

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060618\
 Data File : VD057964.D
 Acq On : 6 Jun 2018 21:39
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD060618

Quant Time: Jun 07 08:57:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	981999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1318387	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	1038971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	534847	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	466150	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.56	113	483976	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	1157506	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.93	95	485420	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	593309	45.02	ug/l	99
3) Chloromethane	1.49	50	300706	46.33	ug/l	100
4) Vinyl Chloride	1.56	62	318948	50.76	ug/l	100
5) Bromomethane	1.81	94	134541	54.64	ug/l	99
6) Chloroethane	1.90	64	127723	51.52	ug/l #	85
7) Trichlorofluoromethane	2.09	101	423839	49.35	ug/l	98
8) Diethyl Ether	2.36	74	89677	56.21	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.57	101	250622	48.92	ug/l	97
10) Methyl Iodide	2.70	142	342100	51.75	ug/l	94
11) Tert butyl alcohol	3.26	59	84674	321.96	ug/l	98
12) 1,1-Dichloroethene	2.56	96	195577	49.66	ug/l	99
13) Acrolein	2.48	56	89742	238.26	ug/l	91
14) Allyl chloride	2.93	41	458399	50.46	ug/l	97
15) Acrylonitrile	3.36	53	396587	257.76	ug/l	99
16) Acetone	2.62	43	350320	247.67	ug/l	97
17) Carbon Disulfide	2.76	76	740630	51.91	ug/l	97
18) Methyl Acetate	2.95	43	141927	51.87	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	889761	51.34	ug/l	97
20) Methylene Chloride	3.08	84	211341	54.86	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	425025	48.45	ug/l	96
22) Diisopropyl ether	4.08	45	1806876	50.20	ug/l	97
23) Vinyl Acetate	4.03	43	4858754	261.27	ug/l	99
24) 1,1-Dichloroethane	3.98	63	951836	48.12	ug/l	98
25) 2-Butanone	4.84	43	824788	256.58	ug/l	98
26) 2,2-Dichloropropane	4.81	77	763536	46.86	ug/l	96
27) cis-1,2-Dichloroethene	4.81	96	504210	48.46	ug/l	99
28) Bromochloromethane	5.15	49	439463	51.33	ug/l	99
29) Tetrahydrofuran	5.19	42	444993	264.08	ug/l	98
30) Chloroform	5.33	83	992522	49.85	ug/l	98
31) Cyclohexane	5.60	56	745550	43.67	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	812483	48.74	ug/l	96
36) 1,1-Dichloropropene	5.76	75	679890	46.81	ug/l	96
37) Ethyl Acetate	4.93	43	405922	51.22	ug/l #	95
38) Carbon Tetrachloride	5.73	117	725474	50.68	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	686179	47.65	ug/l	97
40) Benzene	6.02	78	1572475	46.34	ug/l	99
41) Methacrylonitrile	5.14	41	218245	60.22	ug/l	98
42) 1,2-Dichloroethane	6.13	62	697521	50.84	ug/l	98
43) Isopropyl Acetate	7.62	43	536498	51.68	ug/l	100
44) Trichloroethene	6.99	130	489117	49.35	ug/l	97
45) 1,2-Dichloropropane	7.35	63	459262	48.70	ug/l	96
46) Dibromomethane	7.47	93	305215	50.38	ug/l	96
47) Bromodichloromethane	7.74	83	721306	50.85	ug/l	95
48) Methyl methacrylate	7.51	41	322909	50.54	ug/l	100
49) 1,4-Dioxane	7.50	88	54662	1032.66	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	1703775	255.87	ug/l	100
52) Toluene	8.81	92	897091	46.07	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	597989	48.93	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	702937	48.82	ug/l	94
55) 1,1,2-Trichloroethane	9.46	97	316785	50.26	ug/l	97
56) Ethyl methacrylate	9.31	69	403839	52.24	ug/l	97
57) 1,3-Dichloropropane	9.66	76	547187	49.50	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	919236	235.34	ug/l	99
59) 2-Hexanone	9.78	43	1270240	260.31	ug/l	98
60) Dibromochloromethane	9.96	129	475584	53.51	ug/l	100
61) 1,2-Dibromoethane	10.10	107	365739	50.46	ug/l	97
64) Tetrachloroethene	9.52	164	465399	50.11	ug/l	99
65) Chlorobenzene	10.73	112	1040143	49.45	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	401872	49.73	ug/l	98
67) Ethyl Benzene	10.85	91	1795591	47.25	ug/l	99
68) m/p-Xylenes	11.01	106	1183684	95.55	ug/l	96
69) o-Xylene	11.41	106	600155	48.81	ug/l	96
70) Styrene	11.44	104	997161	48.99	ug/l	97
71) Bromoform	11.60	173	346275	56.96	ug/l	98
73) Isopropylbenzene	11.77	105	1722972	48.64	ug/l	100
74) N-amyl acetate	11.64	43	704936	51.57	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	395577	51.22	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	394198	49.06	ug/l	99
77) Bromobenzene	12.04	156	520509	49.64	ug/l	94
78) n-propylbenzene	12.15	91	2136870	46.36	ug/l	100
79) 2-Chlorotoluene	12.21	91	1272661	48.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1334397	48.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	112224	56.40	ug/l	90
82) 4-Chlorotoluene	12.32	91	1355104	53.19	ug/l	96
83) tert-Butylbenzene	12.58	119	1541441	49.41	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	1469752	49.48	ug/l	98
85) sec-Butylbenzene	12.75	105	1820364	48.35	ug/l	100
86) p-Isopropyltoluene	12.88	119	1455410	47.96	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	890553	50.21	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	805326	46.60	ug/l	94
89) n-Butylbenzene	13.20	91	1428326	52.47	ug/l	98
90) Hexachloroethane	13.39	117	396151	51.15	ug/l	66
91) 1,2-Dichlorobenzene	13.19	146	684794	47.77	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	66951	56.17	ug/l	97

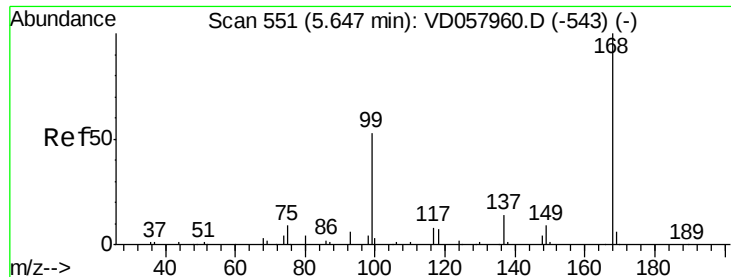
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QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	682846	50.99	ug/l	99
94) Hexachlorobutadiene	14.44	225	539016	51.17	ug/l	97
95) Naphthalene	14.52	128	876438	50.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	581836	50.98	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

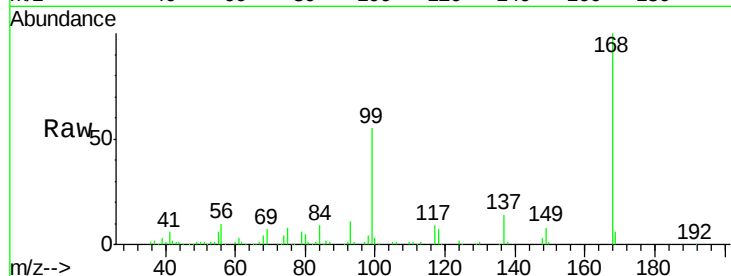
ICVVD060618

Tot Ion:168 Resp: 981999

Ion Ratio Lower Upper

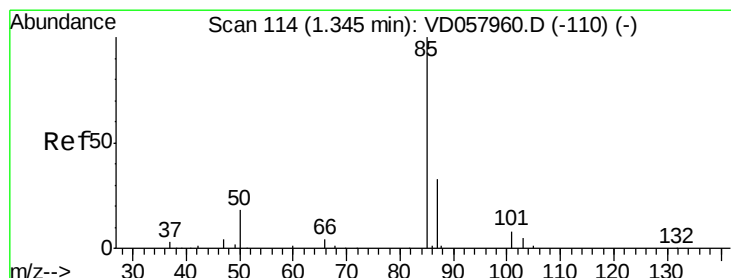
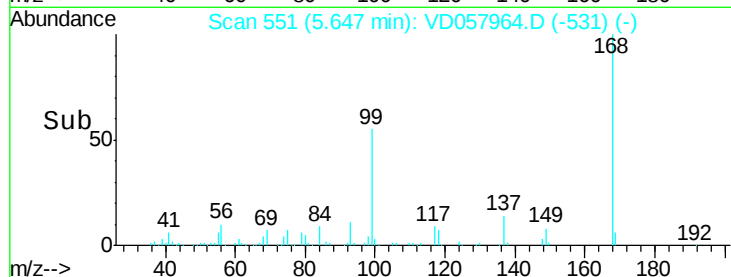
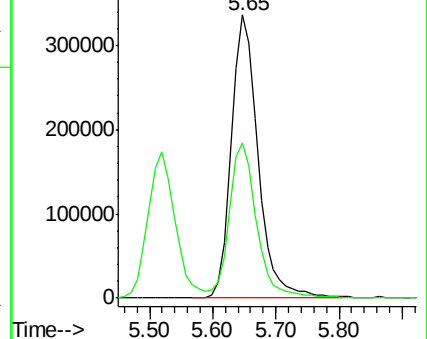
168 100

99 55.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.02 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD057964.D

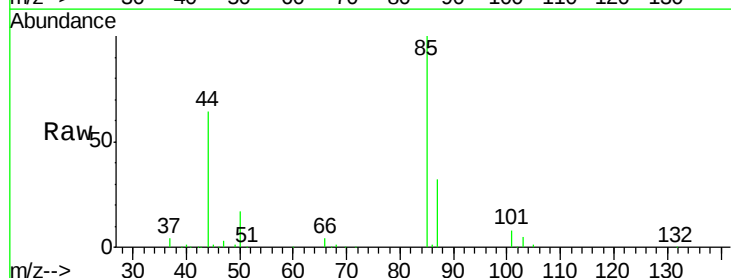
Acq: 6 Jun 2018 21:39

Tgt Ion: 85 Resp: 593309

Ion Ratio Lower Upper

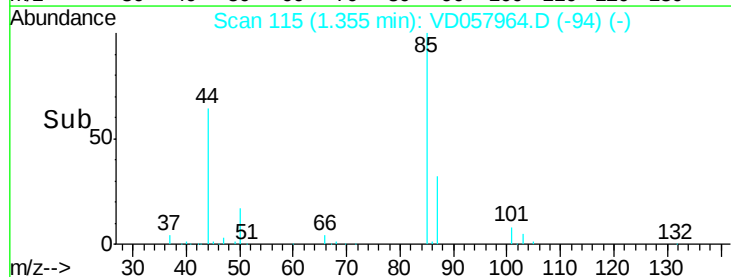
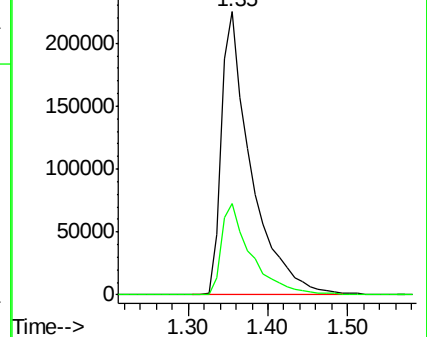
85 100

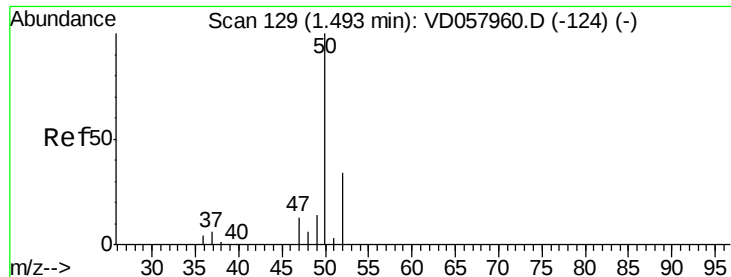
87 32.3 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.33 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

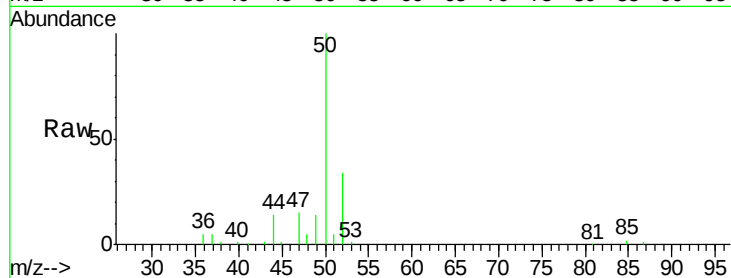
ICVVD060618

Tot Ion: 50 Resp: 300706

Ion Ratio Lower Upper

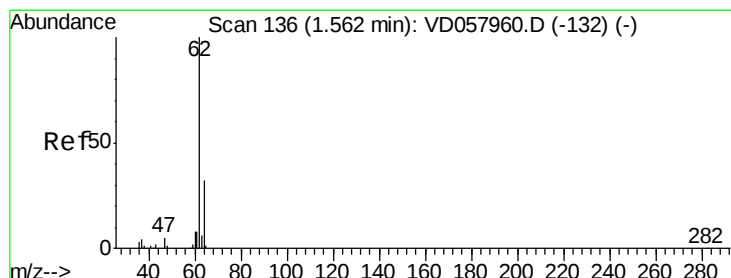
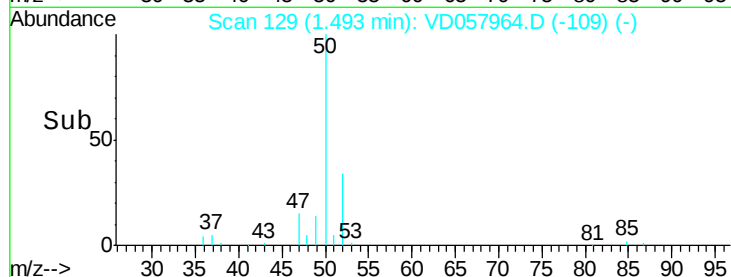
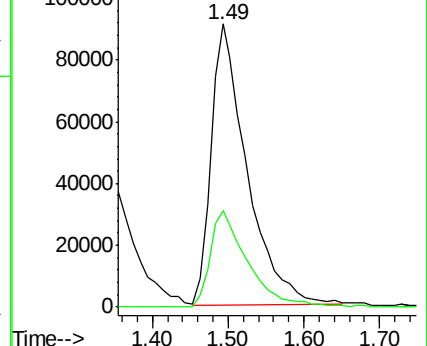
50 100

52 33.9 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.76 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD057964.D

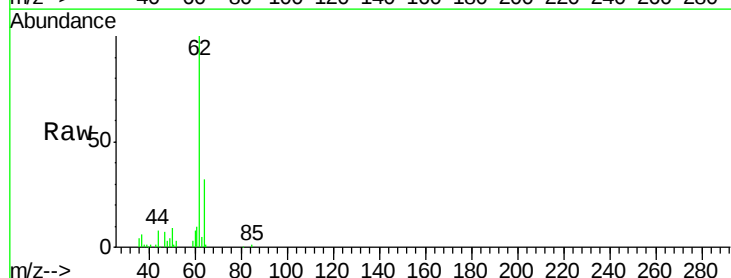
Acq: 6 Jun 2018 21:39

Tgt Ion: 62 Resp: 318948

Ion Ratio Lower Upper

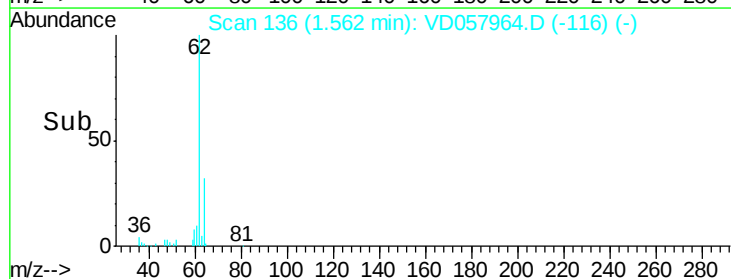
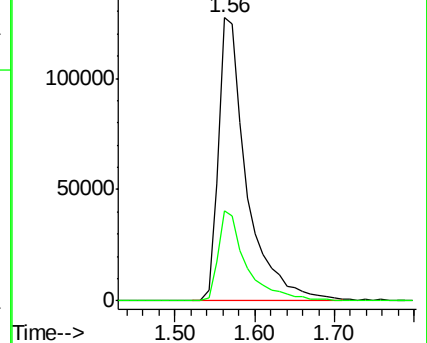
62 100

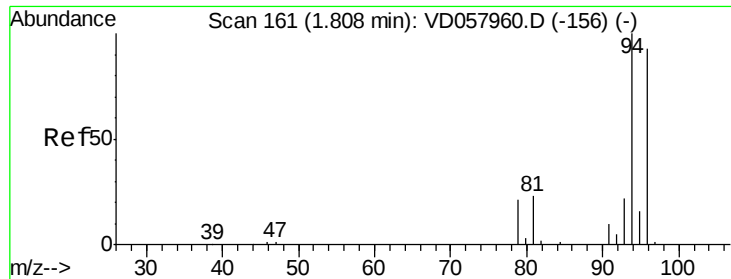
64 31.7 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

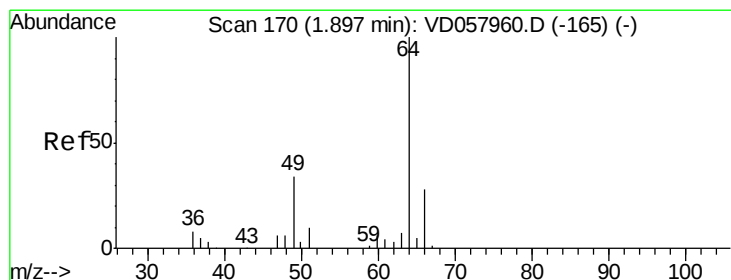
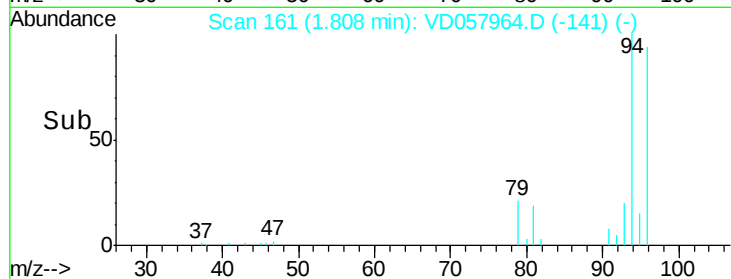
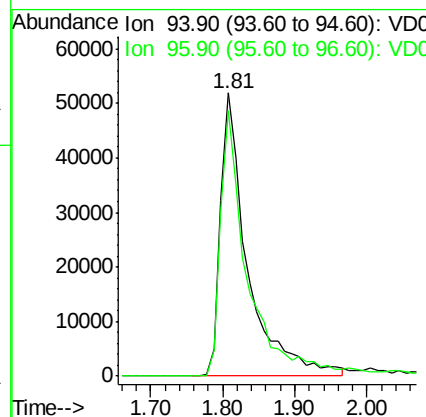
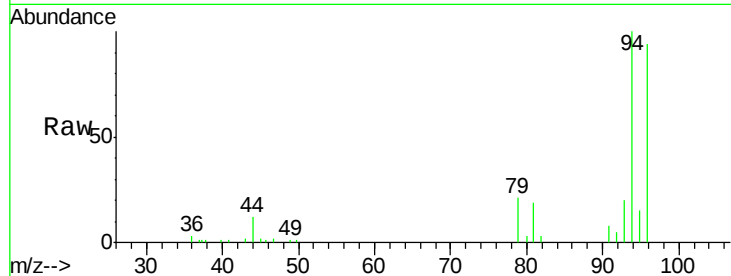




#5
Bromomethane
Concen: 54.64 ug/l
RT: 1.81 min Scan# 161
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

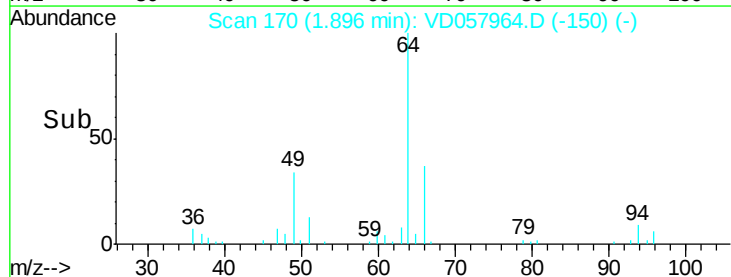
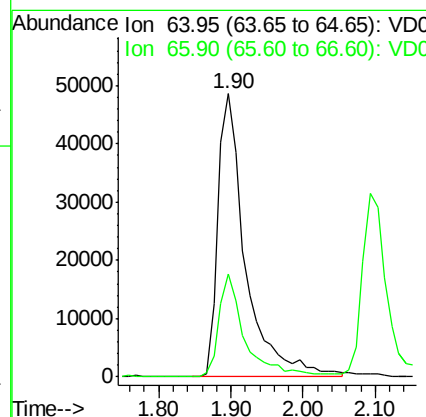
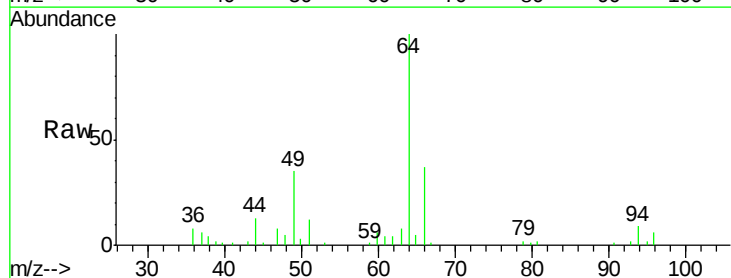
Instrument :
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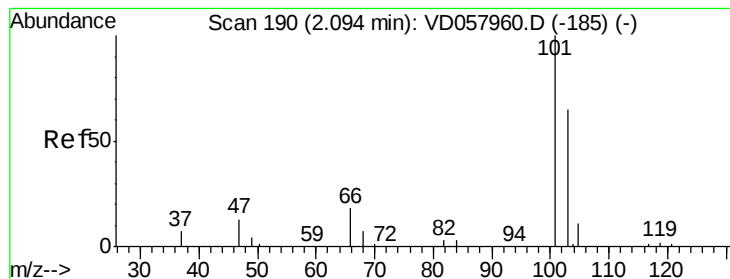
Tot Ion: 94 Resp: 134541
Ion Ratio Lower Upper
94 100
96 93.7 74.3 111.5



#6
Chloroethane
Concen: 51.52 ug/l
RT: 1.90 min Scan# 170
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 64 Resp: 127723
Ion Ratio Lower Upper
64 100
66 36.5 22.8 34.2#



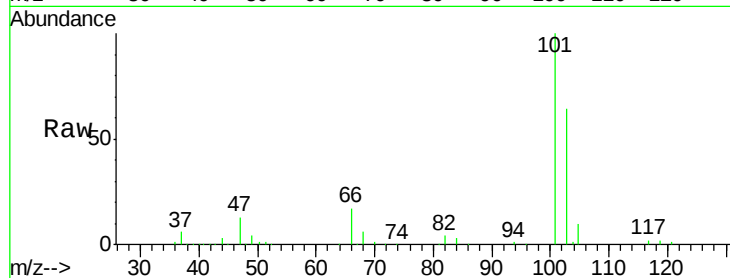


#7

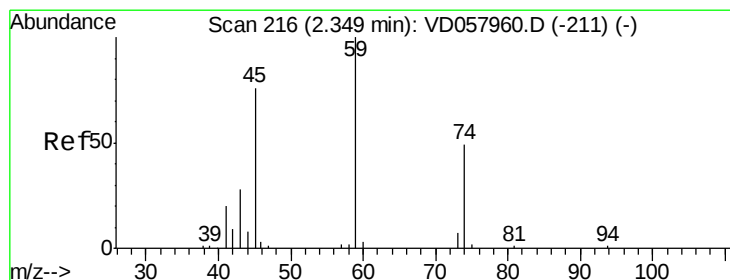
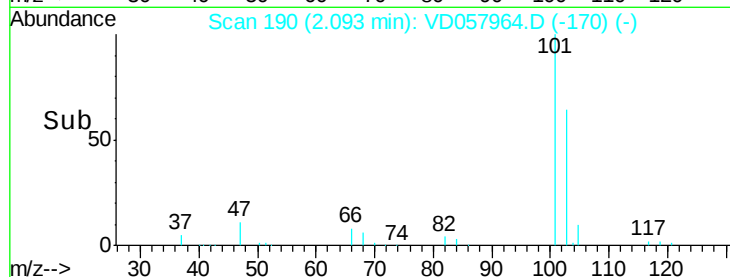
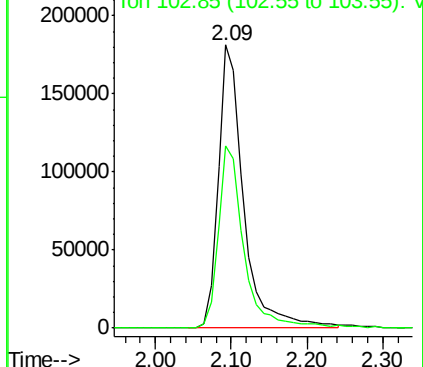
Trichlorofluoromethane
Concen: 49.35 ug/l
RT: 2.09 min Scan# 190
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

Tot Ion:101 Resp: 423839
Ion Ratio Lower Upper
101 100
103 64.3 52.4 78.6



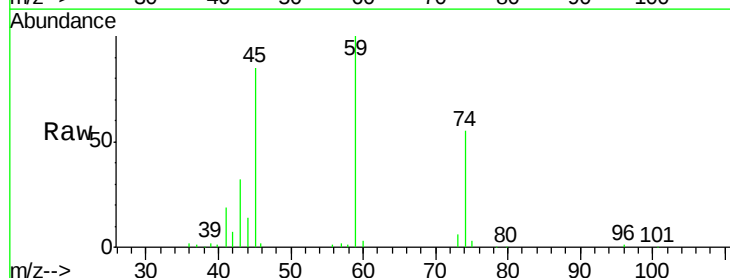
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



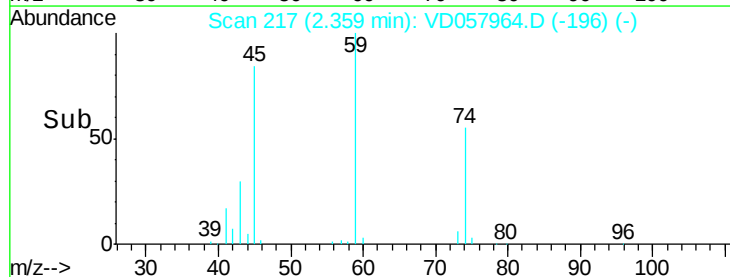
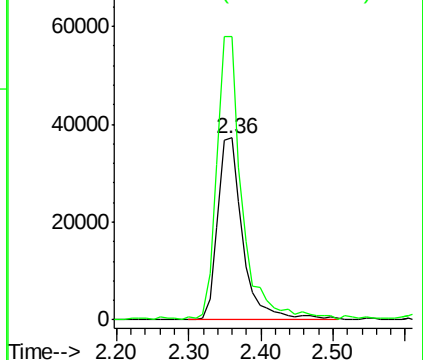
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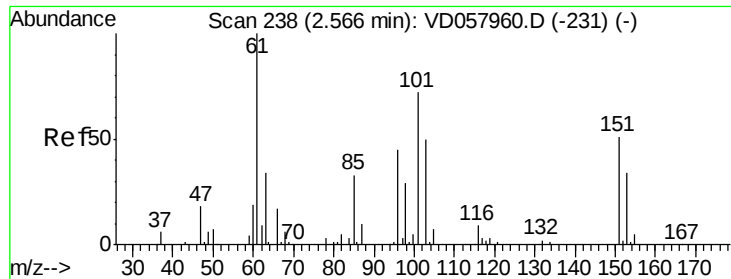
Diethyl Ether
Concen: 56.21 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 74 Resp: 89677
Ion Ratio Lower Upper
74 100
45 155.3 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.92 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD057964.D

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MSVOA_D

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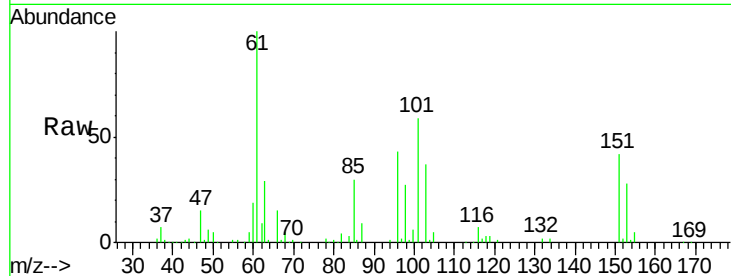
Tot Ion:101 Resp: 250622

Ion Ratio Lower Upper

101 100

85 50.7 37.3 55.9

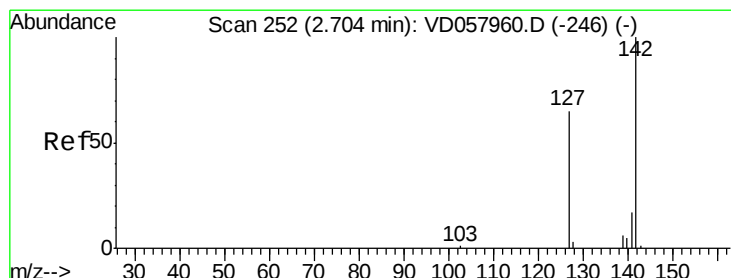
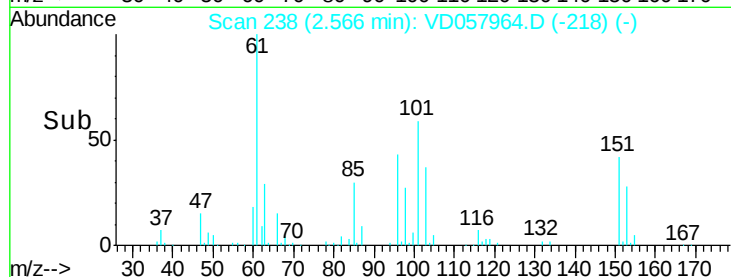
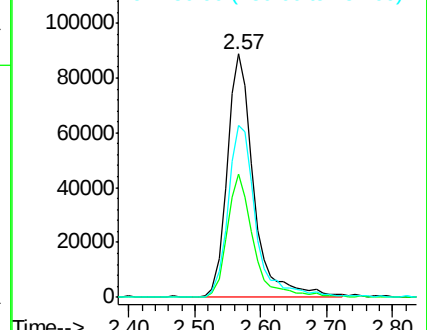
151 70.7 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.75 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

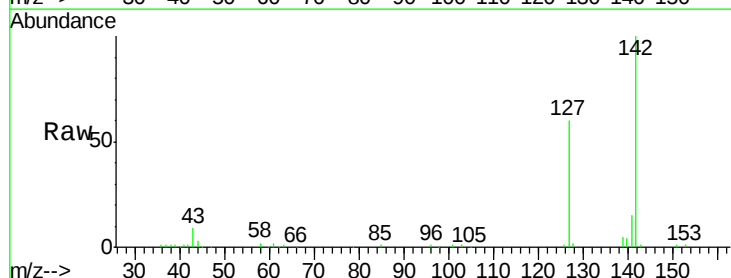
Tgt Ion:142 Resp: 342100

Ion Ratio Lower Upper

142 100

127 59.6 52.0 78.0

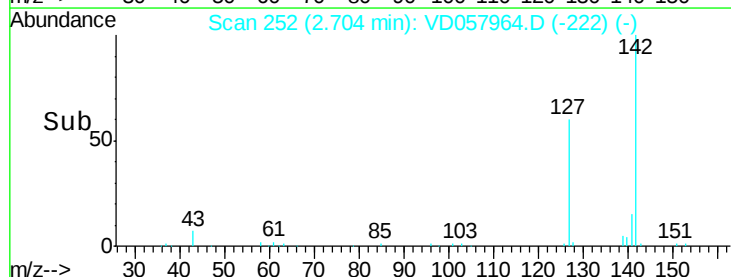
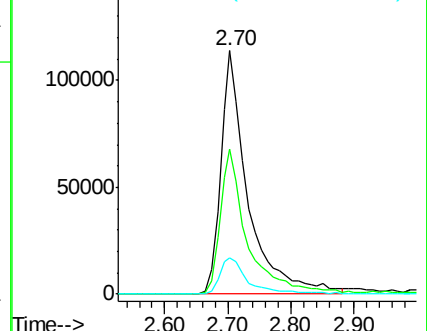
141 14.8 13.2 19.8

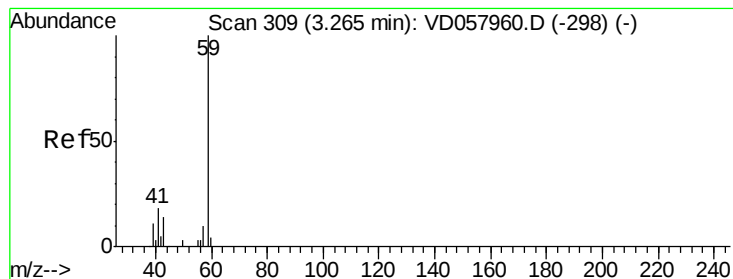


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 321.96 ug/l

RT: 3.26 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

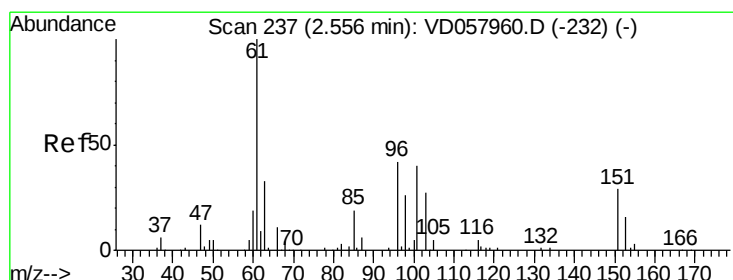
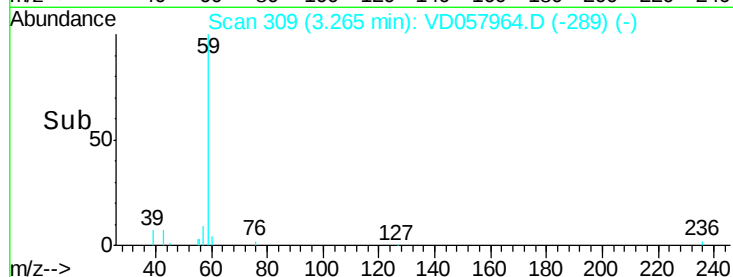
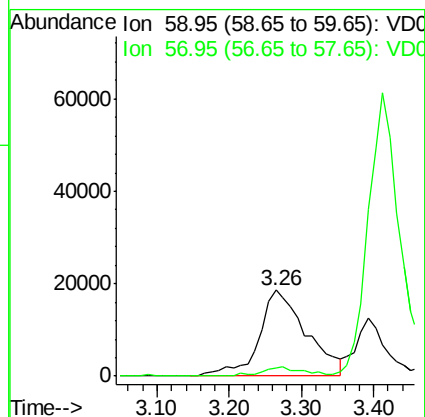
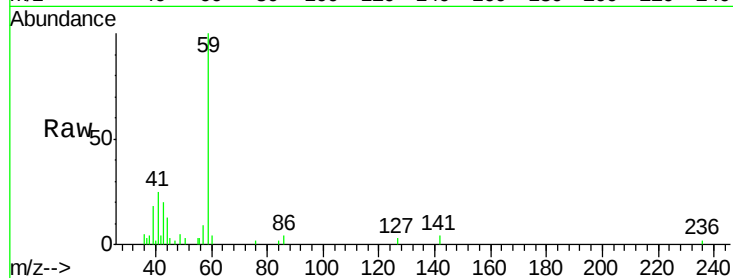
ICVVD060618

Tot Ion: 59 Resp: 84674

Ion Ratio Lower Upper

59 100

57 9.1 7.8 11.6



#12

1,1-Dichloroethene

Concen: 49.66 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

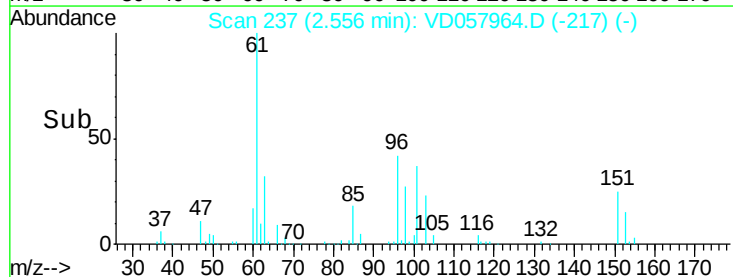
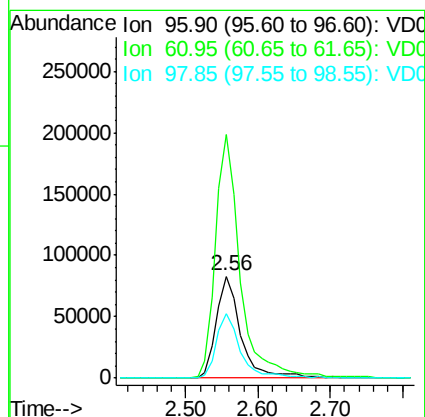
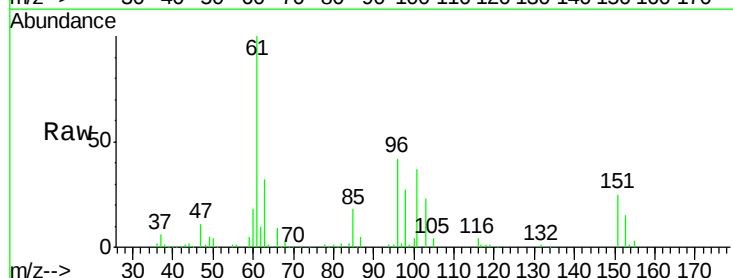
Tgt Ion: 96 Resp: 195577

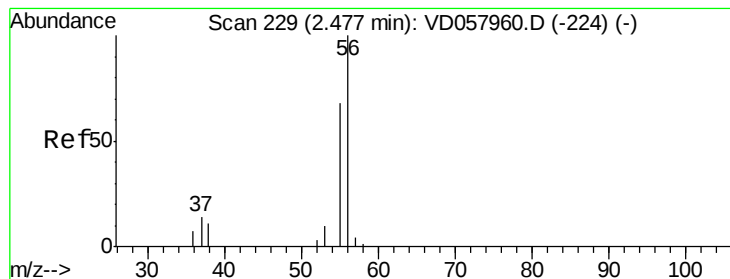
Ion Ratio Lower Upper

96 100

61 239.3 190.2 285.4

98 63.6 49.6 74.4





#13

Acrolein

Concen: 238.26 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

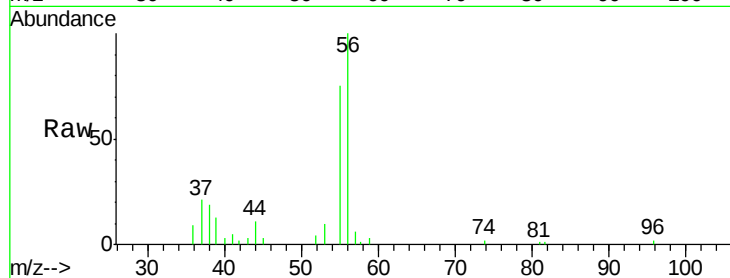
ICVVD060618

Tot Ion: 56 Resp: 89742

Ion Ratio Lower Upper

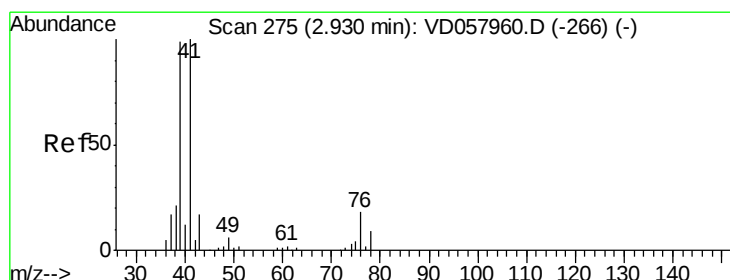
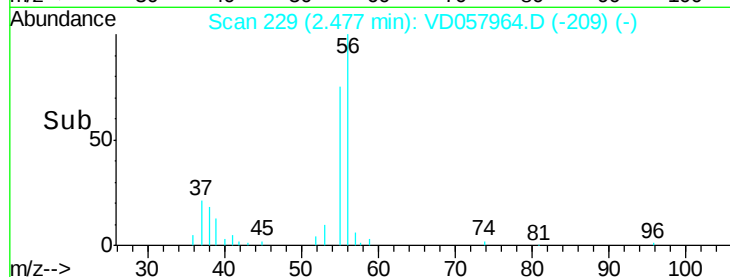
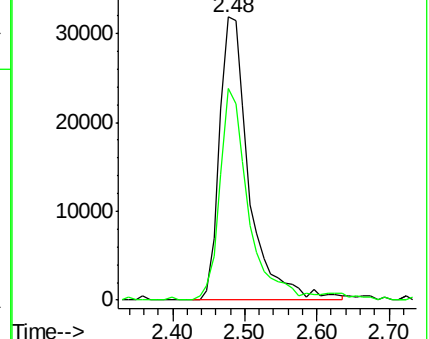
56 100

55 75.0 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.46 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

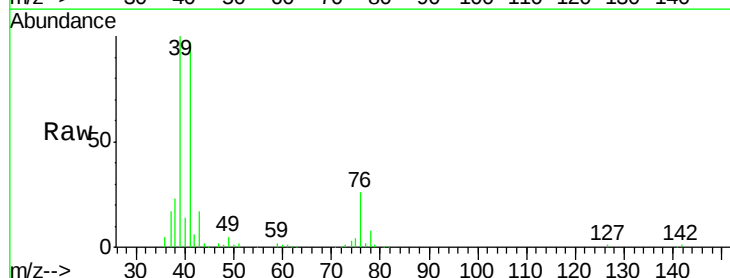
Tgt Ion: 41 Resp: 458399

Ion Ratio Lower Upper

41 100

39 102.7 79.5 119.3

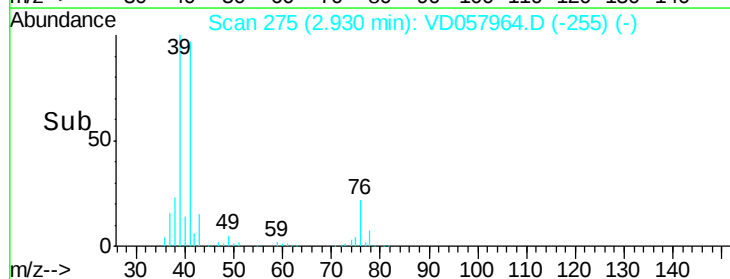
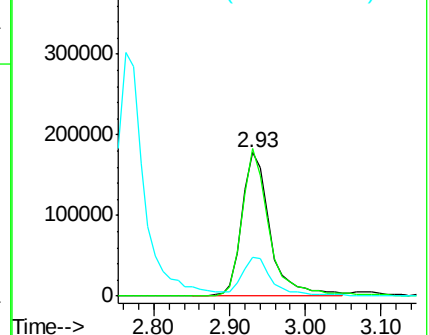
76 27.2 20.7 31.1

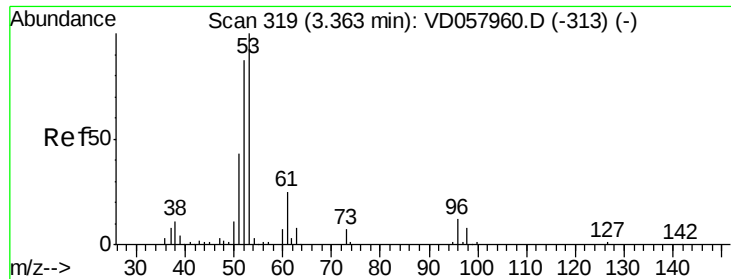


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 257.76 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

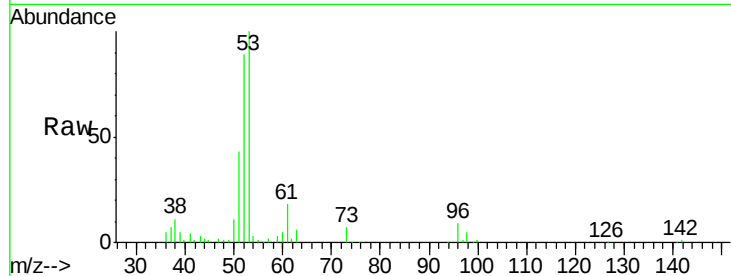
Tot Ion: 53 Resp: 396587

Ion Ratio Lower Upper

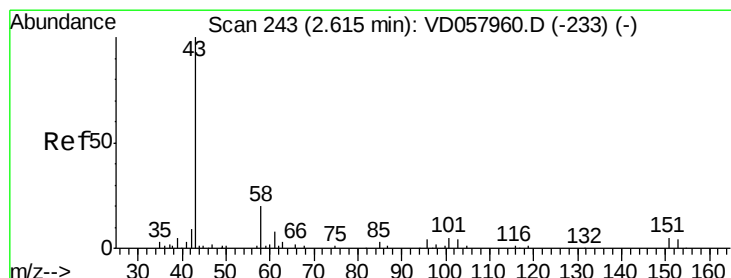
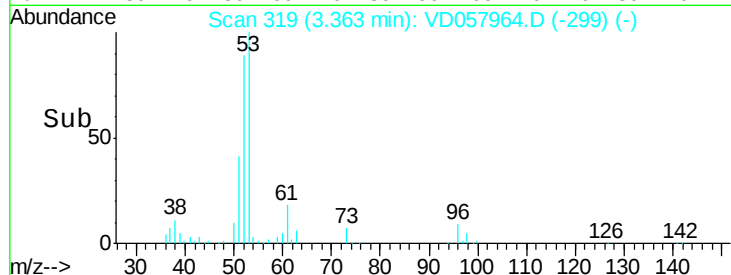
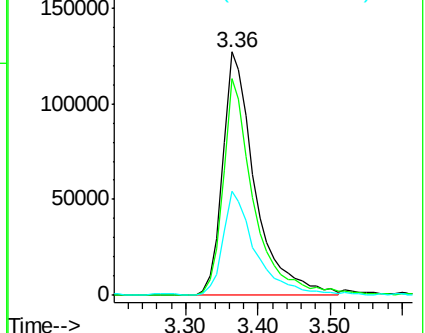
53 100

52 88.9 69.9 104.9

51 42.8 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 247.67 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057964.D

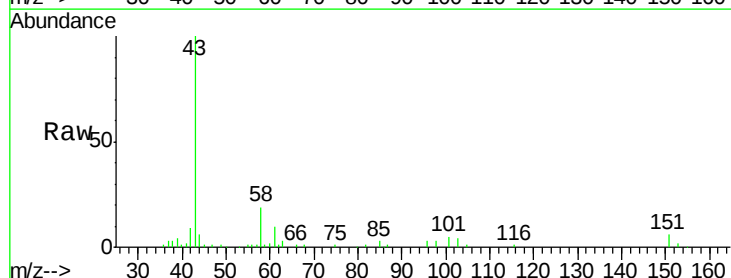
Acq: 6 Jun 2018 21:39

Tgt Ion: 43 Resp: 350320

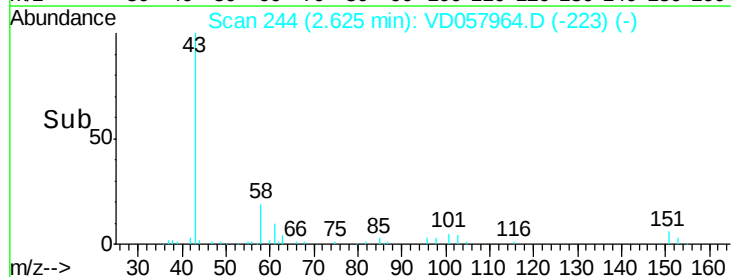
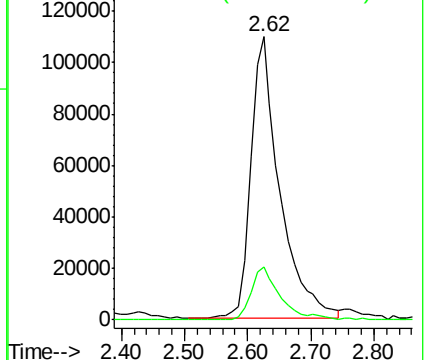
Ion Ratio Lower Upper

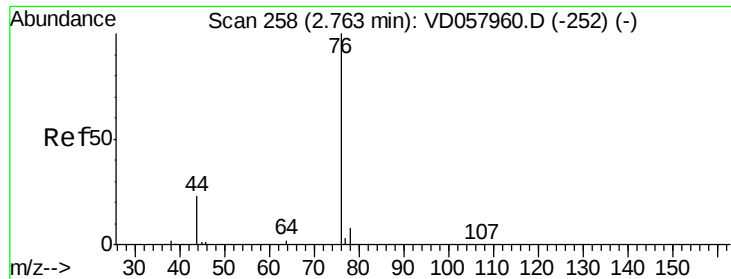
43 100

58 18.6 15.8 23.8



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

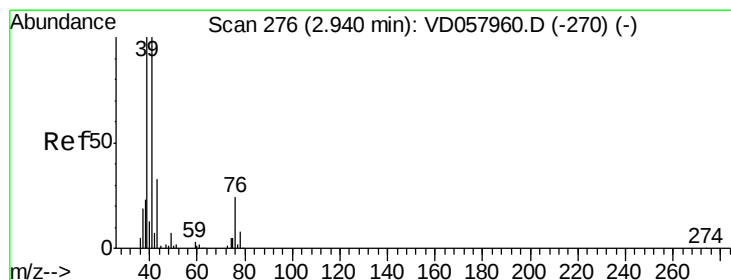
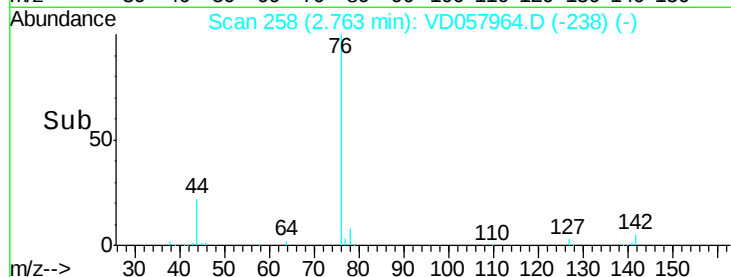
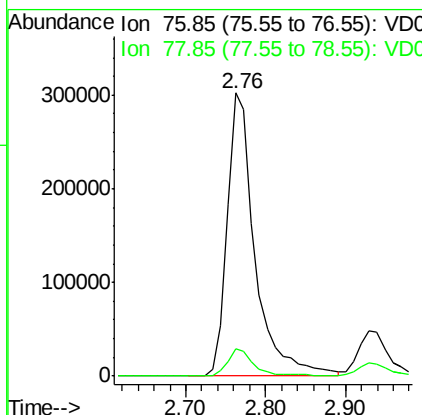
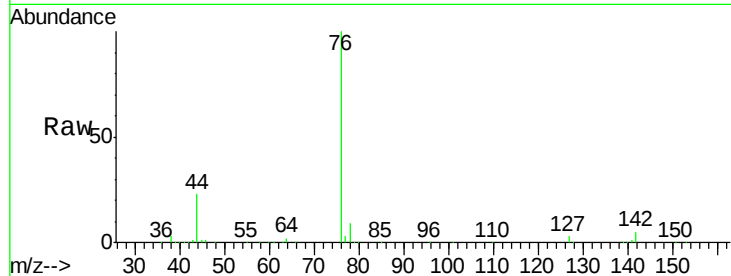




#17
Carbon Disulfide
Concen: 51.91 ug/l
RT: 2.76 min Scan# 258
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

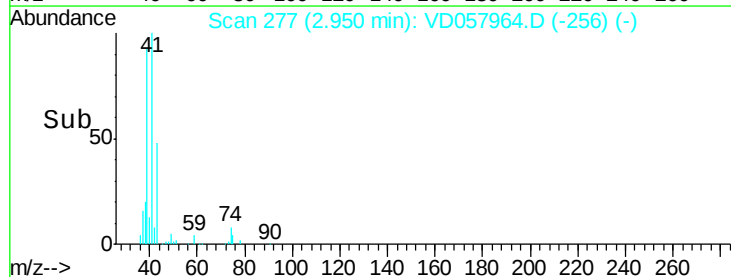
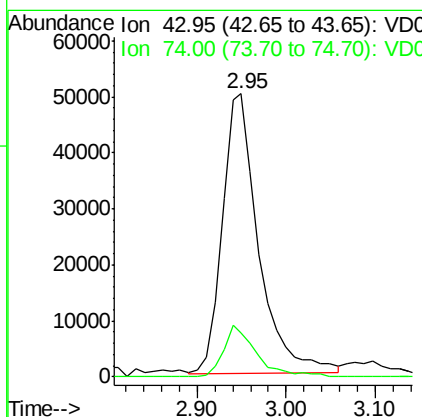
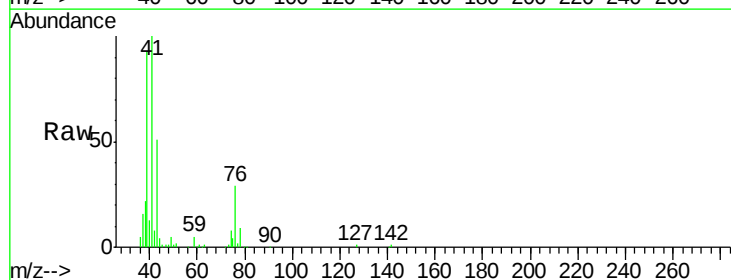
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

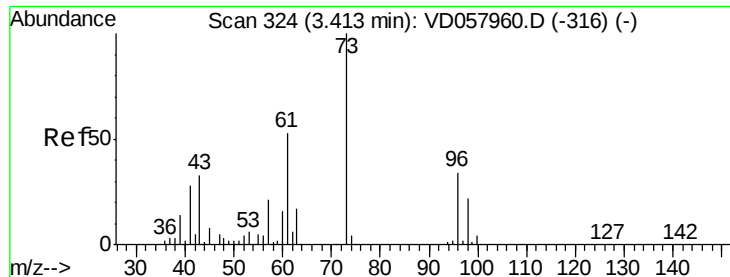
Tot Ion: 76 Resp: 740630
Ion Ratio Lower Upper
76 100
78 9.5 6.7 10.1



#18
Methyl Acetate
Concen: 51.87 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 43 Resp: 141927
Ion Ratio Lower Upper
43 100
74 15.3 11.2 16.8



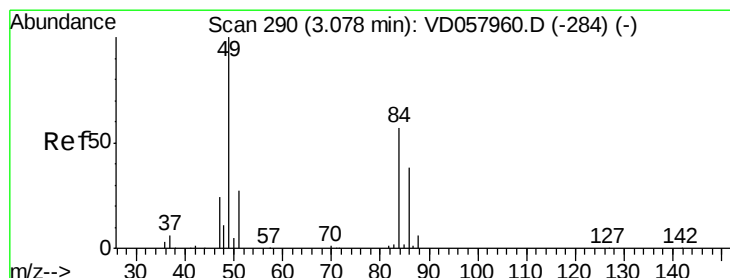
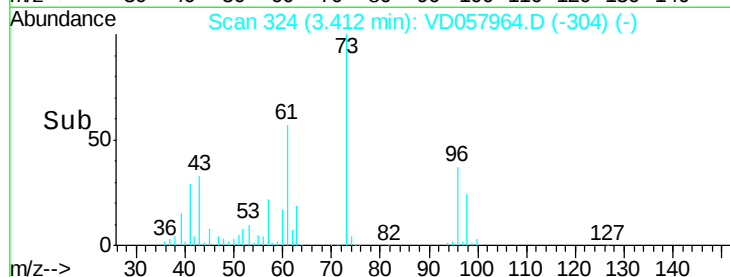
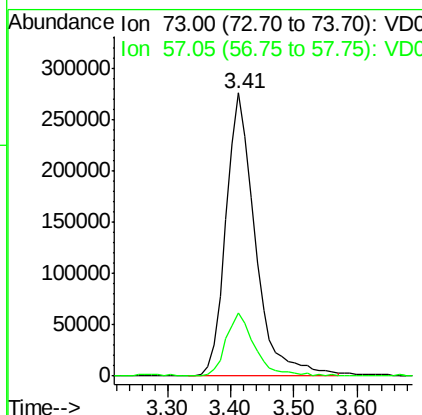
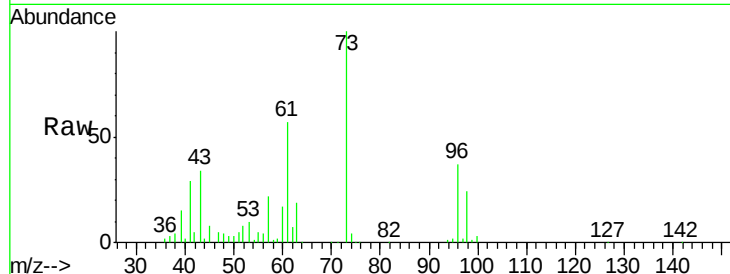


#19

Methyl tert-butyl Ether
 Concen: 51.34 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

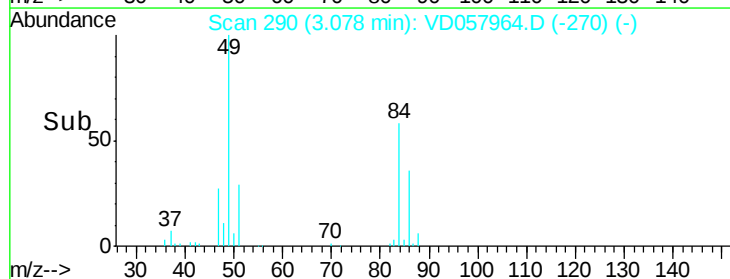
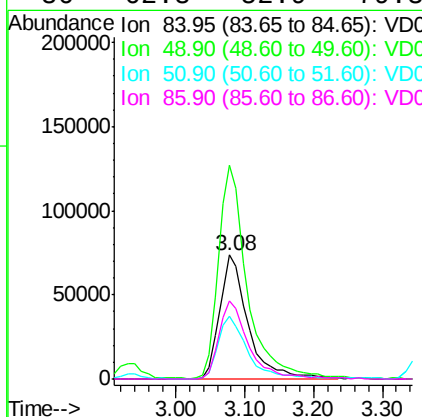
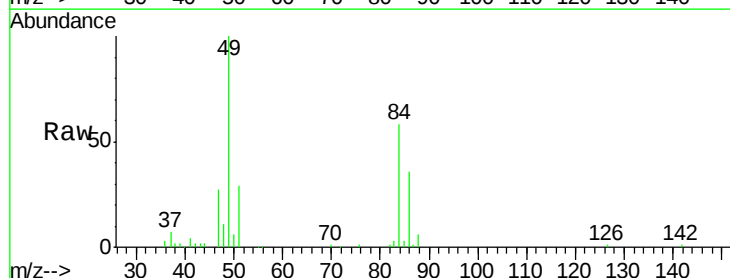
Tot Ion: 73 Resp: 889761
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.7 25.1

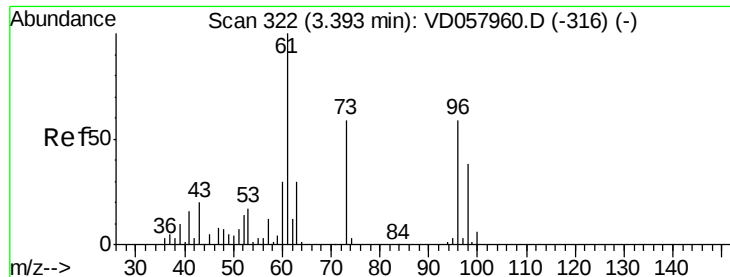


#20

Methylene Chloride
 Concen: 54.86 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion: 84 Resp: 211341
 Ion Ratio Lower Upper
 84 100
 49 172.2 141.4 212.0
 51 50.6 38.3 57.5
 86 62.8 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 48.45 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

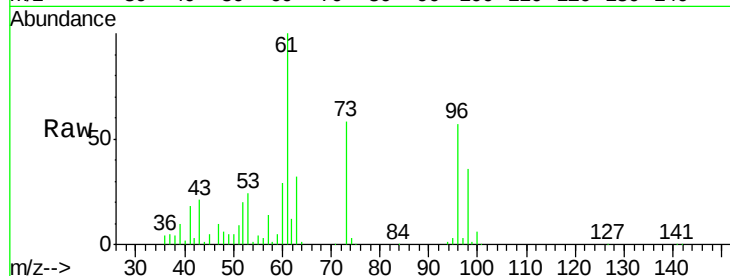
Tot Ion: 96 Resp: 425025

Ion Ratio Lower Upper

96 100

61 176.0 135.2 202.8

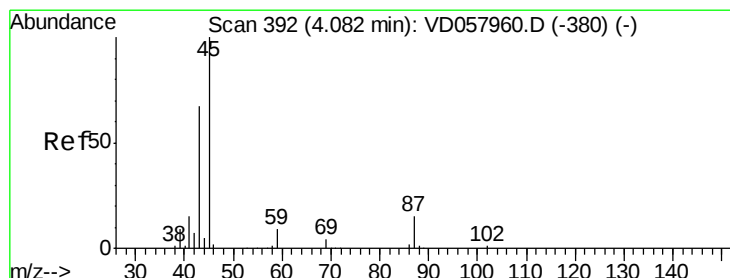
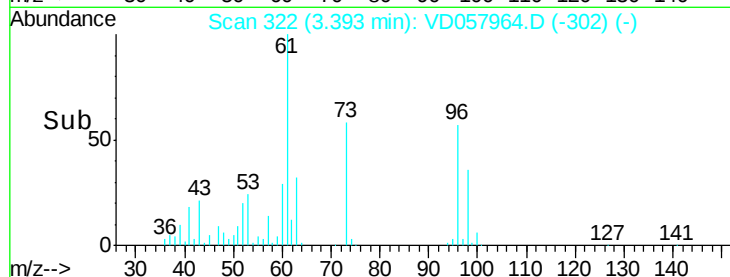
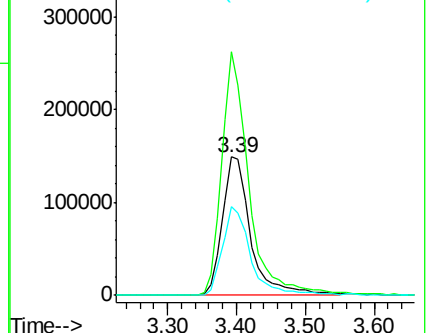
98 63.7 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.20 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Tgt Ion: 45 Resp: 1806876

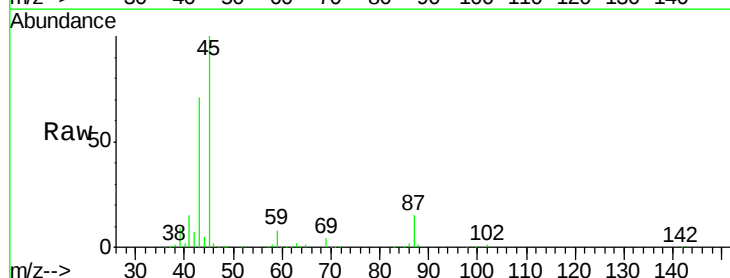
Ion Ratio Lower Upper

45 100

43 70.8 53.8 80.8

87 15.5 12.5 18.7

59 8.2 7.3 10.9

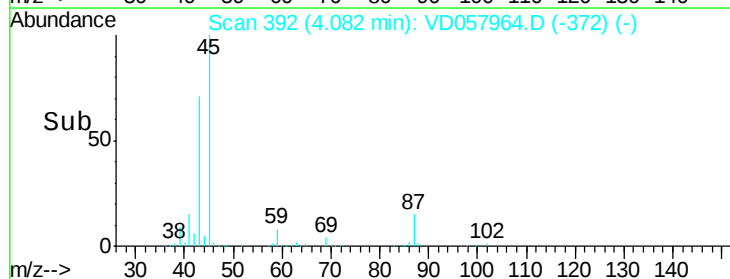
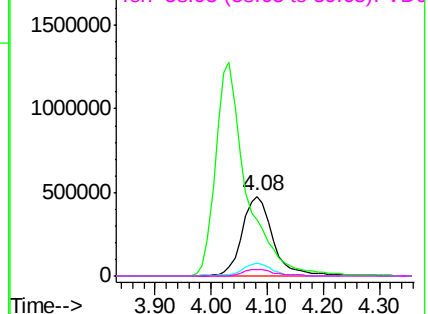


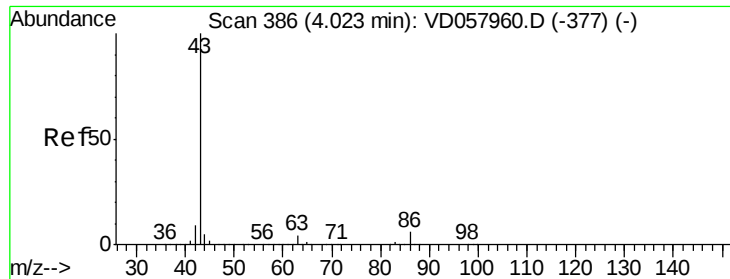
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 261.27 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

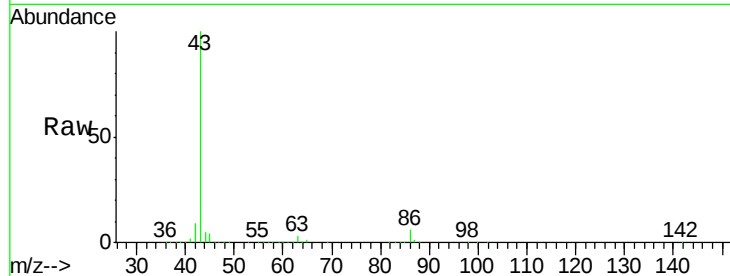
ICVVD060618

Tot Ion: 43 Resp: 4858754

Ion Ratio Lower Upper

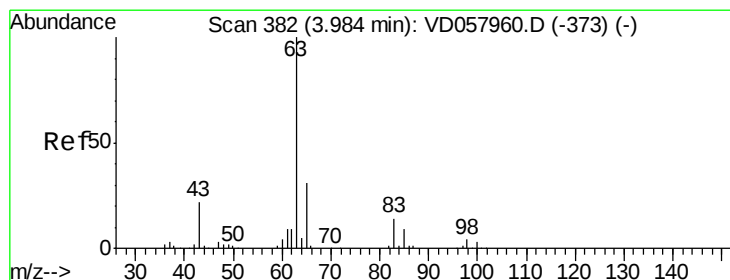
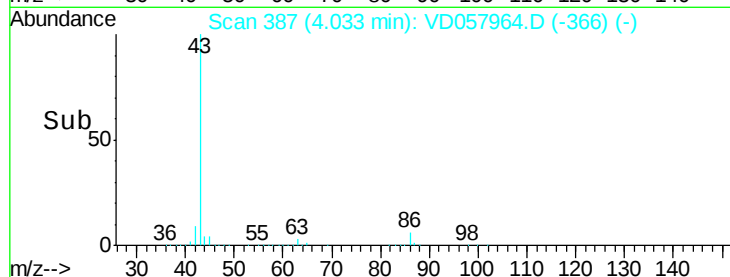
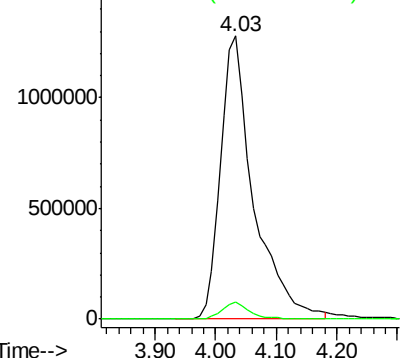
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.12 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

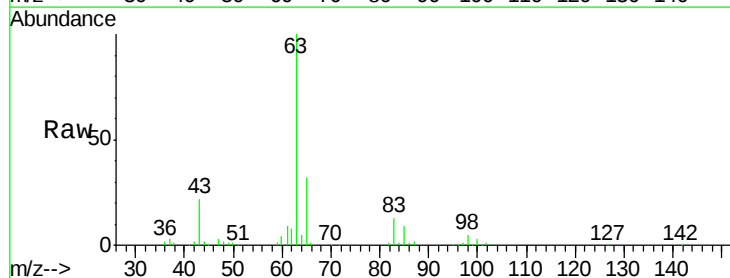
Tgt Ion: 63 Resp: 951836

Ion Ratio Lower Upper

63 100

98 5.0 2.0 5.8

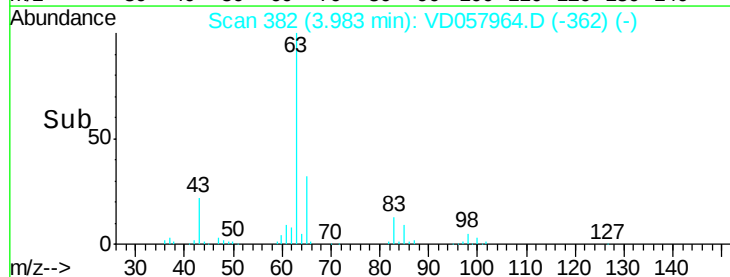
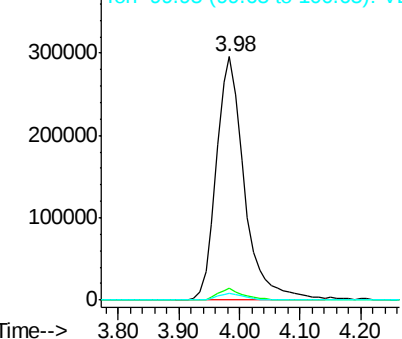
100 2.7 1.4 4.2

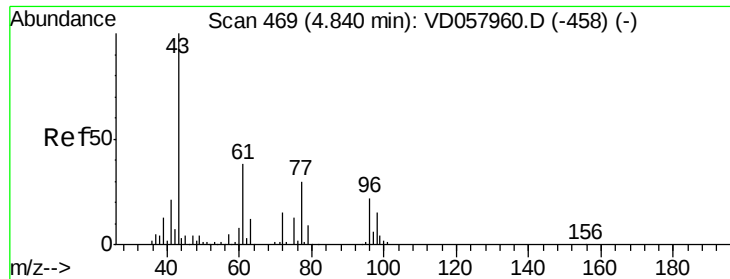


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 256.58 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

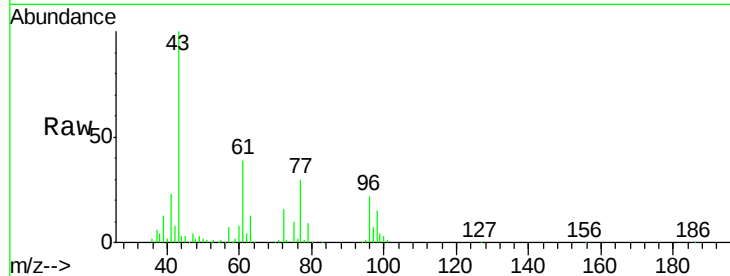
ICVVD060618

Tot Ion: 43 Resp: 824788

Ion Ratio Lower Upper

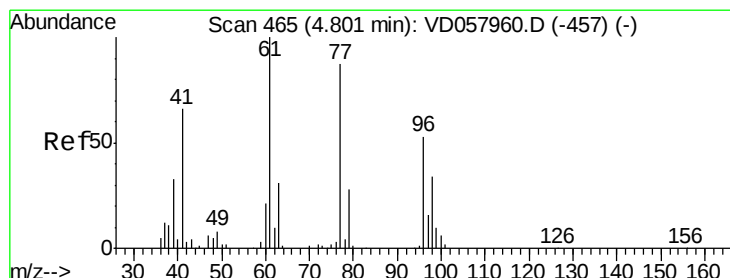
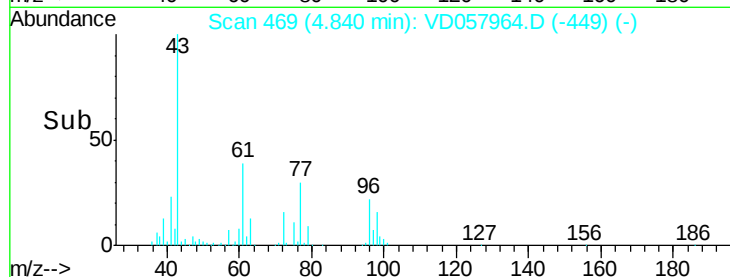
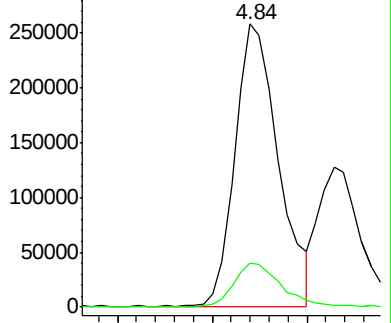
43 100

72 15.6 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.86 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD057964.D

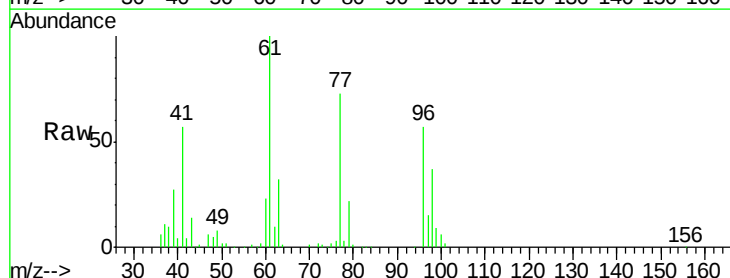
Acq: 6 Jun 2018 21:39

Tgt Ion: 77 Resp: 763536

Ion Ratio Lower Upper

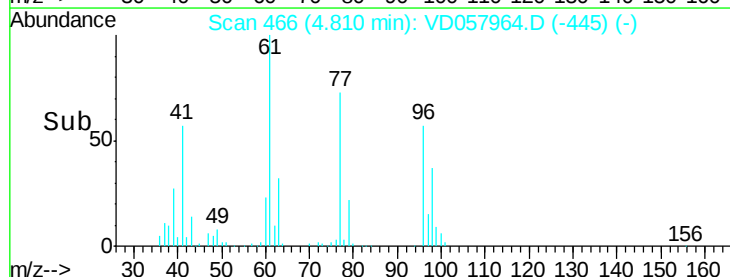
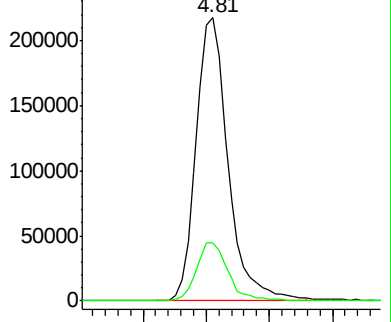
77 100

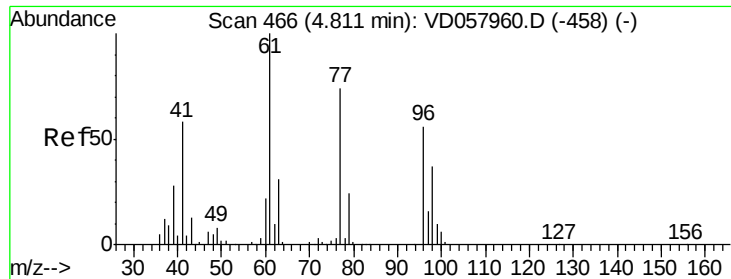
97 20.4 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.46 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

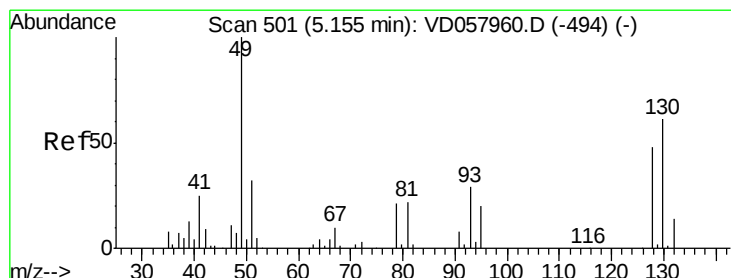
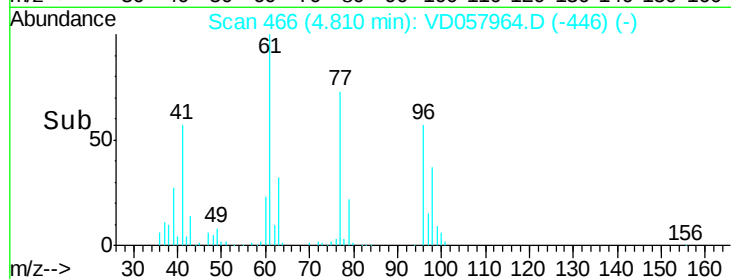
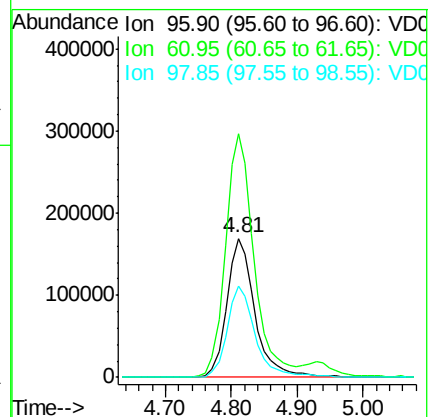
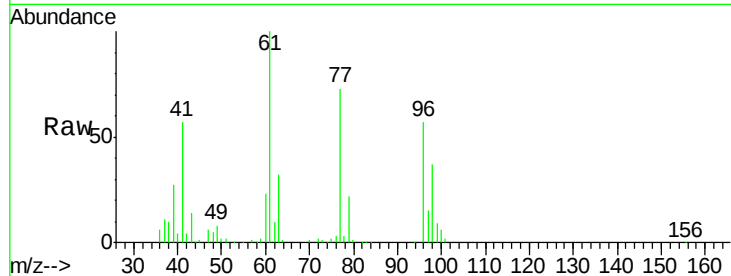
Tot Ion: 96 Resp: 504210

Ion Ratio Lower Upper

96 100

61 174.9 0.0 355.0

98 65.2 0.0 129.6



#28

Bromochloromethane

Concen: 51.33 ug/l

RT: 5.15 min Scan# 501

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

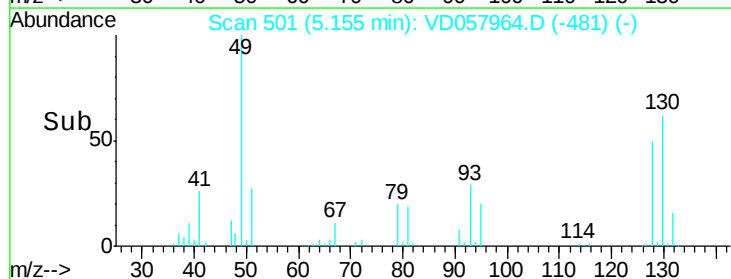
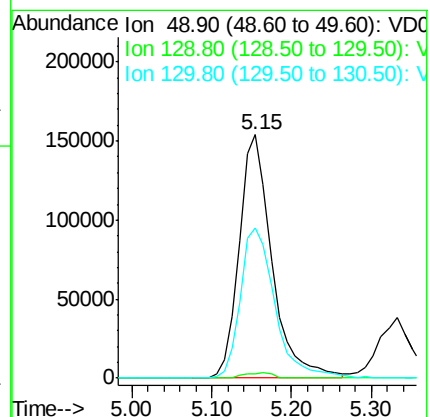
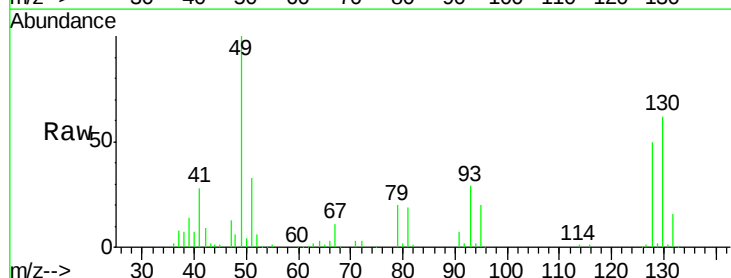
Tgt Ion: 49 Resp: 439463

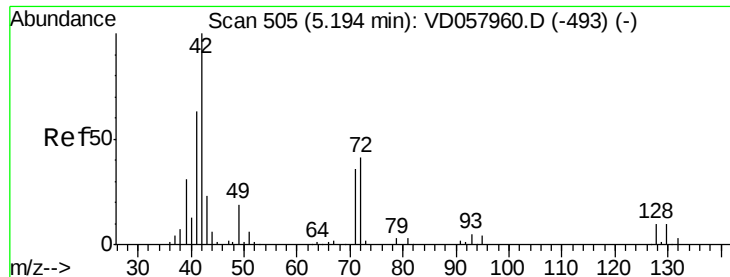
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

130 61.9 48.8 73.2

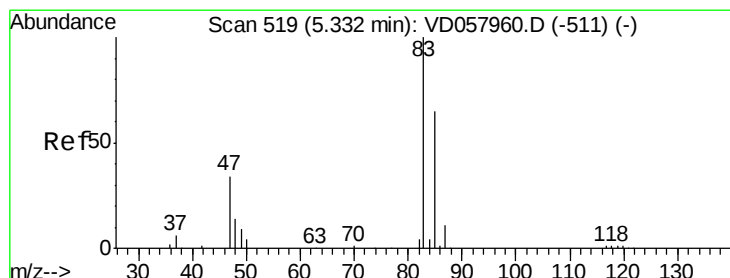
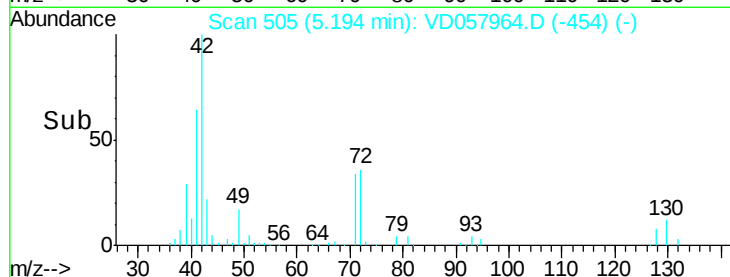
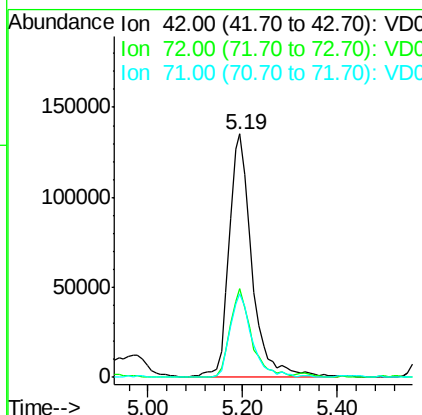
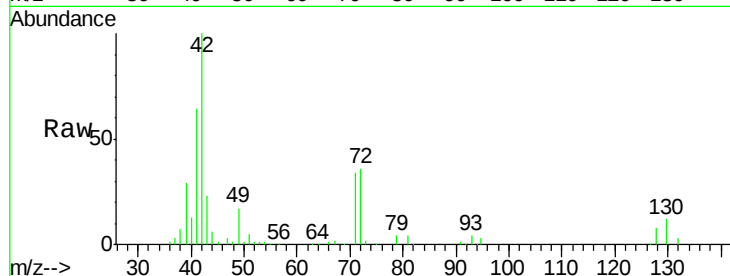




#29
Tetrahydrofuran
Concen: 264.08 ug/l
RT: 5.19 min Scan# 505
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

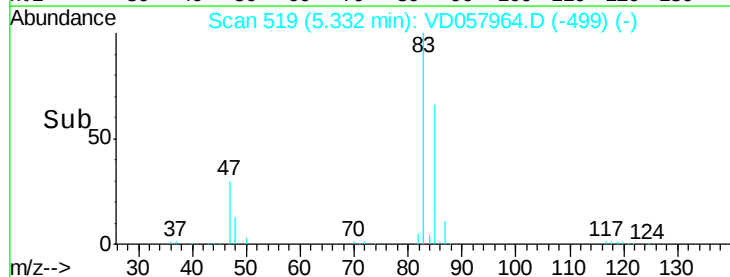
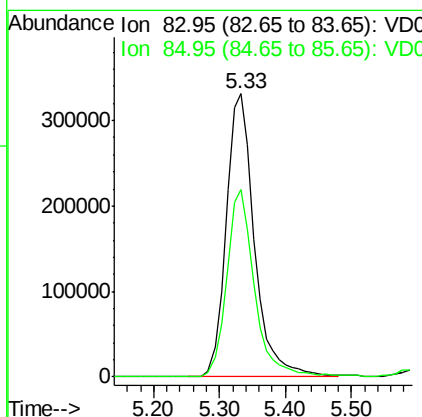
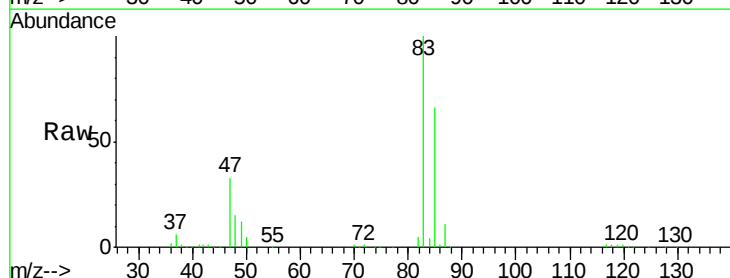
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

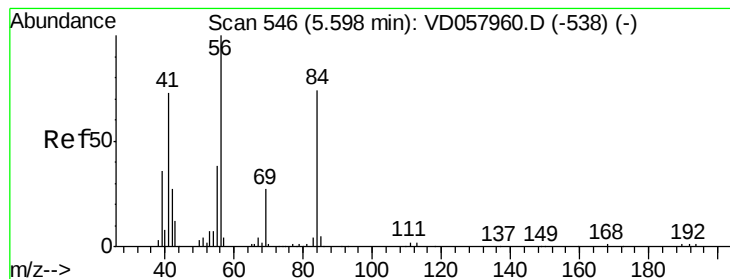
Tot Ion: 42 Resp: 444993
Ion Ratio Lower Upper
42 100
72 34.2 28.5 42.7
71 33.9 27.9 41.9



#30
Chloroform
Concen: 49.85 ug/l
RT: 5.33 min Scan# 519
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 83 Resp: 992522
Ion Ratio Lower Upper
83 100
85 66.4 51.6 77.4





#31

Cvclohexane

Concen: 43.67 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

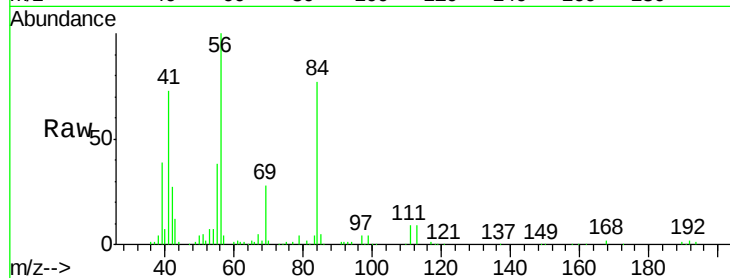
Tot Ion: 56 Resp: 745550

Ion Ratio Lower Upper

56 100

69 27.6 21.5 32.3

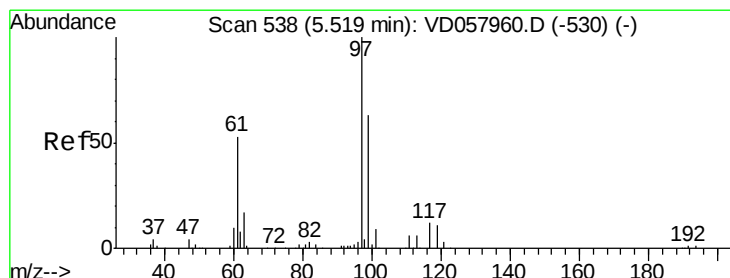
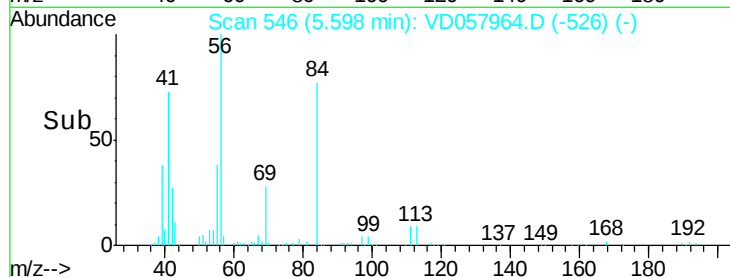
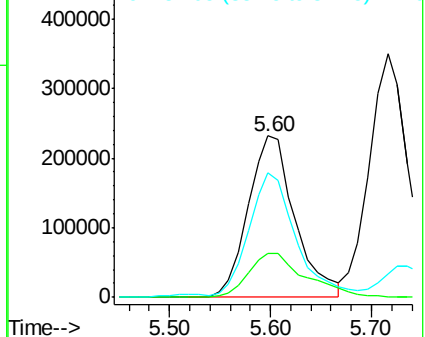
84 77.0 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 48.74 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

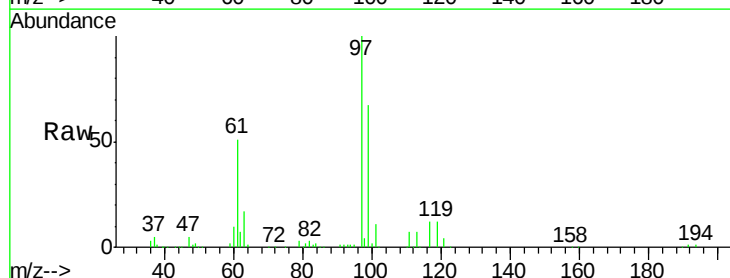
Tgt Ion: 97 Resp: 812483

Ion Ratio Lower Upper

97 100

99 67.1 50.1 75.1

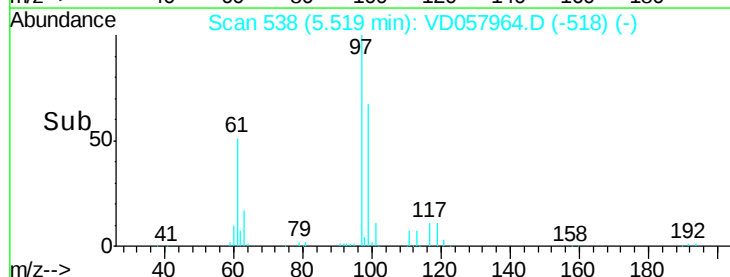
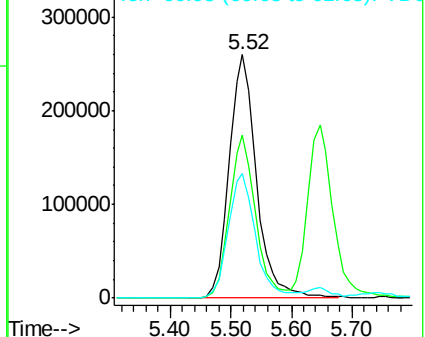
61 50.9 42.2 63.4

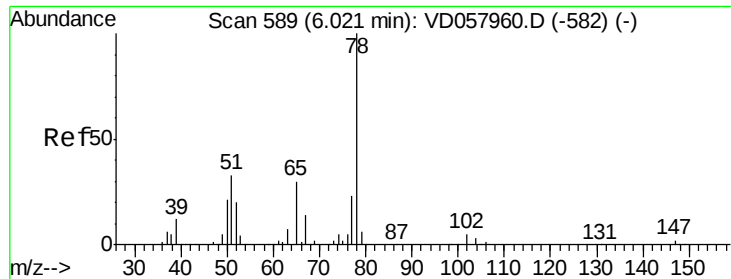


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.74 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

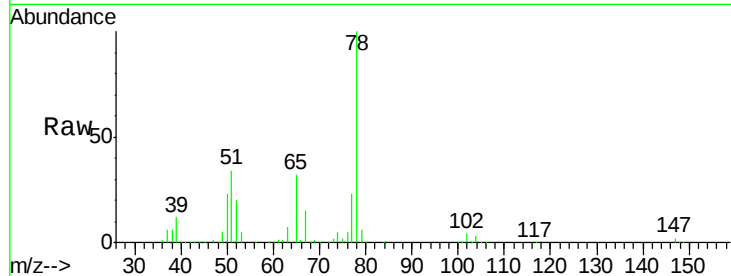
ICVVD060618

Tot Ion: 65 Resp: 466150

Ion Ratio Lower Upper

65 100

67 45.9 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

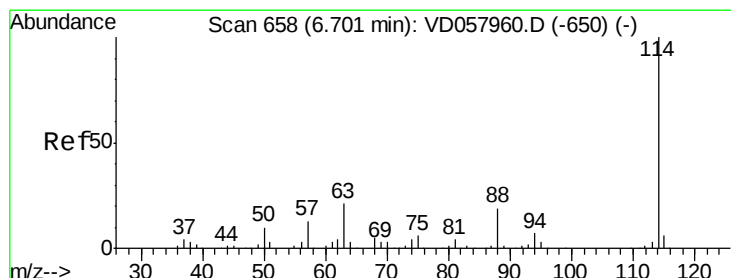
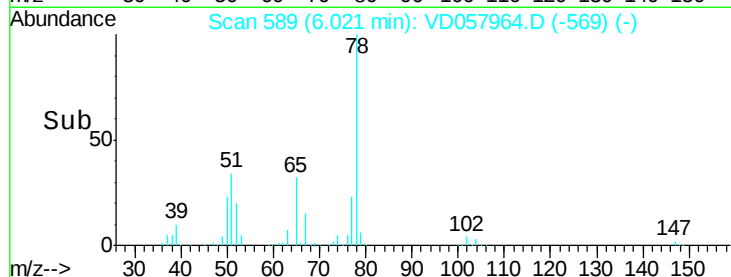
100000

50000

0

6.02

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

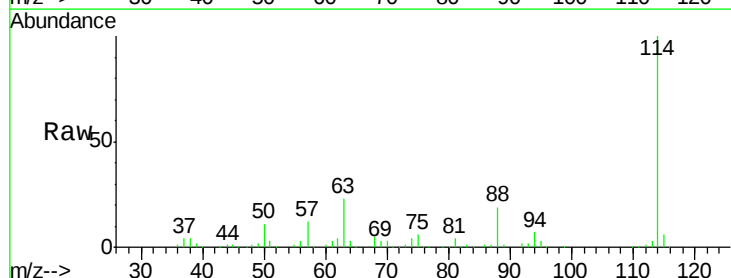
Tgt Ion: 114 Resp: 1318387

Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.8

88 19.5 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

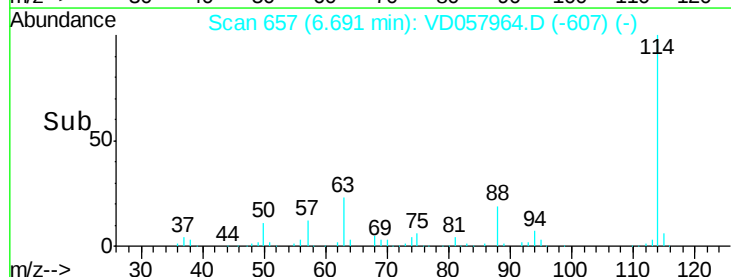
400000

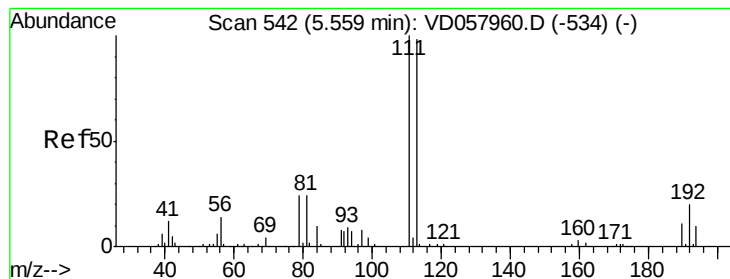
200000

0

6.69

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

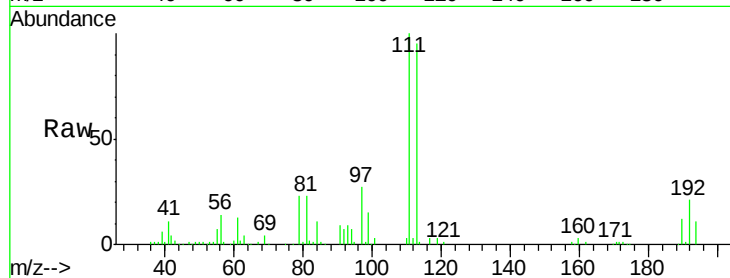
Tot Ion:113 Resp: 483976

Ion Ratio Lower Upper

113 100

111 105.0 81.5 122.3

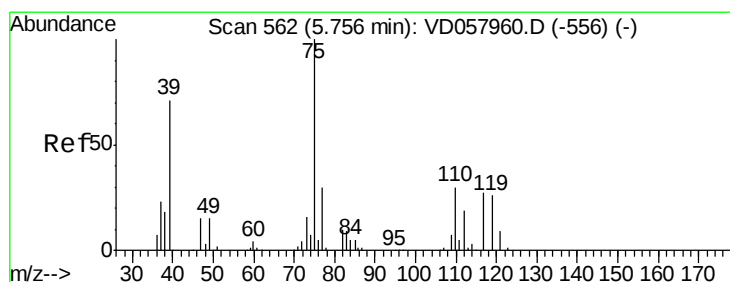
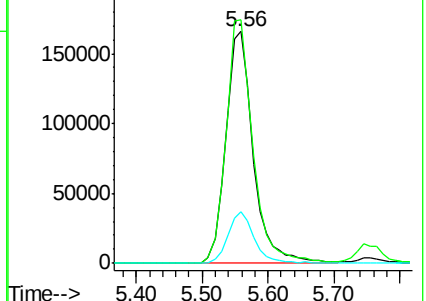
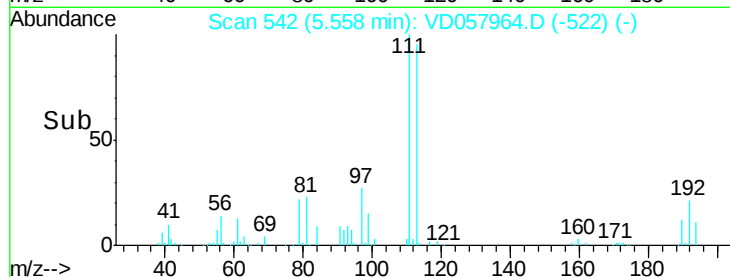
192 22.1 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.81 ug/l

RT: 5.76 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

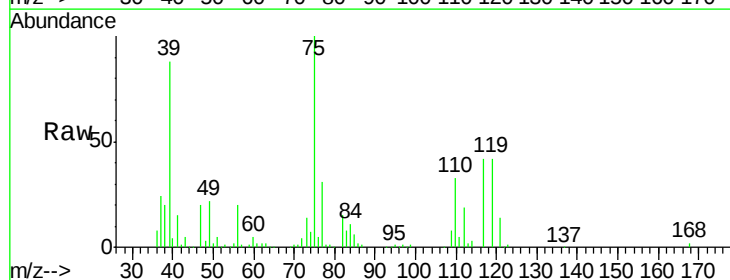
Tgt Ion: 75 Resp: 679890

Ion Ratio Lower Upper

75 100

110 32.5 14.8 44.3

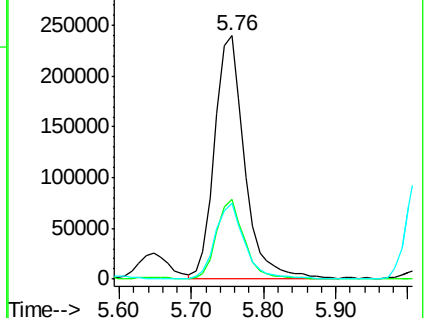
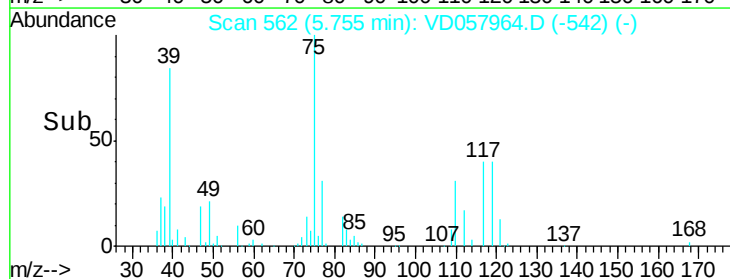
77 31.1 23.9 35.9

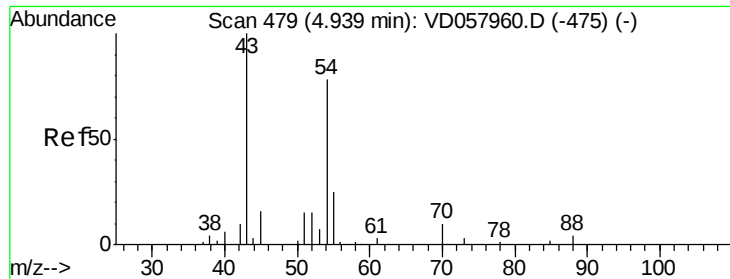


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

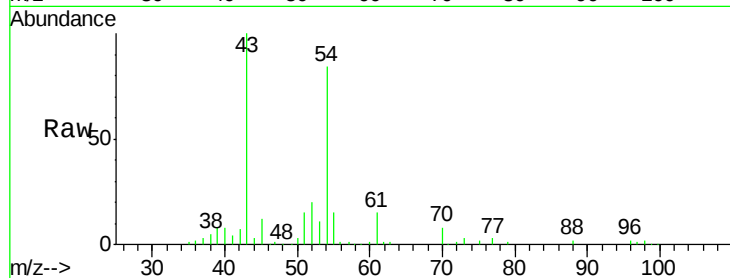




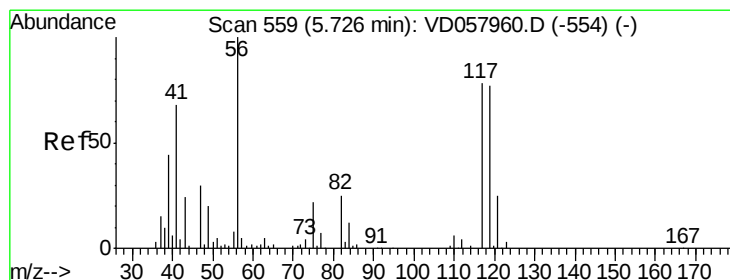
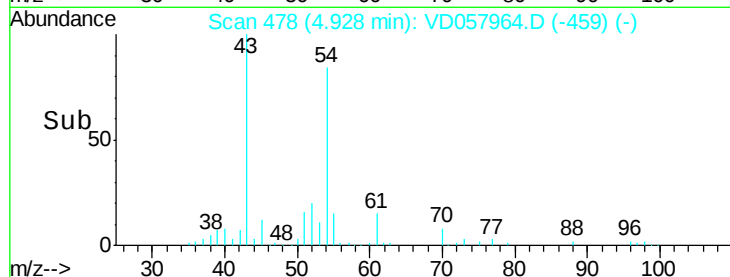
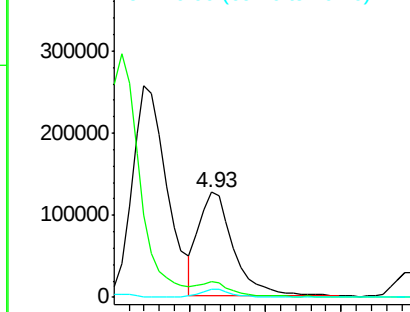
#37
Ethyl Acetate
Concen: 51.22 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

Tot Ion: 43 Resp: 405922
Ion Ratio Lower Upper
43 100
61 15.1 9.9 14.9#
70 7.9 5.7 8.5

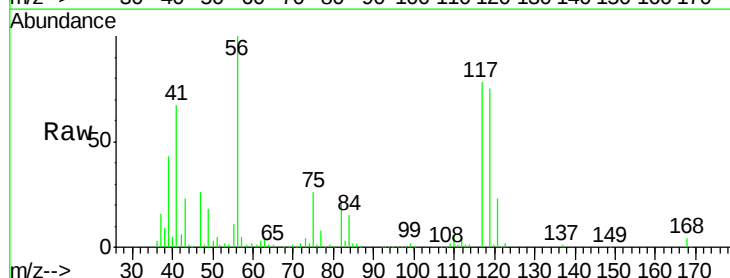


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

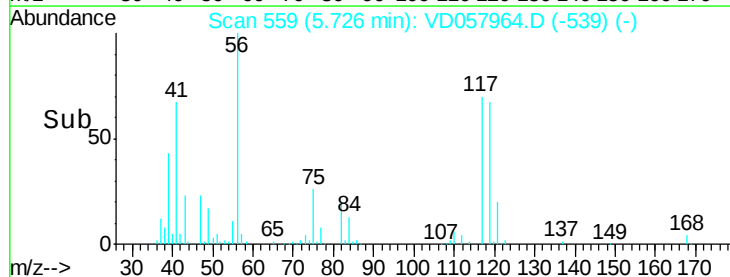
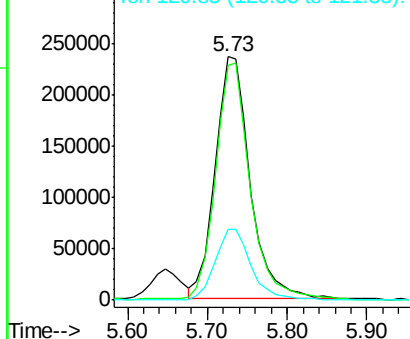


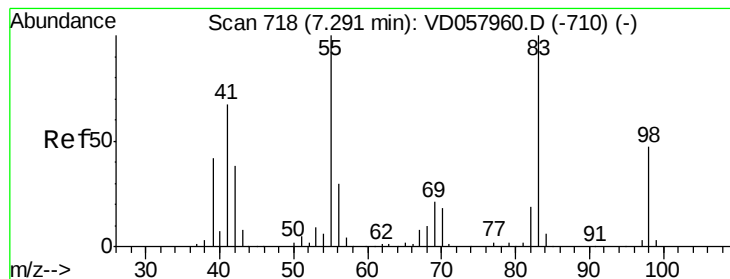
#38
Carbon Tetrachloride
Concen: 50.68 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 117 Resp: 725474
Ion Ratio Lower Upper
117 100
119 96.6 76.1 114.1
121 29.1 24.9 37.3



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





#39

Methvlcvclohexane

Concen: 47.65 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

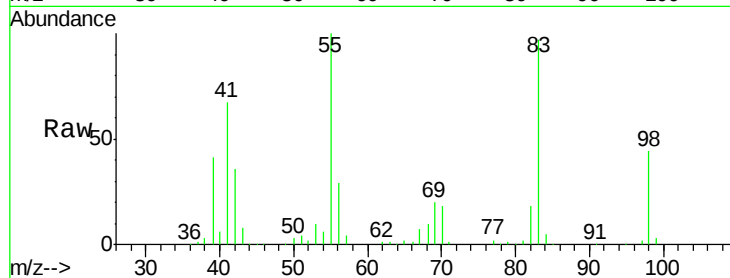
Tot Ion: 83 Resp: 686179

Ion Ratio Lower Upper

83 100

55 103.1 80.3 120.5

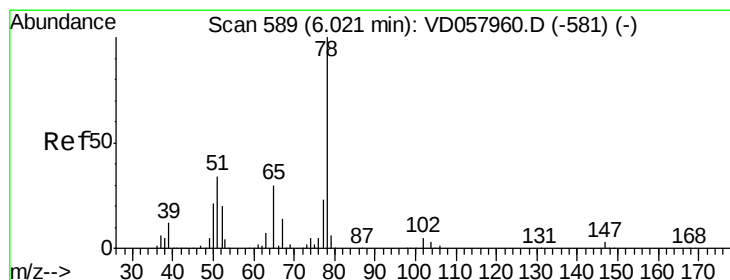
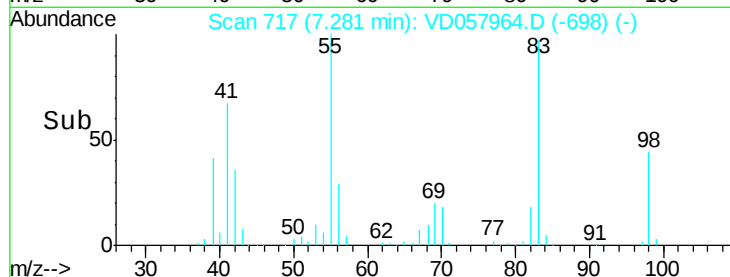
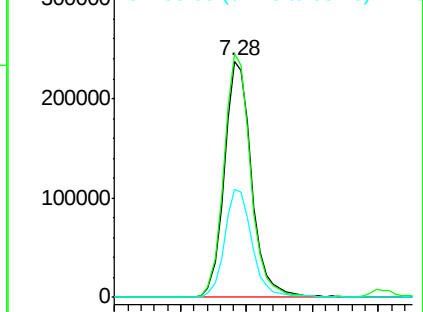
98 45.5 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 46.34 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057964.D

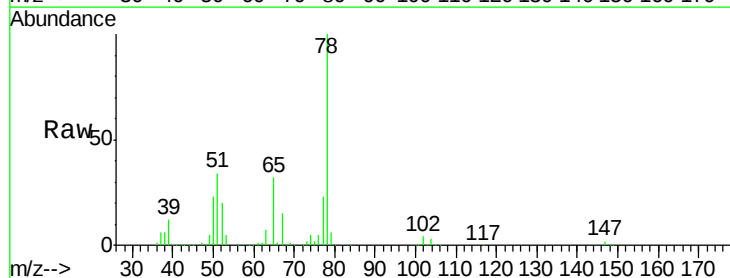
Acq: 6 Jun 2018 21:39

Tgt Ion: 78 Resp: 1572475

Ion Ratio Lower Upper

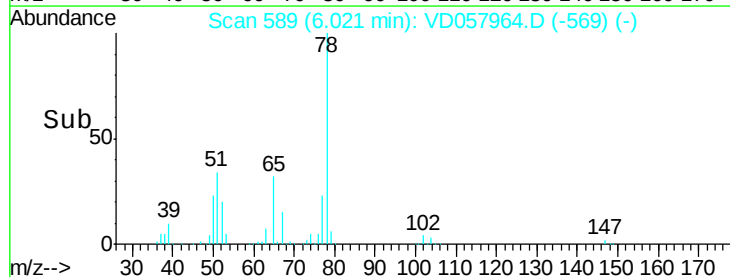
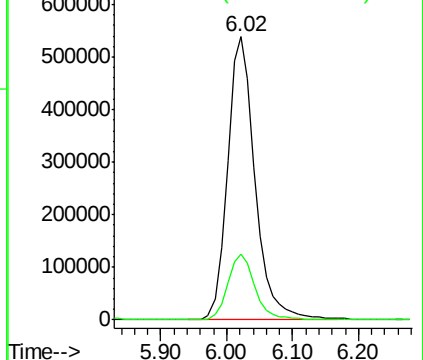
78 100

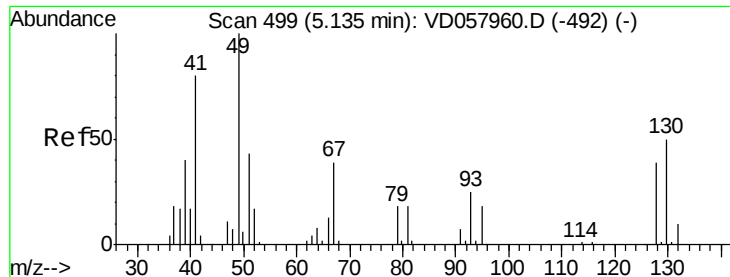
77 23.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

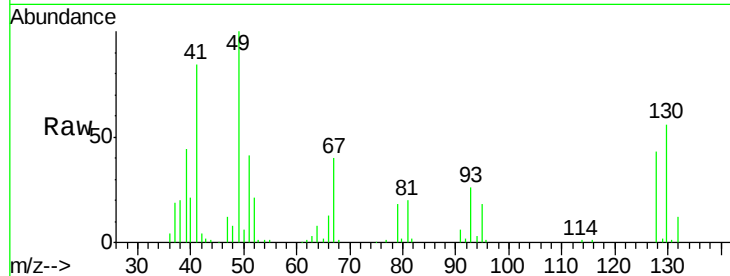




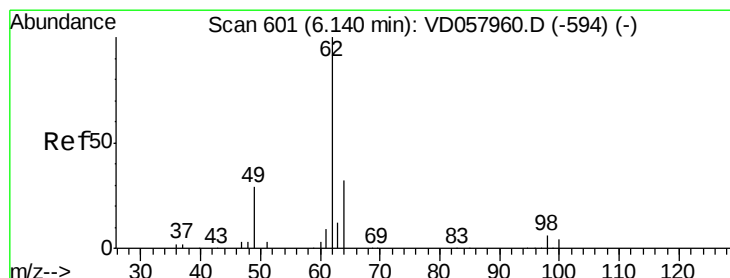
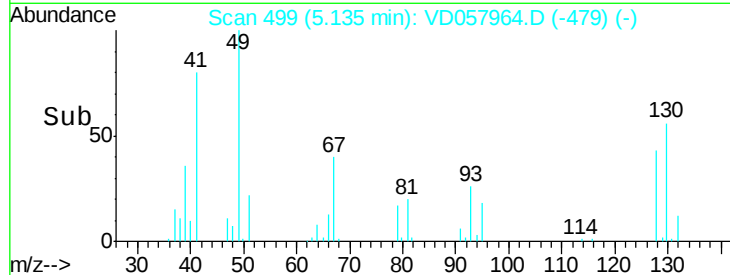
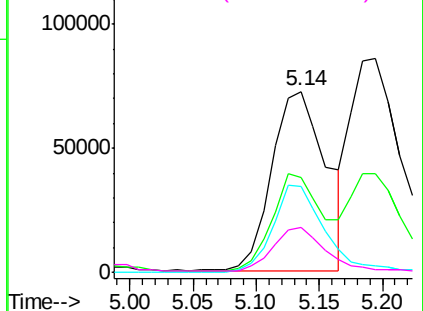
#41
Methacrylonitrile
Concen: 60.22 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampled :
ICVVD060618

Tot Ion: 41 Resp: 218245
Ion Ratio Lower Upper
41 100
39 52.1 40.7 61.1
67 47.6 38.8 58.2
52 24.8 17.3 25.9

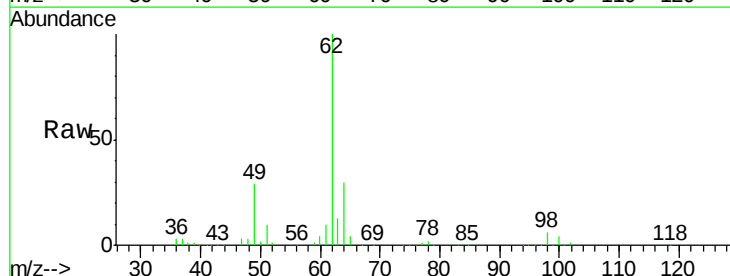


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

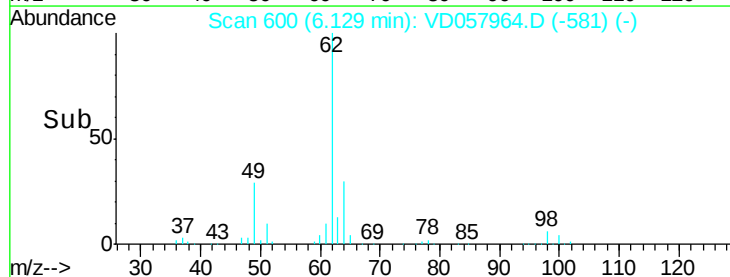
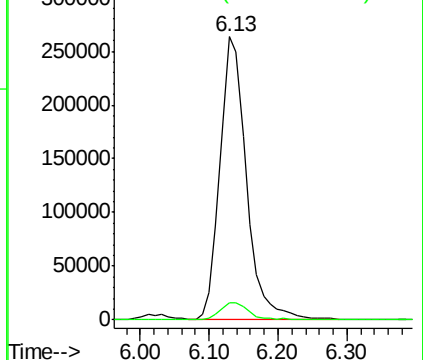


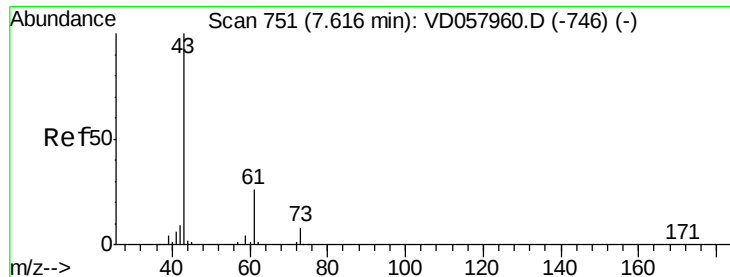
#42
1,2-Dichloroethane
Concen: 50.84 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 62 Resp: 697521
Ion Ratio Lower Upper
62 100
98 5.8 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 51.68 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

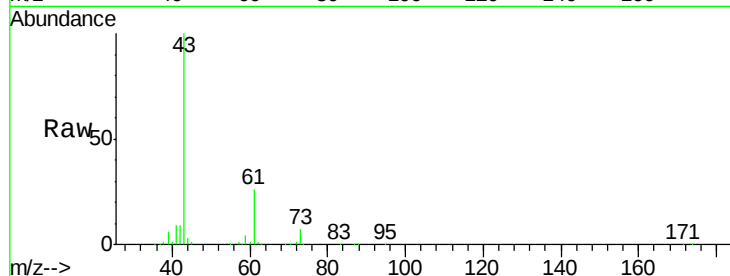
Tot Ion: 43 Resp: 536498

Ion Ratio Lower Upper

43 100

61 25.7 20.6 30.8

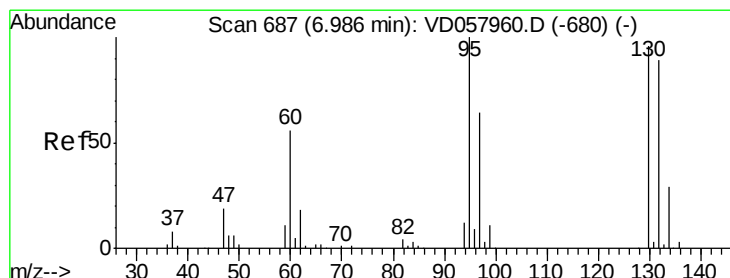
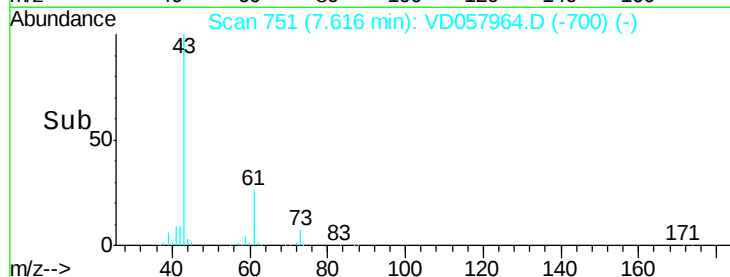
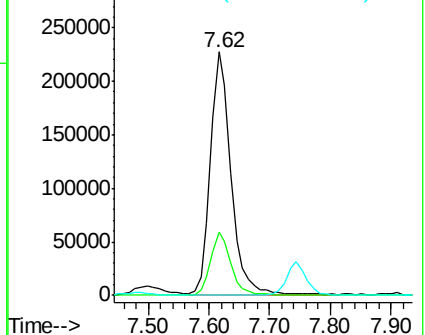
87 0.2 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.35 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD057964.D

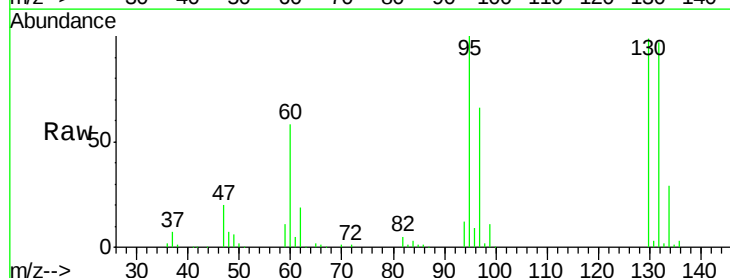
Acq: 6 Jun 2018 21:39

Tgt Ion:130 Resp: 489117

Ion Ratio Lower Upper

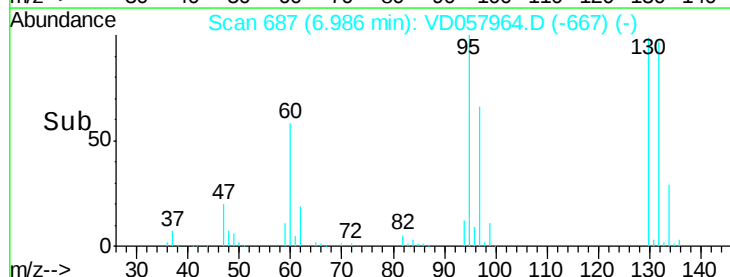
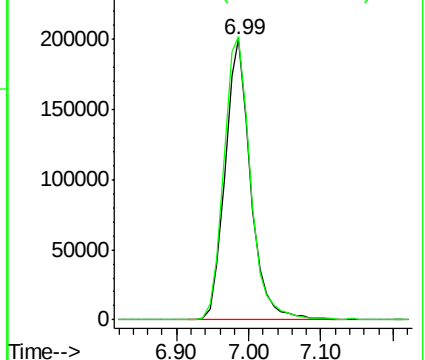
130 100

95 101.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.70 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

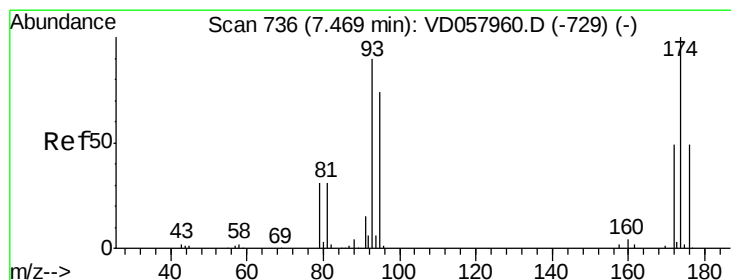
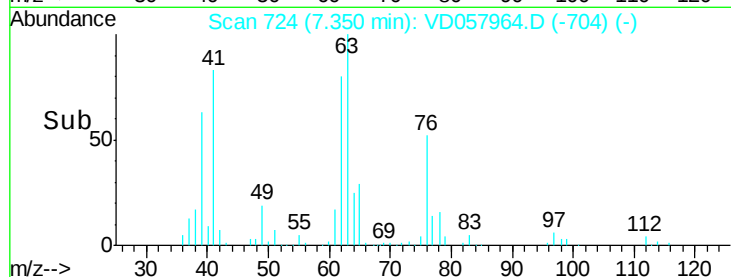
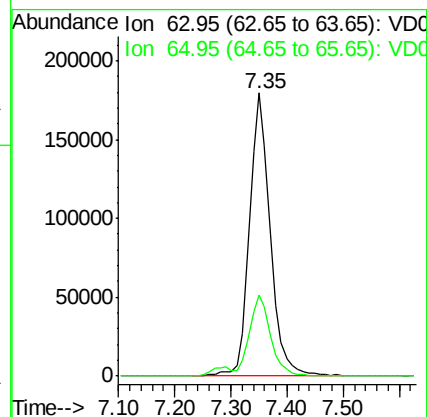
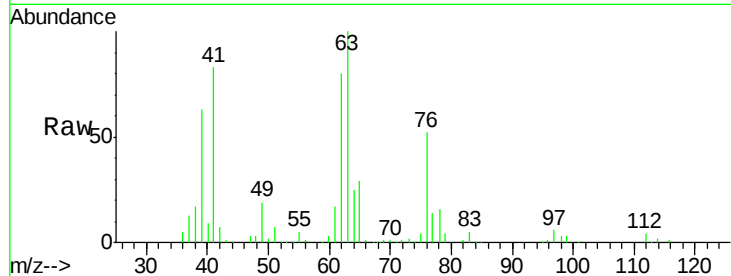
ICVVD060618

Tot Ion: 63 Resp: 459262

Ion Ratio Lower Upper

63 100

65 28.8 24.9 37.3



#46

Dibromomethane

Concen: 50.38 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

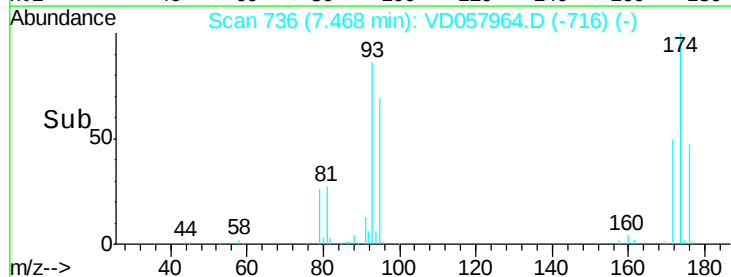
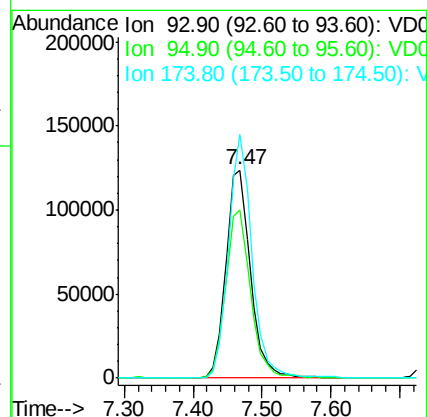
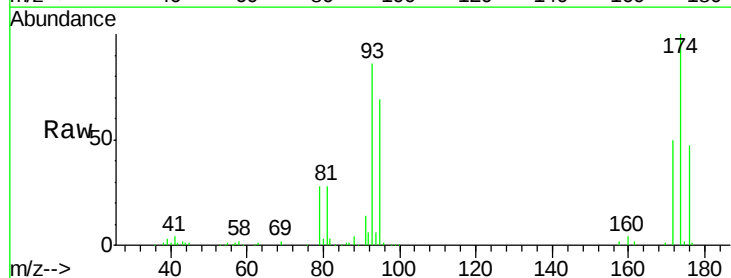
Tgt Ion: 93 Resp: 305215

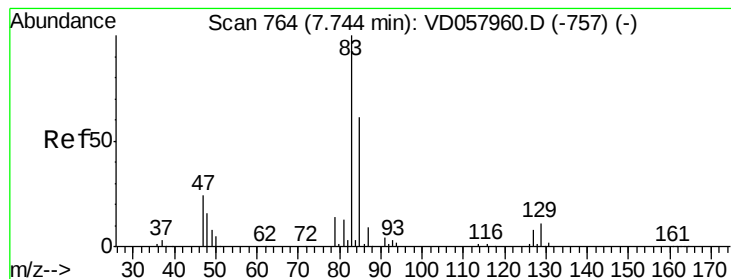
Ion Ratio Lower Upper

93 100

95 80.5 65.7 98.5

174 116.8 89.0 133.4





#47

Bromodichloromethane

Concen: 50.85 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

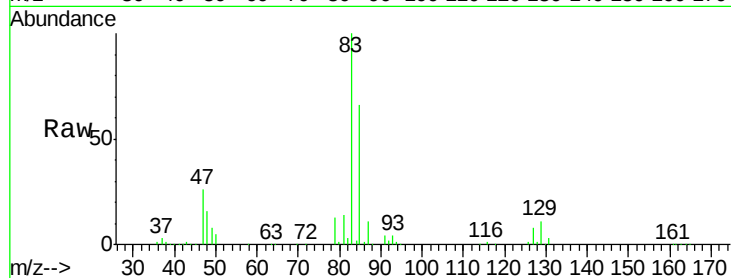
Tot Ion: 83 Resp: 721306

Ion Ratio Lower Upper

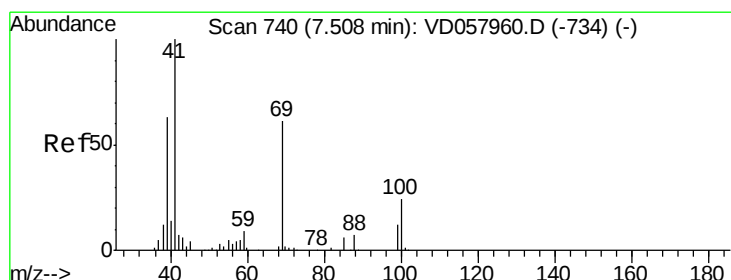
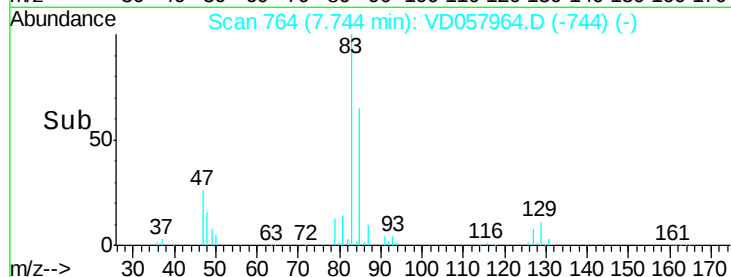
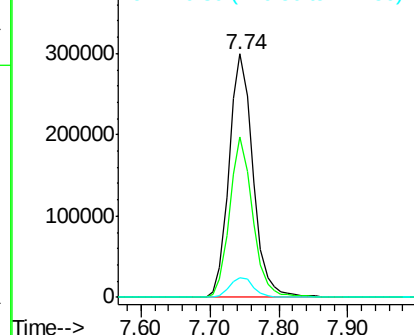
83 100

85 65.7 49.1 73.7

127 8.1 6.2 9.2



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



#48

Methyl methacrylate

Concen: 50.54 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

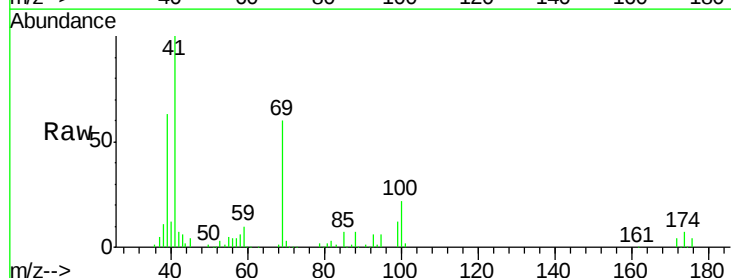
Tgt Ion: 41 Resp: 322909

Ion Ratio Lower Upper

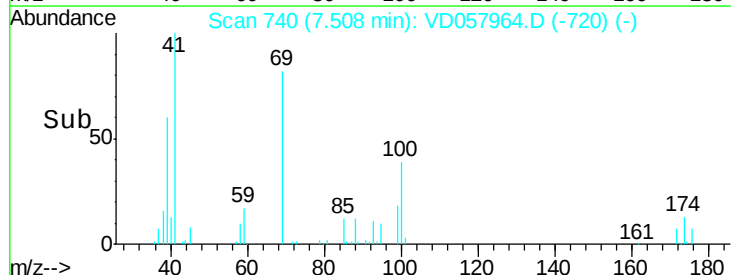
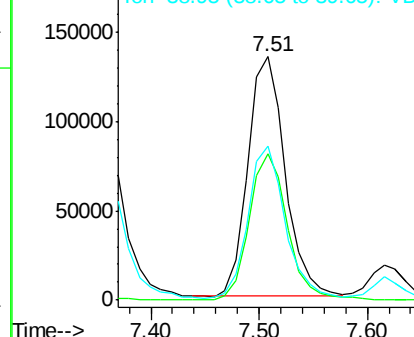
41 100

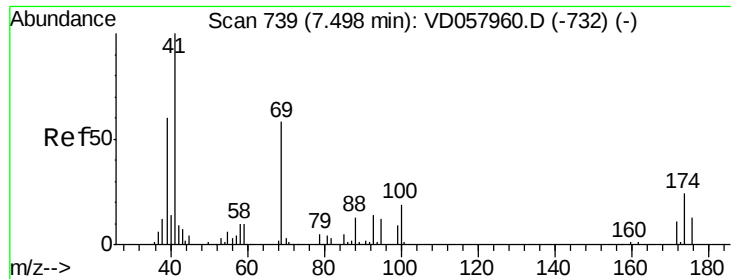
69 60.2 48.0 72.0

39 63.3 50.7 76.1



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





#49

1,4-Dioxane

Concen: 1032.66 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

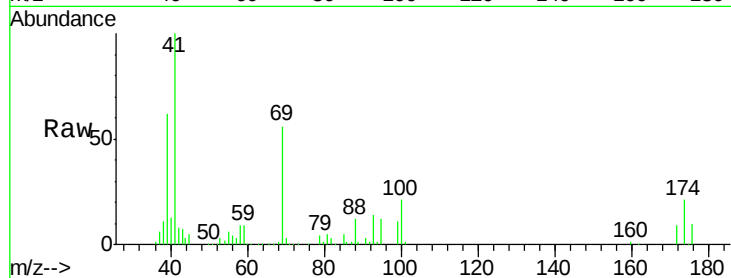
Tot Ion: 88 Resp: 54662

Ion Ratio Lower Upper

88 100

43 54.9 46.6 69.8

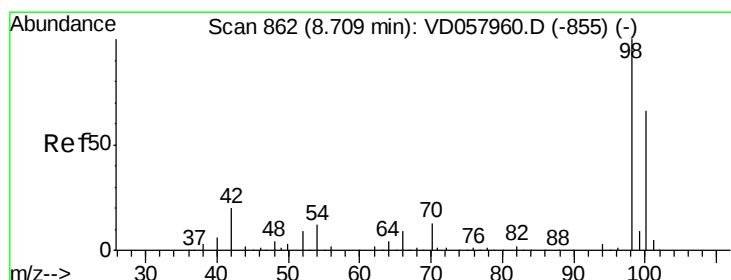
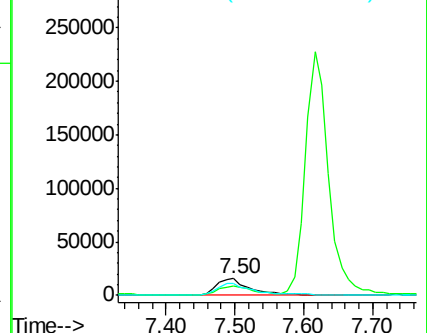
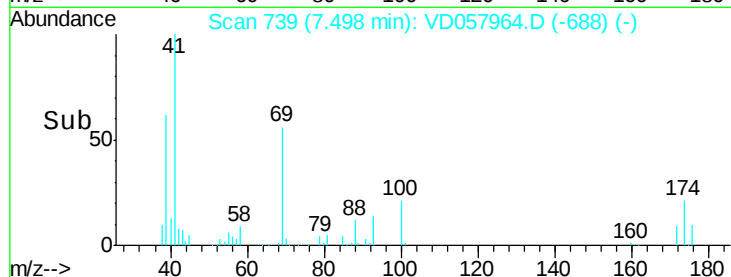
58 69.7 63.6 95.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1032.66 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD057964.D

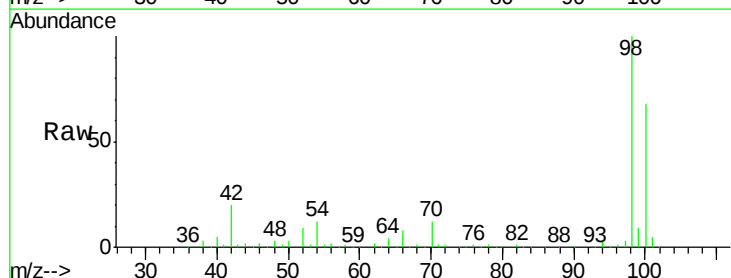
Acq: 6 Jun 2018 21:39

Tgt Ion: 98 Resp: 1157506

Ion Ratio Lower Upper

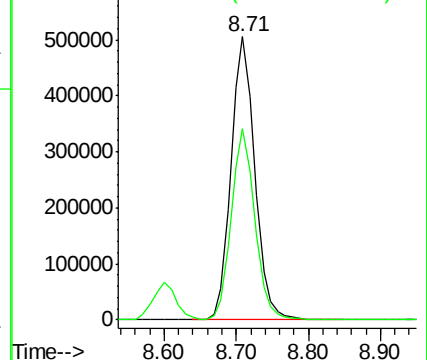
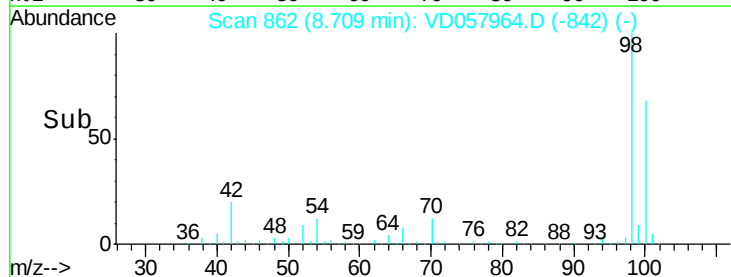
98 100

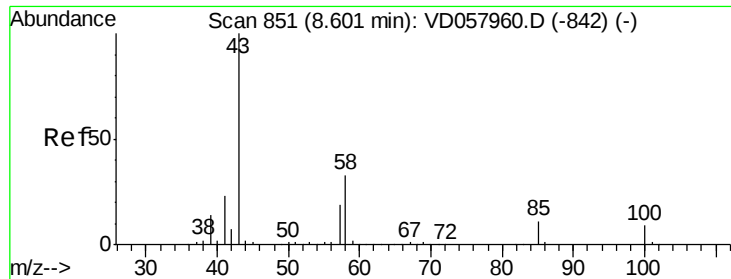
100 67.6 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 255.87 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

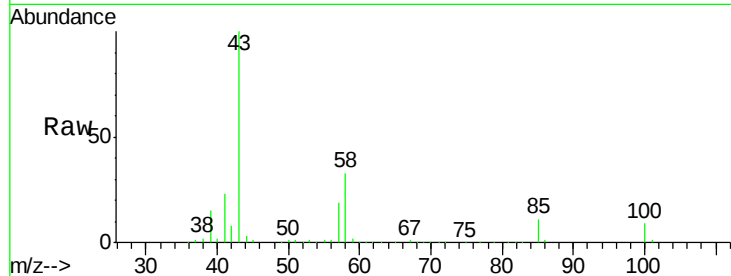
ICVVD060618

Tot Ion: 43 Resp: 1703775

Ion Ratio Lower Upper

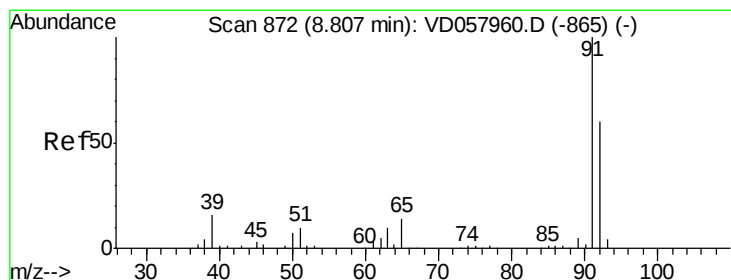
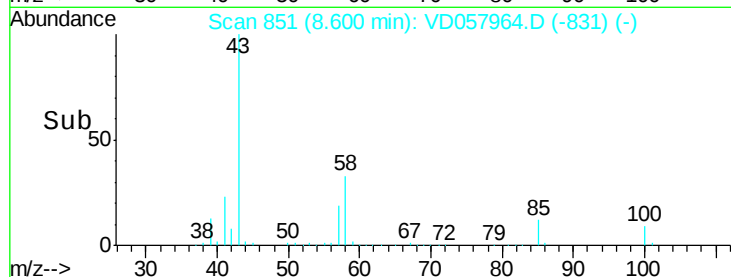
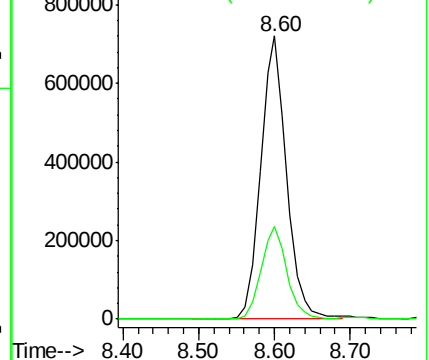
43 100

58 32.9 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.07 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD057964.D

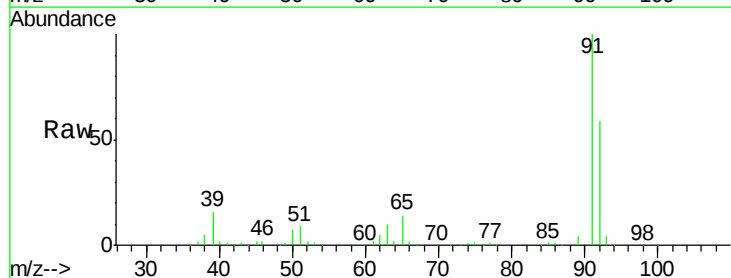
Acq: 6 Jun 2018 21:39

Tgt Ion: 92 Resp: 897091

Ion Ratio Lower Upper

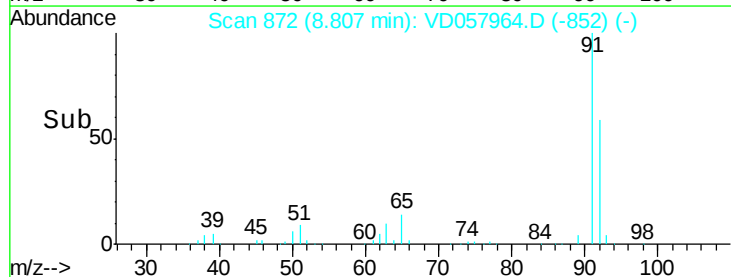
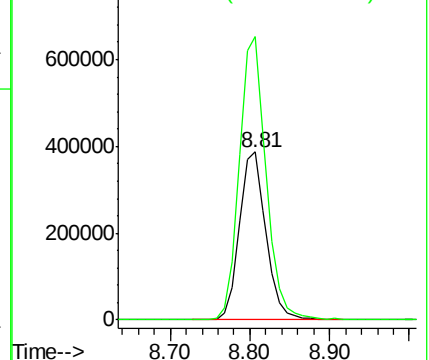
92 100

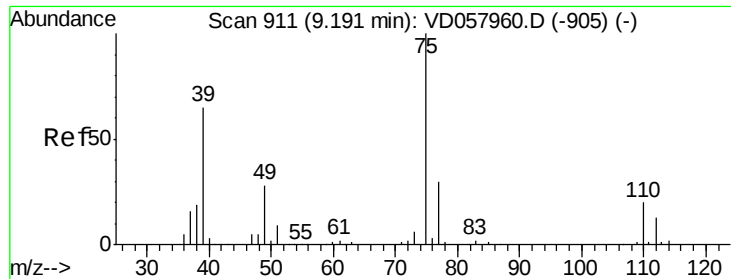
91 168.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

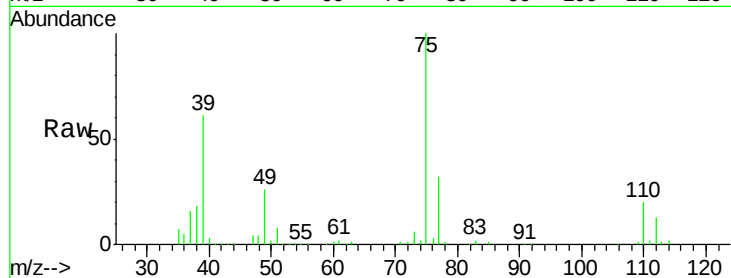




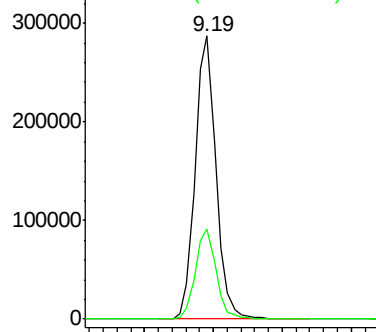
#53
 t-1,3-Dichloropropene
 Concen: 48.93 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

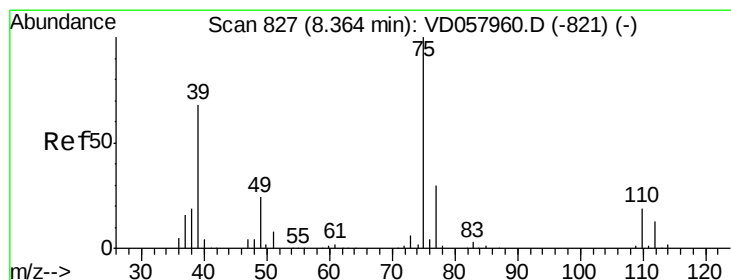
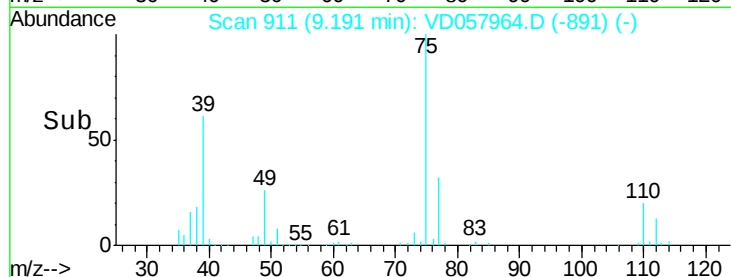
Tot Ion: 75 Resp: 597989
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.3 36.5



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

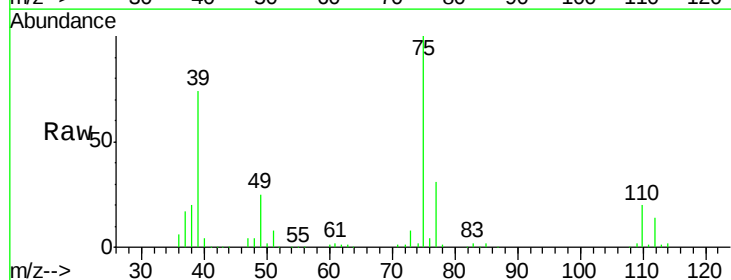


Time-->

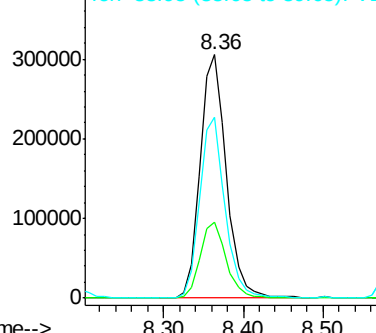


#54
 cis-1,3-Dichloropropene
 Concen: 48.82 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

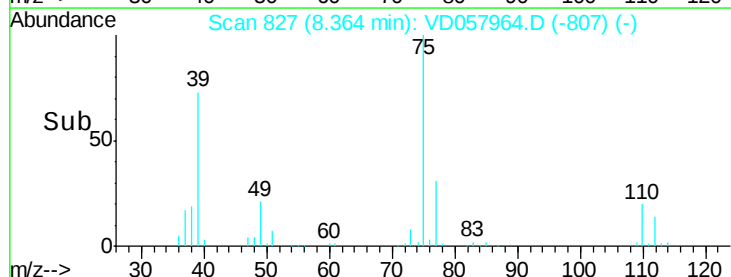
Tgt Ion: 75 Resp: 702937
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.1 36.1
 39 74.2 54.0 81.0

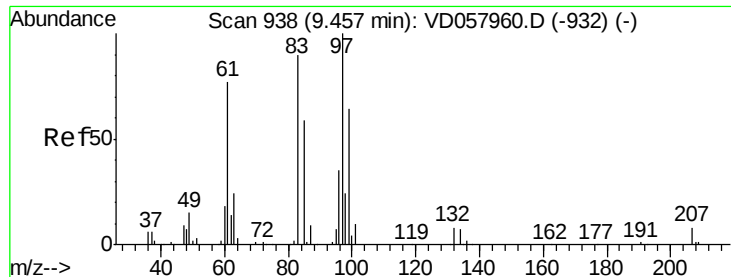


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC



Time-->





#55

1,1,2-Trichloroethane

Concen: 50.26 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

Tot Ion: 97 Resp: 316785

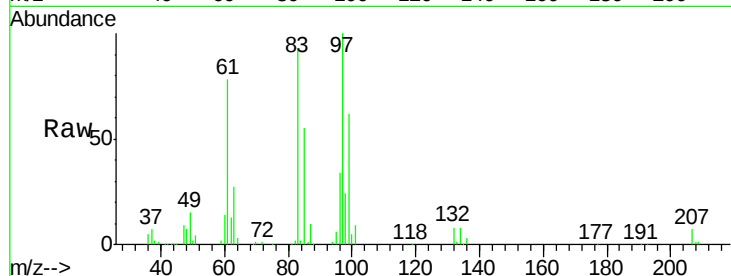
Ion Ratio Lower Upper

97 100

83 92.0 71.8 107.8

85 55.3 47.2 70.8

99 62.0 51.4 77.0

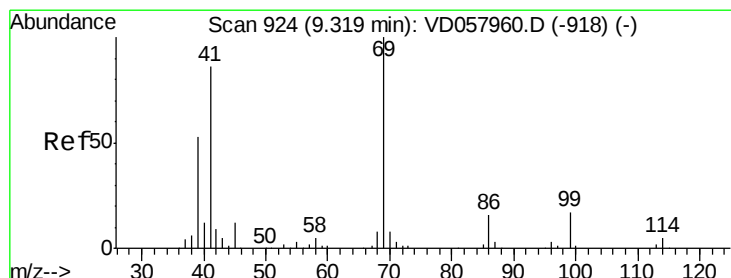
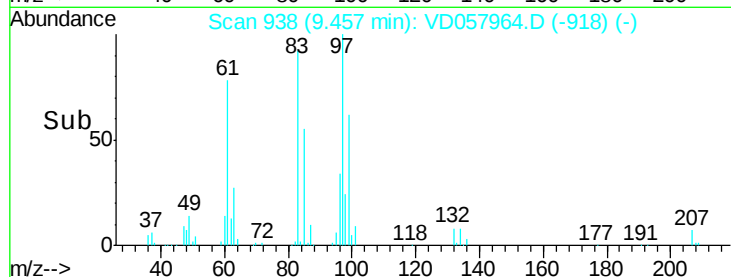
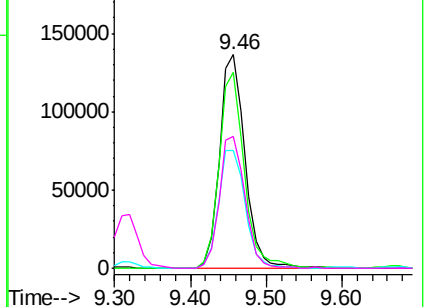


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 52.24 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

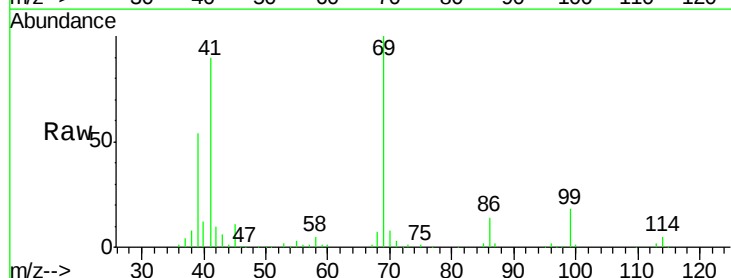
Tgt Ion: 69 Resp: 403839

Ion Ratio Lower Upper

69 100

41 89.7 68.4 102.6

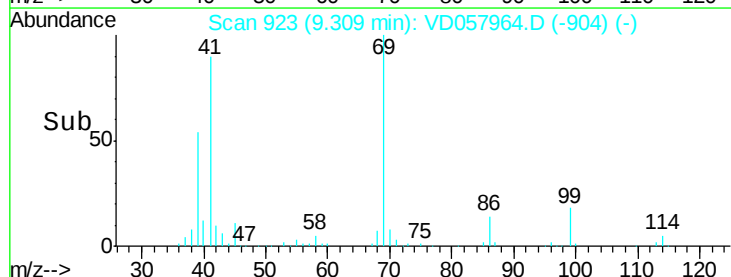
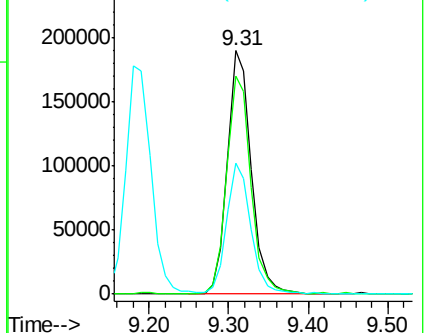
39 54.0 43.0 64.4

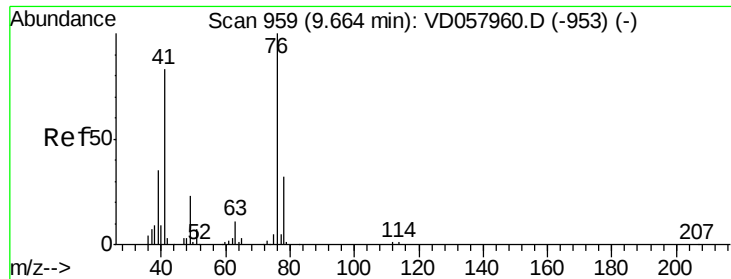


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

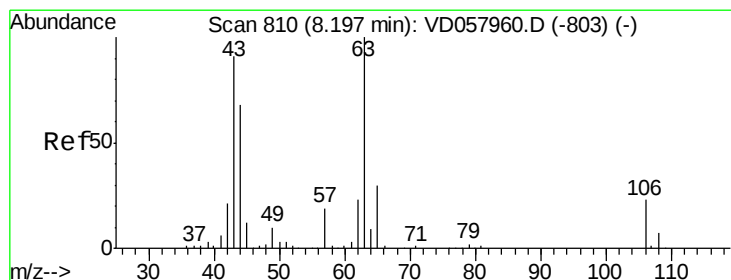
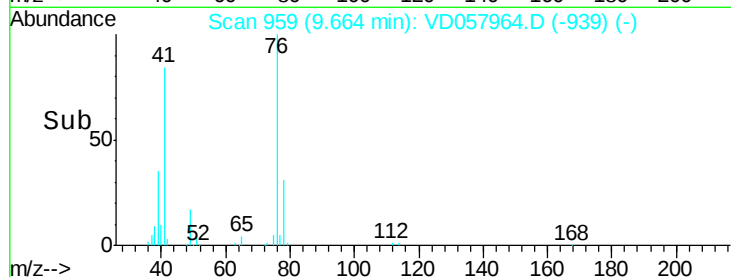
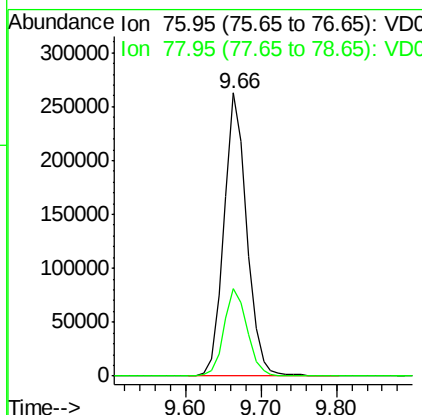
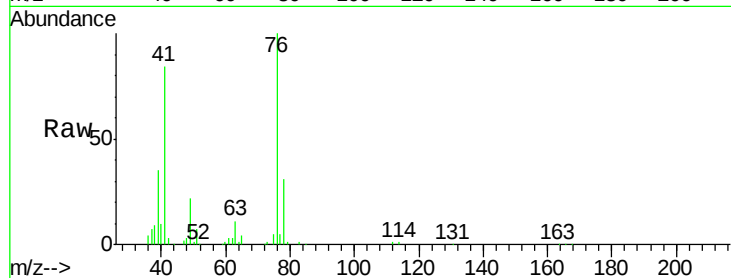




#57
 1,3-Dichloropropane
 Concen: 49.50 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

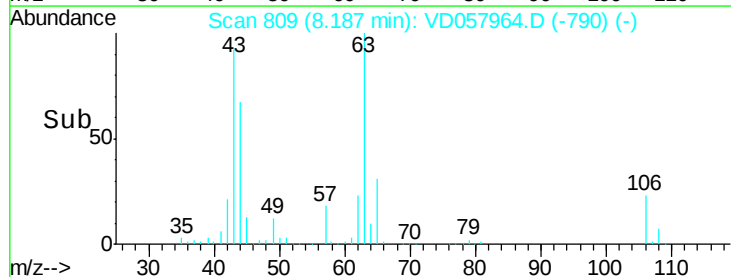
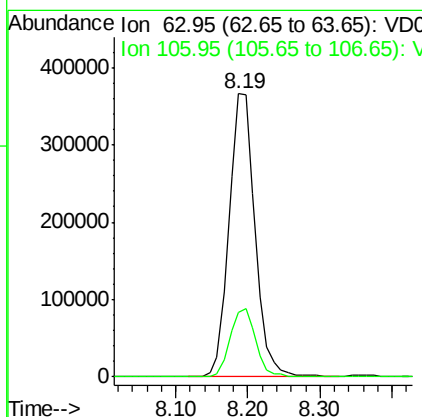
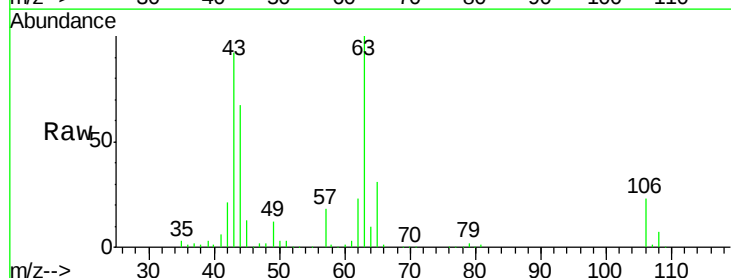
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

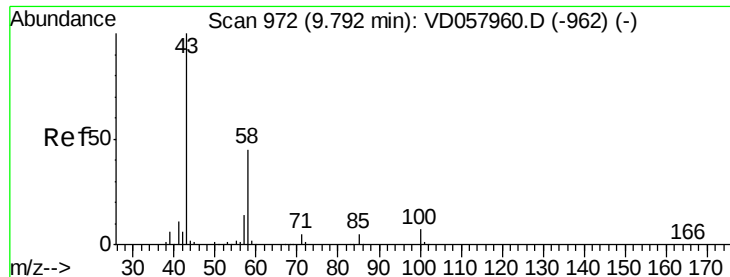
Tot Ion: 76 Resp: 547187
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.34 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion: 63 Resp: 919236
 Ion Ratio Lower Upper
 63 100
 106 22.7 18.7 28.1

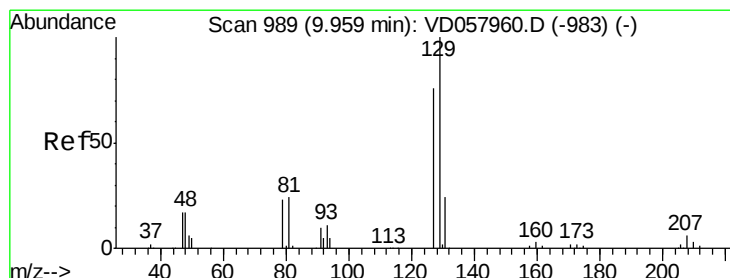
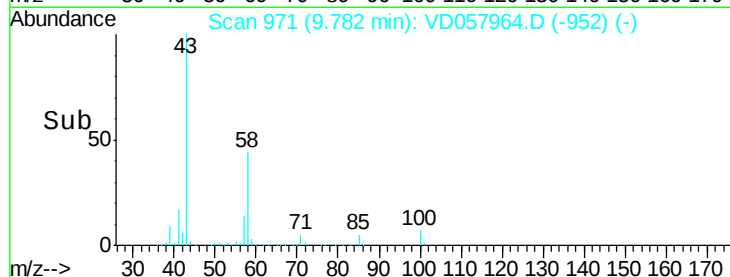
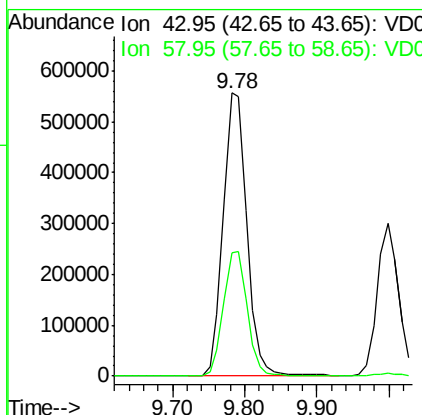
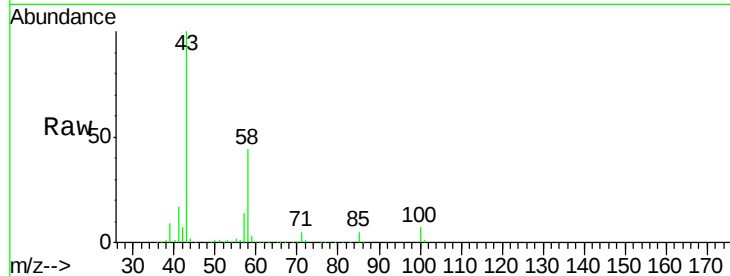




#59
2-Hexanone
Concen: 260.31 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

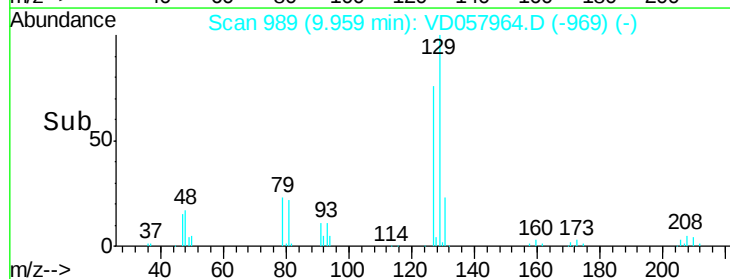
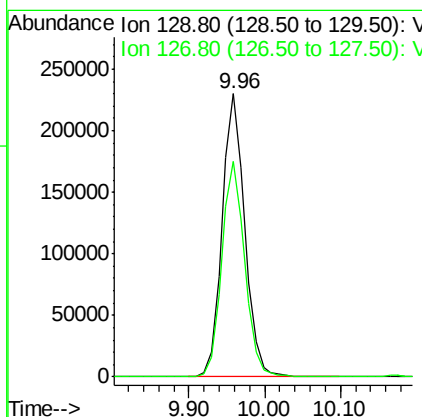
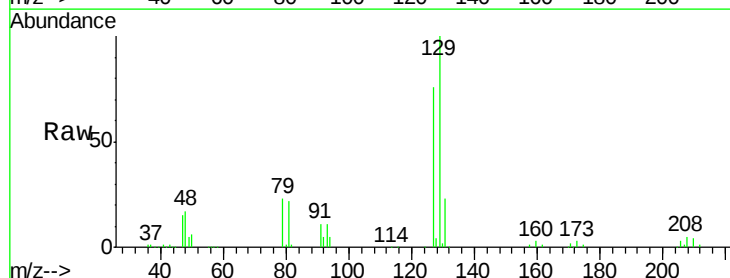
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

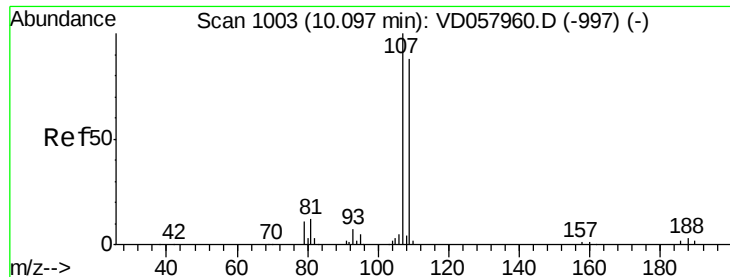
Tot Ion: 43 Resp: 1270240
Ion Ratio Lower Upper
43 100
58 43.7 22.5 67.5



#60
Dibromochloromethane
Concen: 53.51 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion: 129 Resp: 475584
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.46 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

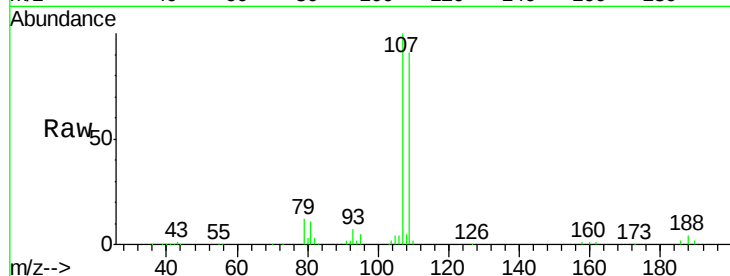
ICVVD060618

Tot Ion:107 Resp: 365739

Ion Ratio Lower Upper

107 100

109 91.3 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

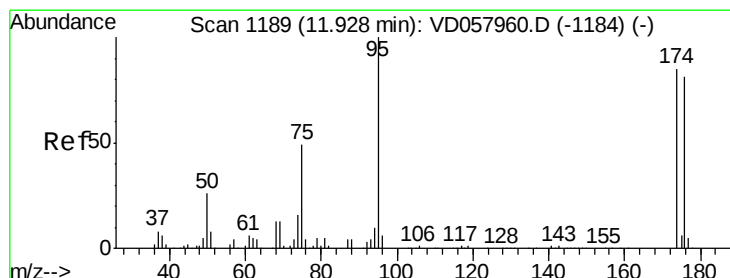
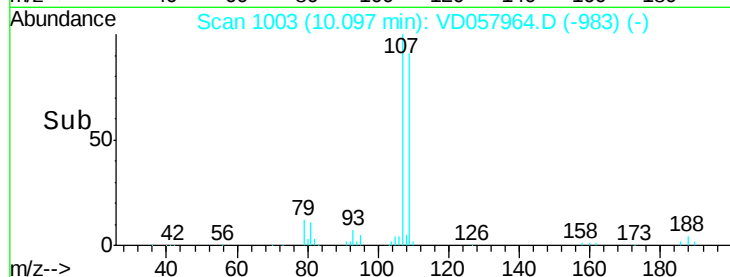
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.46 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

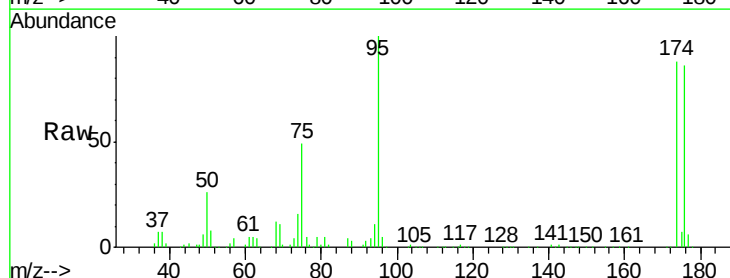
Tgt Ion: 95 Resp: 485420

Ion Ratio Lower Upper

95 100

174 88.2 0.0 169.4

176 85.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

400000

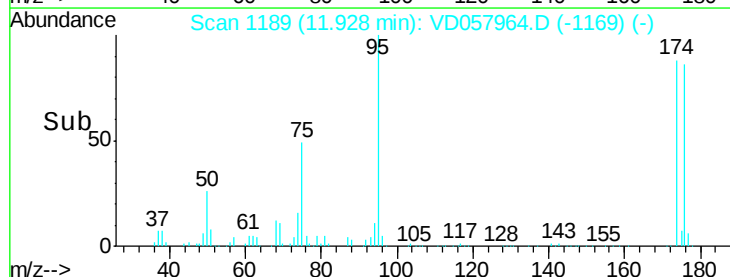
300000

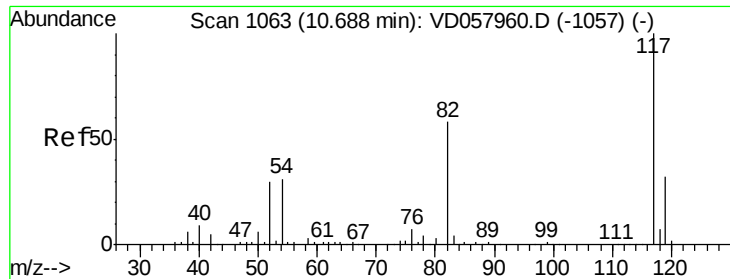
200000

100000

0

Time-->

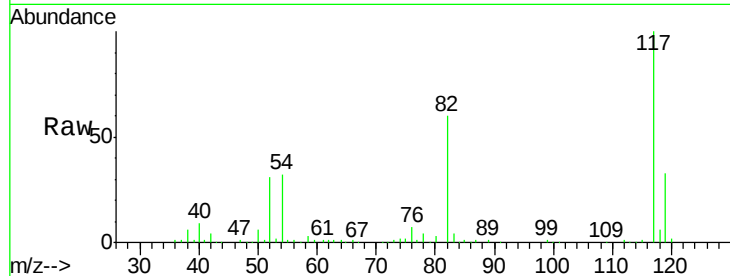




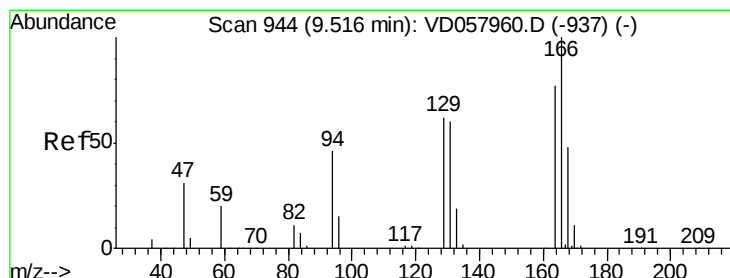
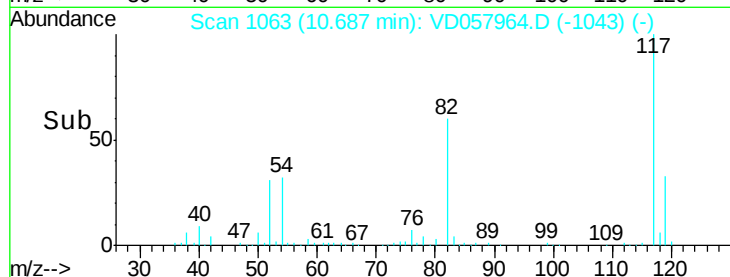
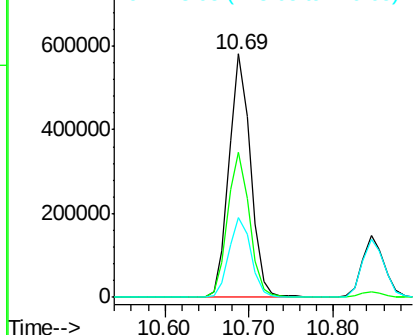
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

Tot Ion:117 Resp: 1038971
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 32.7 25.8 38.6



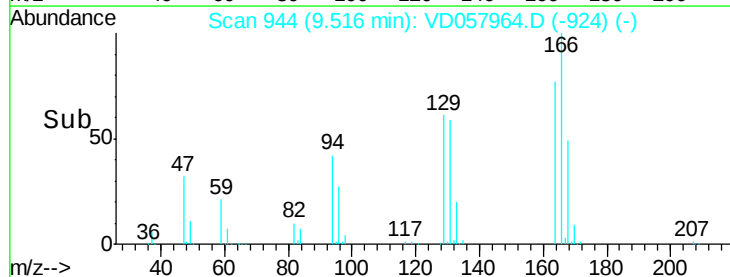
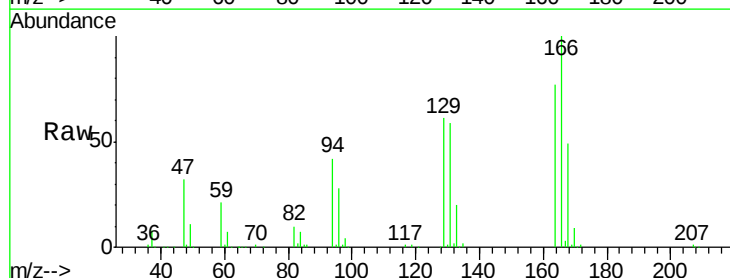
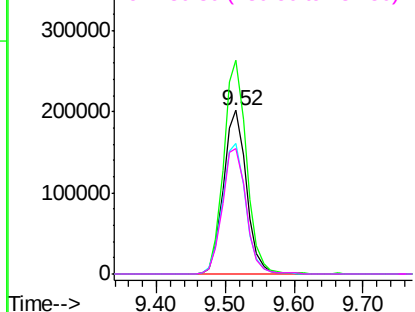
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

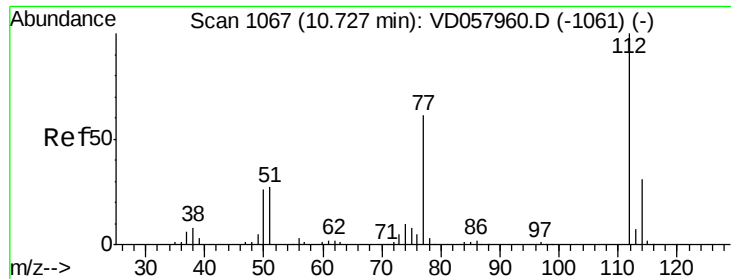


#64
Tetrachloroethene
Concen: 50.11 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion:164 Resp: 465399
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 79.6 65.0 97.6
131 76.9 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

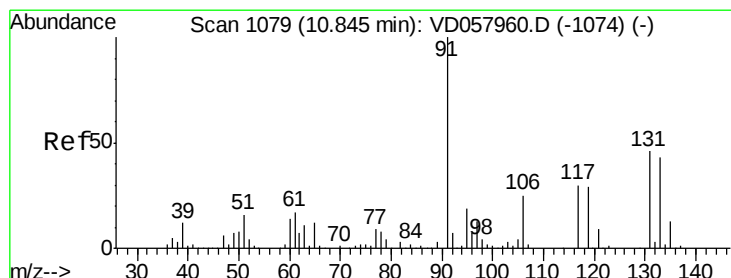
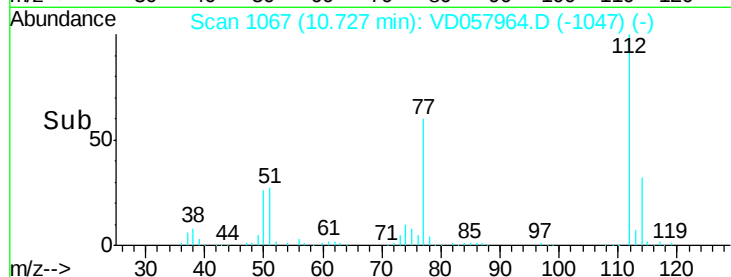
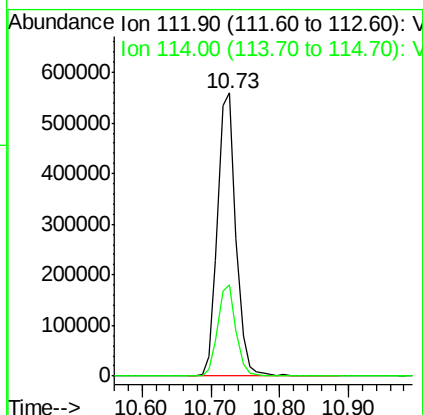
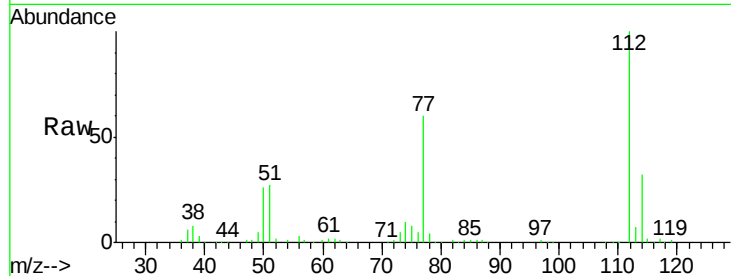




#65
Chlorobenzene
Concen: 49.45 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

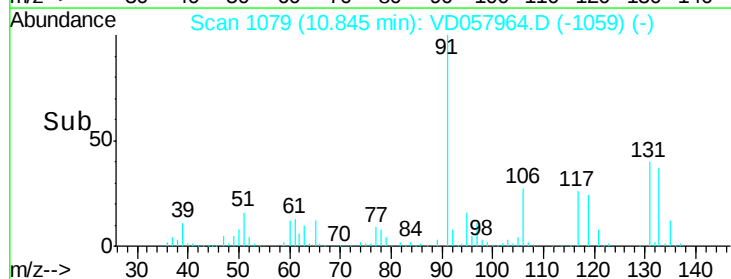
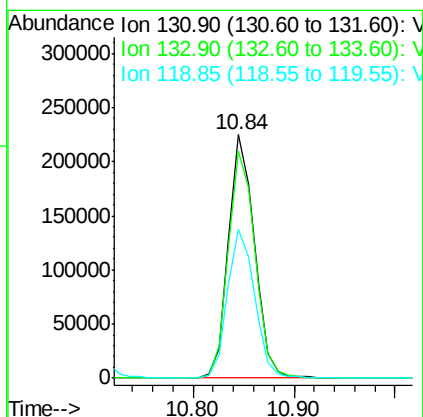
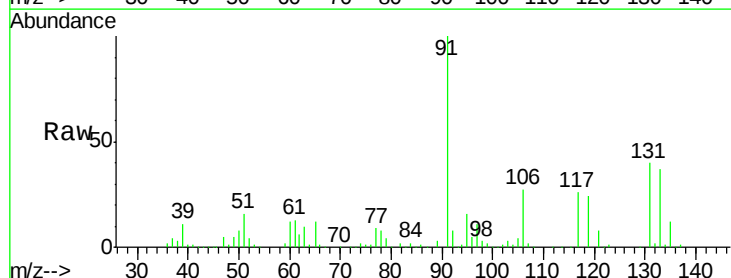
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

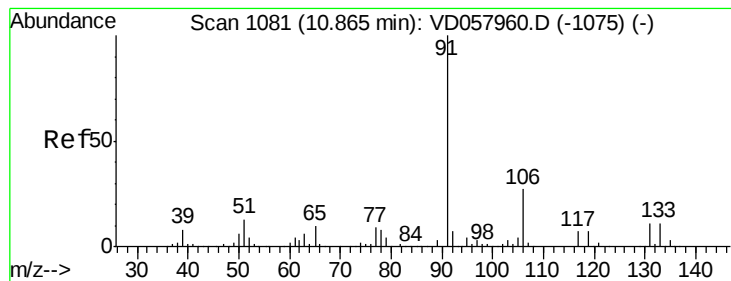
Tot Ion:112 Resp: 1040143
Ion Ratio Lower Upper
112 100
114 32.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.73 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion:131 Resp: 401872
Ion Ratio Lower Upper
131 100
133 93.0 46.9 140.6
119 61.3 31.8 95.3





#67

Ethyl Benzene

Concen: 47.25 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

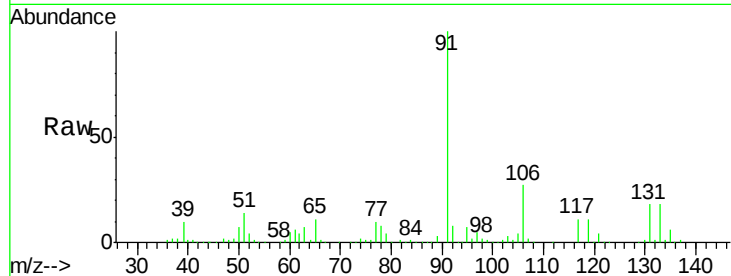
ICVVD060618

Tot Ion: 91 Resp: 1795591

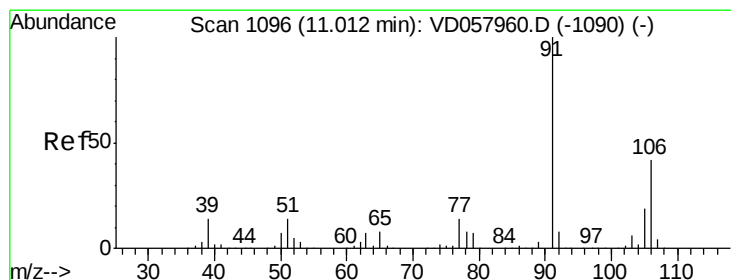
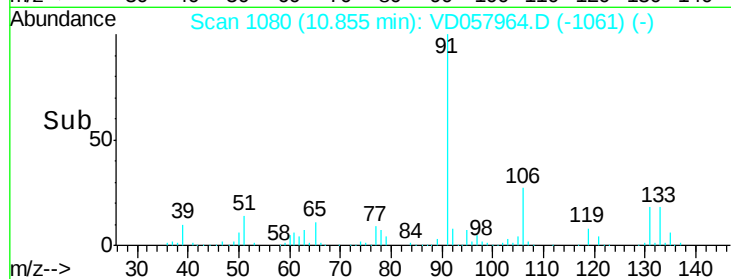
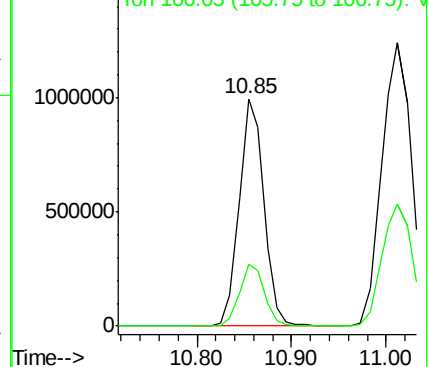
Ion Ratio Lower Upper

91 100

106 27.2 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 95.55 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD057964.D

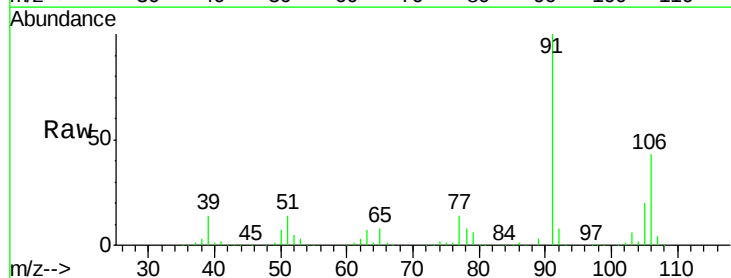
Acq: 6 Jun 2018 21:39

Tgt Ion: 106 Resp: 1183684

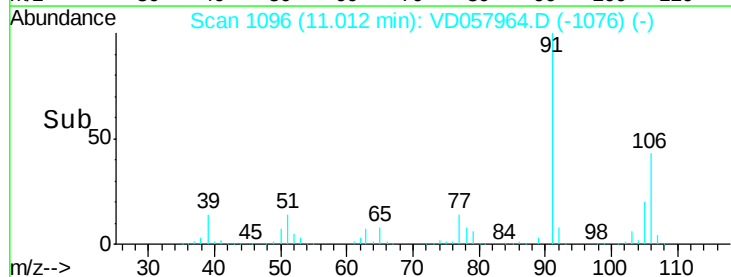
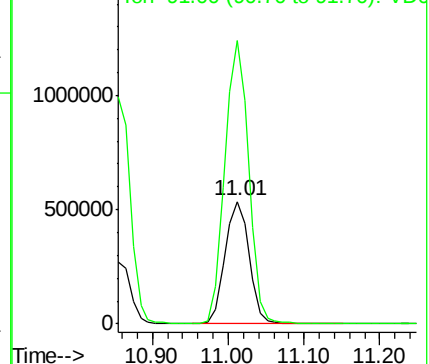
Ion Ratio Lower Upper

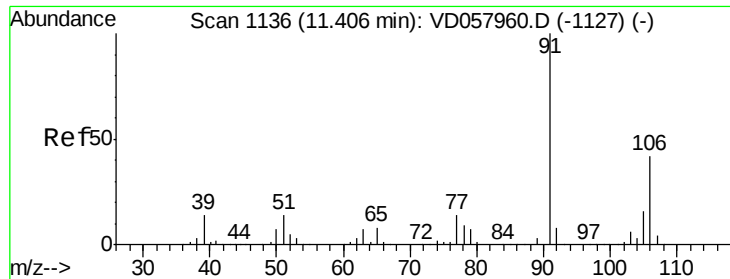
106 100

91 230.9 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

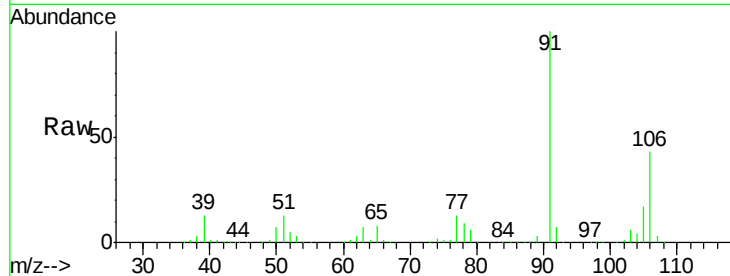




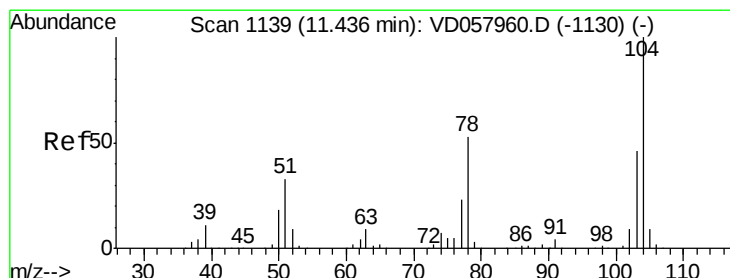
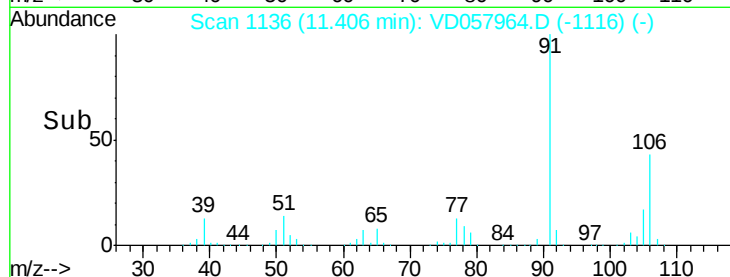
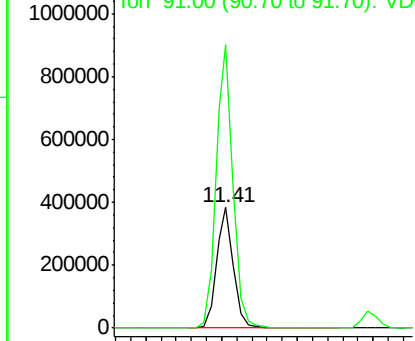
#69
o-Xylene
Concen: 48.81 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampleID :
ICVVD060618

Tot Ion:106 Resp: 600155
Ion Ratio Lower Upper
106 100
91 234.7 120.6 361.7

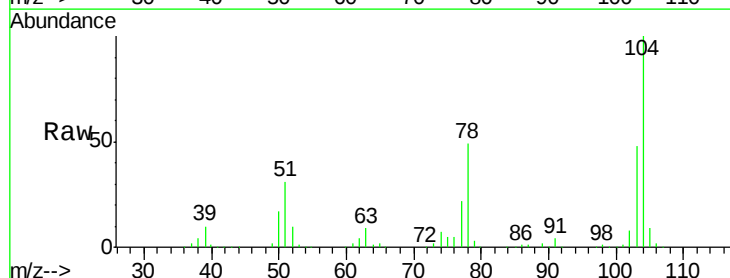


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

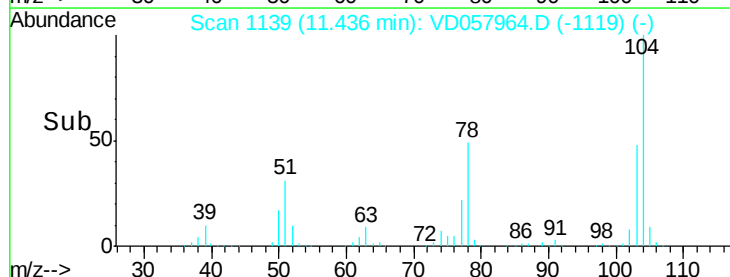
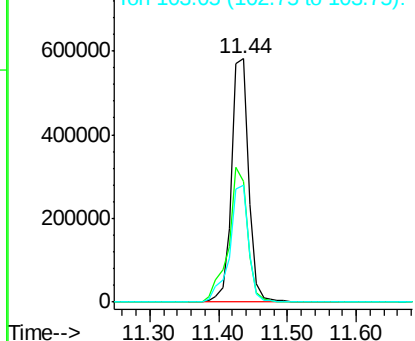


#70
Styrene
Concen: 48.99 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion:104 Resp: 997161
Ion Ratio Lower Upper
104 100
78 49.5 42.1 63.1
103 47.9 37.0 55.6



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

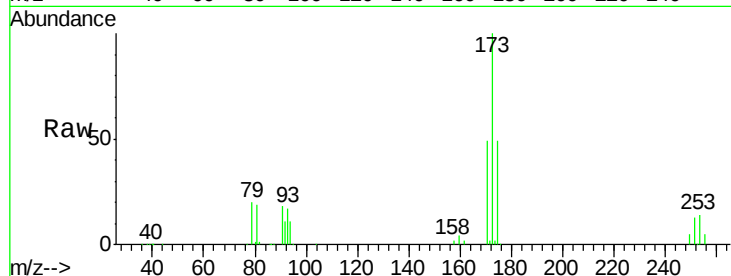




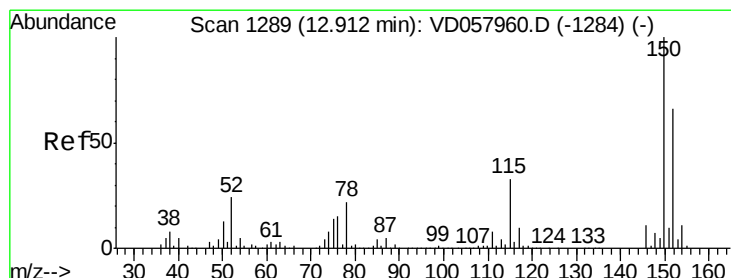
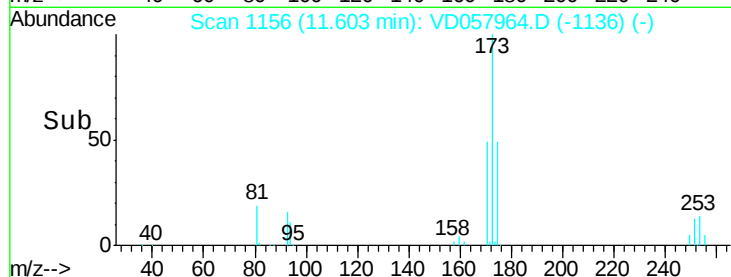
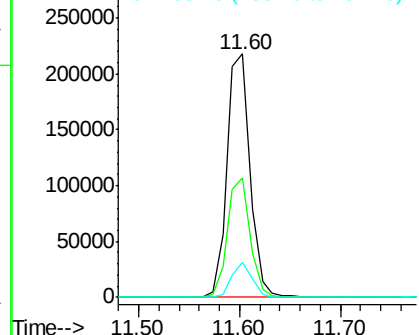
#71
Bromoform
Concen: 56.96 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060618

Tot Ion:173 Resp: 346275
Ion Ratio Lower Upper
173 100
175 49.2 25.1 75.2
254 14.3 10.7 16.1

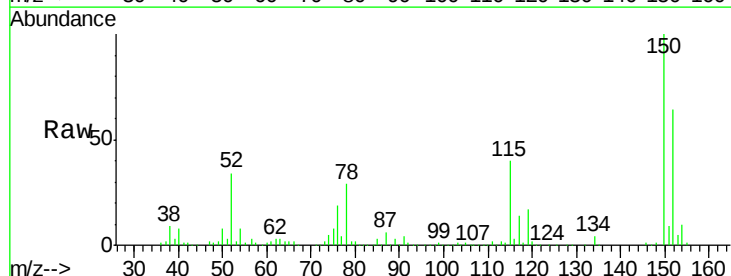


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

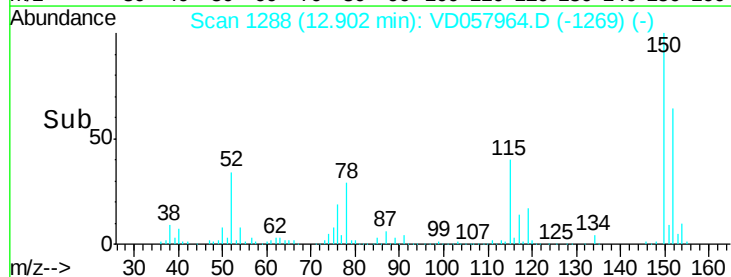
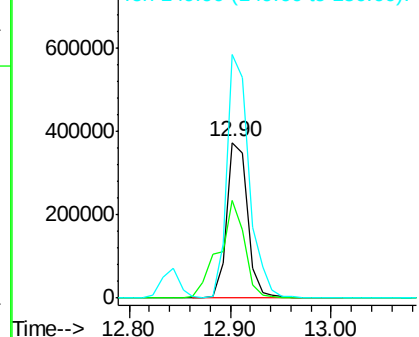


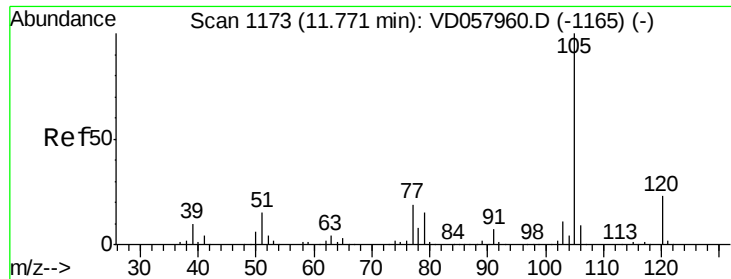
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057964.D
Acq: 6 Jun 2018 21:39

Tgt Ion:152 Resp: 534847
Ion Ratio Lower Upper
152 100
115 62.6 25.6 76.6
150 156.3 0.0 306.8



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





#73

Isopropylbenzene

Concen: 48.64 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

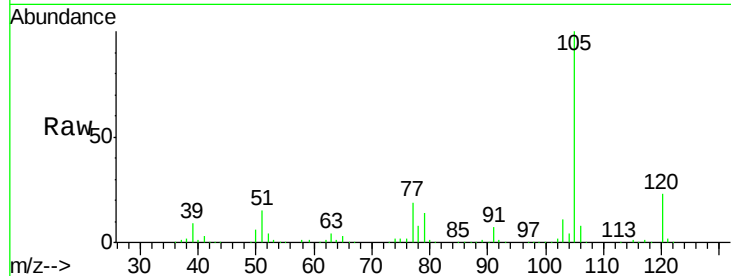
ICVVD060618

Tot Ion:105 Resp: 1722972

Ion Ratio Lower Upper

105 100

120 22.8 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

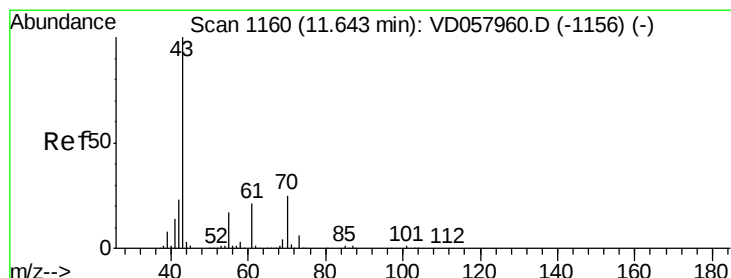
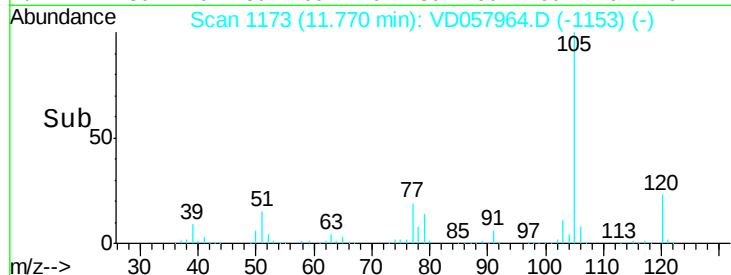
11.77

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 51.57 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Tgt Ion: 43 Resp: 704936

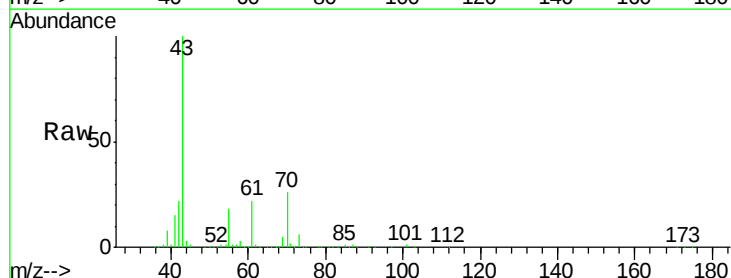
Ion Ratio Lower Upper

43 100

70 25.9 20.3 30.5

55 17.7 13.9 20.9

61 22.0 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

800000

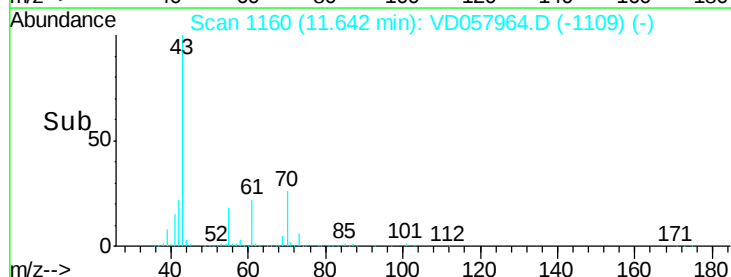
600000

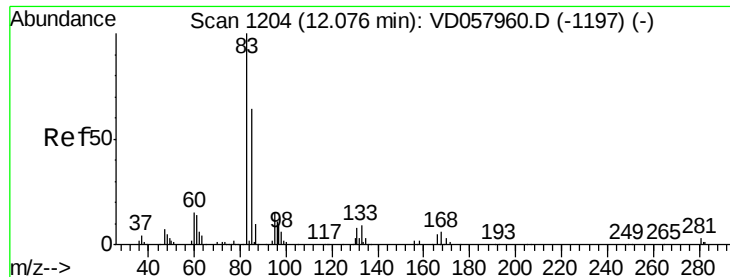
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.22 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

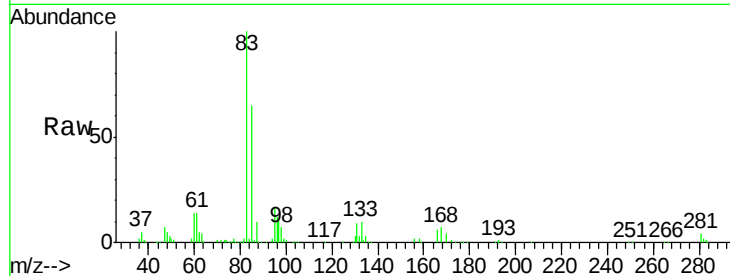
Tot Ion: 83 Resp: 395577

Ion Ratio Lower Upper

83 100

131 9.5 4.2 12.6

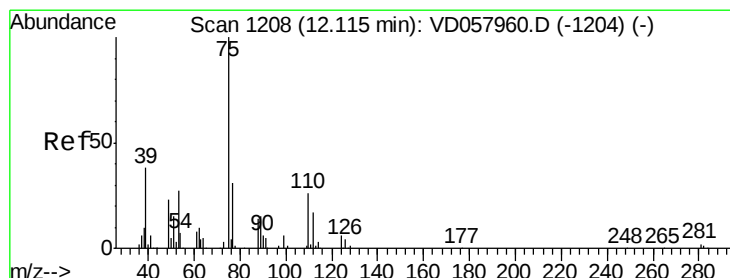
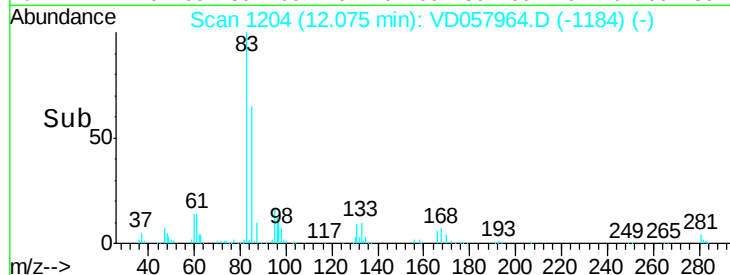
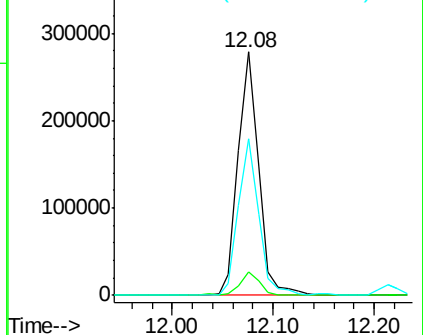
85 64.5 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.06 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057964.D

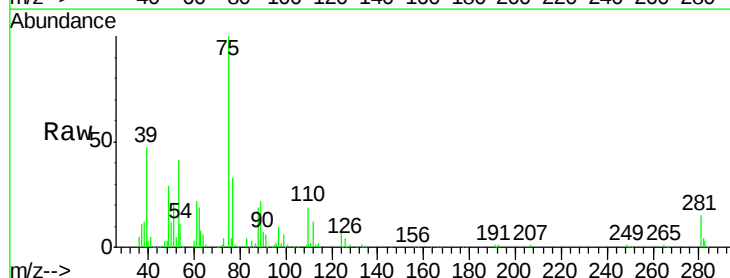
Acq: 6 Jun 2018 21:39

Tgt Ion: 75 Resp: 394198

Ion Ratio Lower Upper

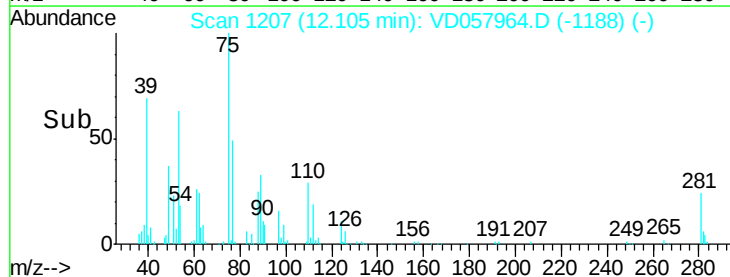
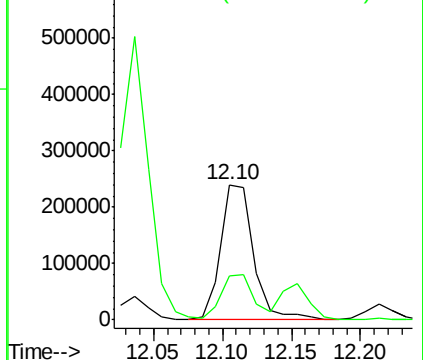
75 100

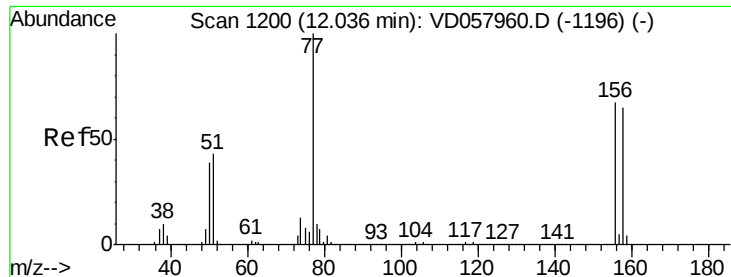
77 32.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.64 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

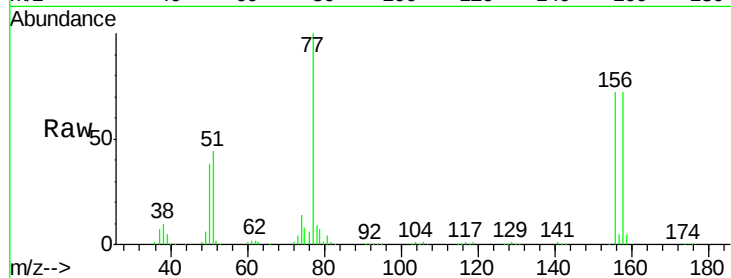
Tot Ion:156 Resp: 520509

Ion Ratio Lower Upper

156 100

77 139.1 75.0 224.8

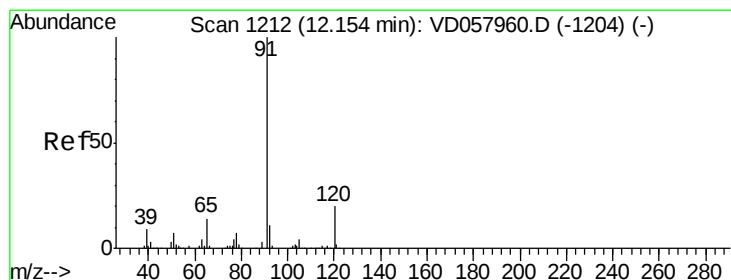
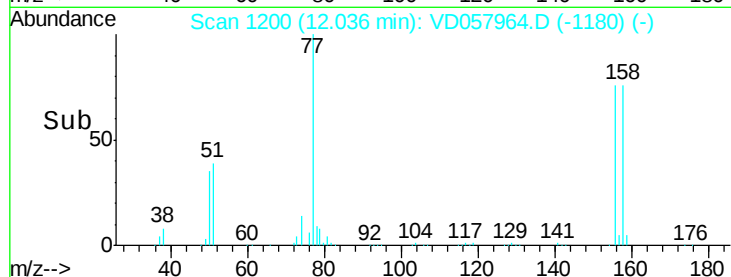
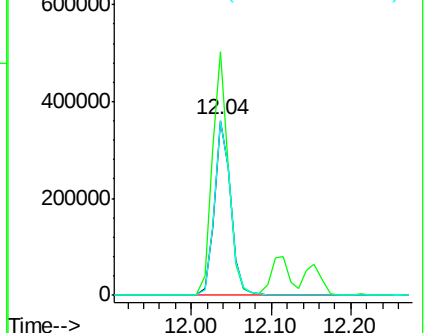
158 99.9 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.36 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD057964.D

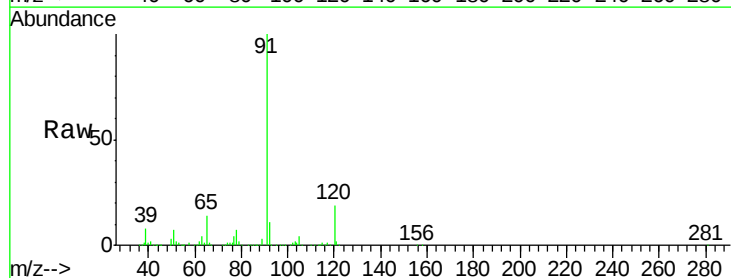
Acq: 6 Jun 2018 21:39

Tgt Ion: 91 Resp: 2136870

Ion Ratio Lower Upper

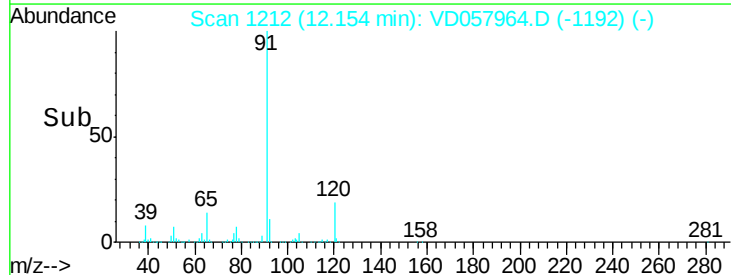
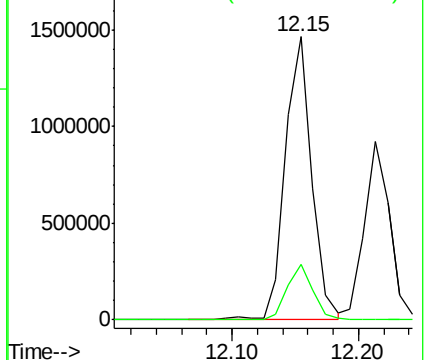
91 100

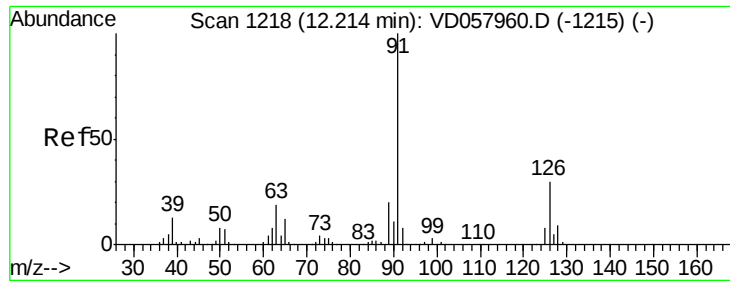
120 19.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

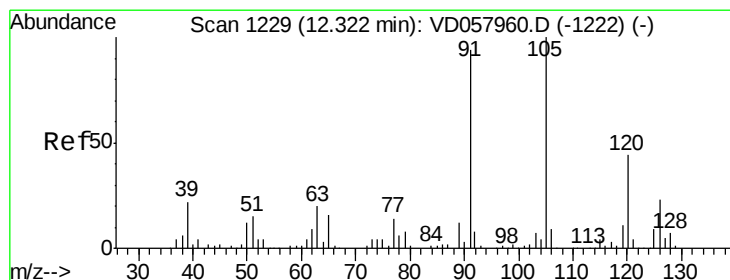
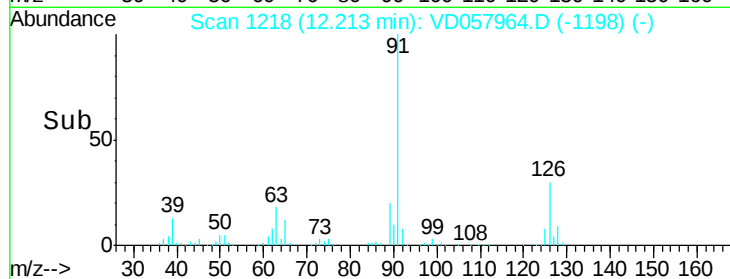
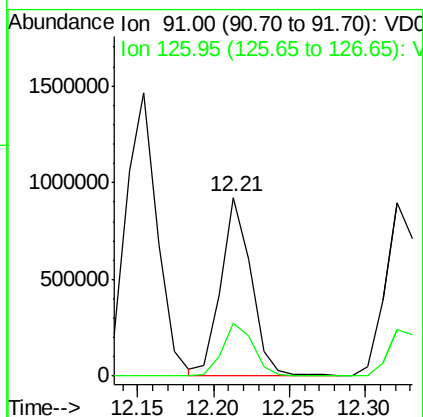
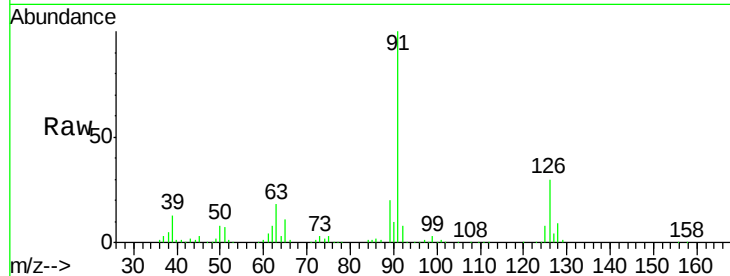




#79
 2-Chlorotoluene
 Concen: 48.39 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

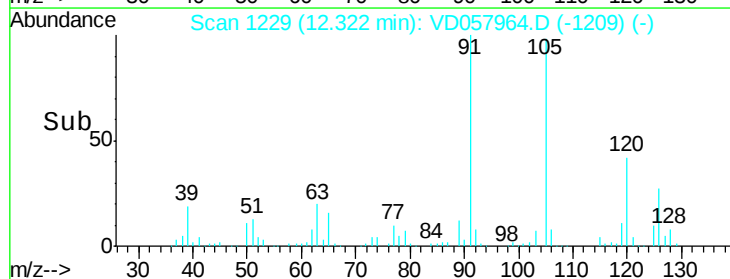
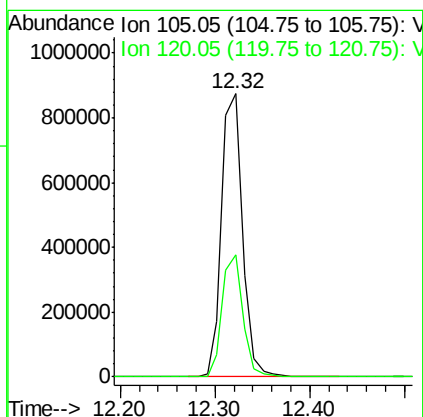
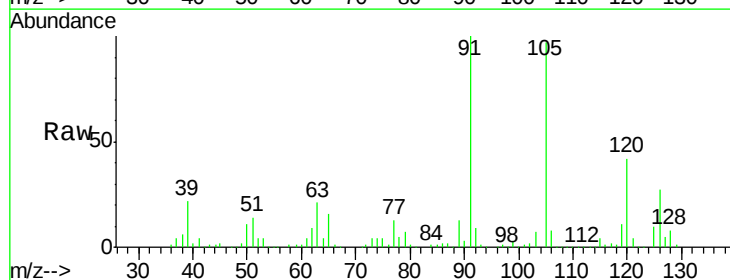
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

Tot Ion: 91 Resp: 1272661
 Ion Ratio Lower Upper
 91 100
 126 29.7 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 48.30 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion: 105 Resp: 1334397
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.40 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

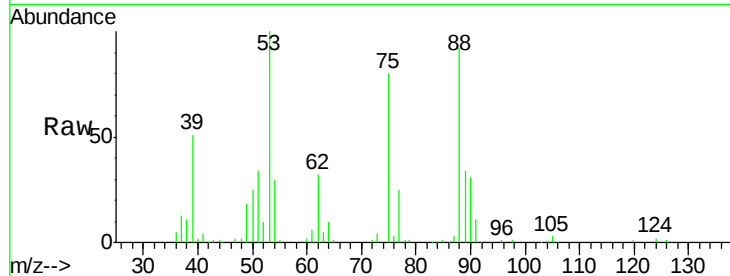
Tot Ion: 75 Resp: 112224

Ion Ratio Lower Upper

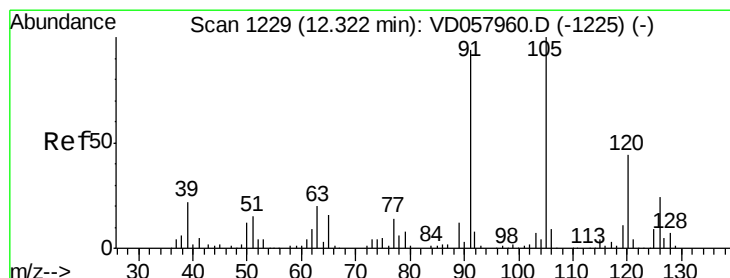
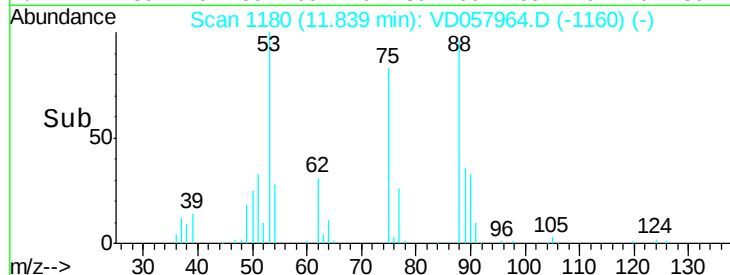
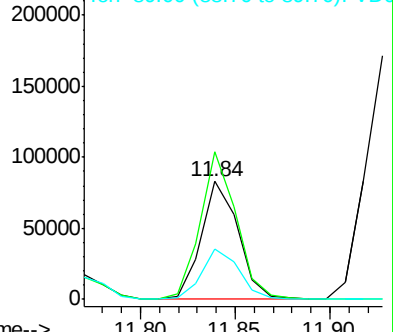
75 100

53 125.4 89.3 133.9

89 42.9 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 53.19 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057964.D

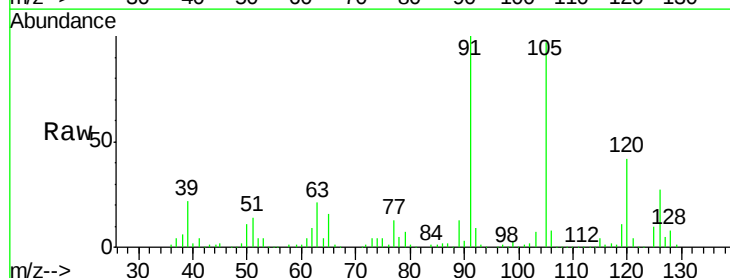
Acq: 6 Jun 2018 21:39

Tgt Ion: 91 Resp: 1355104

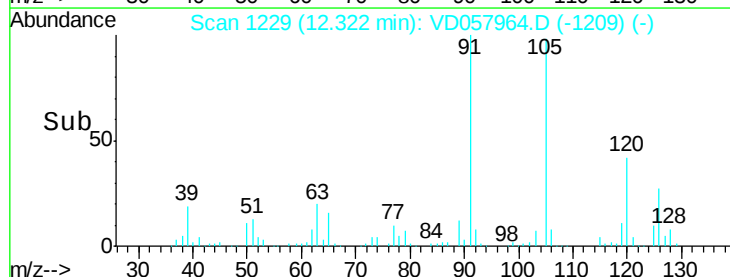
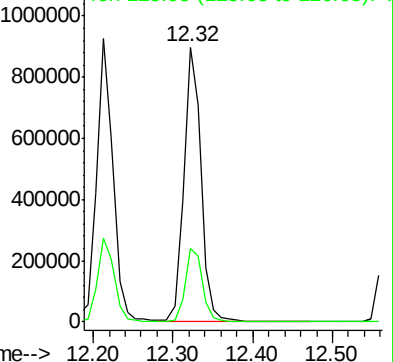
Ion Ratio Lower Upper

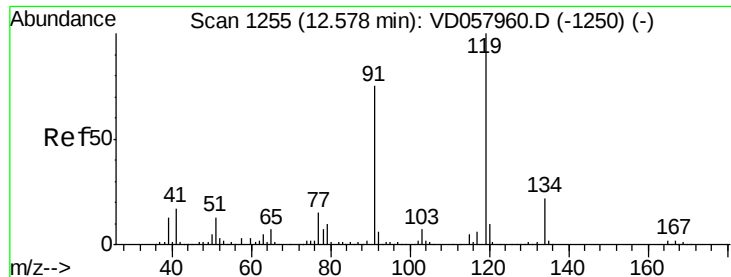
91 100

126 26.8 12.5 37.5



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

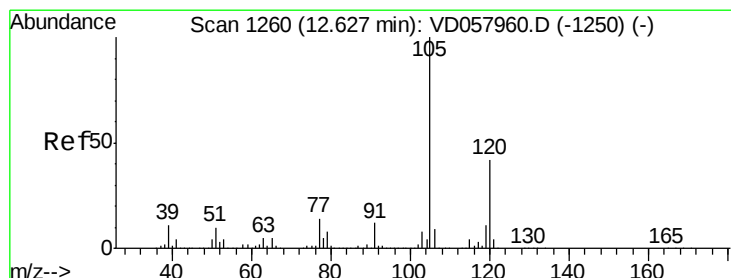
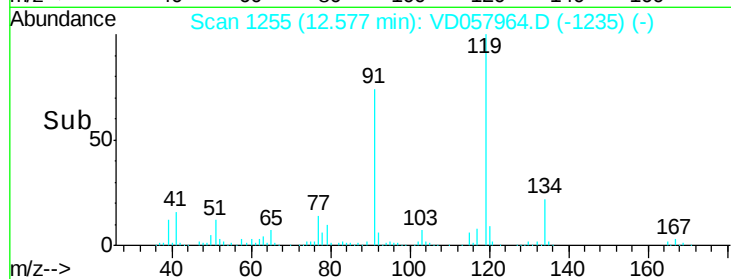
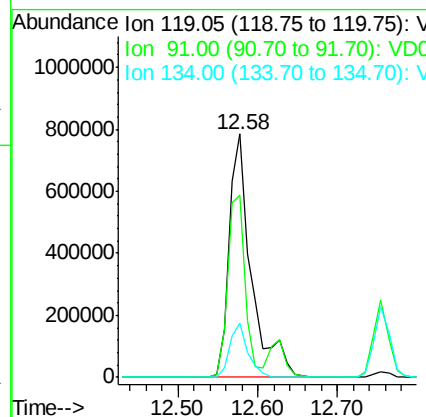
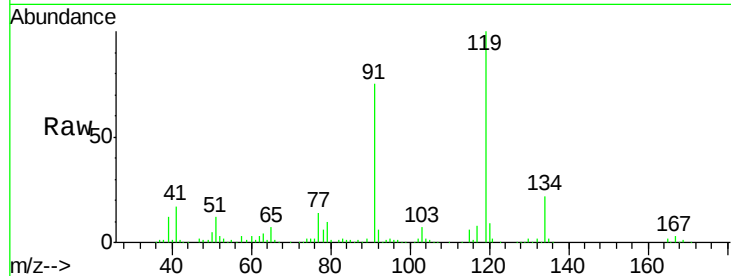




#83
 tert-Butylbenzene
 Concen: 49.41 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

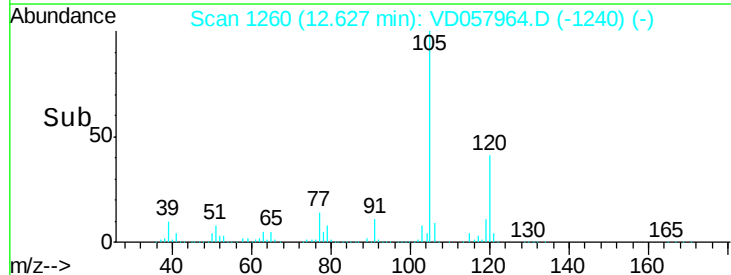
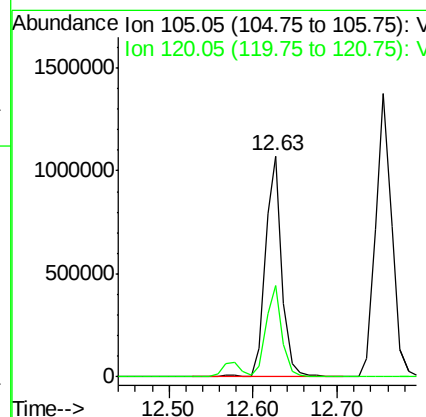
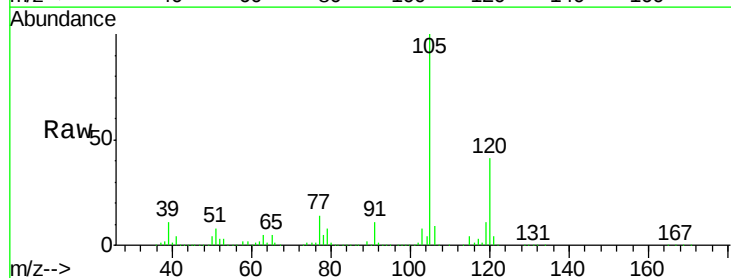
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

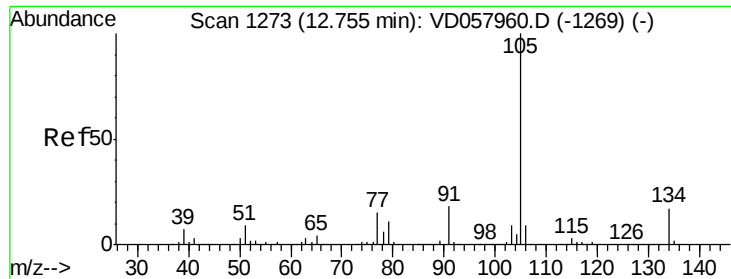
Tot Ion:119 Resp: 1541441
 Ion Ratio Lower Upper
 119 100
 91 74.8 37.6 112.9
 134 22.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 49.48 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion:105 Resp: 1469752
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.2 63.6





#85

sec-Butylbenzene

Concen: 48.35 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleID :

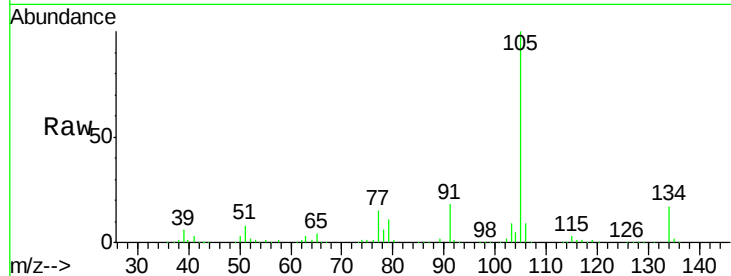
ICVVD060618

Tot Ion:105 Resp: 1820364

Ion Ratio Lower Upper

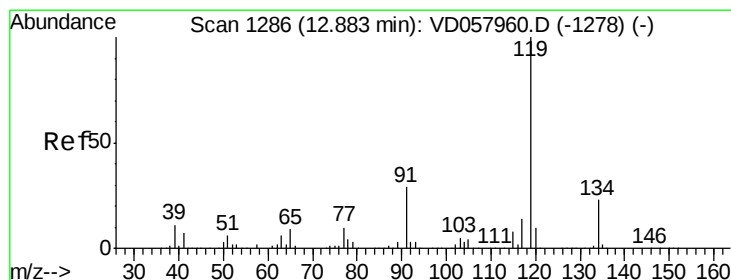
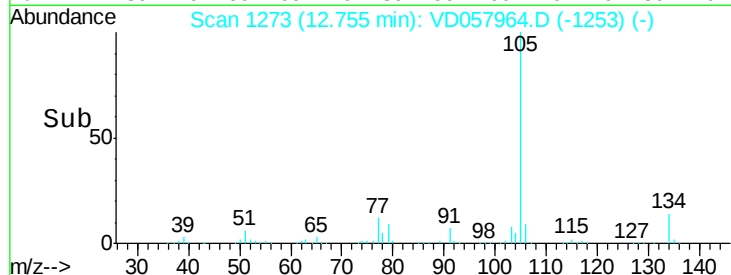
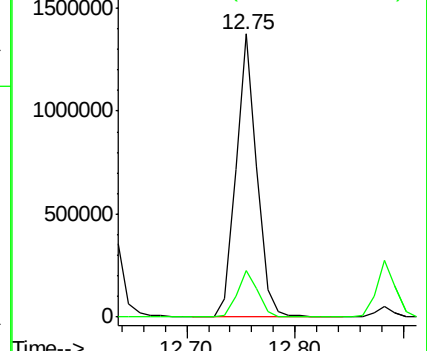
105 100

134 16.7 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 47.96 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

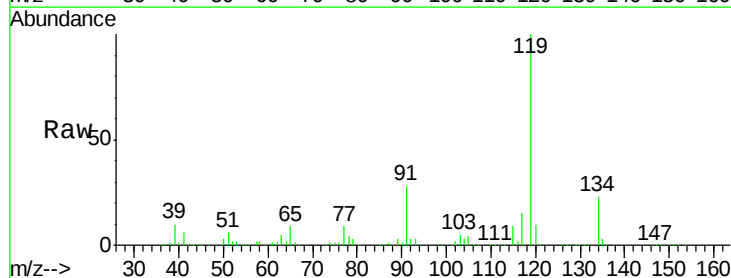
Tgt Ion:119 Resp: 1455410

Ion Ratio Lower Upper

119 100

134 23.5 11.5 34.4

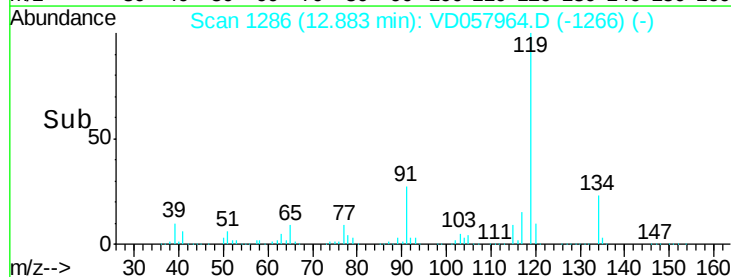
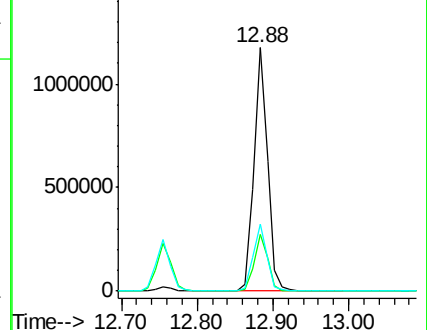
91 27.5 14.5 43.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

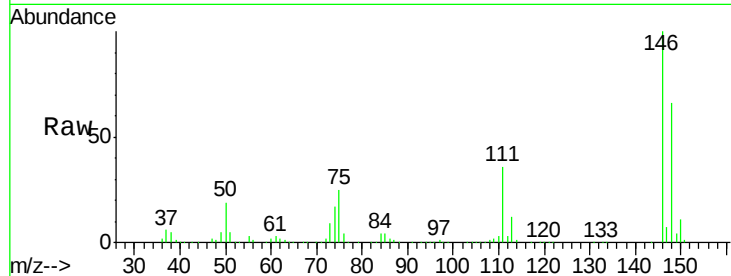




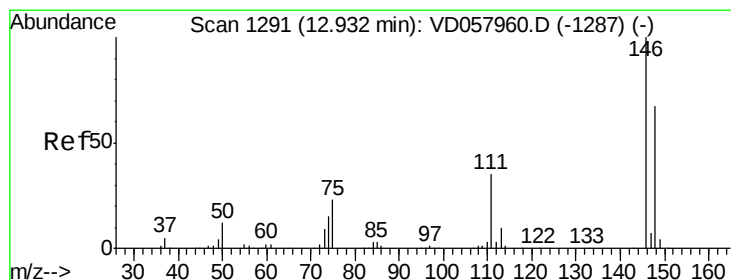
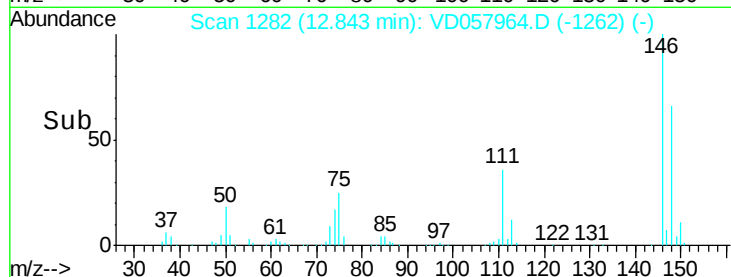
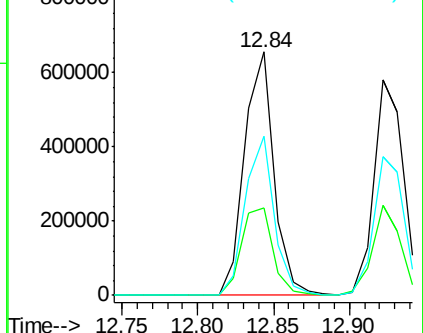
#87
 1,3-Dichlorobenzene
 Concen: 50.21 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

Tot Ion:146 Resp: 890553
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.1 57.3
 148 65.5 32.0 96.2

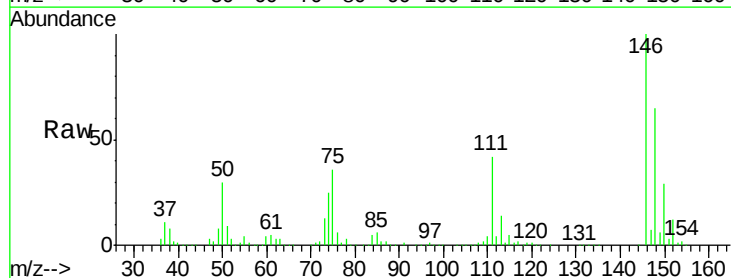


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

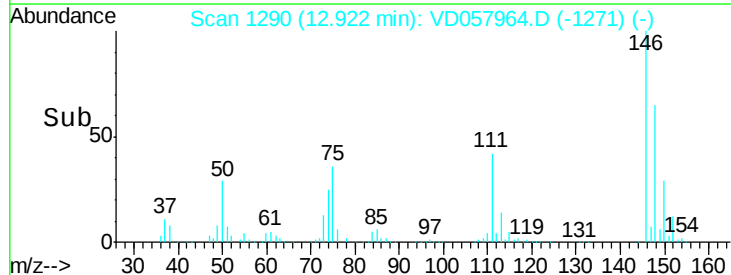
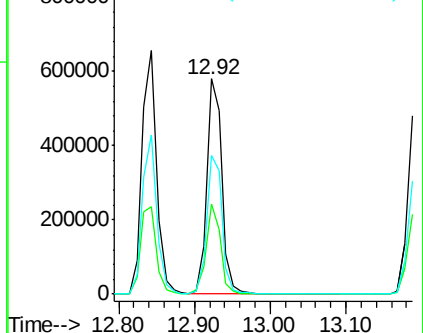


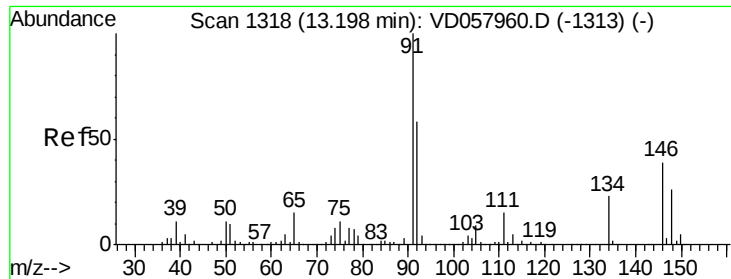
#88
 1,4-Dichlorobenzene
 Concen: 46.60 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion:146 Resp: 805326
 Ion Ratio Lower Upper
 146 100
 111 41.7 17.3 52.0
 148 64.7 33.4 100.2



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





#89

n-Butylbenzene

Concen: 52.47 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

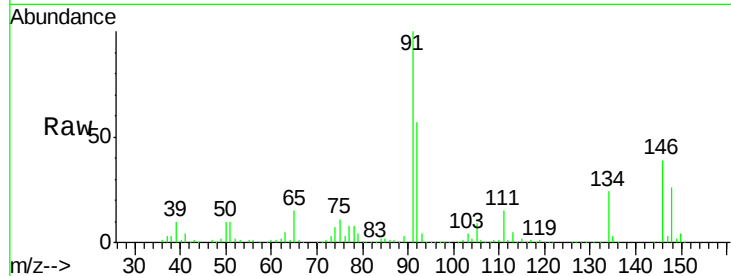
Tot Ion: 91 Resp: 1428326

Ion Ratio Lower Upper

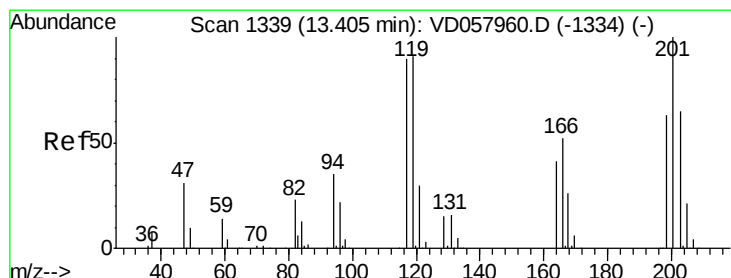
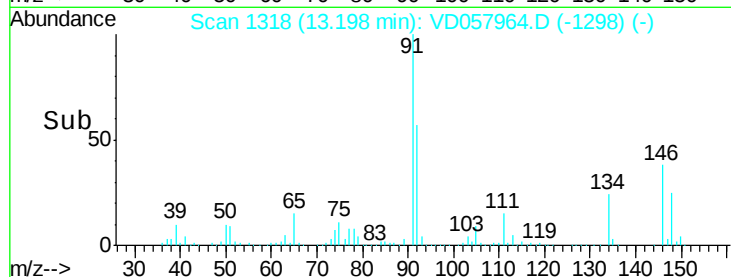
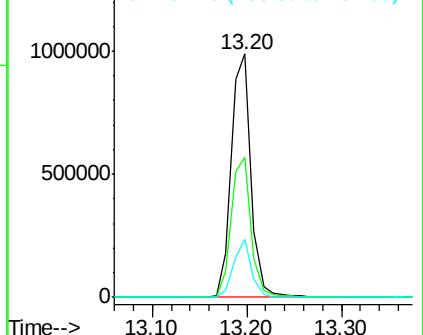
91 100

92 57.4 29.2 87.6

134 23.9 11.3 33.9



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



#90

Hexachloroethane

Concen: 51.15 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD057964.D

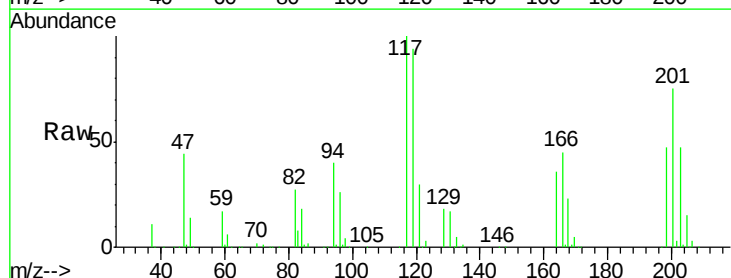
Acq: 6 Jun 2018 21:39

Tgt Ion: 117 Resp: 396151

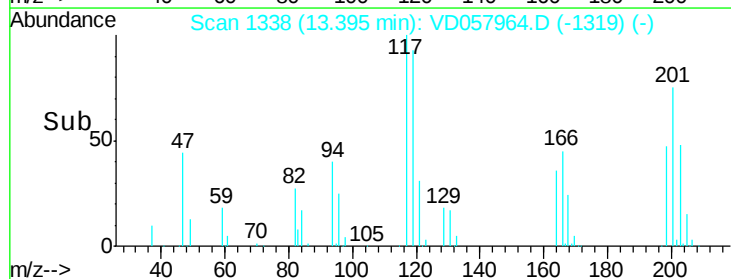
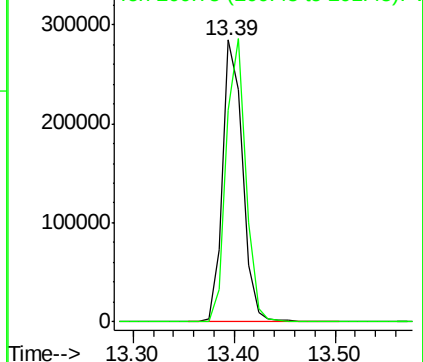
Ion Ratio Lower Upper

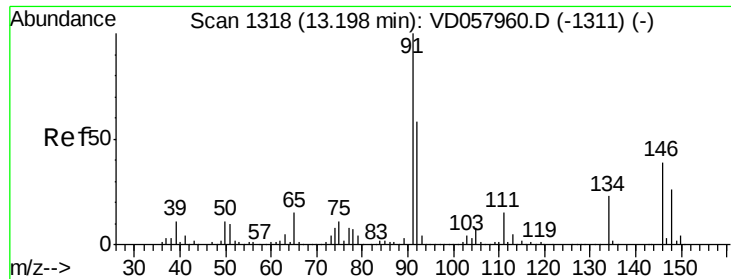
117 100

201 74.9 55.4 166.0



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

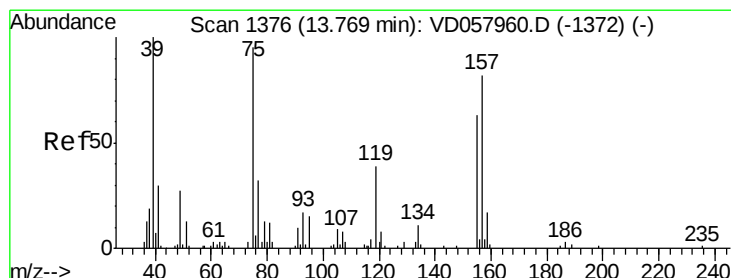
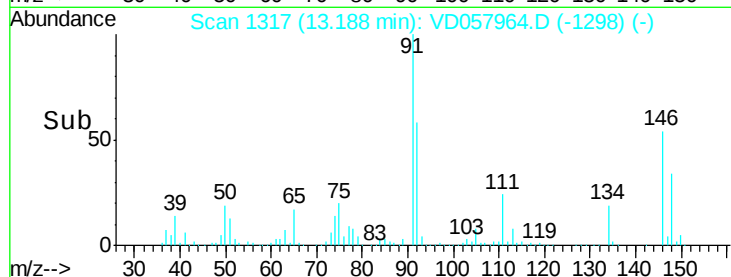
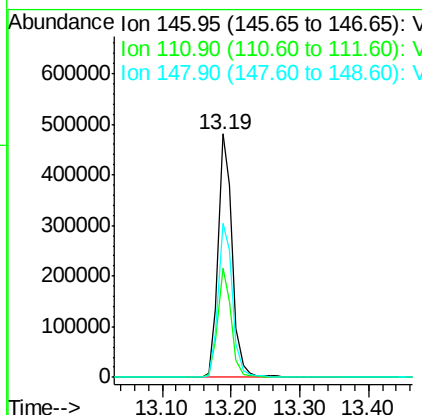
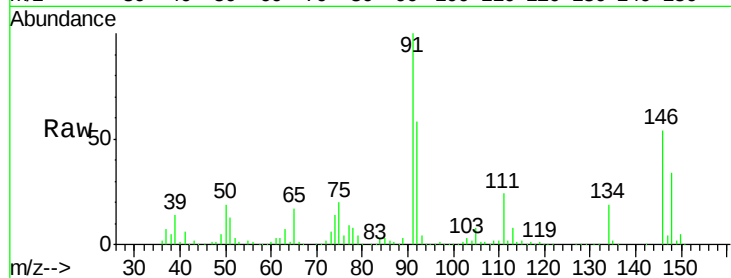




#91
 1,2-Dichlorobenzene
 Concen: 47.77 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

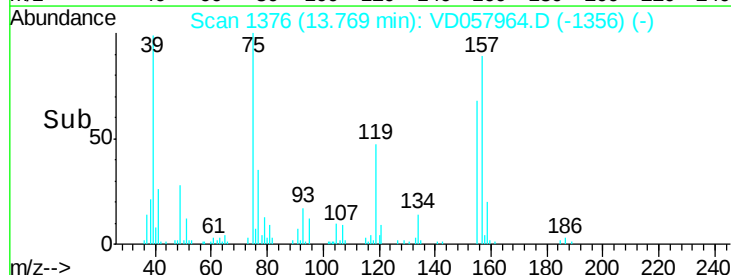
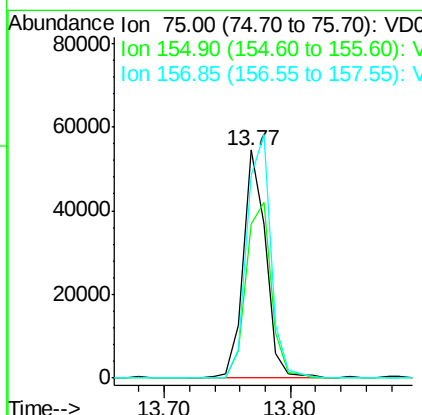
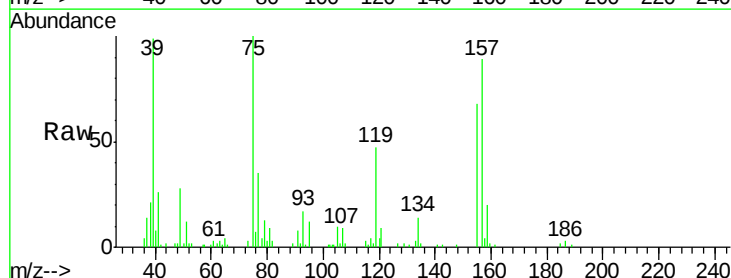
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

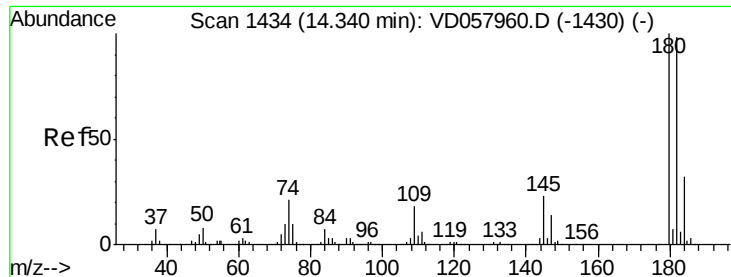
Tot Ion:146 Resp: 684794
 Ion Ratio Lower Upper
 146 100
 111 45.0 19.4 58.2
 148 63.2 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.17 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion: 75 Resp: 66951
 Ion Ratio Lower Upper
 75 100
 155 67.9 33.4 100.1
 157 89.2 42.9 128.5

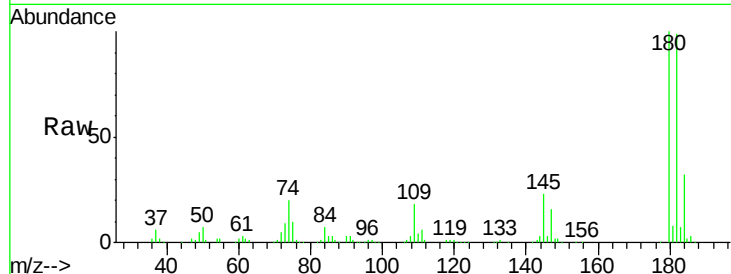




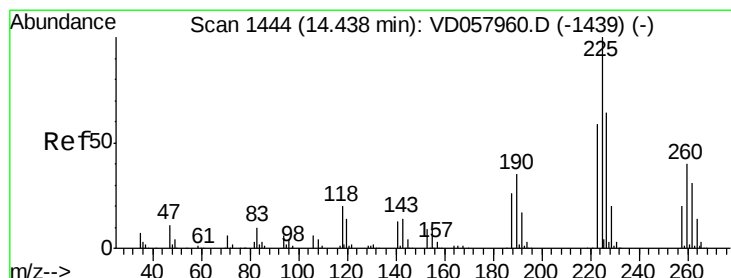
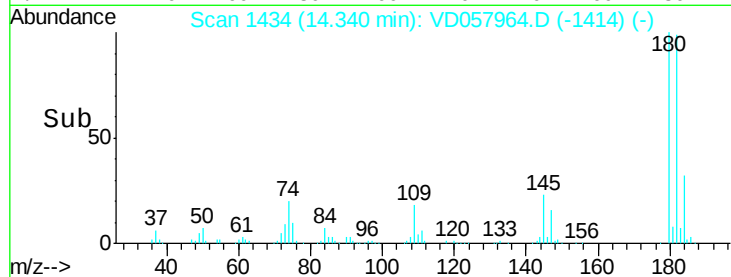
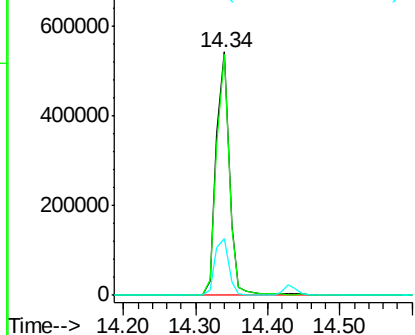
#93
 1,2,4-Trichlorobenzene
 Concen: 50.99 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060618

Tot Ion:180 Resp: 682846
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.0 147.2
 145 23.2 11.8 35.3

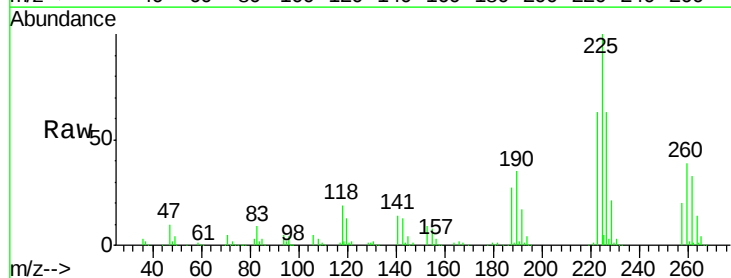


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

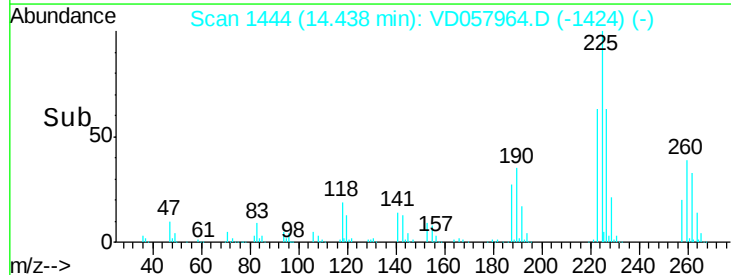
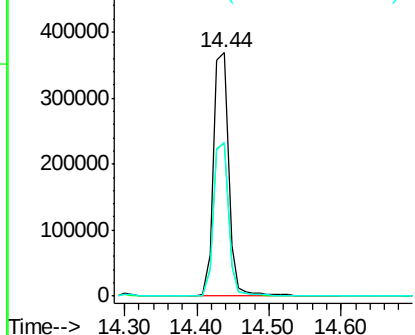


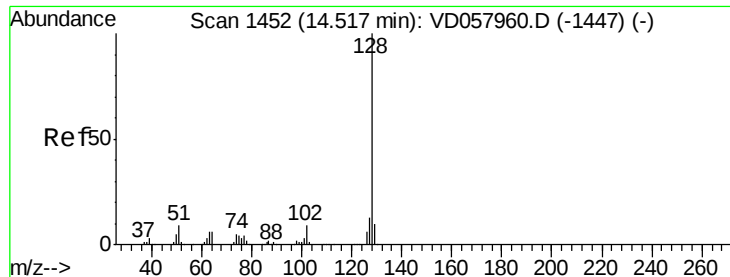
#94
 Hexachlorobutadiene
 Concen: 51.17 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD057964.D
 Acq: 6 Jun 2018 21:39

Tgt Ion:225 Resp: 539016
 Ion Ratio Lower Upper
 225 100
 223 62.9 29.5 88.6
 227 63.1 32.0 96.0



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: 50.76 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060618

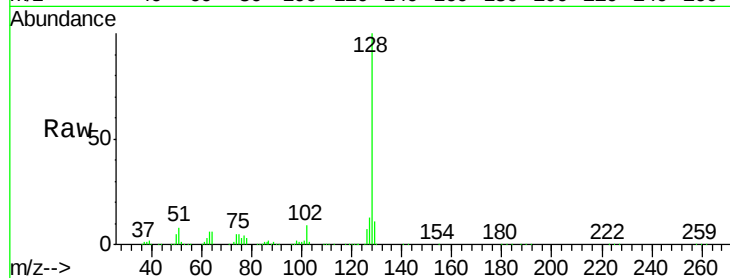
Tot Ion:128 Resp: 876438

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

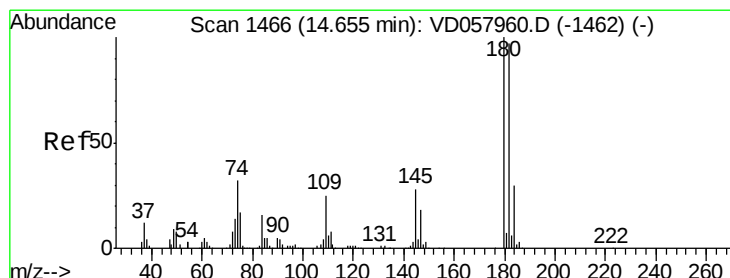
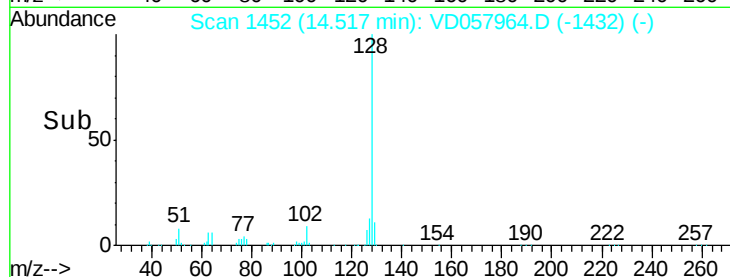
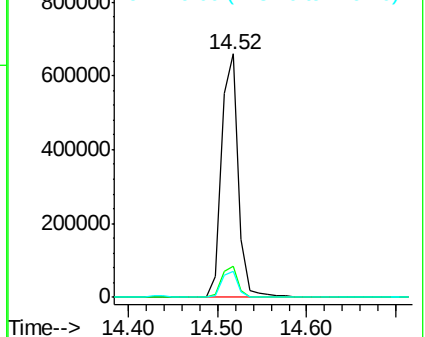
129 10.9 8.2 12.2



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: 50.98 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD057964.D

Acq: 6 Jun 2018 21:39

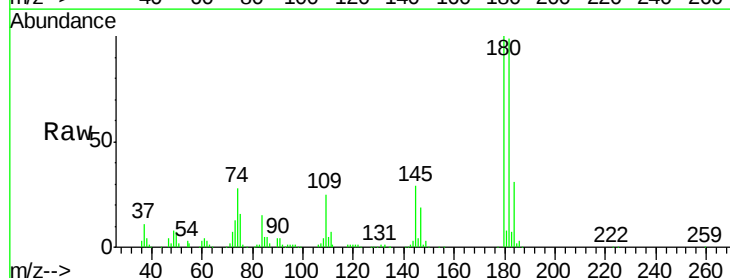
Tgt Ion:180 Resp: 581836

Ion Ratio Lower Upper

180 100

182 98.7 48.5 145.5

145 28.8 14.2 42.8



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

