

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057959.D
 Acq On : 6 Jun 2018 18:50
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Jun 07 08:20:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	921894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1218300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	953468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	520540	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	196973	21.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.74%	
35) Dibromofluoromethane	5.56	113	207436	22.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.02%	
50) Toluene-d8	8.71	98	505808	22.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.14%	
62) 4-Bromofluorobenzene	11.93	95	214984	21.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	277517	22.43	ug/l	97
3) Chloromethane	1.49	50	133783	21.95	ug/l	93
4) Vinyl Chloride	1.56	62	124148	21.05	ug/l	99
5) Bromomethane	1.80	94	42071	18.20	ug/l	98
6) Chloroethane	1.89	64	40978	17.61	ug/l	99
7) Trichlorofluoromethane	2.09	101	162497	20.15	ug/l	99
8) Diethyl Ether	2.35	74	29720	19.84	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.57	101	105688	21.98	ug/l	93
10) Methyl Iodide	2.69	142	123732	19.94	ug/l	94
11) Tert butyl alcohol	3.28	59	23159	93.80	ug/l	95
12) 1,1-Dichloroethene	2.55	96	75537	20.43	ug/l	93
13) Acrolein	2.48	56	38509	108.91	ug/l	98
14) Allyl chloride	2.93	41	173561	20.35	ug/l	96
15) Acrylonitrile	3.37	53	149375	103.42	ug/l	93
16) Acetone	2.62	43	125757	94.71	ug/l	95
17) Carbon Disulfide	2.76	76	271810	20.29	ug/l	99
18) Methyl Acetate	2.94	43	53788	20.94	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	347046	21.33	ug/l	100
20) Methylene Chloride	3.08	84	89266	19.67	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	179144	21.75	ug/l	98
22) Diisopropyl ether	4.07	45	730563	21.62	ug/l	92
23) Vinyl Acetate	4.02	43	1846631	105.77	ug/l	99
24) 1,1-Dichloroethane	3.98	63	396939	21.37	ug/l	99
25) 2-Butanone	4.84	43	309374	102.52	ug/l	97
26) 2,2-Dichloropropane	4.80	77	323853	21.17	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	206761	21.17	ug/l	99
28) Bromochloromethane	5.15	49	175156	21.79	ug/l	92
29) Tetrahydrofuran	5.19	42	167244	105.72	ug/l	99
30) Chloroform	5.33	83	399094	21.35	ug/l	98
31) Cyclohexane	5.60	56	333385	20.80	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	333916	21.34	ug/l	97
36) 1,1-Dichloropropene	5.75	75	298942	22.27	ug/l	98
37) Ethyl Acetate	4.93	43	157147	21.46	ug/l	96
38) Carbon Tetrachloride	5.73	117	274298	20.74	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	287823	21.63	ug/l	99
40) Benzene	6.01	78	696580	22.22	ug/l	99
41) Methacrylonitrile	5.13	41	68207	20.37	ug/l #	94
42) 1,2-Dichloroethane	6.13	62	274392	21.64	ug/l	99
43) Isopropyl Acetate	7.62	43	203529	21.22	ug/l #	99
44) Trichloroethene	6.99	130	193587	21.14	ug/l	94
45) 1,2-Dichloropropane	7.35	63	194354	22.30	ug/l	97
46) Dibromomethane	7.47	93	114763	20.50	ug/l	97
47) Bromodichloromethane	7.74	83	278695	21.26	ug/l	99
48) Methyl methacrylate	7.51	41	122816	20.80	ug/l	98
49) 1,4-Dioxane	7.49	88	19377	396.14	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	630333	102.44	ug/l	98
52) Toluene	8.81	92	401950	22.34	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	243539	21.57	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	293478	22.06	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	122464	21.03	ug/l	96
56) Ethyl methacrylate	9.32	69	153523	21.49	ug/l	99
57) 1,3-Dichloropropane	9.66	76	221442	21.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	396451	109.84	ug/l	95
59) 2-Hexanone	9.79	43	490961	108.88	ug/l	95
60) Dibromochloromethane	9.96	129	172245	20.97	ug/l	98
61) 1,2-Dibromoethane	10.10	107	138602	20.69	ug/l	92
64) Tetrachloroethene	9.52	164	187408	21.99	ug/l	99
65) Chlorobenzene	10.73	112	429116	22.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	162733	21.94	ug/l	99
67) Ethyl Benzene	10.85	91	784559	22.50	ug/l	100
68) m/p-Xylenes	11.01	106	532881	46.87	ug/l	98
69) o-Xylene	11.41	106	255710	22.66	ug/l	100
70) Styrene	11.44	104	420206	22.49	ug/l	98
71) Bromoform	11.60	173	115202	20.65	ug/l	91
73) Isopropylbenzene	11.77	105	709143	20.57	ug/l	99
74) N-amyl acetate	11.64	43	266320	20.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	154763	20.59	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	154534	19.76	ug/l	99
77) Bromobenzene	12.04	156	210196	20.60	ug/l	94
78) n-propylbenzene	12.15	91	953713	21.26	ug/l	99
79) 2-Chlorotoluene	12.21	91	521126	20.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	559711	16.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	39026	20.15	ug/l	92
82) 4-Chlorotoluene	12.32	91	582040	20.82	ug/l	98
83) tert-Butylbenzene	12.58	119	622829	20.51	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	612985	21.20	ug/l	99
85) sec-Butylbenzene	12.75	105	786878	21.48	ug/l	100
86) p-Isopropyltoluene	12.88	119	611874	20.72	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	370136	21.44	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	351016	20.87	ug/l	97
89) n-Butylbenzene	13.20	91	672098	22.11	ug/l	98
90) Hexachloroethane	13.40	117	158639	21.05	ug/l	85
91) 1,2-Dichlorobenzene	13.20	146	305282	21.88	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21430	18.47	ug/l #	37

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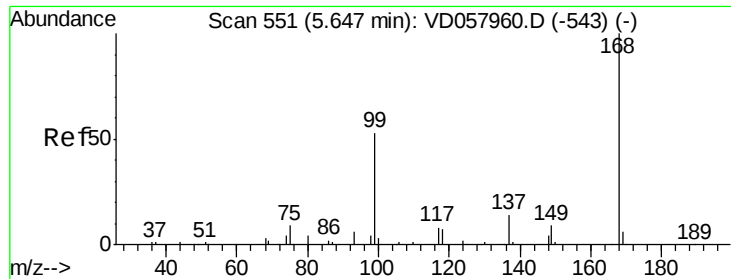
Instrument :
MSVOA_D
ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259857	19.94	ug/l	97
94) Hexachlorobutadiene	14.44	225	202469	19.75	ug/l	97
95) Naphthalene	14.52	128	342224	20.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	227601	20.49	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

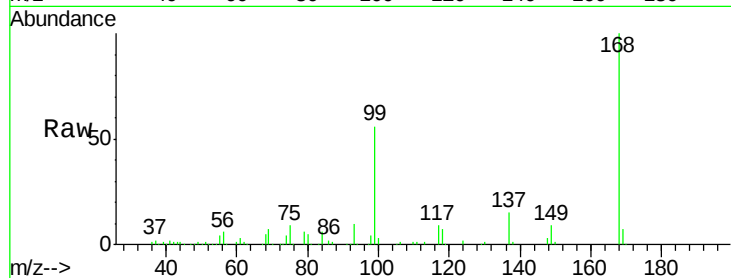
VSTDIC020

Tgt Ion:168 Resp: 921894

Ion Ratio Lower Upper

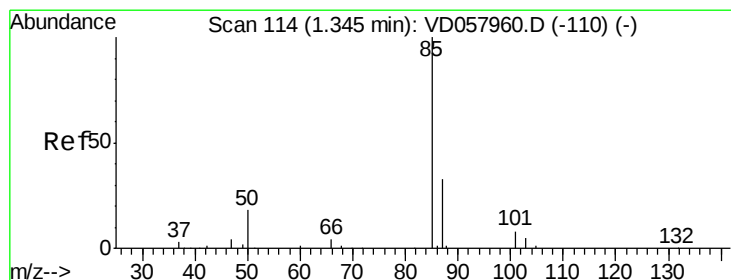
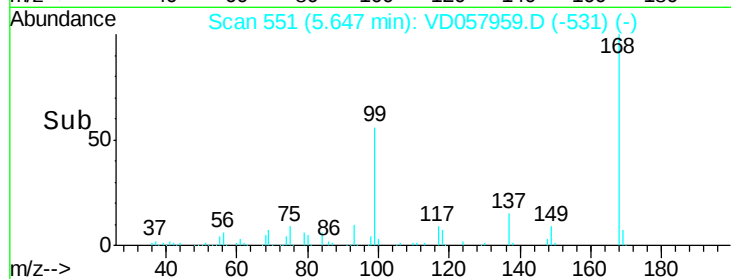
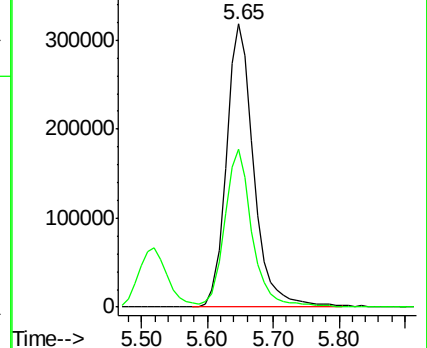
168 100

99 55.9 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: 22.43 ug/l

RT: 1.34 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD057959.D

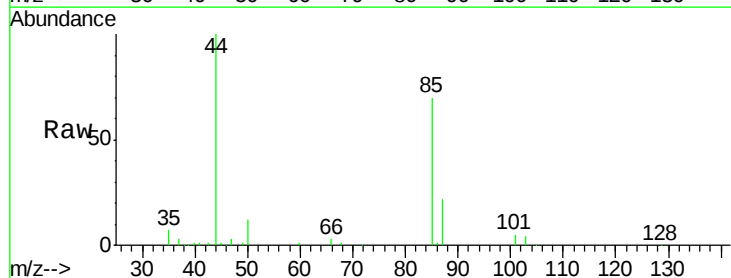
Acq: 6 Jun 2018 18:50

Tgt Ion: 85 Resp: 277517

Ion Ratio Lower Upper

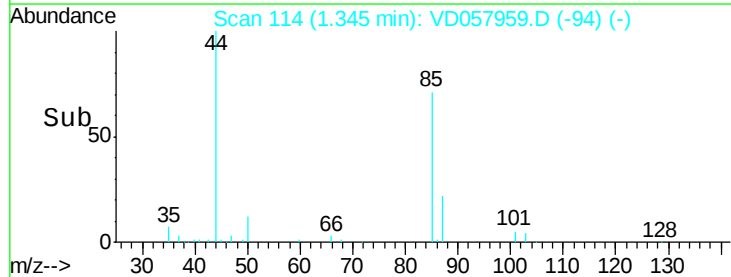
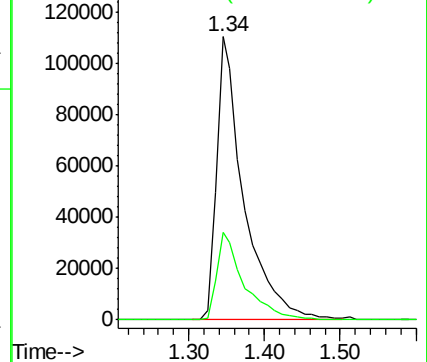
85 100

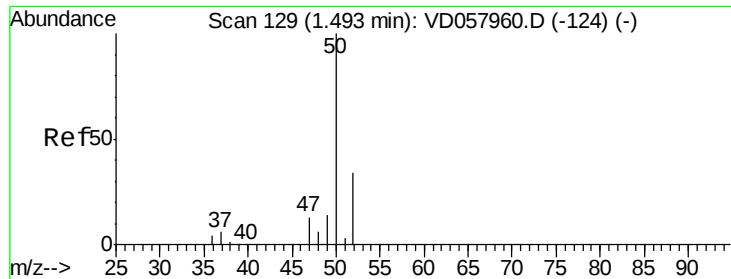
87 30.9 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.95 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

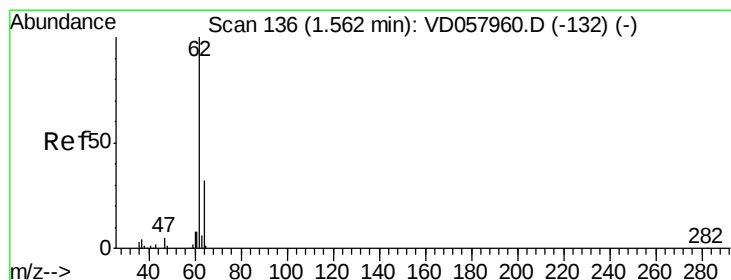
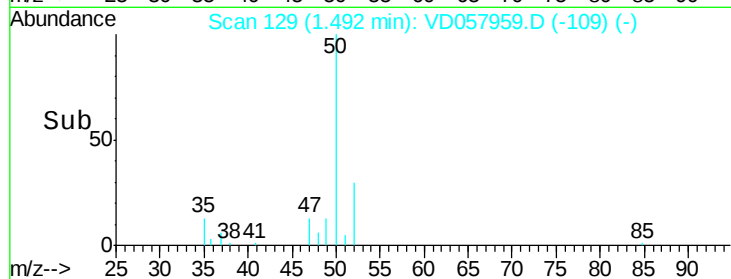
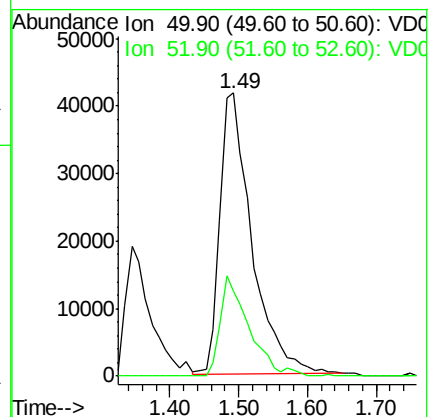
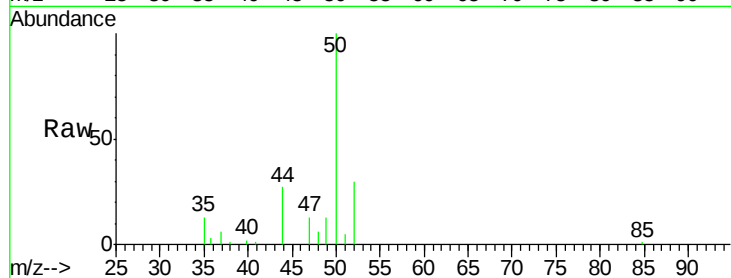
VSTDIC020

Tgt Ion: 50 Resp: 133783

Ion Ratio Lower Upper

50 100

52 29.8 27.2 40.8



#4

Vinyl Chloride

Concen: 21.05 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD057959.D

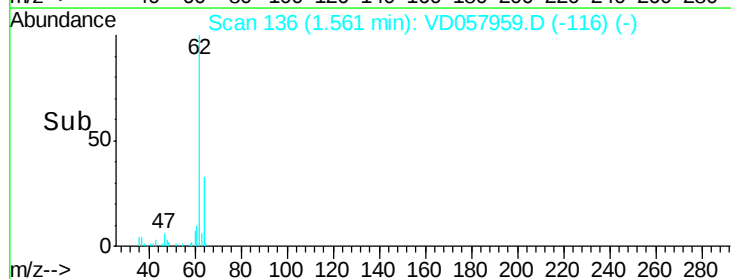
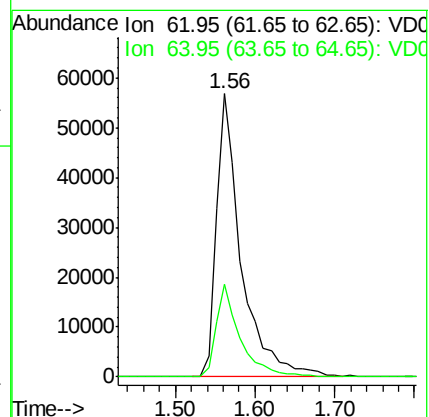
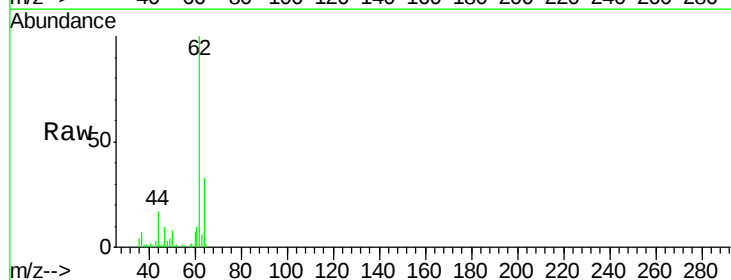
Acq: 6 Jun 2018 18:50

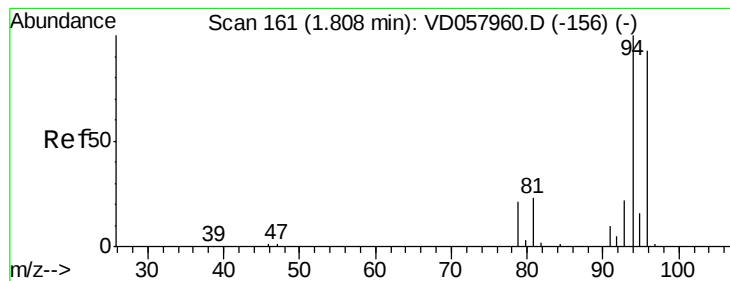
Tgt Ion: 62 Resp: 124148

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 18.20 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

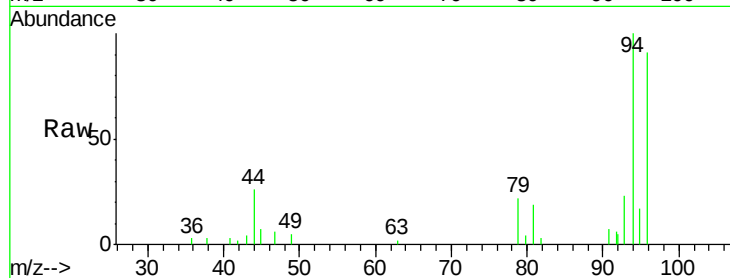
VSTDIC020

Tgt Ion: 94 Resp: 42071

Ion Ratio Lower Upper

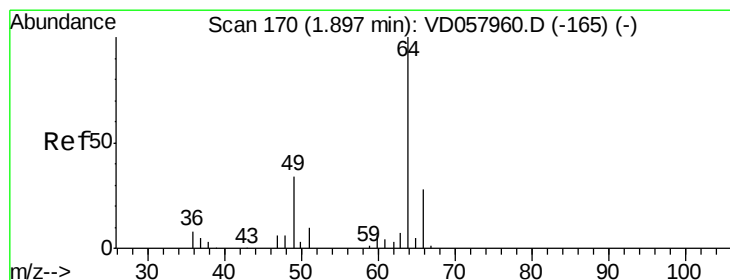
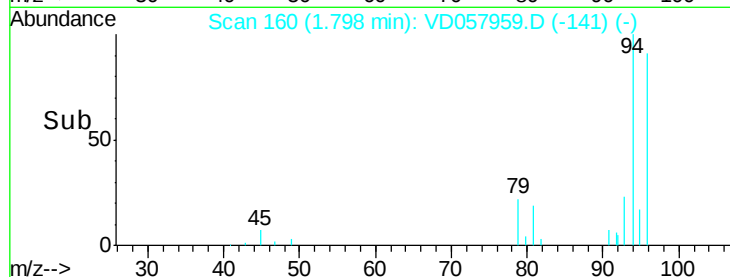
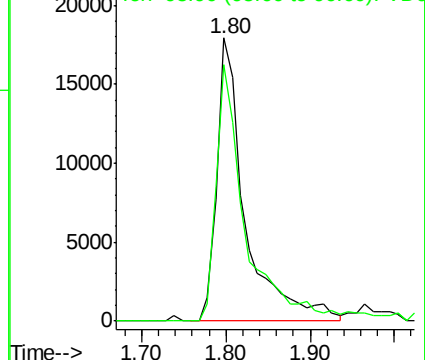
94 100

96 90.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.61 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057959.D

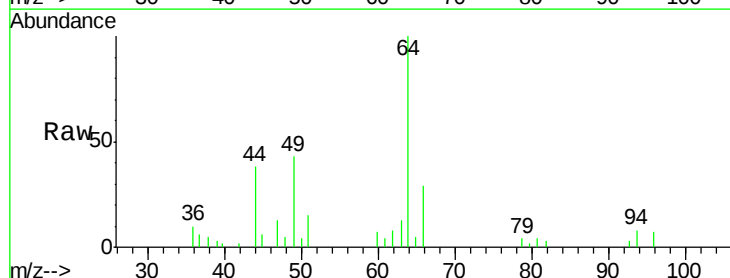
Acq: 6 Jun 2018 18:50

Tgt Ion: 64 Resp: 40978

Ion Ratio Lower Upper

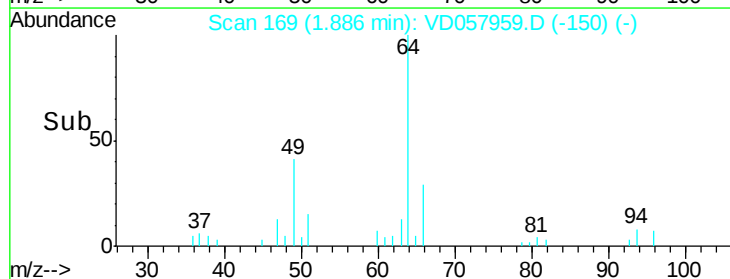
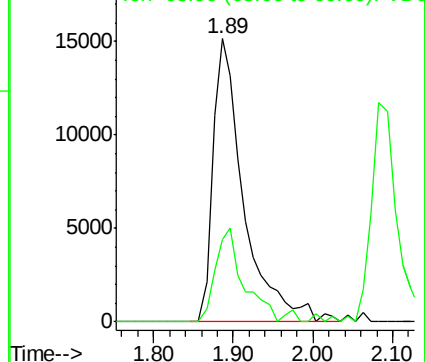
64 100

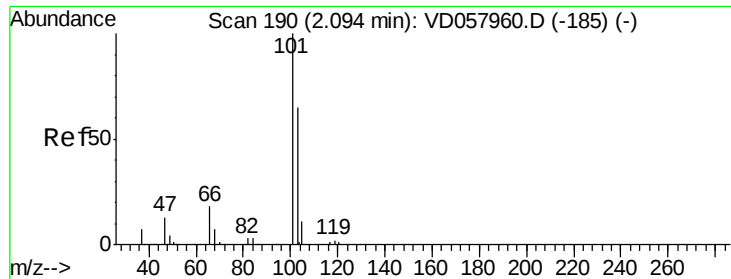
66 29.2 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



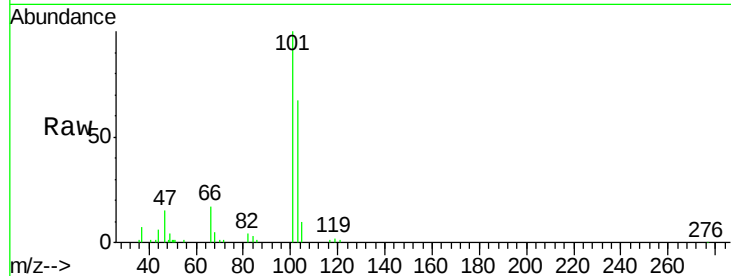


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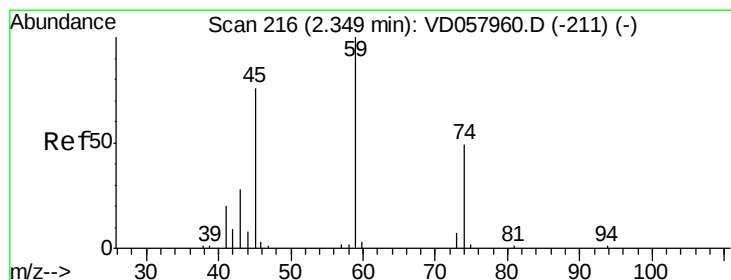
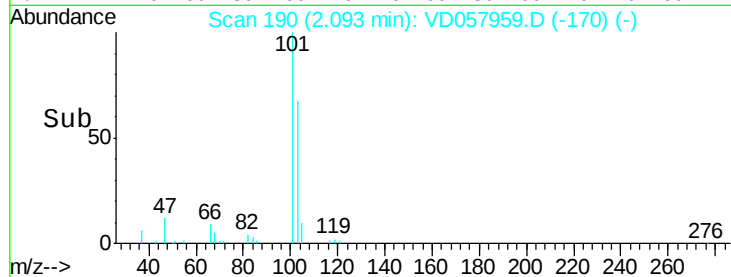
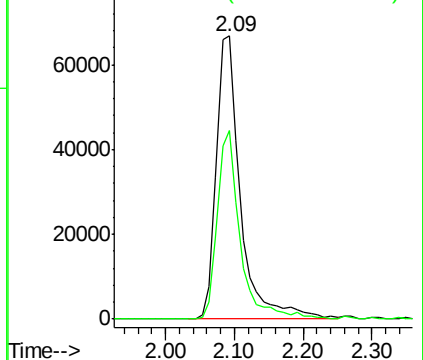
Trichlorofluoromethane
 Concen: 20.15 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Instrument :
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 ClientSampleId :
 VSTDIC020

Tgt Ion: 101 Resp: 162497
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.4 78.6



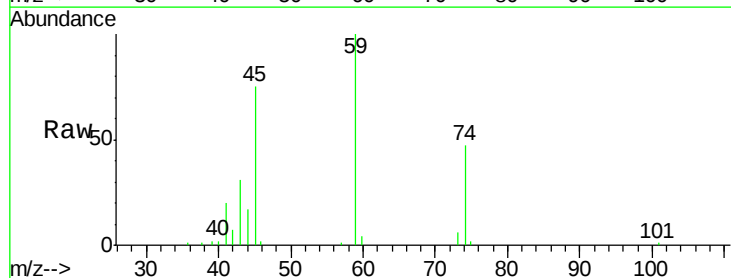
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



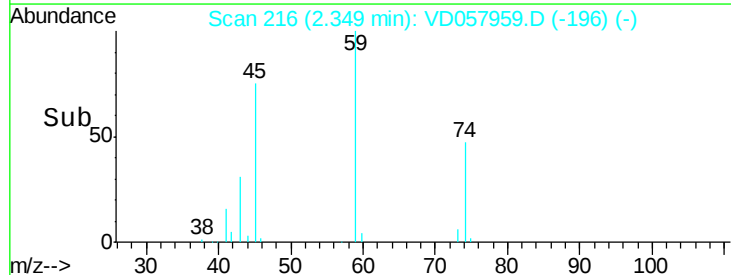
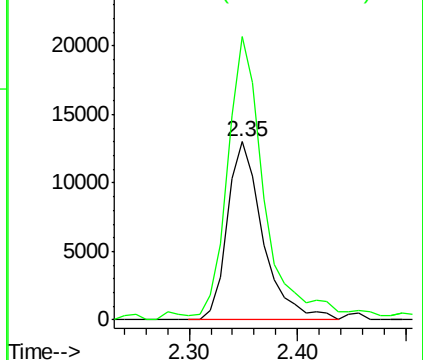
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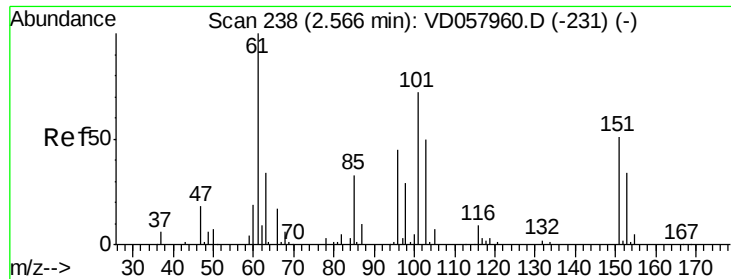
Diethyl Ether
 Concen: 19.84 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Tgt Ion: 74 Resp: 29720
 Ion Ratio Lower Upper
 74 100
 45 158.9 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: 21.98 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

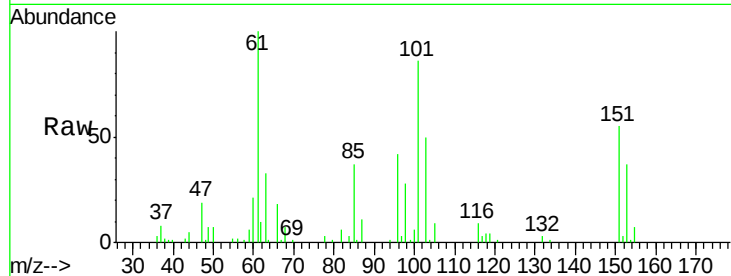
Tgt Ion:101 Resp: 105688

Ion Ratio Lower Upper

101 100

85 43.1 37.3 55.9

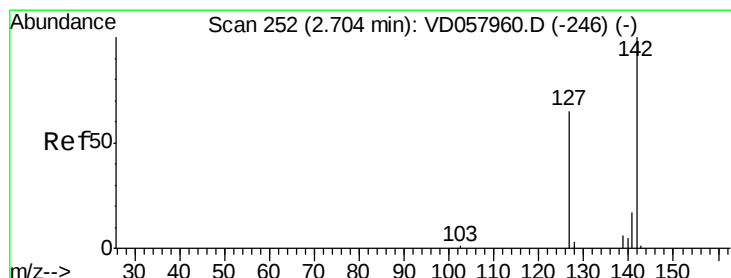
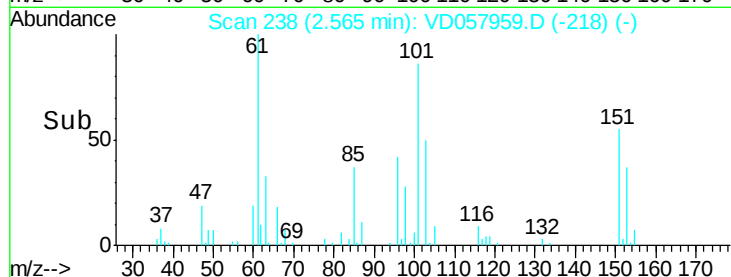
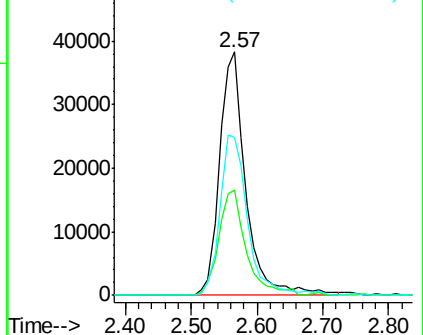
151 64.7 57.0 85.6



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: 19.94 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

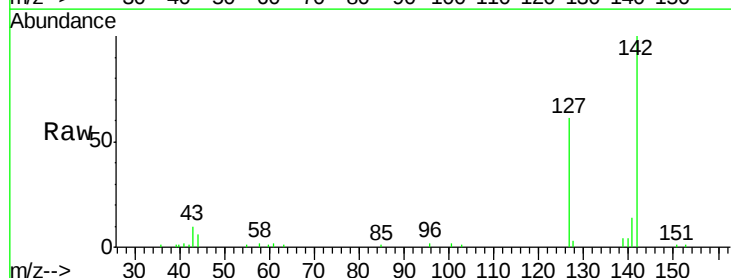
Tgt Ion:142 Resp: 123732

Ion Ratio Lower Upper

142 100

127 60.6 52.0 78.0

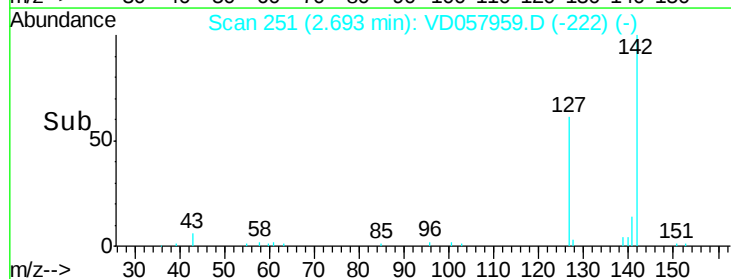
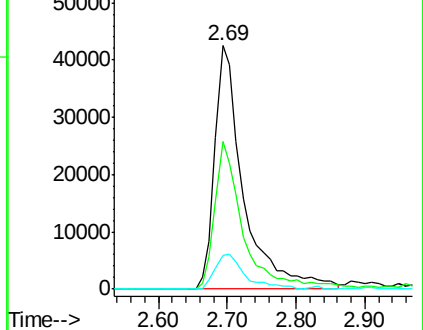
141 14.1 13.2 19.8

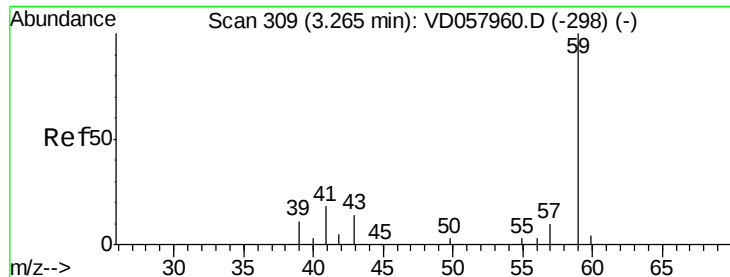


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

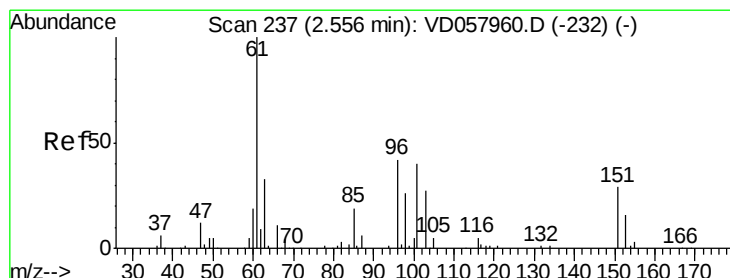
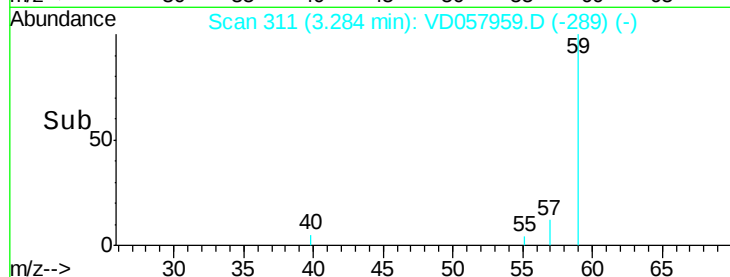
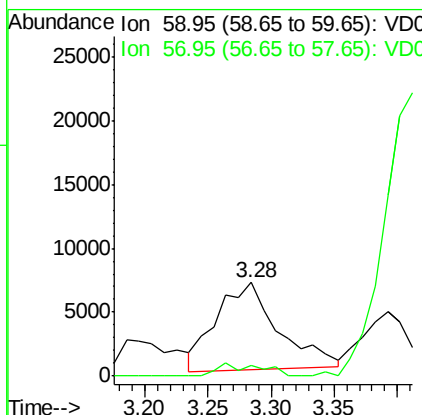
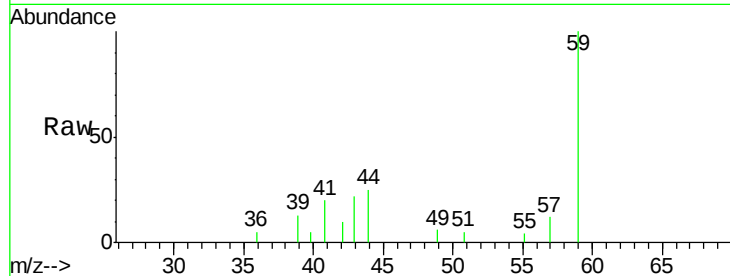




#11
Tert butyl alcohol
Concen: 93.80 ug/l
RT: 3.28 min Scan# 311
Delta R.T. 0.02 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

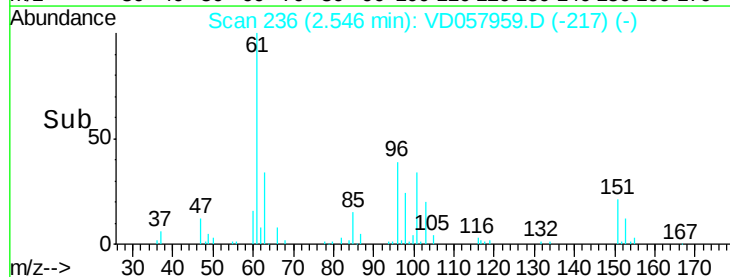
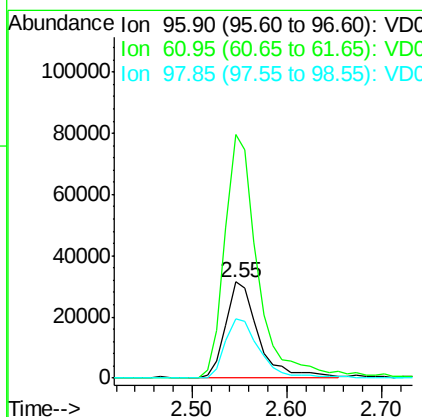
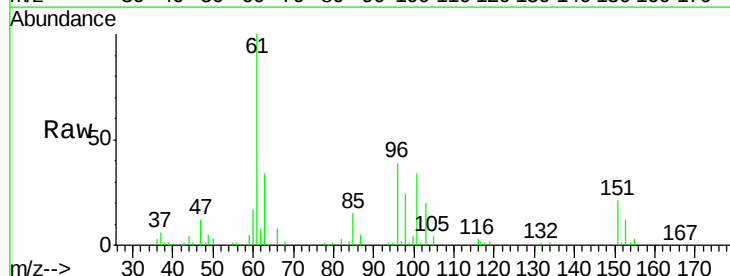
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

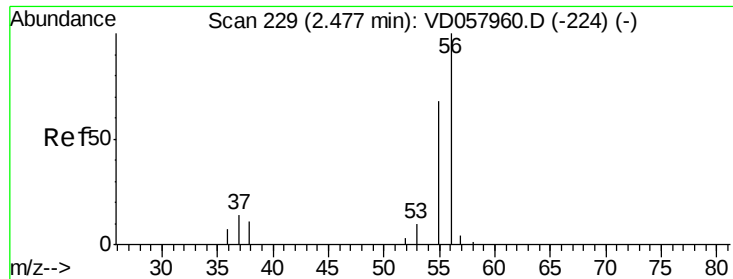
Tgt Ion: 59 Resp: 23159
Ion Ratio Lower Upper
59 100
57 11.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 20.43 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 96 Resp: 75537
Ion Ratio Lower Upper
96 100
61 253.7 190.2 285.4
98 61.8 49.6 74.4





#13

Acrolein

Concen: 108.91 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

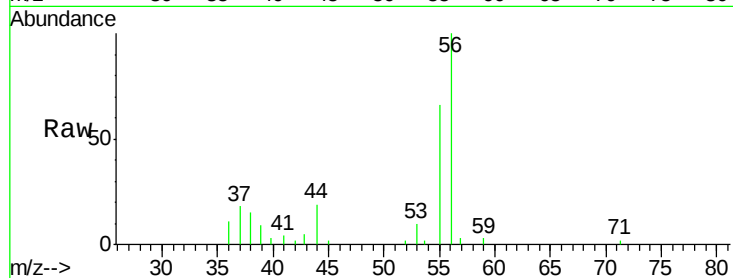
VSTDIC020

Tgt Ion: 56 Resp: 38509

Ion Ratio Lower Upper

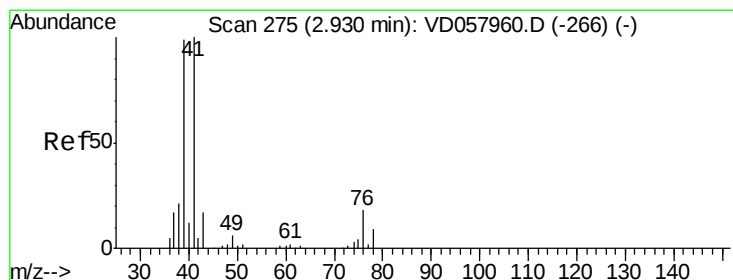
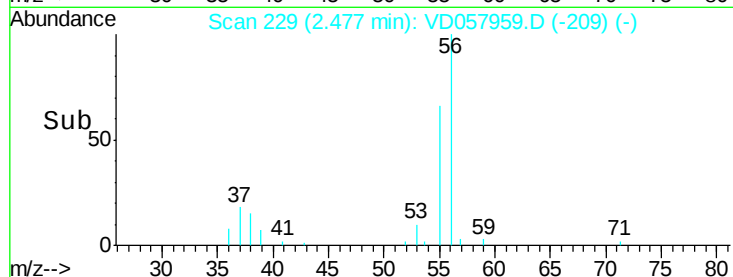
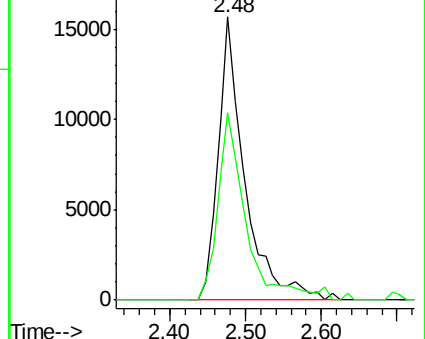
56 100

55 66.1 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: 20.35 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

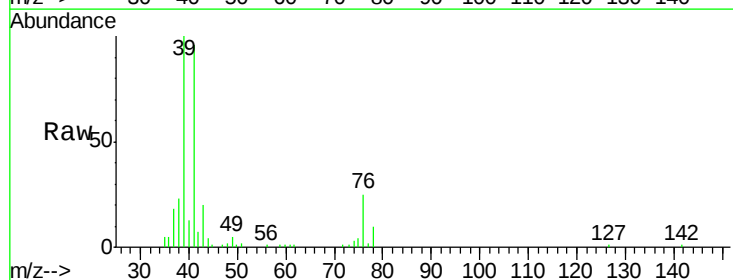
Tgt Ion: 41 Resp: 173561

Ion Ratio Lower Upper

41 100

39 103.8 79.5 119.3

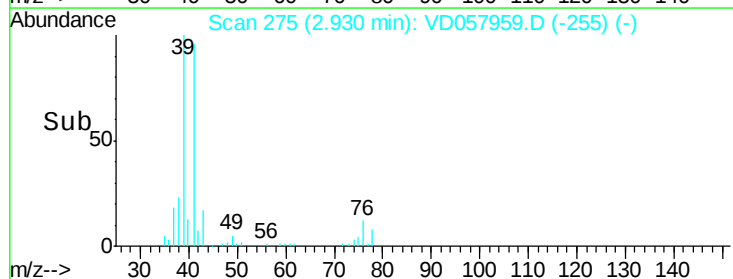
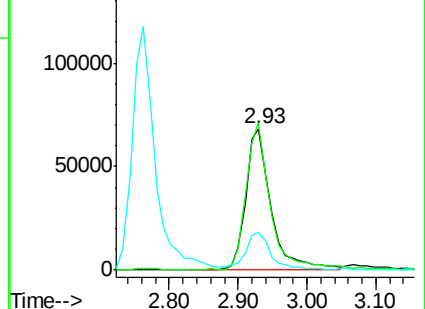
76 26.4 20.7 31.1

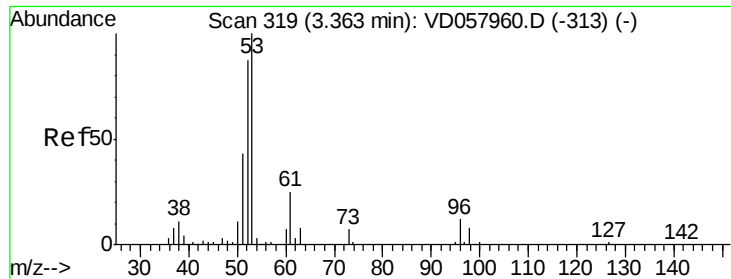


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.42 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

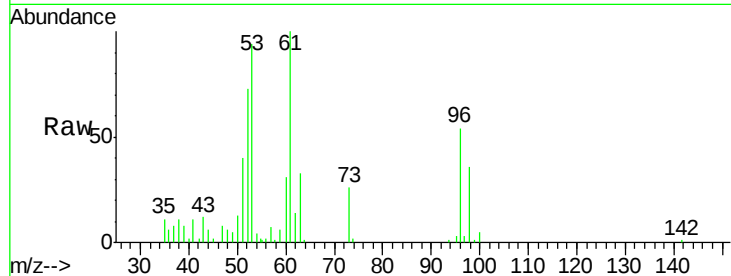
Tgt Ion: 53 Resp: 149375

Ion Ratio Lower Upper

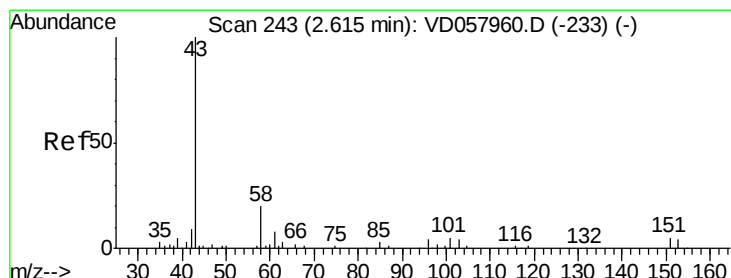
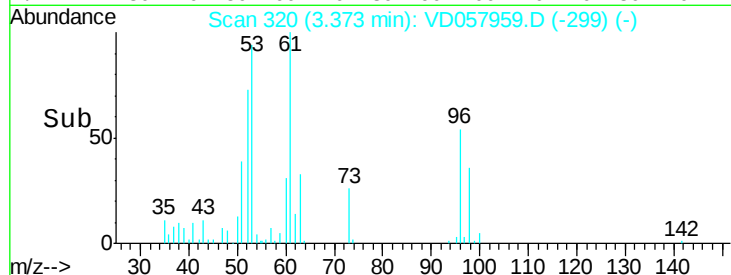
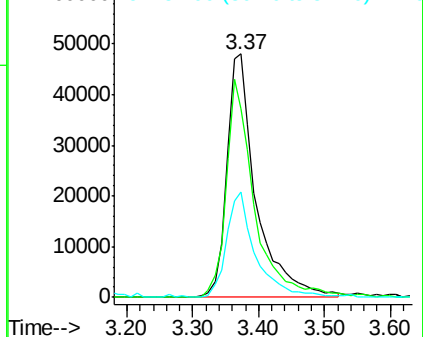
53 100

52 77.6 69.9 104.9

51 43.2 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: 94.71 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057959.D

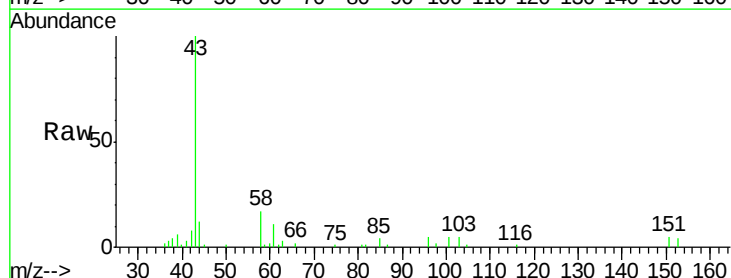
Acq: 6 Jun 2018 18:50

Tgt Ion: 43 Resp: 125757

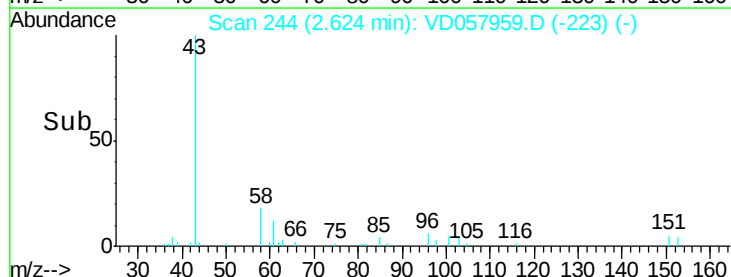
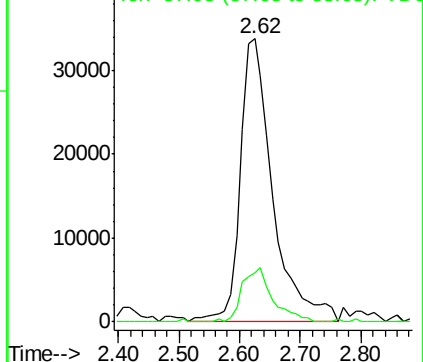
Ion Ratio Lower Upper

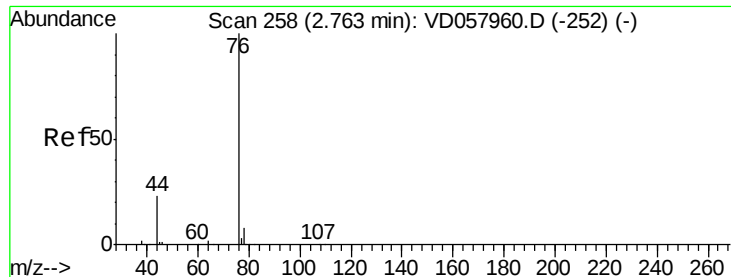
43 100

58 17.4 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: 20.29 ug/l

RT: 2.76 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

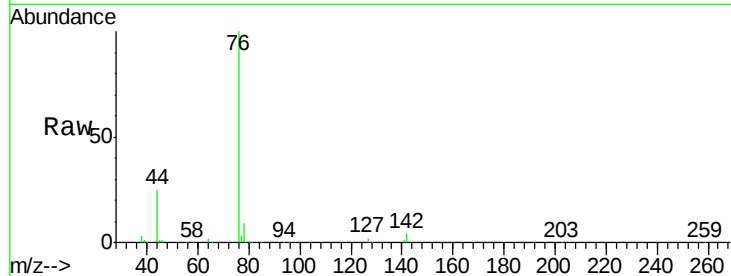
VSTDIC020

Tgt Ion: 76 Resp: 271810

Ion Ratio Lower Upper

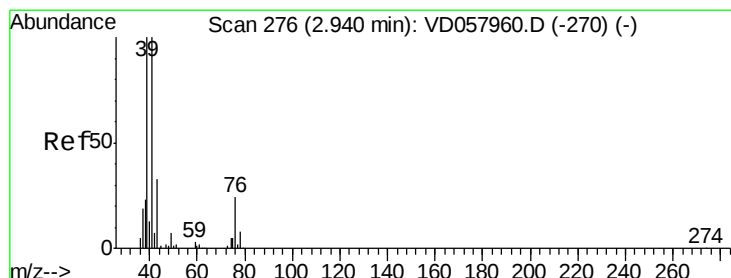
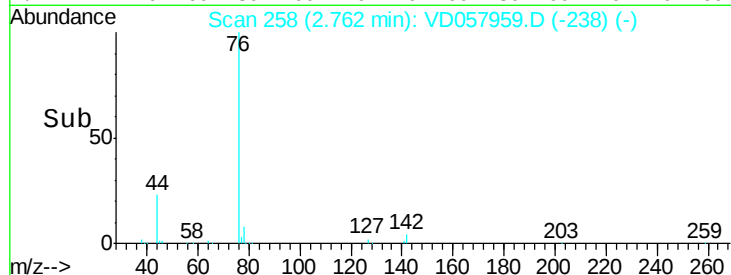
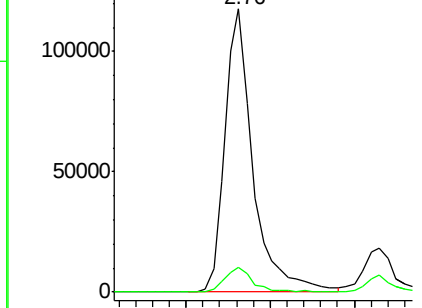
76 100

78 8.6 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.94 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.00 min

Lab File: VD057959.D

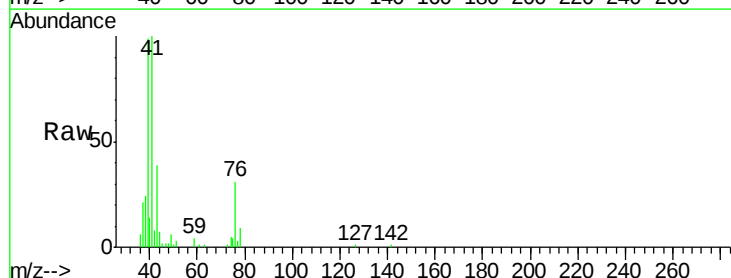
Acq: 6 Jun 2018 18:50

Tgt Ion: 43 Resp: 53788

Ion Ratio Lower Upper

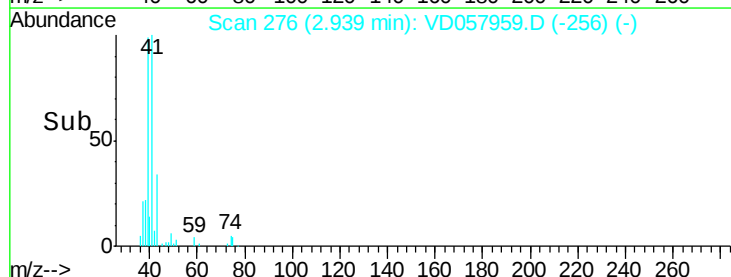
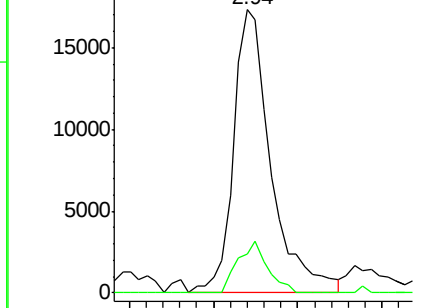
43 100

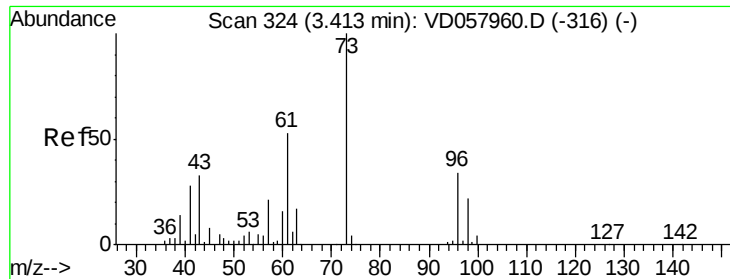
74 13.7 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

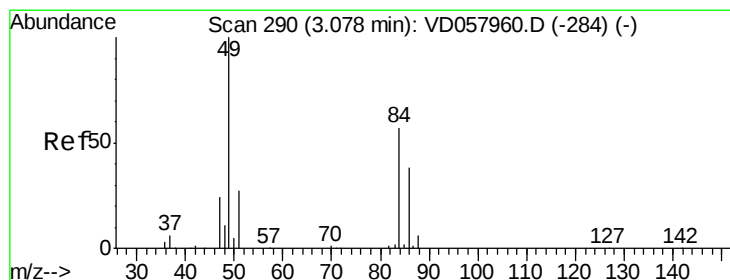
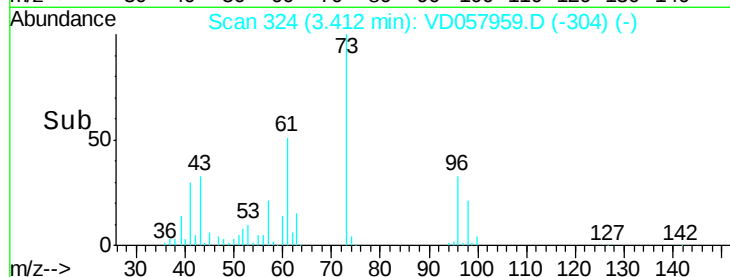
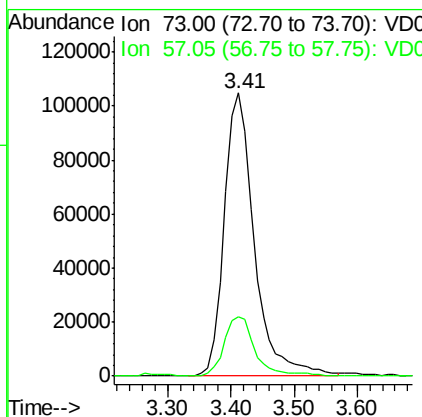
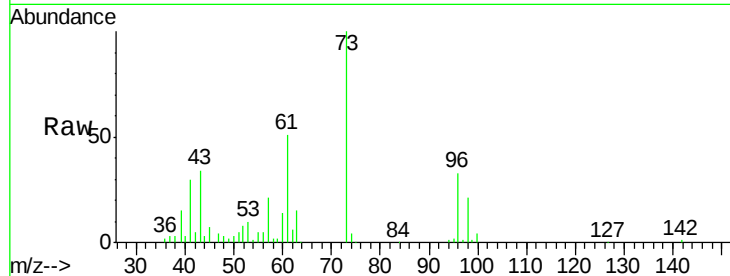




#19
Methyl tert-butyl Ether
Concen: 21.33 ug/l
RT: 3.41 min Scan# 324
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

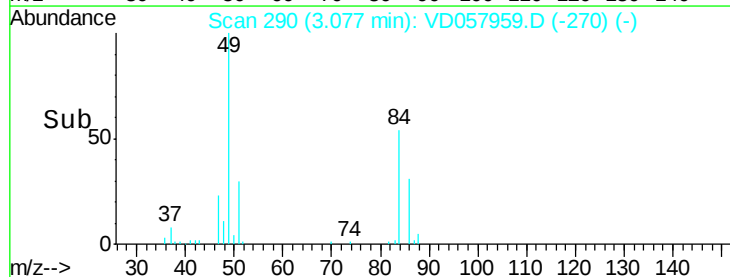
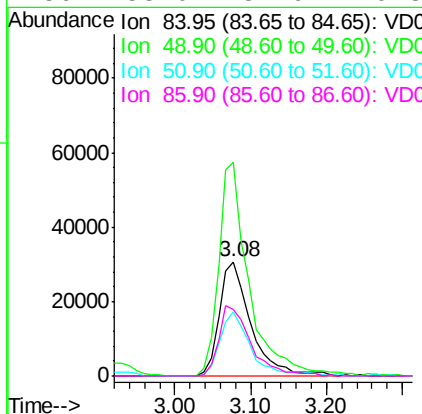
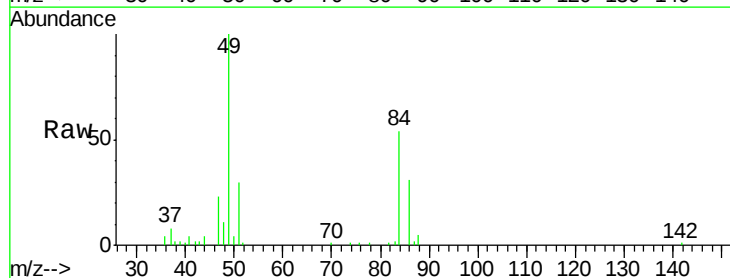
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

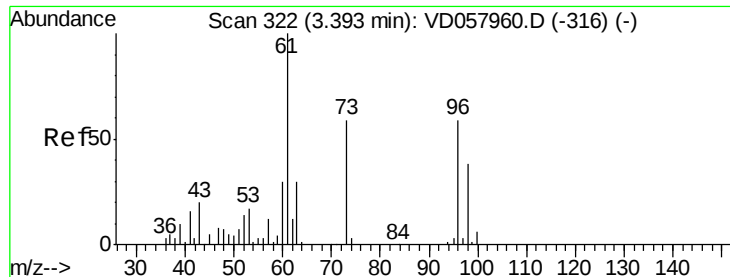
Tgt Ion: 73 Resp: 347046
Ion Ratio Lower Upper
73 100
57 21.1 16.7 25.1



#20
Methylene Chloride
Concen: 19.67 ug/l
RT: 3.08 min Scan# 290
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 84 Resp: 89266
Ion Ratio Lower Upper
84 100
49 186.9 141.4 212.0
51 56.0 38.3 57.5
86 58.0 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 21.75 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

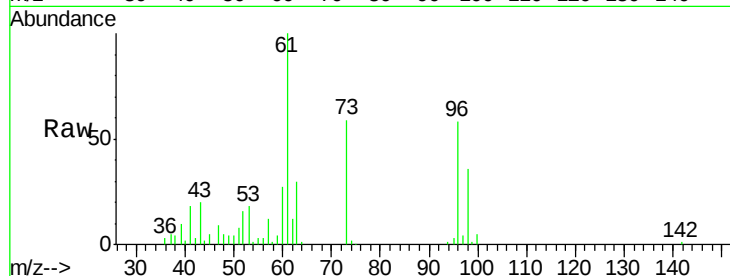
Tgt Ion: 96 Resp: 179144

Ion Ratio Lower Upper

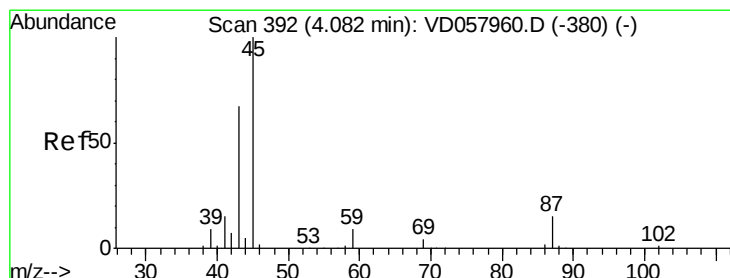
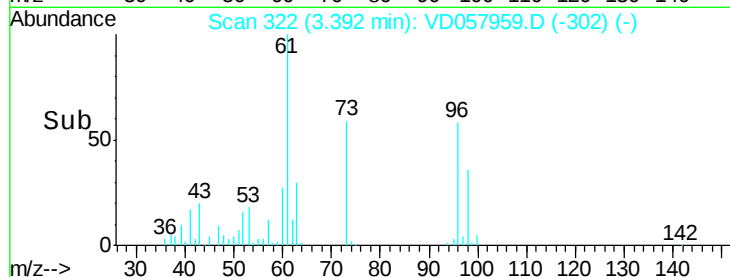
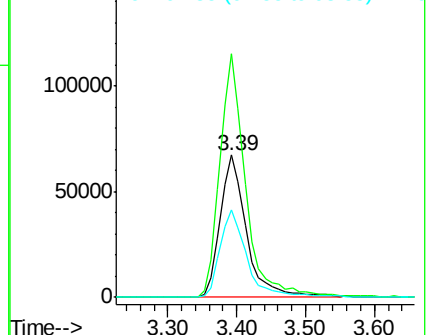
96 100

61 171.2 135.2 202.8

98 61.7 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: 21.62 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Tgt Ion: 45 Resp: 730563

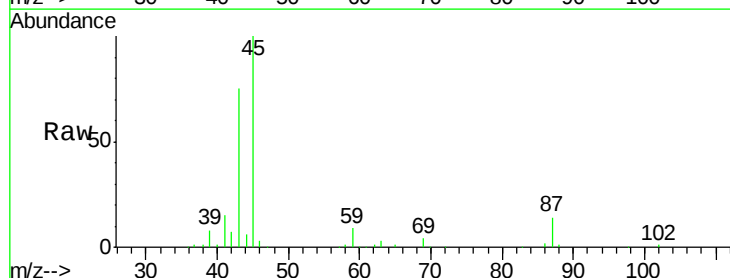
Ion Ratio Lower Upper

45 100

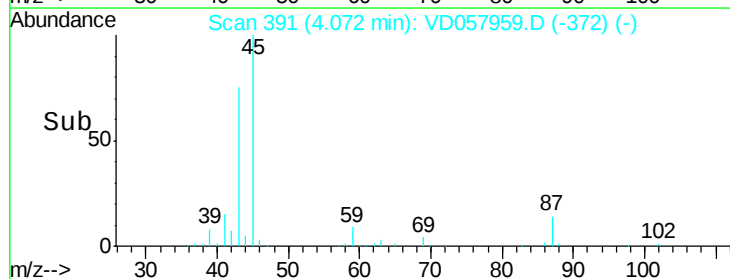
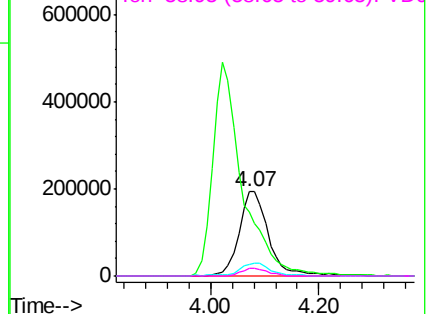
43 75.4 53.8 80.8

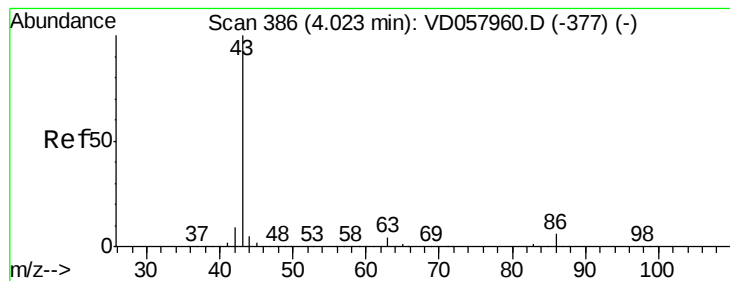
87 14.2 12.5 18.7

59 8.8 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: 105.77 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

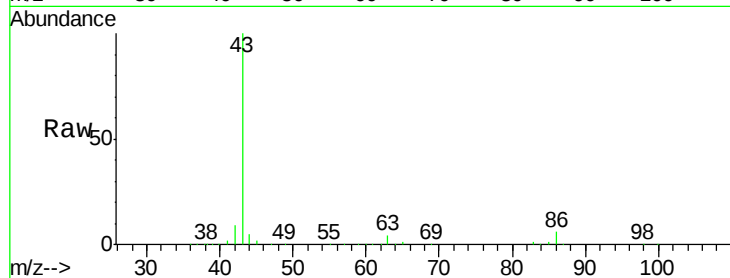
VSTDIC020

Tgt Ion: 43 Resp: 1846631

Ion Ratio Lower Upper

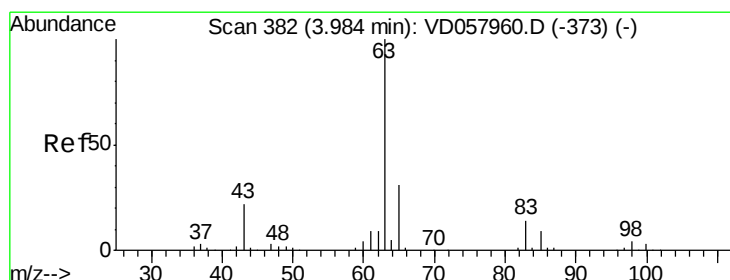
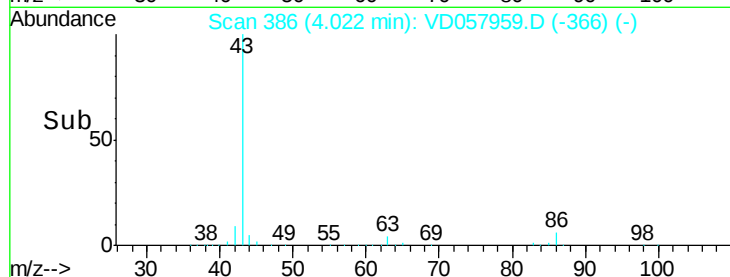
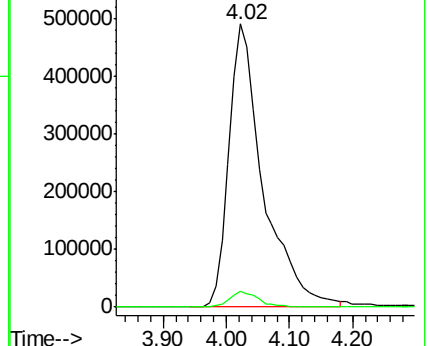
43 100

86 5.7 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: 21.37 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

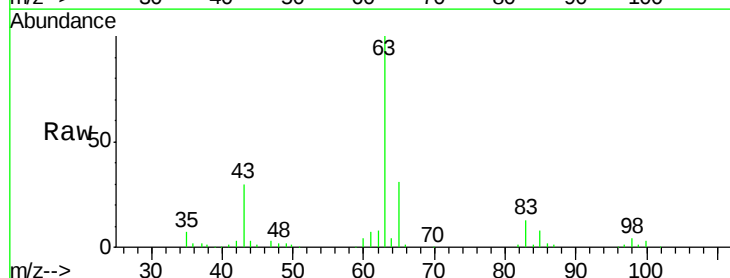
Tgt Ion: 63 Resp: 396939

Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

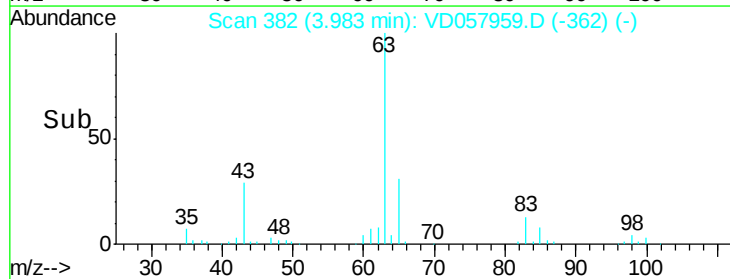
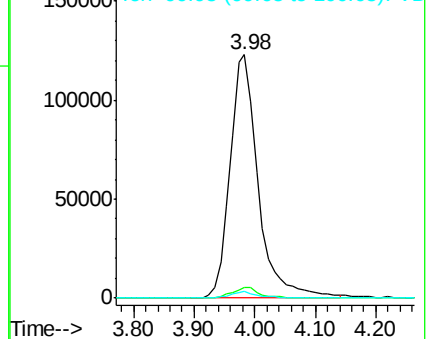
100 2.6 1.4 4.2

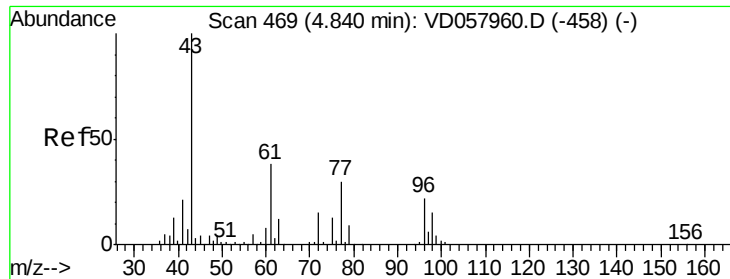


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.52 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

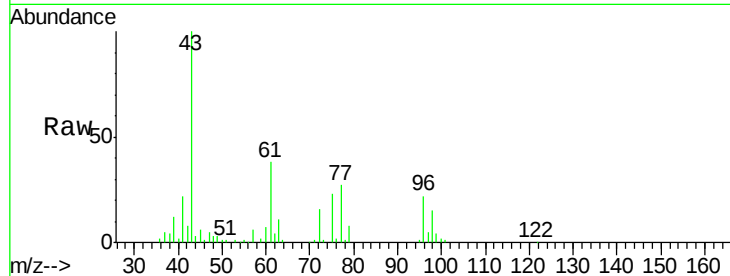
VSTDIC020

Tgt Ion: 43 Resp: 309374

Ion Ratio Lower Upper

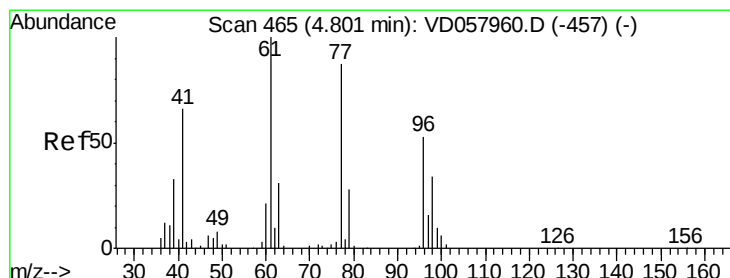
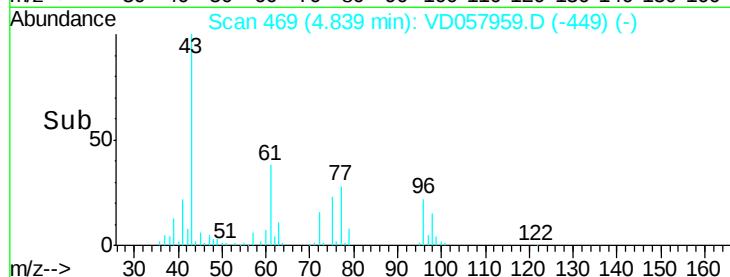
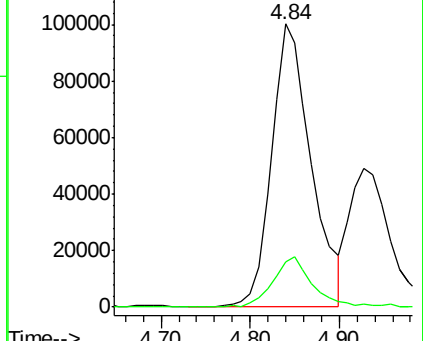
43 100

72 16.2 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: 21.17 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD057959.D

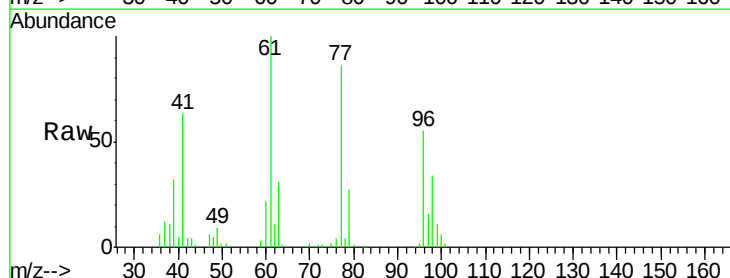
Acq: 6 Jun 2018 18:50

Tgt Ion: 77 Resp: 323853

Ion Ratio Lower Upper

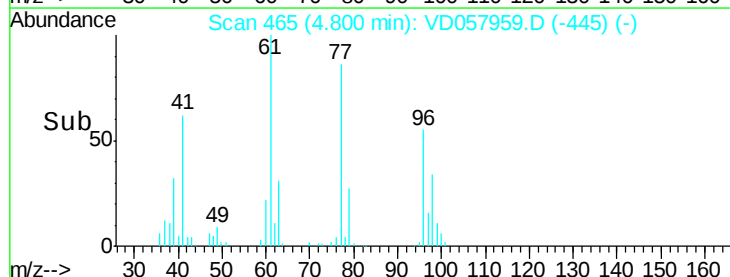
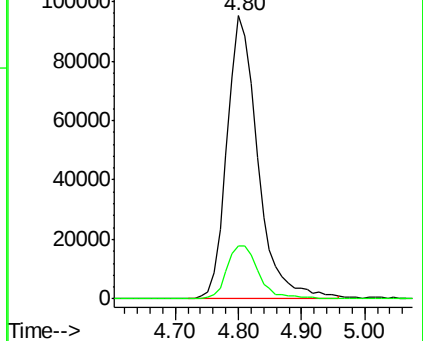
77 100

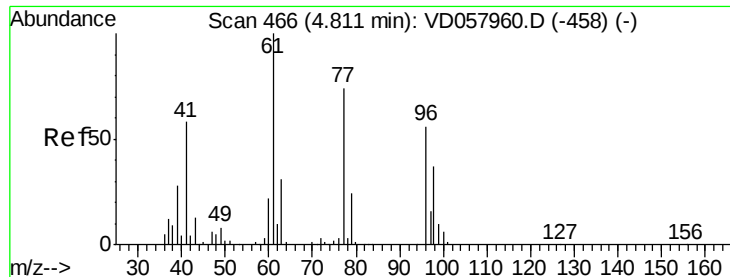
97 18.8 9.2 27.6



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: 21.17 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

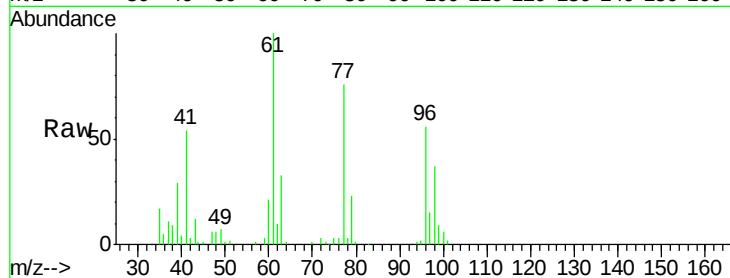
Tgt Ion: 96 Resp: 206761

Ion Ratio Lower Upper

96 100

61 177.8 0.0 355.0

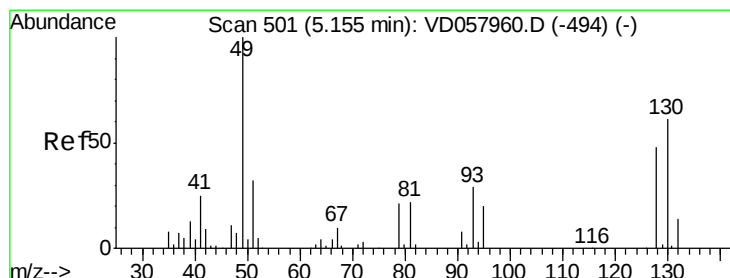
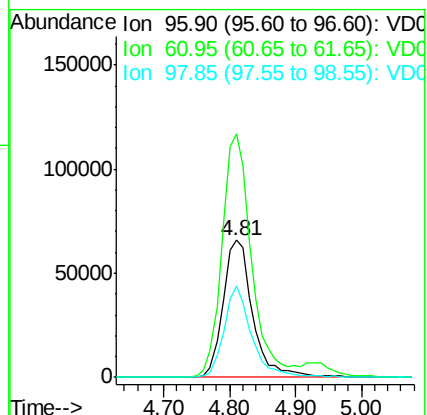
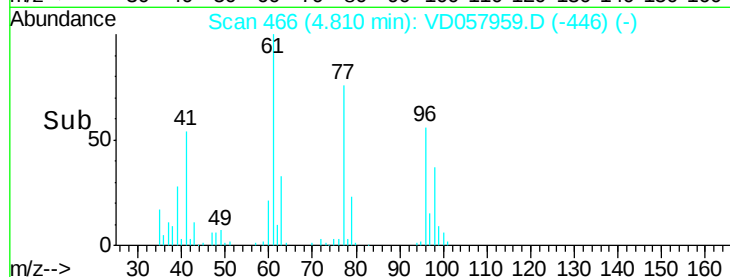
98 66.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 21.79 ug/l

RT: 5.15 min Scan# 501

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

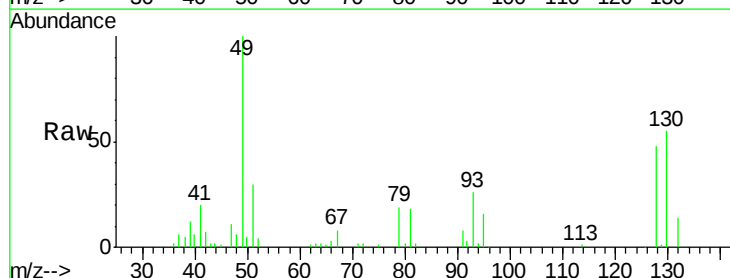
Tgt Ion: 49 Resp: 175156

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

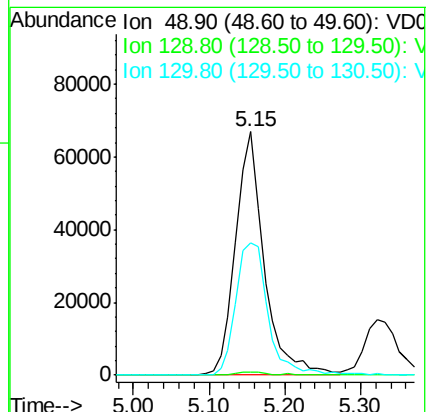
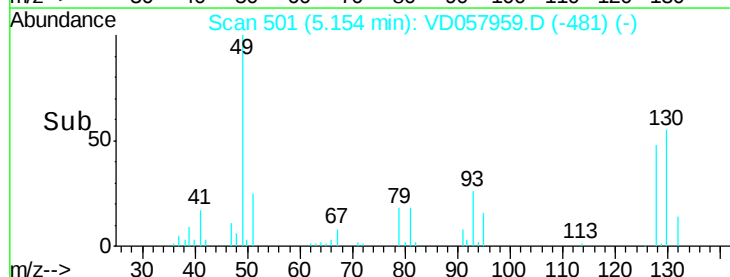
130 54.6 48.8 73.2

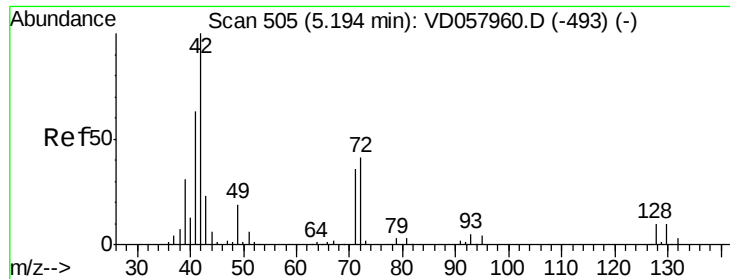


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

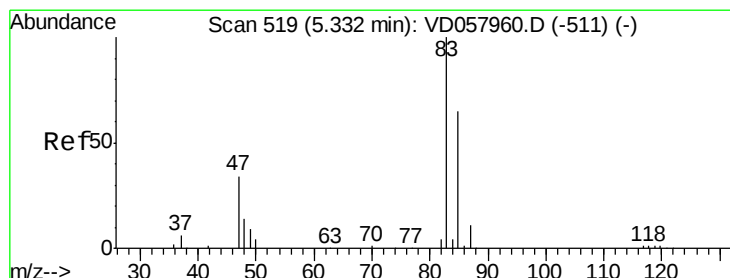
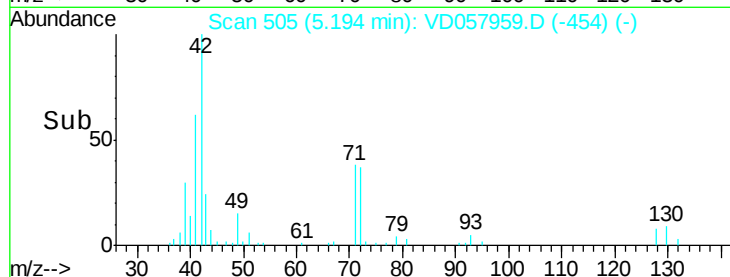
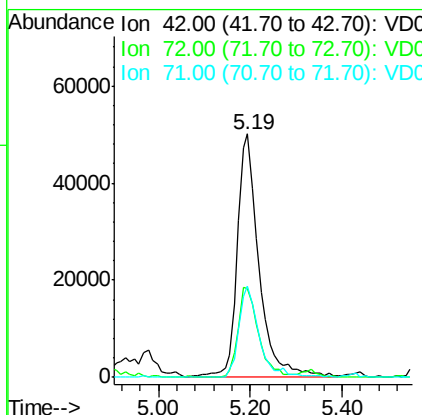
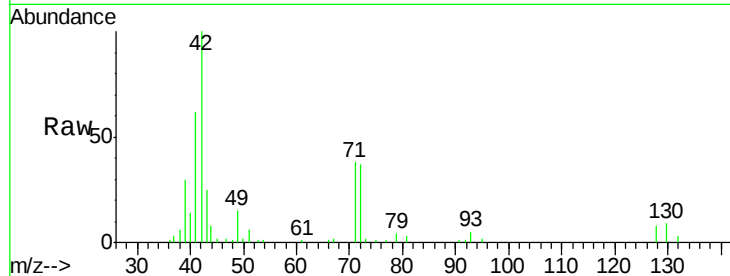




#29
Tetrahydrofuran
Concen: 105.72 ug/l
RT: 5.19 min Scan# 505
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

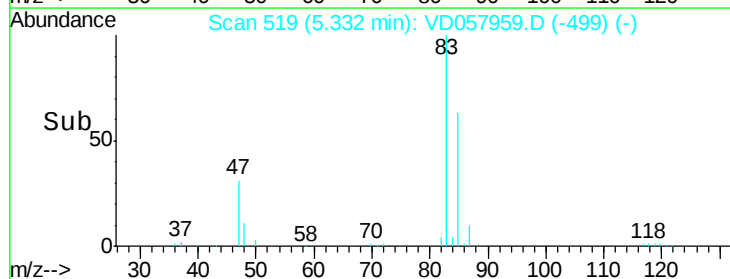
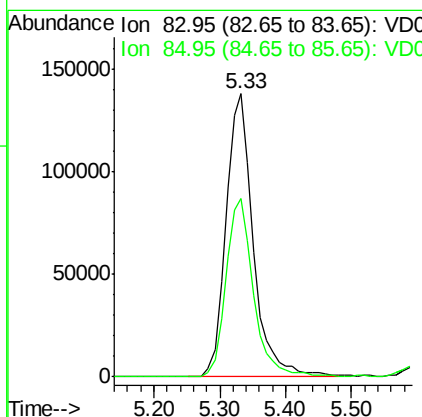
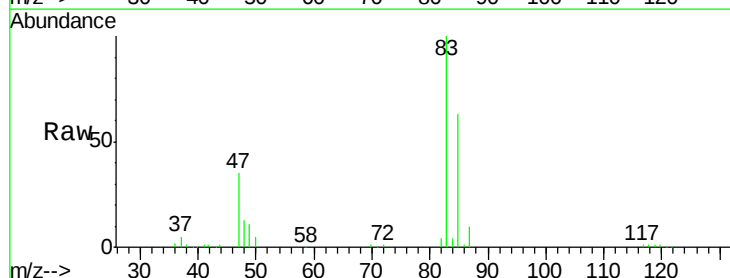
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

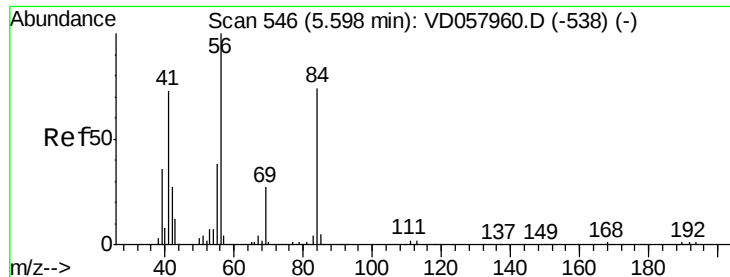
Tgt Ion: 42 Resp: 167244
Ion Ratio Lower Upper
42 100
72 34.6 28.5 42.7
71 34.7 27.9 41.9



#30
Chloroform
Concen: 21.35 ug/l
RT: 5.33 min Scan# 519
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 83 Resp: 399094
Ion Ratio Lower Upper
83 100
85 63.1 51.6 77.4

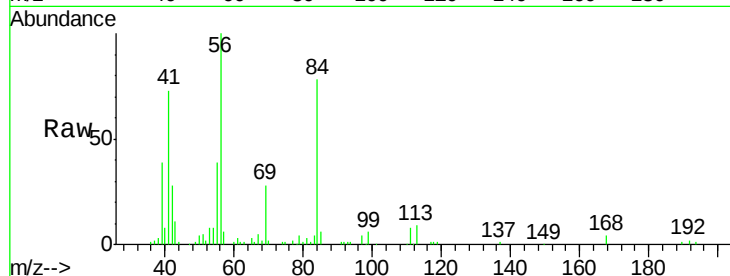




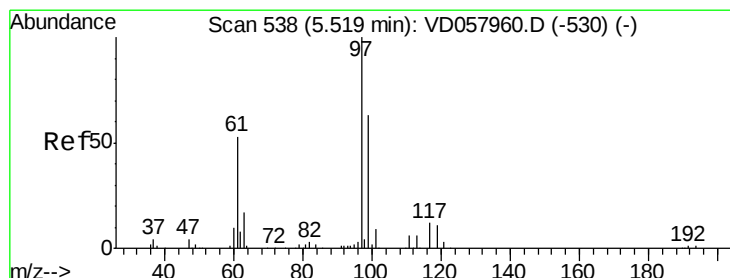
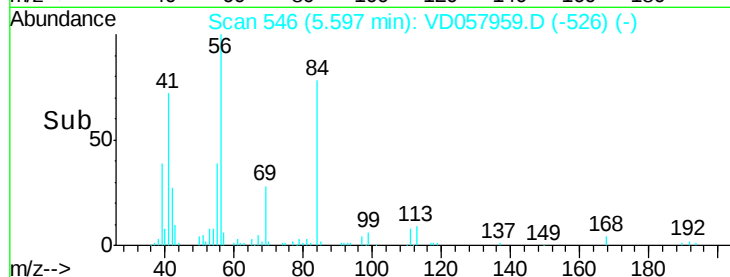
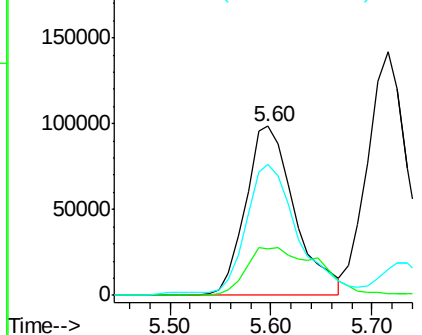
#31
Cyclohexane
Concen: 20.80 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 333385
Ion Ratio Lower Upper
56 100
69 27.7 21.5 32.3
84 77.6 61.0 91.6

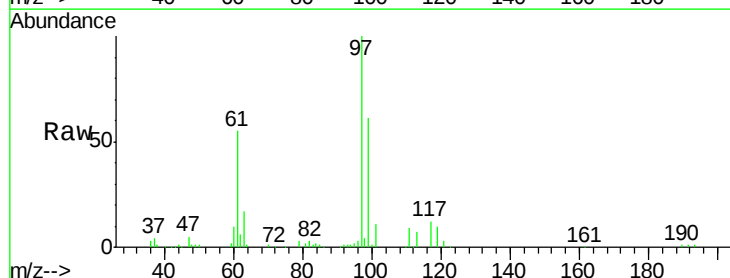


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

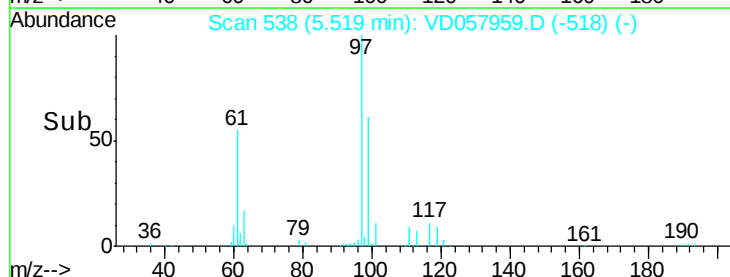
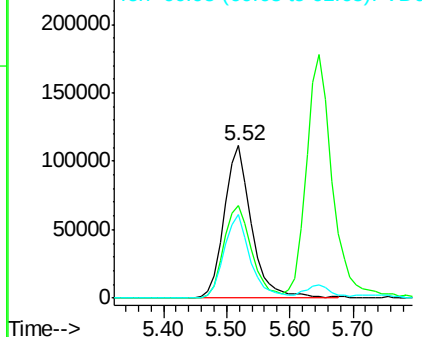


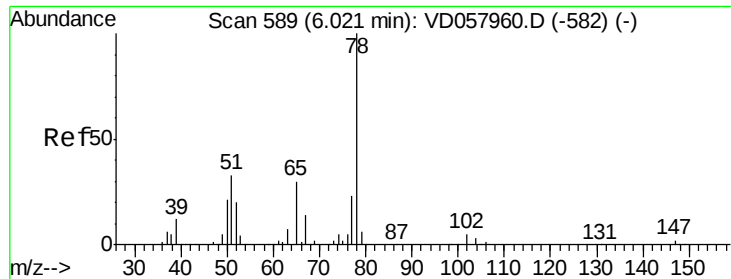
#32
1,1,1-Trichloroethane
Concen: 21.34 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 97 Resp: 333916
Ion Ratio Lower Upper
97 100
99 60.6 50.1 75.1
61 55.0 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: 21.34 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

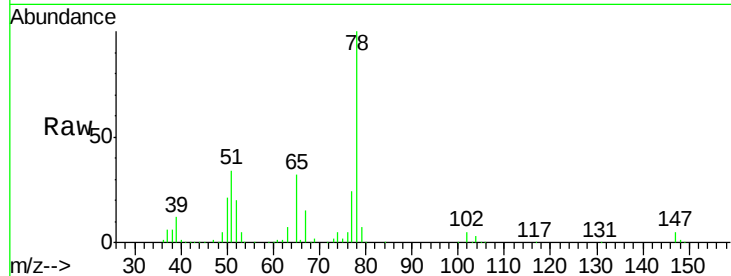
VSTDIC020

Tgt Ion: 65 Resp: 196973

Ion Ratio Lower Upper

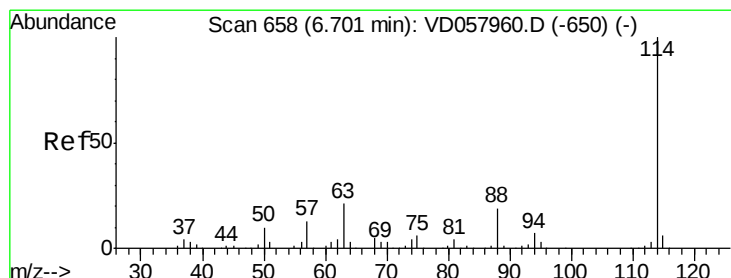
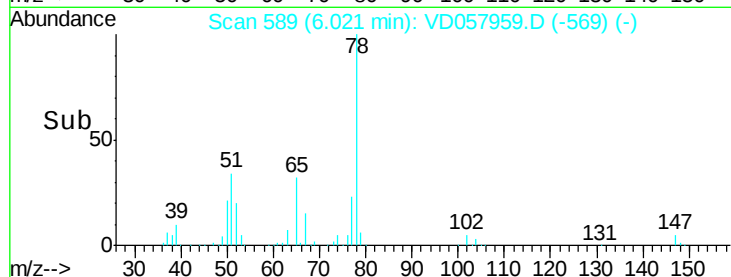
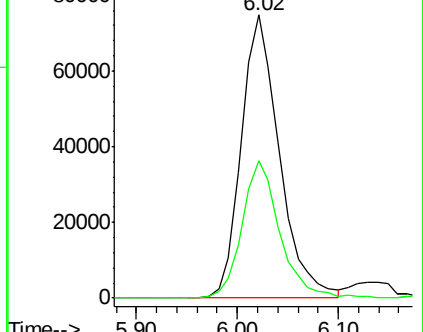
65 100

67 48.4 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

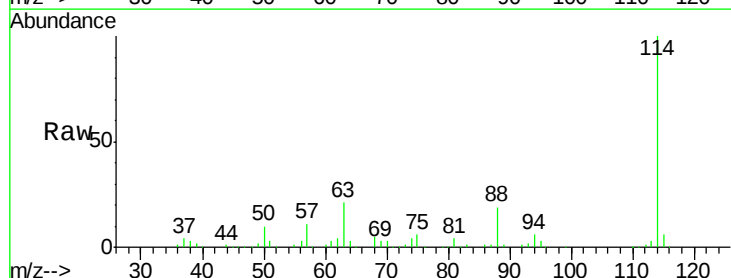
Tgt Ion: 114 Resp: 1218300

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

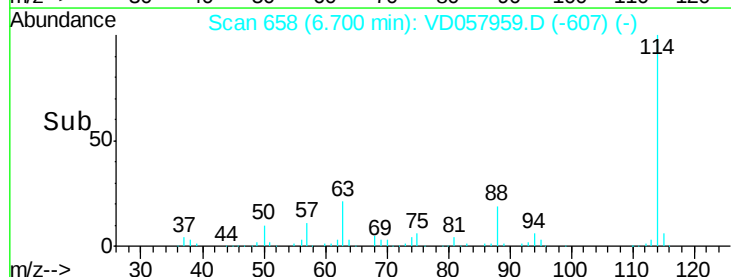
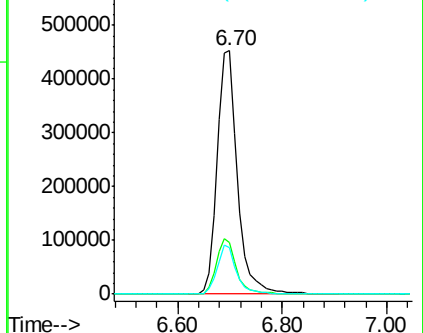
88 19.1 0.0 37.8

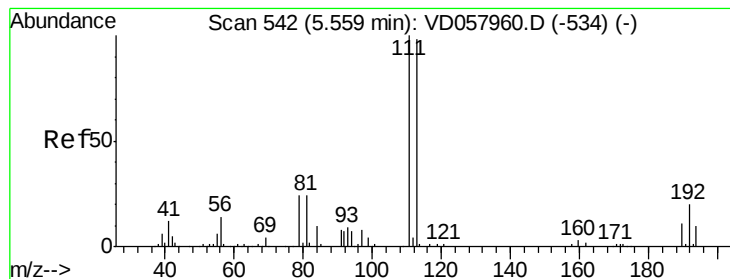


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

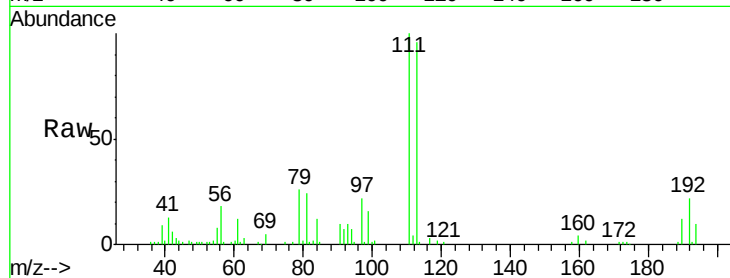
Tgt Ion:113 Resp: 207436

Ion Ratio Lower Upper

113 100

111 103.9 81.5 122.3

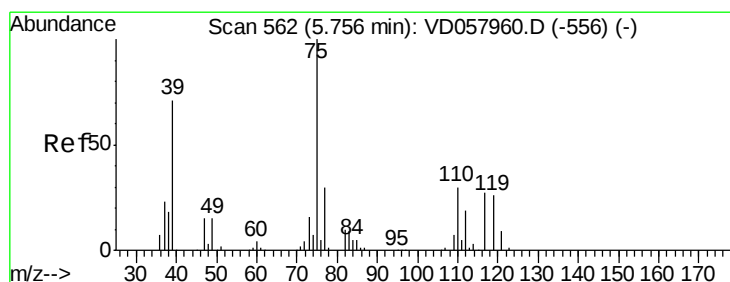
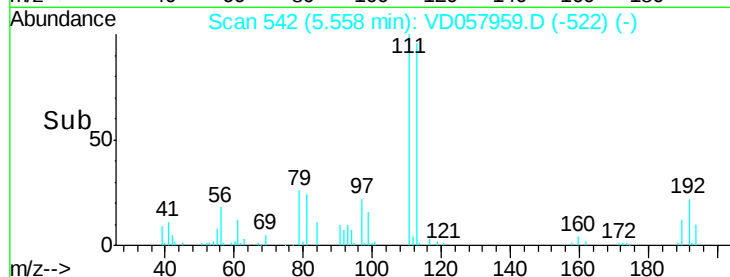
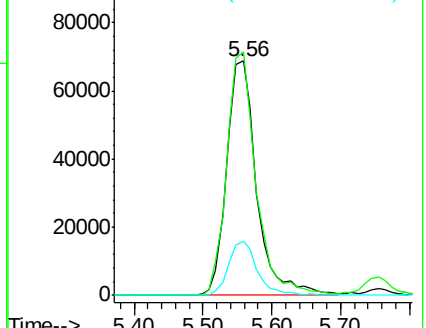
192 23.1 16.4 24.6



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: 22.27 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

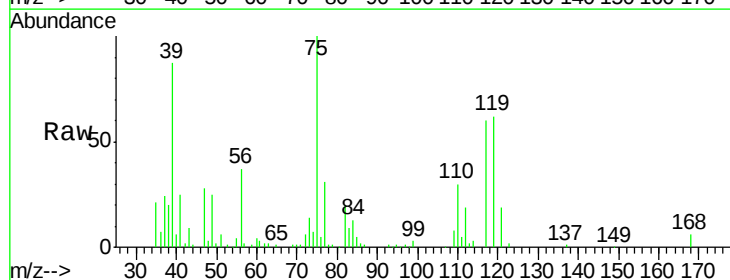
Tgt Ion: 75 Resp: 298942

Ion Ratio Lower Upper

75 100

110 29.8 14.8 44.3

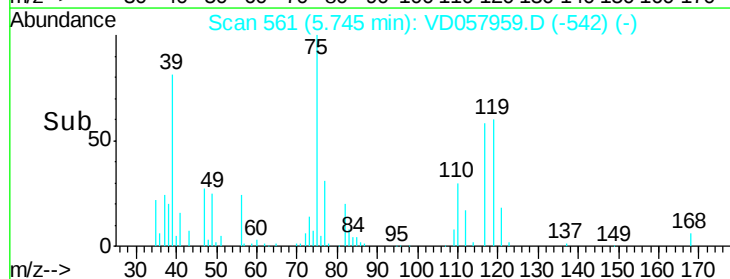
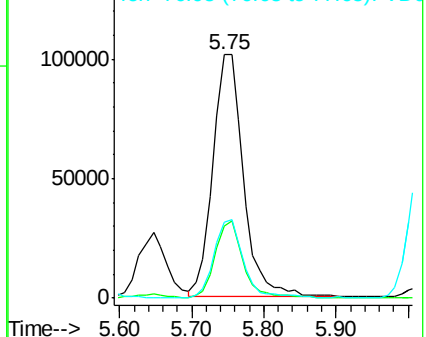
77 31.3 23.9 35.9

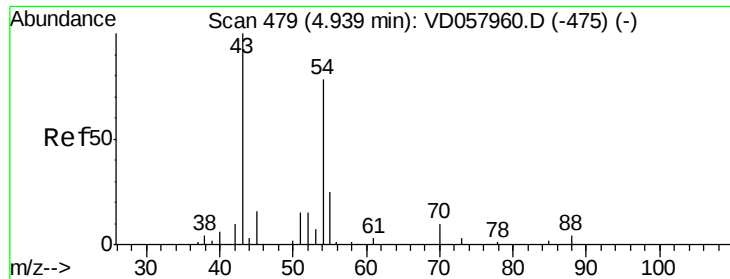


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.46 ug/l

RT: 4.93 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

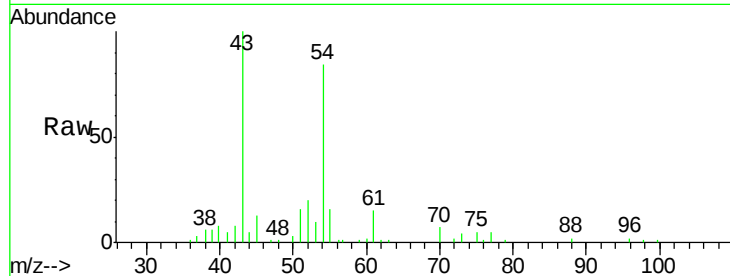
Tgt Ion: 43 Resp: 157147

Ion Ratio Lower Upper

43 100

61 14.5 9.9 14.9

70 7.5 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

150000

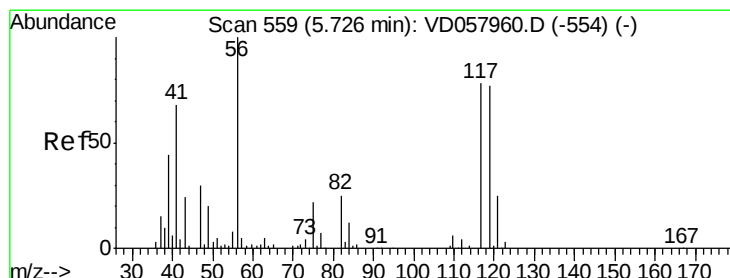
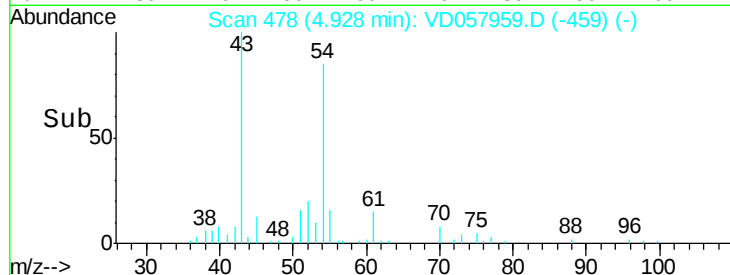
100000

50000

0

4.90 4.93 5.00 5.10

Time-->



#38

Carbon Tetrachloride

Concen: 20.74 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

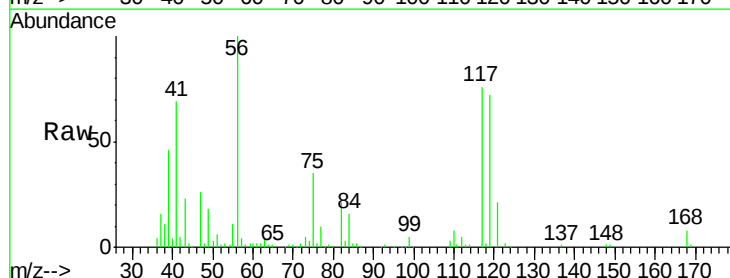
Tgt Ion: 117 Resp: 274298

Ion Ratio Lower Upper

117 100

119 94.5 76.1 114.1

121 27.5 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

120000

100000

80000

60000

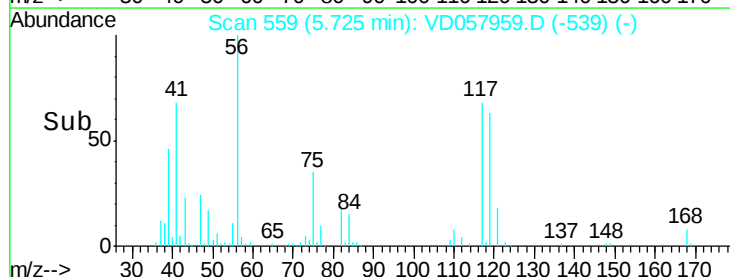
40000

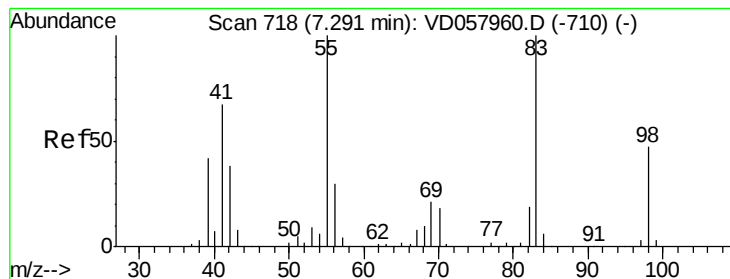
20000

0

5.60 5.70 5.80 5.90

Time-->





#39

Methylcyclohexane

Concen: 21.63 ug/l

RT: 7.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

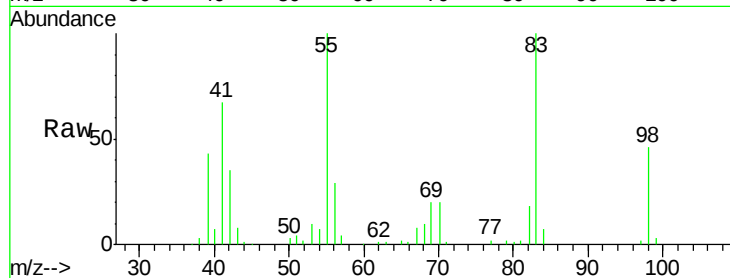
Tgt Ion: 83 Resp: 287823

Ion Ratio Lower Upper

83 100

55 100.1 80.3 120.5

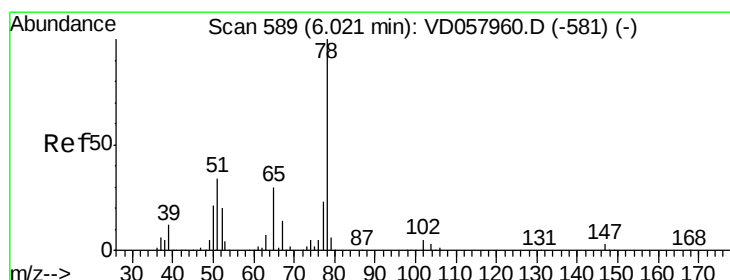
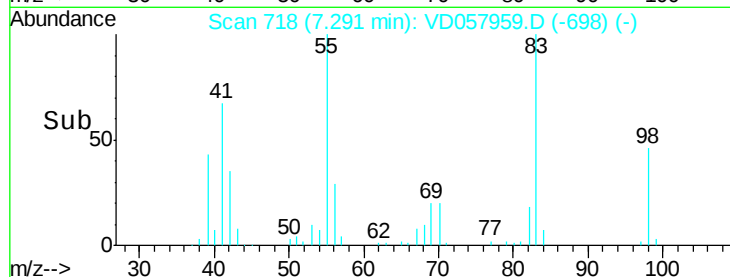
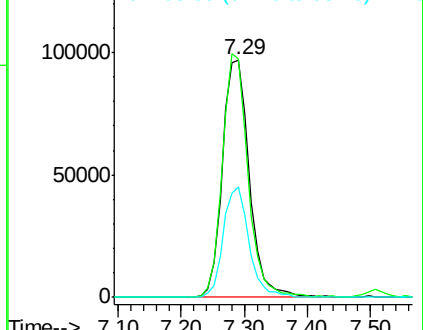
98 46.5 38.0 57.0



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: 22.22 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057959.D

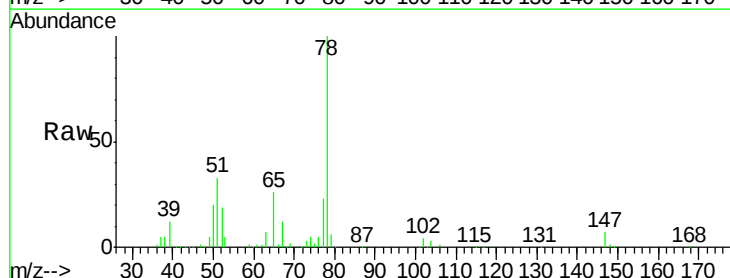
Acq: 6 Jun 2018 18:50

Tgt Ion: 78 Resp: 696580

Ion Ratio Lower Upper

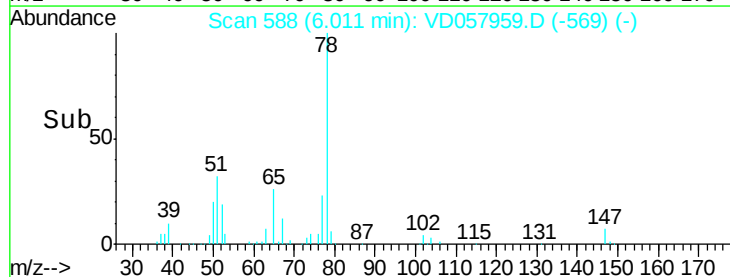
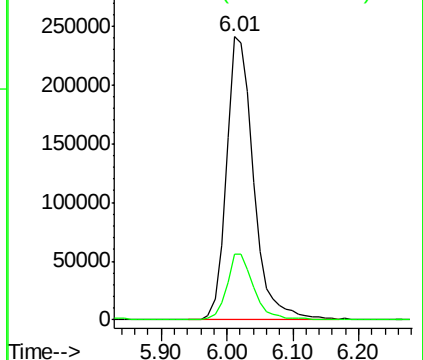
78 100

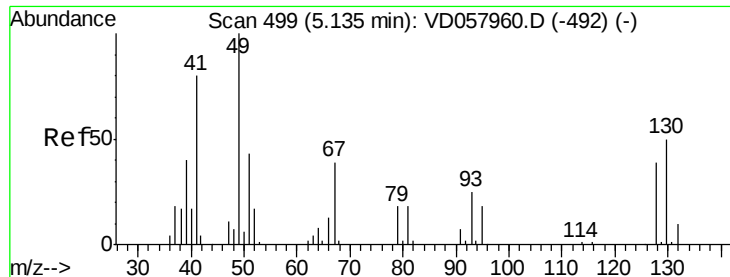
77 23.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.37 ug/l

RT: 5.13 min Scan# 499

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 68207

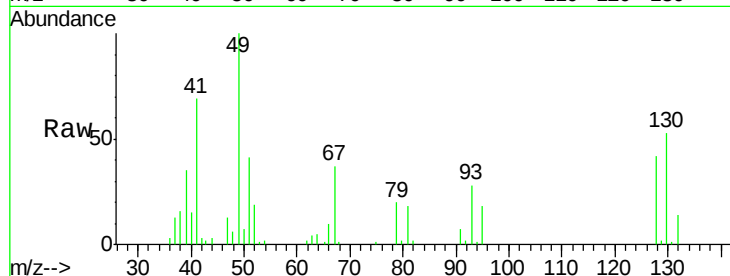
Ion Ratio Lower Upper

41 100

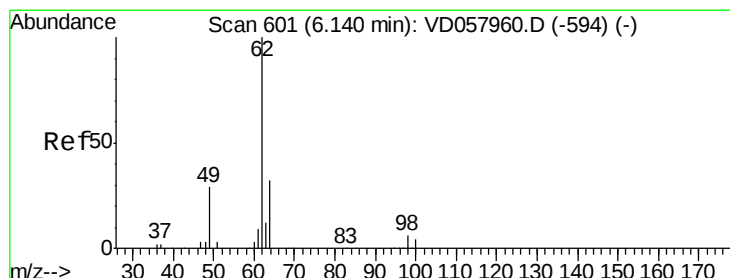
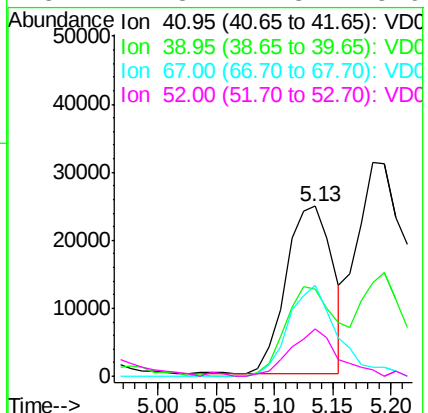
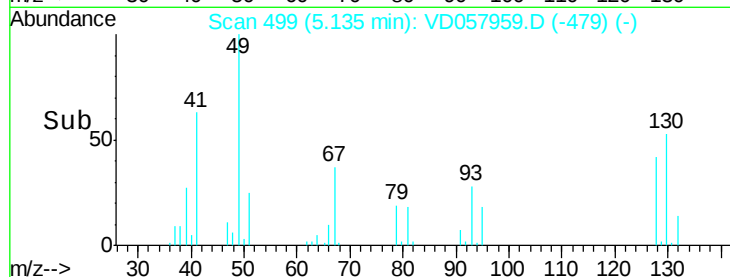
39 51.2 40.7 61.1

67 53.7 38.8 58.2

52 27.8 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: 21.64 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD057959.D

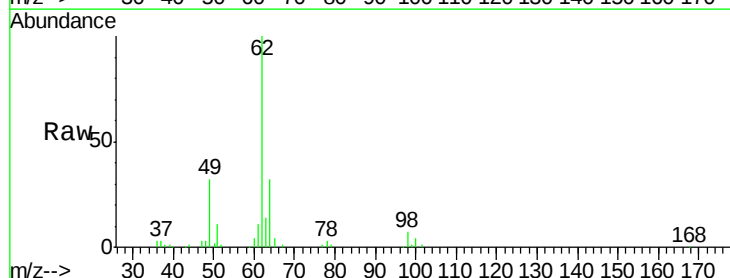
Acq: 6 Jun 2018 18:50

Tgt Ion: 62 Resp: 274392

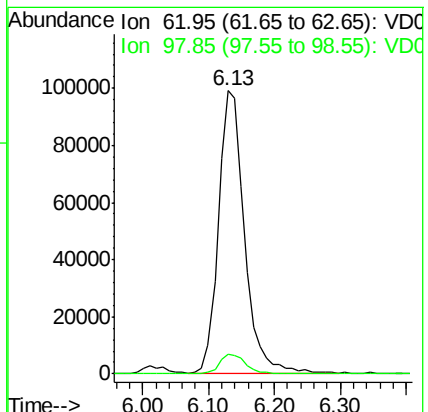
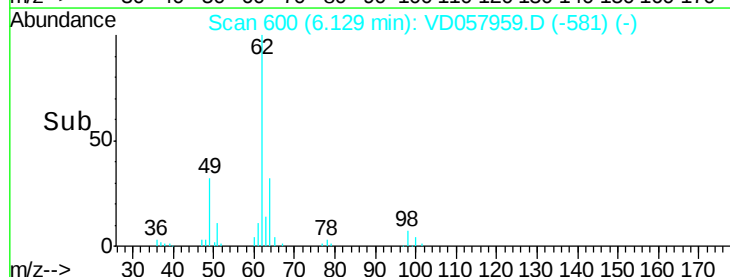
Ion Ratio Lower Upper

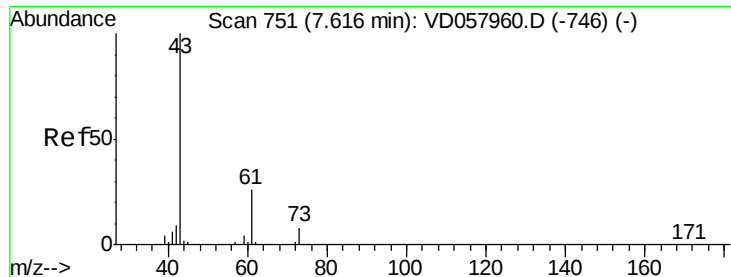
62 100

98 6.9 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: 21.22 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

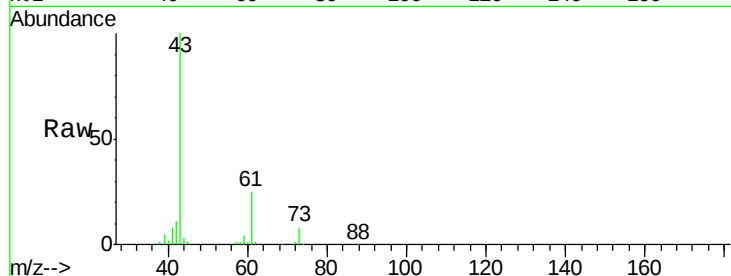
Tgt Ion: 43 Resp: 203529

Ion Ratio Lower Upper

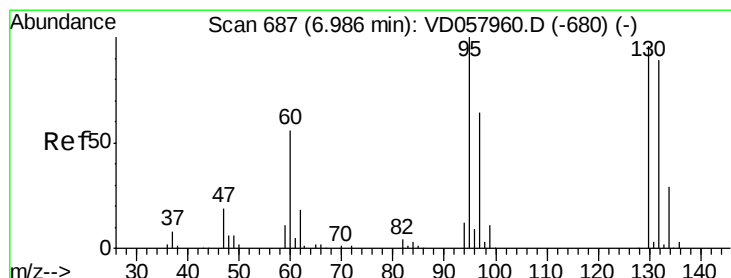
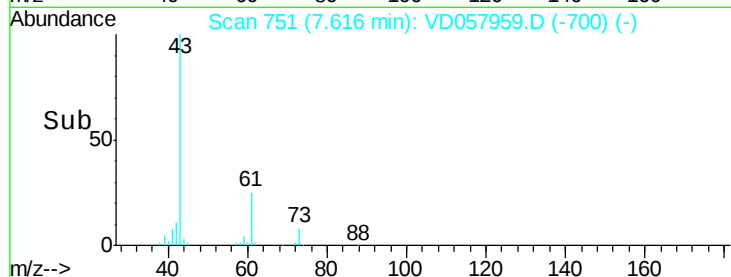
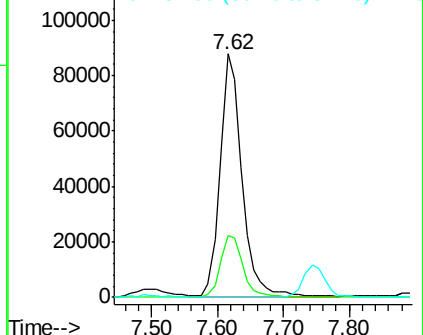
43 100

61 25.4 20.6 30.8

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 21.14 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD057959.D

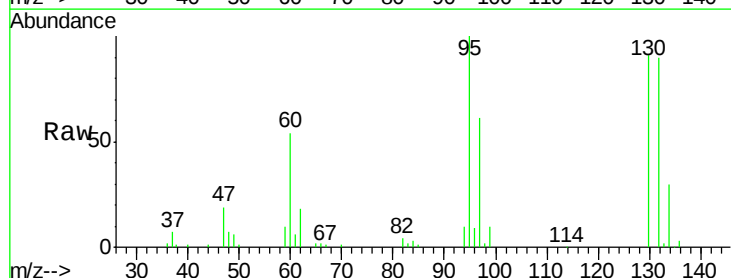
Acq: 6 Jun 2018 18:50

Tgt Ion: 130 Resp: 193587

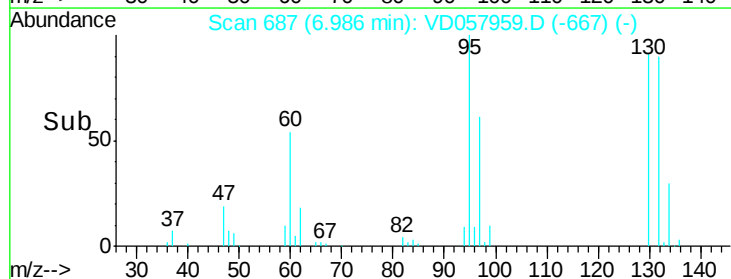
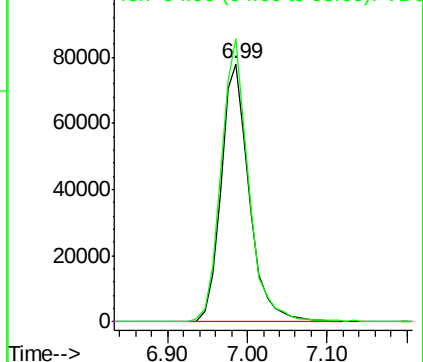
Ion Ratio Lower Upper

130 100

95 109.8 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: 22.30 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

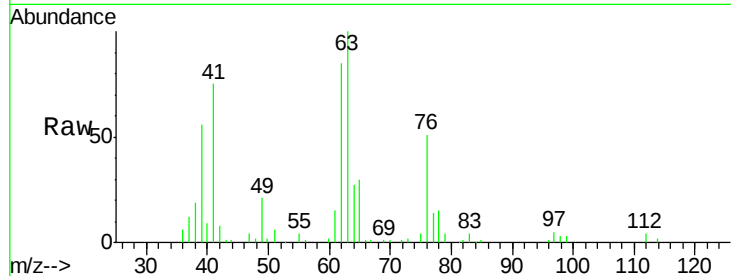
VSTDIC020

Tgt Ion: 63 Resp: 194354

Ion Ratio Lower Upper

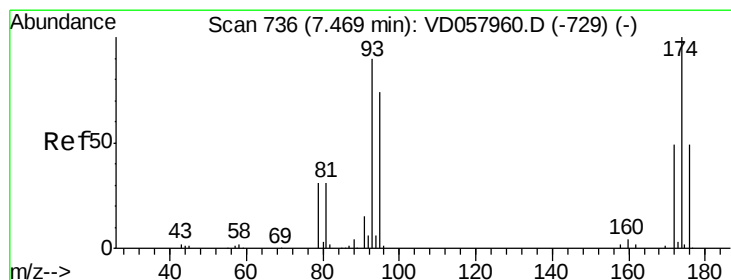
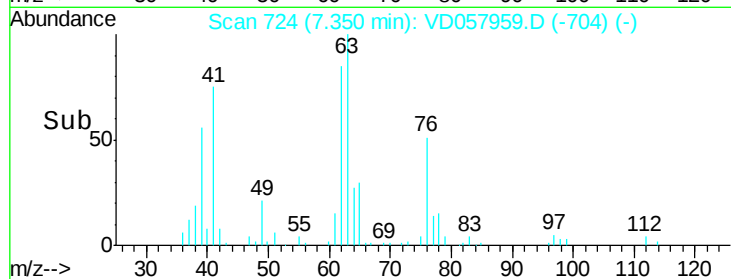
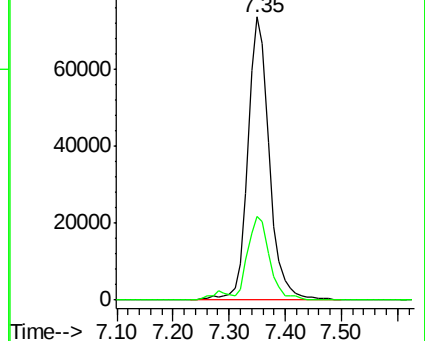
63 100

65 29.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.50 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

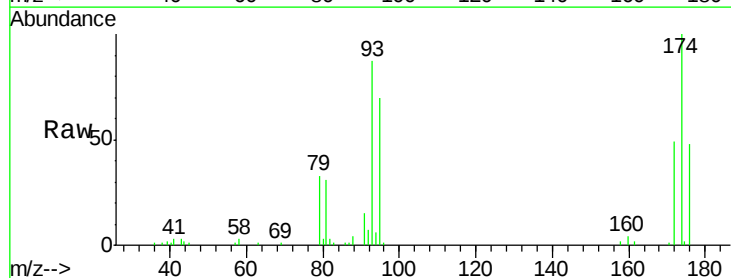
Tgt Ion: 93 Resp: 114763

Ion Ratio Lower Upper

93 100

95 80.4 65.7 98.5

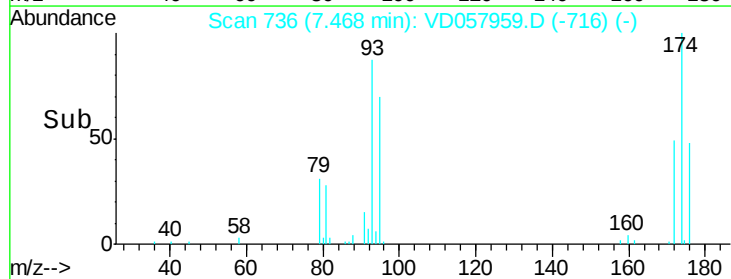
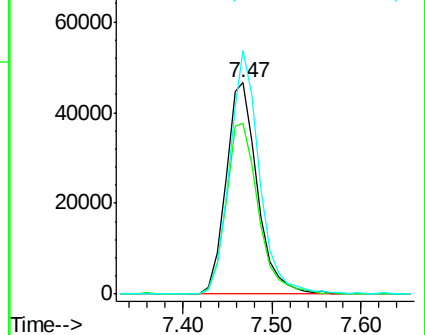
174 115.1 89.0 133.4

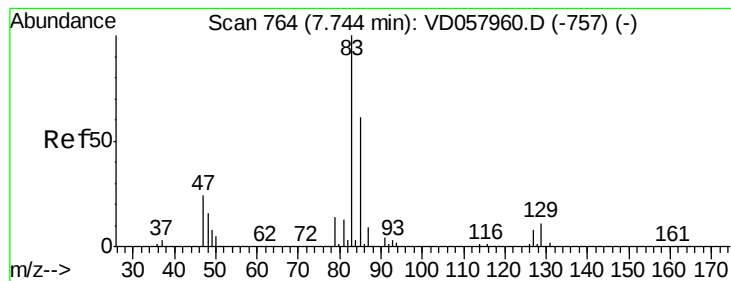


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.26 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

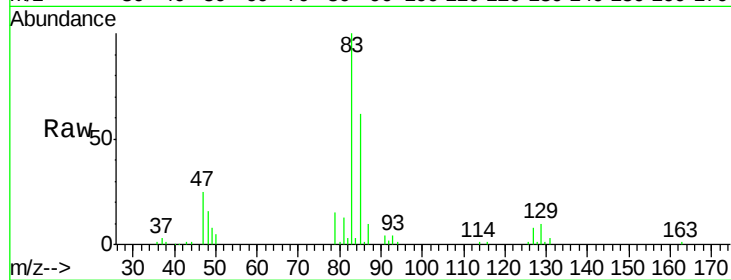
Tgt Ion: 83 Resp: 278695

Ion Ratio Lower Upper

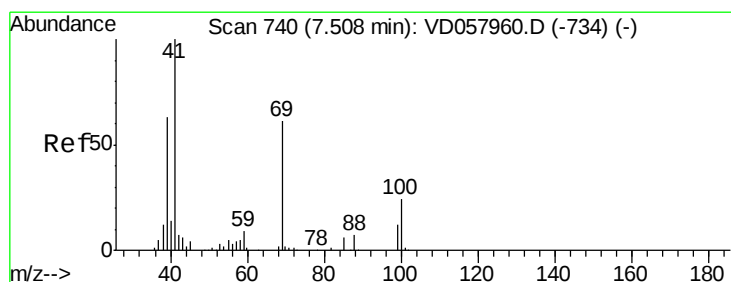
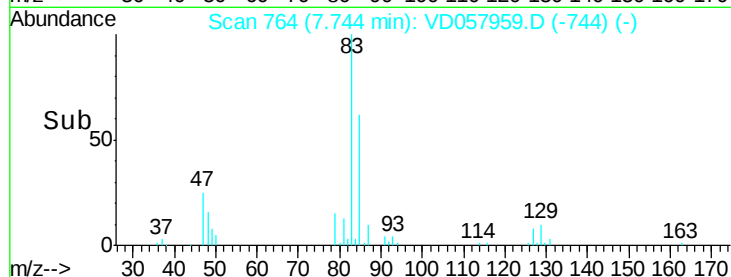
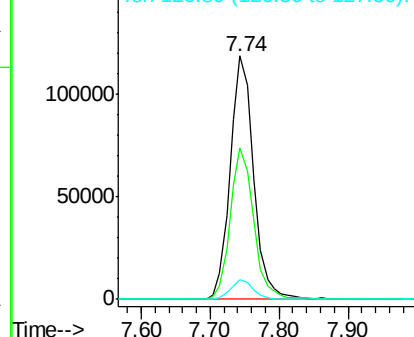
83 100

85 62.2 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): VDC



#48

Methyl methacrylate

Concen: 20.80 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

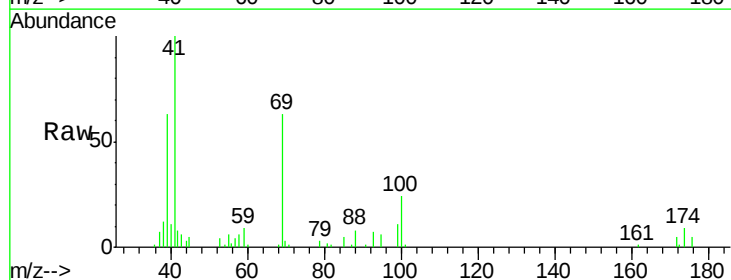
Tgt Ion: 41 Resp: 122816

Ion Ratio Lower Upper

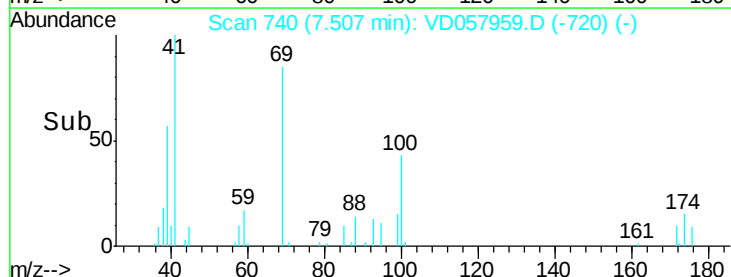
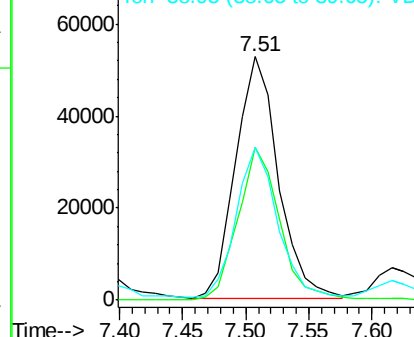
41 100

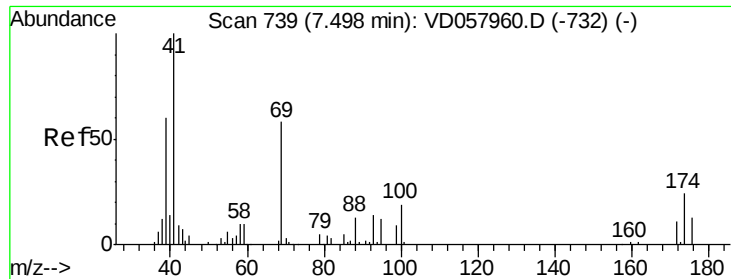
69 62.6 48.0 72.0

39 62.8 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: 396.14 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

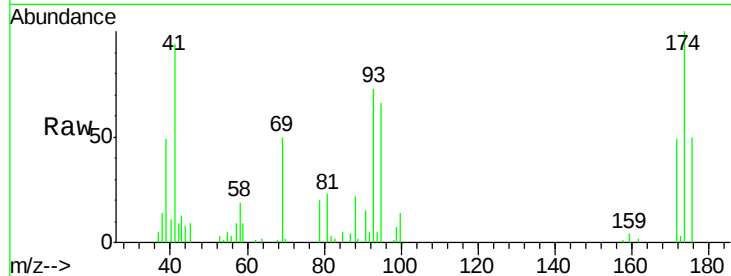
Tgt Ion: 88 Resp: 19377

Ion Ratio Lower Upper

88 100

43 59.4 46.6 69.8

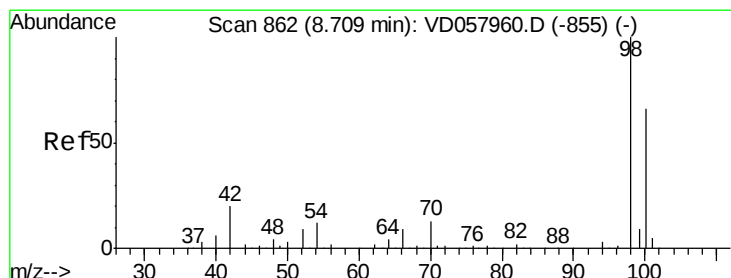
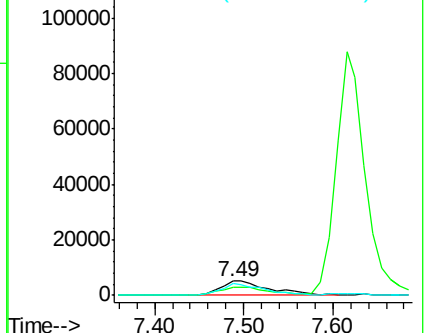
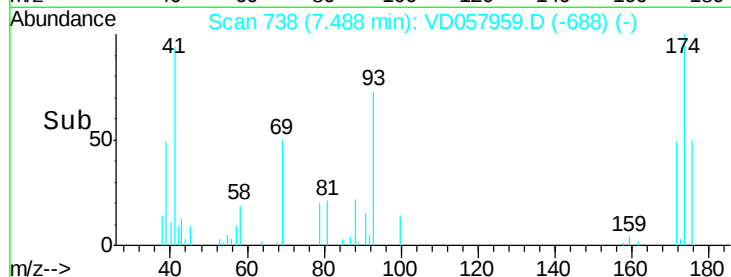
58 82.4 63.6 95.4



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: 396.14 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD057959.D

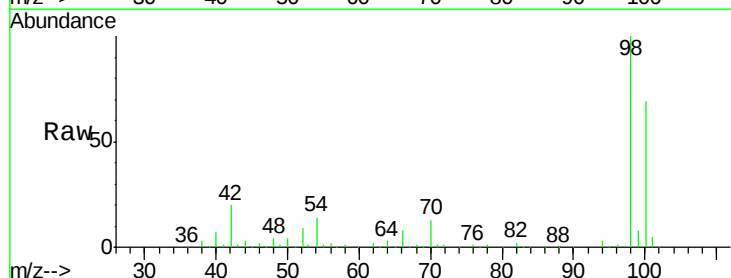
Acq: 6 Jun 2018 18:50

Tgt Ion: 98 Resp: 505808

Ion Ratio Lower Upper

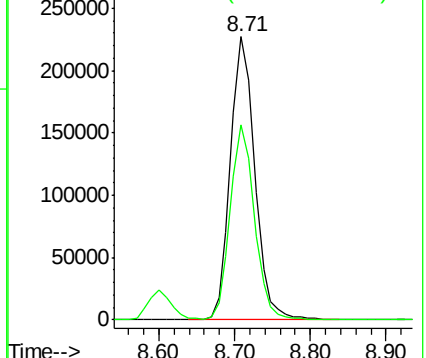
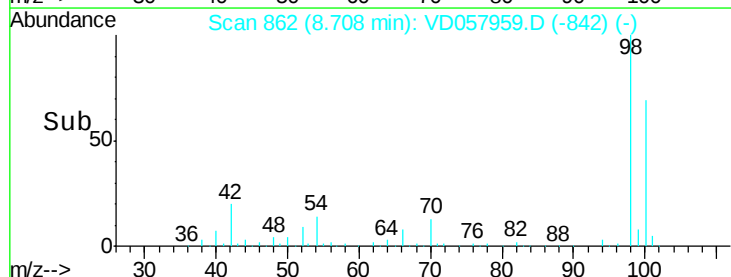
98 100

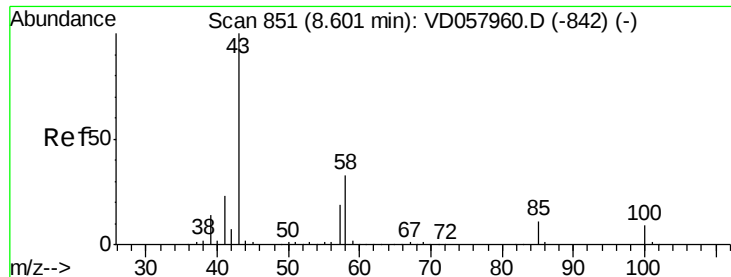
100 69.0 53.4 80.0



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: 102.44 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

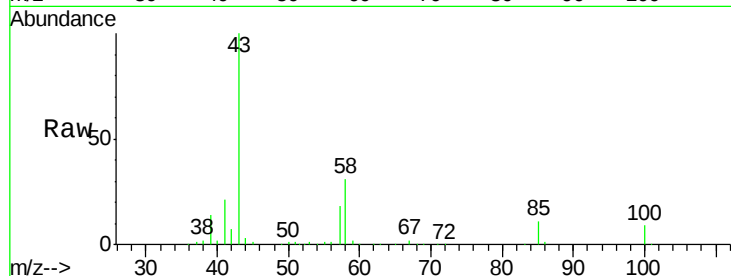
VSTDIC020

Tgt Ion: 43 Resp: 630333

Ion Ratio Lower Upper

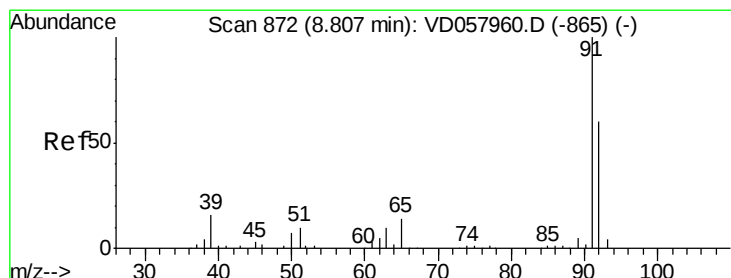
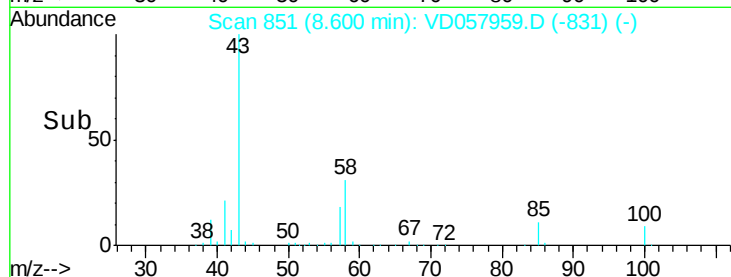
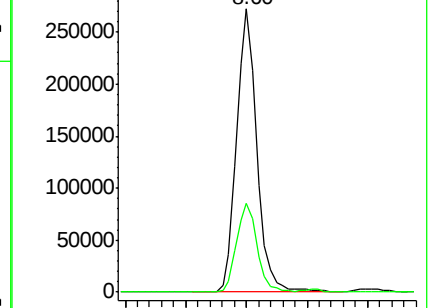
43 100

58 31.4 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: 22.34 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD057959.D

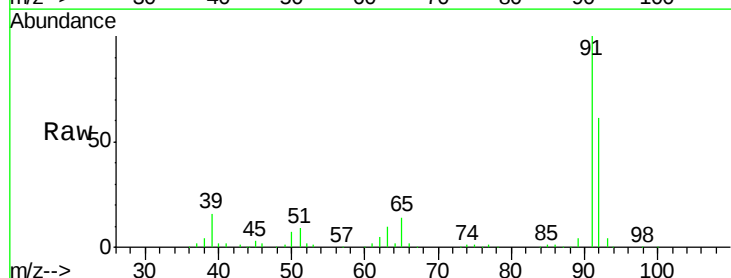
Acq: 6 Jun 2018 18:50

Tgt Ion: 92 Resp: 401950

Ion Ratio Lower Upper

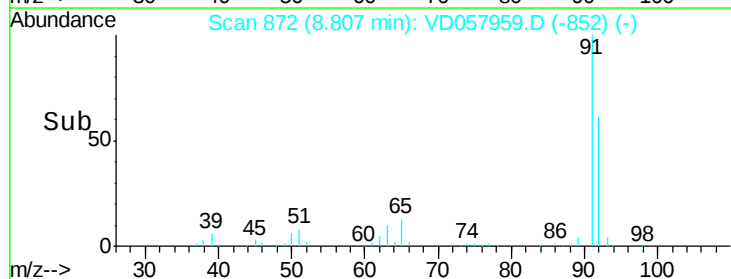
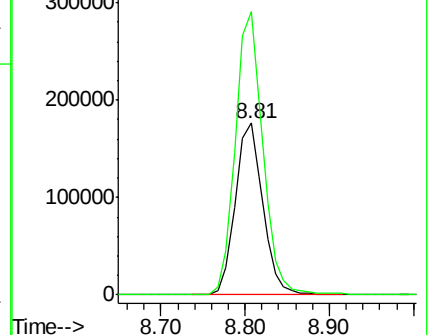
92 100

91 165.0 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

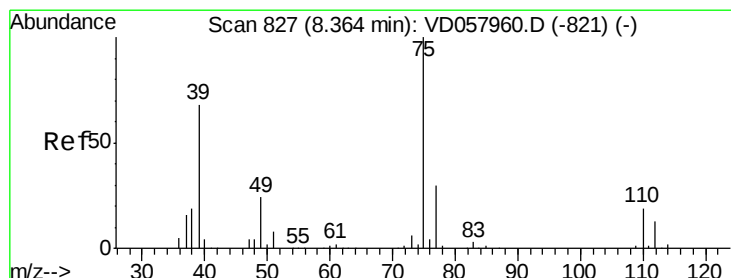
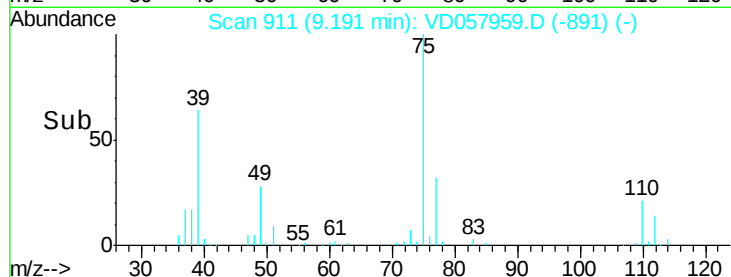
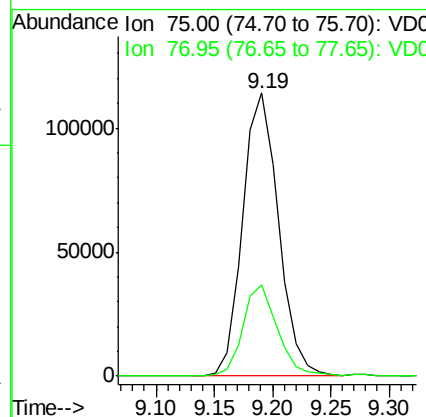
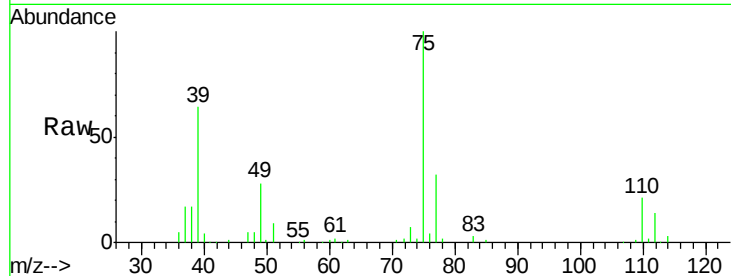




#53
t-1,3-Dichloropropene
Concen: 21.57 ug/l
RT: 9.19 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

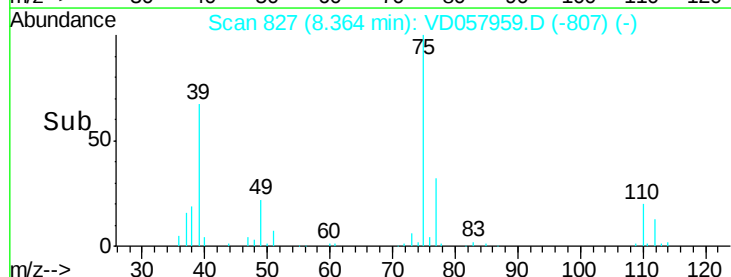
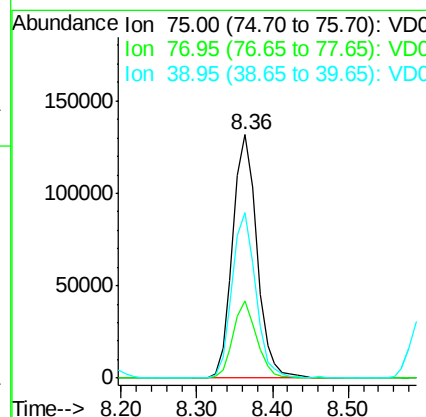
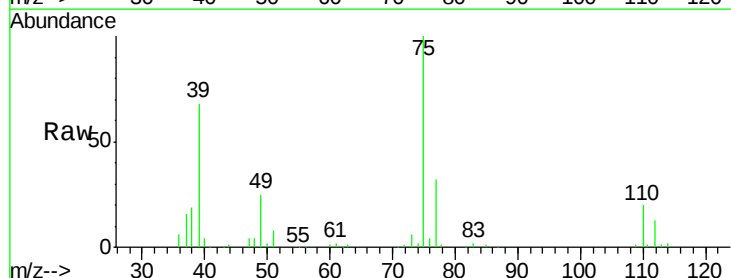
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

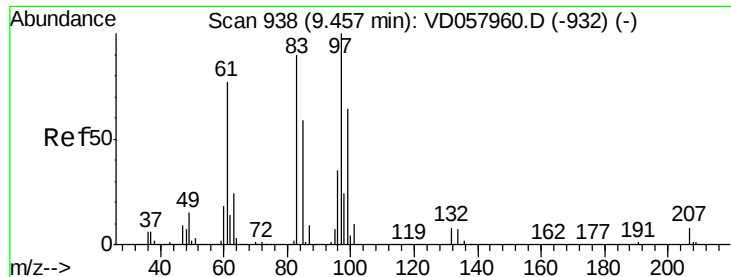
Tgt Ion: 75 Resp: 243539
Ion Ratio Lower Upper
75 100
77 32.3 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 22.06 ug/l
RT: 8.36 min Scan# 827
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 75 Resp: 293478
Ion Ratio Lower Upper
75 100
77 31.8 24.1 36.1
39 68.2 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 21.03 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 122464

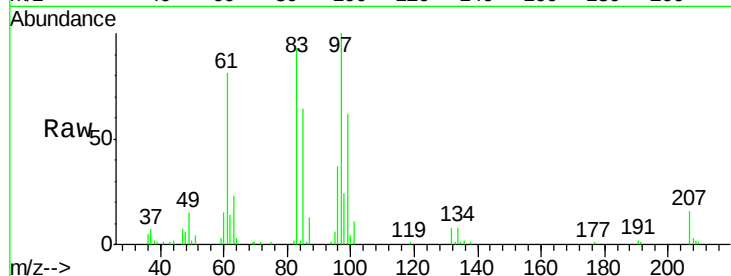
Ion Ratio Lower Upper

97 100

83 92.7 71.8 107.8

85 63.9 47.2 70.8

99 62.3 51.4 77.0

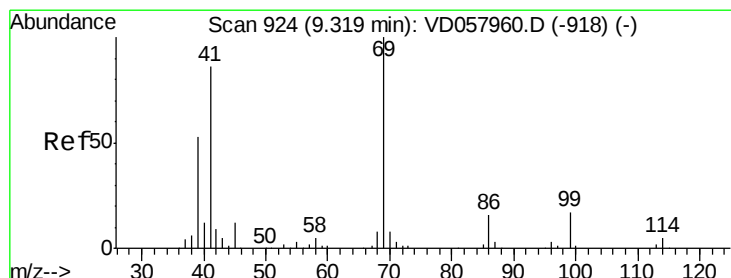
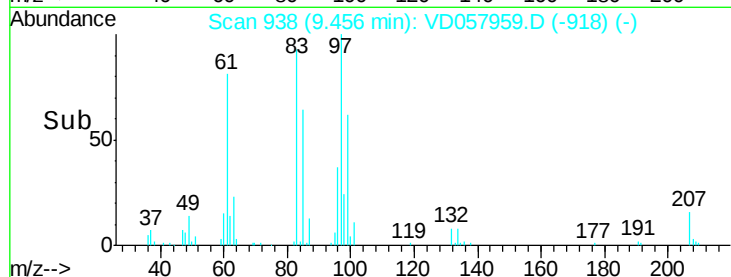
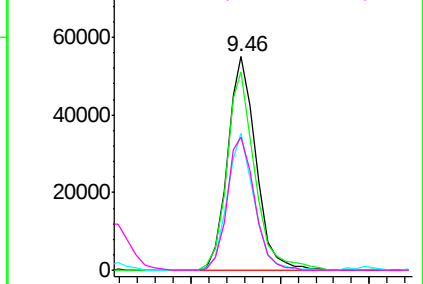


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.49 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

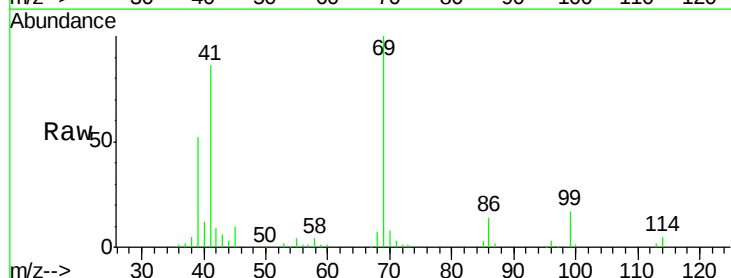
Tgt Ion: 69 Resp: 153523

Ion Ratio Lower Upper

69 100

41 86.0 68.4 102.6

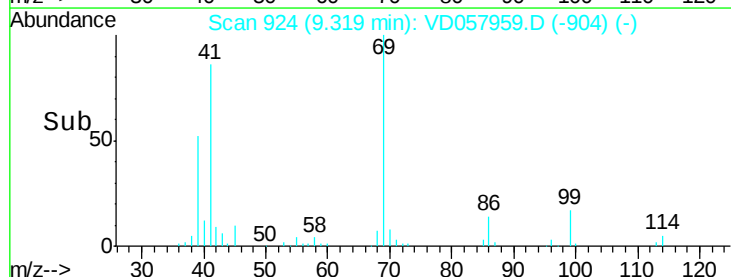
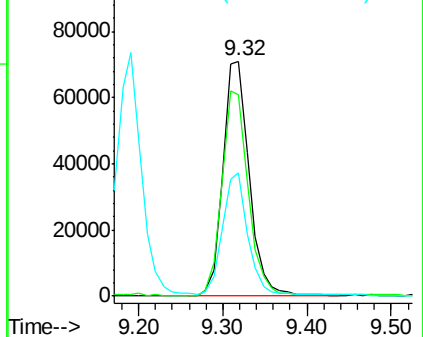
39 52.5 43.0 64.4

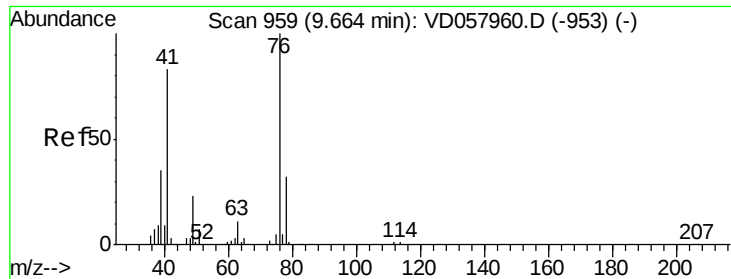


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.68 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

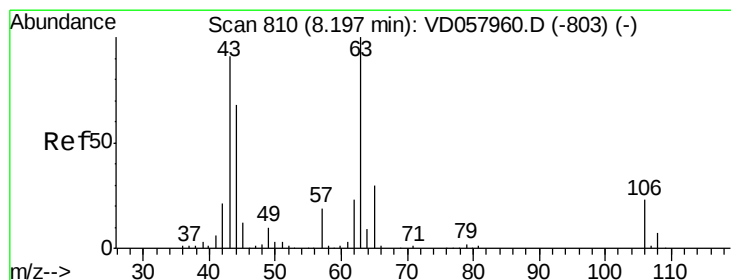
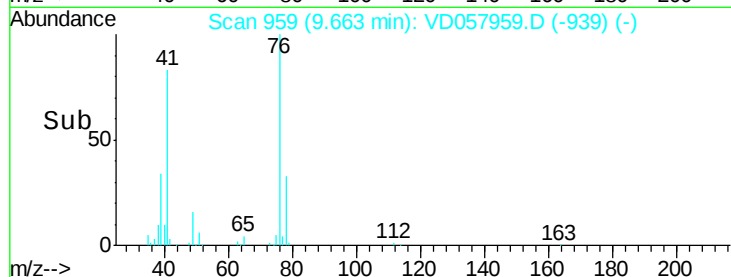
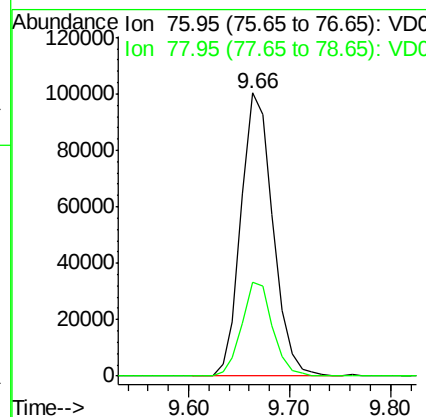
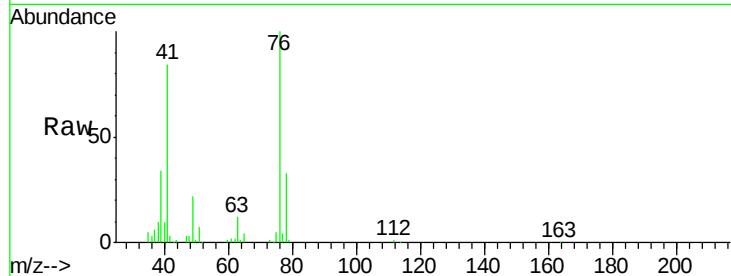
VSTDIC020

Tgt Ion: 76 Resp: 221442

Ion Ratio Lower Upper

76 100

78 33.1 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 109.84 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD057959.D

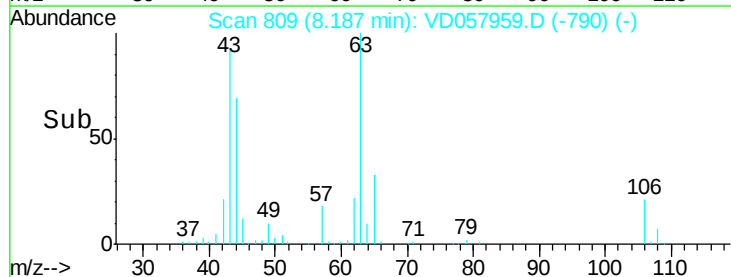
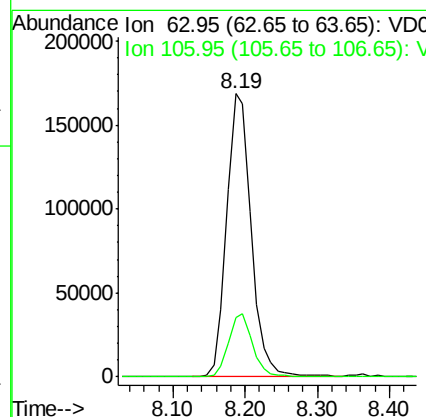
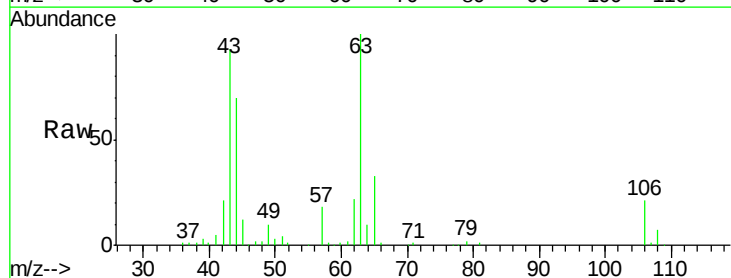
Acq: 6 Jun 2018 18:50

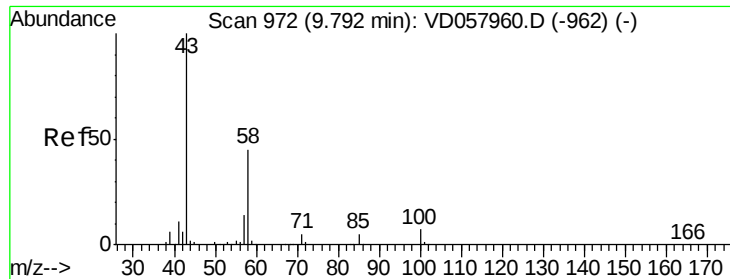
Tgt Ion: 63 Resp: 396451

Ion Ratio Lower Upper

63 100

106 20.9 18.7 28.1

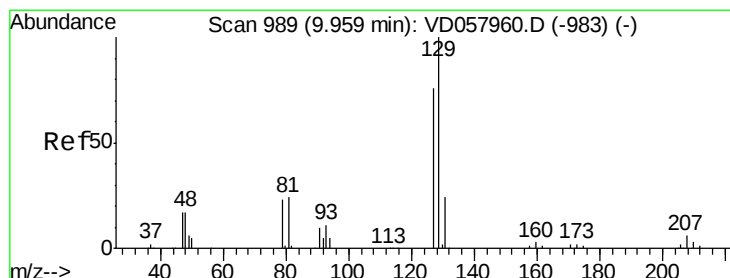
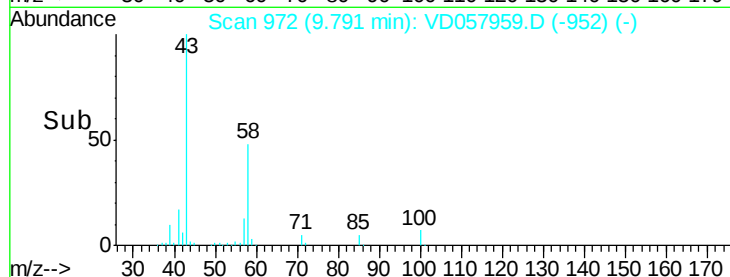
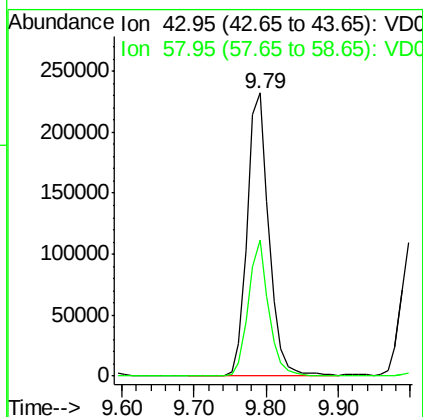
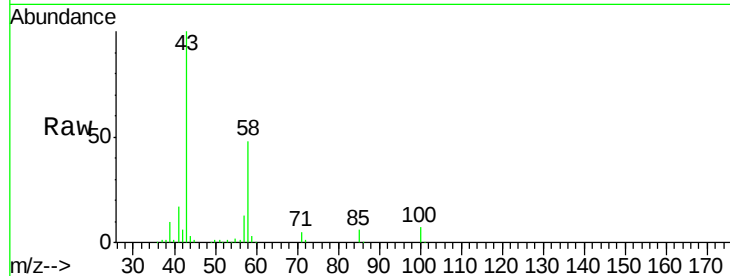




#59
2-Hexanone
Concen: 108.88 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

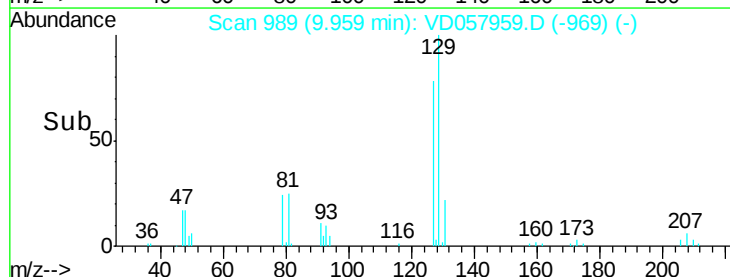
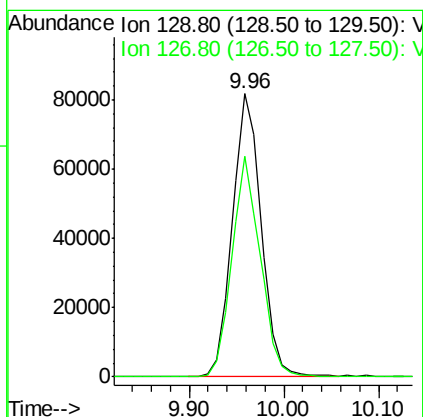
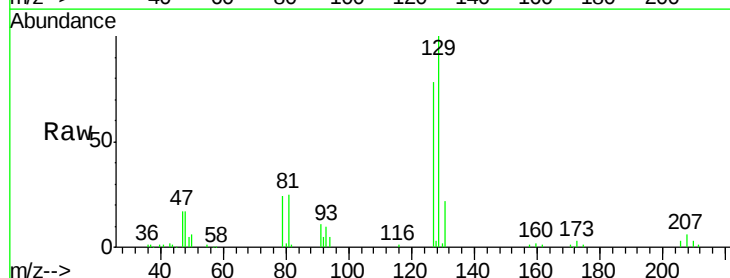
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

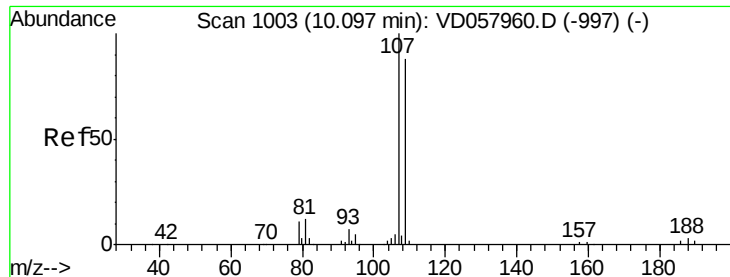
Tgt Ion: 43 Resp: 490961
Ion Ratio Lower Upper
43 100
58 48.0 22.5 67.5



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 129 Resp: 172245
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.69 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

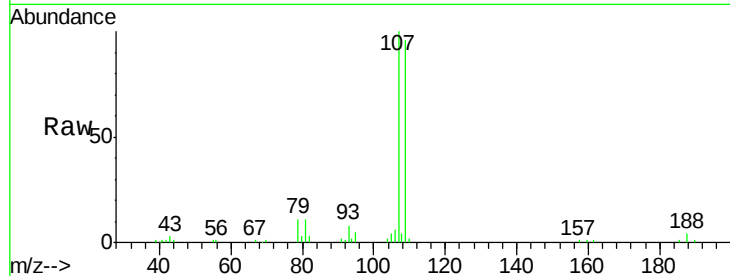
VSTDIC020

Tgt Ion: 107 Resp: 138602

Ion Ratio Lower Upper

107 100

109 95.8 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

80000

60000

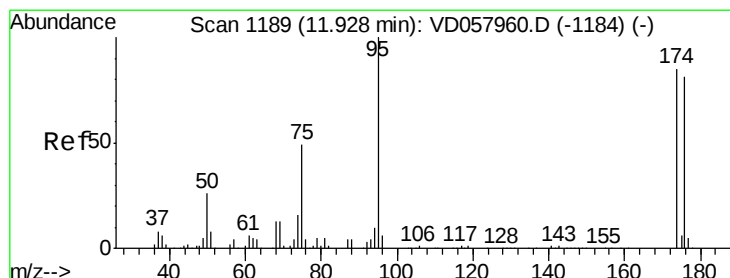
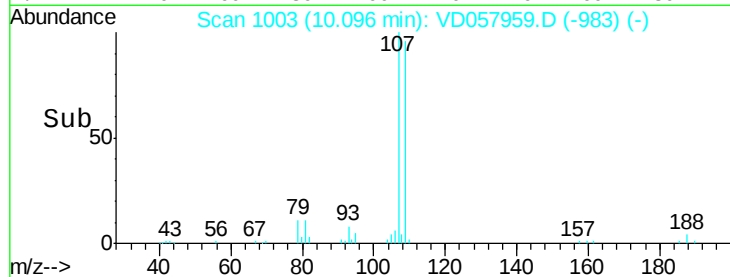
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 20.69 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

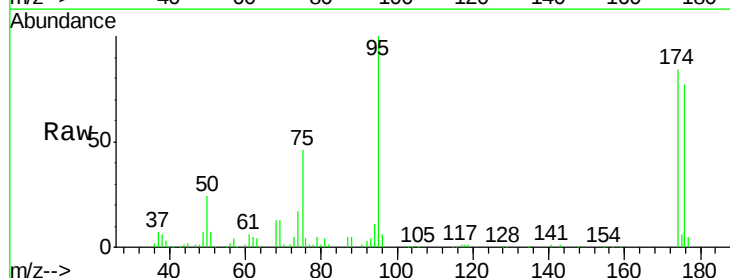
Tgt Ion: 95 Resp: 214984

Ion Ratio Lower Upper

95 100

174 83.8 0.0 169.4

176 77.4 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

200000

150000

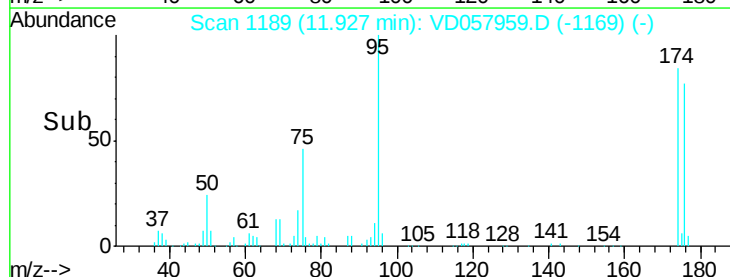
100000

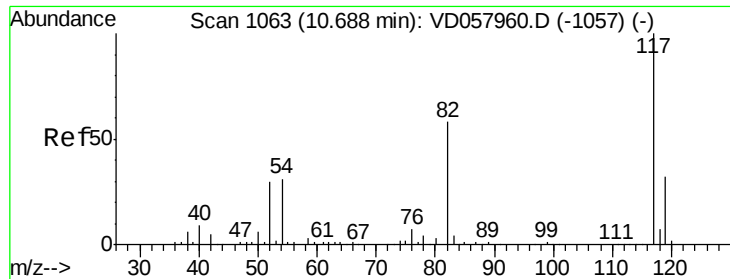
50000

0

Time-->

11.90 12.00





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

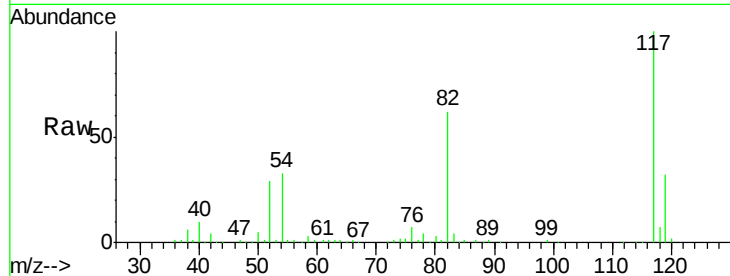
Tgt Ion:117 Resp: 953468

Ion Ratio Lower Upper

117 100

82 61.7 46.8 70.2

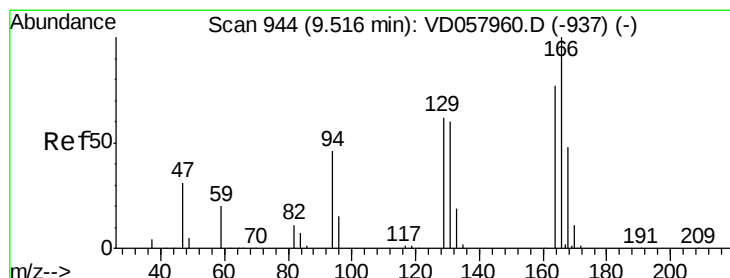
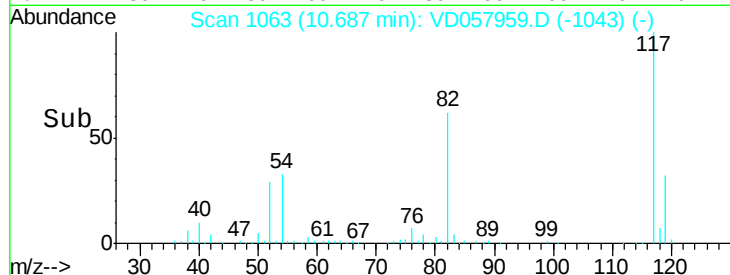
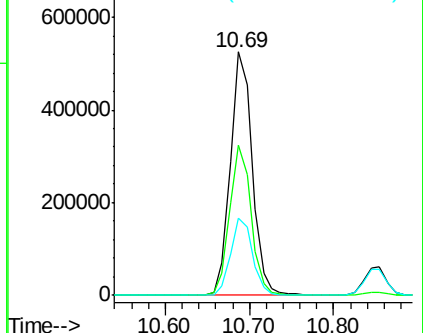
119 31.6 25.8 38.6



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: 21.99 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Tgt Ion:164 Resp: 187408

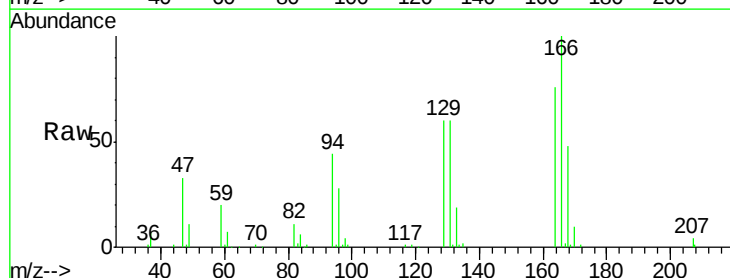
Ion Ratio Lower Upper

164 100

166 131.3 104.4 156.6

129 79.3 65.0 97.6

131 78.2 62.9 94.3

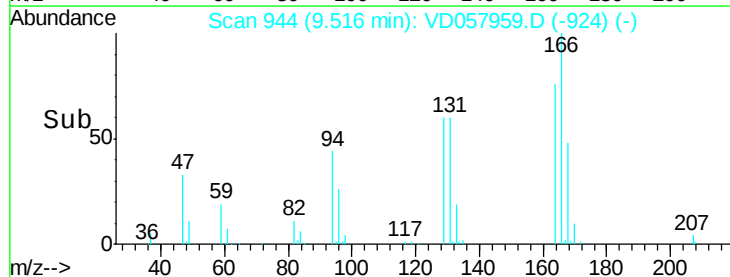
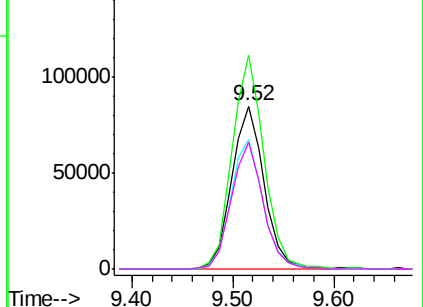


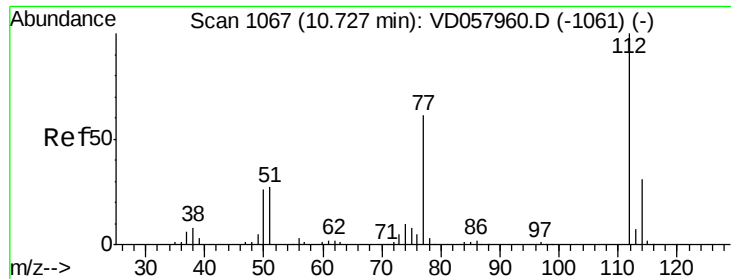
Abundance Ion 163.85 (163.55 to 164.55): V

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: 22.23 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

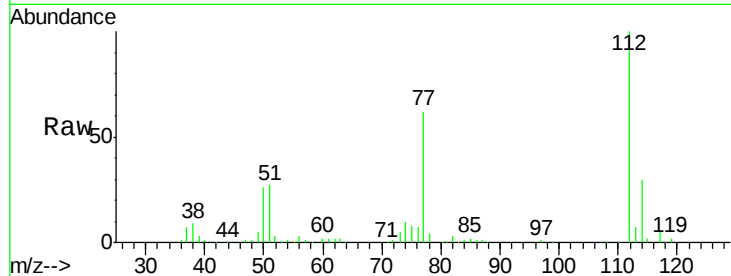
VSTDIC020

Tgt Ion:112 Resp: 429116

Ion Ratio Lower Upper

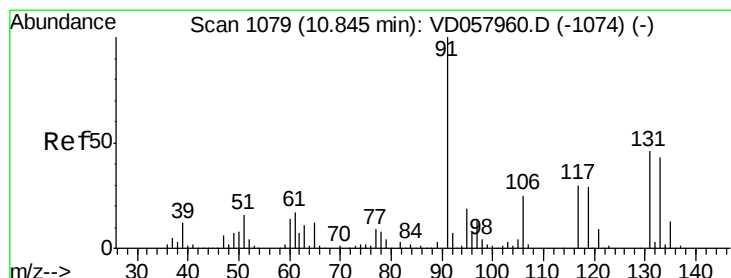
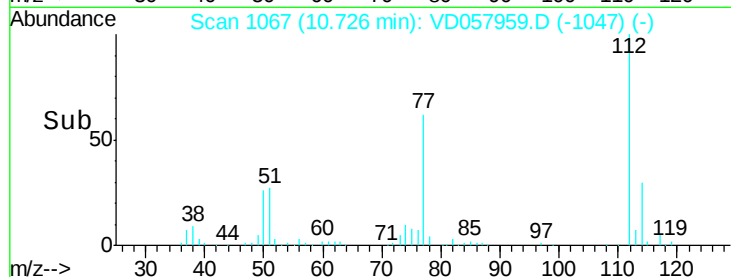
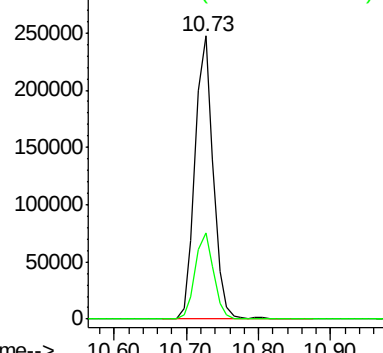
112 100

114 30.3 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.94 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

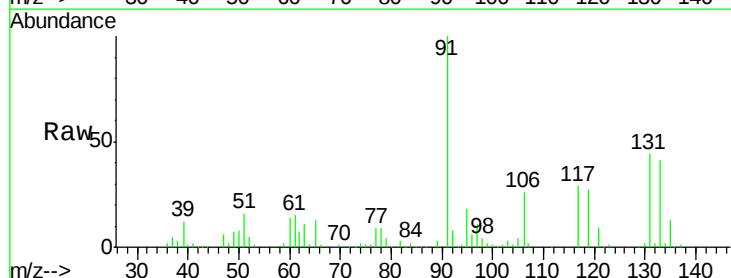
Tgt Ion:131 Resp: 162733

Ion Ratio Lower Upper

131 100

133 93.5 46.9 140.6

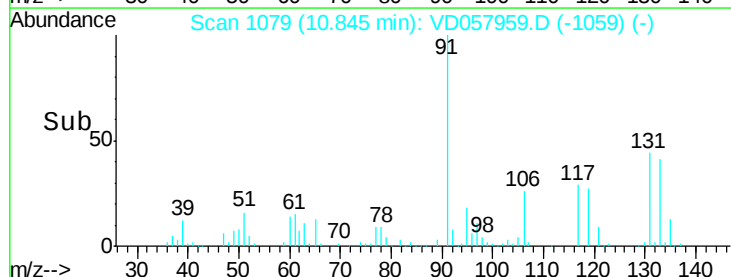
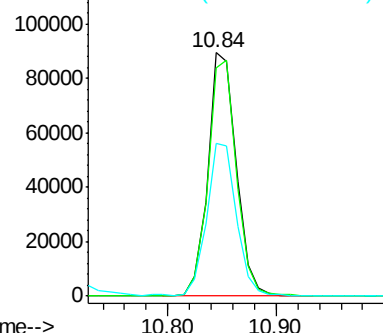
119 62.6 31.8 95.3

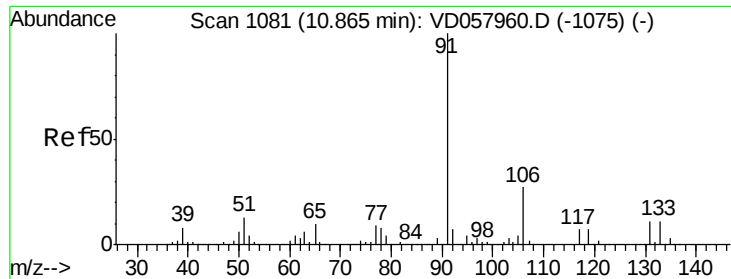


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

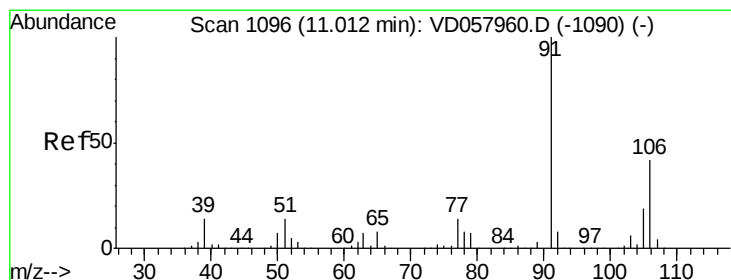
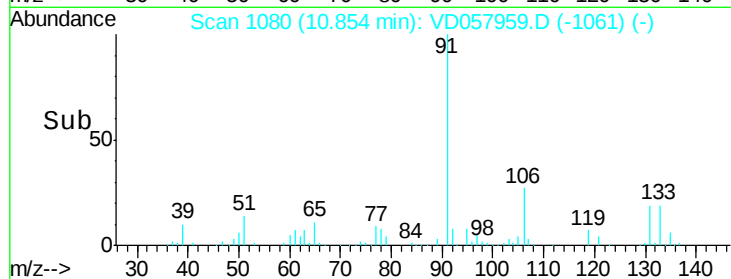
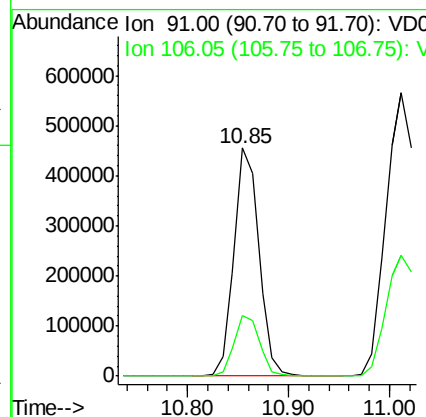
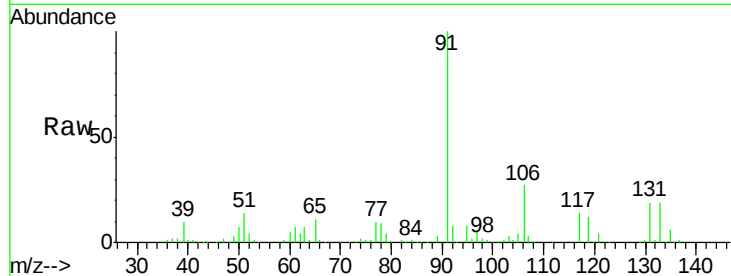




#67
Ethyl Benzene
Concen: 22.50 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

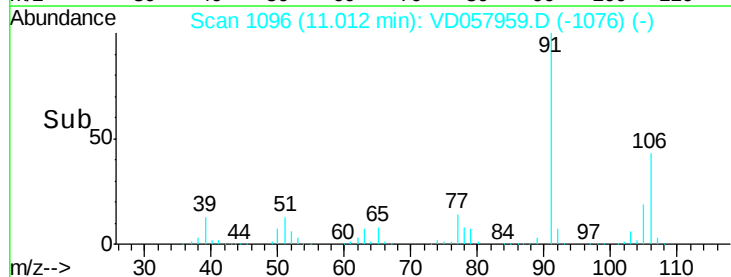
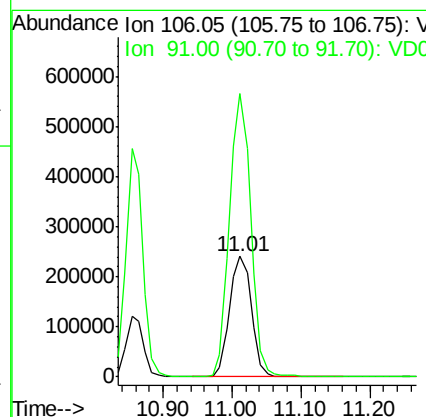
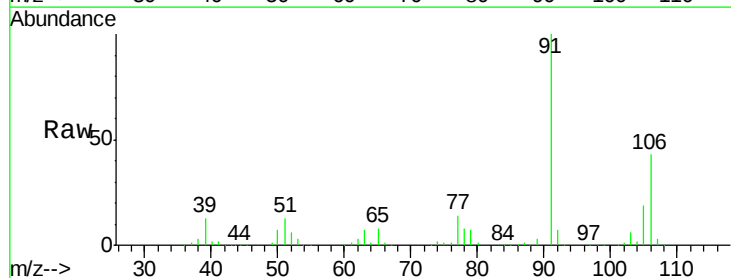
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

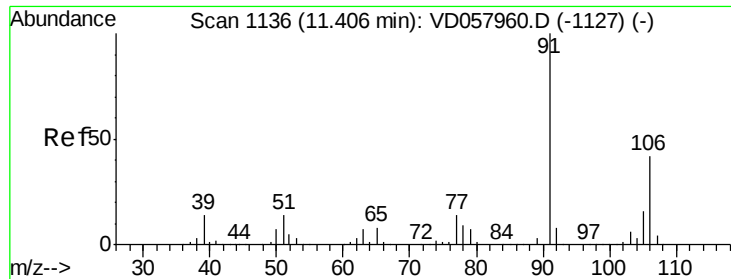
Tgt Ion: 91 Resp: 784559
Ion Ratio Lower Upper
91 100
106 26.7 21.5 32.3



#68
m/p-Xylenes
Concen: 46.87 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 106 Resp: 532881
Ion Ratio Lower Upper
106 100
91 234.7 190.4 285.6

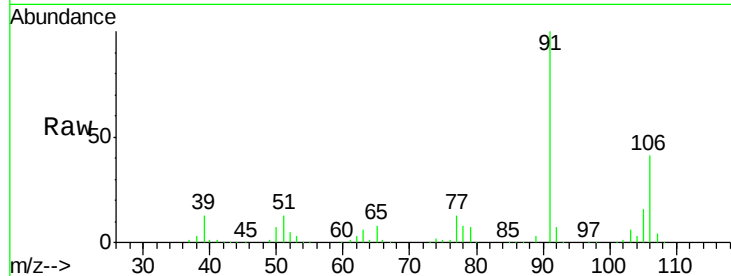




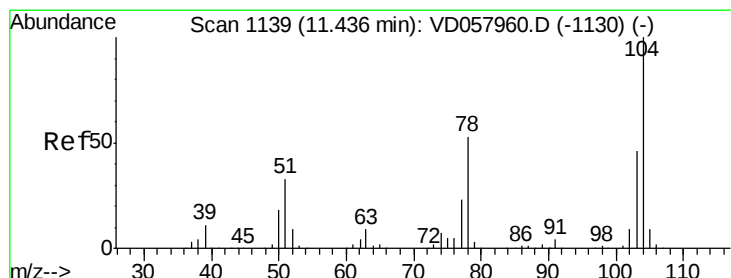
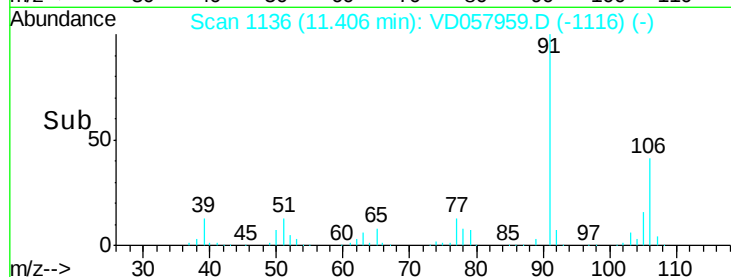
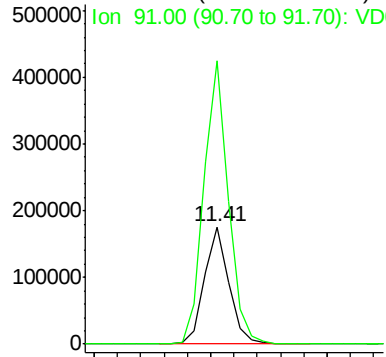
#69
o-Xylene
Concen: 22.66 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 255710
Ion Ratio Lower Upper
106 100
91 241.0 120.6 361.7

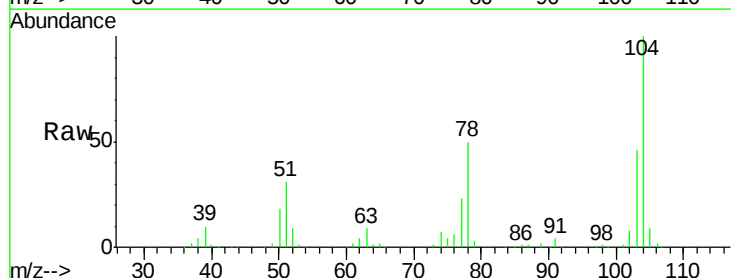


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

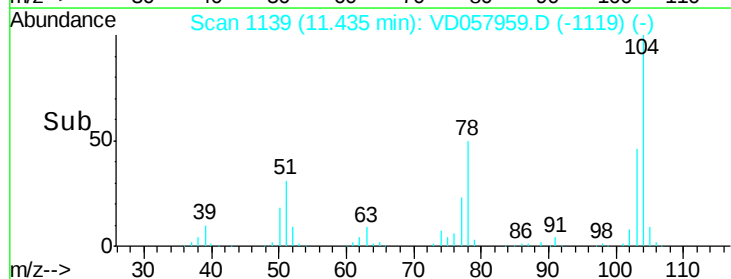
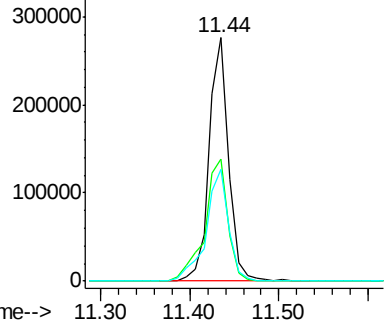


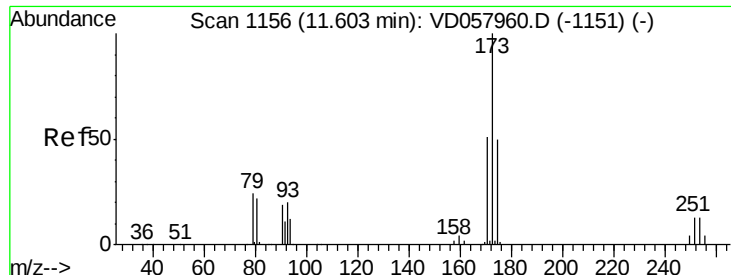
#70
Styrene
Concen: 22.49 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion:104 Resp: 420206
Ion Ratio Lower Upper
104 100
78 50.3 42.1 63.1
103 46.1 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

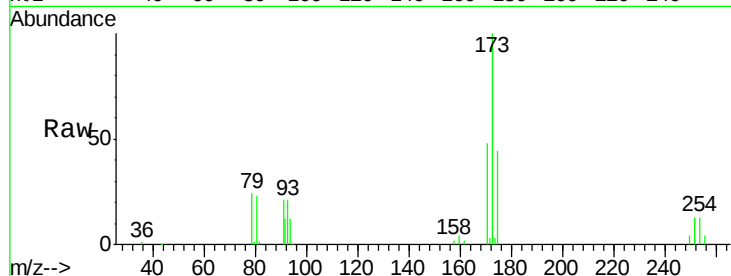




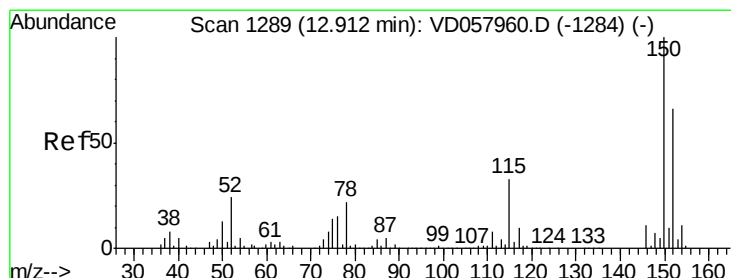
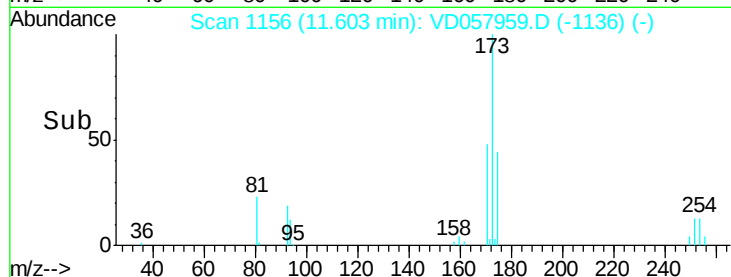
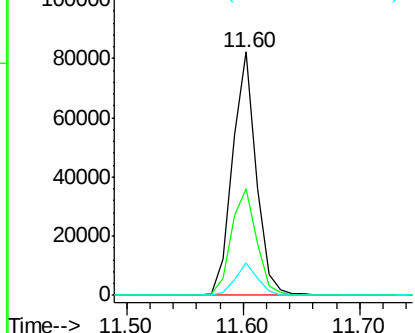
#71
Bromoform
Concen: 20.65 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tgt Ion:173 Resp: 115202
Ion Ratio Lower Upper
173 100
175 42.5 25.1 75.2
254 13.0 10.7 16.1

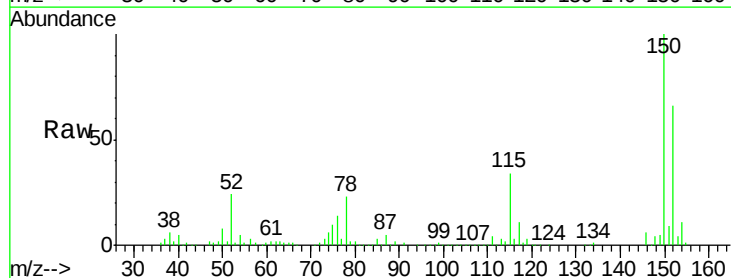


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

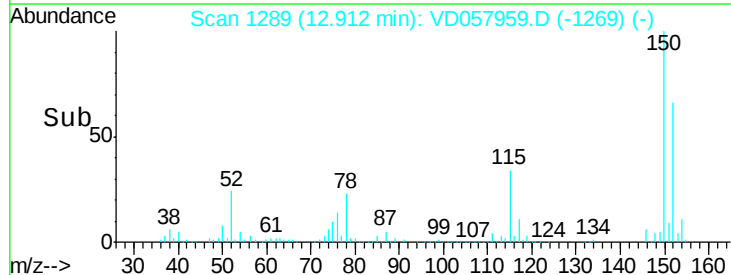
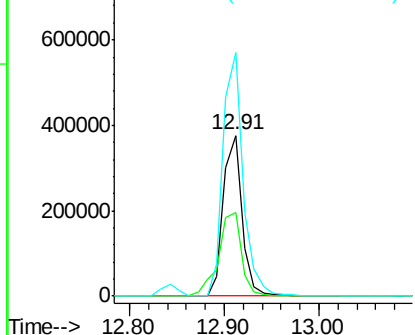


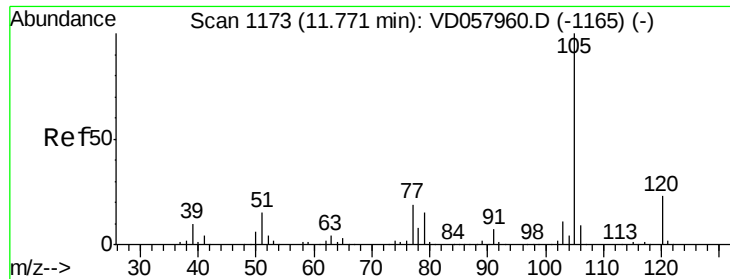
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion:152 Resp: 520540
Ion Ratio Lower Upper
152 100
115 52.1 25.6 76.6
150 151.2 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: 20.57 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

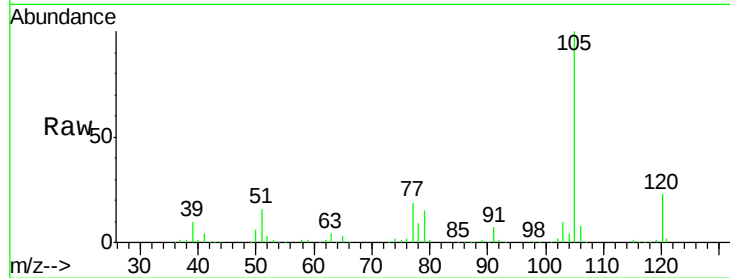
VSTDIC020

Tgt Ion:105 Resp: 709143

Ion Ratio Lower Upper

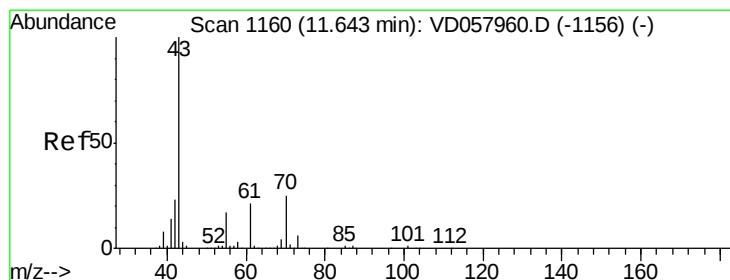
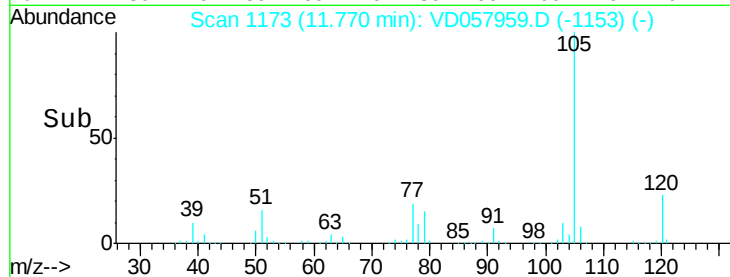
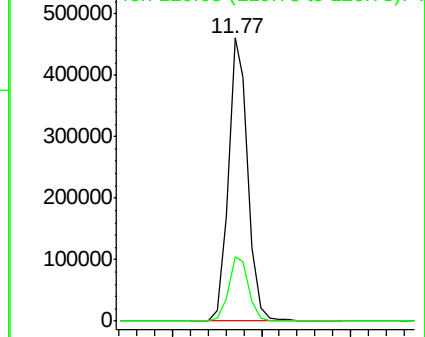
105 100

120 22.9 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.02 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Tgt Ion: 43 Resp: 266320

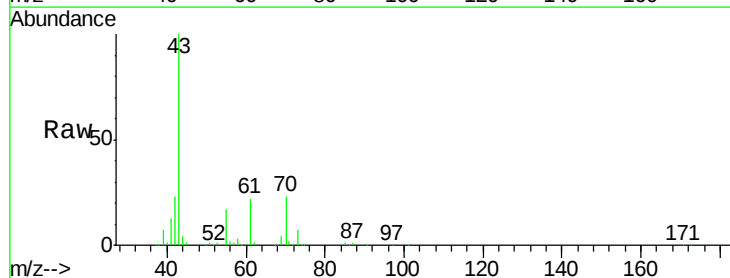
Ion Ratio Lower Upper

43 100

70 23.0 20.3 30.5

55 16.9 13.9 20.9

61 22.1 16.6 24.8

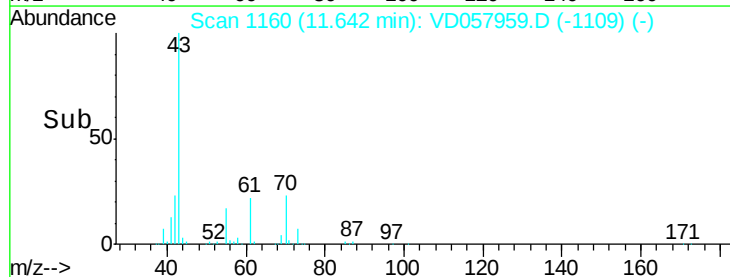
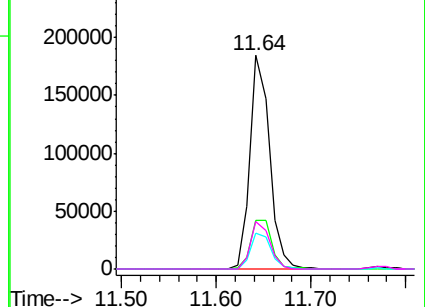


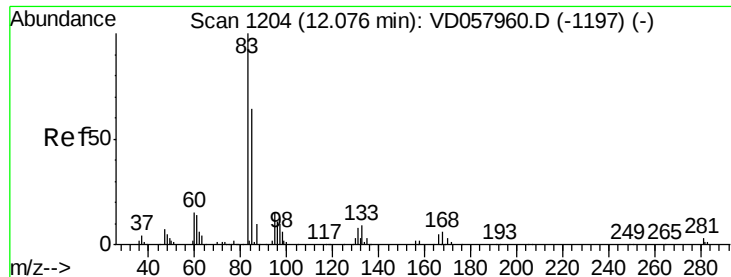
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.59 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

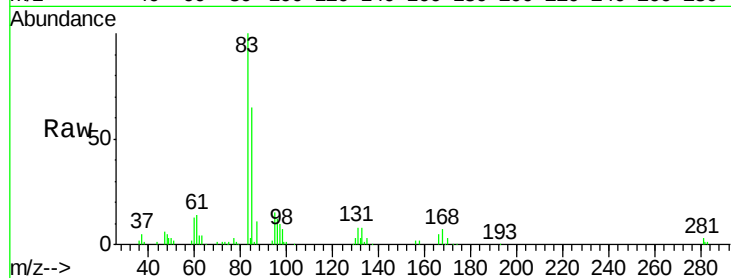
Tgt Ion: 83 Resp: 154763

Ion Ratio Lower Upper

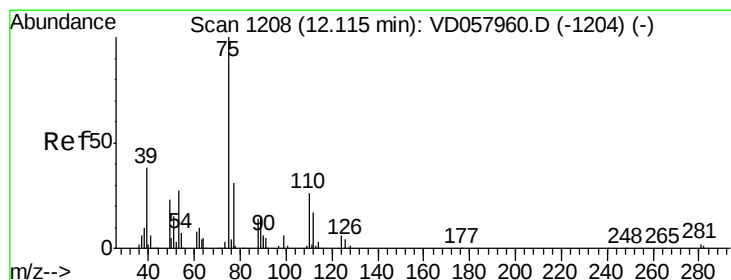
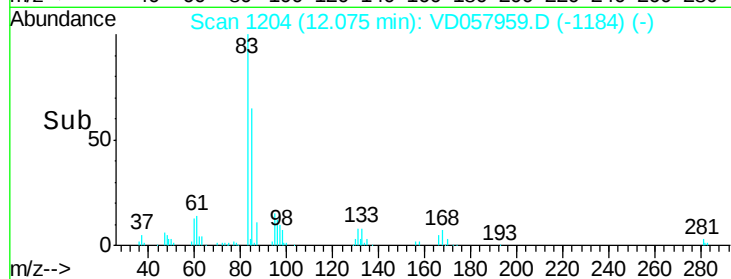
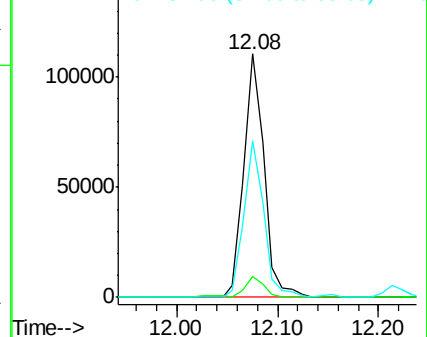
83 100

131 8.4 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: 19.76 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD057959.D

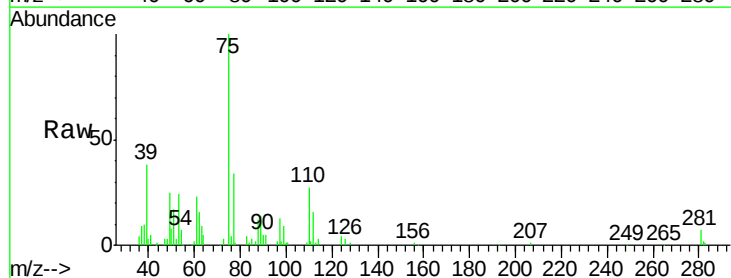
Acq: 6 Jun 2018 18:50

Tgt Ion: 75 Resp: 154534

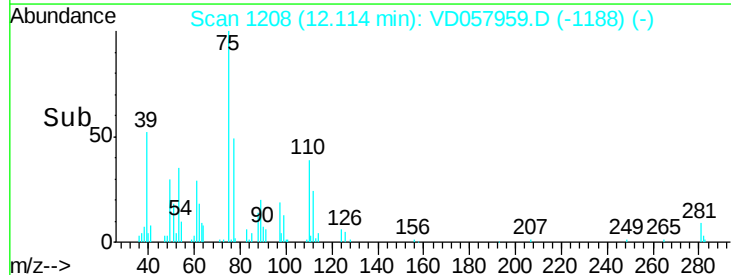
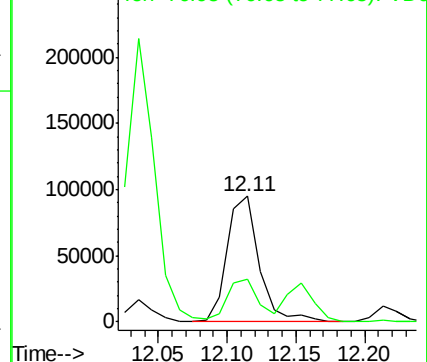
Ion Ratio Lower Upper

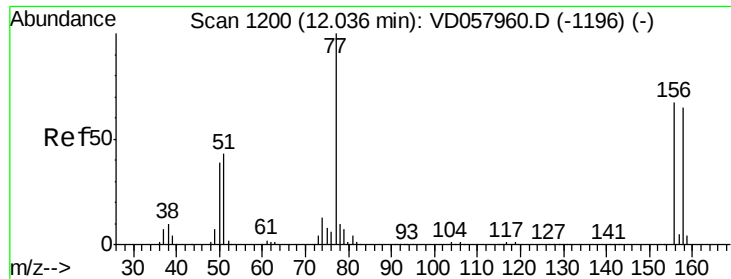
75 100

77 34.0 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: 20.60 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

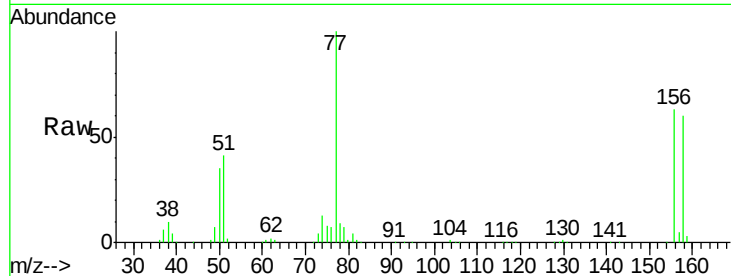
Tgt Ion:156 Resp: 210196

Ion Ratio Lower Upper

156 100

77 160.0 75.0 224.8

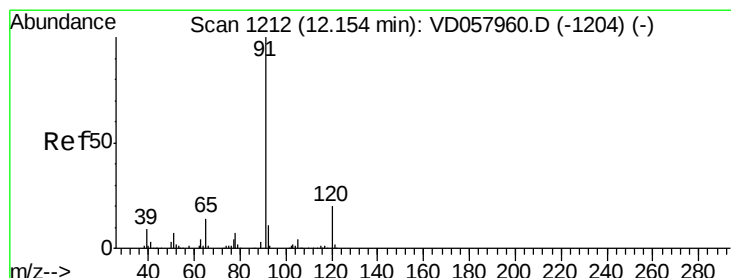
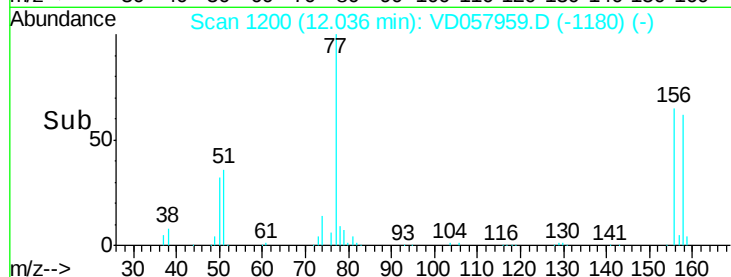
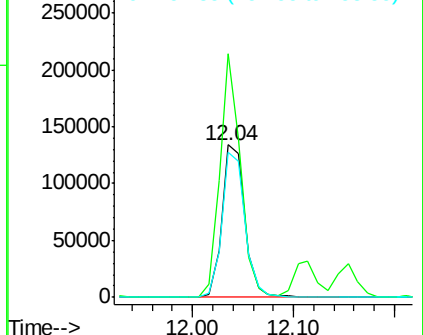
158 95.5 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.26 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD057959.D

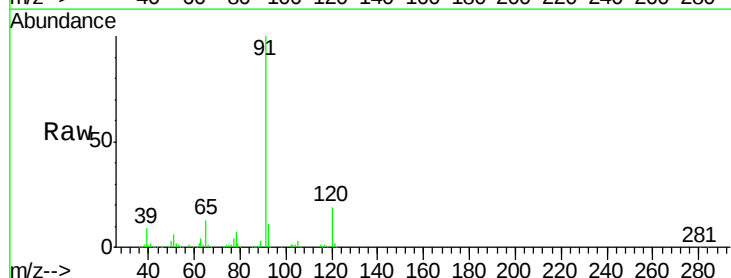
Acq: 6 Jun 2018 18:50

Tgt Ion: 91 Resp: 953713

Ion Ratio Lower Upper

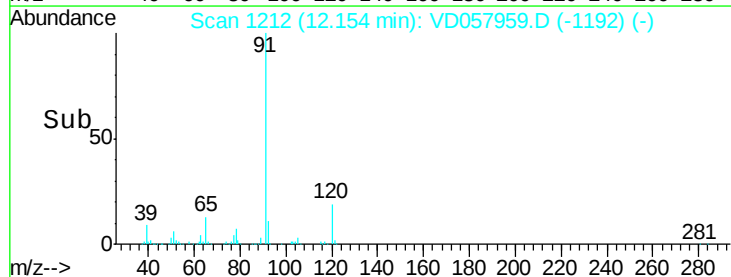
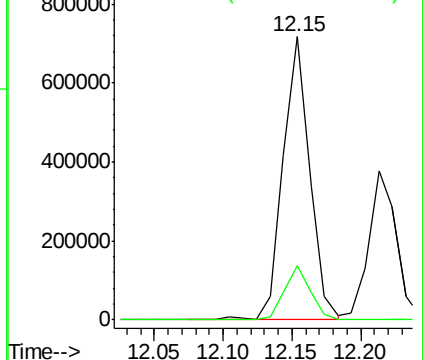
91 100

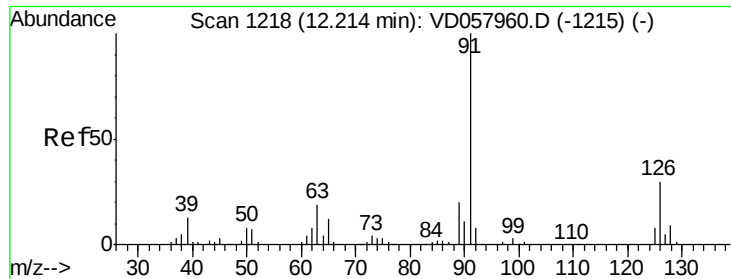
120 19.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

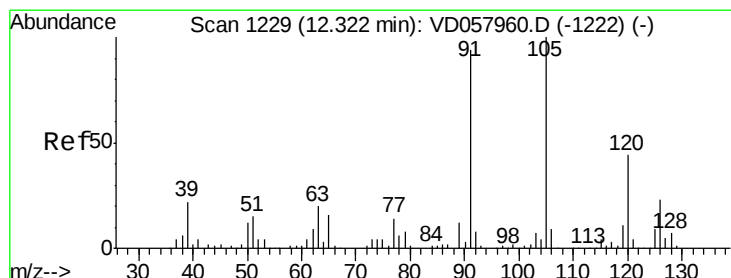
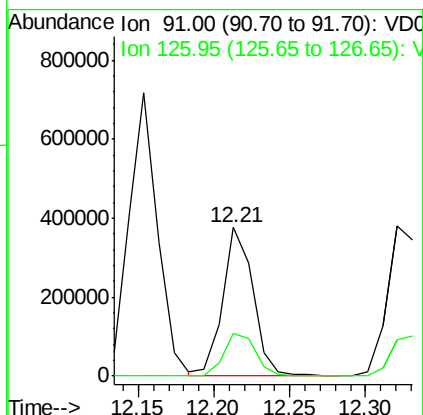
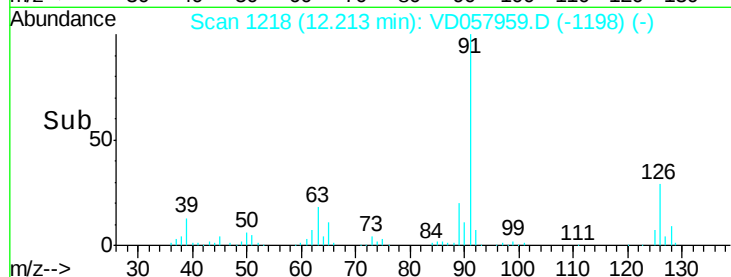
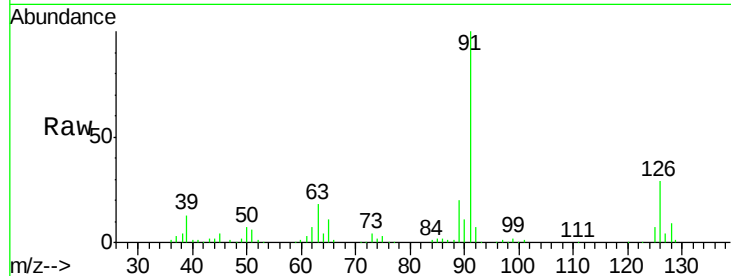




#79
2-Chlorotoluene
Concen: 20.36 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

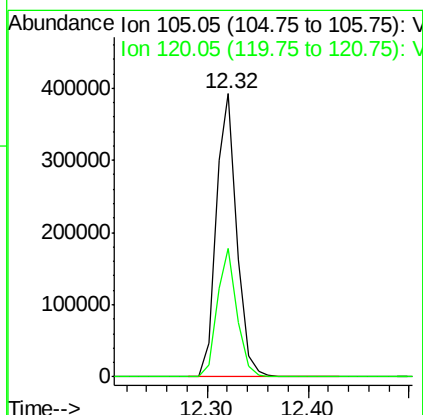
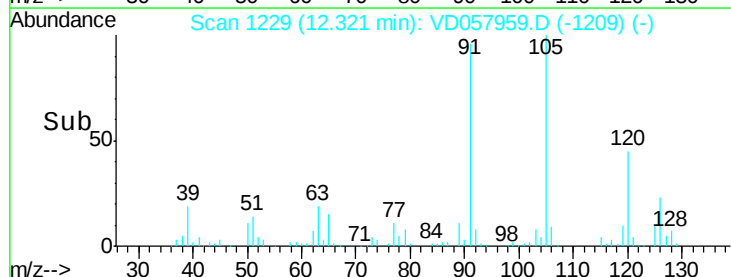
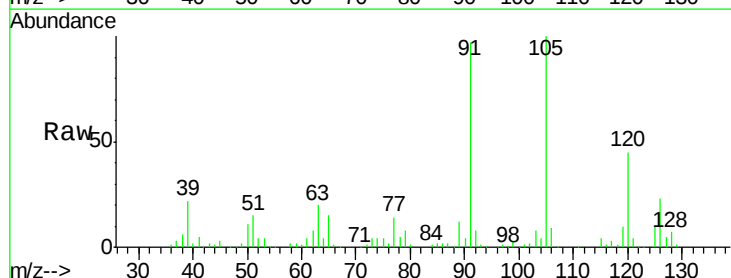
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 521126
Ion Ratio Lower Upper
91 100
126 29.0 14.6 44.0



#80
1,3,5-Trimethylbenzene
Concen: 16.94 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 105 Resp: 559711
Ion Ratio Lower Upper
105 100
120 45.3 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.15 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

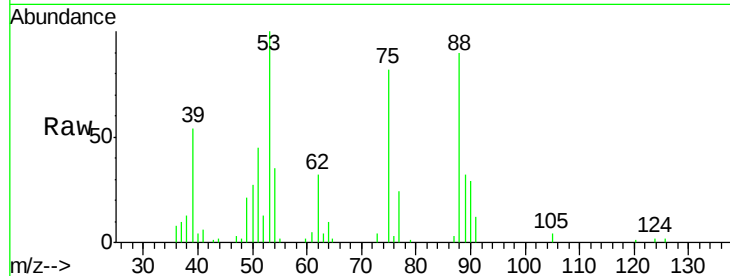
Tgt Ion: 75 Resp: 39026

Ion Ratio Lower Upper

75 100

53 121.8 89.3 133.9

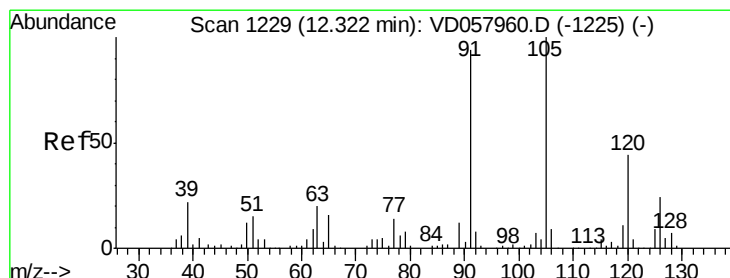
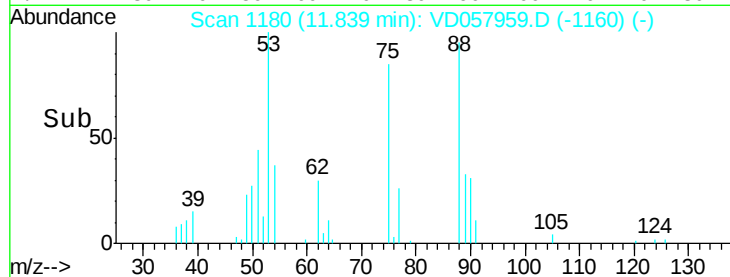
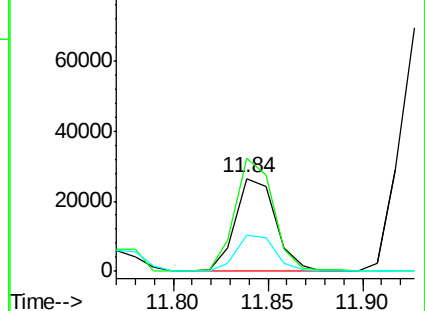
89 38.4 33.3 49.9



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: 20.82 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD057959.D

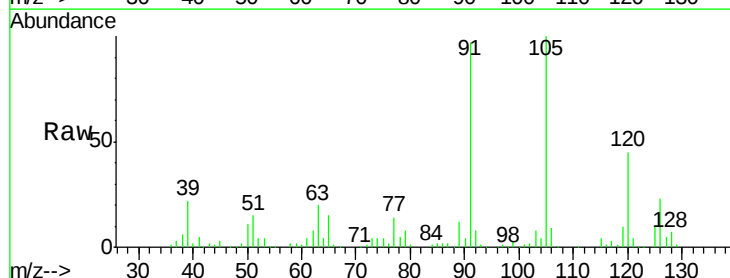
Acq: 6 Jun 2018 18:50

Tgt Ion: 91 Resp: 582040

Ion Ratio Lower Upper

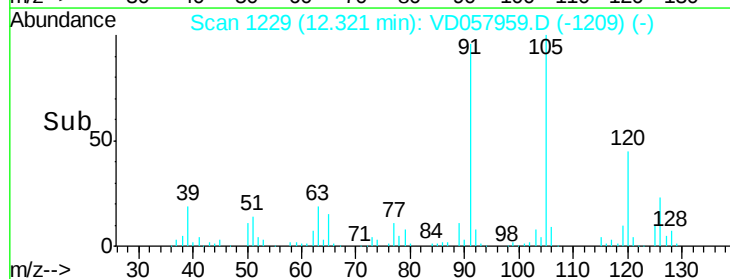
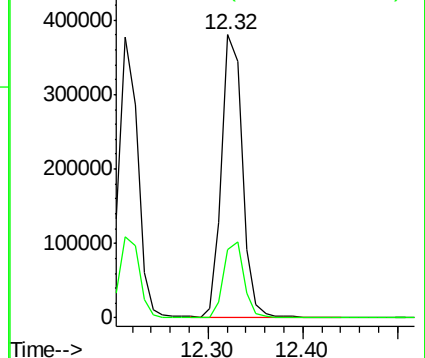
91 100

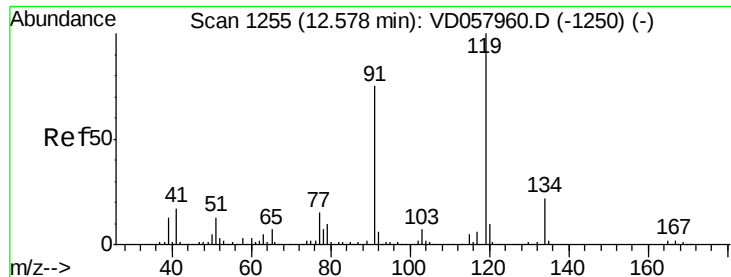
126 23.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

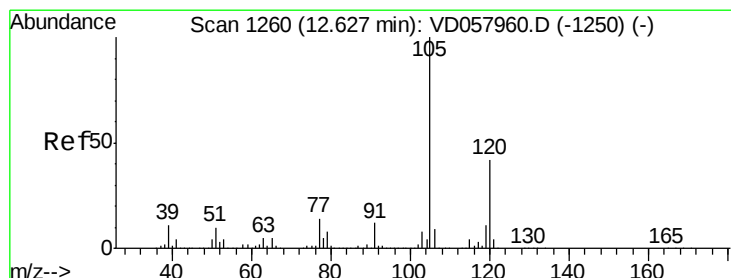
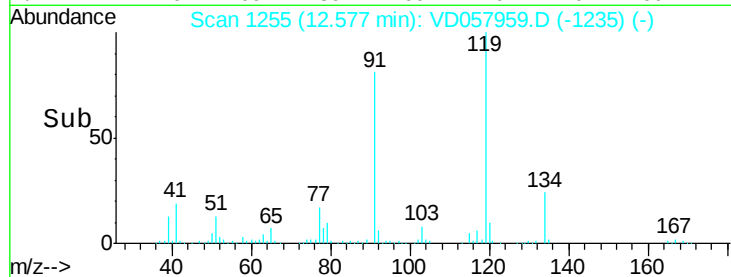
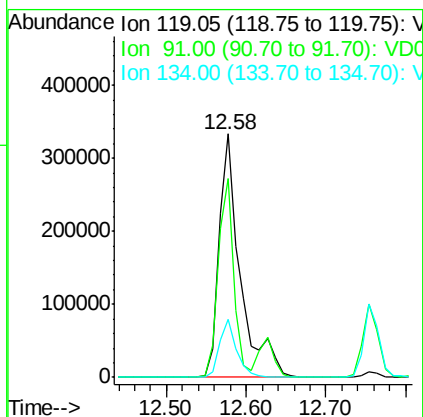
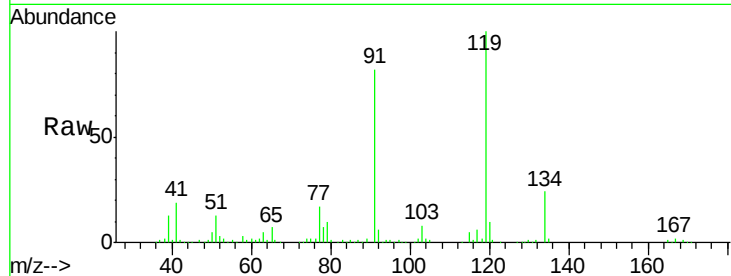




#83
 tert-Butylbenzene
 Concen: 20.51 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

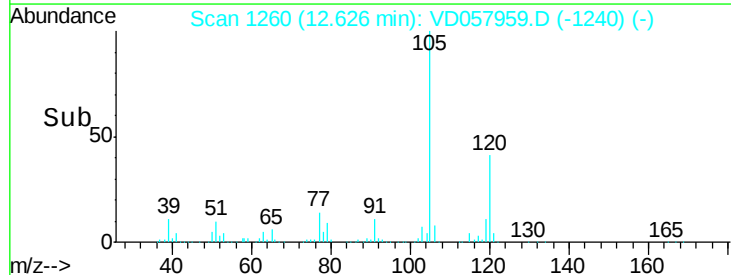
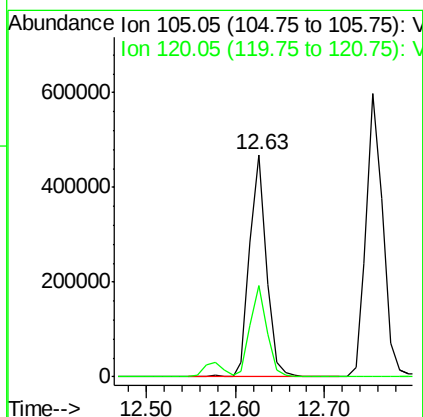
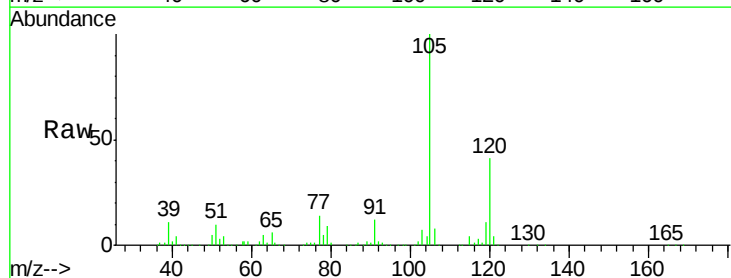
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

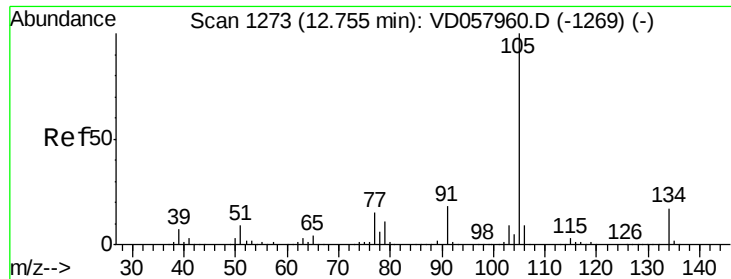
Tgt Ion:119 Resp: 622829
 Ion Ratio Lower Upper
 119 100
 91 81.8 37.6 112.9
 134 23.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.20 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Tgt Ion:105 Resp: 612985
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.2 63.6





#85

sec-Butylbenzene

Concen: 21.48 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

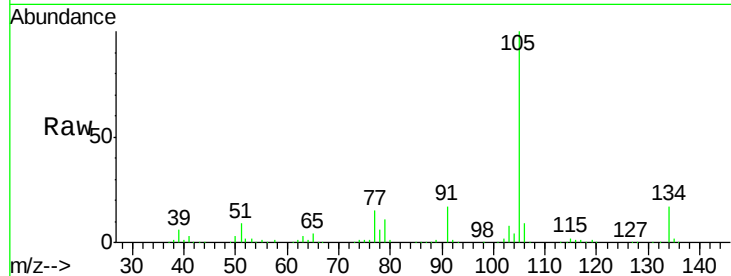
VSTDIC020

Tgt Ion:105 Resp: 786878

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

12.75

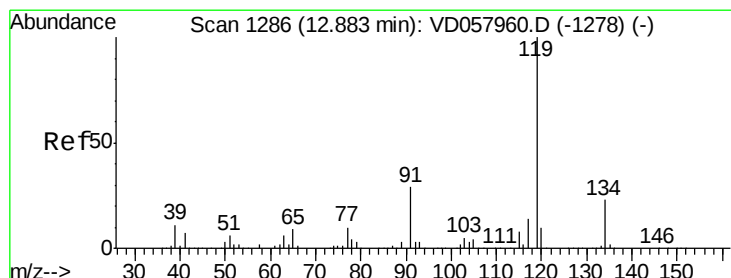
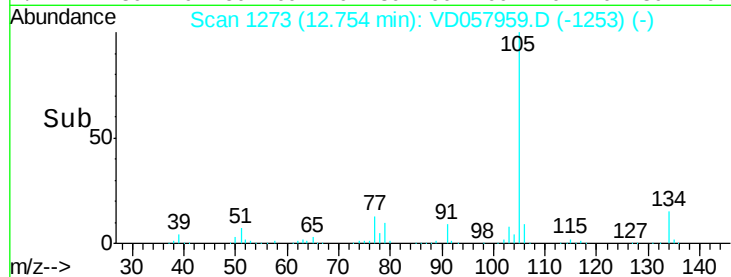
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.72 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

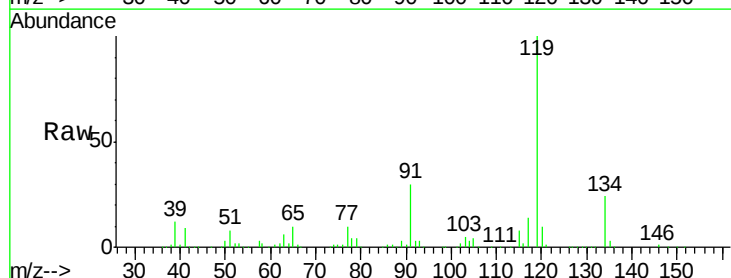
Tgt Ion:119 Resp: 611874

Ion Ratio Lower Upper

119 100

134 24.0 11.5 34.4

91 30.4 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

12.88

600000

500000

400000

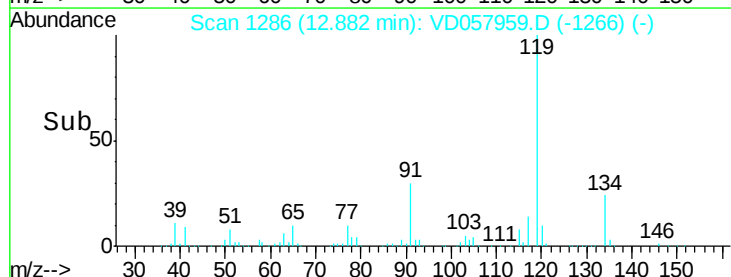
300000

200000

100000

0

Time-->

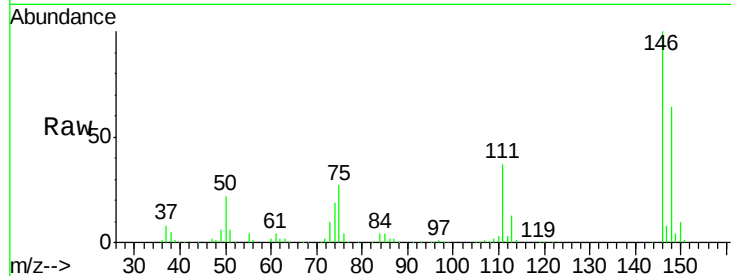




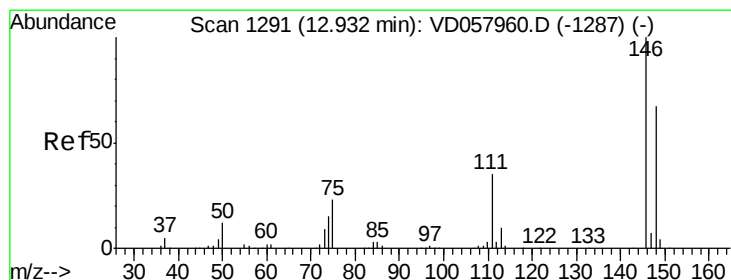
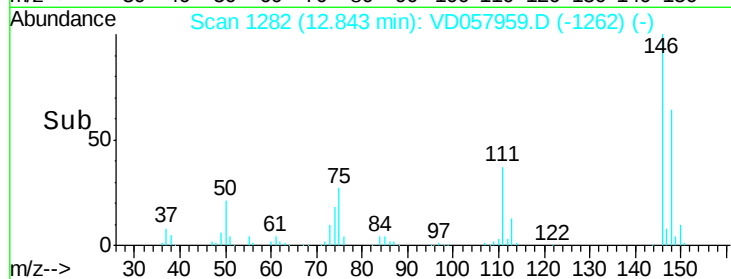
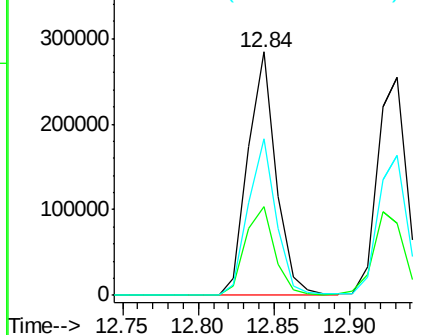
#87
 1,3-Dichlorobenzene
 Concen: 21.44 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 370136
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.1 57.3
 148 64.5 32.0 96.2

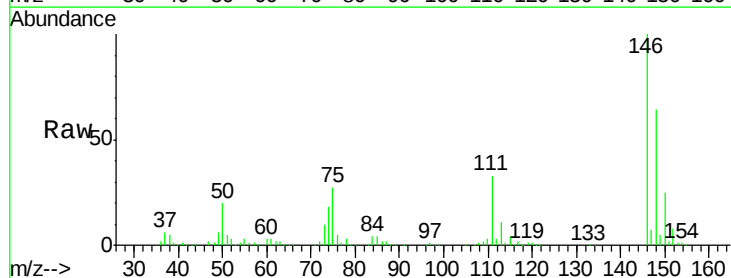


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

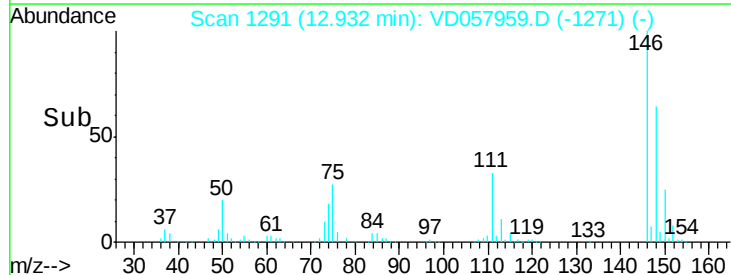
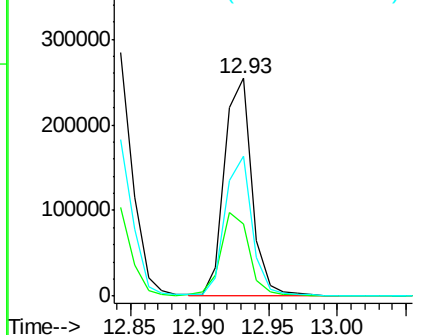


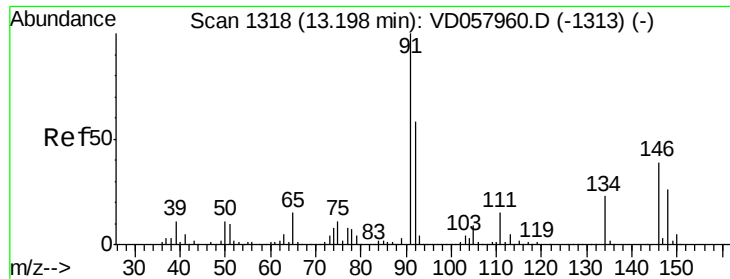
#88
 1,4-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Tgt Ion:146 Resp: 351016
 Ion Ratio Lower Upper
 146 100
 111 33.1 17.3 52.0
 148 64.0 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

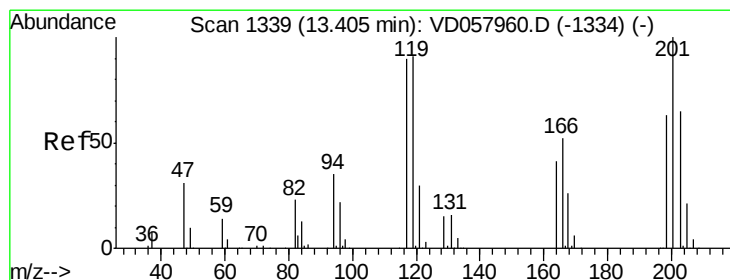
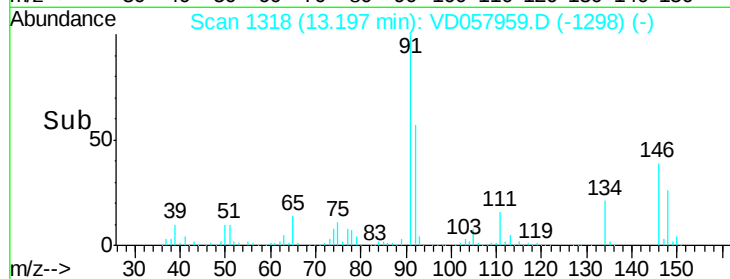
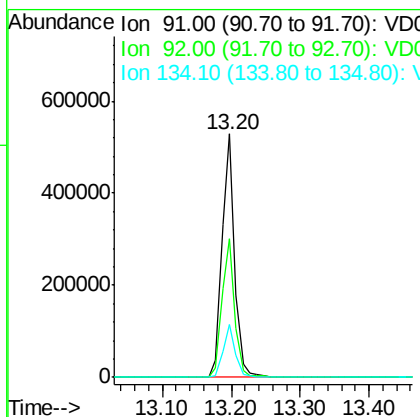
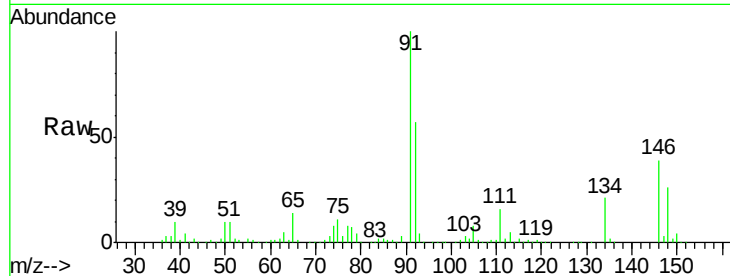




#89
n-Butylbenzene
Concen: 22.11 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

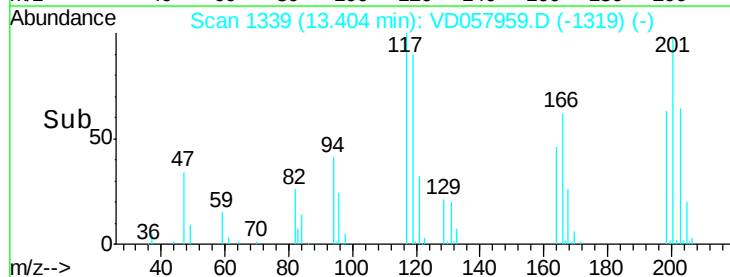
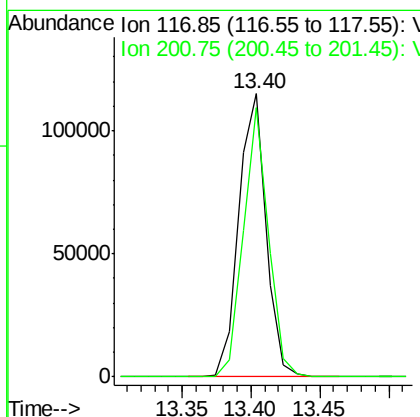
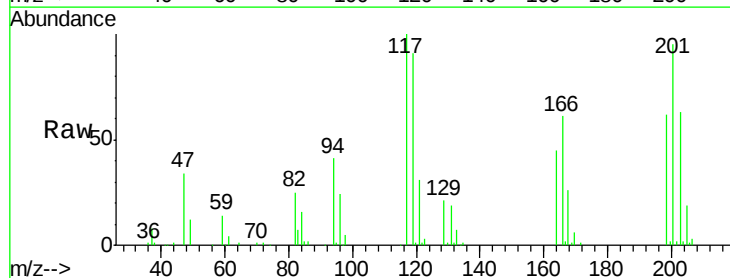
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

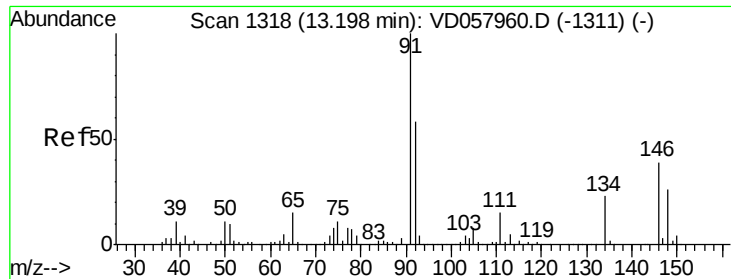
Tgt Ion: 91 Resp: 672098
Ion Ratio Lower Upper
91 100
92 56.7 29.2 87.6
134 21.5 11.3 33.9



#90
Hexachloroethane
Concen: 21.05 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion: 117 Resp: 158639
Ion Ratio Lower Upper
117 100
201 95.2 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 21.88 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

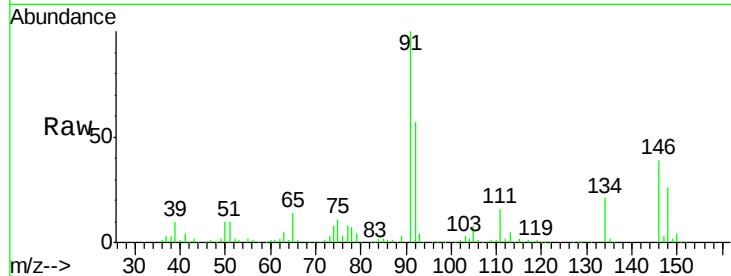
Tgt Ion:146 Resp: 305282

Ion Ratio Lower Upper

146 100

111 40.7 19.4 58.2

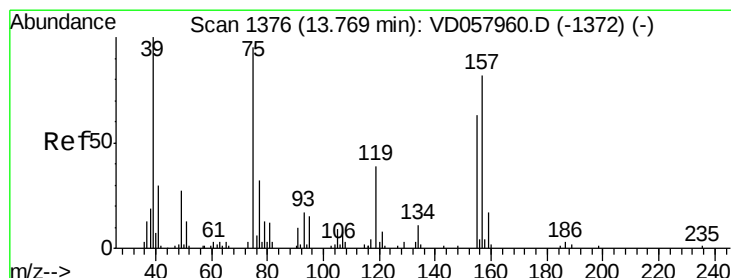
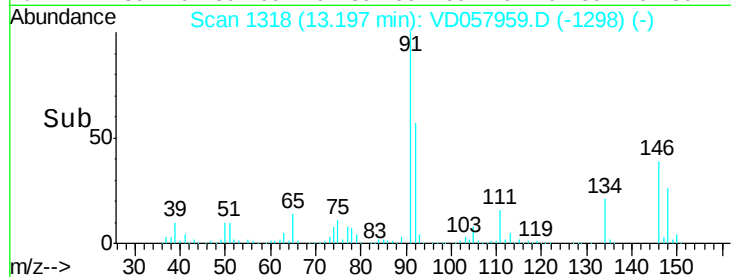
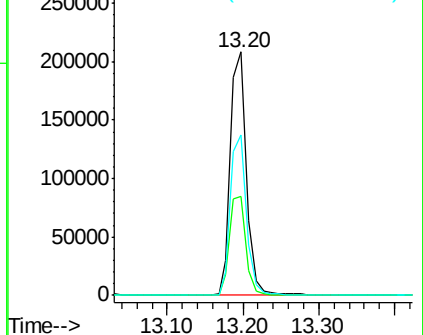
148 65.7 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.47 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD057959.D

Acq: 6 Jun 2018 18:50

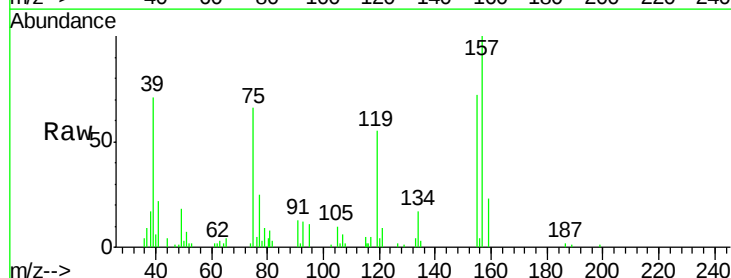
Tgt Ion: 75 Resp: 21430

Ion Ratio Lower Upper

75 100

155 108.6 33.4 100.1#

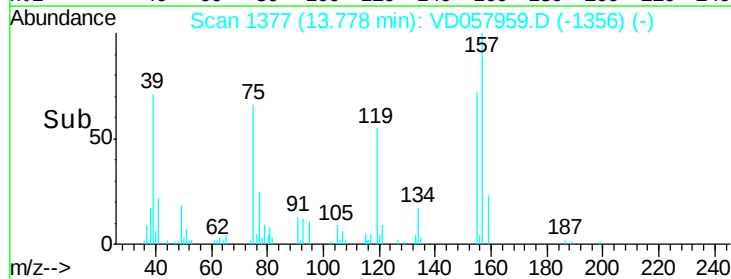
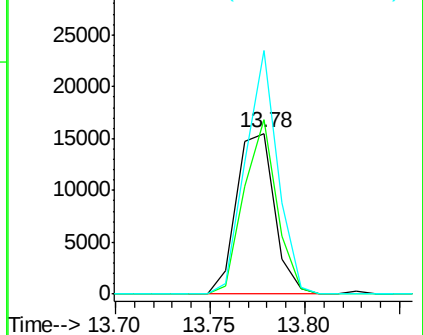
157 151.6 42.9 128.5#

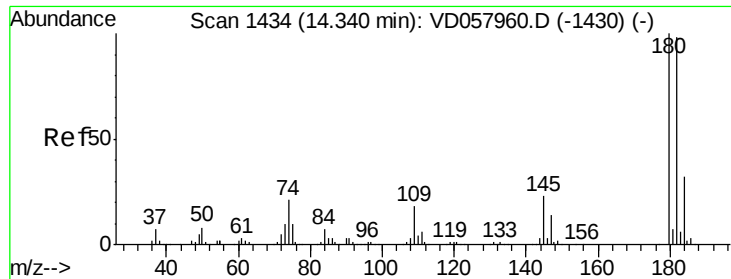


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

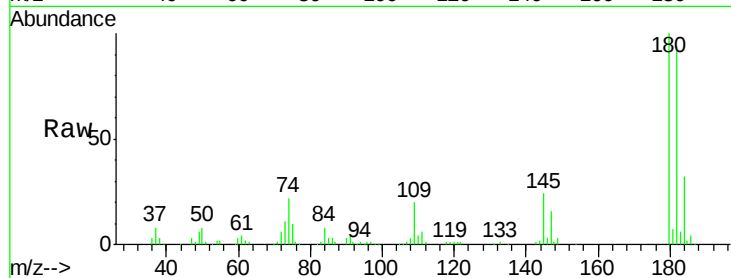




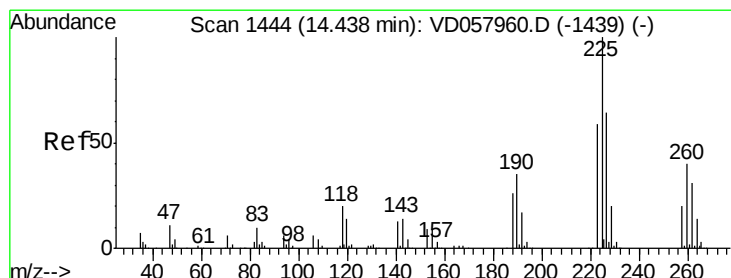
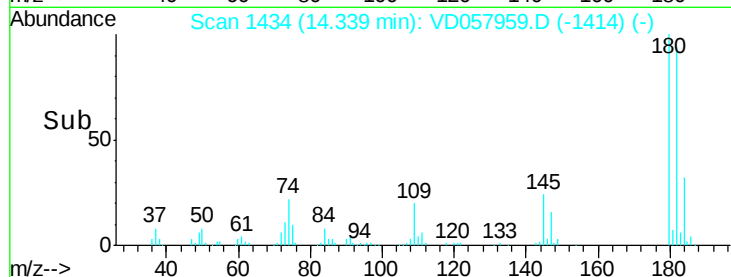
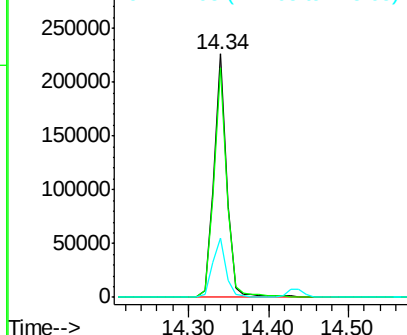
#93
 1,2,4-Trichlorobenzene
 Concen: 19.94 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 259857
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.0 147.2
 145 24.1 11.8 35.3

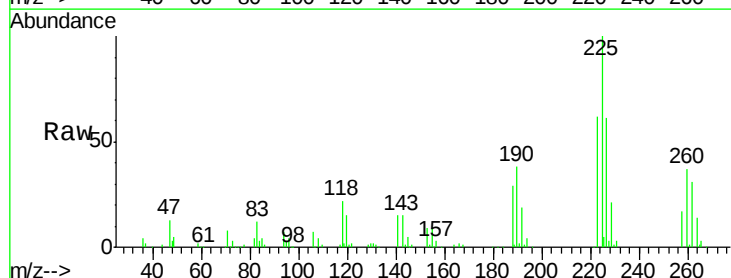


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

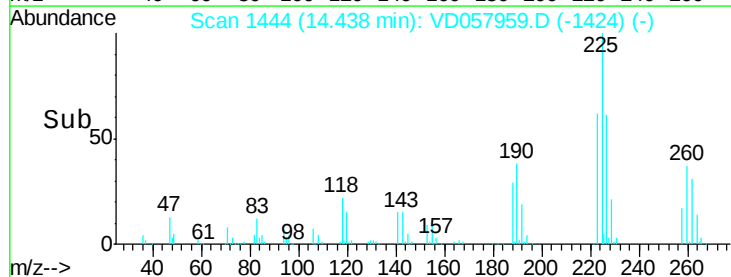
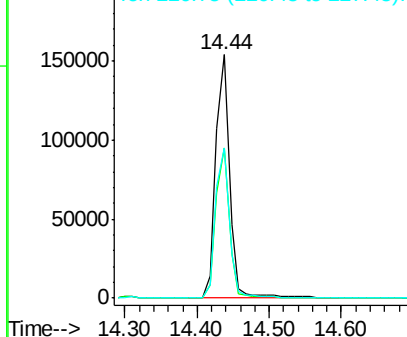


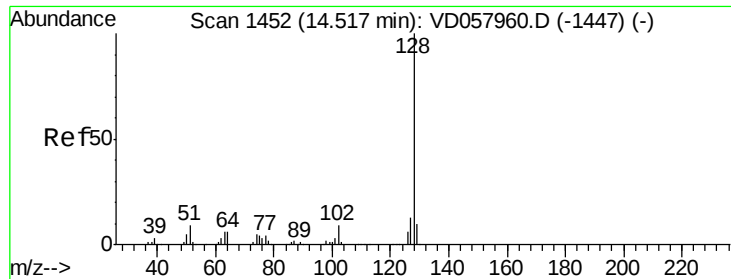
#94
 Hexachlorobutadiene
 Concen: 19.75 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD057959.D
 Acq: 6 Jun 2018 18:50

Tgt Ion:225 Resp: 202469
 Ion Ratio Lower Upper
 225 100
 223 61.8 29.5 88.6
 227 61.5 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

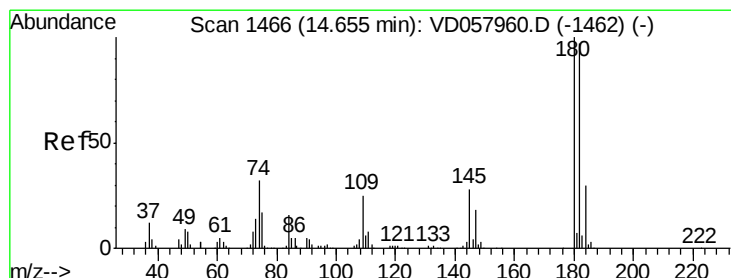
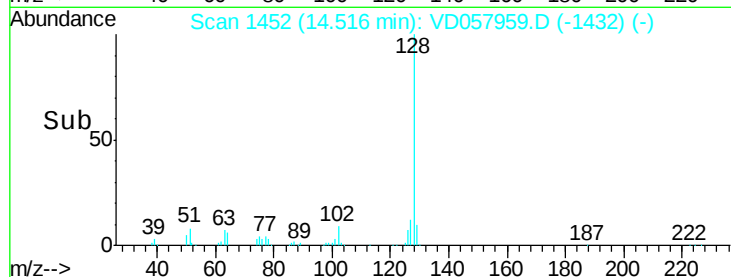
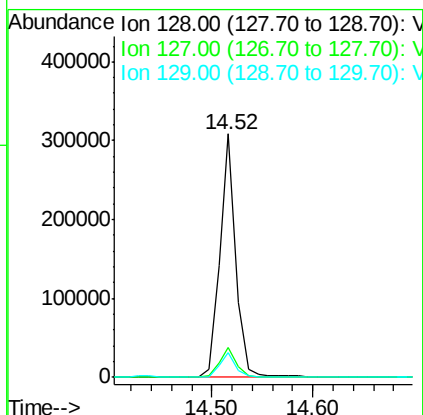
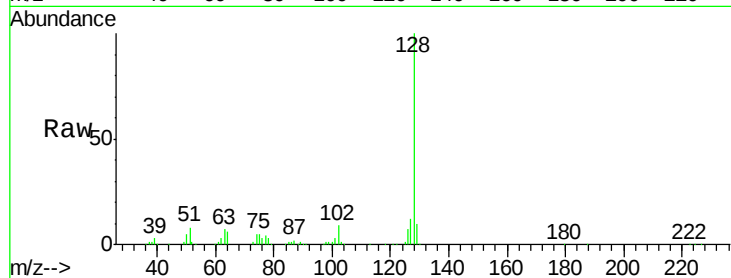




#95
Naphthalene
Concen: 20.36 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 342224
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.49 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD057959.D
Acq: 6 Jun 2018 18:50

Tgt Ion:180 Resp: 227601
Ion Ratio Lower Upper
180 100
182 97.2 48.5 145.5
145 23.5 14.2 42.8

