

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059464.D
 Acq On : 28 Jun 2018 15:55
 Operator : VA/AP
 Sample : VD0628SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Quant Time: Jun 29 01:26:41 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	883289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1110162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	896779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	481471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	372626	41.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.50%	
35) Dibromofluoromethane	5.55	113	395749	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
50) Toluene-d8	8.72	98	889018	42.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.12%	
62) 4-Bromofluorobenzene	11.94	95	376770	42.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	178892	22.76	ug/l	92
3) Chloromethane	1.48	50	81298	19.88	ug/l #	79
4) Vinyl Chloride	1.55	62	89454	21.09	ug/l	97
5) Bromomethane	1.79	94	32716	20.62	ug/l	95
6) Chloroethane	1.88	64	33738	17.35	ug/l	94
7) Trichlorofluoromethane	2.07	101	134135	21.93	ug/l	99
8) Diethyl Ether	2.34	74	24512	17.71	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.55	101	85523	22.50	ug/l	94
10) Methyl Iodide	2.69	142	88967	20.04	ug/l	97
11) Tert butyl alcohol	3.27	59	23655	75.70	ug/l #	86
12) 1,1-Dichloroethene	2.55	96	63379	21.78	ug/l	89
13) Acrolein	2.47	56	27374	97.99	ug/l #	73
14) Allyl chloride	2.92	41	137202	20.60	ug/l	97
15) Acrylonitrile	3.36	53	77895	81.22	ug/l	93
16) Acetone	2.62	43	117511	103.08	ug/l	93
17) Carbon Disulfide	2.75	76	185638	20.83	ug/l #	93
18) Methyl Acetate	2.93	43	44751	16.36	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	177741	12.41	ug/l	95
20) Methylene Chloride	3.07	84	71387	21.14	ug/l	89
21) trans-1,2-Dichloroethene	3.38	96	77616	15.08	ug/l #	75
22) Diisopropyl ether	4.08	45	517992	20.67	ug/l	89
23) Vinyl Acetate	4.02	43	1411164	108.06	ug/l	99
24) 1,1-Dichloroethane	3.97	63	318266	22.19	ug/l	98
25) 2-Butanone	4.84	43	238277	99.78	ug/l	100
26) 2,2-Dichloropropane	4.80	77	267309	24.03	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	176113	20.37	ug/l	90
28) Bromochloromethane	5.15	49	129880	20.89	ug/l	99
29) Tetrahydrofuran	5.19	42	123059	94.21	ug/l	99
30) Chloroform	5.32	83	325402	20.82	ug/l	95
31) Cyclohexane	5.59	56	235635	22.77	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	265514	20.97	ug/l	95
36) 1,1-Dichloropropene	5.75	75	226779	22.52	ug/l	95
37) Ethyl Acetate	4.93	43	108571	17.70	ug/l	99
38) Carbon Tetrachloride	5.73	117	236570	22.78	ug/l	96

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 01:26:41 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)
39) Methylcyclohexane	7.29	83	217765	22.80	ug/l	97
40) Benzene	6.02	78	546268	22.60	ug/l	98
41) Methacrylonitrile	5.13	41	56533	19.14	ug/l	99
42) 1,2-Dichloroethane	6.13	62	214407	20.08	ug/l	98
43) Isopropyl Acetate	7.63	43	149497	19.41	ug/l #	94
44) Trichloroethene	6.99	130	167352	21.15	ug/l	92
45) 1,2-Dichloropropane	7.36	63	137000	20.47	ug/l	97
46) Dibromomethane	7.47	93	100685	20.92	ug/l	93
47) Bromodichloromethane	7.75	83	216050	20.06	ug/l	97
48) Methyl methacrylate	7.52	41	88245	18.81	ug/l	94
49) 1,4-Dioxane	7.51	88	17372	369.15	ug/l	90
51) 4-Methyl-2-Pentanone	8.60	43	467129	91.02	ug/l	98
52) Toluene	8.81	92	308545	21.38	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	191769	21.31	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	222309	21.33	ug/l	98
55) 1,1,2-Trichloroethane	9.47	97	105199	20.08	ug/l	93
56) Ethyl methacrylate	9.32	69	118115	19.75	ug/l	94
57) 1,3-Dichloropropane	9.67	76	179611	20.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.20	63	311422	101.17	ug/l	96
59) 2-Hexanone	9.79	43	378514	103.77	ug/l	99
60) Dibromochloromethane	9.97	129	140132	19.10	ug/l	92
61) 1,2-Dibromoethane	10.10	107	112409	19.26	ug/l	100
64) Tetrachloroethene	9.52	164	163273	20.75	ug/l	95
65) Chlorobenzene	10.73	112	361911	22.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	132791	21.10	ug/l	94
67) Ethyl Benzene	10.86	91	615797	22.26	ug/l	97
68) m/p-Xylenes	11.02	106	419776	45.73	ug/l	91
69) o-Xylene	11.41	106	196726	21.68	ug/l	98
70) Styrene	11.44	104	338134	21.73	ug/l	98
71) Bromoform	11.60	173	100409	19.26	ug/l	95
73) Isopropylbenzene	11.78	105	557213	20.51	ug/l	94
74) N-amyl acetate	11.65	43	188092	18.20	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.09	83	120657	18.93	ug/l	92
76) 1,2,3-Trichloropropane	12.12	75	138156	20.80	ug/l	99
77) Bromobenzene	12.05	156	183078	21.41	ug/l	92
78) n-propylbenzene	12.15	91	767360	22.30	ug/l	94
79) 2-Chlorotoluene	12.22	91	424630	21.01	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	460881	21.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	30111	19.95	ug/l #	80
82) 4-Chlorotoluene	12.33	91	487994	21.30	ug/l	90
83) tert-Butylbenzene	12.58	119	501269	21.79	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	489493	21.38	ug/l	99
85) sec-Butylbenzene	12.76	105	611570	21.66	ug/l	98
86) p-Isopropyltoluene	12.89	119	487553	21.43	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	314651	22.37	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	296832	21.38	ug/l	94
89) n-Butylbenzene	13.20	91	521981	23.24	ug/l	98
90) Hexachloroethane	13.40	117	125276	22.07	ug/l	84
91) 1,2-Dichlorobenzene	13.20	146	262110	21.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	18430	17.53	ug/l	59

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ClientSampleId :
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Quant Time: Jun 29 01:26:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

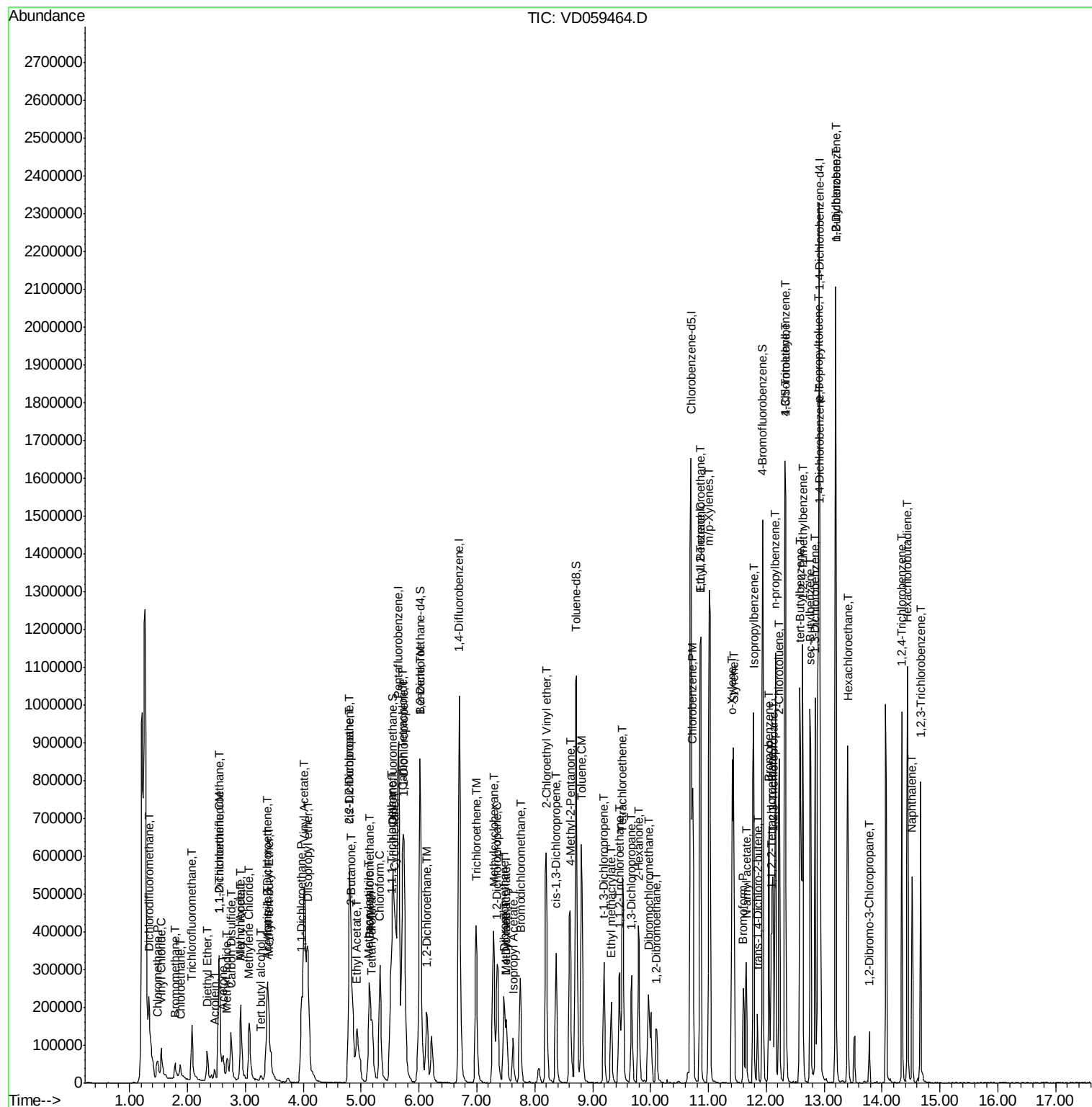
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	239654	21.73	ug/l	92
94) Hexachlorobutadiene	14.44	225	189810	22.87	ug/l	97
95) Naphthalene	14.52	128	285848	18.60	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	201561	20.33	ug/l	96

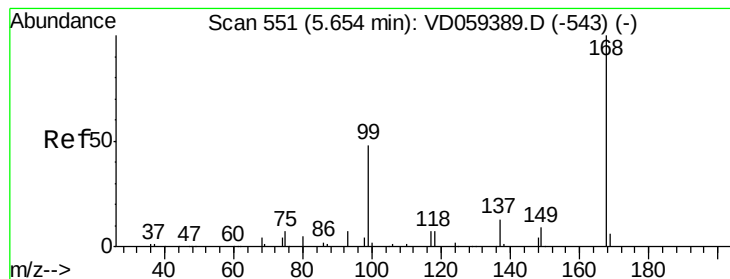
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VD059464.D
 Acq On : 28 Jun 2018 15:55
 Operator : VA/AP
 Sample : VD0628SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 29 01:26:41 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 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. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

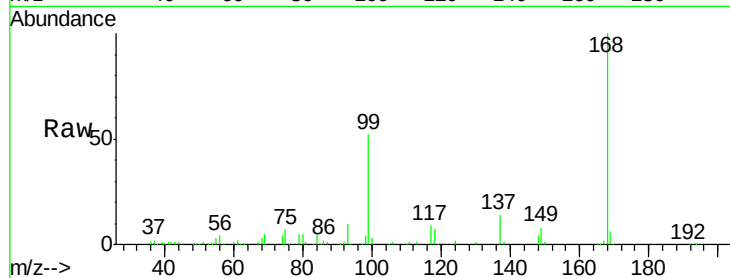
VD0628SBSD01

Tot Ion:168 Resp: 883289

Ion Ratio Lower Upper

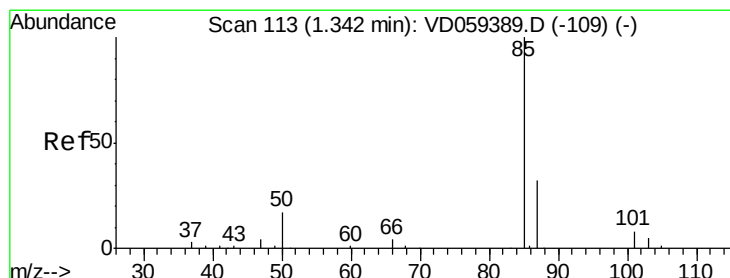
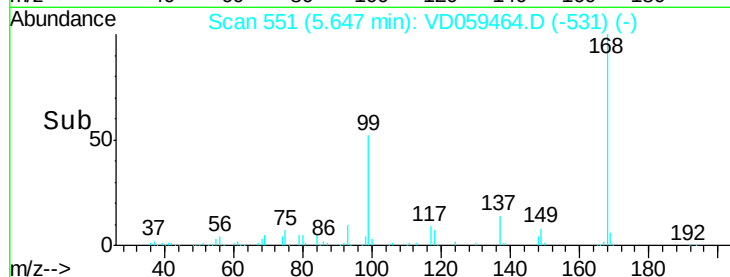
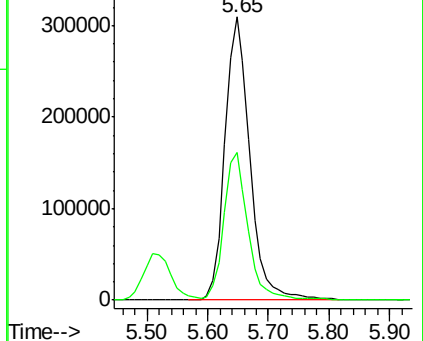
168 100

99 52.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.76 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD059464.D

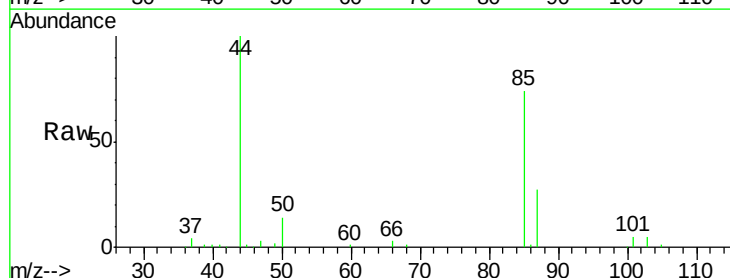
Acq: 28 Jun 2018 15:55

Tgt Ion: 85 Resp: 178892

Ion Ratio Lower Upper

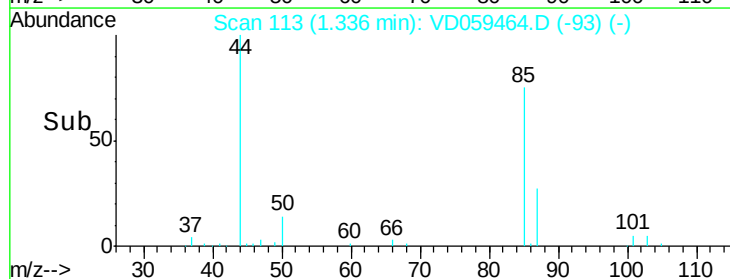
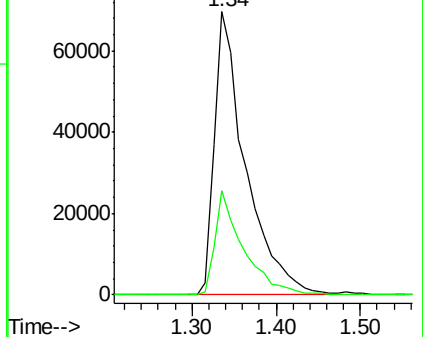
85 100

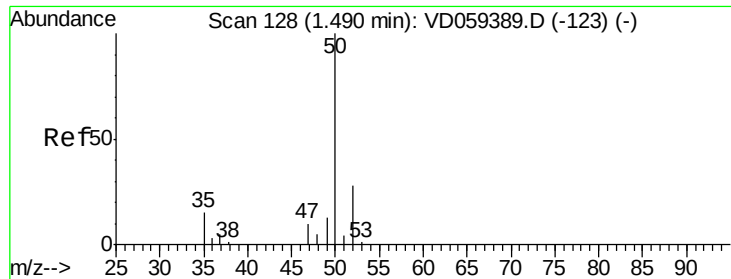
87 36.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.88 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

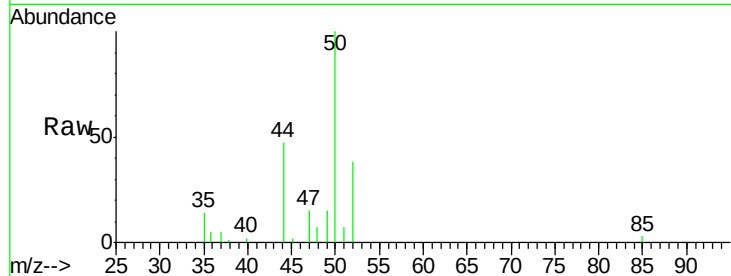
VD0628SBSD01

Tot Ion: 50 Resp: 81298

Ion Ratio Lower Upper

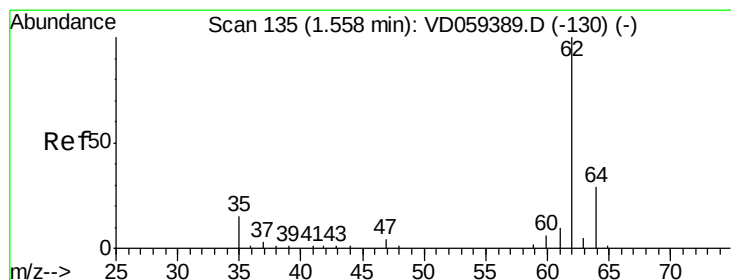
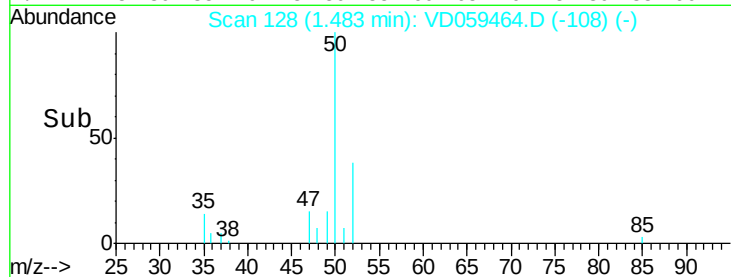
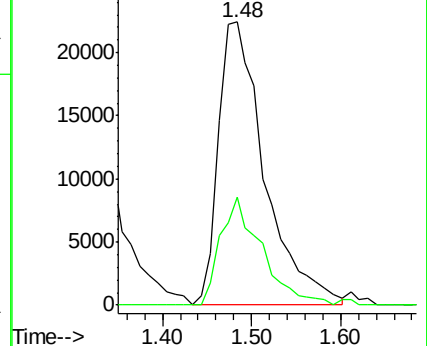
50 100

52 38.3 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: 21.09 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059464.D

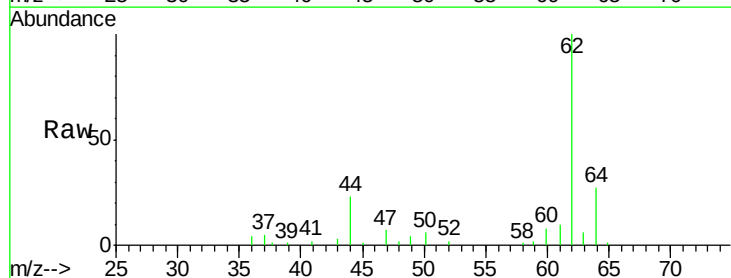
Acq: 28 Jun 2018 15:55

Tgt Ion: 62 Resp: 89454

Ion Ratio Lower Upper

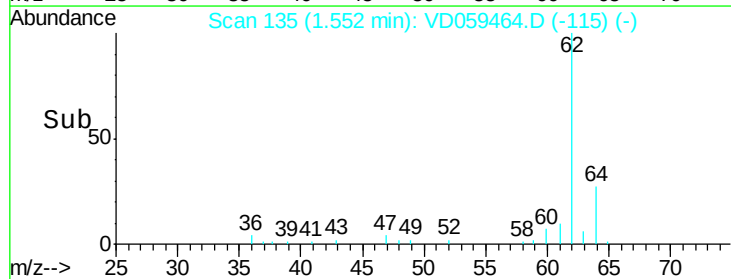
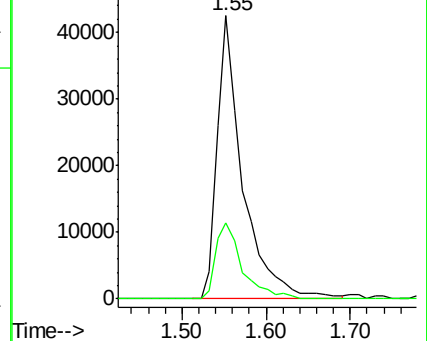
62 100

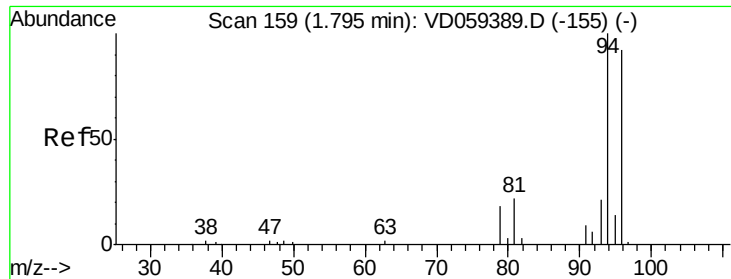
64 27.0 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.62 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

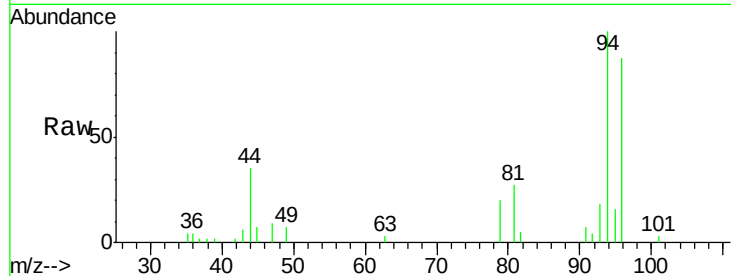
VD0628SBSD01

Tot Ion: 94 Resp: 32716

Ion Ratio Lower Upper

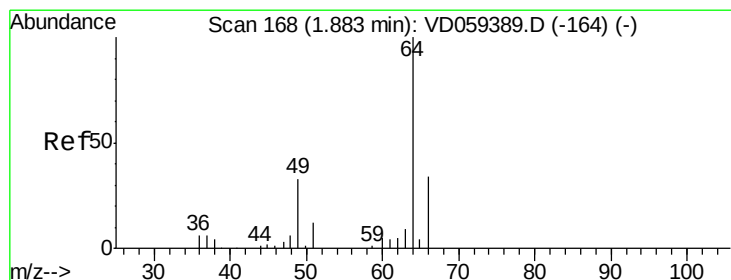
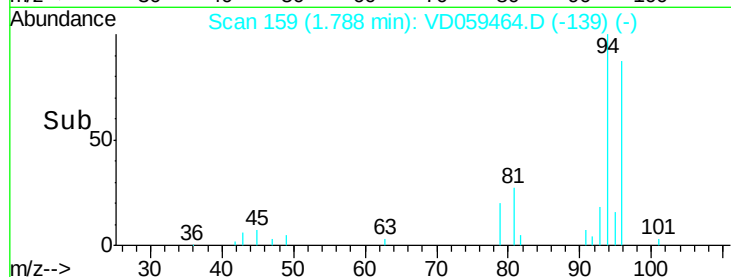
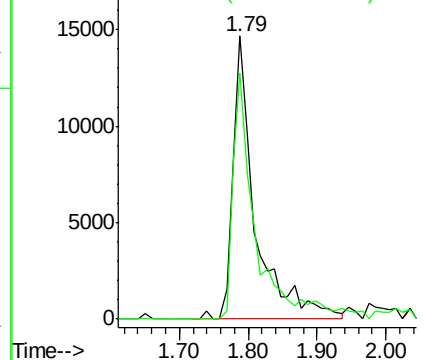
94 100

96 86.8 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: 17.35 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059464.D

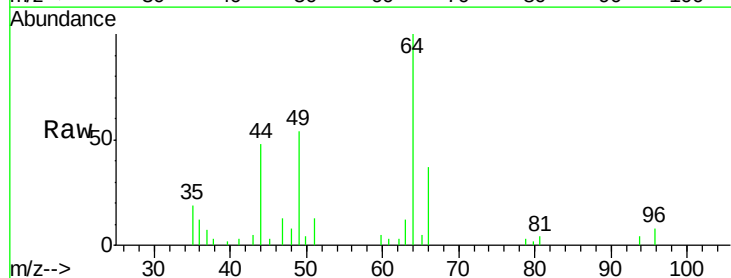
Acq: 28 Jun 2018 15:55

Tgt Ion: 64 Resp: 33738

Ion Ratio Lower Upper

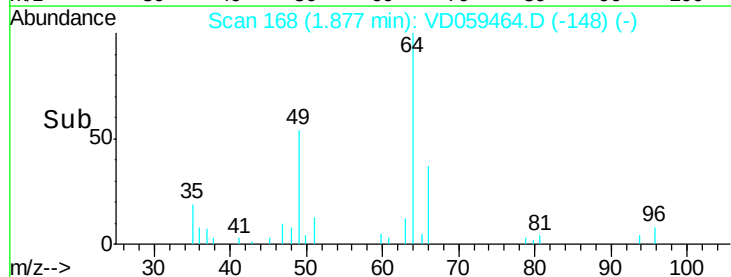
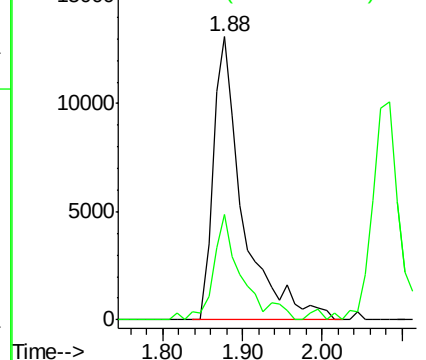
64 100

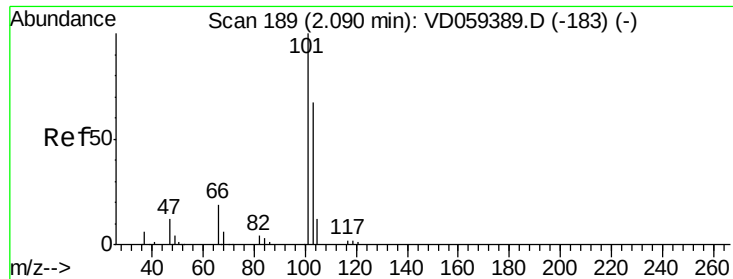
66 37.1 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



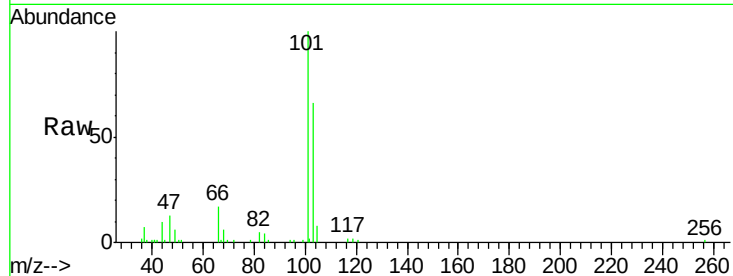


#7

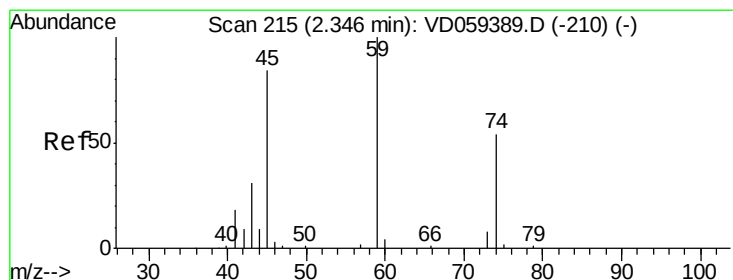
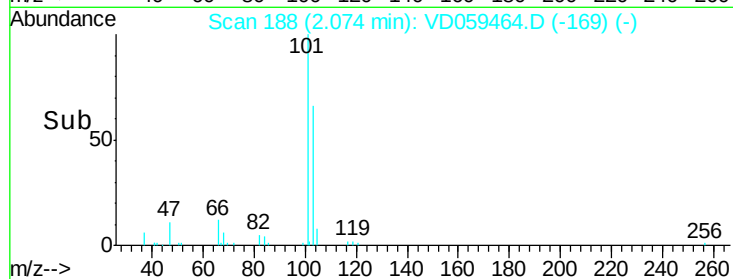
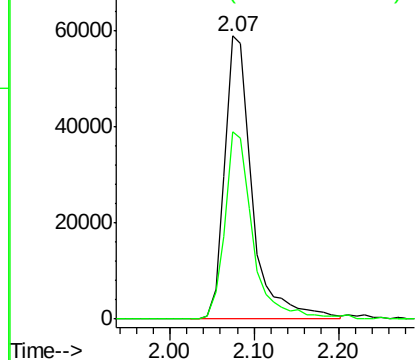
Trichlorofluoromethane
 Concen: 21.93 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion:101 Resp: 134135
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.4 80.0



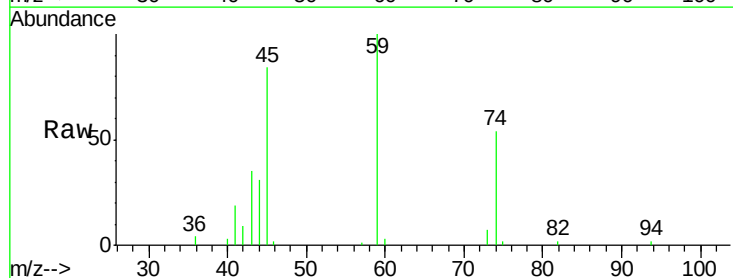
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



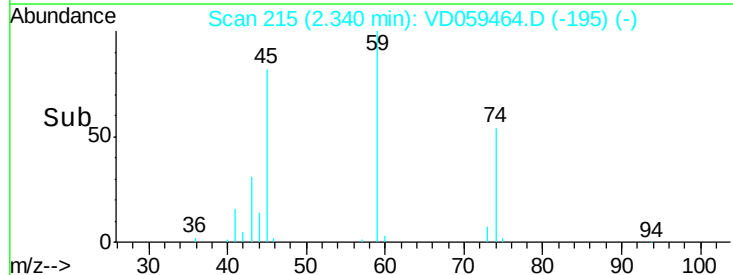
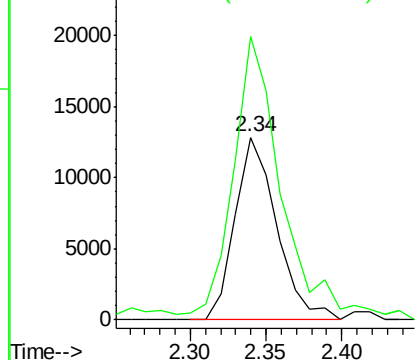
#8

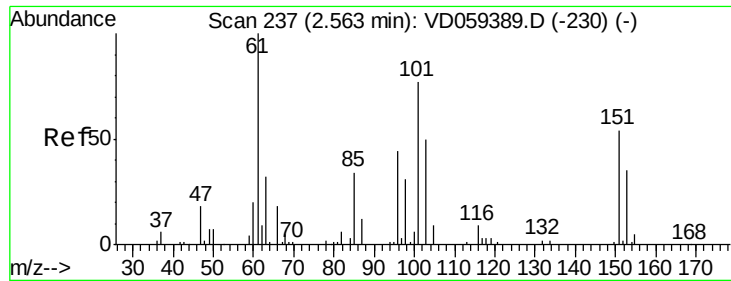
Diethyl Ether
 Concen: 17.71 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 74 Resp: 24512
 Ion Ratio Lower Upper
 74 100
 45 155.0 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: 22.50 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

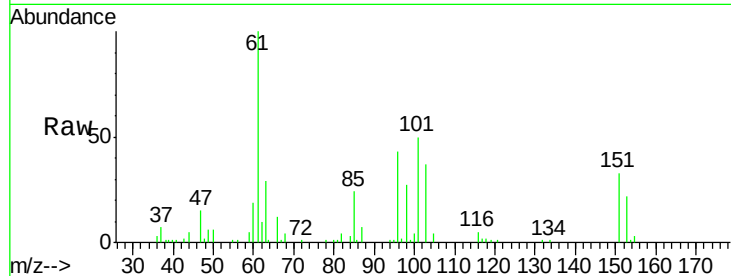
Tot Ion:101 Resp: 85523

Ion Ratio Lower Upper

101 100

85 49.1 35.7 53.5

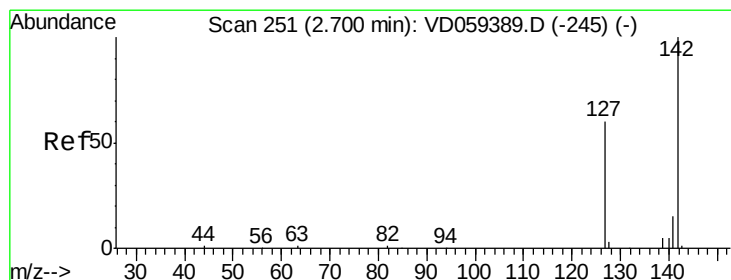
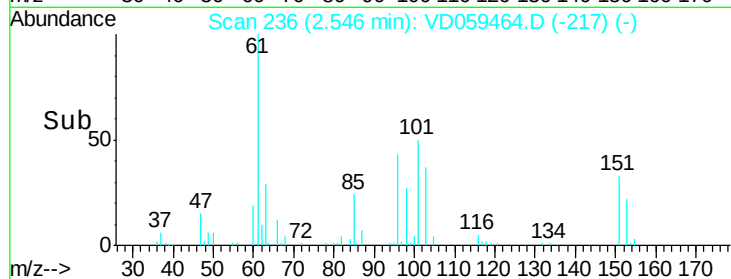
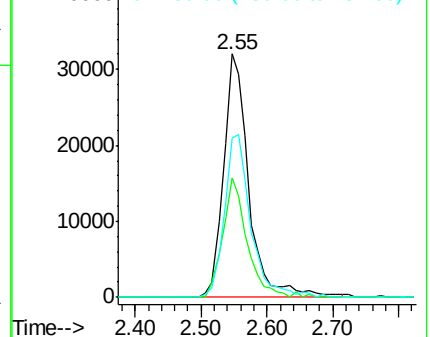
151 65.2 55.8 83.8



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: 20.04 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

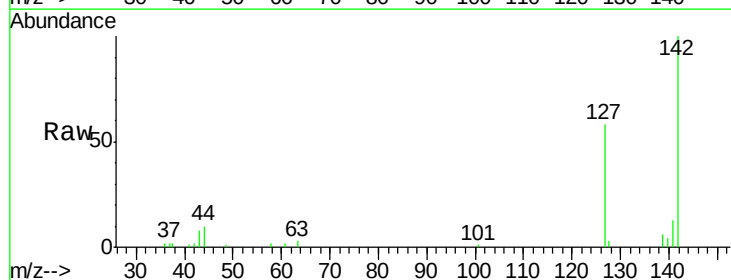
Tgt Ion:142 Resp: 88967

Ion Ratio Lower Upper

142 100

127 58.2 48.4 72.6

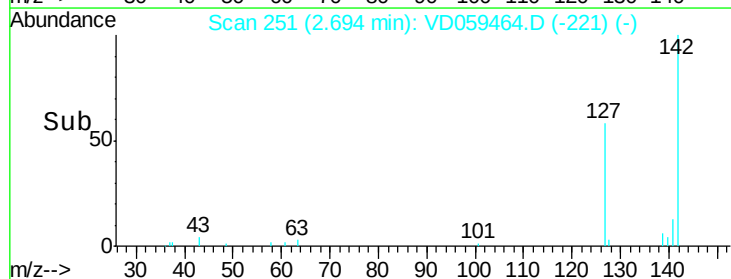
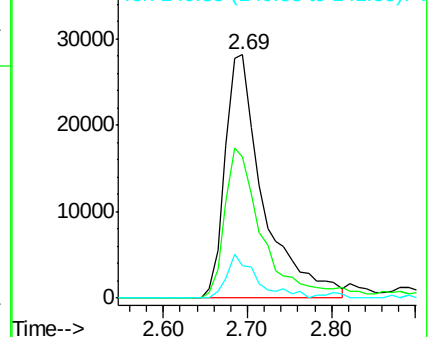
141 13.3 12.1 18.1

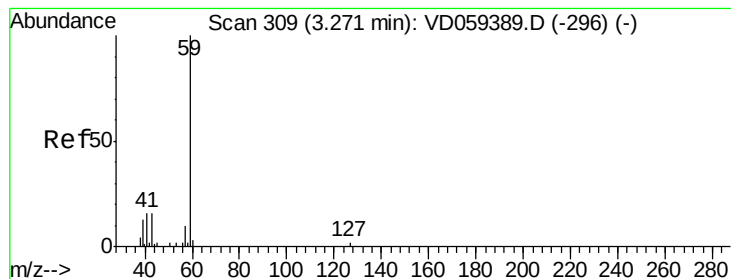


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



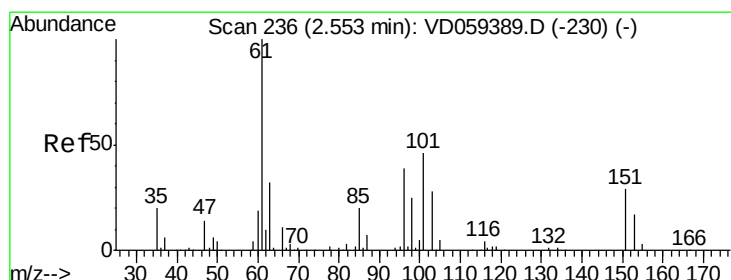
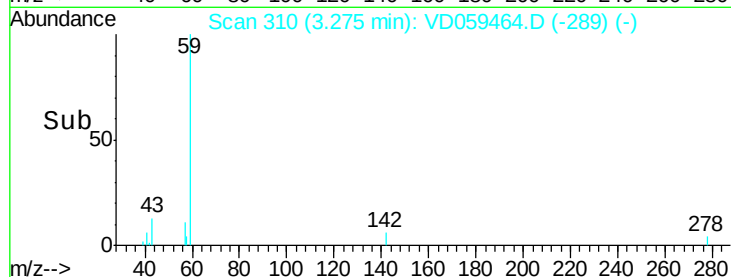
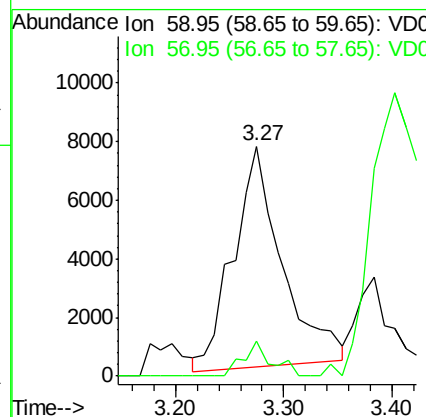
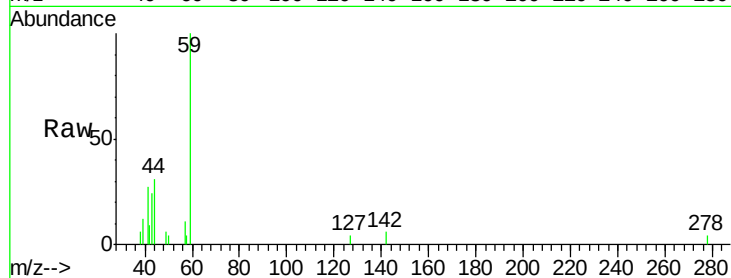


#11

Tert butyl alcohol
 Concen: 75.70 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

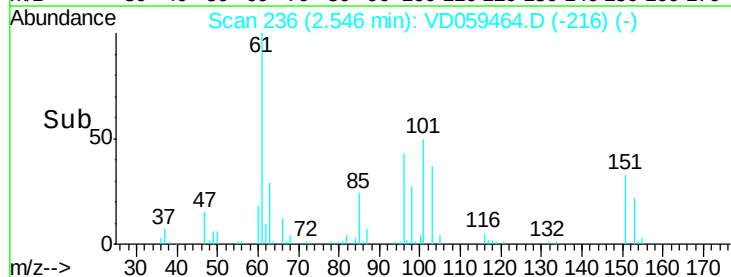
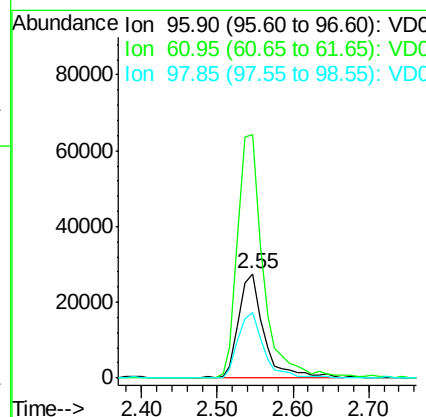
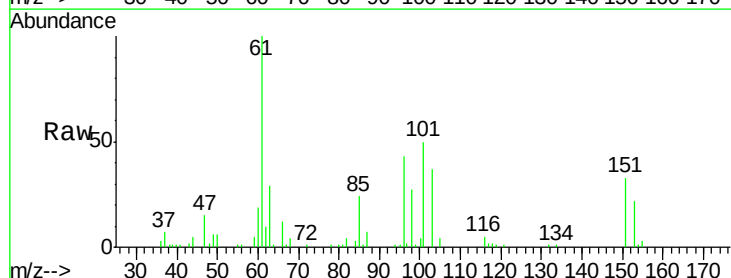
Tot Ion: 59 Resp: 23655
 Ion Ratio Lower Upper
 59 100
 57 15.5 8.3 12.5#

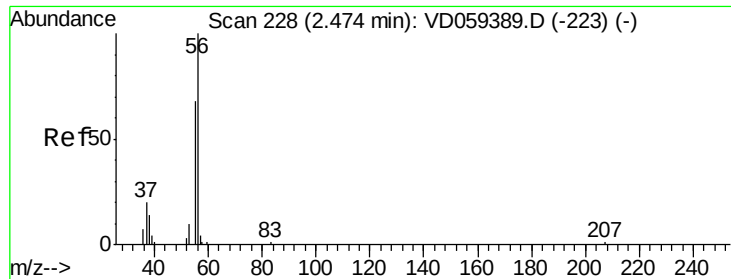


#12

1,1-Dichloroethene
 Concen: 21.78 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 96 Resp: 63379
 Ion Ratio Lower Upper
 96 100
 61 232.9 205.4 308.0
 98 62.5 51.0 76.4





#13

Acrolein

Concen: 97.99 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

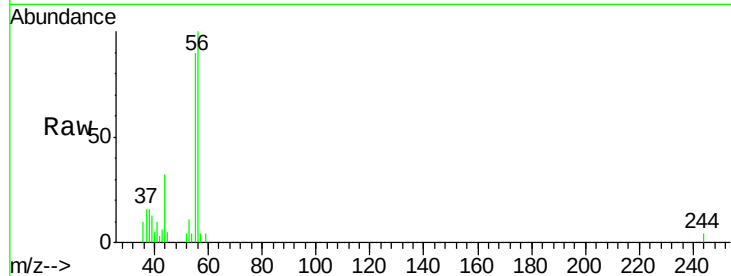
VD0628SBS01

Tot Ion: 56 Resp: 27374

Ion Ratio Lower Upper

56 100

55 90.4 54.6 82.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

6000

4000

2000

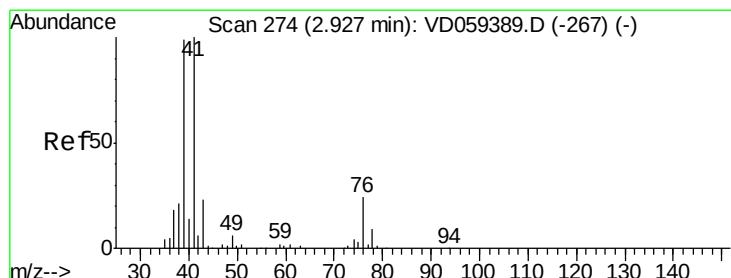
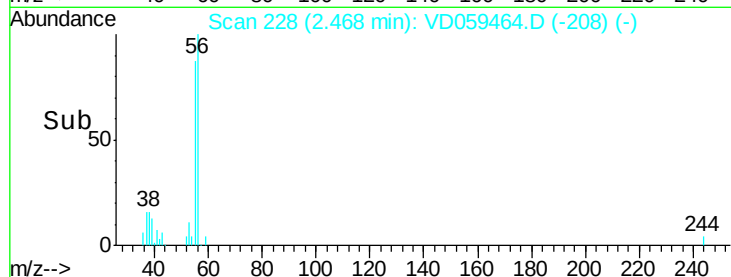
0

Time-->

2.40

2.50

2.60



#14

Allyl chloride

Concen: 20.60 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

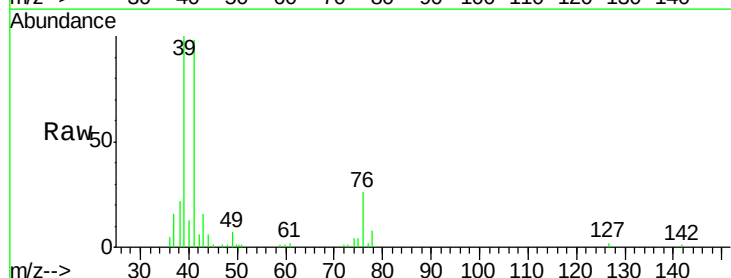
Tgt Ion: 41 Resp: 137202

Ion Ratio Lower Upper

41 100

39 102.0 79.1 118.7

76 26.3 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

80000

60000

40000

20000

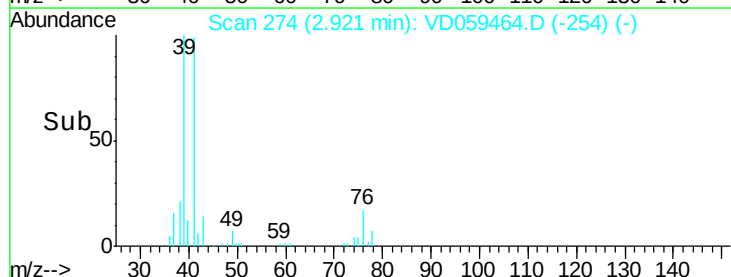
0

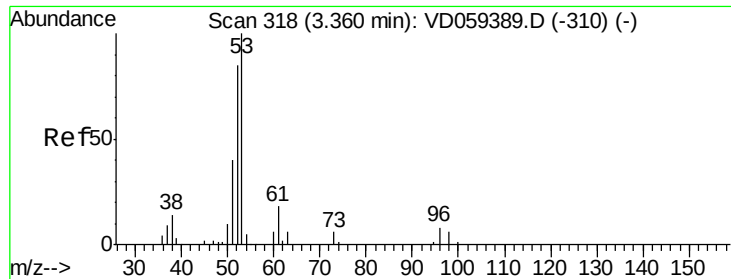
Time-->

2.80

2.90

3.00





#15

Acrylonitrile

Concen: 81.22 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

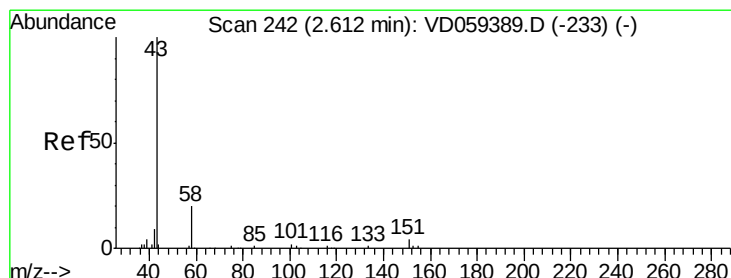
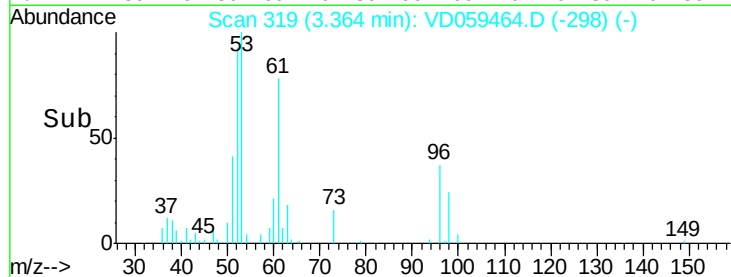
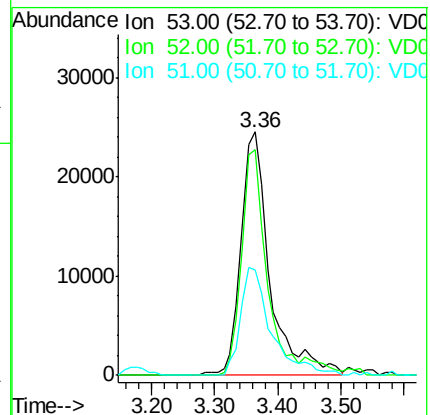
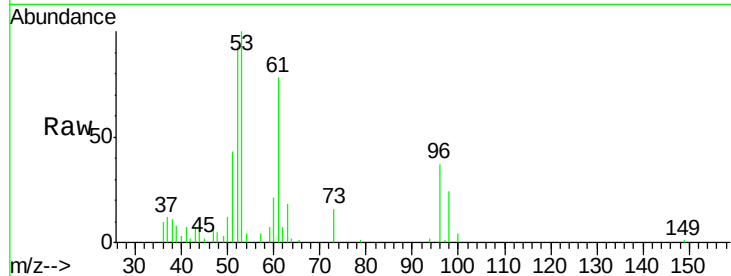
Tot Ion: 53 Resp: 77895

Ion Ratio Lower Upper

53 100

52 92.5 67.9 101.9

51 43.3 32.2 48.4



#16

Acetone

Concen: 103.08 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059464.D

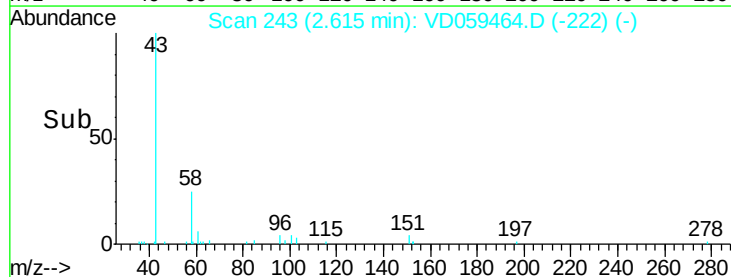
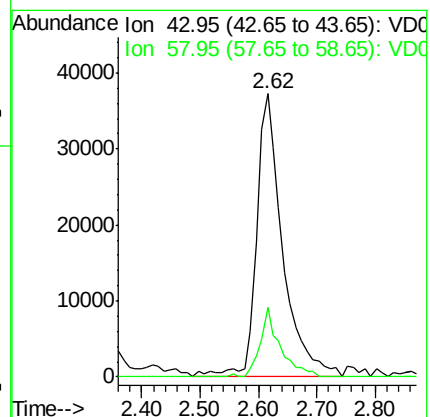
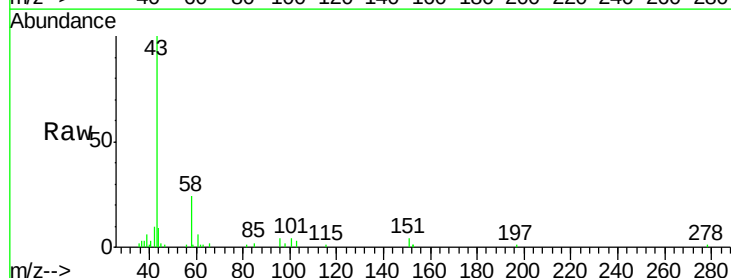
Acq: 28 Jun 2018 15:55

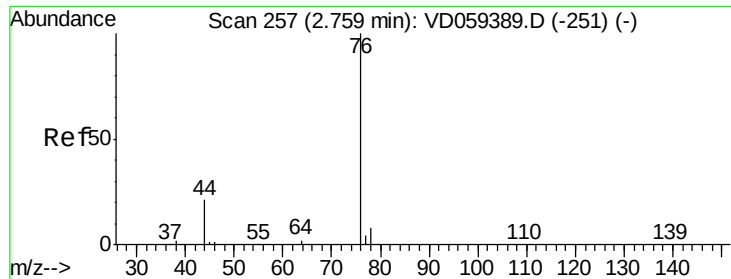
Tgt Ion: 43 Resp: 117511

Ion Ratio Lower Upper

43 100

58 24.4 16.8 25.2

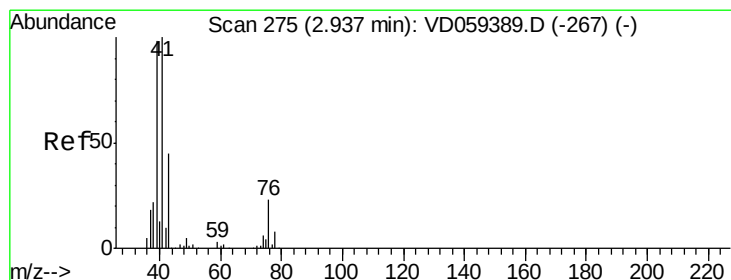
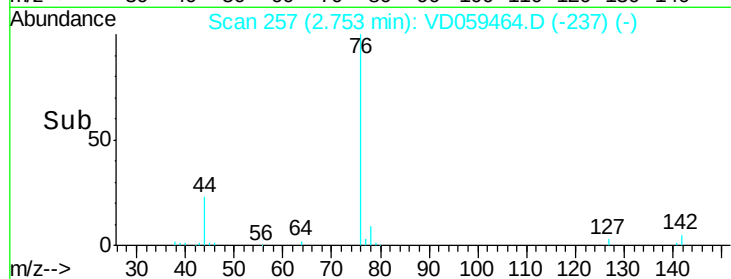
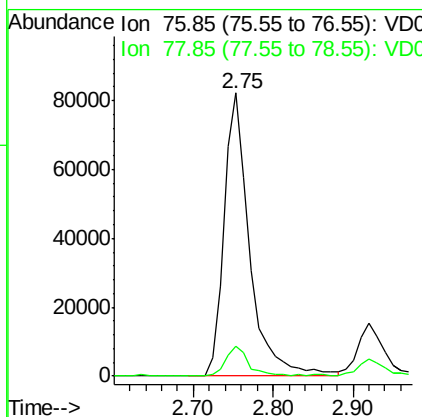
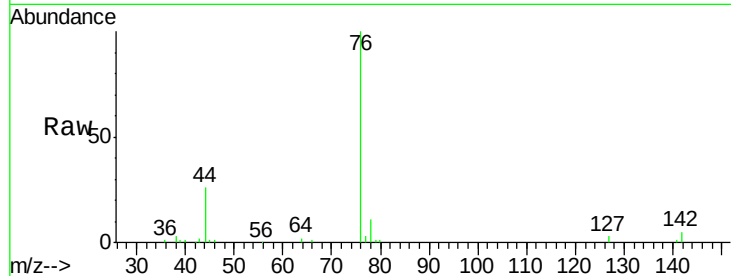




#17
Carbon Disulfide
Concen: 20.83 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

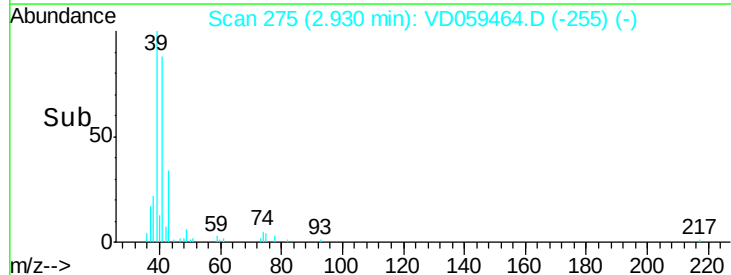
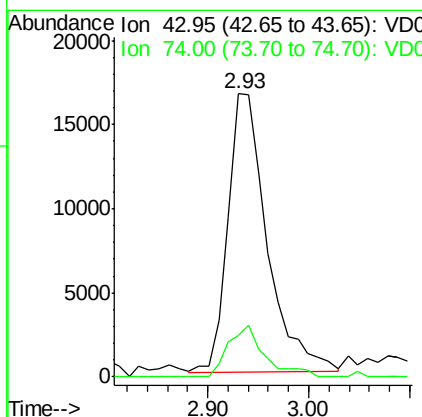
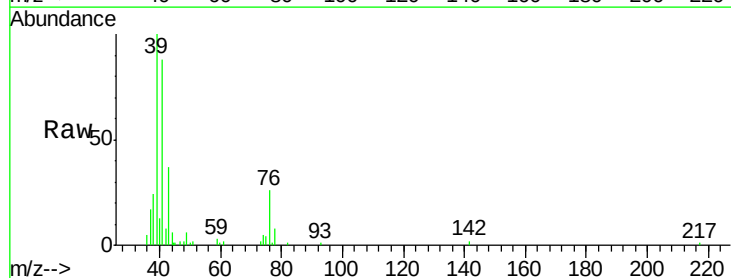
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

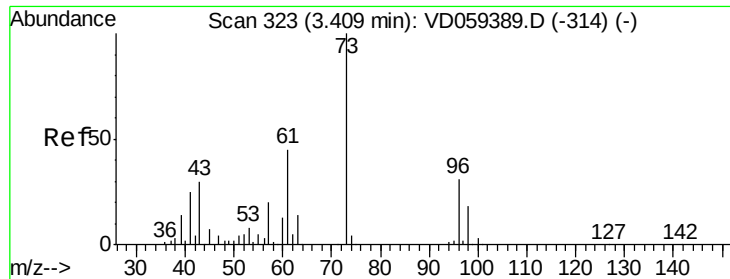
Tot Ion: 76 Resp: 185638
Ion Ratio Lower Upper
76 100
78 10.5 6.6 9.8#



#18
Methyl Acetate
Concen: 16.36 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 43 Resp: 44751
Ion Ratio Lower Upper
43 100
74 14.8 11.0 16.4

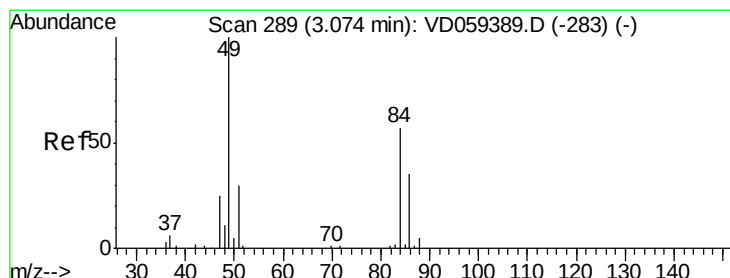
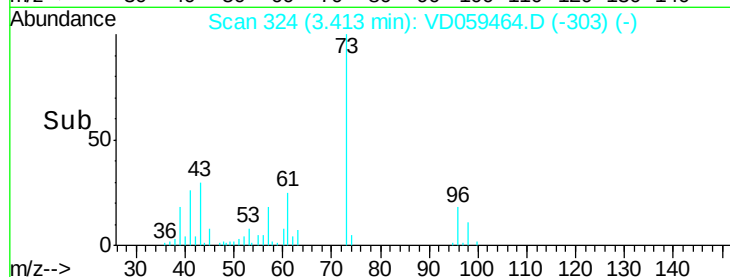
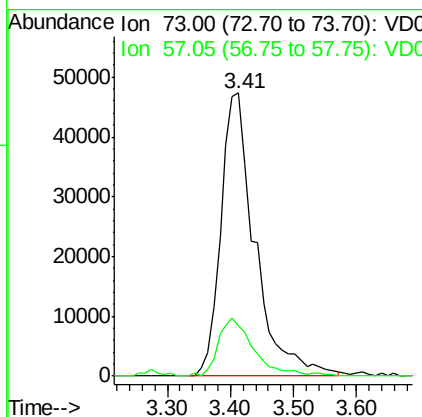
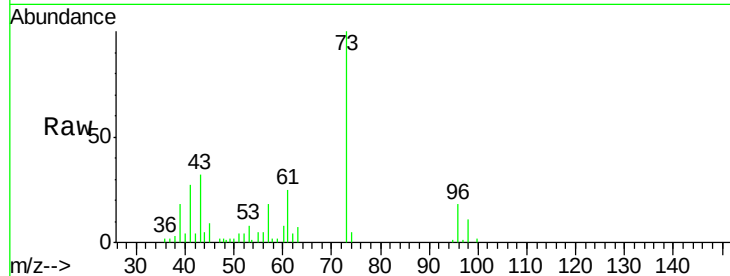




#19
Methyl tert-butyl Ether
Concen: 12.41 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

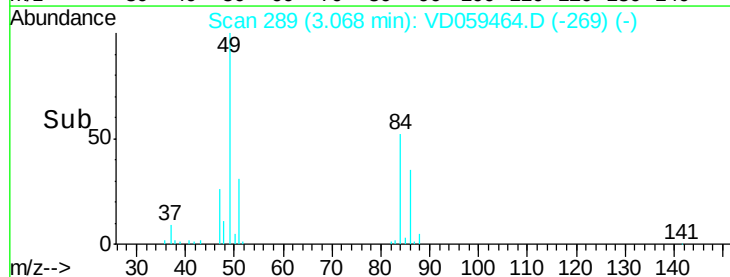
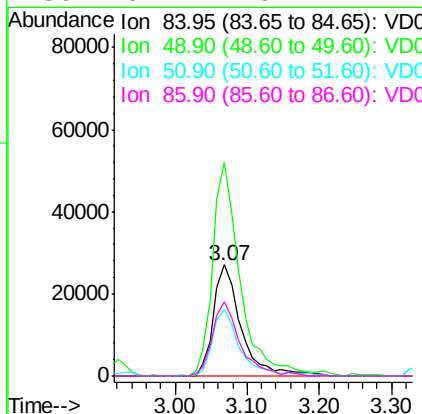
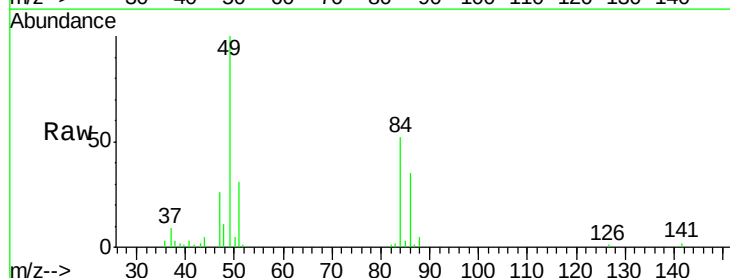
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

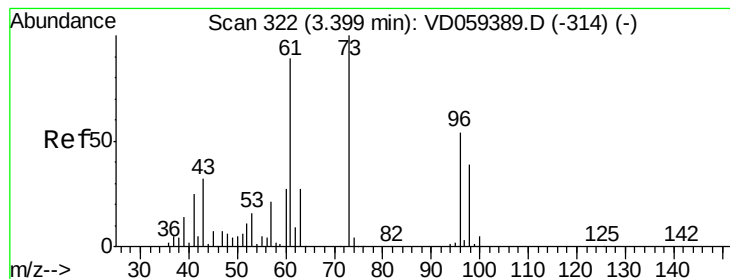
Tot Ion: 73 Resp: 177741
Ion Ratio Lower Upper
73 100
57 17.9 16.1 24.1



#20
Methylene Chloride
Concen: 21.14 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 84 Resp: 71387
Ion Ratio Lower Upper
84 100
49 192.5 140.3 210.5
51 59.6 41.6 62.4
86 67.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 15.08 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

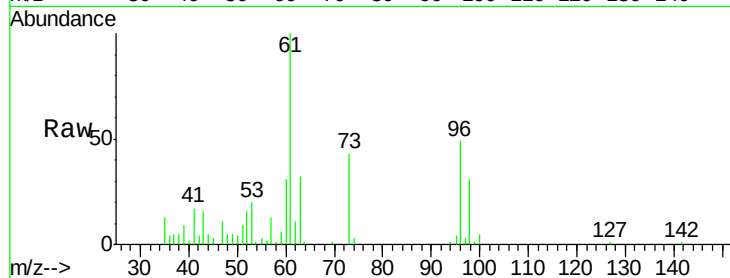
Tot Ion: 96 Resp: 77616

Ion Ratio Lower Upper

96 100

61 206.2 131.0 196.4#

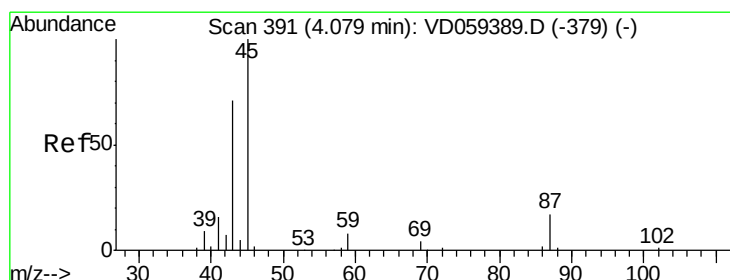
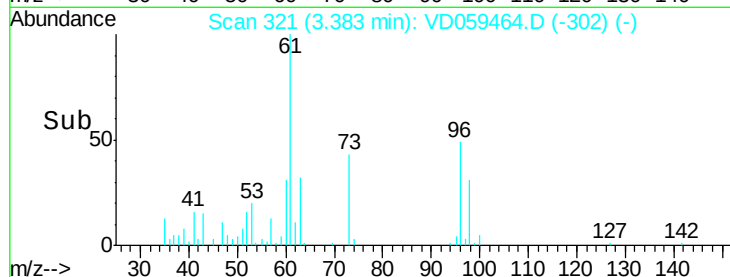
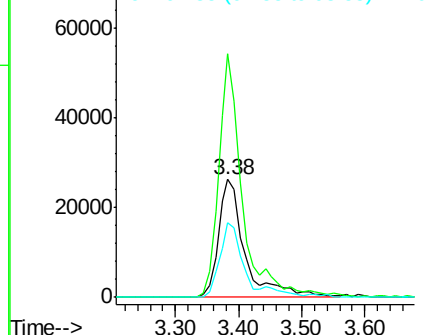
98 63.5 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.67 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Tgt Ion: 45 Resp: 517992

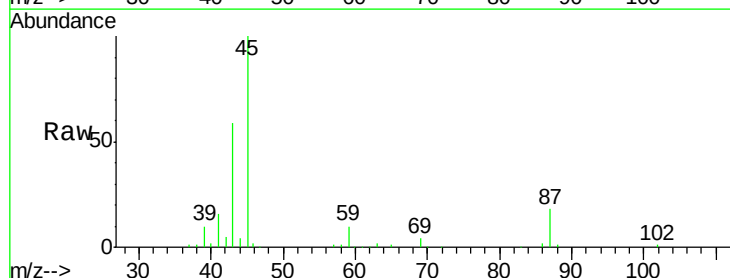
Ion Ratio Lower Upper

45 100

43 58.7 56.9 85.3

87 18.4 14.2 21.4

59 9.9 7.0 10.4

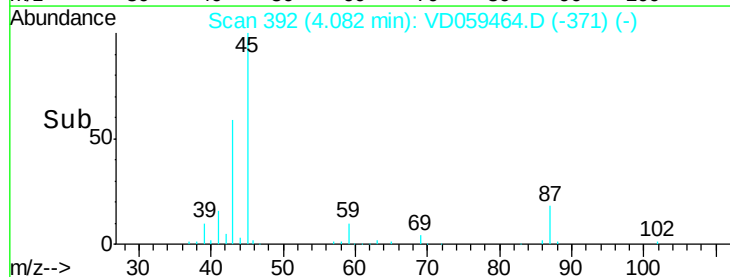
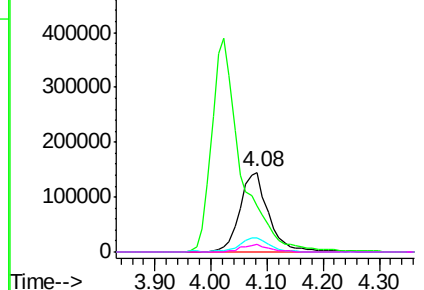


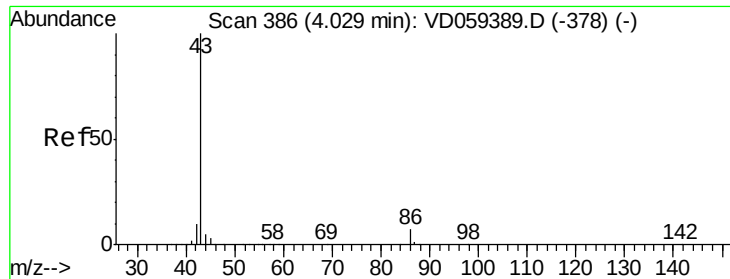
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 108.06 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

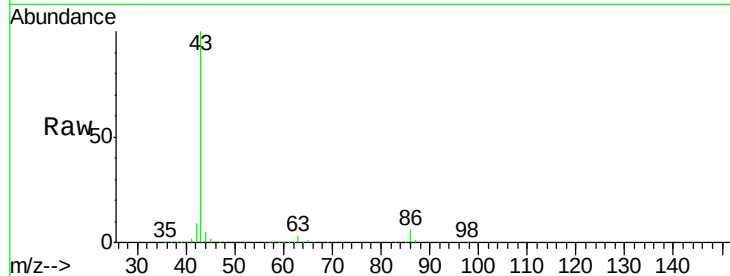
VD0628SBS01

Tot Ion: 43 Resp: 1411164

Ion Ratio Lower Upper

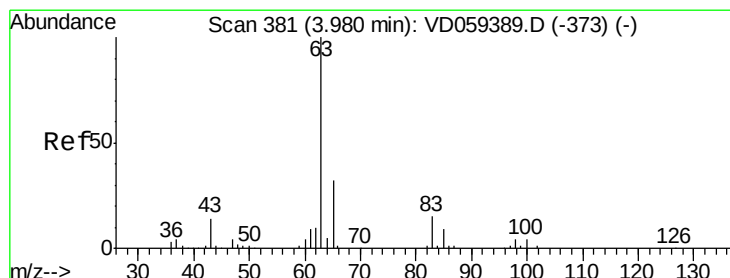
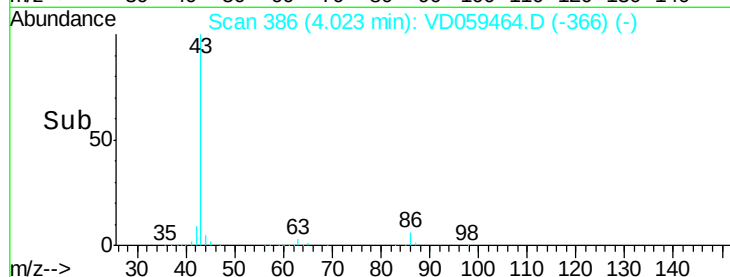
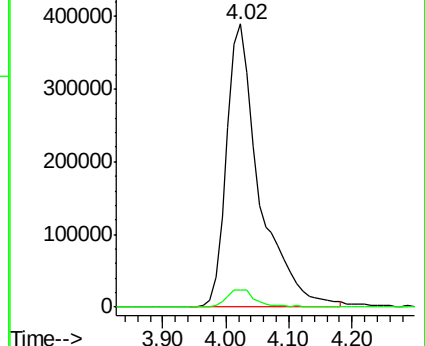
43 100

86 6.2 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.19 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

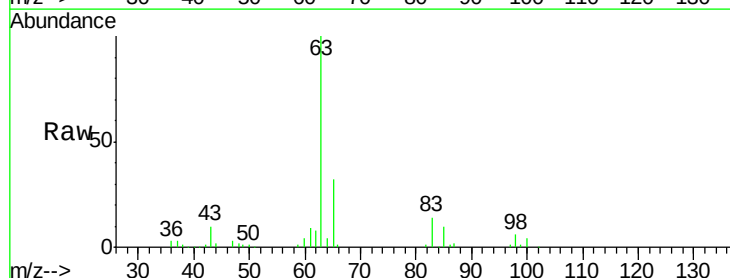
Tgt Ion: 63 Resp: 318266

Ion Ratio Lower Upper

63 100

98 5.7 2.1 6.5

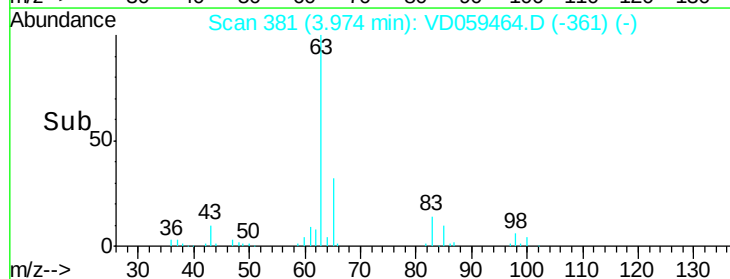
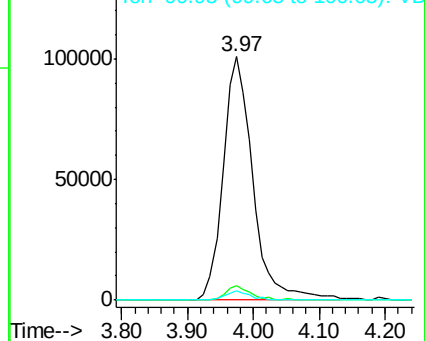
100 3.7 1.8 5.5

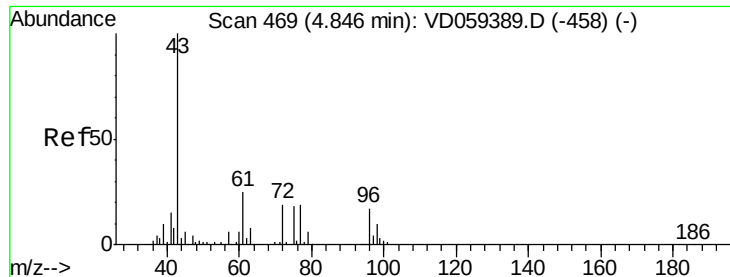


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.78 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

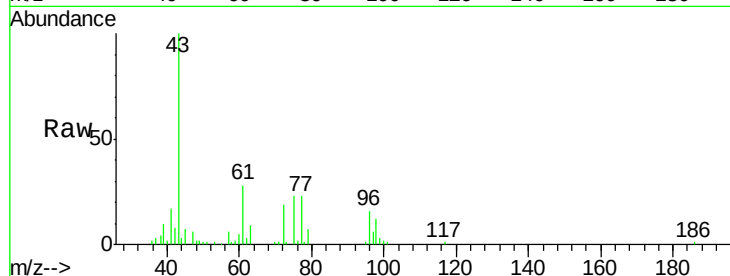
VD0628SBSD01

Tot Ion: 43 Resp: 238277

Ion Ratio Lower Upper

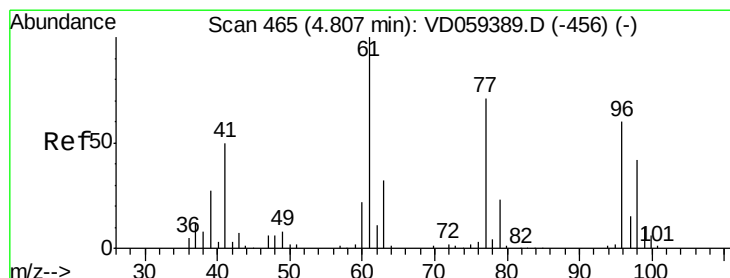
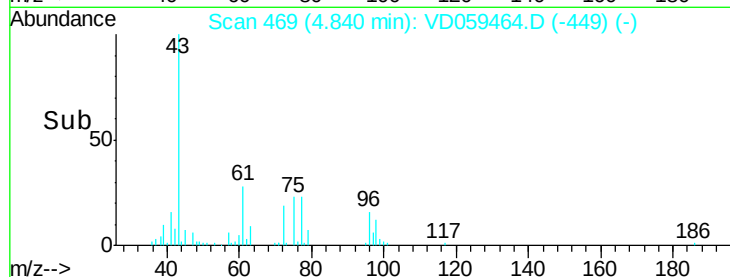
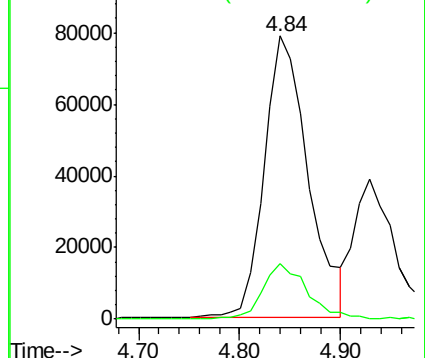
43 100

72 19.5 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: 24.03 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059464.D

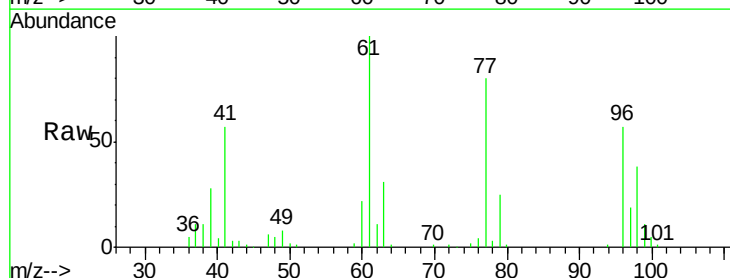
Acq: 28 Jun 2018 15:55

Tgt Ion: 77 Resp: 267309

Ion Ratio Lower Upper

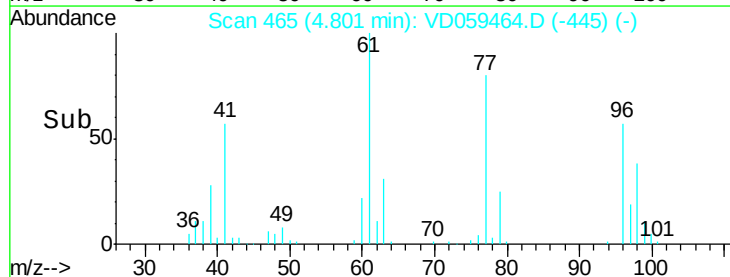
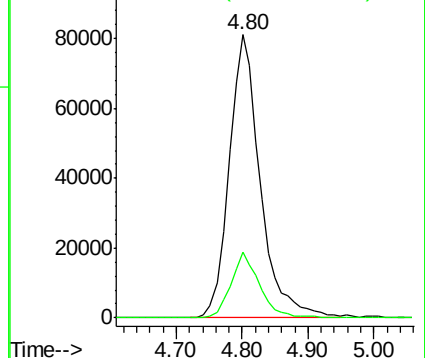
77 100

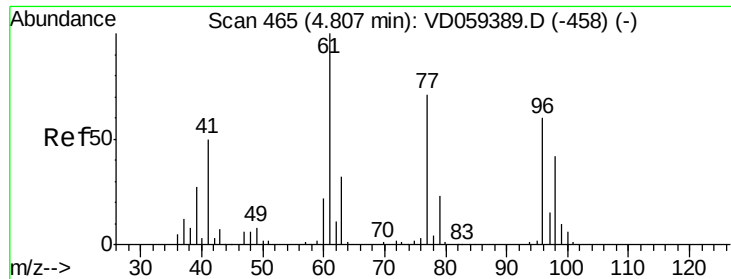
97 23.4 10.7 32.1



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: 20.37 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

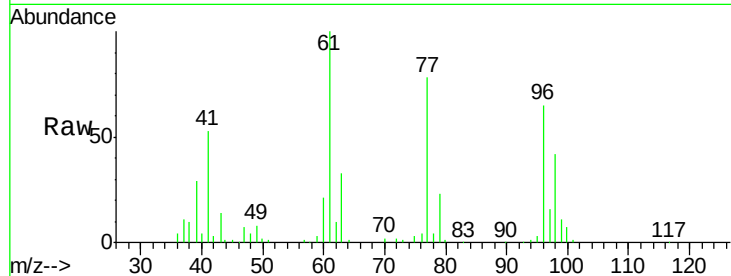
Tot Ion: 96 Resp: 176113

Ion Ratio Lower Upper

96 100

61 153.2 0.0 335.8

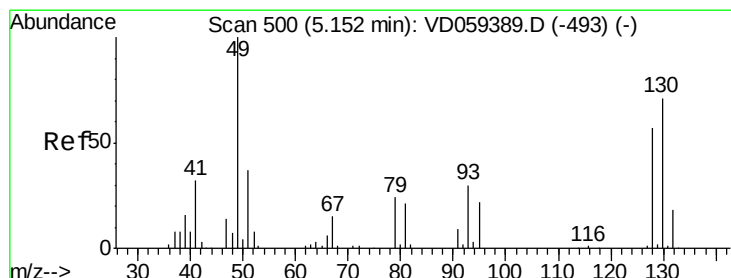
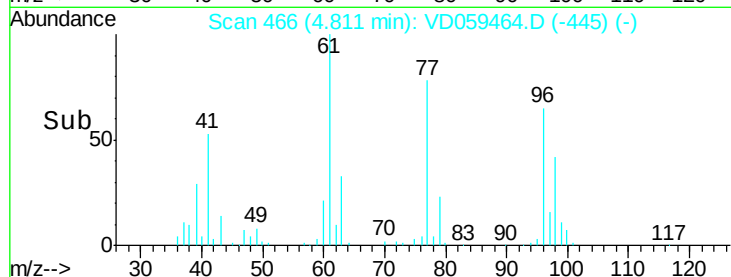
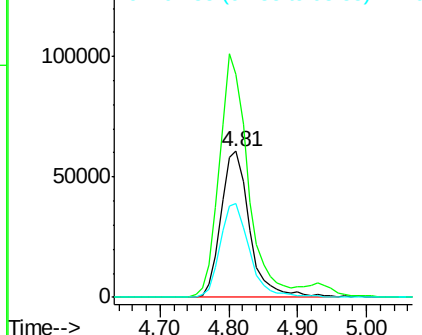
98 64.1 0.0 141.0



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: 20.89 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

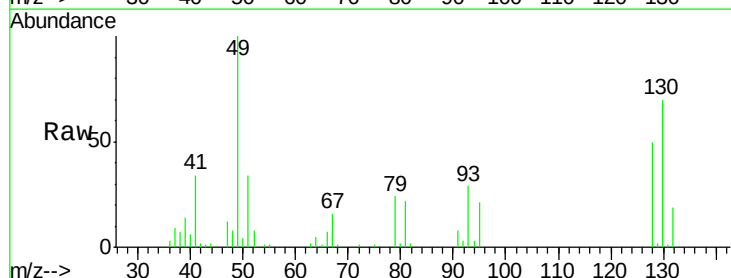
Tgt Ion: 49 Resp: 129880

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

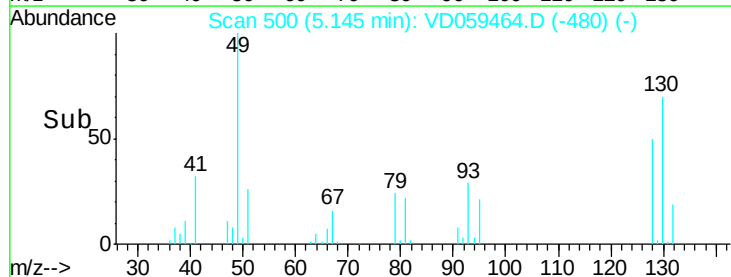
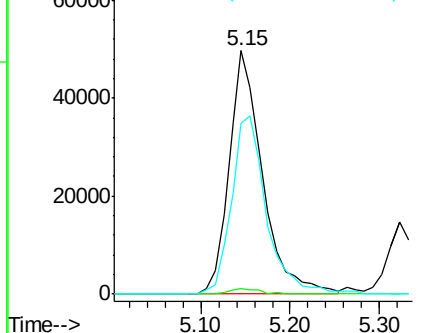
130 70.1 57.0 85.6

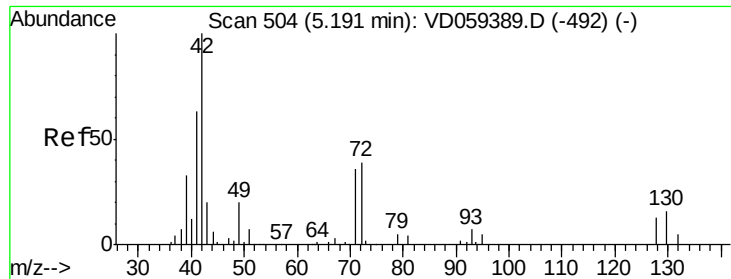


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

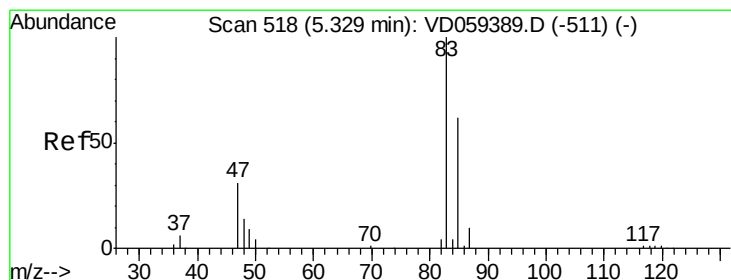
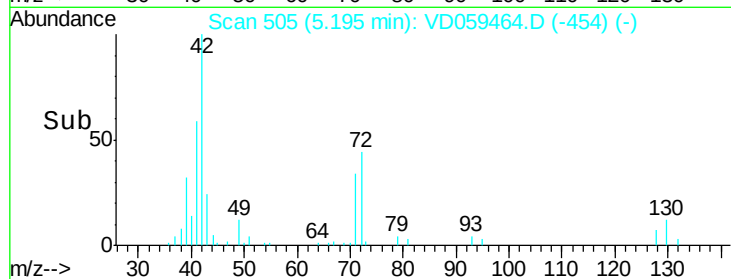
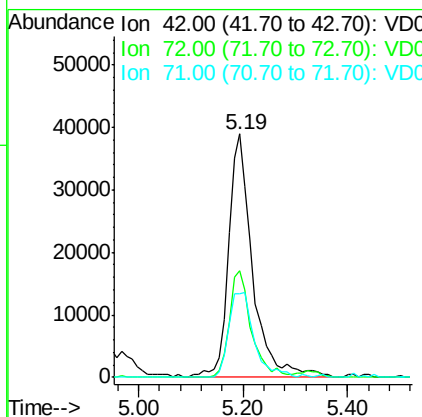
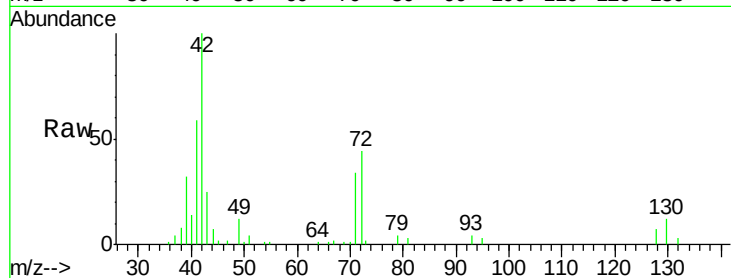




#29
Tetrahydrofuran
Concen: 94.21 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

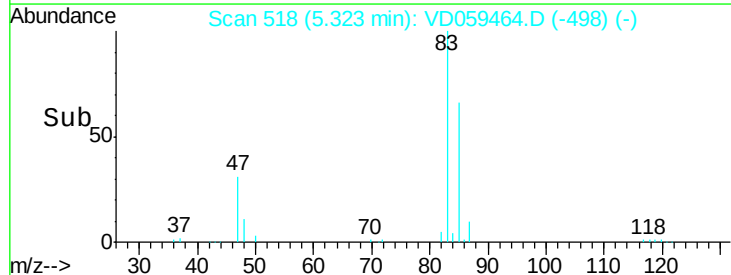
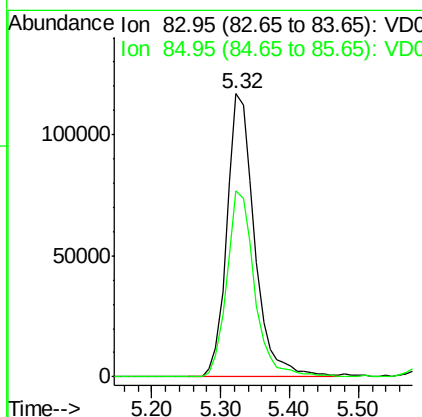
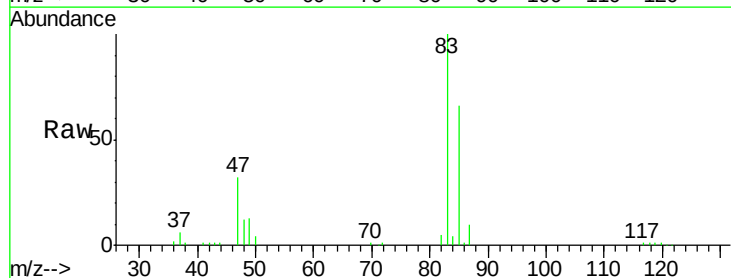
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

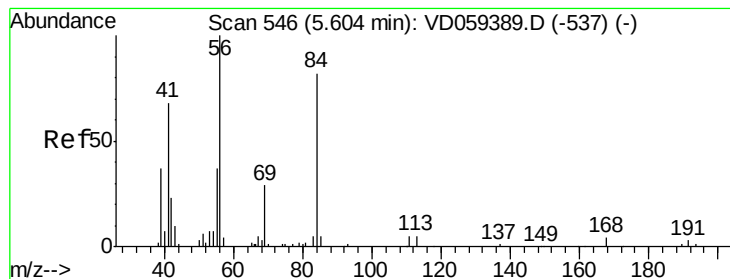
Tot Ion: 42 Resp: 123059
Ion Ratio Lower Upper
42 100
72 39.9 31.4 47.2
71 36.9 29.7 44.5



#30
Chloroform
Concen: 20.82 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 83 Resp: 325402
Ion Ratio Lower Upper
83 100
85 65.6 49.3 73.9





#31

Cyclohexane

Concen: 22.77 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

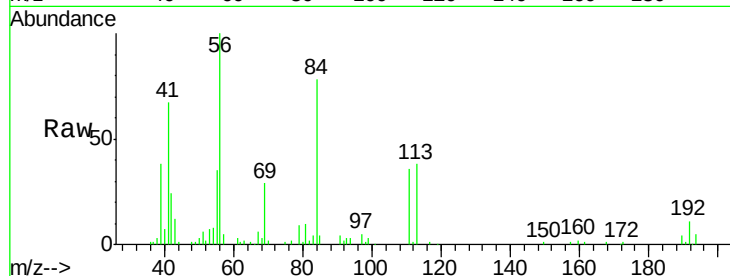
Tot Ion: 56 Resp: 235635

Ion Ratio Lower Upper

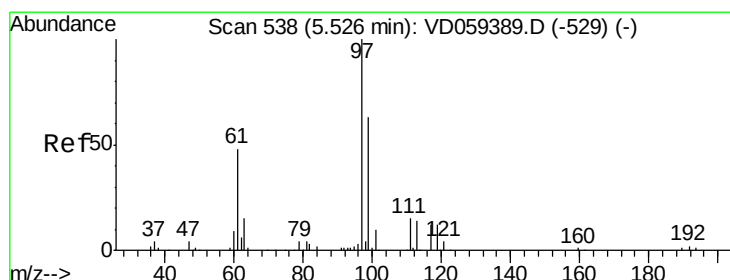
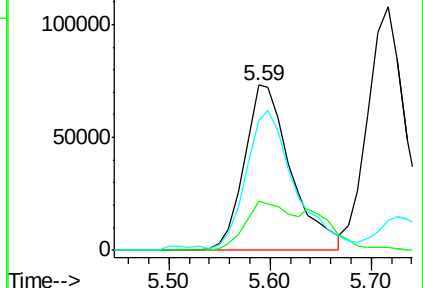
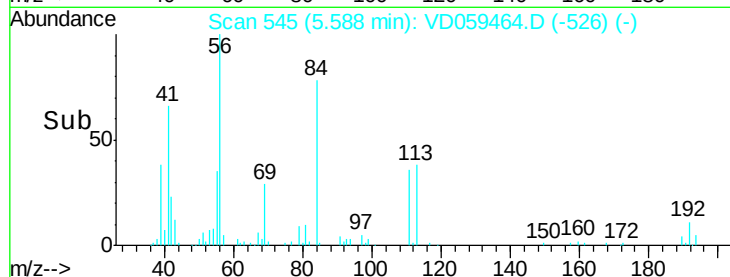
56 100

69 29.4 22.9 34.3

84 78.4 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: 20.97 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

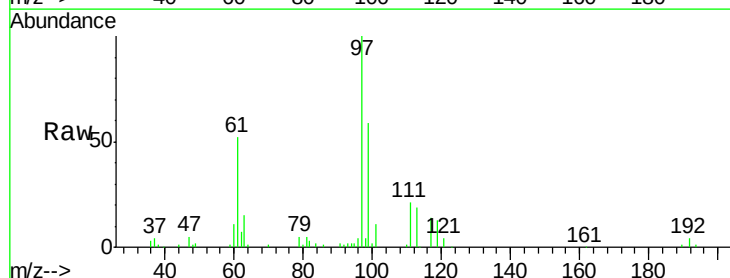
Tgt Ion: 97 Resp: 265514

Ion Ratio Lower Upper

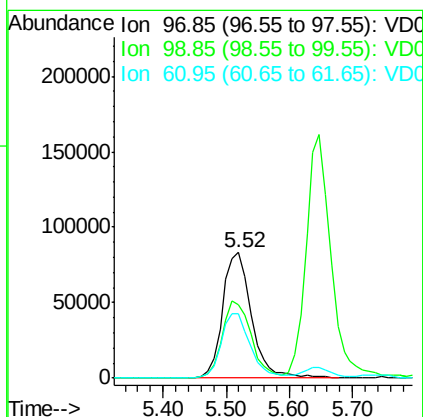
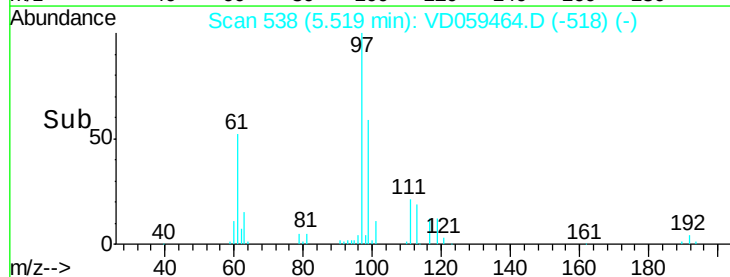
97 100

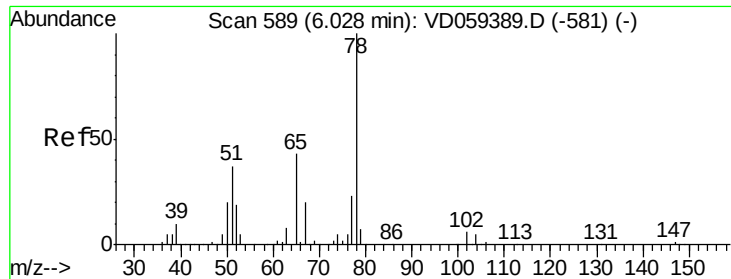
99 59.0 50.2 75.4

61 51.7 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

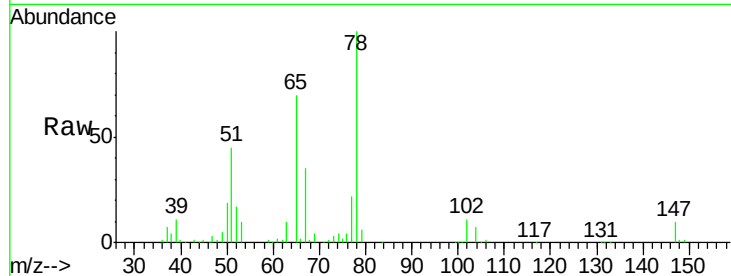




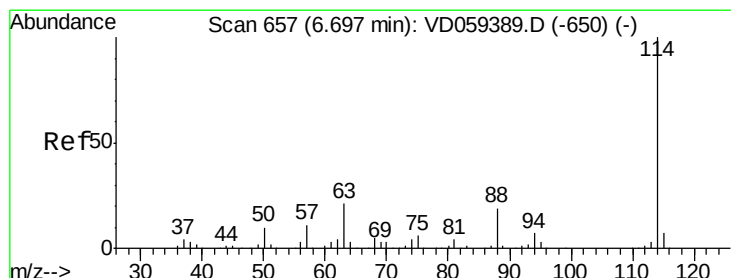
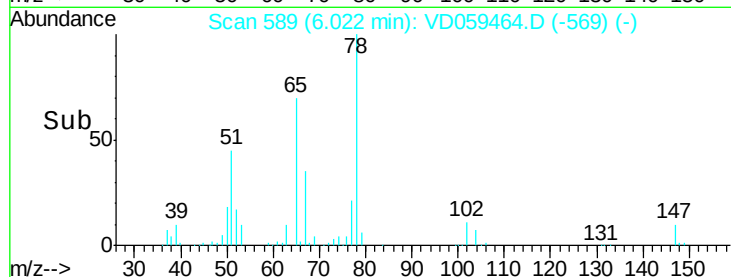
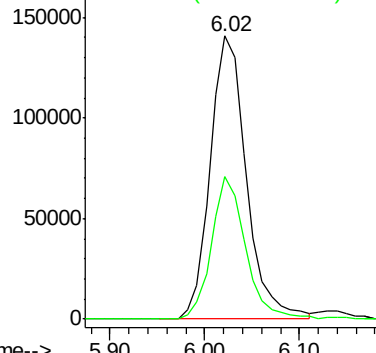
#33
 1,2-Dichloroethane-d4
 Concen: 20.97 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion: 65 Resp: 372626
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 93.8

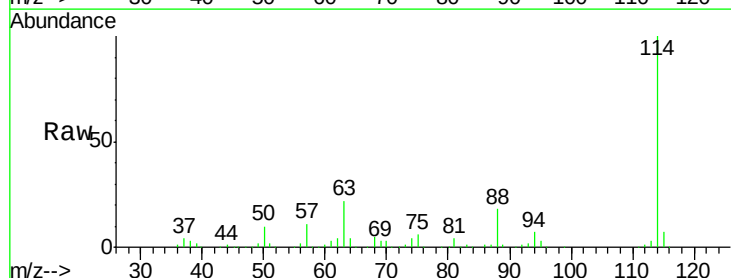


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

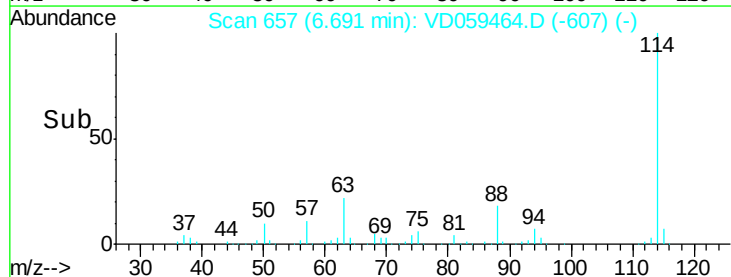
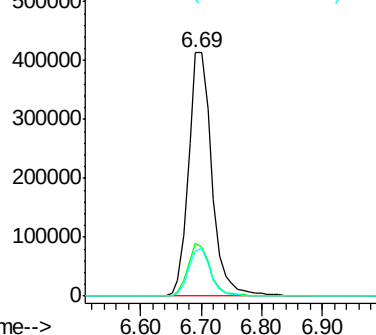


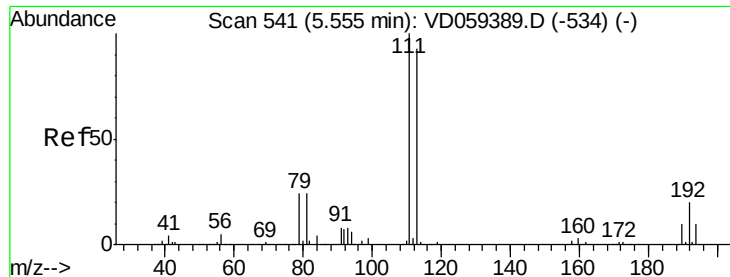
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 114 Resp: 1110162
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 18.4 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

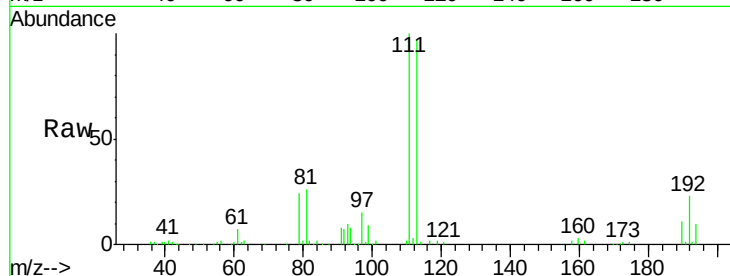
Tot Ion:113 Resp: 395749

Ion Ratio Lower Upper

113 100

111 102.6 85.7 128.5

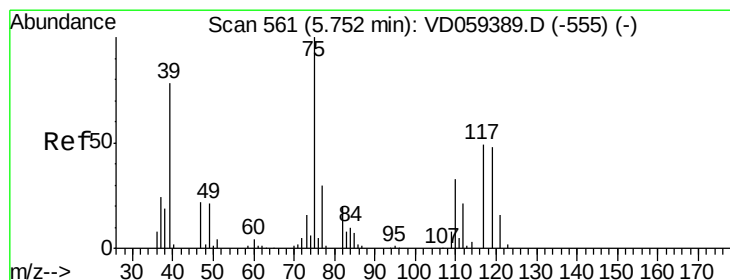
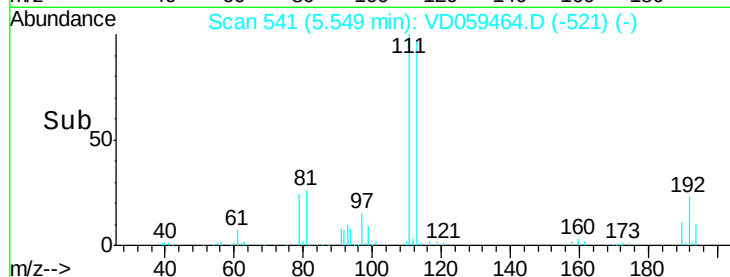
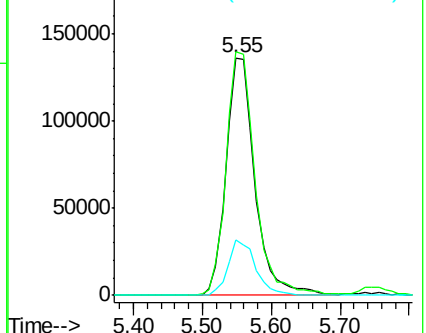
192 23.1 16.9 25.3



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: 22.52 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

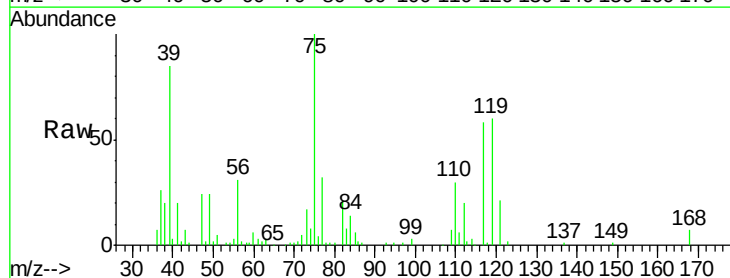
Tgt Ion: 75 Resp: 226779

Ion Ratio Lower Upper

75 100

110 29.5 16.1 48.2

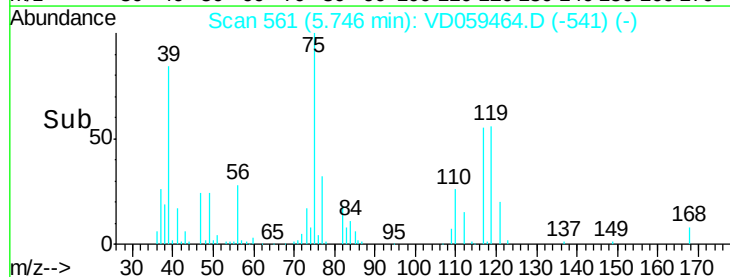
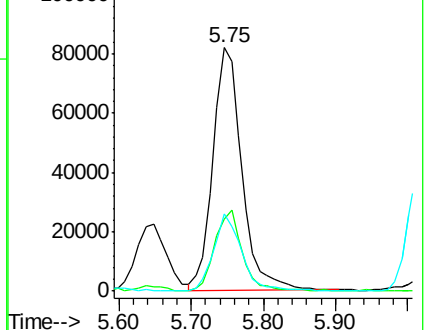
77 31.7 23.4 35.2

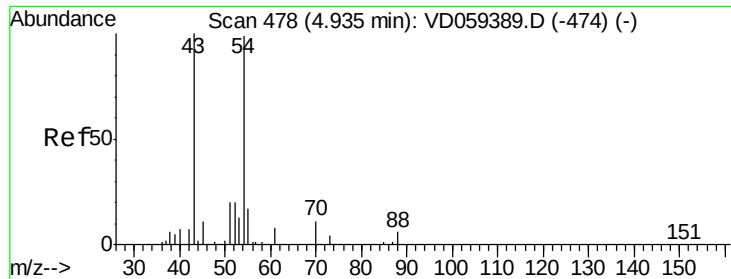


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

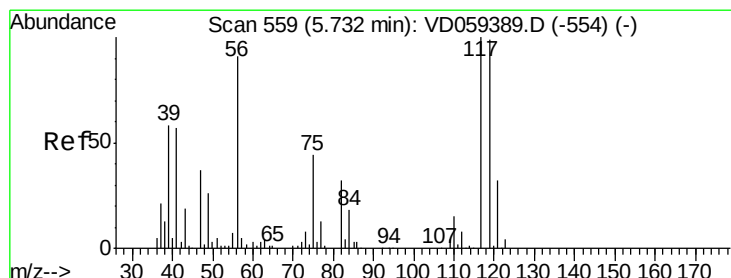
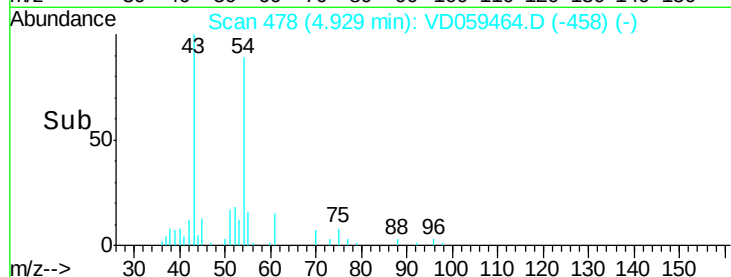
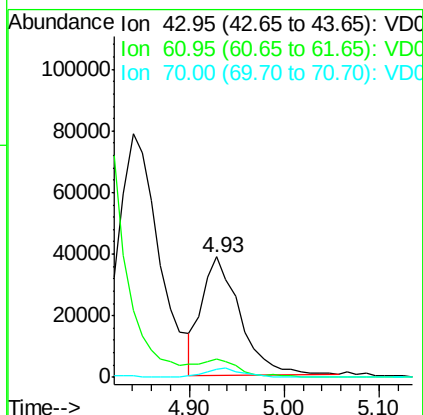
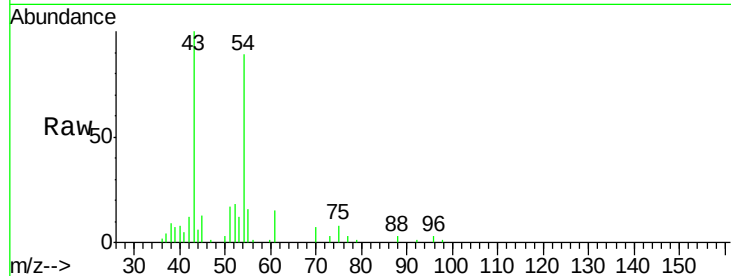




#37
Ethyl Acetate
Concen: 17.70 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

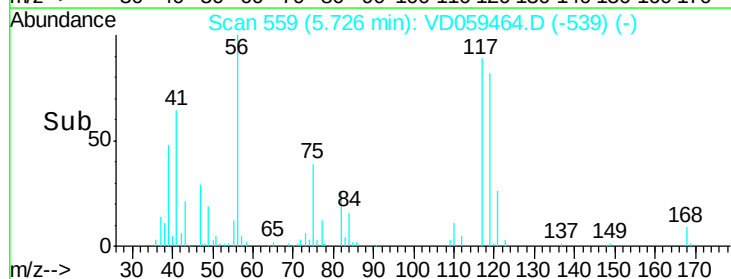
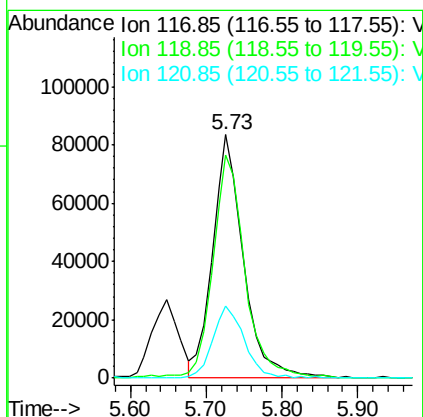
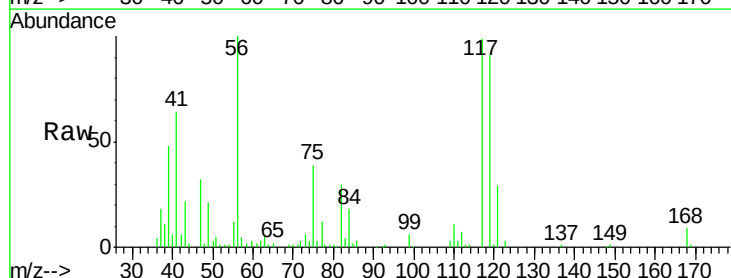
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

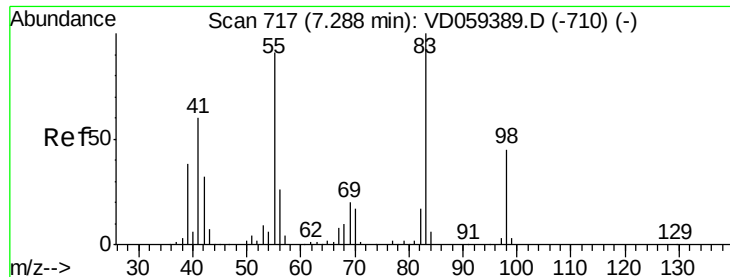
Tot Ion: 43 Resp: 108571
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 7.2 6.1 9.1



#38
Carbon Tetrachloride
Concen: 22.78 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 117 Resp: 236570
Ion Ratio Lower Upper
117 100
119 91.8 76.6 115.0
121 29.8 25.0 37.4

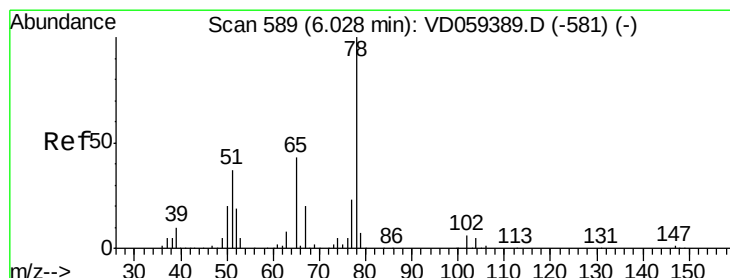
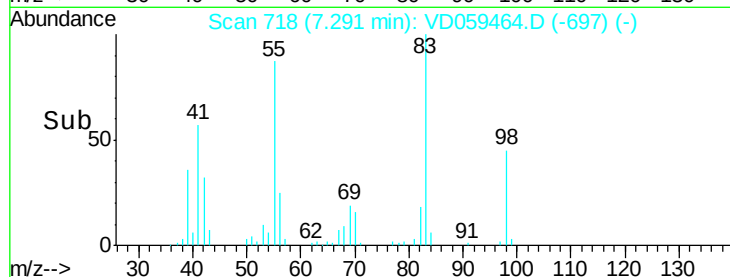
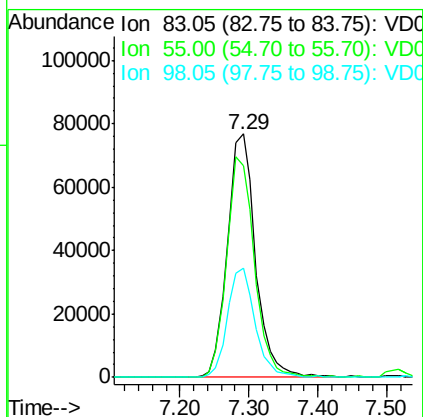
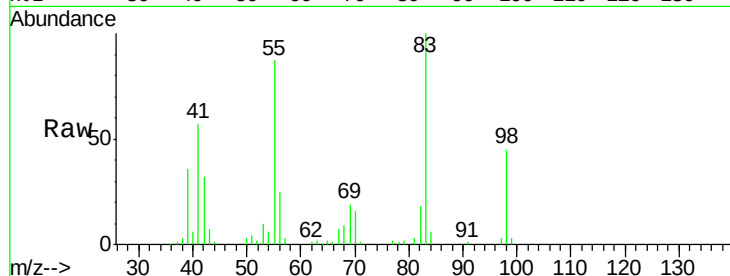




#39
Methylvlcyclohexane
Concen: 22.80 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

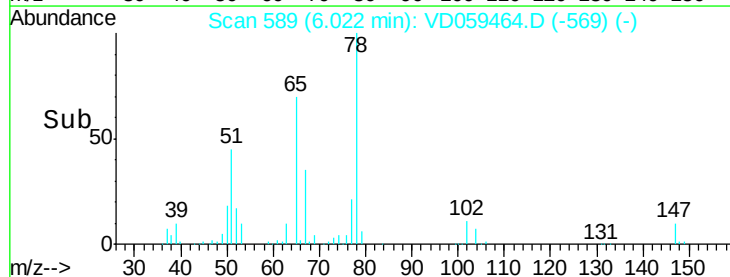
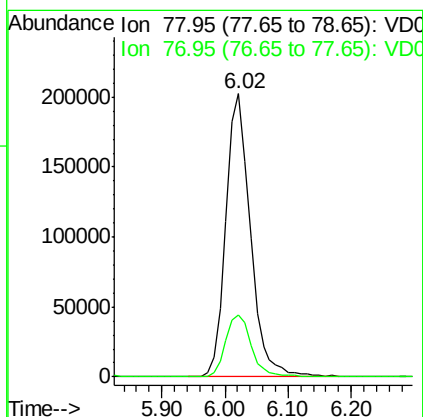
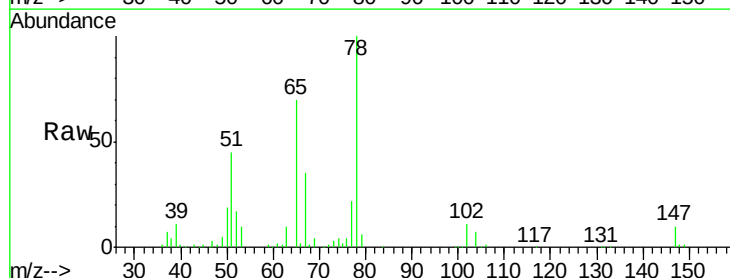
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

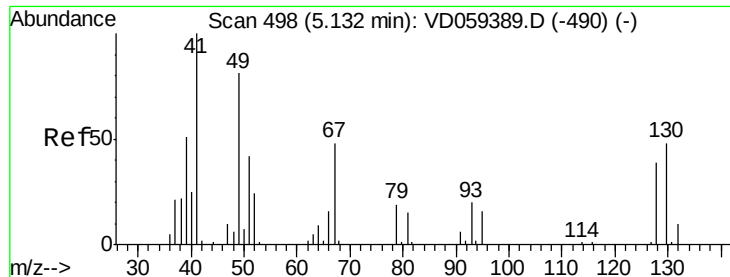
Tot Ion: 83 Resp: 217765
Ion Ratio Lower Upper
83 100
55 86.9 72.6 109.0
98 44.9 35.8 53.6



#40
Benzene
Concen: 22.60 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 78 Resp: 546268
Ion Ratio Lower Upper
78 100
77 21.9 18.1 27.1





#41

Methacrylonitrile

Concen: 19.14 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

Tot Ion: 41 Resp: 56533

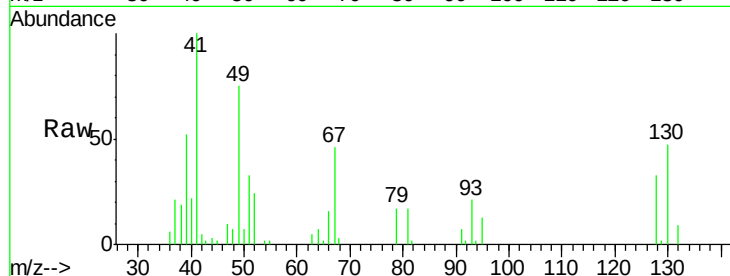
Ion Ratio Lower Upper

41 100

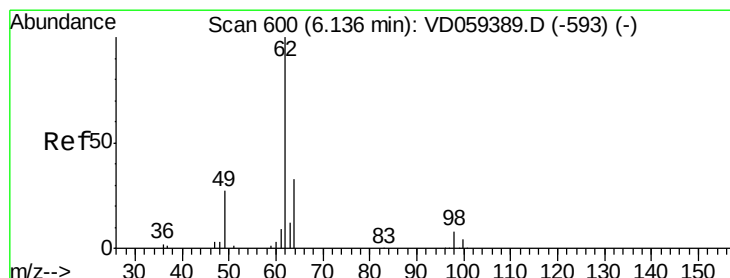
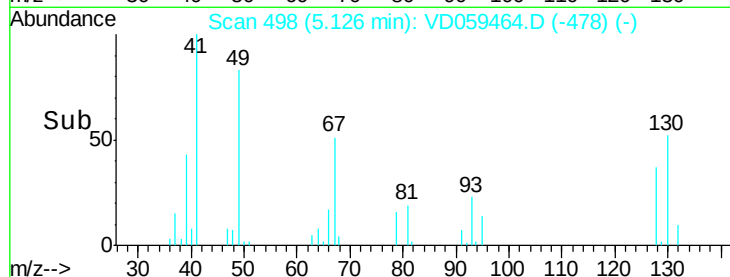
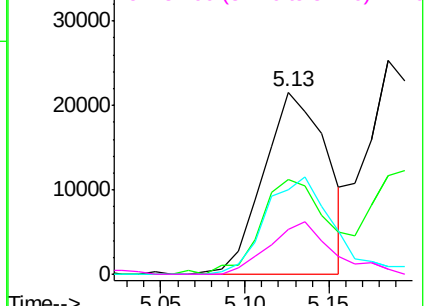
39 52.1 41.5 62.3

67 46.4 38.7 58.1

52 24.4 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: 20.08 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059464.D

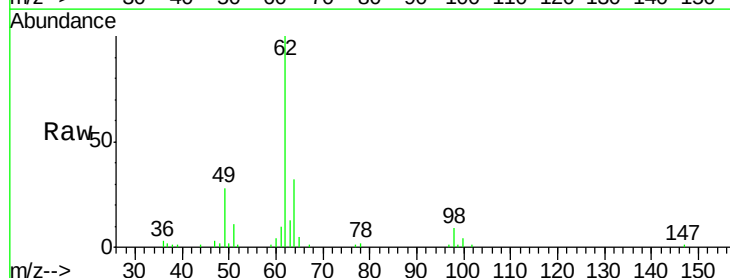
Acq: 28 Jun 2018 15:55

Tgt Ion: 62 Resp: 214407

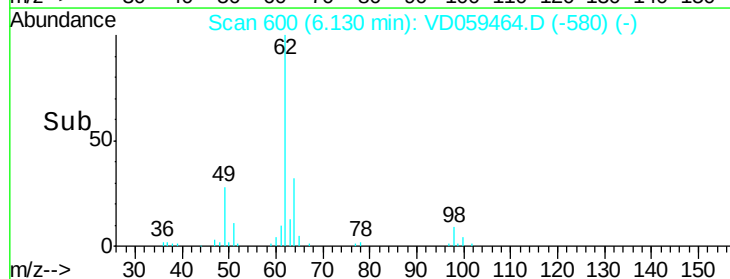
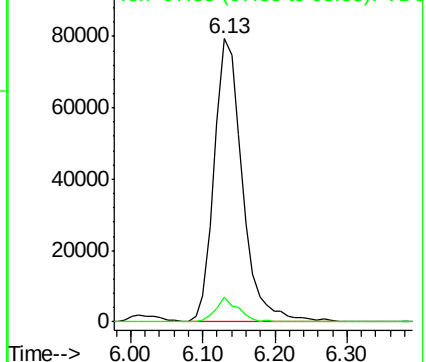
Ion Ratio Lower Upper

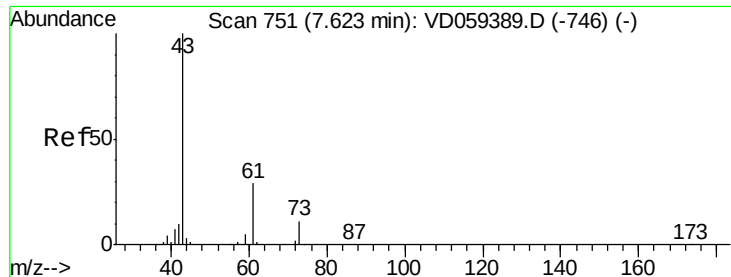
62 100

98 8.7 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: 19.41 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

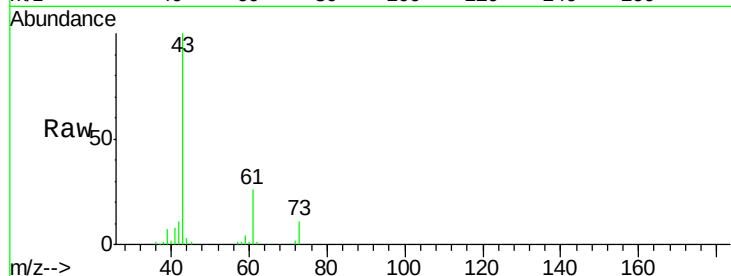
Tot Ion: 43 Resp: 149497

Ion Ratio Lower Upper

43 100

61 25.9 23.1 34.7

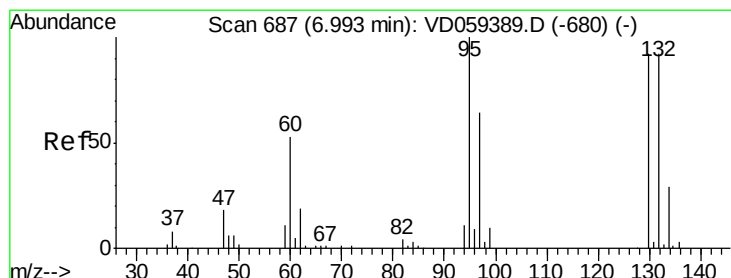
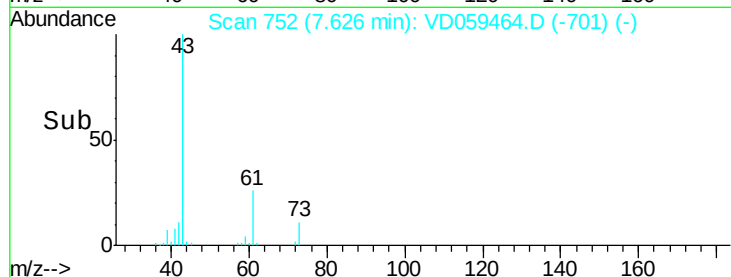
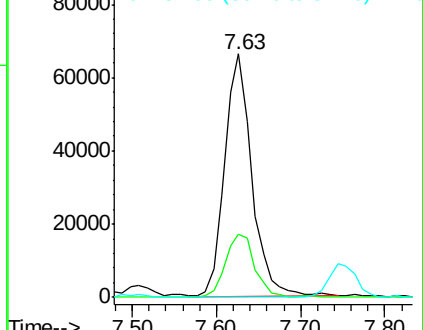
87 0.0 0.2 0.4#



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: 21.15 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: VD059464.D

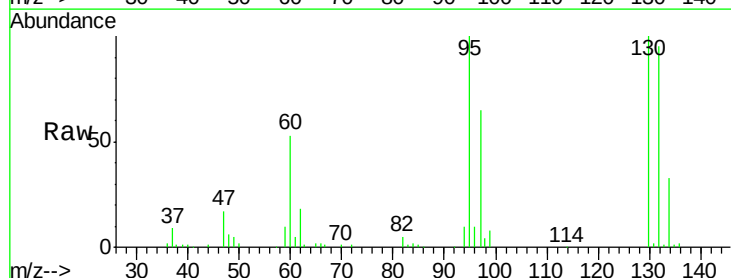
Acq: 28 Jun 2018 15:55

Tgt Ion:130 Resp: 167352

Ion Ratio Lower Upper

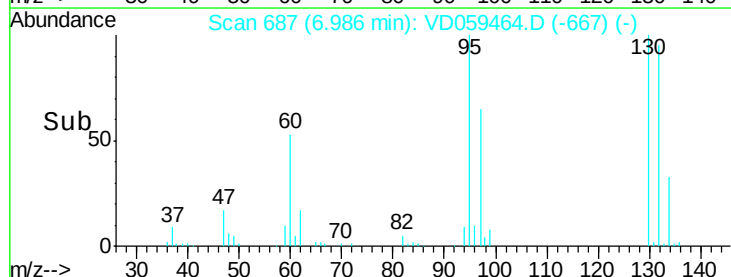
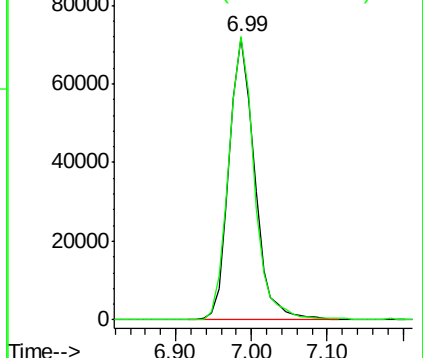
130 100

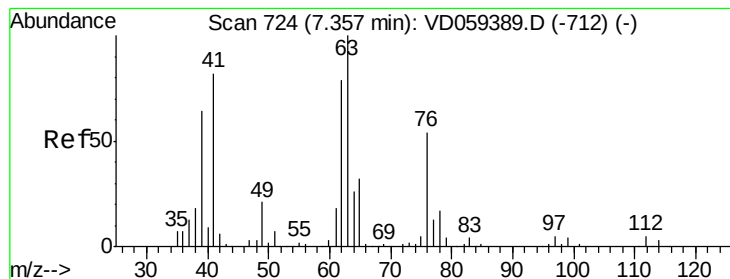
95 100.1 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.47 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

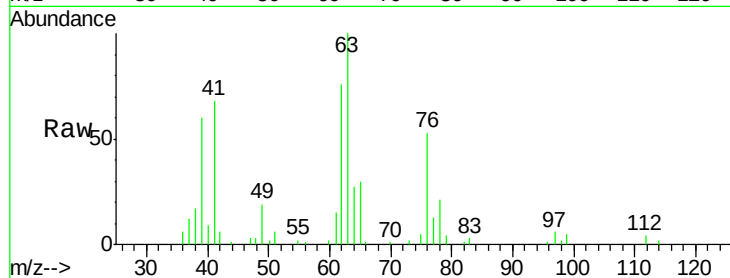
VD0628SBSD01

Tot Ion: 63 Resp: 137000

Ion Ratio Lower Upper

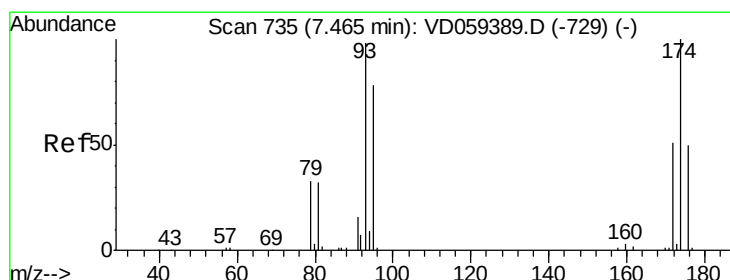
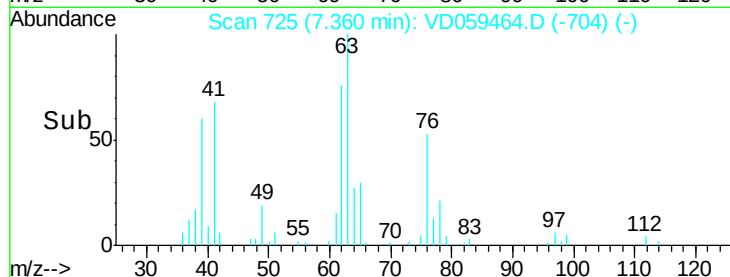
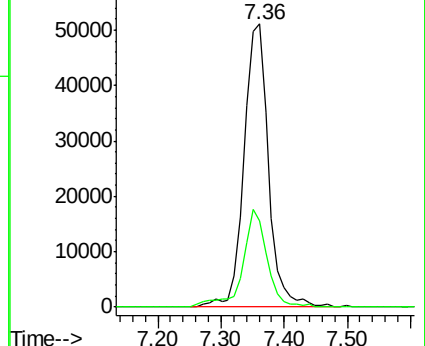
63 100

65 30.4 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: 20.92 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

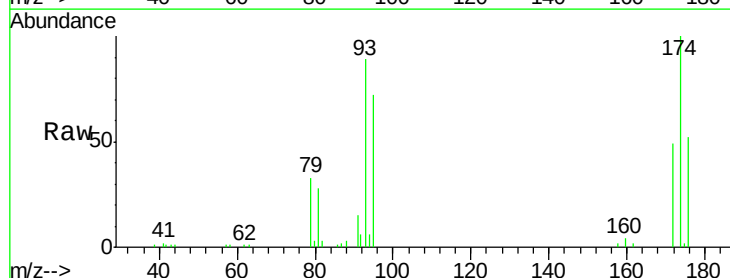
Tgt Ion: 93 Resp: 100685

Ion Ratio Lower Upper

93 100

95 81.3 63.4 95.0

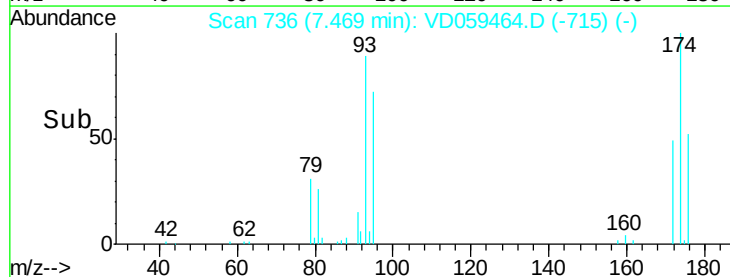
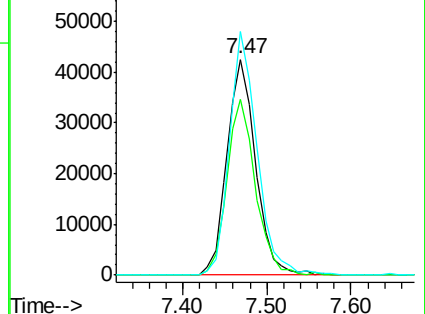
174 112.9 81.4 122.2

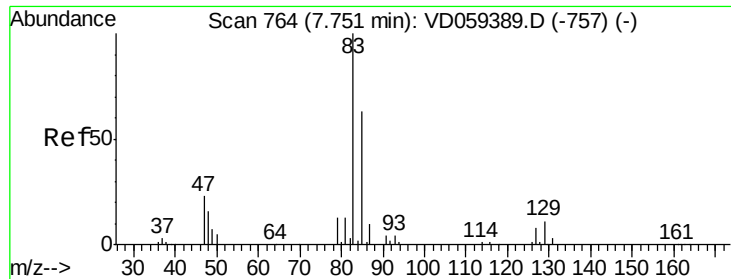


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.06 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

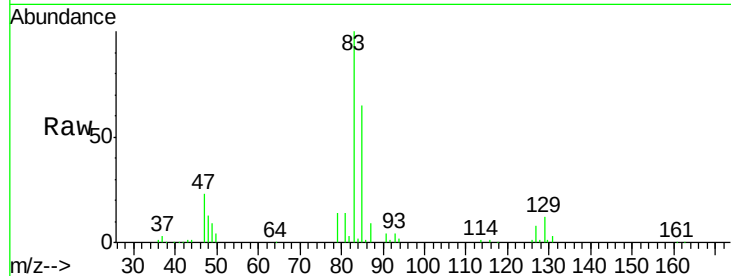
Tot Ion: 83 Resp: 216050

Ion Ratio Lower Upper

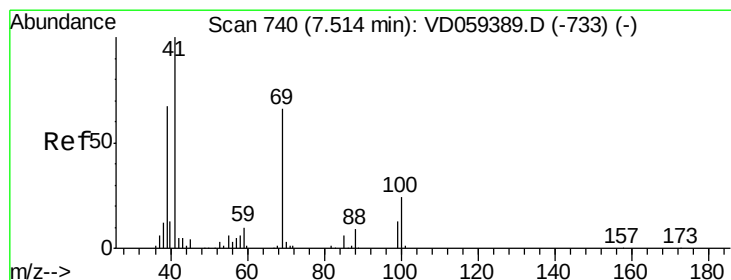
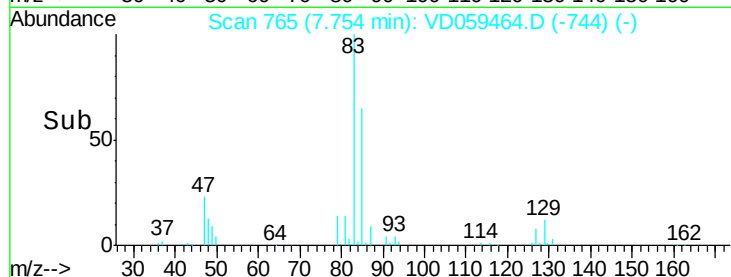
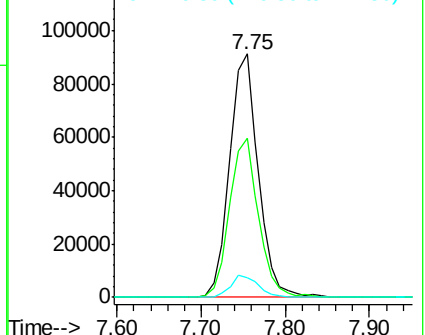
83 100

85 65.4 50.1 75.1

127 8.1 6.1 9.1



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



#48

Methyl methacrylate

Concen: 18.81 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

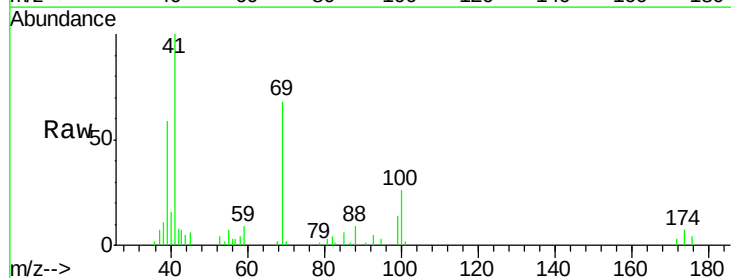
Tgt Ion: 41 Resp: 88245

Ion Ratio Lower Upper

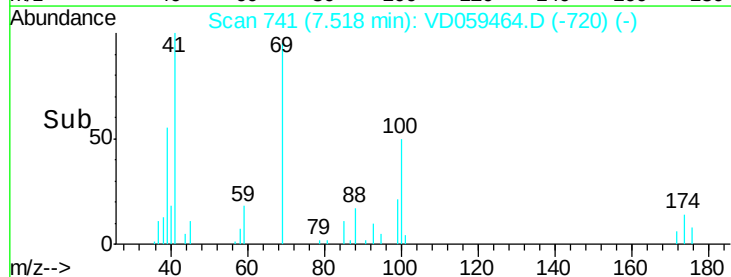
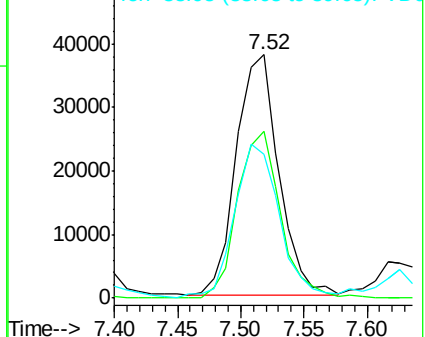
41 100

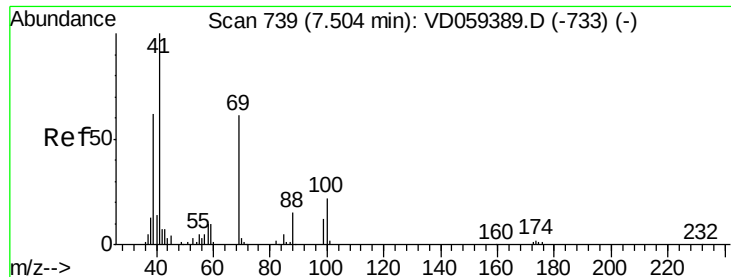
69 68.3 52.6 79.0

39 59.2 53.6 80.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 369.15 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

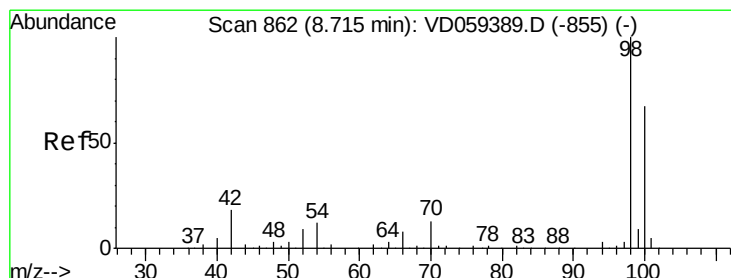
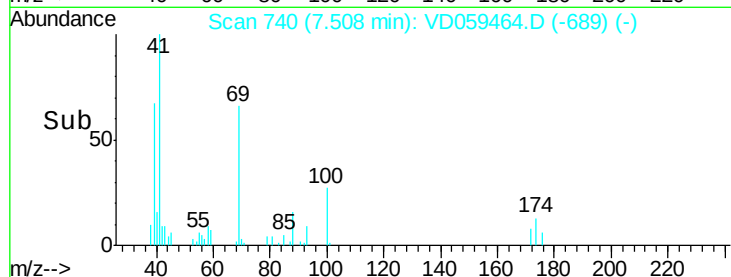
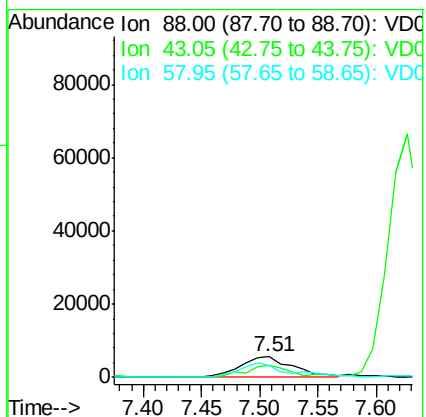
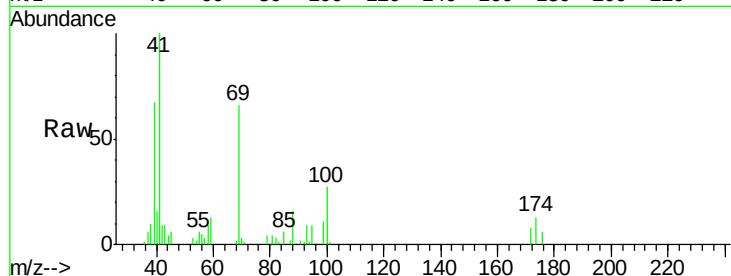
Tot Ion: 88 Resp: 17372

Ion Ratio Lower Upper

88 100

43 55.2 41.0 61.4

58 56.5 53.4 80.0



#50

Toluene-d8

Concen: 369.15 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059464.D

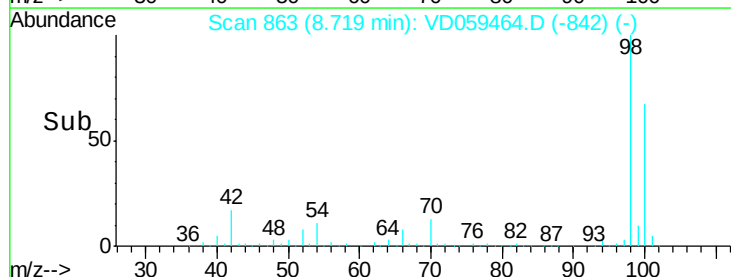
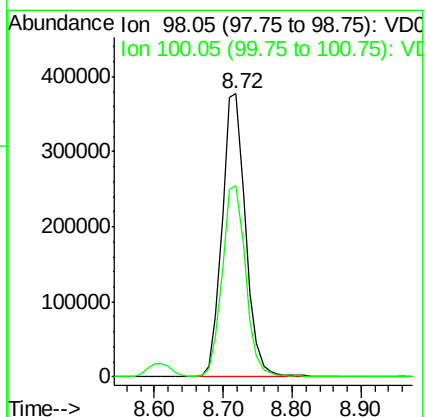
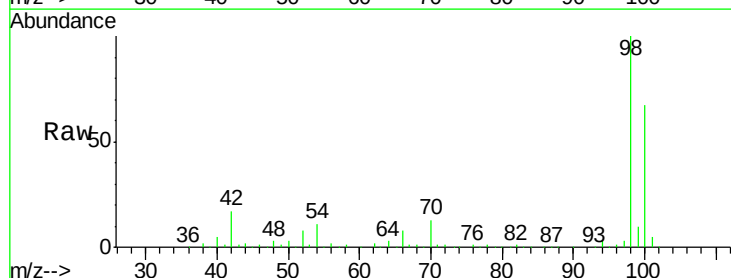
Acq: 28 Jun 2018 15:55

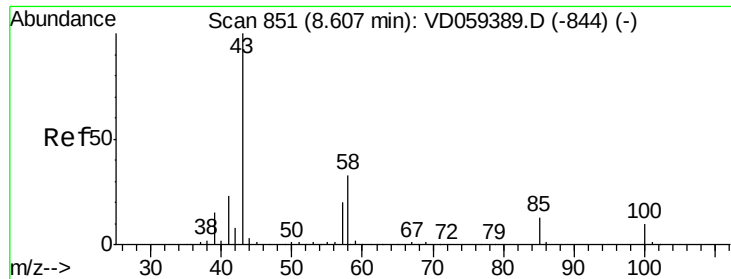
Tgt Ion: 98 Resp: 889018

Ion Ratio Lower Upper

98 100

100 67.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 91.02 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

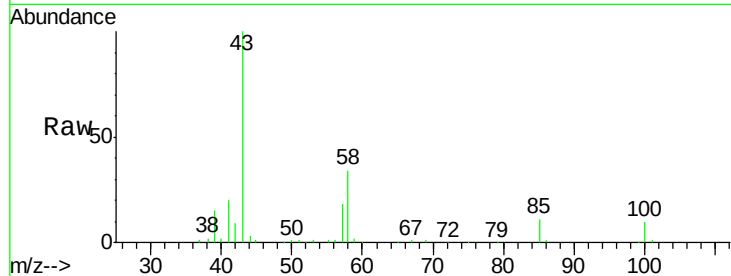
VD0628SBSD01

Tot Ion: 43 Resp: 467129

Ion Ratio Lower Upper

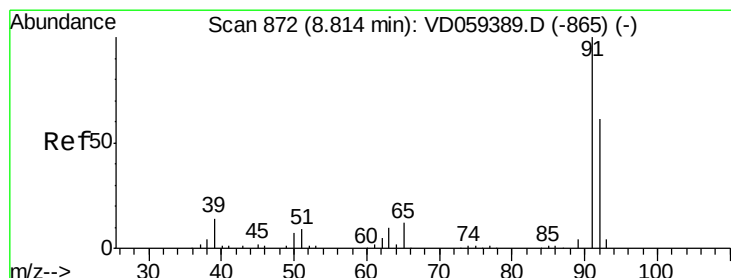
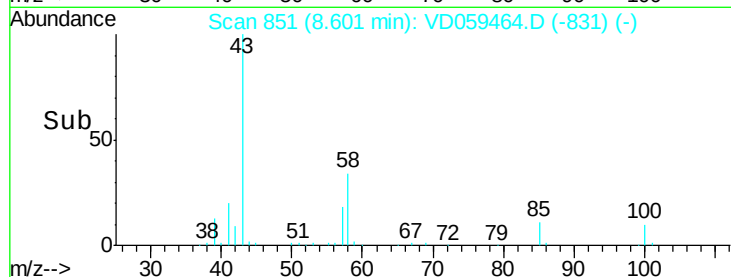
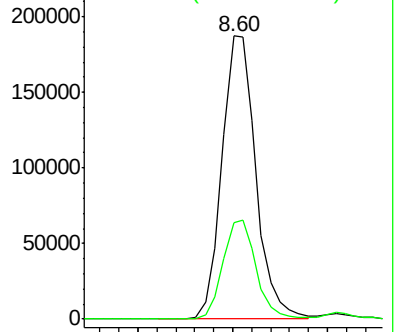
43 100

58 33.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.38 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.01 min

Lab File: VD059464.D

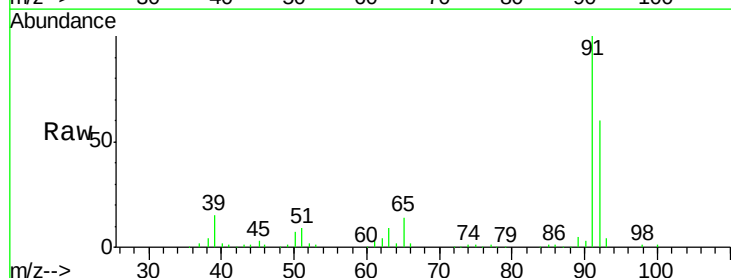
Acq: 28 Jun 2018 15:55

Tgt Ion: 92 Resp: 308545

Ion Ratio Lower Upper

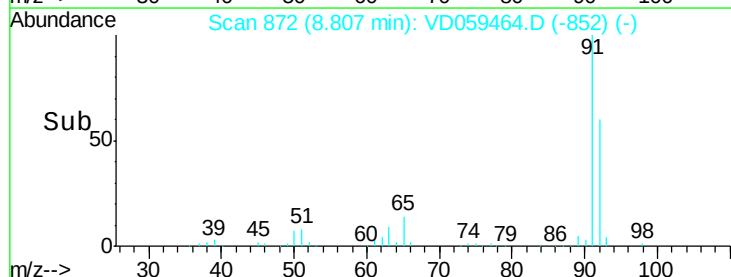
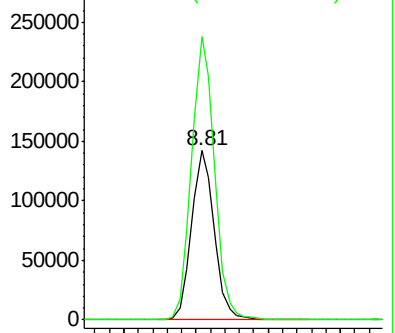
92 100

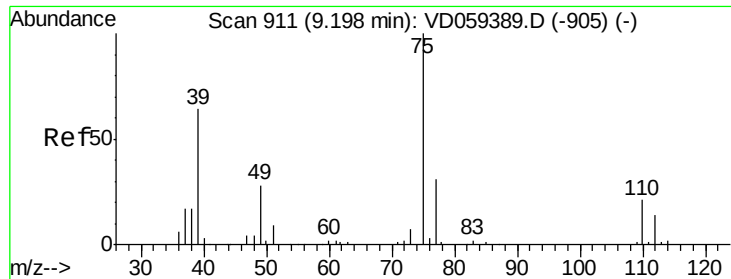
91 167.3 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

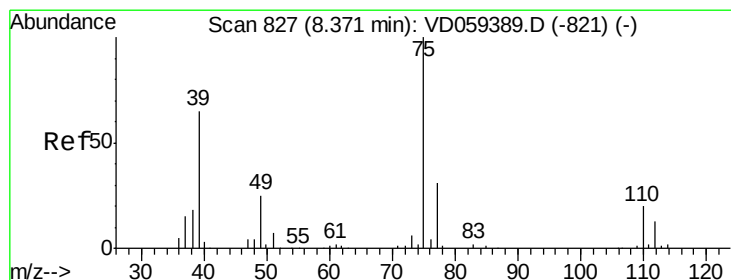
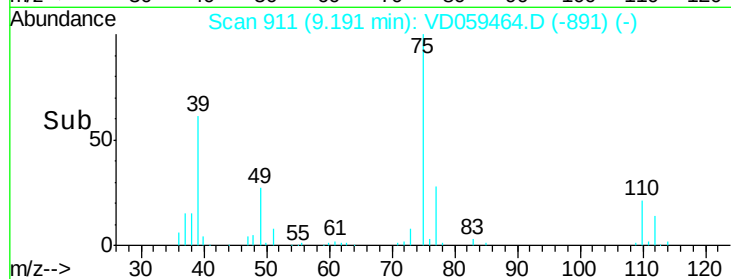
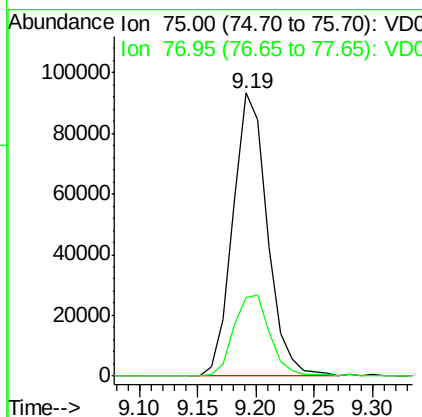
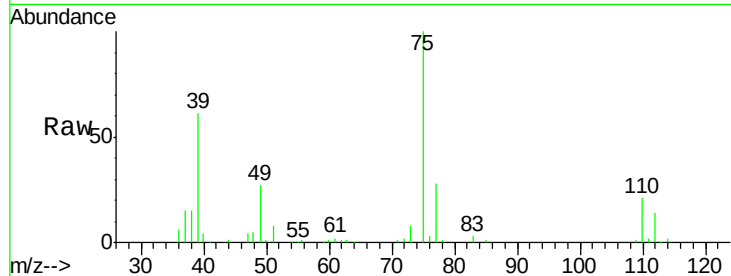




#53
 t-1,3-Dichloropropene
 Concen: 21.31 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

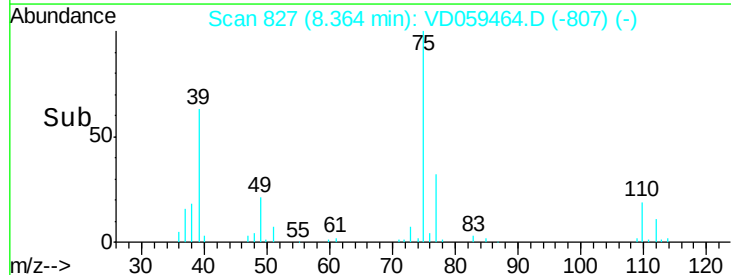
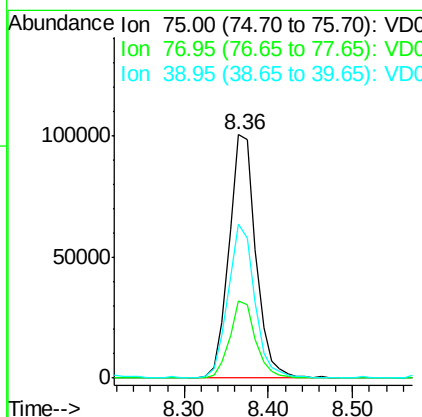
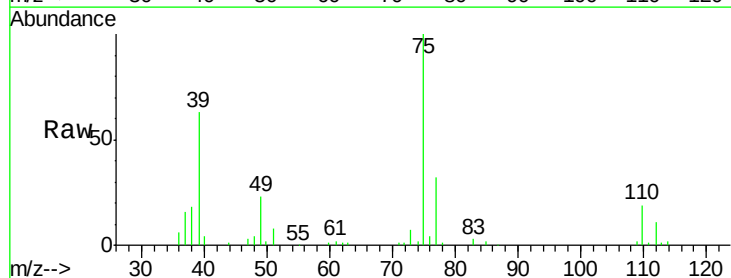
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

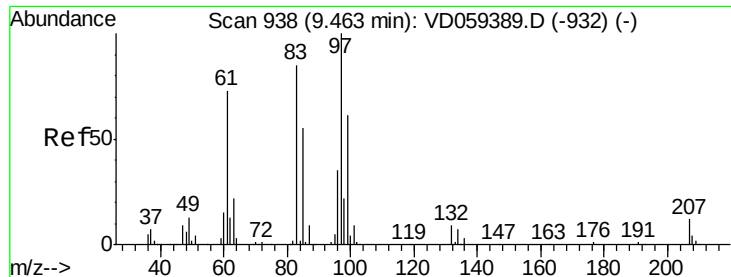
Tot Ion: 75 Resp: 191769
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.33 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 75 Resp: 222309
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.7 37.1
 39 63.3 52.2 78.4

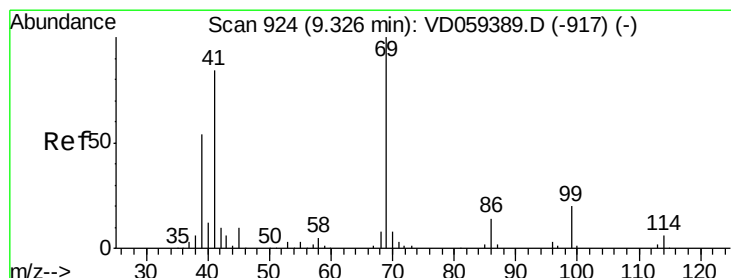
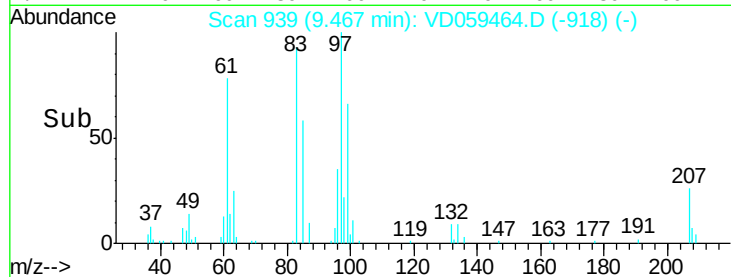
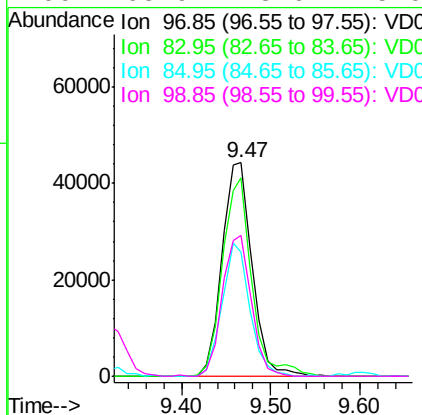
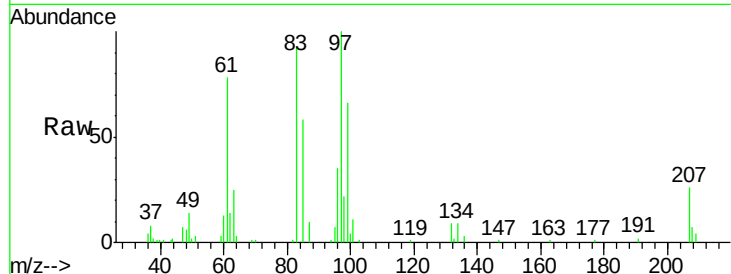




#55
 1,1,2-Trichloroethane
 Concen: 20.08 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

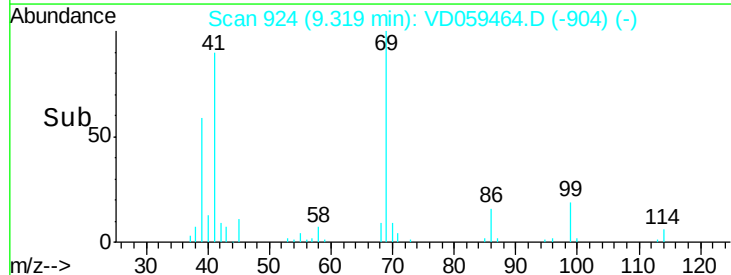
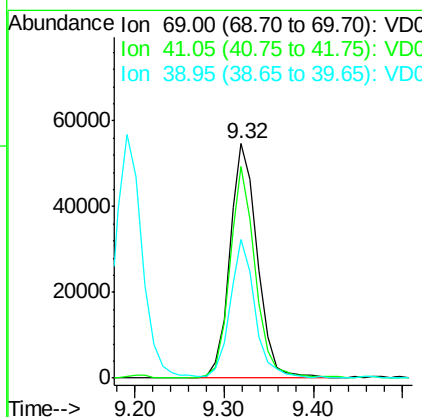
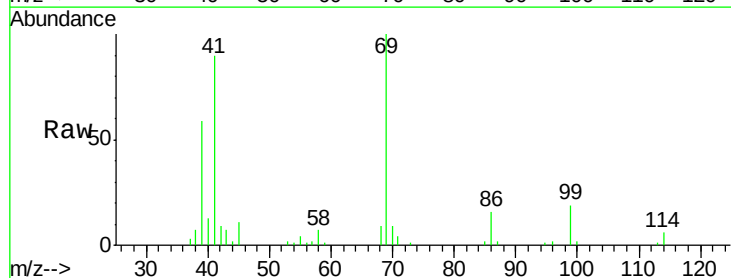
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

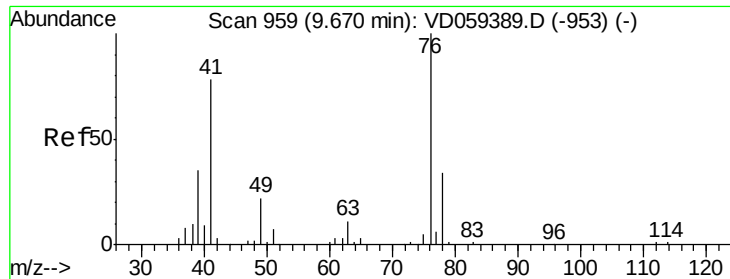
Tot Ion: 97 Resp: 105199
 Ion Ratio Lower Upper
 97 100
 83 92.8 67.7 101.5
 85 58.0 44.3 66.5
 99 65.9 48.6 73.0



#56
 Ethyl methacrylate
 Concen: 19.75 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 69 Resp: 118115
 Ion Ratio Lower Upper
 69 100
 41 90.1 67.4 101.0
 39 59.3 43.7 65.5

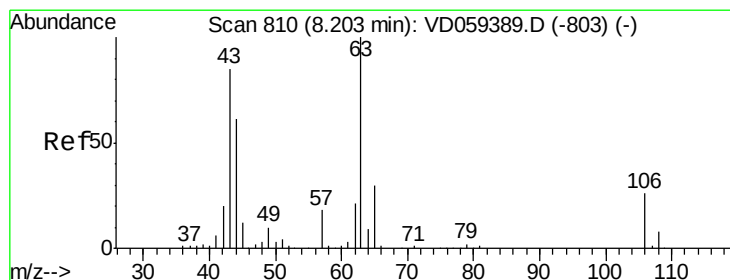
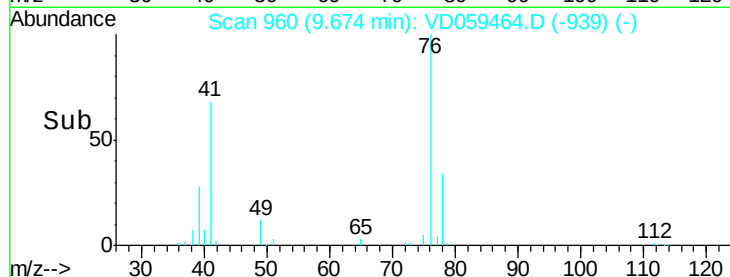
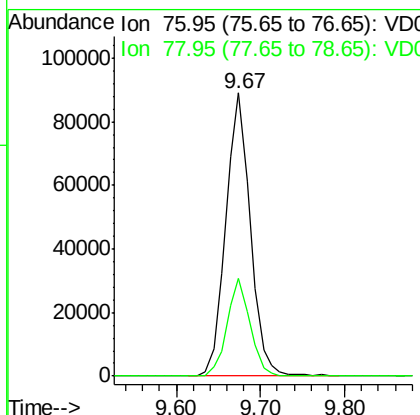
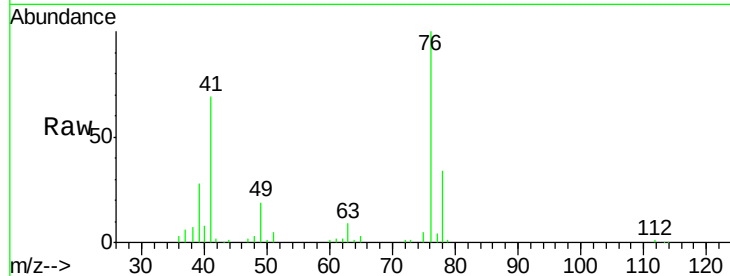




#57
 1,3-Dichloropropane
 Concen: 20.96 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

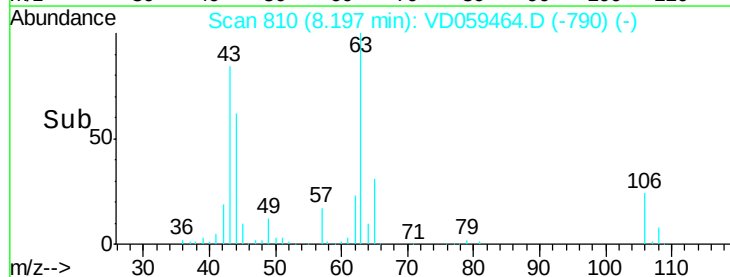
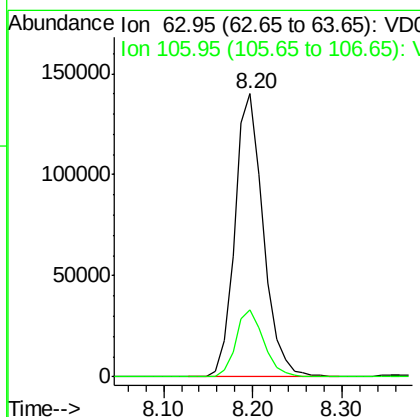
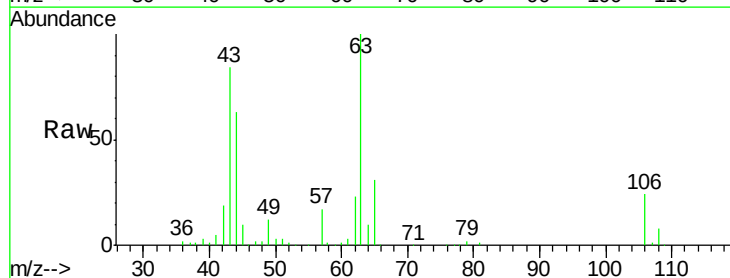
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

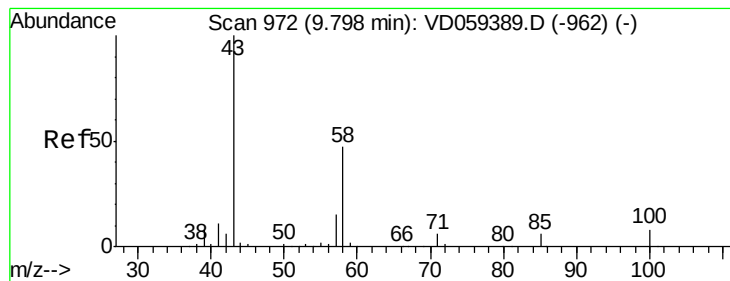
Tot Ion: 76 Resp: 179611
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.17 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 63 Resp: 311422
 Ion Ratio Lower Upper
 63 100
 106 23.6 20.6 31.0





#59

2-Hexanone

Concen: 103.77 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

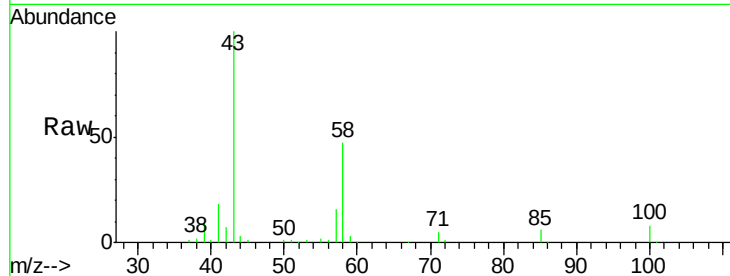
VD0628SBSD01

Tot Ion: 43 Resp: 378514

Ion Ratio Lower Upper

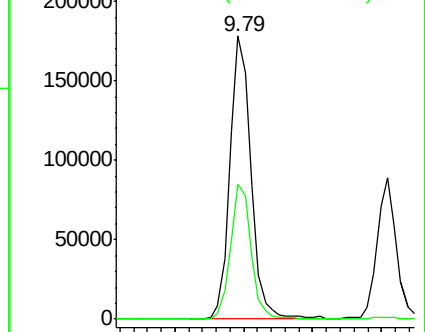
43 100

58 47.5 23.3 69.9

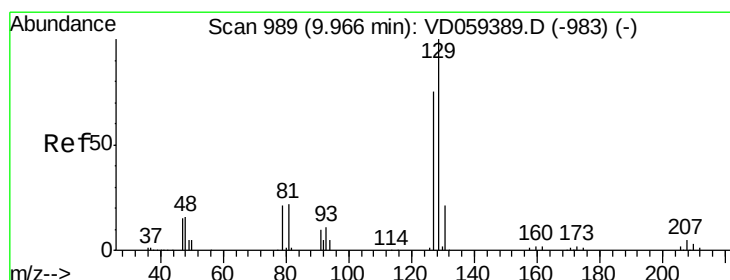
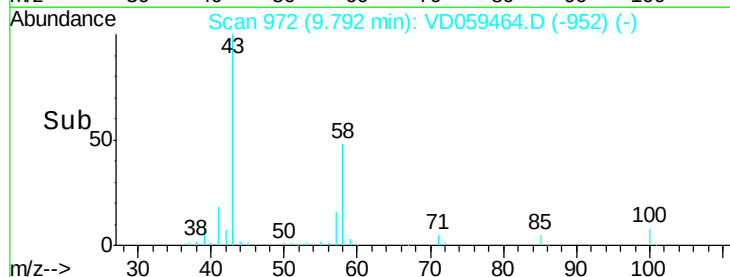


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#60

Dibromochloromethane

Concen: 19.10 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD059464.D

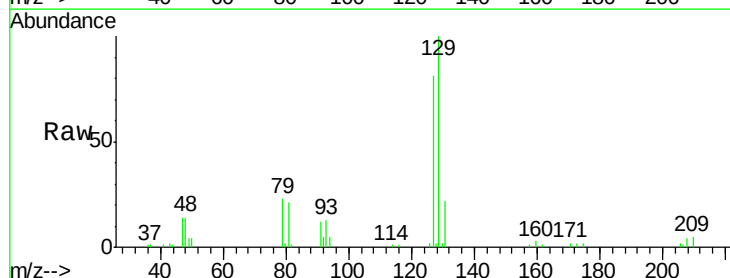
Acq: 28 Jun 2018 15:55

Tgt Ion:129 Resp: 140132

Ion Ratio Lower Upper

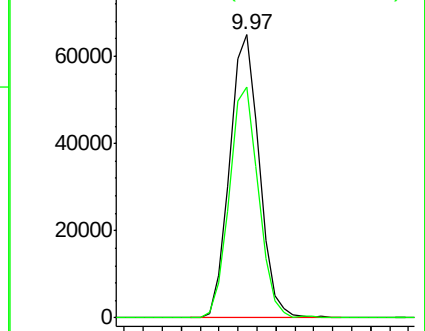
129 100

127 81.4 37.3 111.8

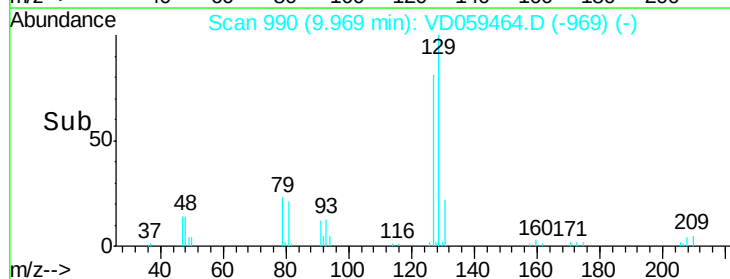


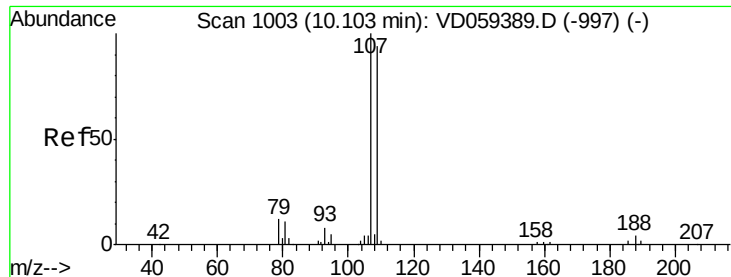
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->

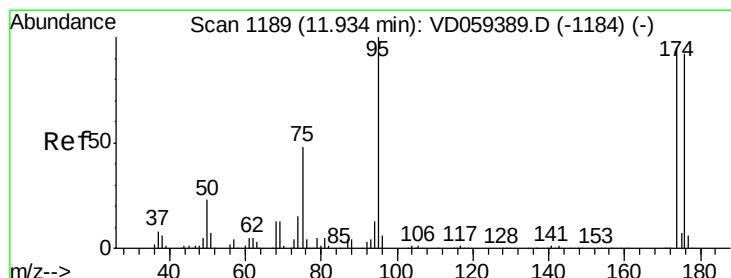
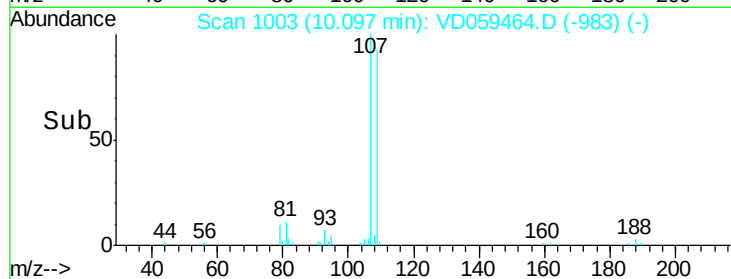
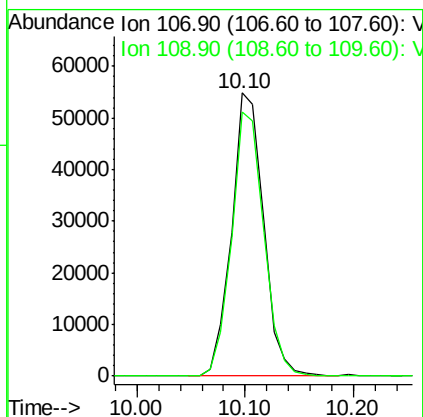
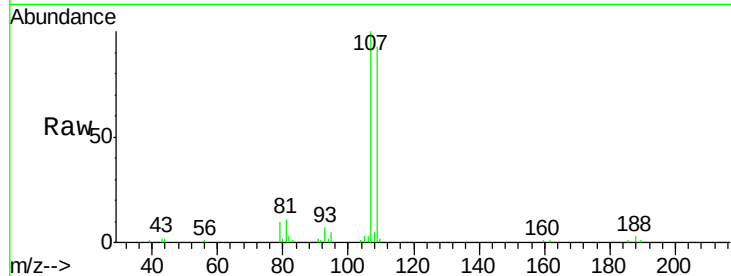




#61
 1,2-Dibromoethane
 Concen: 19.26 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

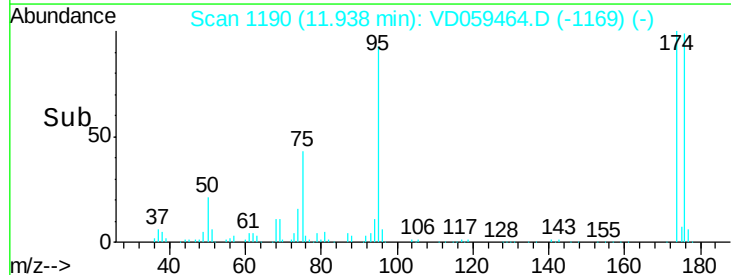
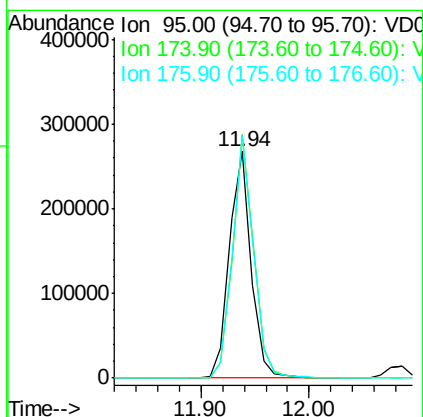
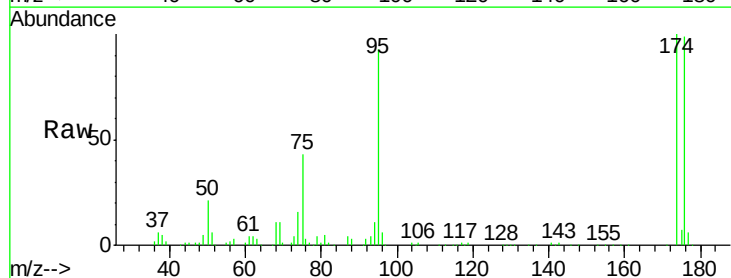
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

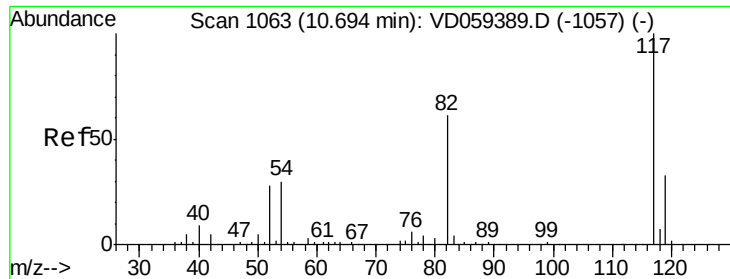
Tot Ion:107 Resp: 112409
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.26 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 95 Resp: 376770
 Ion Ratio Lower Upper
 95 100
 174 107.6 0.0 190.4
 176 106.8 0.0 183.2

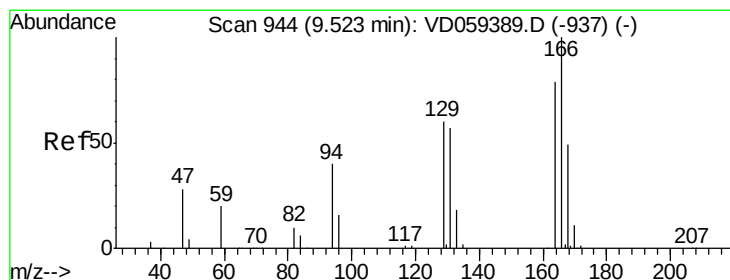
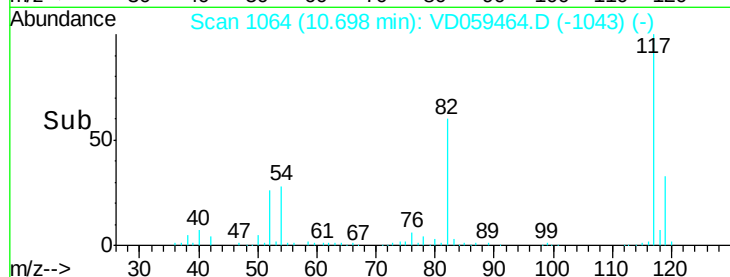
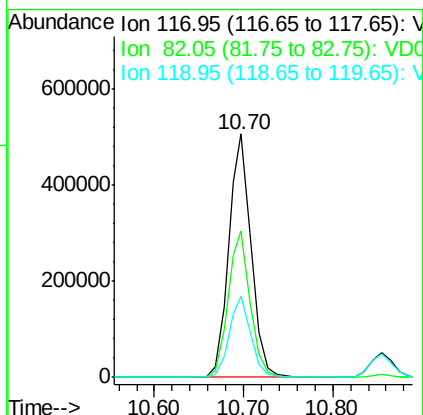
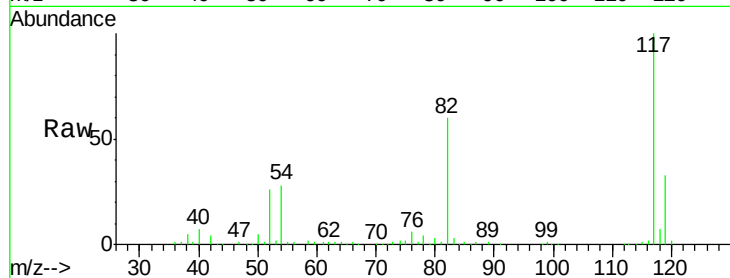




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

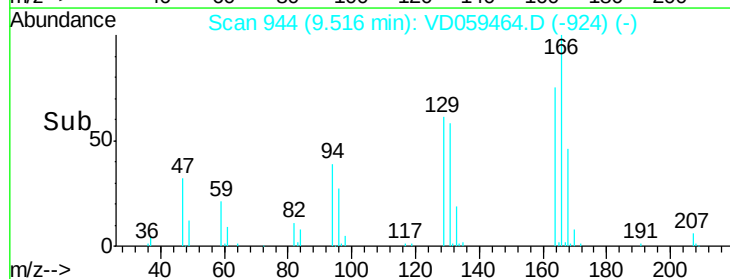
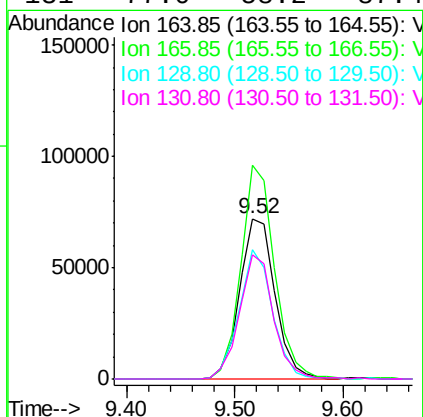
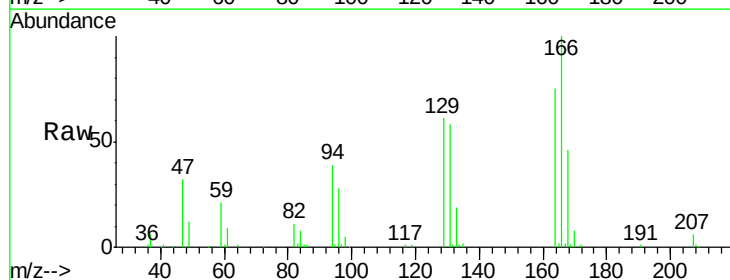
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

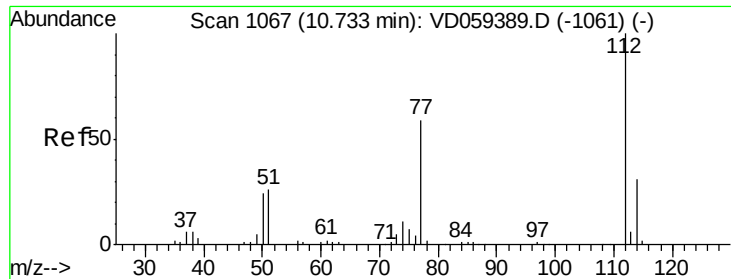
Tot Ion:117 Resp: 896779
Ion Ratio Lower Upper
117 100
82 59.9 49.0 73.6
119 33.2 26.2 39.4



#64
Tetrachloroethene
Concen: 20.75 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion:164 Resp: 163273
Ion Ratio Lower Upper
164 100
166 133.0 101.4 152.2
129 80.5 60.9 91.3
131 77.0 58.2 87.4

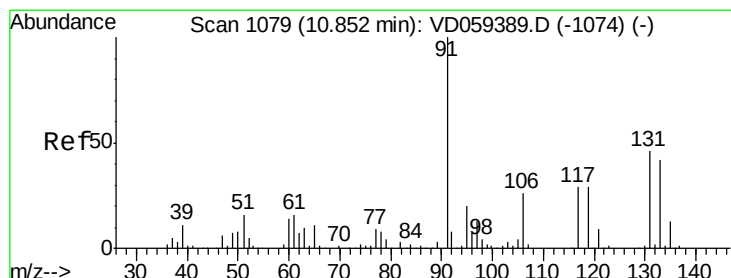
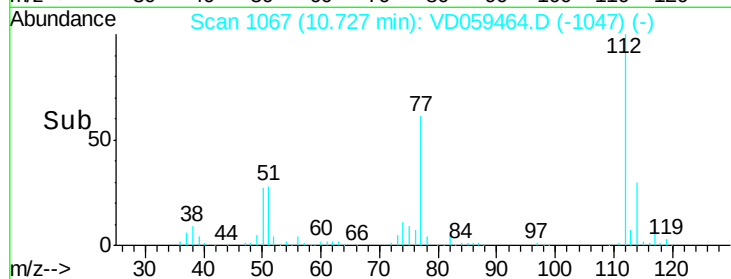
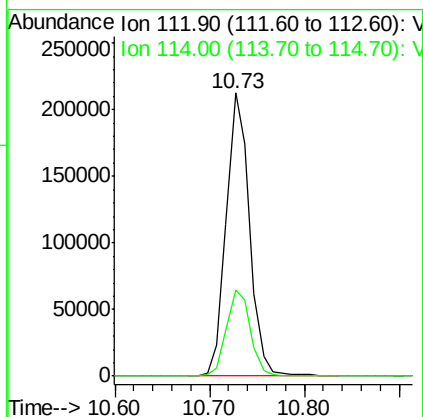
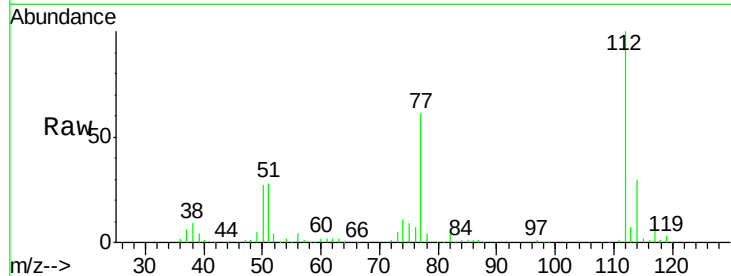




#65
Chlorobenzene
Concen: 22.07 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

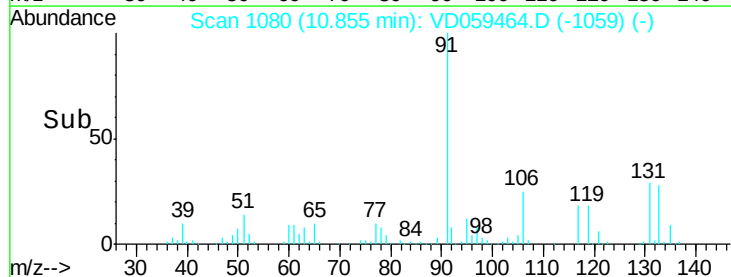
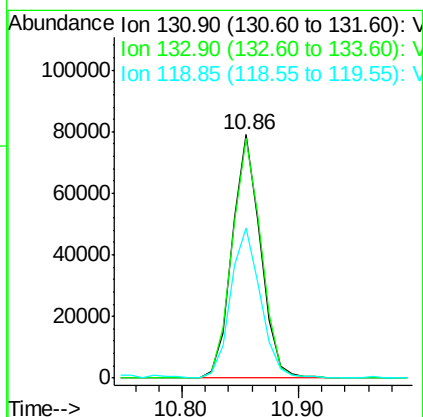
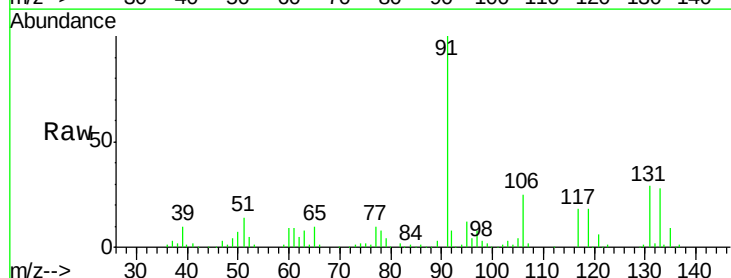
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

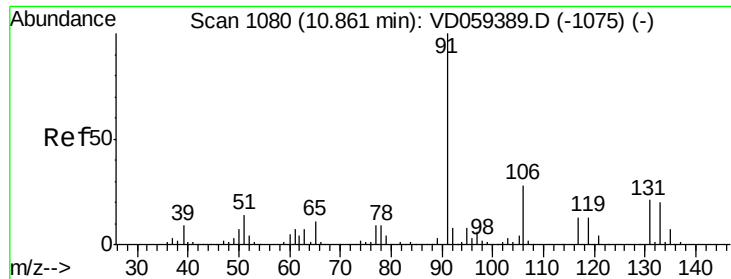
Tot Ion:112 Resp: 361911
Ion Ratio Lower Upper
112 100
114 30.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion:131 Resp: 132791
Ion Ratio Lower Upper
131 100
133 98.4 45.7 137.1
119 61.6 32.3 96.9

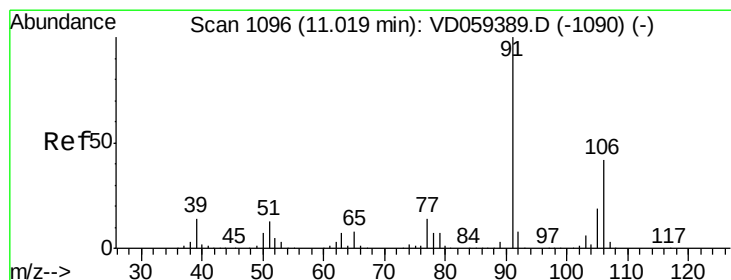
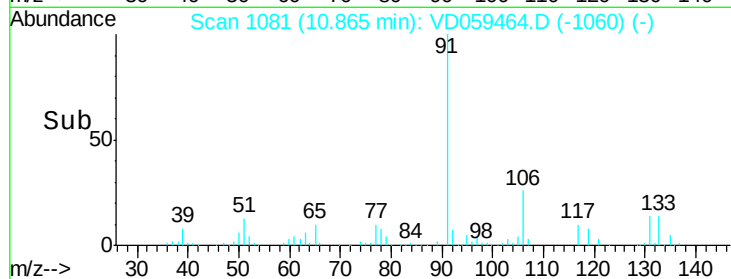
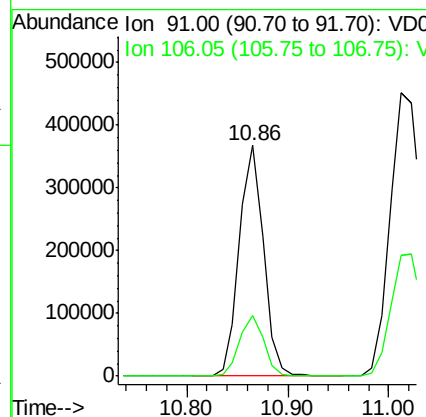
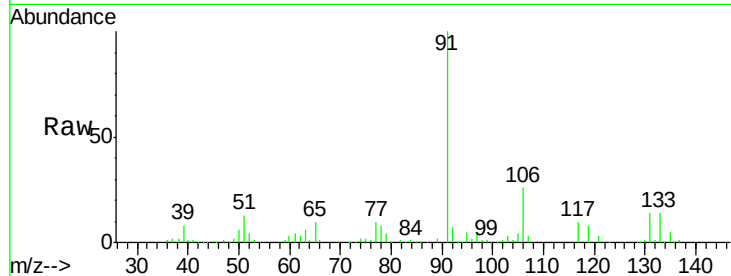




#67
Ethyl Benzene
Concen: 22.26 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

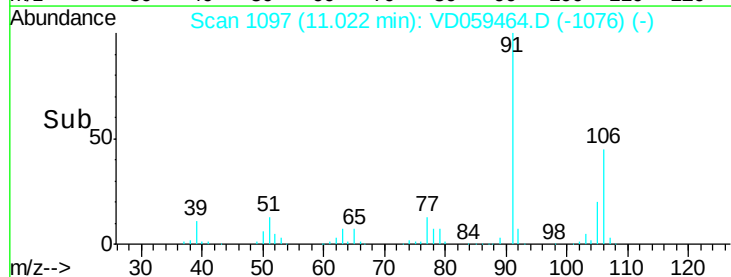
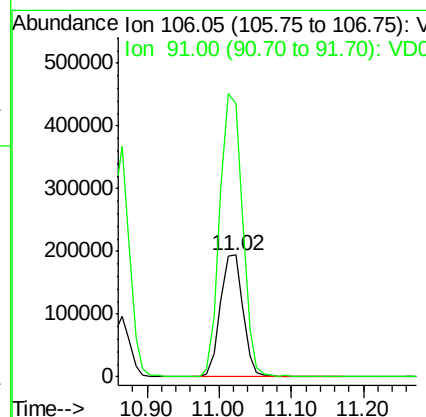
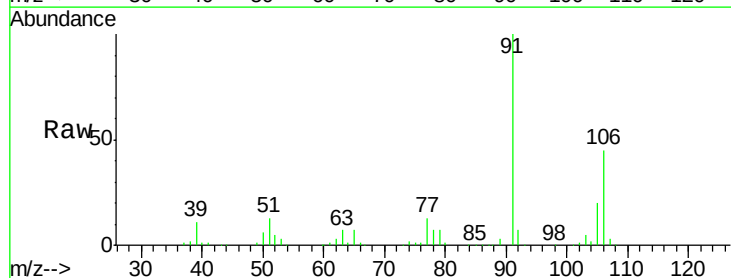
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

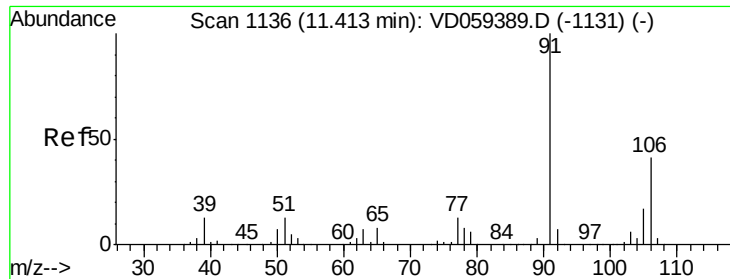
Tot Ion: 91 Resp: 615797
Ion Ratio Lower Upper
91 100
106 26.4 22.3 33.5



#68
m/p-Xylenes
Concen: 45.73 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion: 106 Resp: 419776
Ion Ratio Lower Upper
106 100
91 224.4 191.0 286.6

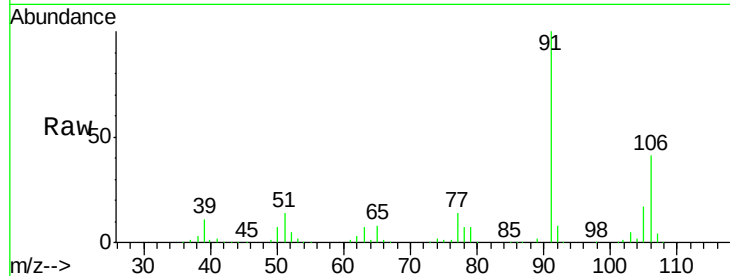




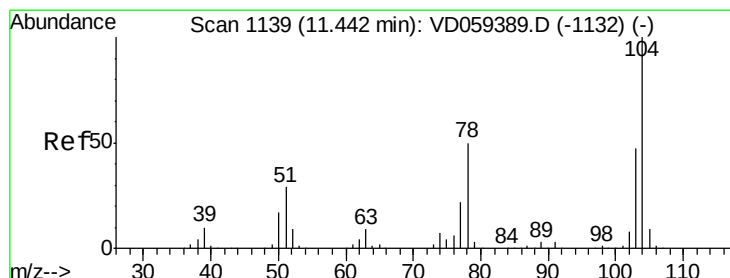
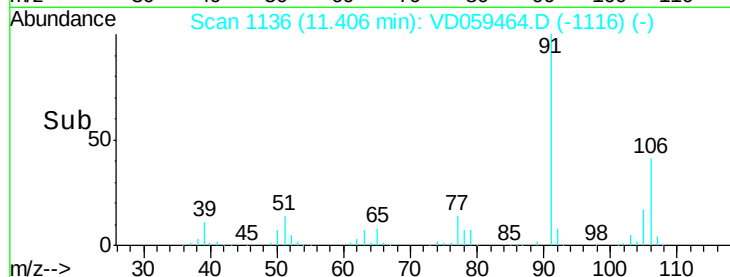
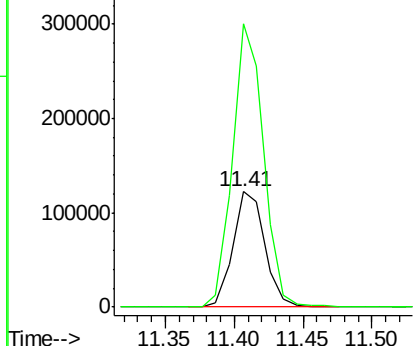
#69
o-Xylene
Concen: 21.68 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion:106 Resp: 196726
Ion Ratio Lower Upper
106 100
91 245.8 121.0 362.8

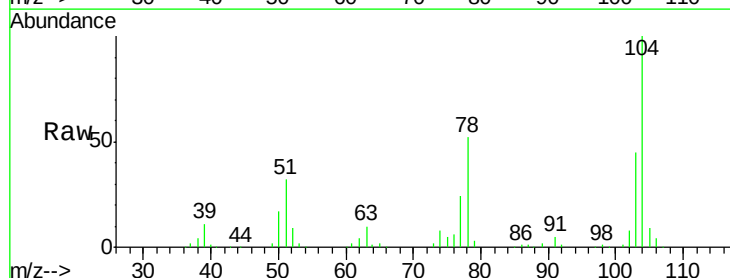


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

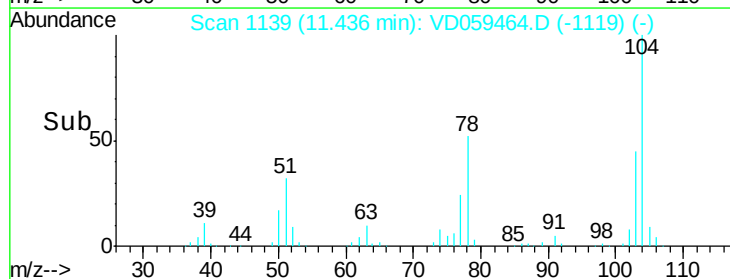
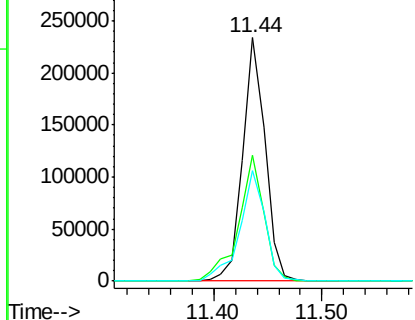


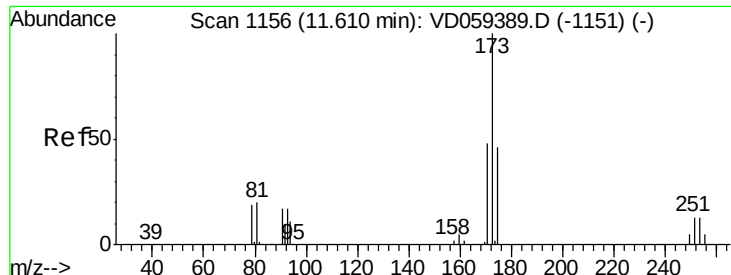
#70
Styrene
Concen: 21.73 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion:104 Resp: 338134
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.4
103 45.4 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

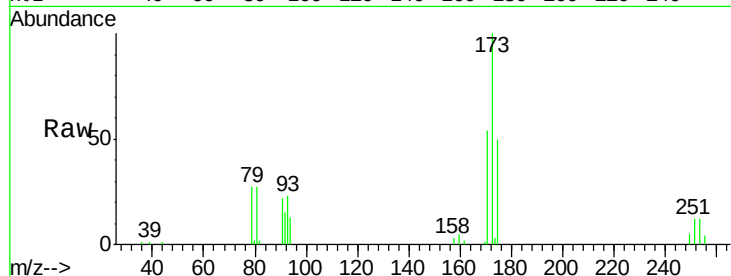




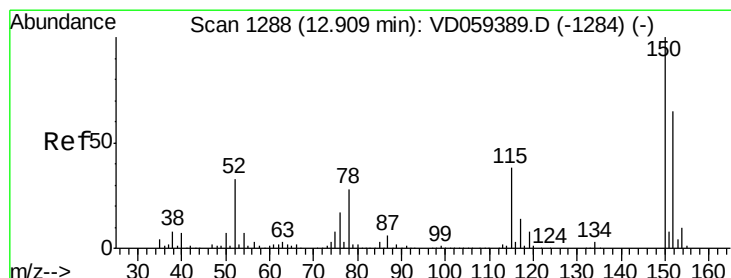
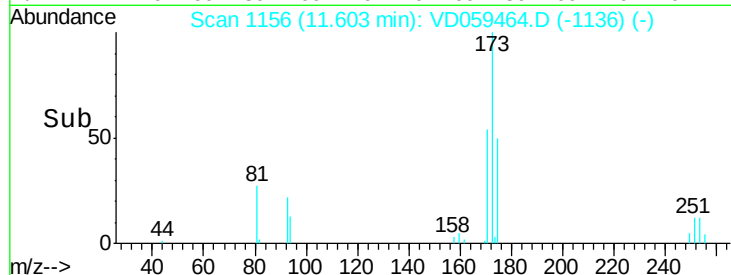
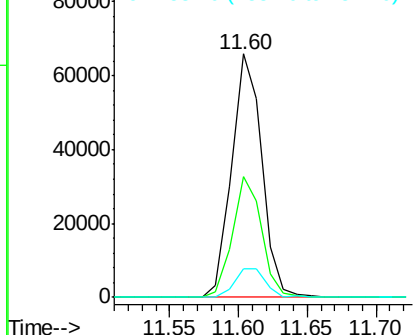
#71
Bromoform
Concen: 19.26 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion:173 Resp: 100409
Ion Ratio Lower Upper
173 100
175 49.7 22.8 68.4
254 11.6 10.1 15.1

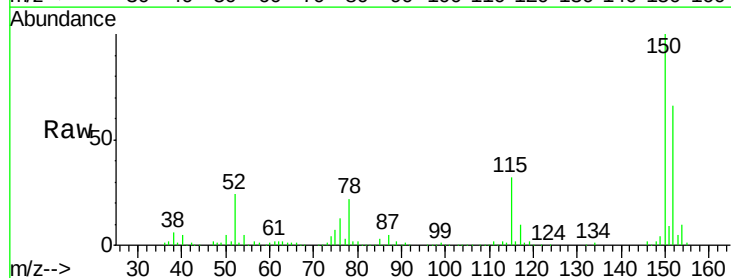


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

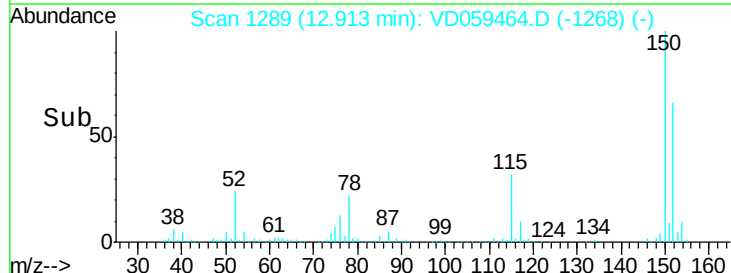
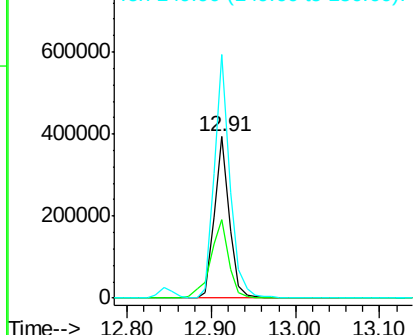


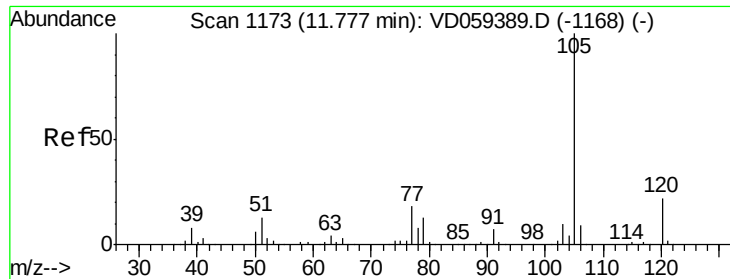
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059464.D
Acq: 28 Jun 2018 15:55

Tgt Ion:152 Resp: 481471
Ion Ratio Lower Upper
152 100
115 48.4 29.4 88.3
150 151.1 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: 20.51 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

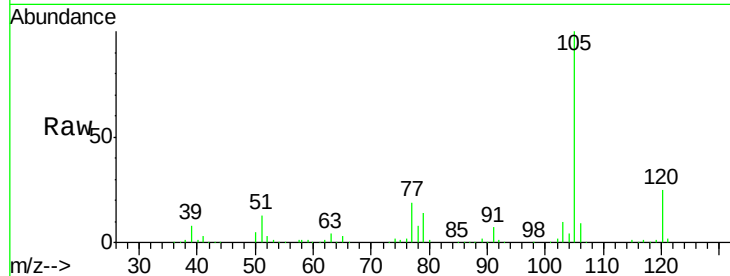
VD0628SBS01

Tot Ion:105 Resp: 557213

Ion Ratio Lower Upper

105 100

120 25.0 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

400000

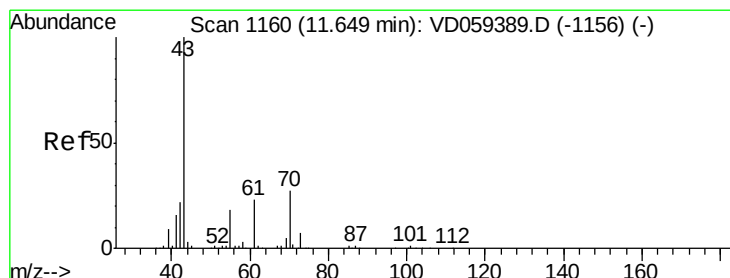
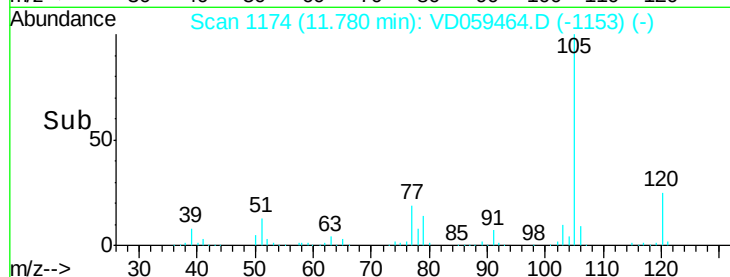
300000

200000

100000

0

Time--> 11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 18.20 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Tgt Ion: 43 Resp: 188092

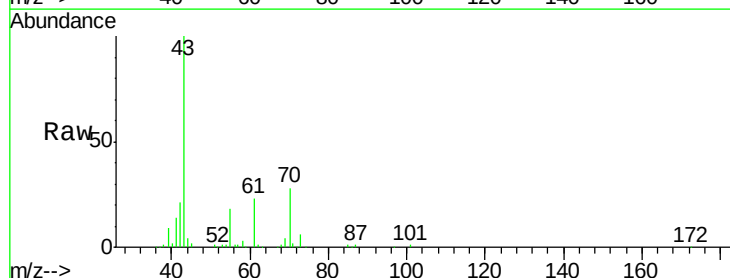
Ion Ratio Lower Upper

43 100

70 28.5 21.7 32.5

55 17.5 14.6 22.0

61 23.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

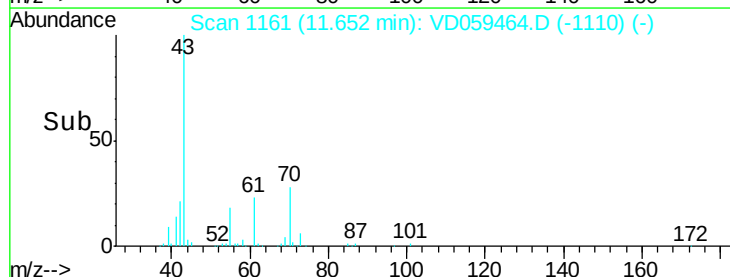
150000

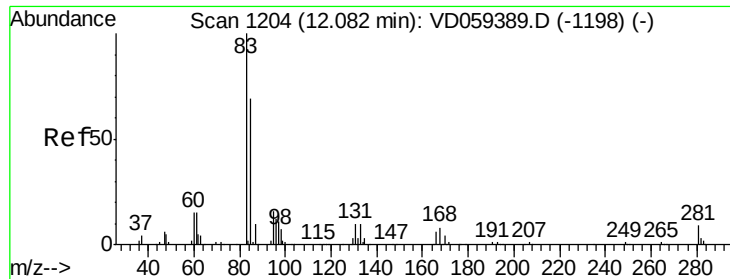
100000

50000

0

Time--> 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 18.93 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

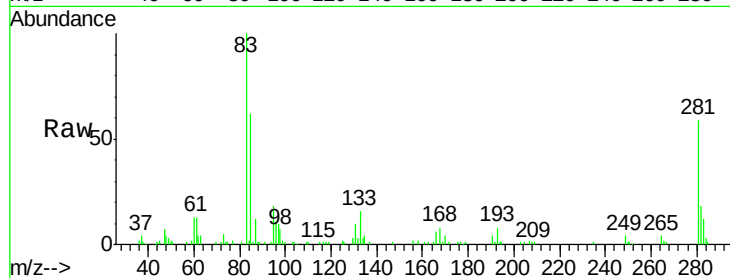
MSVOA_D

ClientSampleId :

VD0628SBS01

Tot Ion: 83 Resp: 120657

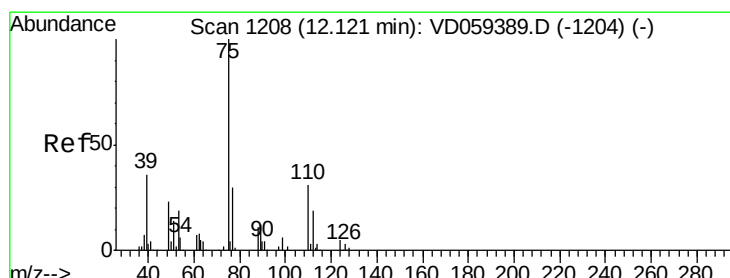
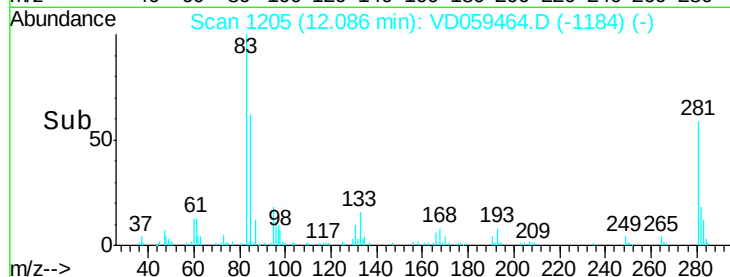
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.6
85	62.0	34.6	103.8



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: 12.12 min Scan# 1208

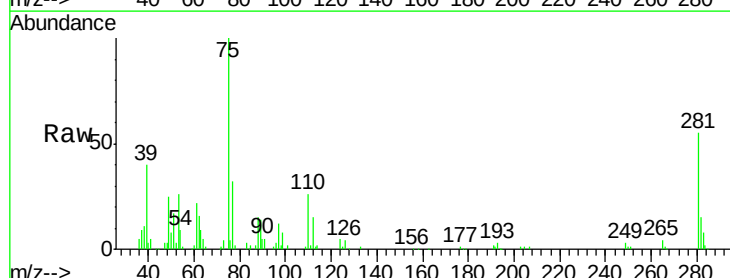
Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

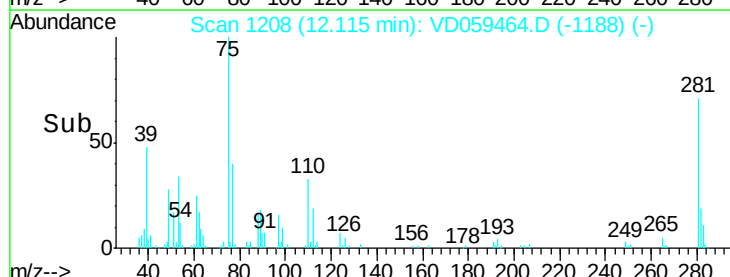
Tgt Ion: 75 Resp: 138156

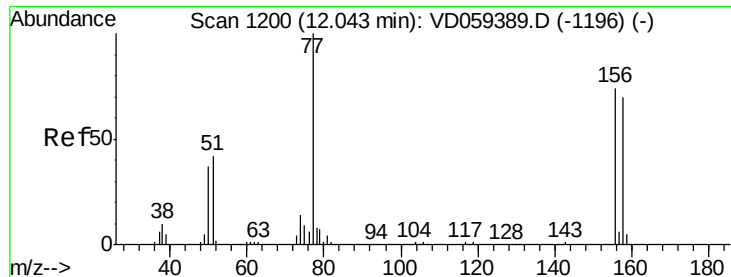
Ion	Ratio	Lower	Upper
75	100		
77	31.5	15.6	46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.41 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

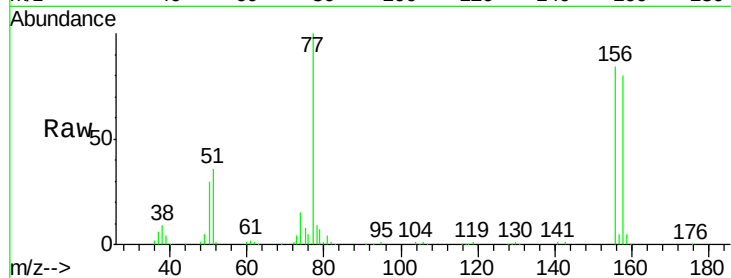
Tot Ion:156 Resp: 183078

Ion Ratio Lower Upper

156 100

77 119.3 68.0 203.8

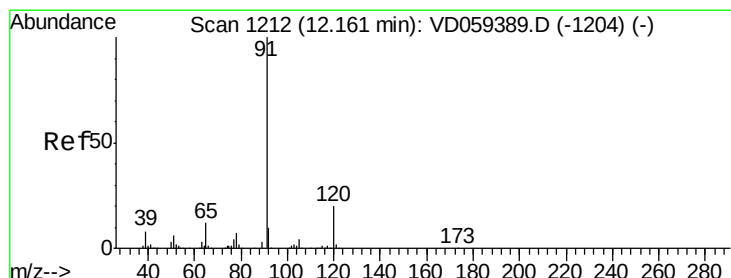
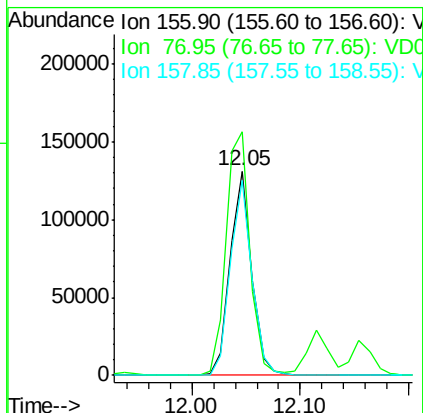
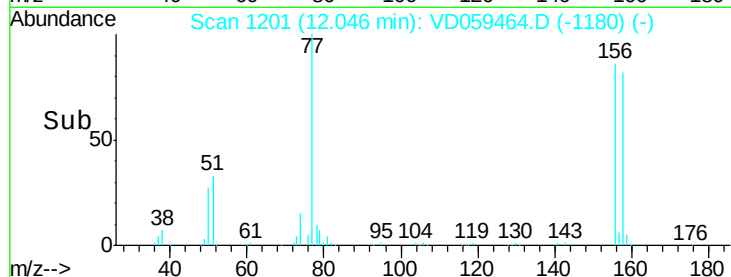
158 95.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.30 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059464.D

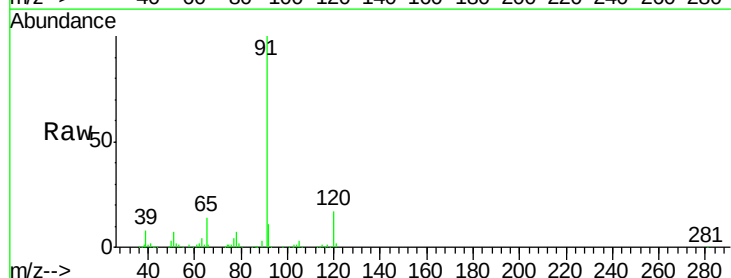
Acq: 28 Jun 2018 15:55

Tgt Ion: 91 Resp: 767360

Ion Ratio Lower Upper

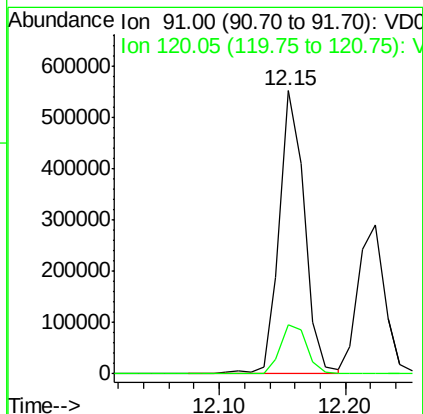
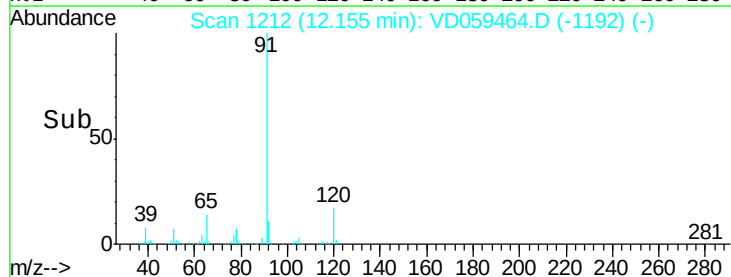
91 100

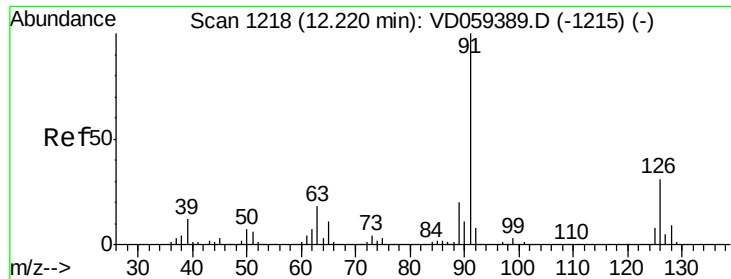
120 17.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.22 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

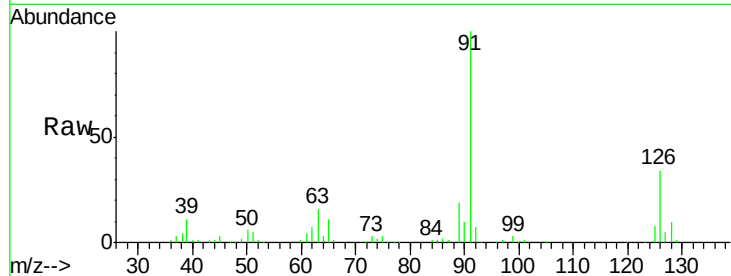
VD0628SBS01

Tot Ion: 91 Resp: 424630

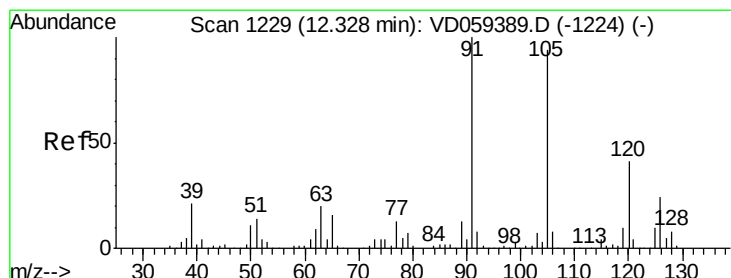
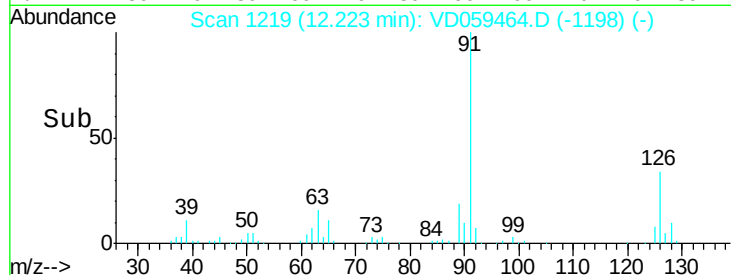
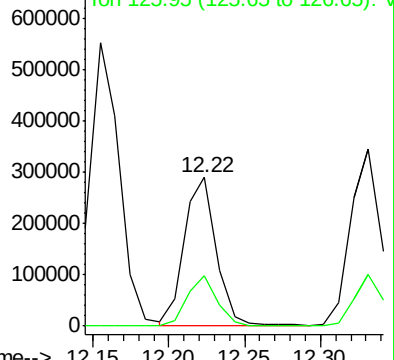
Ion Ratio Lower Upper

91 100

126 33.6 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.31 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059464.D

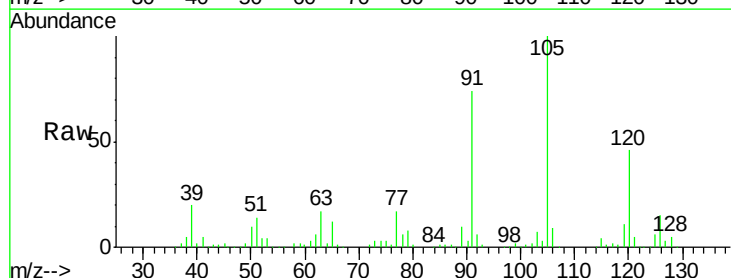
Acq: 28 Jun 2018 15:55

Tgt Ion: 105 Resp: 460881

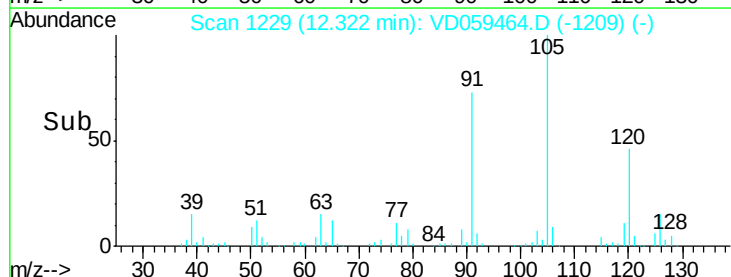
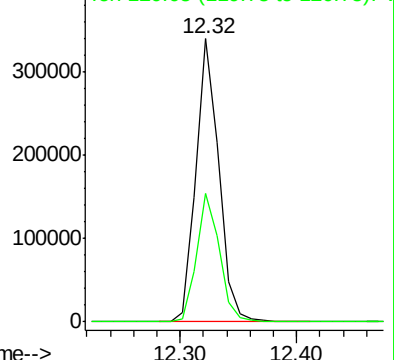
Ion Ratio Lower Upper

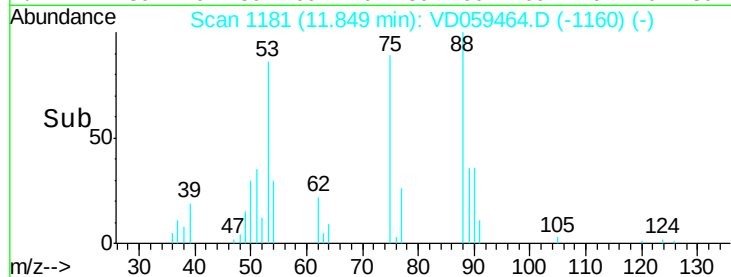
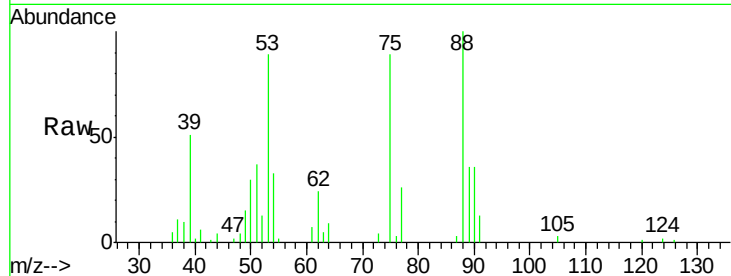
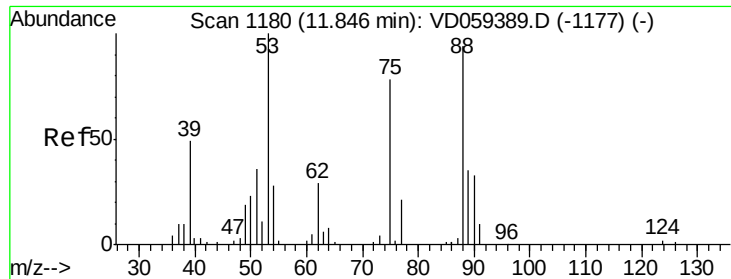
105 100

120 45.5 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.95 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

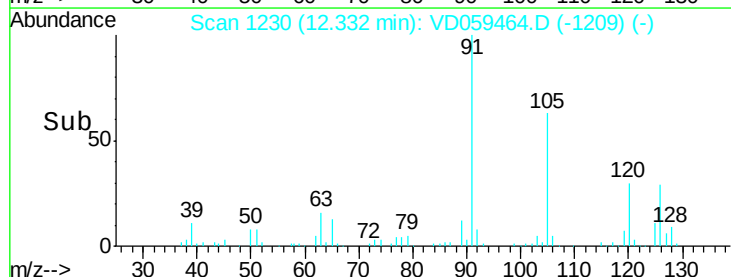
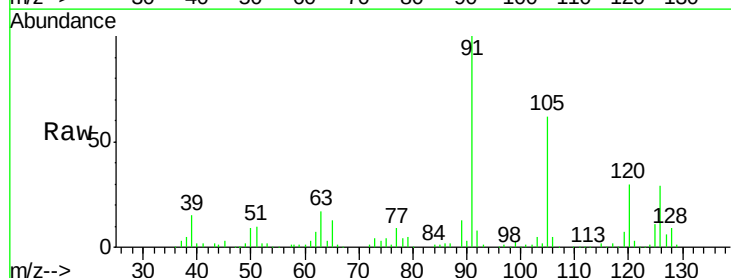
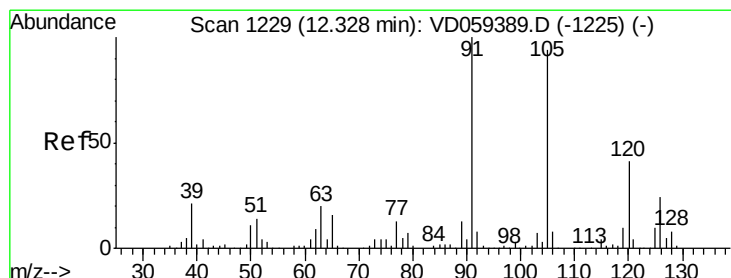
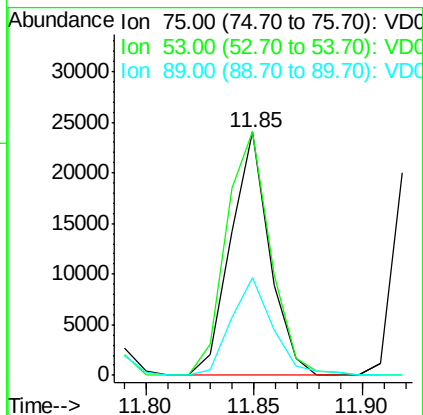
Tot Ion: 75 Resp: 30111

Ion Ratio Lower Upper

75 100

53 99.9 102.6 154.0#

89 40.0 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.30 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059464.D

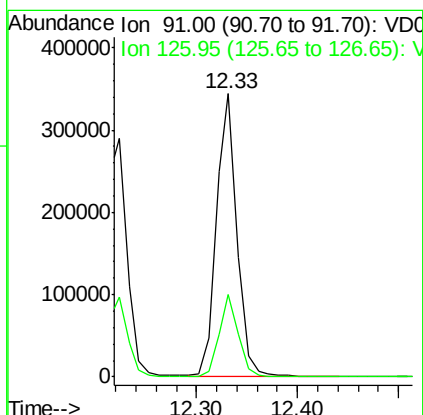
Acq: 28 Jun 2018 15:55

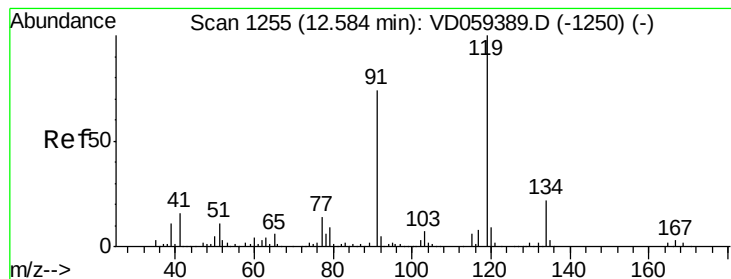
Tgt Ion: 91 Resp: 487994

Ion Ratio Lower Upper

91 100

126 29.1 12.2 36.6





#83

tert-Butylbenzene

Concen: 21.79 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

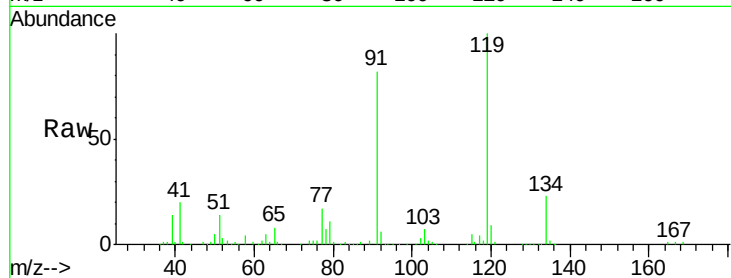
Tot Ion:119 Resp: 501269

Ion Ratio Lower Upper

119 100

91 81.6 36.9 110.7

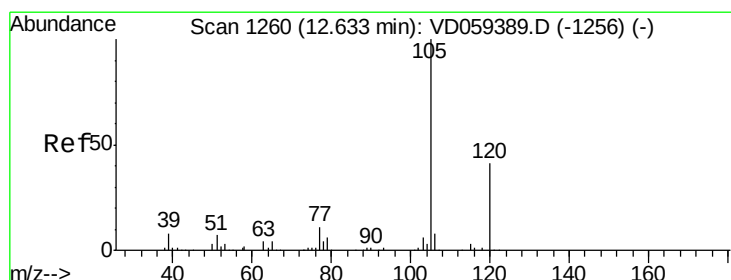
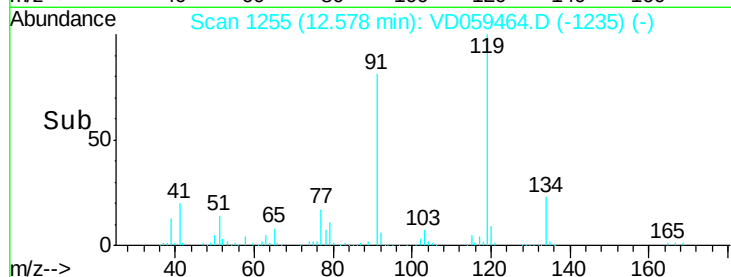
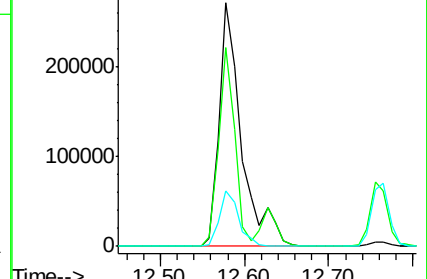
134 22.6 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.38 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059464.D

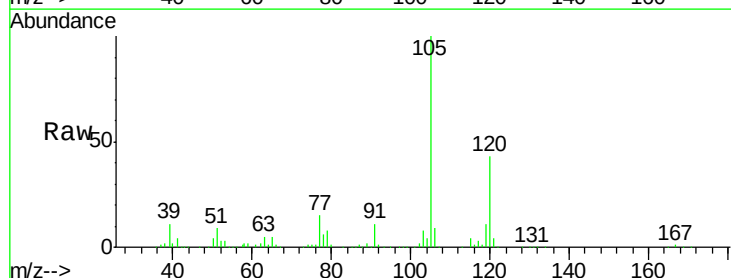
Acq: 28 Jun 2018 15:55

Tgt Ion:105 Resp: 489493

Ion Ratio Lower Upper

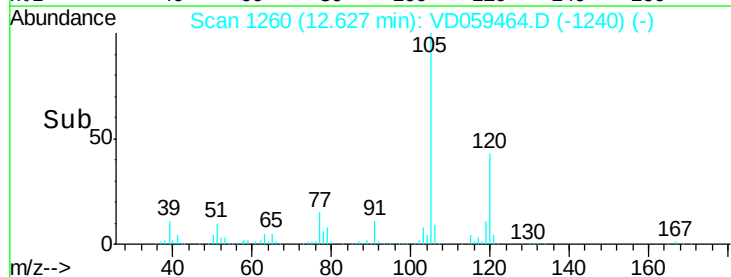
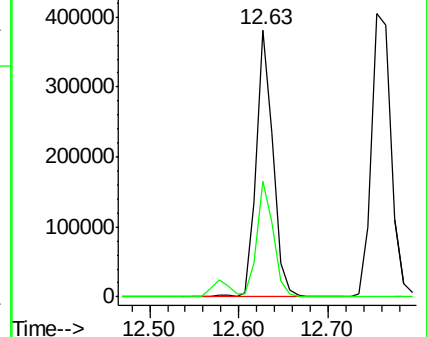
105 100

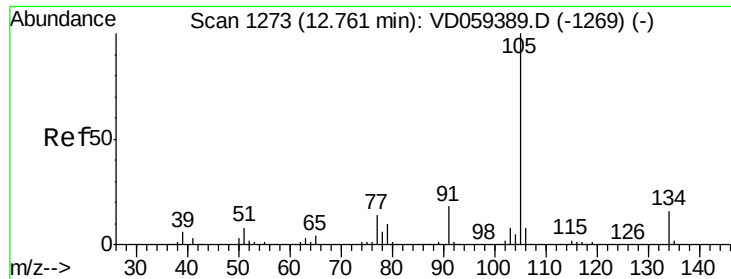
120 43.3 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.66 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

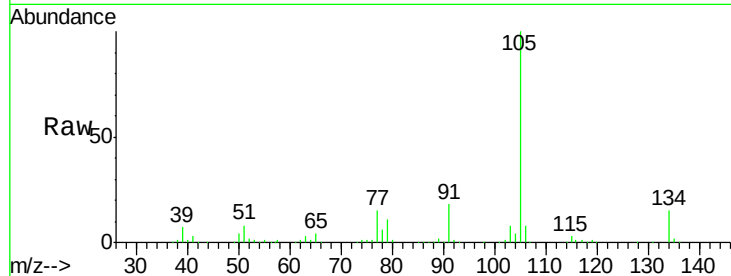
VD0628SBSD01

Tot Ion:105 Resp: 611570

Ion Ratio Lower Upper

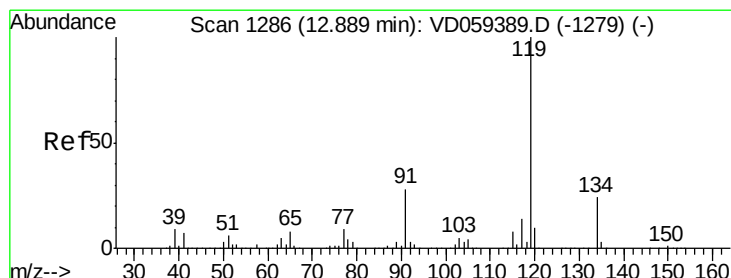
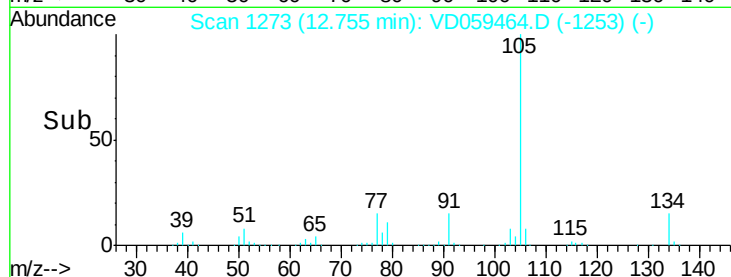
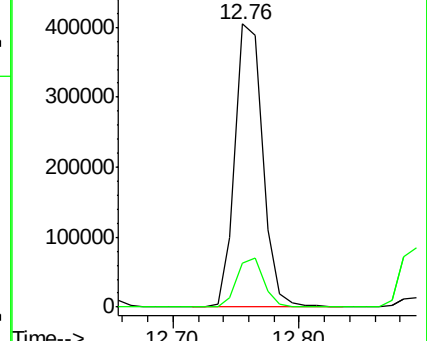
105 100

134 15.5 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.43 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

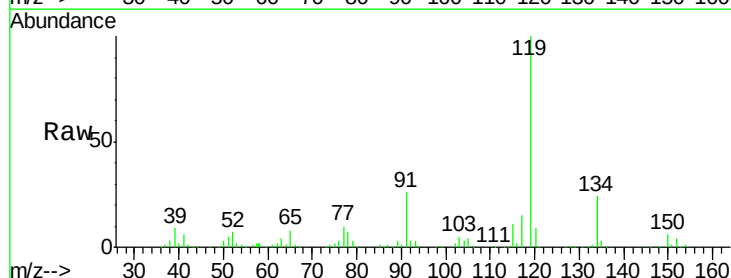
Tgt Ion:119 Resp: 487553

Ion Ratio Lower Upper

119 100

134 23.9 11.9 35.5

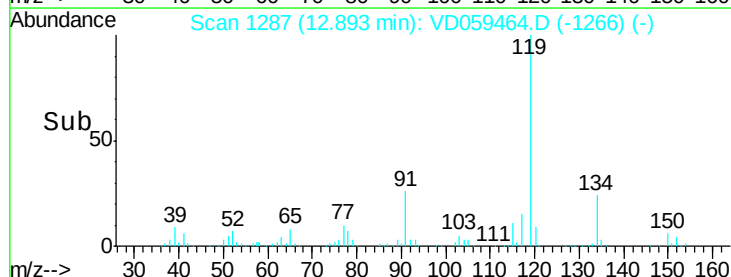
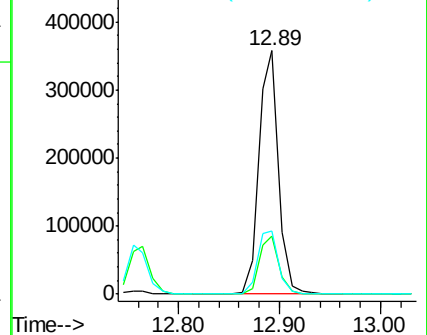
91 25.8 14.1 42.4

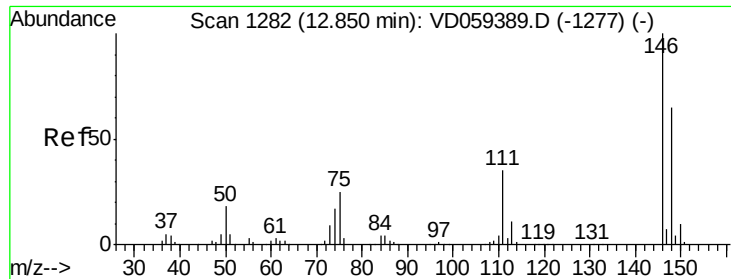


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

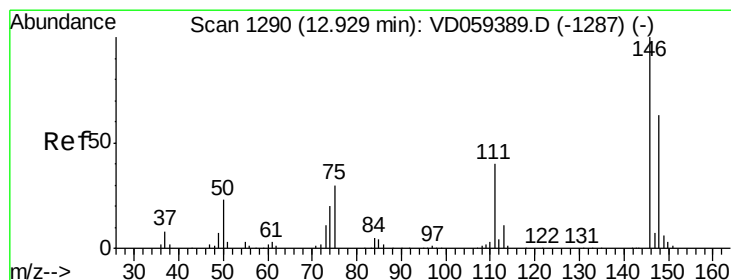
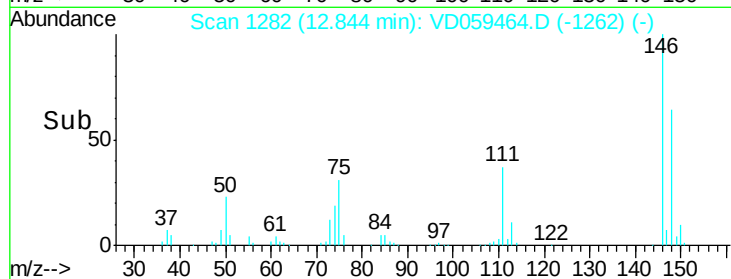
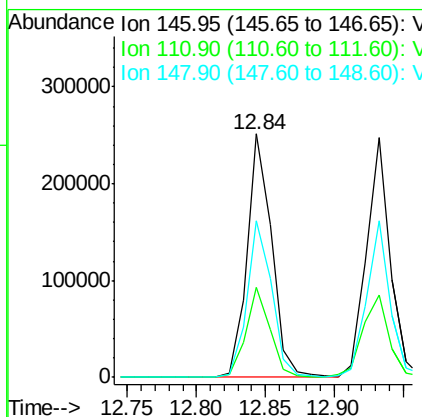
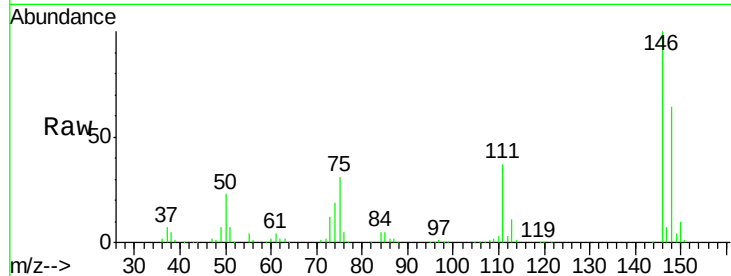




#87
 1,3-Dichlorobenzene
 Concen: 22.37 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

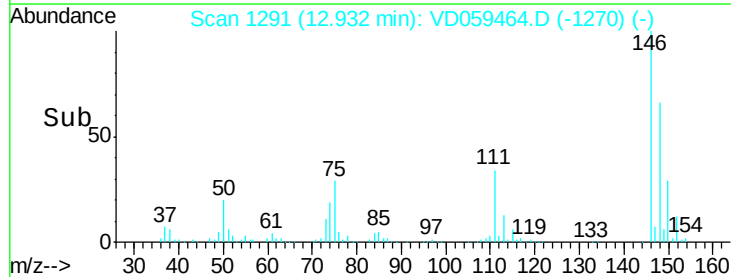
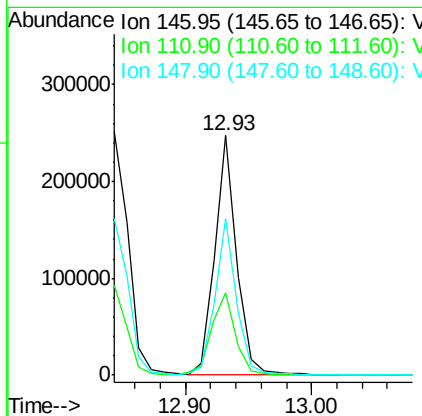
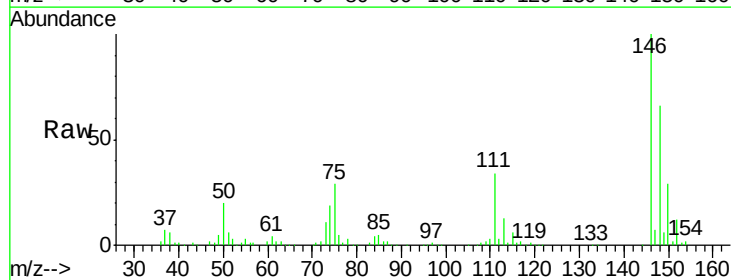
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

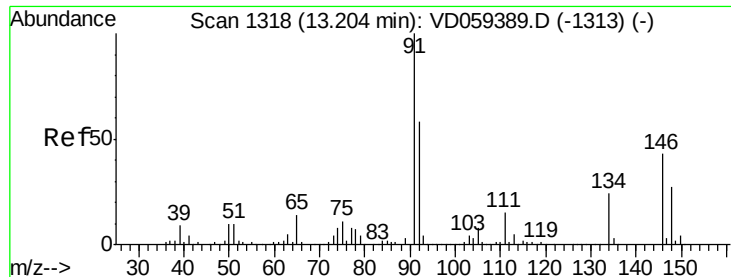
Tot Ion:146 Resp: 314651
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.6 52.8
 148 64.2 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion:146 Resp: 296832
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.1 60.2
 148 65.7 31.4 94.0





#89

n-Butylbenzene

Concen: 23.24 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

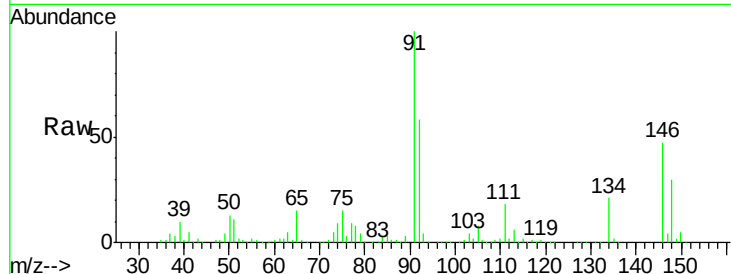
Tot Ion: 91 Resp: 521981

Ion Ratio Lower Upper

91 100

92 57.7 28.8 86.5

134 21.3 11.9 35.7

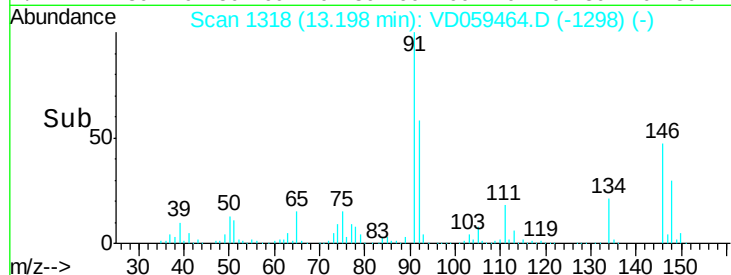


Abundance Ion 91.00 (90.70 to 91.70): V

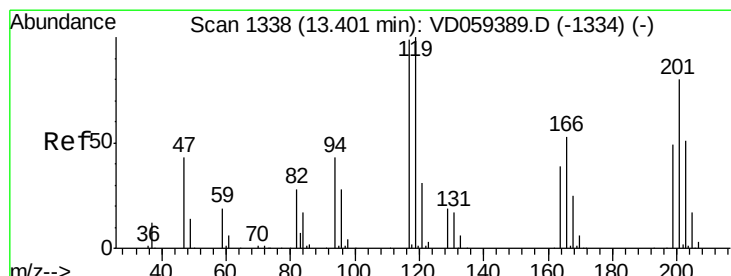
Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time--> 13.10 13.20 13.30



Time--> 13.10 13.20 13.30



#90

Hexachloroethane

Concen: 22.07 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD059464.D

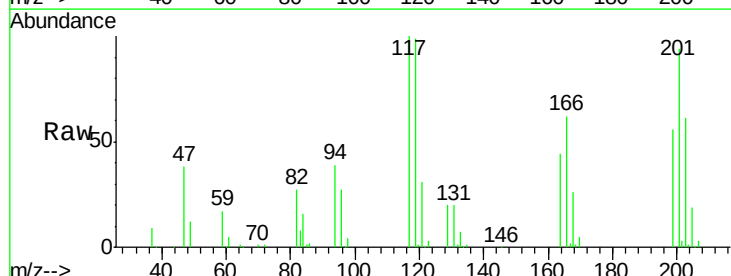
Acq: 28 Jun 2018 15:55

Tgt Ion: 117 Resp: 125276

Ion Ratio Lower Upper

117 100

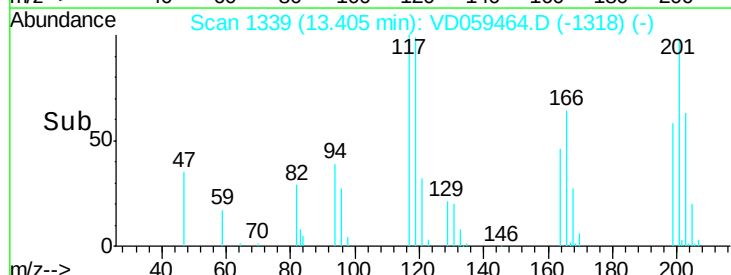
201 94.5 40.1 120.3



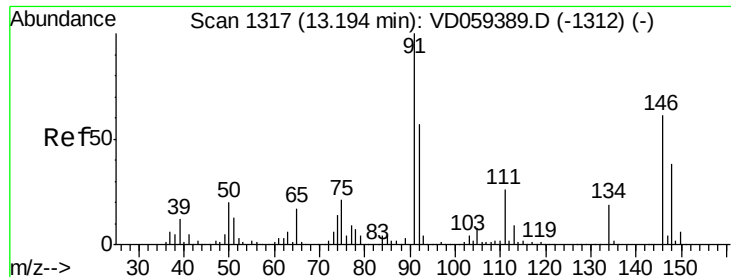
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time--> 13.35 13.40 13.45



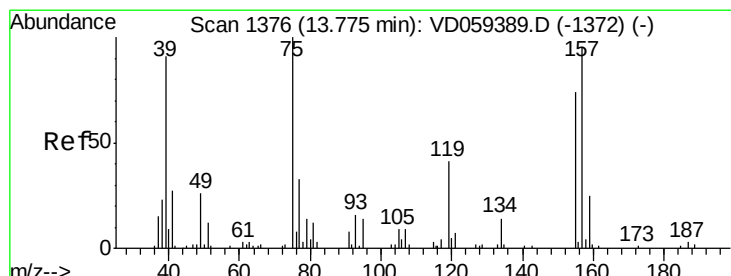
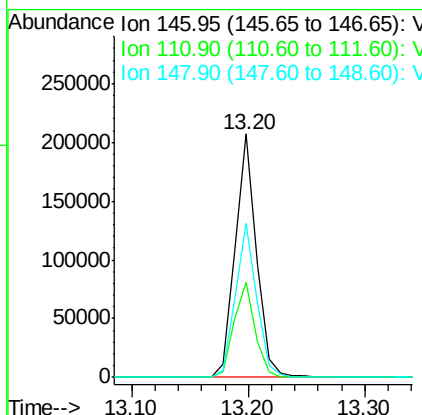
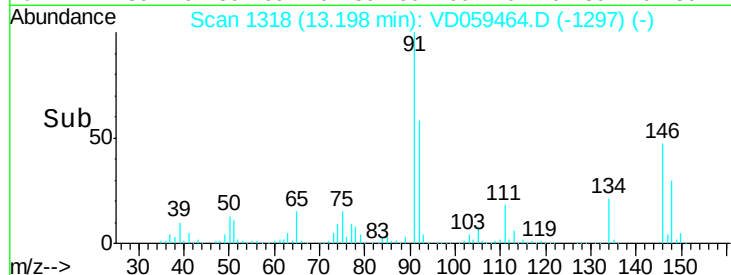
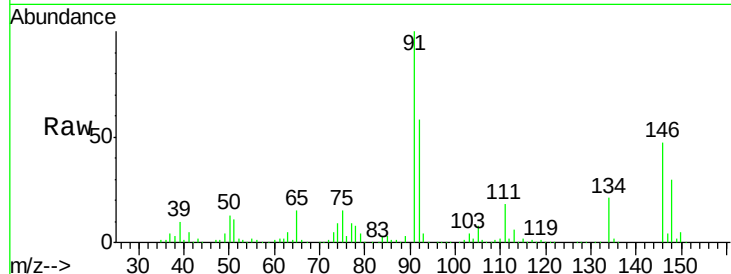
Time--> 13.35 13.40 13.45



#91
 1,2-Dichlorobenzene
 Concen: 21.97 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

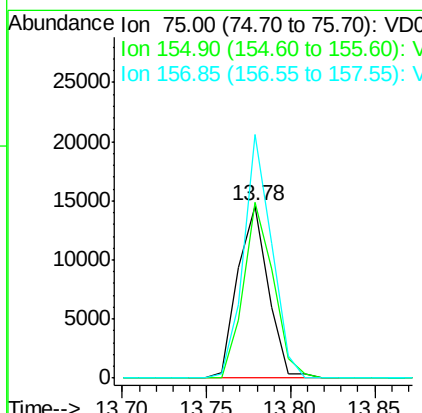
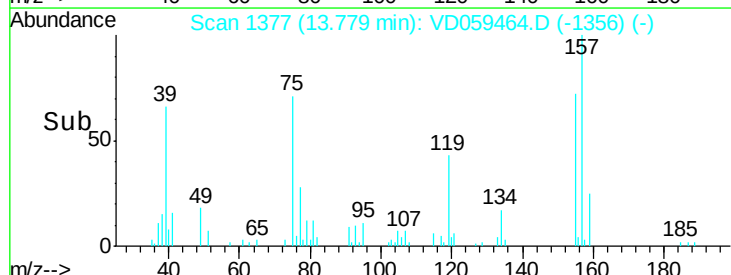
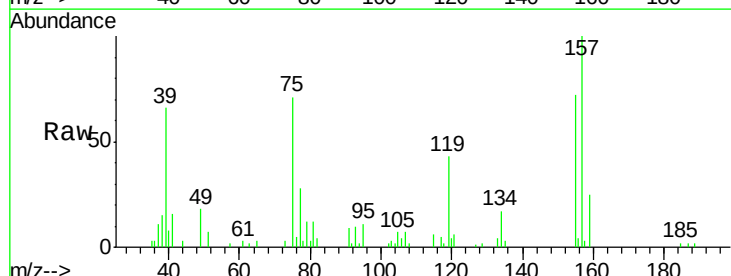
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

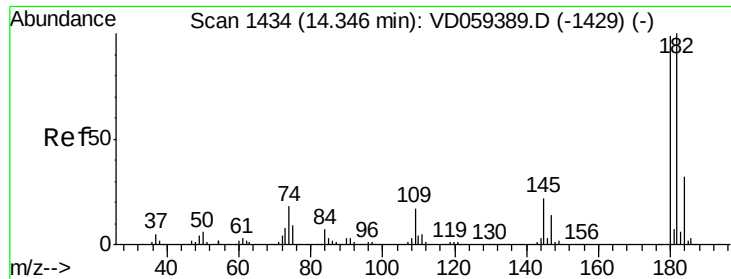
Tot Ion:146 Resp: 262110
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.4 64.2
 148 63.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.53 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion: 75 Resp: 18430
 Ion Ratio Lower Upper
 75 100
 155 102.3 37.2 111.6
 157 141.4 47.4 142.2

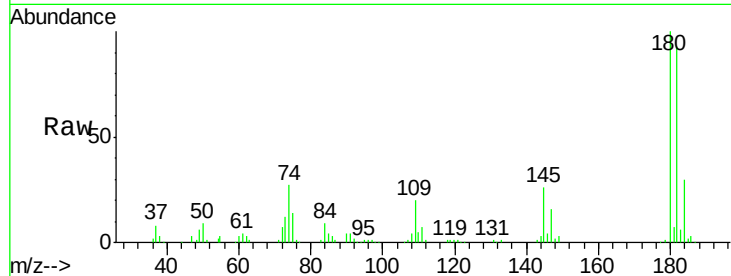




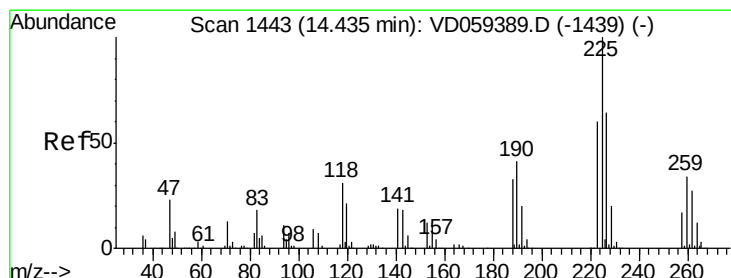
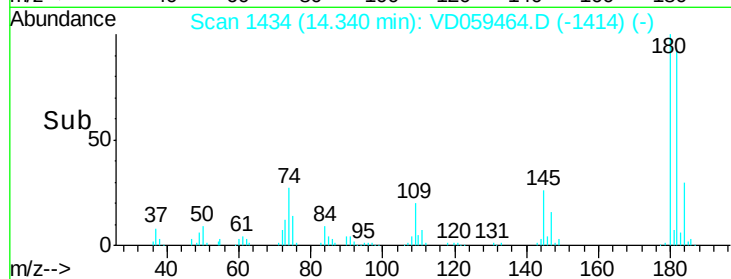
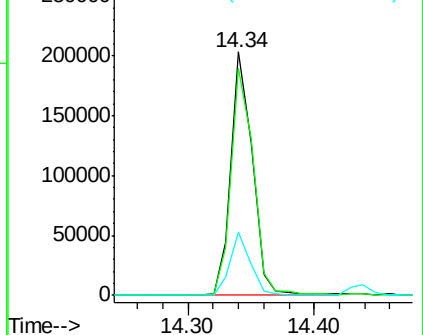
#93
 1,2,4-Trichlorobenzene
 Concen: 21.73 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion:180 Resp: 239654
 Ion Ratio Lower Upper
 180 100
 182 93.2 50.4 151.2
 145 25.9 11.0 33.0

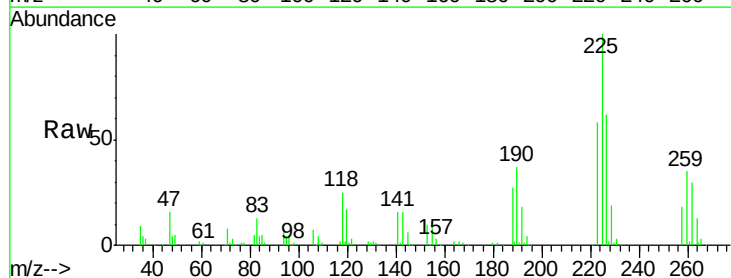


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

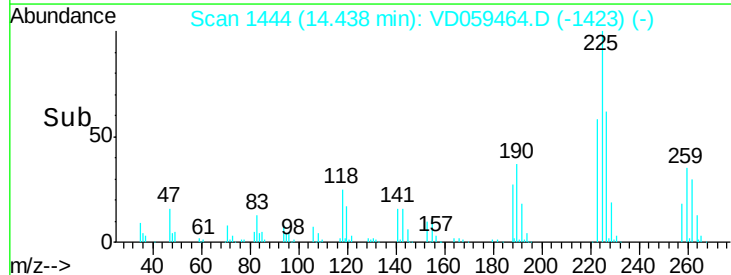
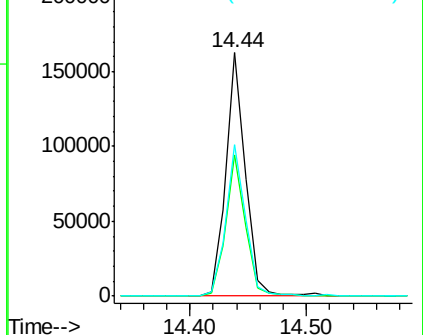


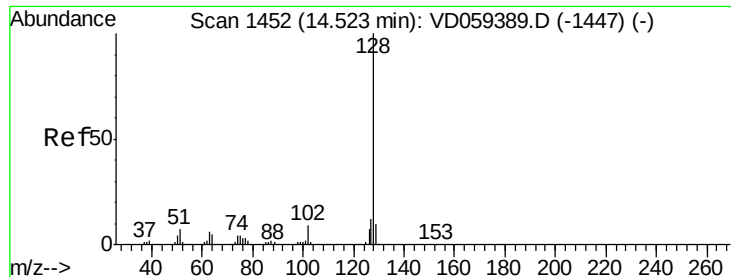
#94
 Hexachlorobutadiene
 Concen: 22.87 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059464.D
 Acq: 28 Jun 2018 15:55

Tgt Ion:225 Resp: 189810
 Ion Ratio Lower Upper
 225 100
 223 57.8 30.0 90.1
 227 62.0 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: 18.60 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

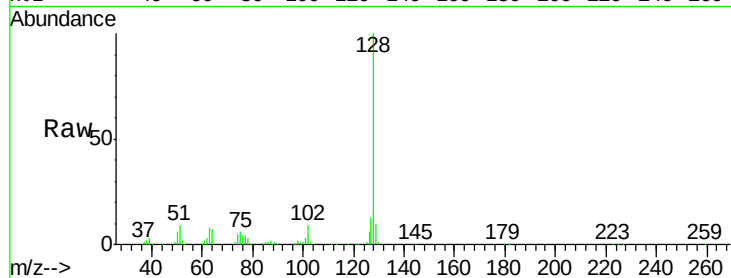
Tot Ion:128 Resp: 285848

Ion Ratio Lower Upper

128 100

127 13.2 9.6 14.4

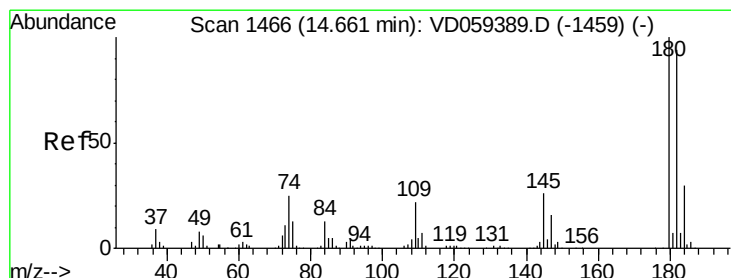
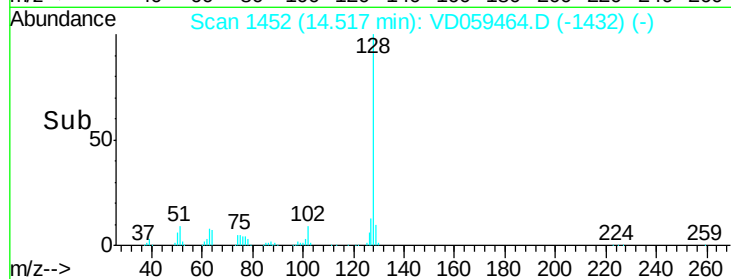
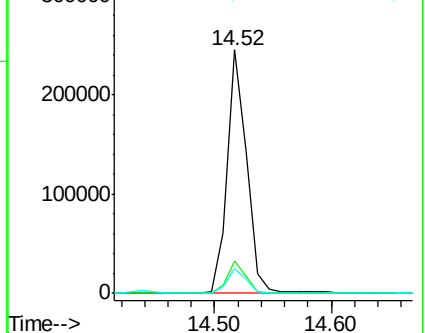
129 10.2 8.2 12.2



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: 20.33 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059464.D

Acq: 28 Jun 2018 15:55

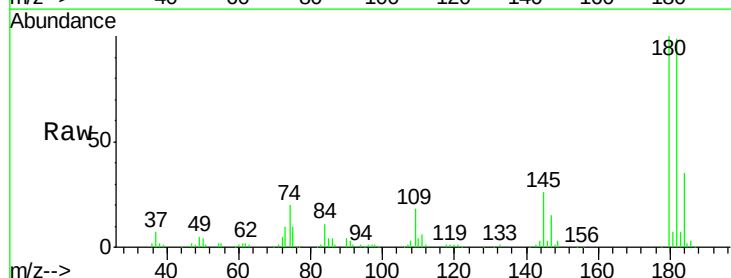
Tgt Ion:180 Resp: 201561

Ion Ratio Lower Upper

180 100

182 98.6 47.1 141.4

145 25.7 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

