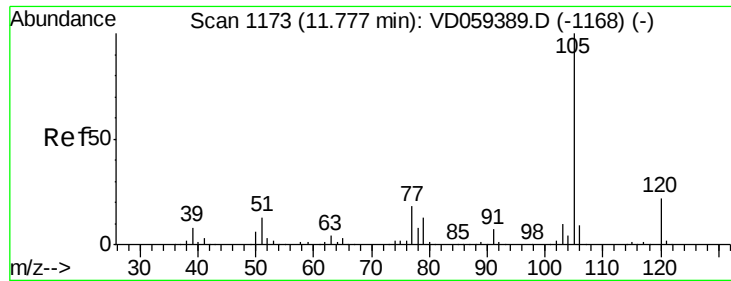
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:152 Resp: 496902
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.3
150 156.3 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

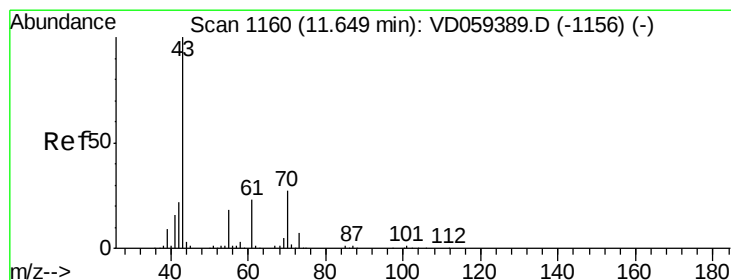
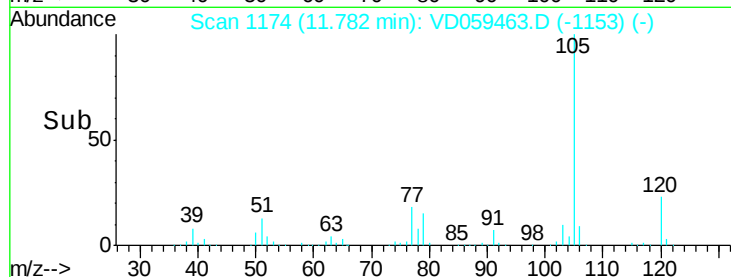
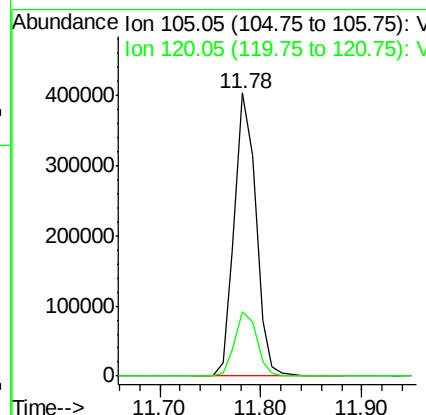
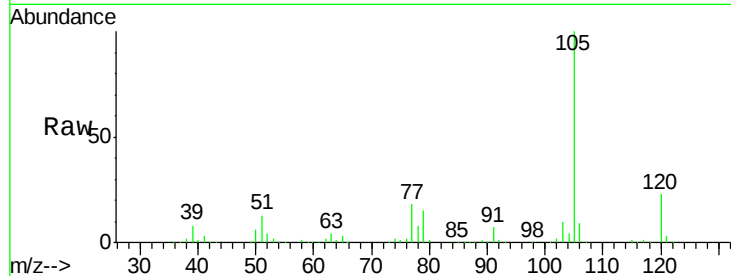




#73
Isopropylbenzene
Concen: 21.45 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

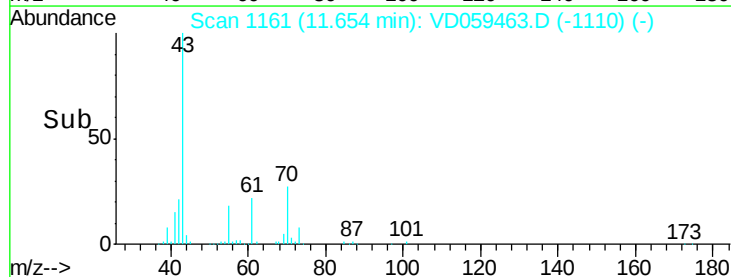
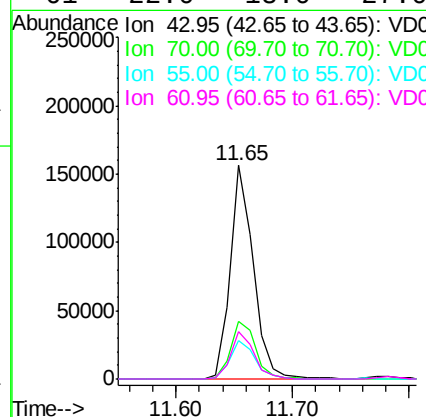
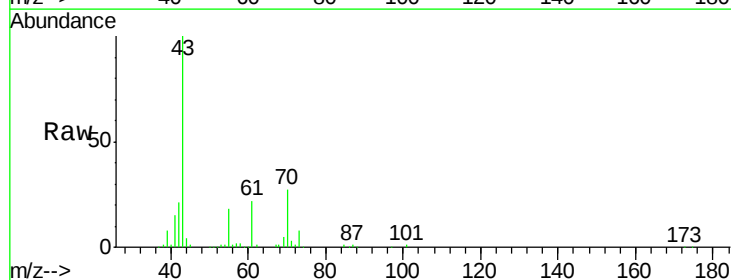
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

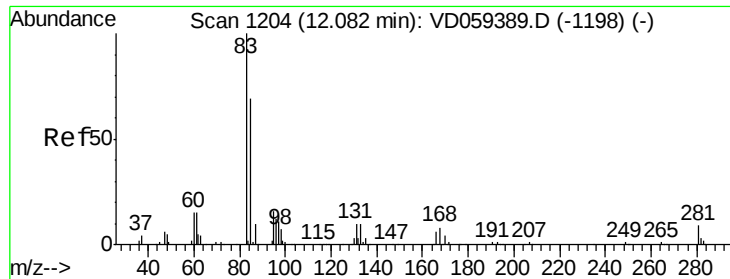
Tot Ion:105 Resp: 601387
Ion Ratio Lower Upper
105 100
120 22.6 11.0 33.0



#74
N-ethyl acetate
Concen: 20.17 ug/l
RT: 11.65 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 43 Resp: 215134
Ion Ratio Lower Upper
43 100
70 27.1 21.7 32.5
55 17.9 14.6 22.0
61 22.0 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

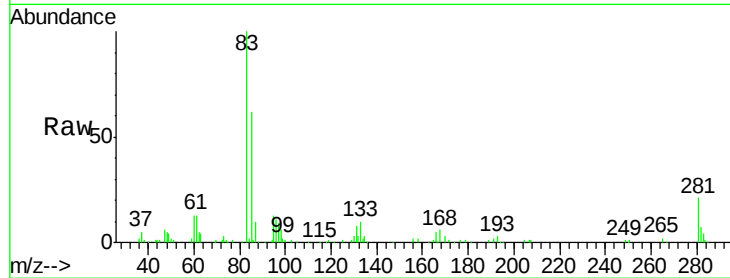
Tot Ion: 83 Resp: 133996

Ion Ratio Lower Upper

83 100

131 8.4 4.9 14.6

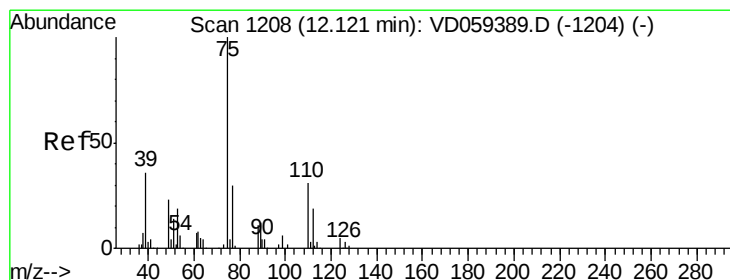
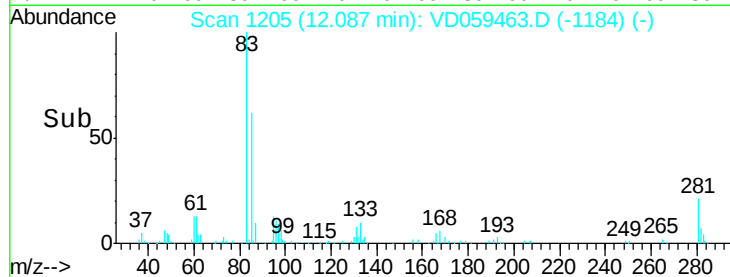
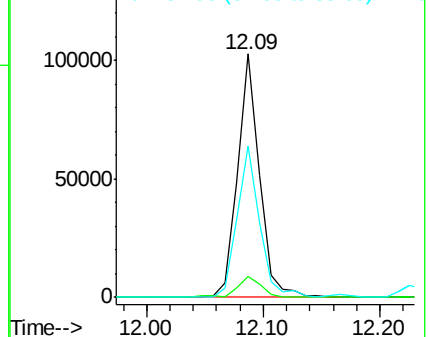
85 62.2 34.6 103.8



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: 20.80 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059463.D

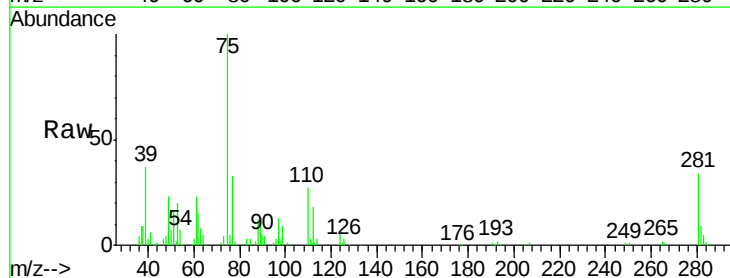
Acq: 28 Jun 2018 15:27

Tgt Ion: 75 Resp: 142544

Ion Ratio Lower Upper

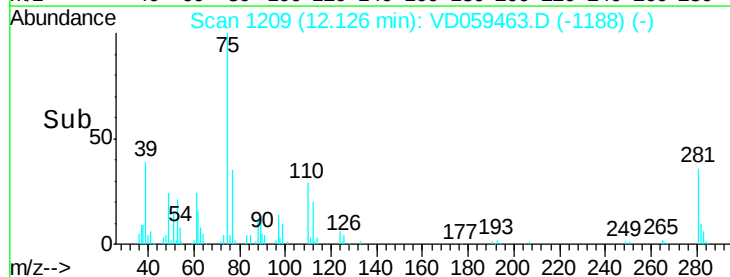
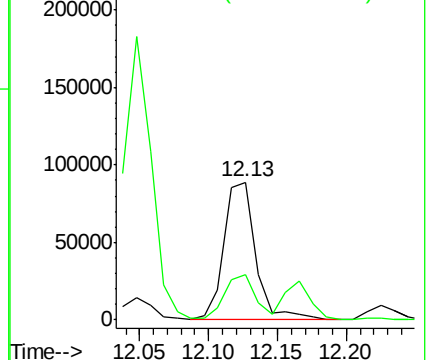
75 100

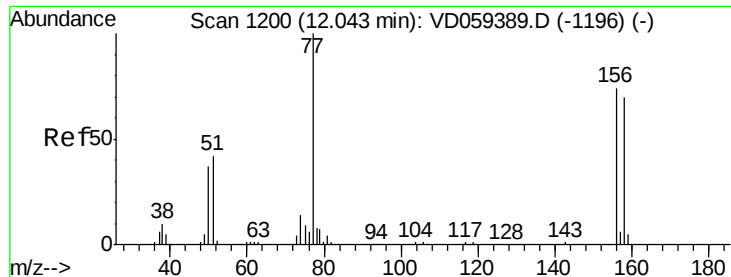
77 33.2 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.26 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

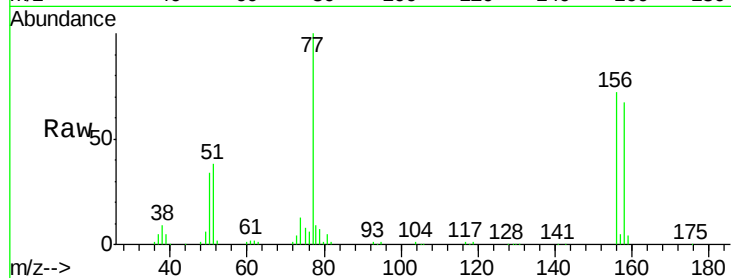
Tot Ion:156 Resp: 187638

Ion Ratio Lower Upper

156 100

77 138.9 68.0 203.8

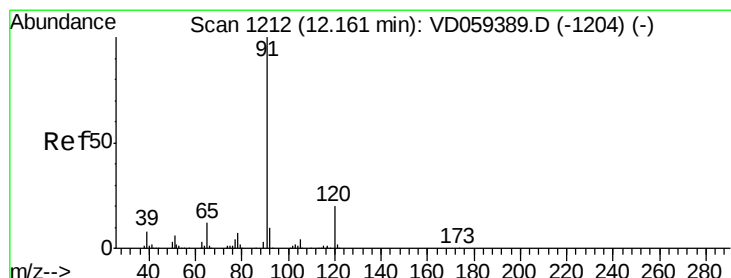
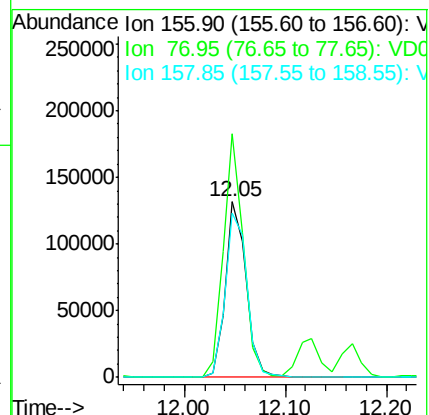
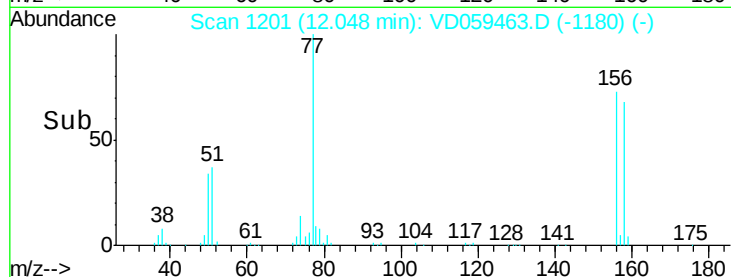
158 93.6 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.22 ug/l

RT: 12.17 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059463.D

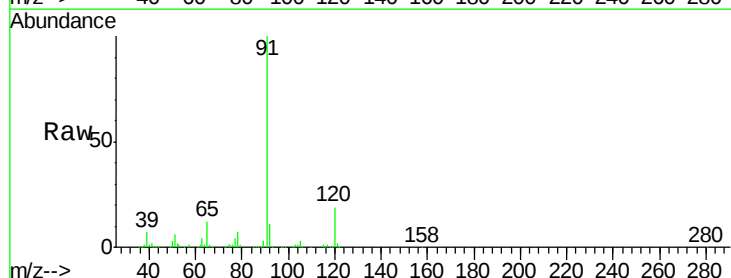
Acq: 28 Jun 2018 15:27

Tgt Ion: 91 Resp: 824613

Ion Ratio Lower Upper

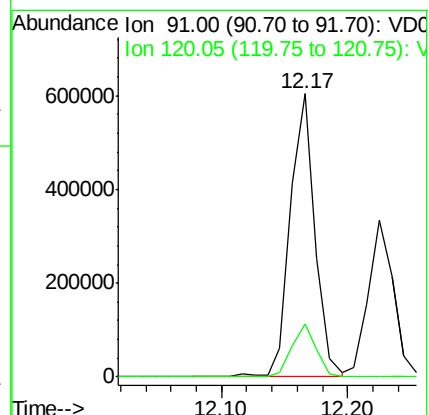
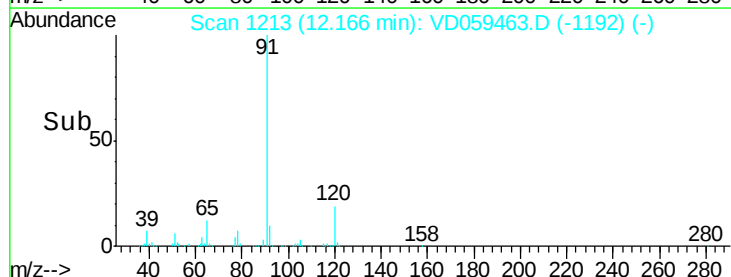
91 100

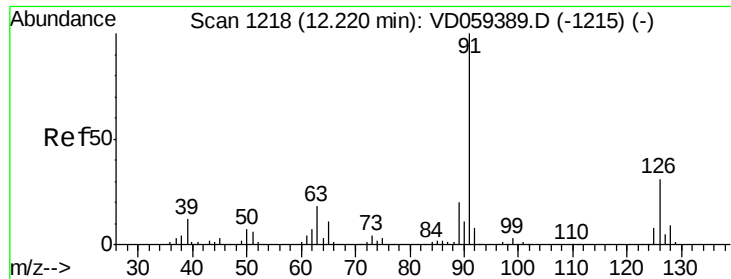
120 18.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

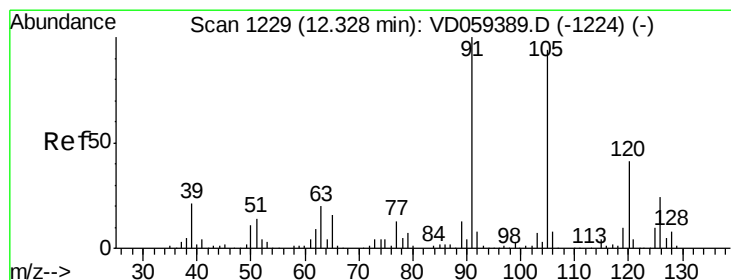
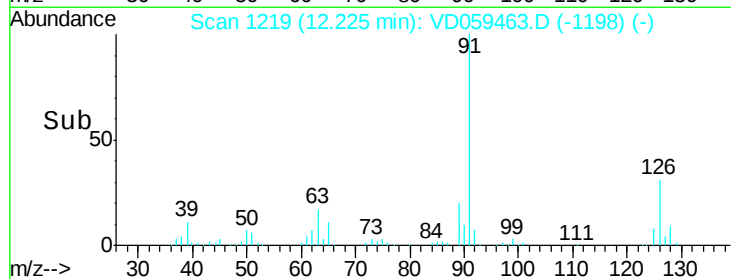
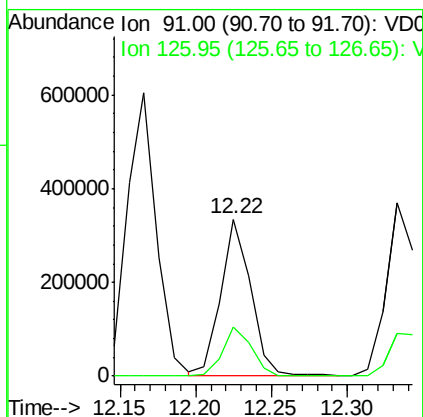
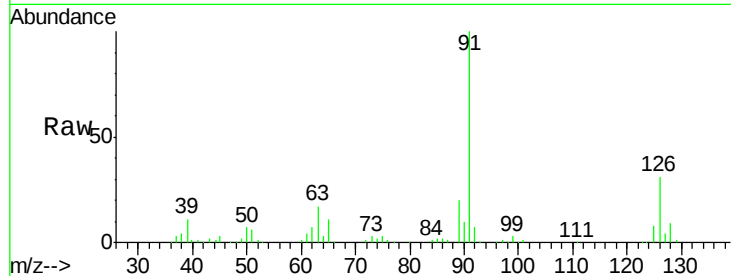




#79
 2-Chlorotoluene
 Concen: 22.01 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

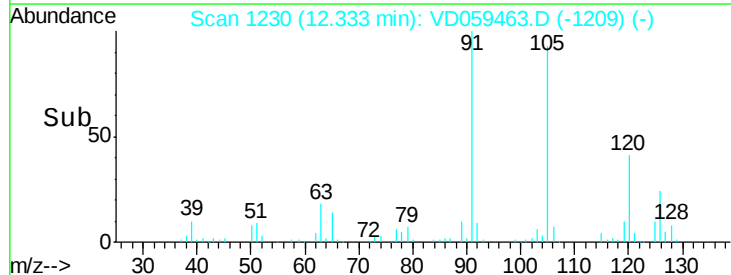
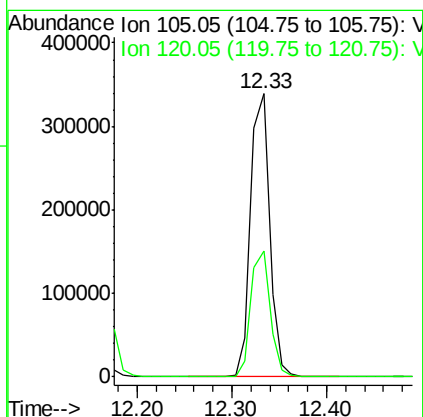
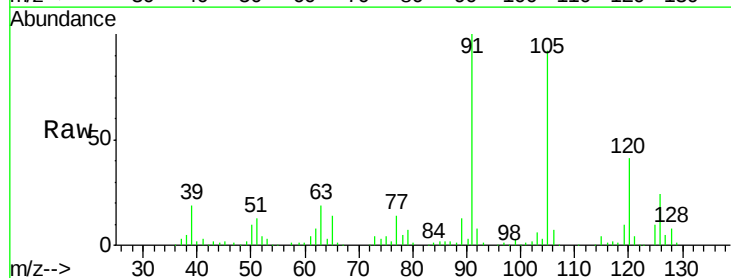
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

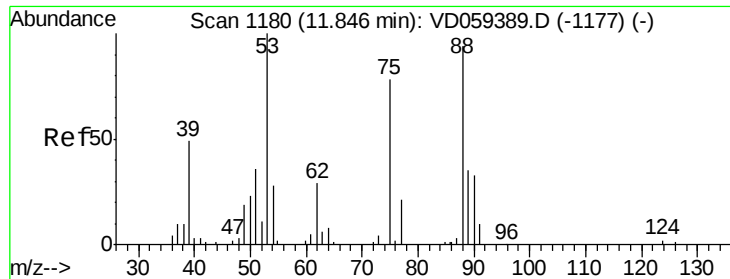
Tot Ion: 91 Resp: 459061
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.33 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 105 Resp: 476262
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.43 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

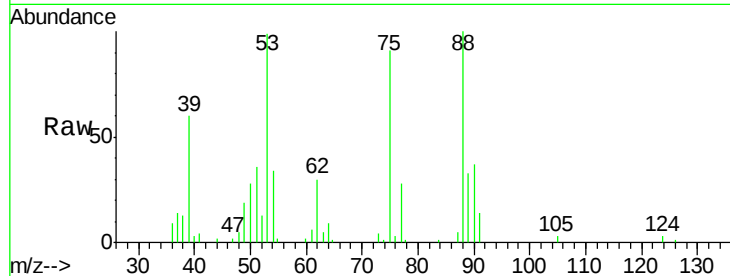
Tot Ion: 75 Resp: 34939

Ion Ratio Lower Upper

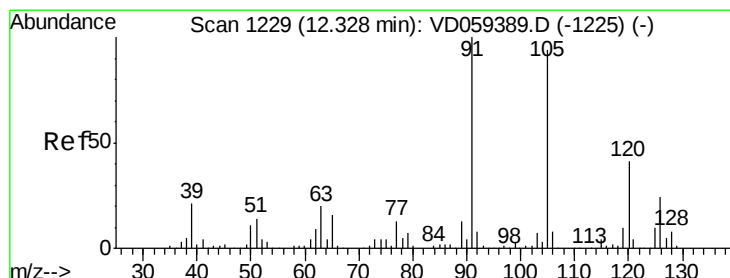
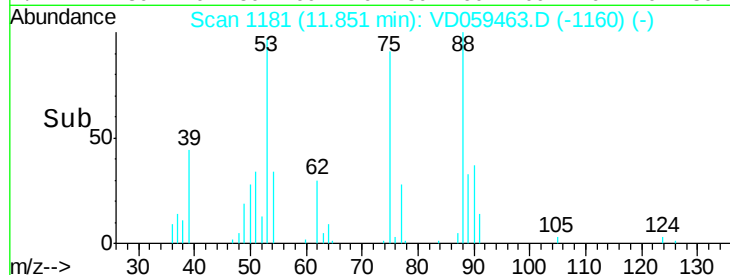
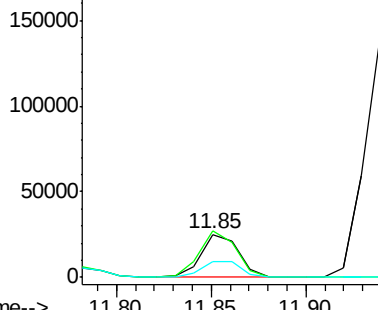
75 100

53 108.2 102.6 154.0

89 36.5 35.9 53.9



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



#82

4-Chlorotoluene

Concen: 21.47 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059463.D

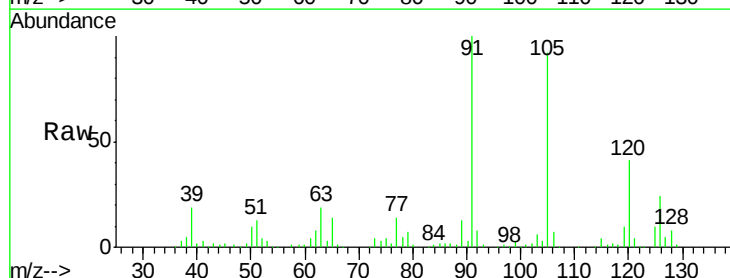
Acq: 28 Jun 2018 15:27

Tgt Ion: 91 Resp: 507853

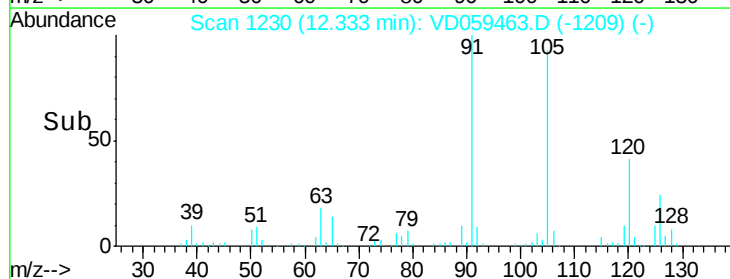
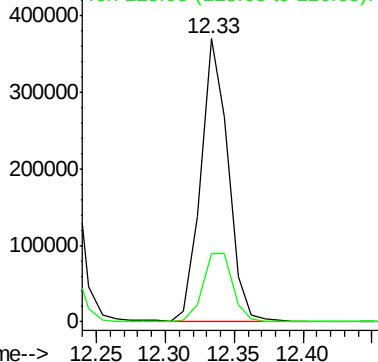
Ion Ratio Lower Upper

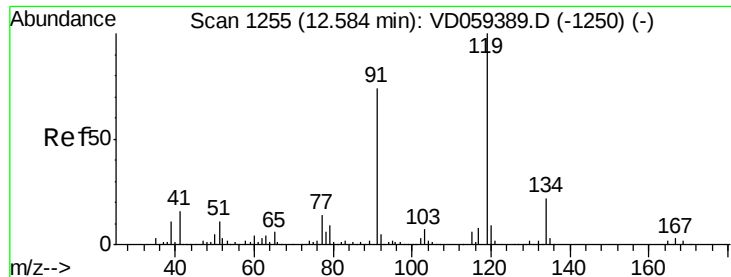
91 100

126 24.3 12.2 36.6



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

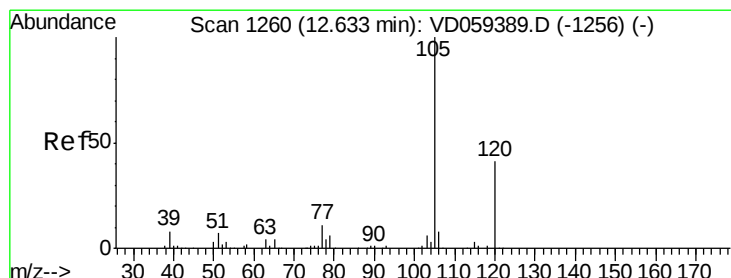
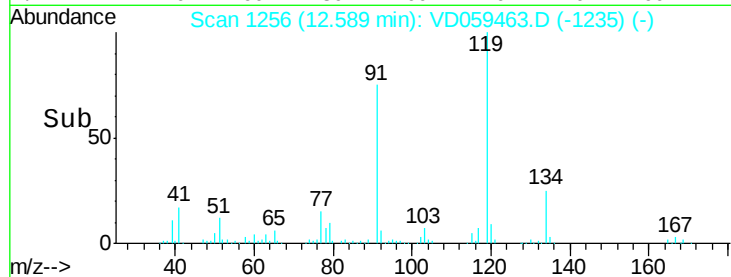
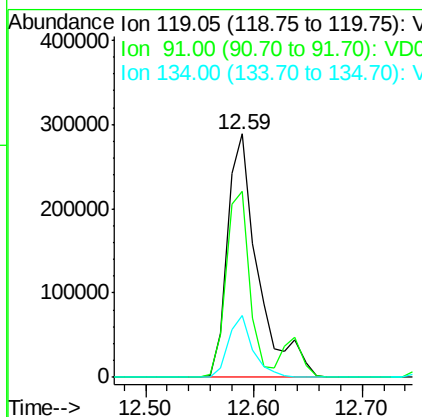
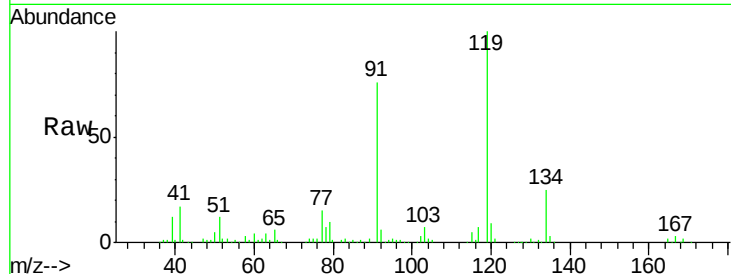




#83
 tert-Butylbenzene
 Concen: 23.92 ug/l
 RT: 12.59 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

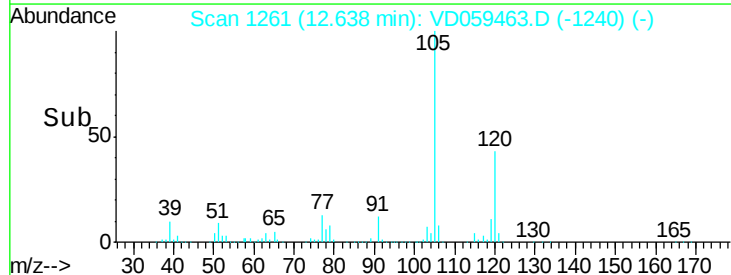
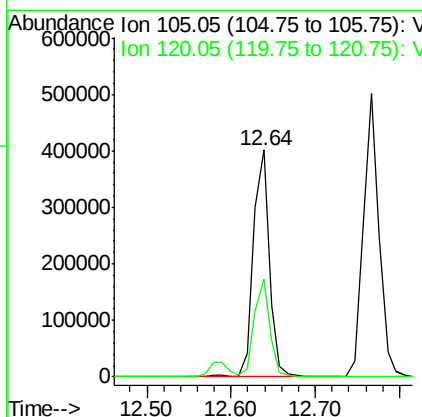
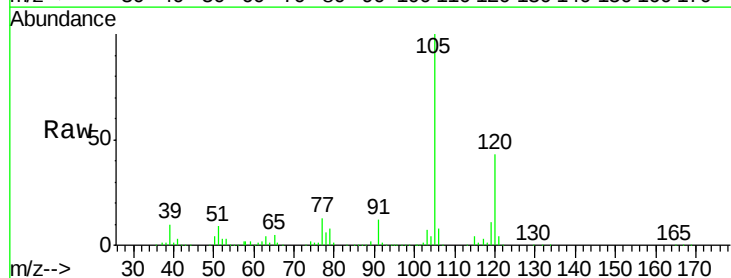
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

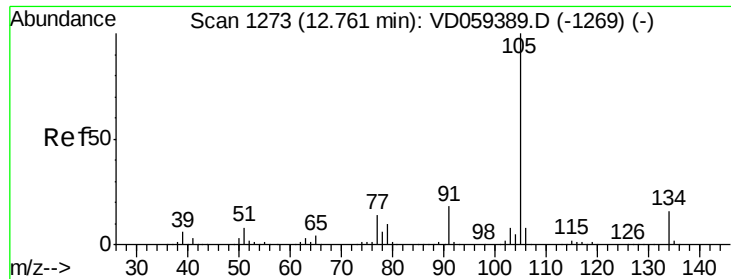
Tot Ion:	119	Resp:	567878
Ion	Ratio	Lower	Upper
119	100		
91	76.2	36.9	110.7
134	25.5	11.2	33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.71 ug/l
 RT: 12.64 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:	105	Resp:	536541
Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.5	64.5

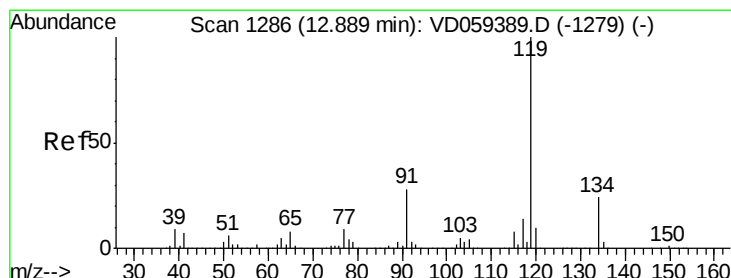
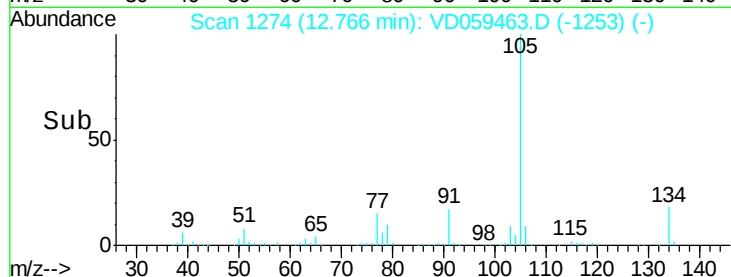
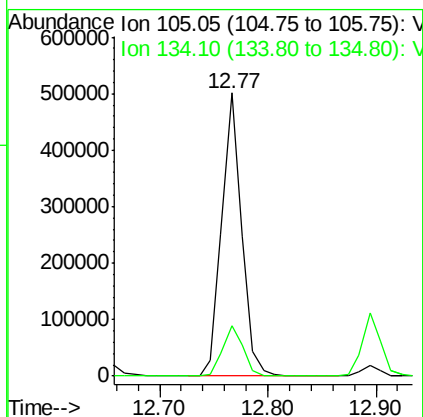
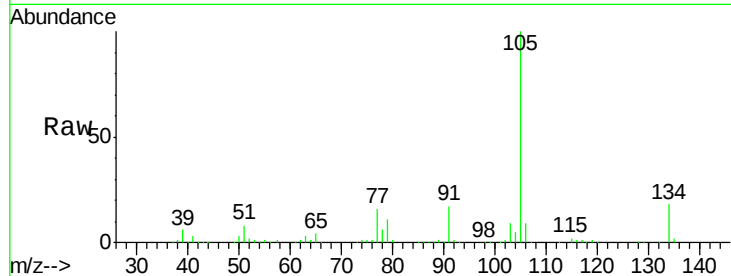




#85
 sec-Butylbenzene
 Concen: 21.92 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

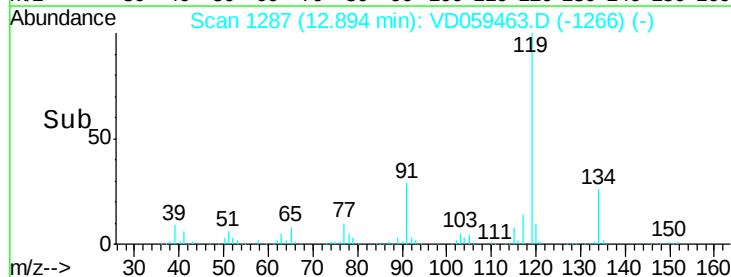
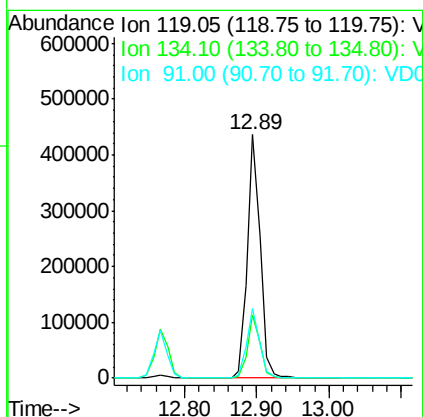
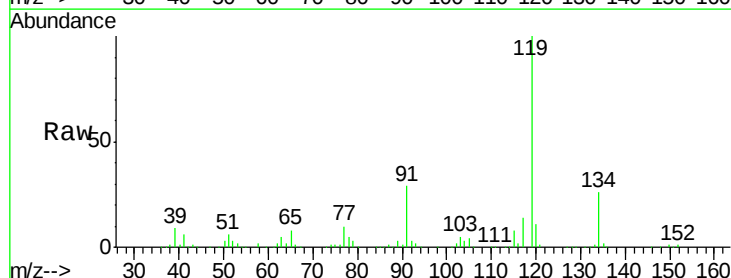
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0628SBS01

Tot Ion:105 Resp: 638597
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 23.33 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:119 Resp: 547904
 Ion Ratio Lower Upper
 119 100
 134 25.8 11.9 35.5
 91 28.7 14.1 42.4

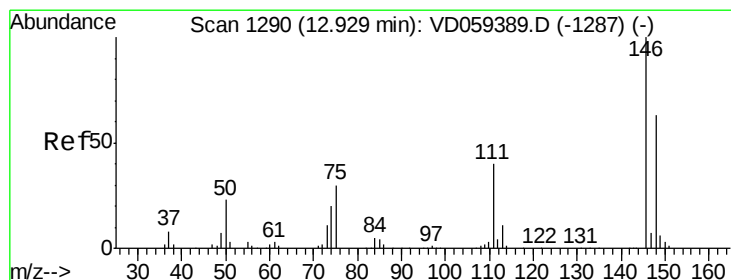
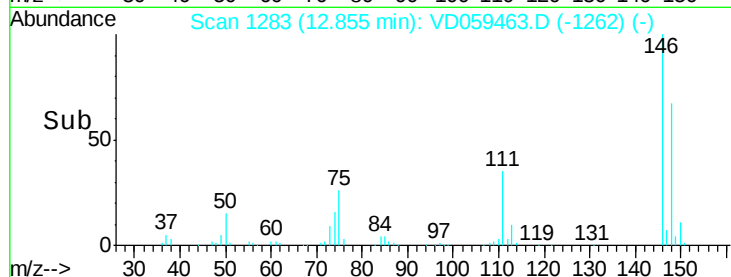
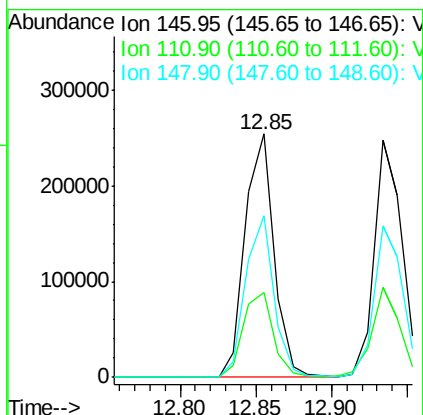
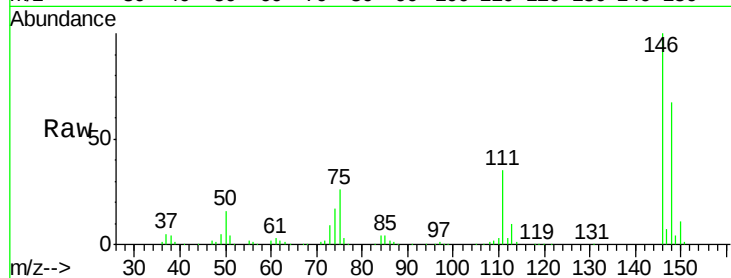




#87
 1,3-Dichlorobenzene
 Concen: 23.36 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

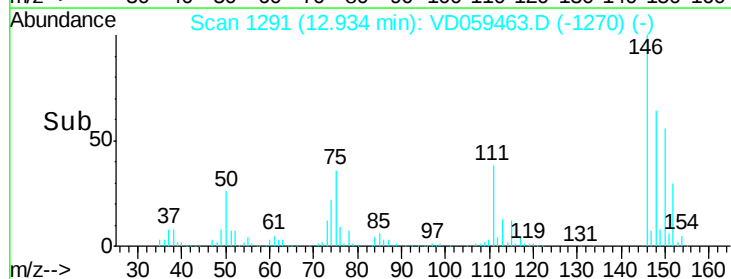
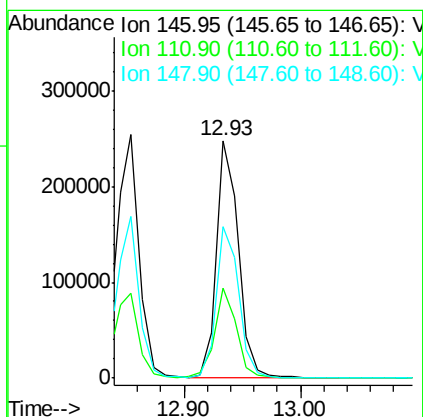
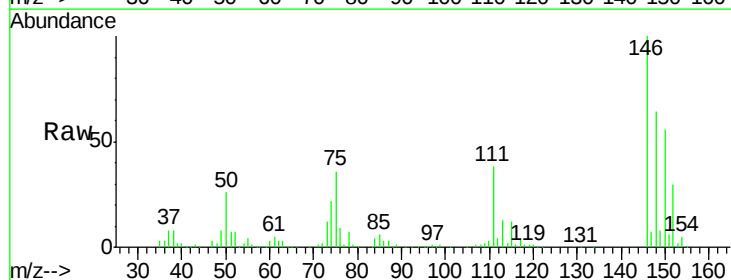
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

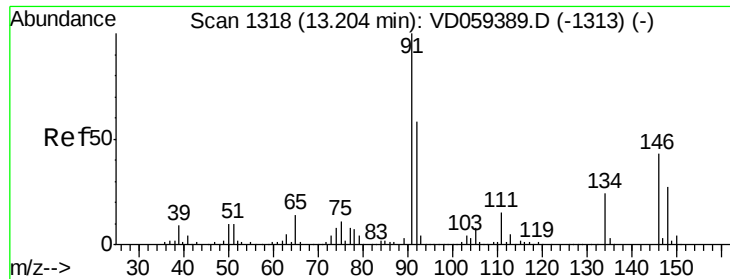
Tot Ion:146 Resp: 339235
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.6 52.8
 148 66.6 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 22.55 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:146 Resp: 323116
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.1 60.2
 148 63.6 31.4 94.0

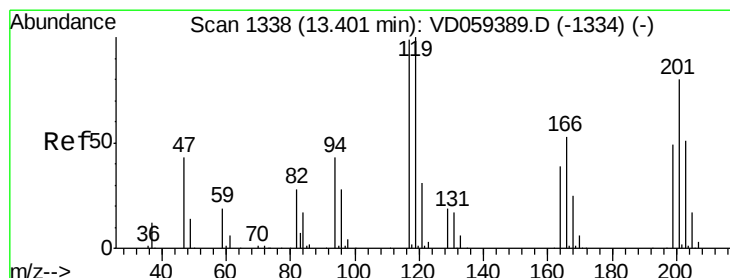
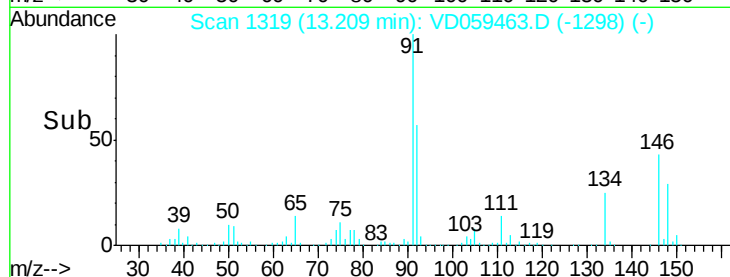
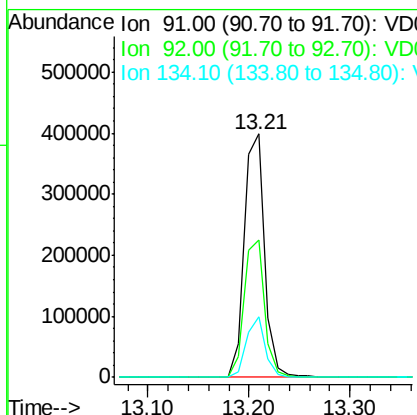
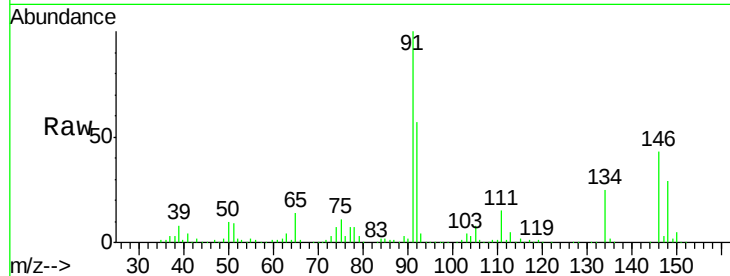




#89
n-Butylbenzene
Concen: 24.11 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

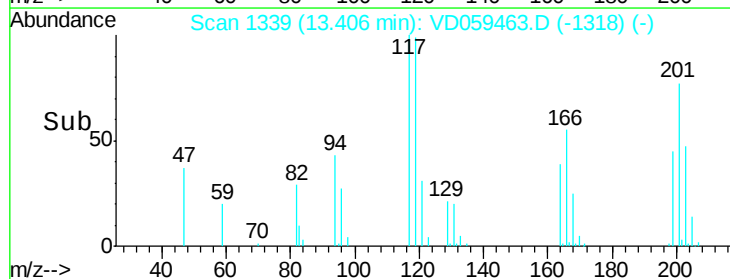
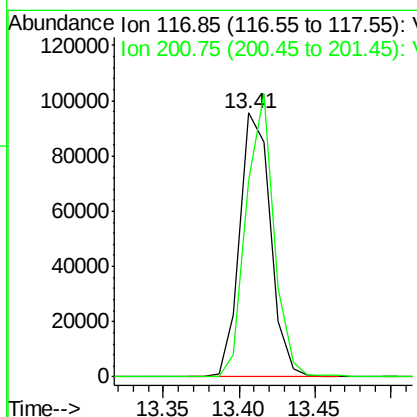
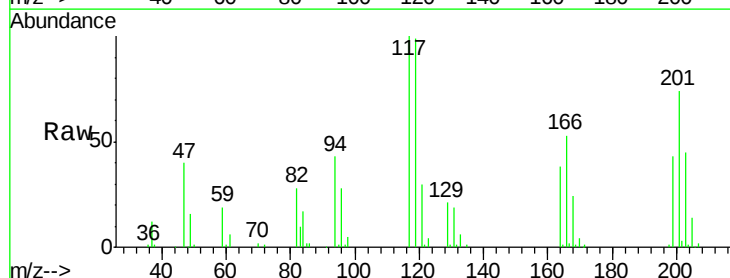
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

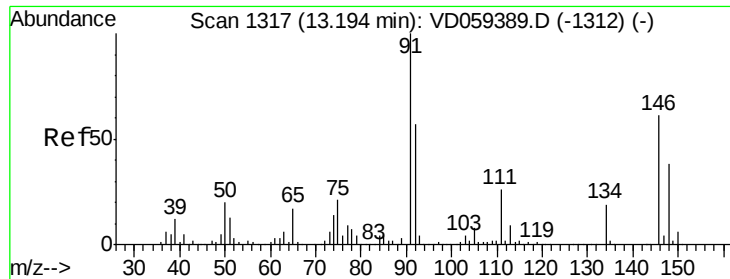
Tot Ion: 91 Resp: 558857
Ion Ratio Lower Upper
91 100
92 56.6 28.8 86.5
134 24.7 11.9 35.7



#90
Hexachloroethane
Concen: 22.97 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 117 Resp: 134616
Ion Ratio Lower Upper
117 100
201 74.5 40.1 120.3

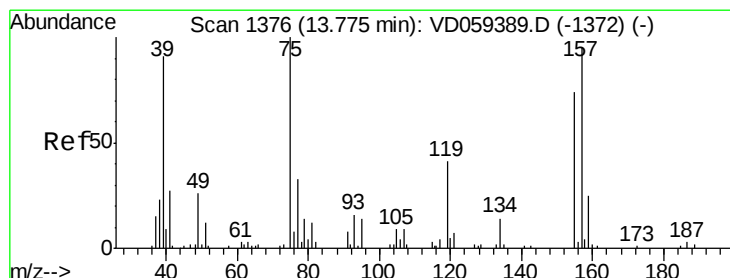
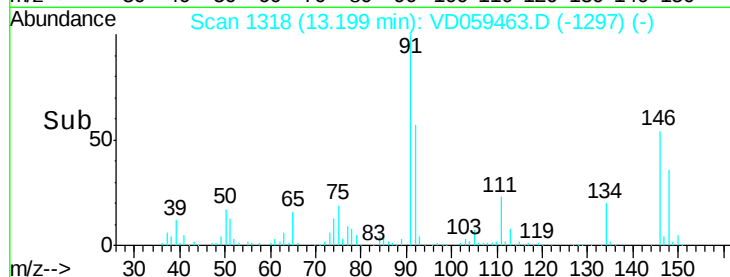
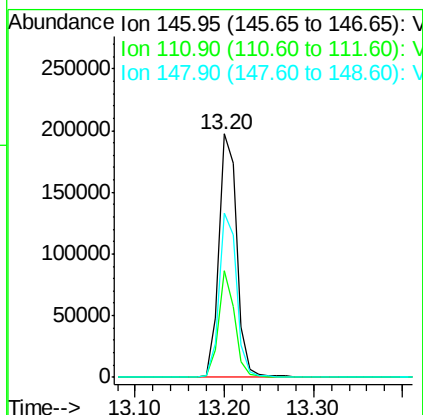
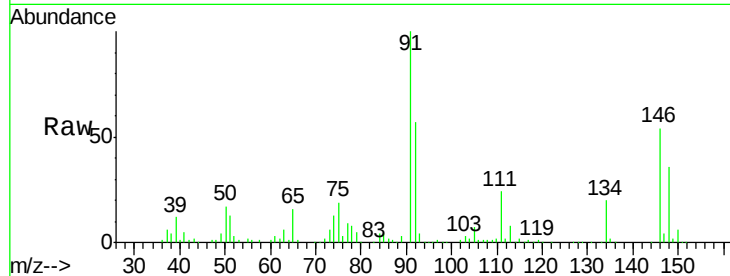




#91
 1,2-Dichlorobenzene
 Concen: 22.83 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

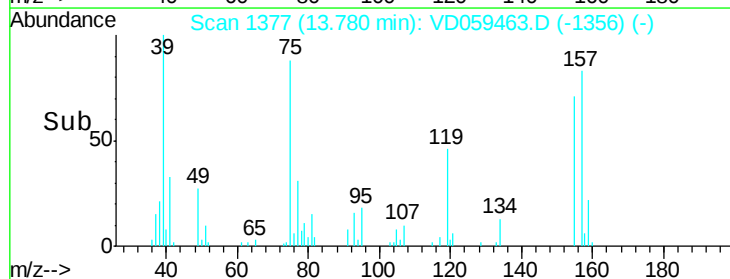
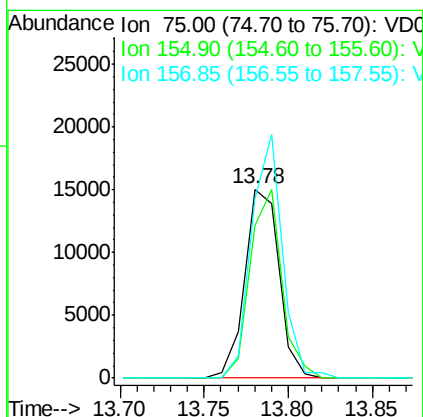
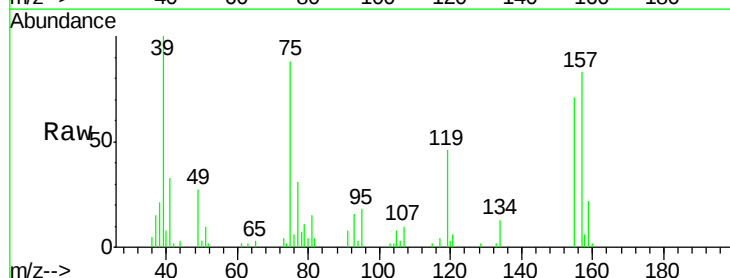
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

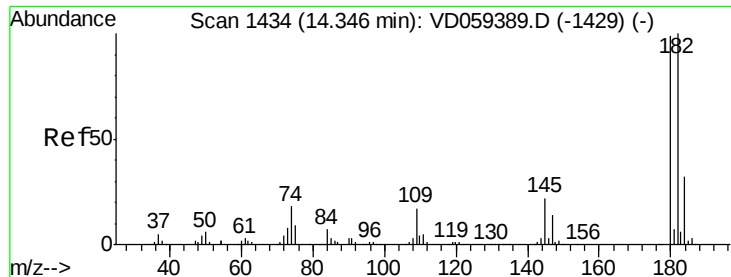
Tot Ion:146 Resp: 281052
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.4 64.2
 148 67.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.54 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 75 Resp: 21195
 Ion Ratio Lower Upper
 75 100
 155 80.7 37.2 111.6
 157 95.0 47.4 142.2

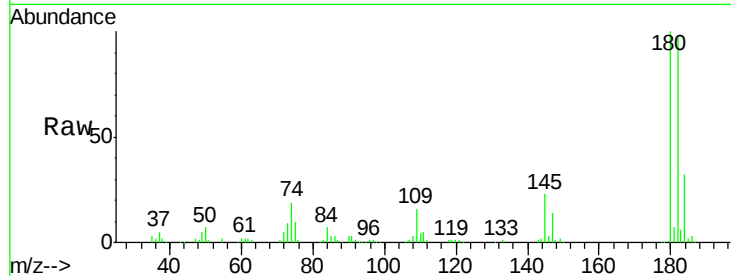




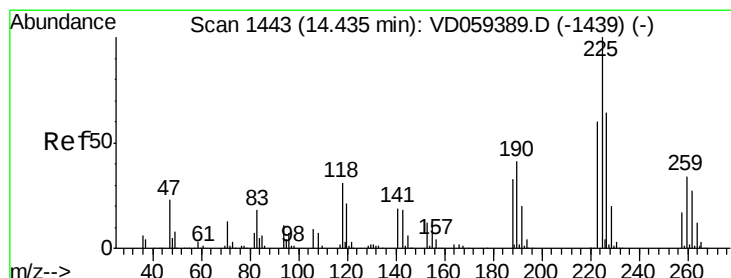
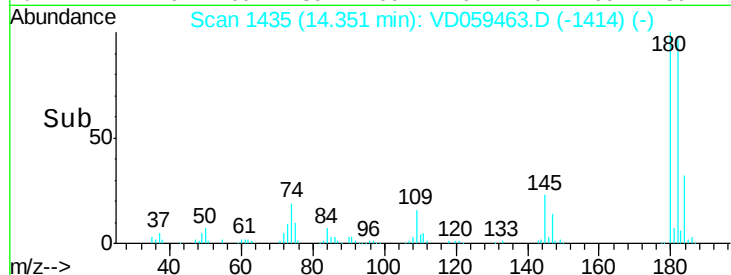
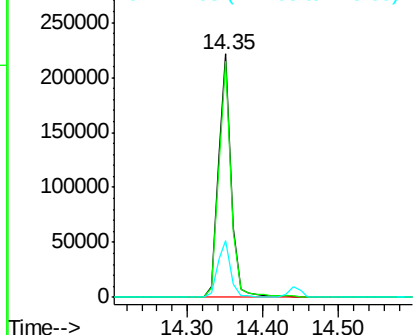
#93
 1,2,4-Trichlorobenzene
 Concen: 23.40 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Tot Ion:180 Resp: 266343
 Ion Ratio Lower Upper
 180 100
 182 96.7 50.4 151.2
 145 23.5 11.0 33.0

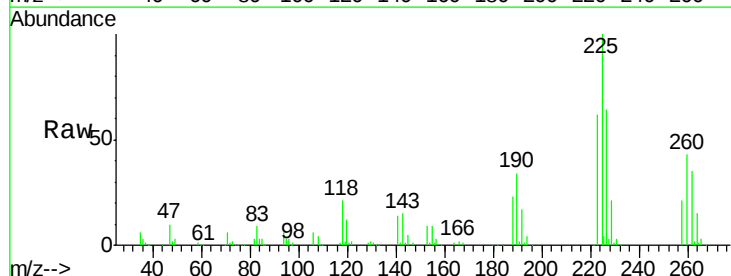


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

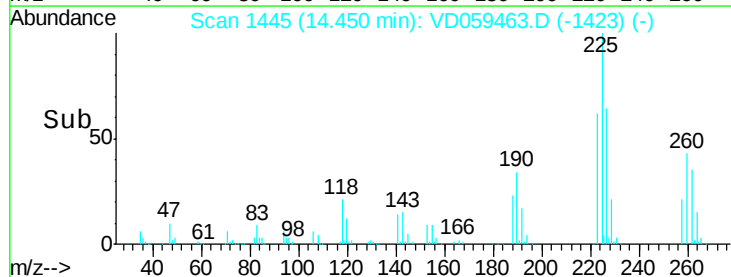
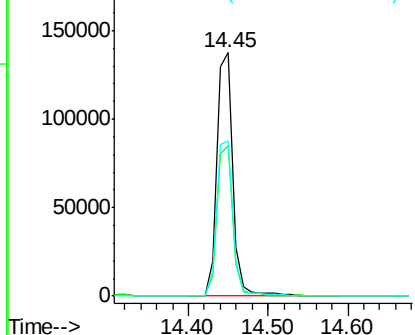


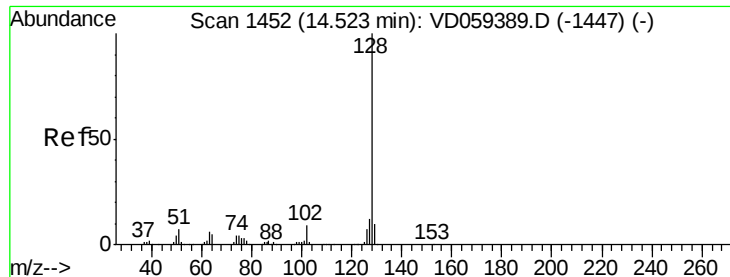
#94
 Hexachlorobutadiene
 Concen: 22.85 ug/l
 RT: 14.45 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:225 Resp: 195674
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.0 90.1
 227 64.0 32.1 96.5



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





#95

Naphthalene

Concen: 21.18 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

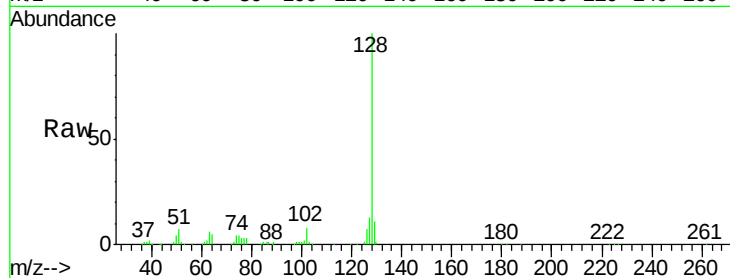
Tot Ion:128 Resp: 336025

Ion Ratio Lower Upper

128 100

127 12.9 9.6 14.4

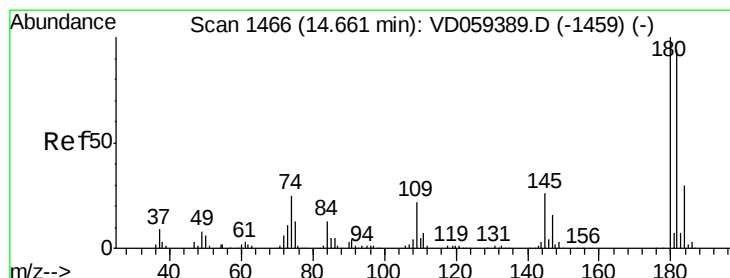
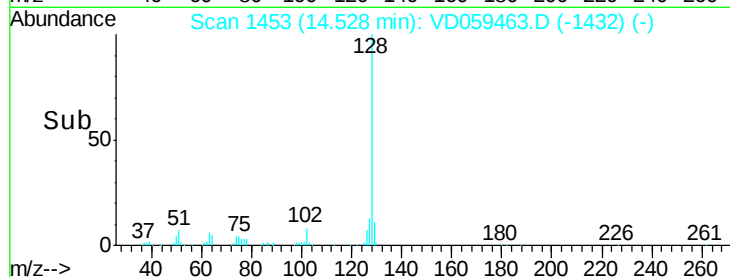
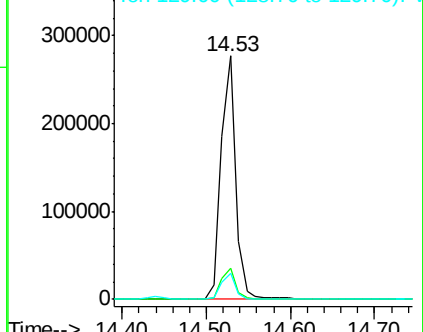
129 10.7 8.2 12.2



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: 23.15 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

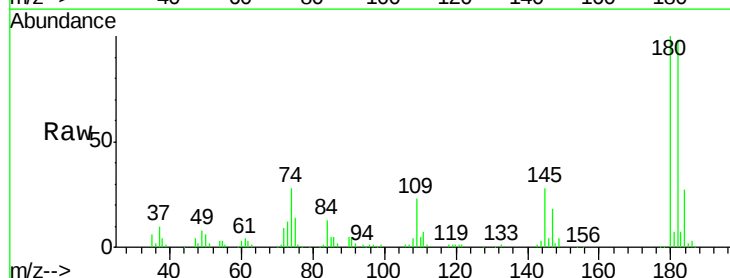
Tgt Ion:180 Resp: 236874

Ion Ratio Lower Upper

180 100

182 97.6 47.1 141.4

145 28.2 13.1 39.3



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

