

Data File : VD060647.D
Acq On : 19 Dec 2018 19:33
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Dec 20 01:07:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	310314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	427750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	381896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	300987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	115792	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	6.29	113	159671	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	9.44	98	495269	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.42	95	215751	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.56	85	170467	37.059	ug/l	100
3) Chloromethane	1.74	50	275551	50.000	ug/l	100
4) Vinyl Chloride	1.83	62	209576	50.000	ug/l	100
5) Bromomethane	2.13	94	121766	50.000	ug/l	100
6) Chloroethane	2.24	64	93075	50.000	ug/l	100
7) Trichlorofluoromethane	2.49	101	228976	50.000	ug/l	100
8) Diethyl Ether	2.79	74	44132	50.000	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.07	101	156699	50.000	ug/l	100
10) Methyl Iodide	3.22	142	166512	50.000	ug/l	100
11) Tert butyl alcohol	3.90	59	24096	250.000	ug/l	100
12) 1,1-Dichloroethene	3.05	96	134045	50.000	ug/l	100
13) Acrolein	2.95	56	28660	250.000	ug/l	100
14) Allyl chloride	3.51	41	224886	50.000	ug/l	100
15) Acrylonitrile	4.04	53	132422	250.000	ug/l	100
16) Acetone	3.13	43	135904	250.000	ug/l	100
17) Carbon Disulfide	3.29	76	440570	50.000	ug/l	100
18) Methyl Acetate	3.51	43	70714	50.000	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	195433	50.000	ug/l	100
20) Methylene Chloride	3.69	84	182312	50.000	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	185580	50.000	ug/l	100
22) Diisopropyl ether	4.81	45	555731	50.000	ug/l	100
23) Vinyl Acetate	4.76	43	1272831	250.000	ug/l	100
24) 1,1-Dichloroethane	4.72	63	292707	50.000	ug/l	100
25) 2-Butanone	5.58	43	186913	250.000	ug/l	100
26) 2,2-Dichloropropane	5.56	77	158914	50.000	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	178744	50.000	ug/l	100
28) Bromochloromethane	5.90	49	113105	50.000	ug/l	100
29) Tetrahydrofuran	5.91	42	101346	250.000	ug/l	100
30) Chloroform	6.08	83	295364	50.000	ug/l	100
31) Cyclohexane	6.34	56	266115	50.000	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	228570	50.000	ug/l	100
36) 1,1-Dichloropropene	6.50	75	241251	50.000	ug/l	100
37) Ethyl Acetate	5.65	43	82959	50.000	ug/l	100
38) Carbon Tetrachloride	6.48	117	185175	50.000	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	254973	50.000	ug/l	100
40) Benzene	6.77	78	600734	50.000	ug/l	100
41) Methacrylonitrile	5.90	41	105990	107.321	ug/l #	87
42) 1,2-Dichloroethane	6.86	62	149333	50.000	ug/l	100
43) Isopropyl Acetate	8.32	43	109611	50.000	ug/l	100
44) Trichloroethene	7.72	130	176100	50.000	ug/l	100
45) 1,2-Dichloropropane	8.09	63	144269	50.000	ug/l	100
46) Dibromomethane	8.19	93	76933	50.000	ug/l	100
47) Bromodichloromethane	8.47	83	193174	50.000	ug/l	100
48) Methyl methacrylate	8.22	41	65768	50.000	ug/l	100
49) 1,4-Dioxane	8.21	88	14186	1000.000	ug/l	100
51) 4-Methyl-2-Pentanone	9.32	43	366749	250.000	ug/l	100
52) Toluene	9.53	92	366254	50.000	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	147183	50.000	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	197091	50.000	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	97732	50.000	ug/l	100
56) Ethyl methacrylate	10.01	69	86952	50.000	ug/l	100
57) 1,3-Dichloropropane	10.37	76	164813	50.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	127988	250.000	ug/l	100
59) 2-Hexanone	10.48	43	263014	250.000	ug/l	100
60) Dibromochloromethane	10.62	129	127844	50.000	ug/l	100
61) 1,2-Dibromoethane	10.74	107	97466	50.000	ug/l	100
64) Tetrachloroethene	10.24	164	170646	50.000	ug/l	100
65) Chlorobenzene	11.30	112	419895	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	139891	50.000	ug/l	100
67) Ethyl Benzene	11.42	91	759238	50.000	ug/l	100
68) m/p-Xylenes	11.56	106	562910	100.000	ug/l	100
69) o-Xylene	11.92	106	277880	50.000	ug/l	100
70) Styrene	11.95	104	453400	50.000	ug/l	100
71) Bromoform	12.11	173	91590	50.000	ug/l	100
73) Isopropylbenzene	12.27	105	806296	50.000	ug/l	100
74) N-amyl acetate	12.13	43	174196	50.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	140851	50.000	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	128210	50.000	ug/l	100
77) Bromobenzene	12.53	156	225263	50.000	ug/l	100
78) n-propylbenzene	12.63	91	1117358	50.000	ug/l	100
79) 2-Chlorotoluene	12.70	91	608917	50.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	720293	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	29540	50.000	ug/l	100
82) 4-Chlorotoluene	12.80	91	716486	50.000	ug/l	100
83) tert-Butylbenzene	13.05	119	830511	50.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	792300	50.000	ug/l	100
85) sec-Butylbenzene	13.21	105	1064606	50.000	ug/l	100
86) p-Isopropyltoluene	13.34	119	916893	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	505016	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	510230	50.000	ug/l	100
89) n-Butylbenzene	13.65	91	1051048	50.000	ug/l	100
90) Hexachloroethane	13.85	117	220012	50.000	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	461182	50.000	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24366	50.000	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	469485	50.000	ug/l	100
94) Hexachlorobutadiene	14.88	225	348151	50.000	ug/l	100
95) Naphthalene	14.96	128	553431	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	383340	50.000	ug/l	100

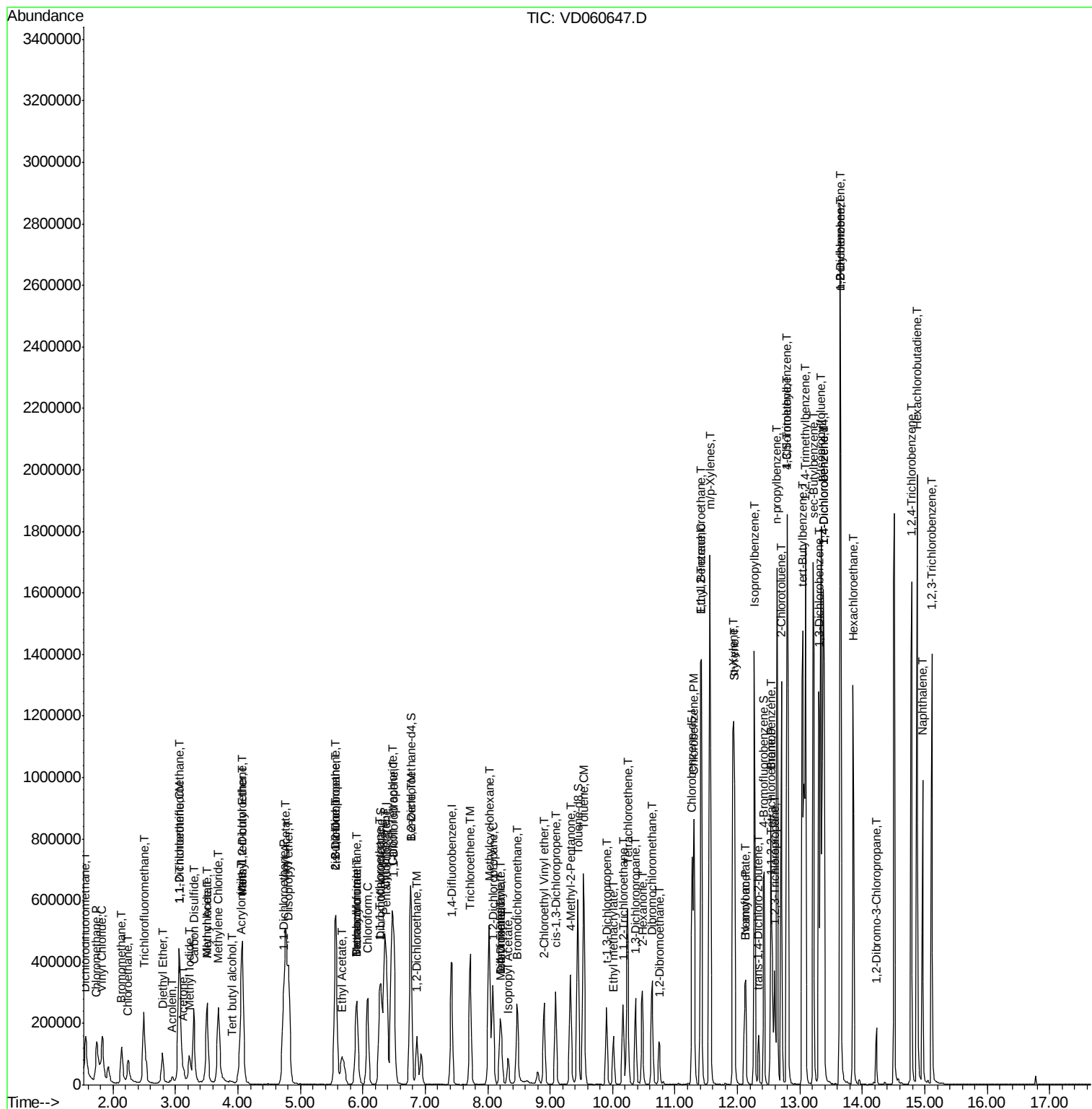
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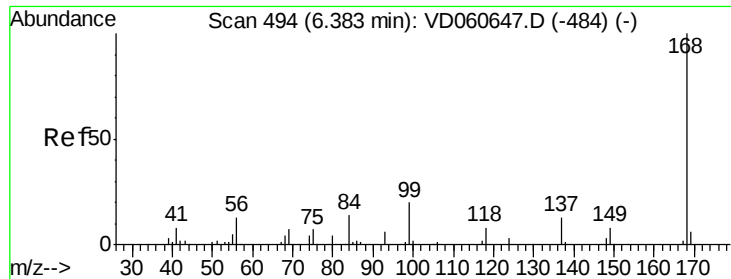
Data File : VD060647.D

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Sample       : VSTDICCC050
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

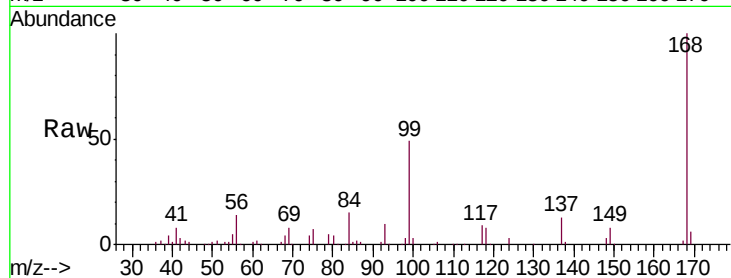
VSTDICCC050

Tgt Ion:168 Resp: 310314

Ion Ratio Lower Upper

168 100

99 48.7 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

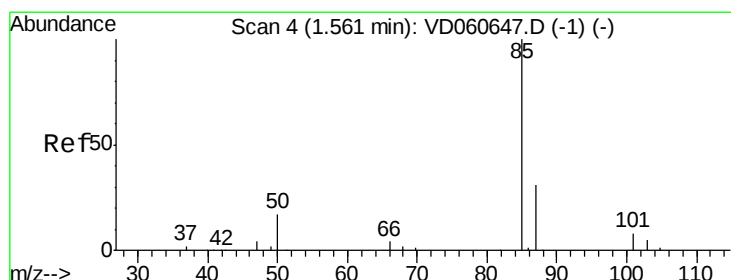
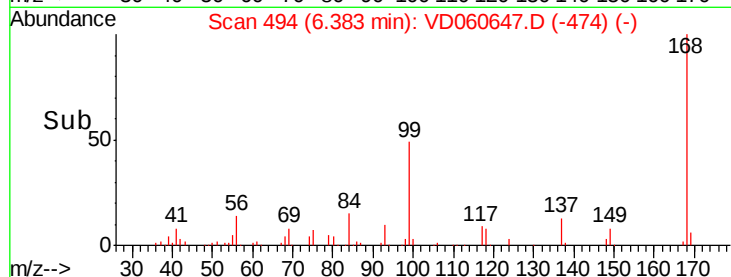
6.38

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 37.059 ug/l

RT: 1.56 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060647.D

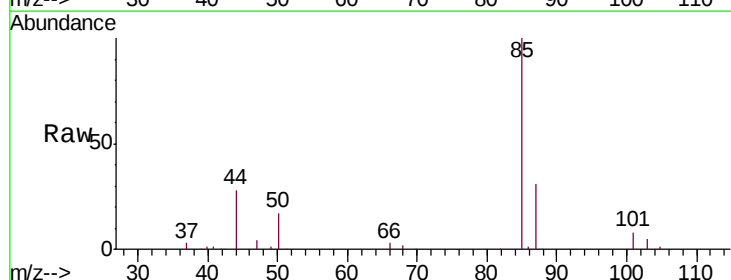
Acq: 19 Dec 2018 19:33

Tgt Ion: 85 Resp: 170467

Ion Ratio Lower Upper

85 100

87 30.6 15.3 45.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

80000

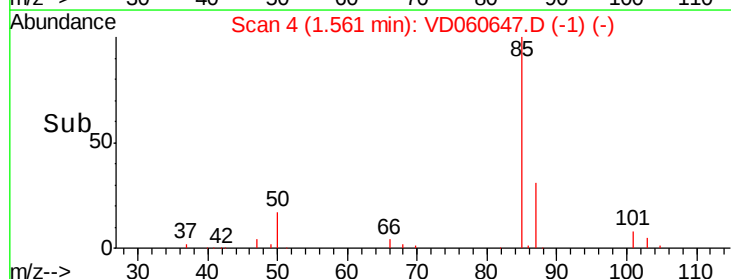
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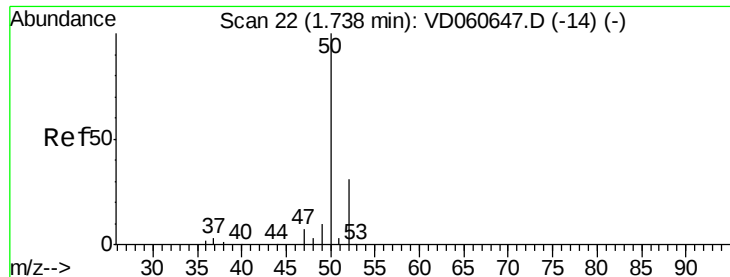
40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.000 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

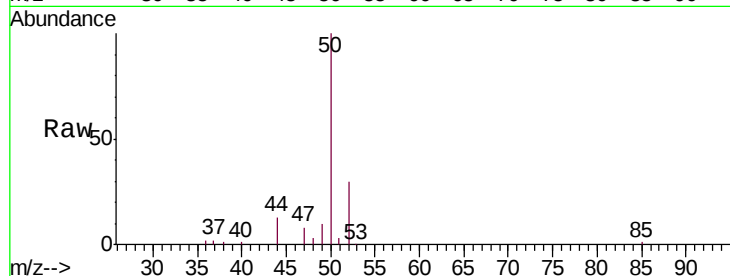
VSTDICCC050

Tgt Ion: 50 Resp: 275551

Ion Ratio Lower Upper

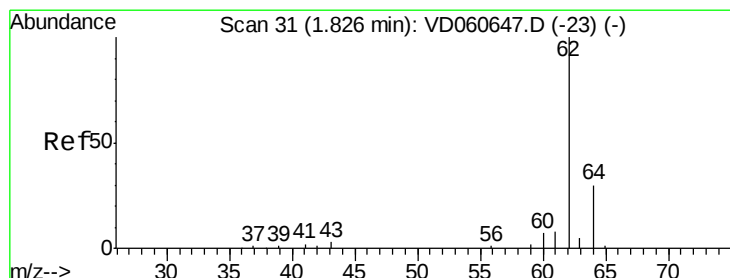
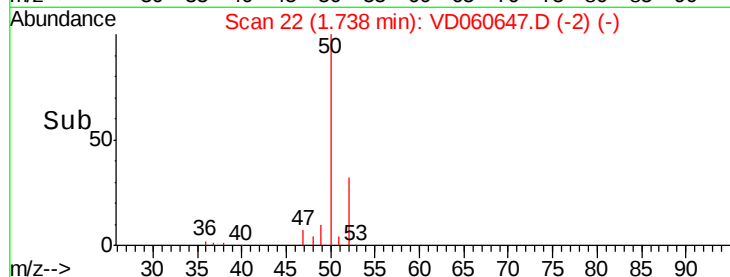
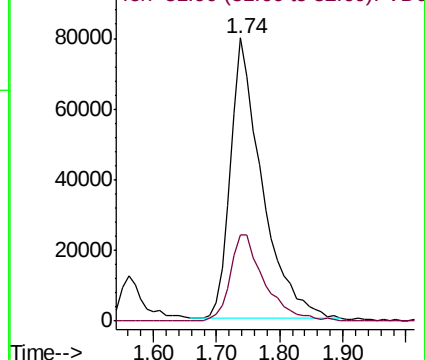
50 100

52 30.5 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060647.D

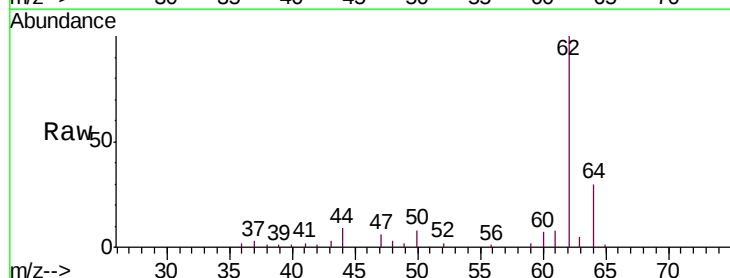
Acq: 19 Dec 2018 19:33

Tgt Ion: 62 Resp: 209576

Ion Ratio Lower Upper

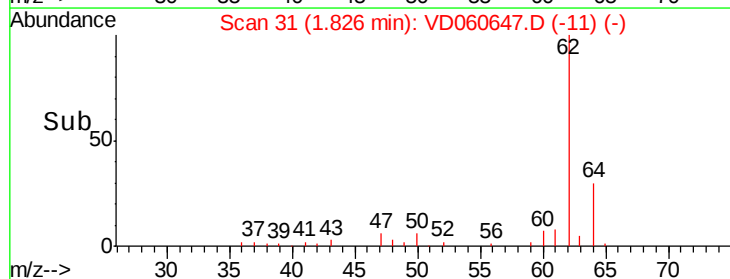
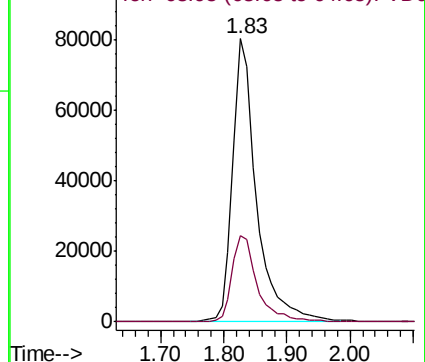
62 100

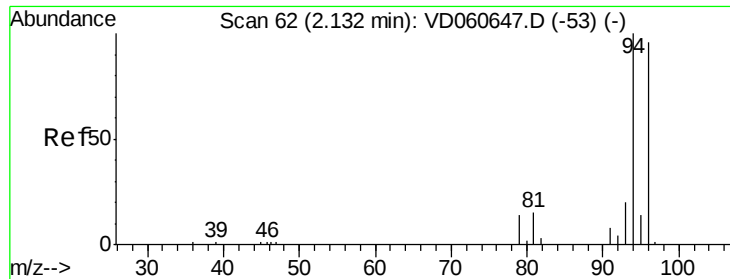
64 30.4 24.3 36.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

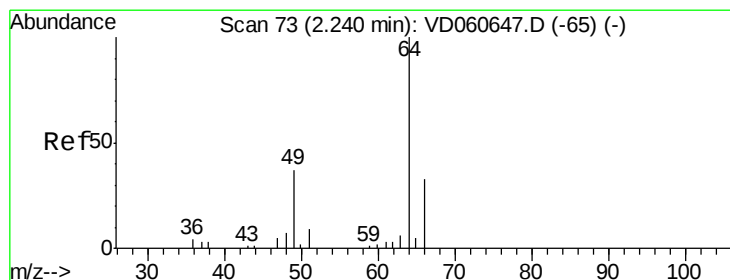
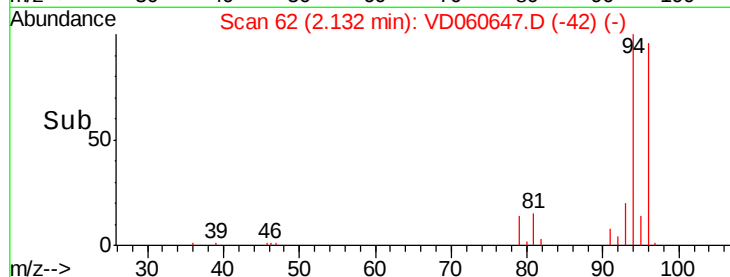
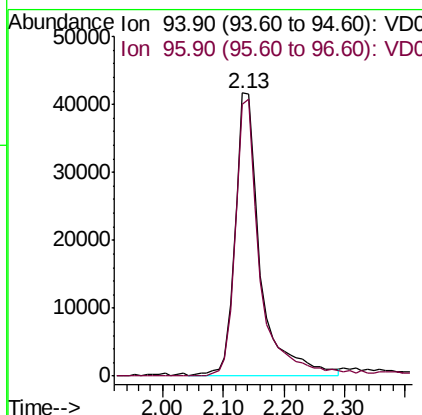
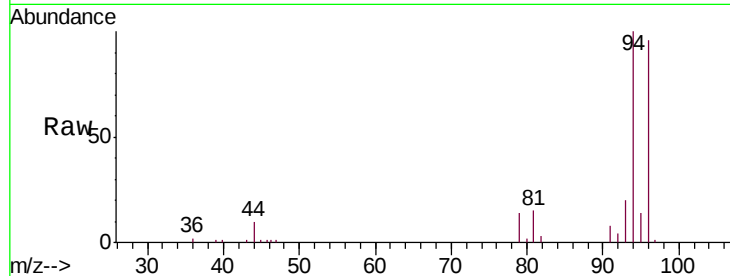




#5
Bromomethane
Concen: 50.000 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

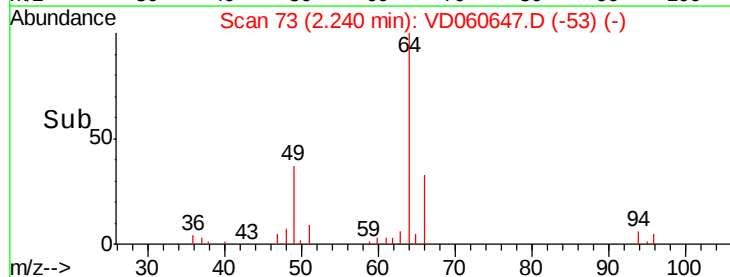
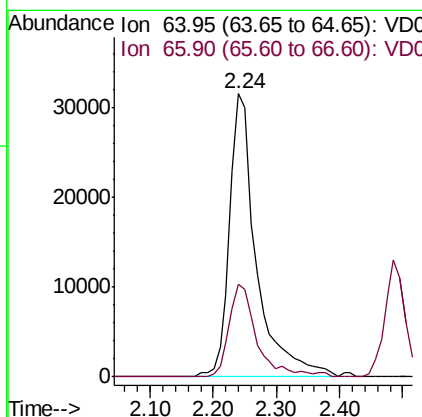
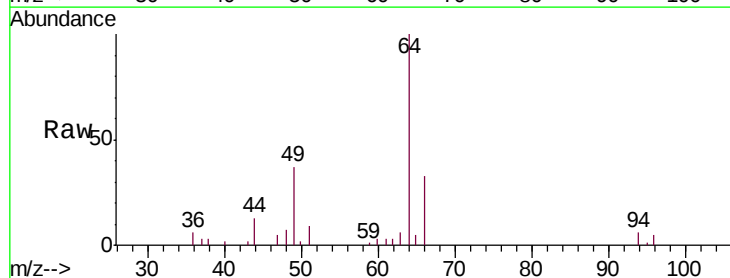
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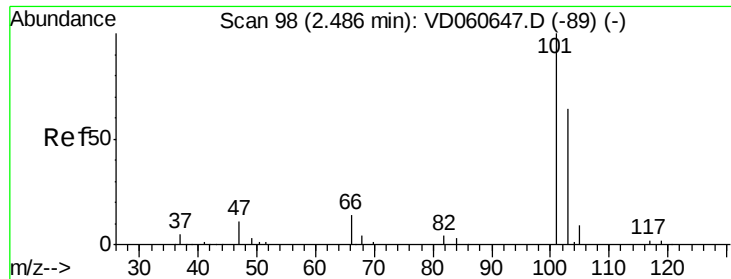
Tgt Ion: 94 Resp: 121766
Ion Ratio Lower Upper
94 100
96 95.9 76.7 115.1



#6
Chloroethane
Concen: 50.000 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 64 Resp: 93075
Ion Ratio Lower Upper
64 100
66 32.7 26.2 39.2





#7

Trichlorofluoromethane

Concen: 50.000 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

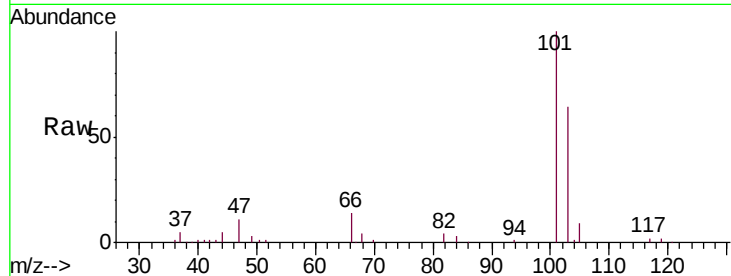
VSTDICCC050

Tgt Ion:101 Resp: 228976

Ion Ratio Lower Upper

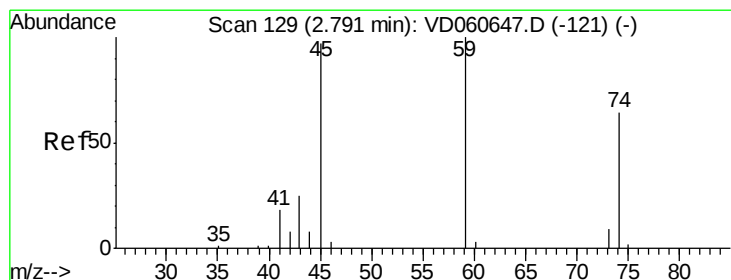
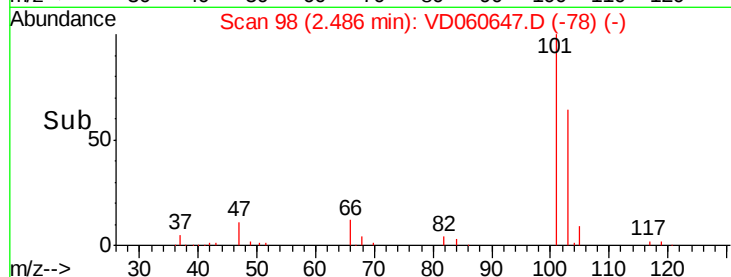
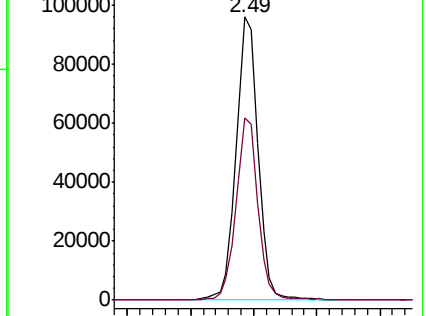
101 100

103 64.2 51.4 77.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 50.000 ug/l

RT: 2.79 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD060647.D

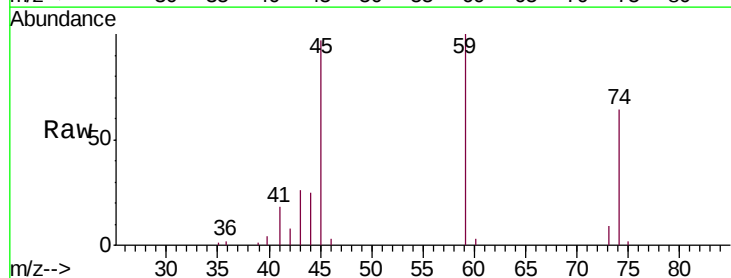
Acq: 19 Dec 2018 19:33

Tgt Ion: 74 Resp: 44132

Ion Ratio Lower Upper

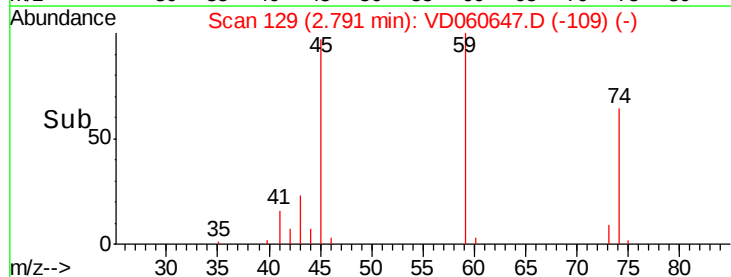
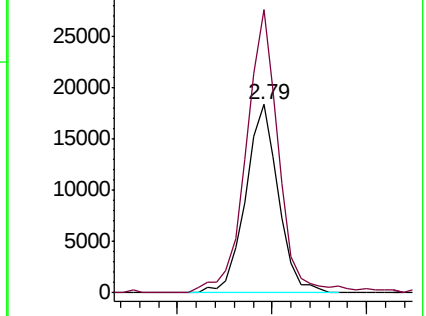
74 100

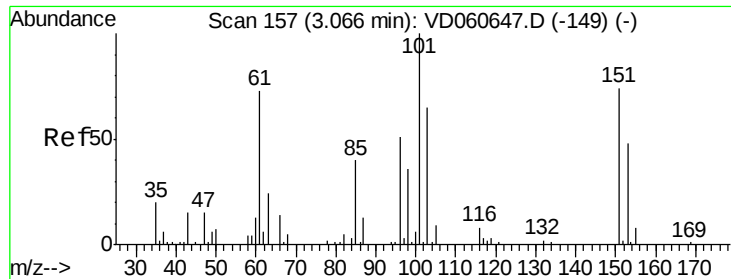
45 150.1 75.0 225.2



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: 50.000 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

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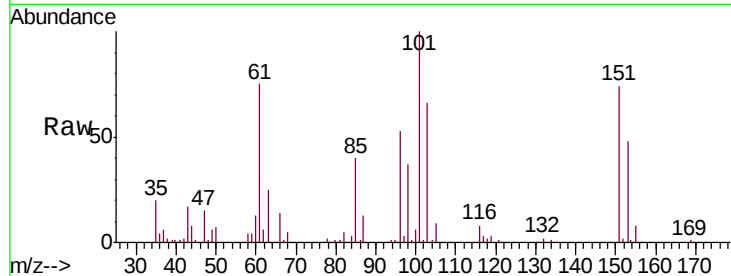
Tgt Ion:101 Resp: 156699

Ion Ratio Lower Upper

101 100

85 39.6 31.7 47.5

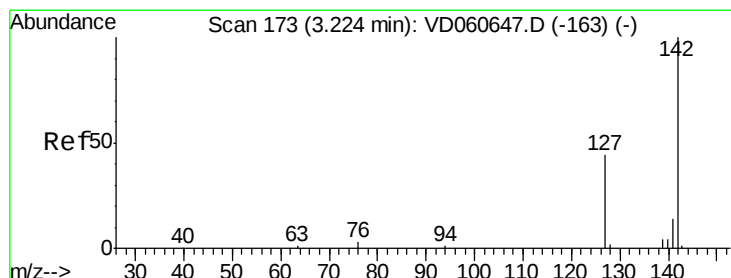
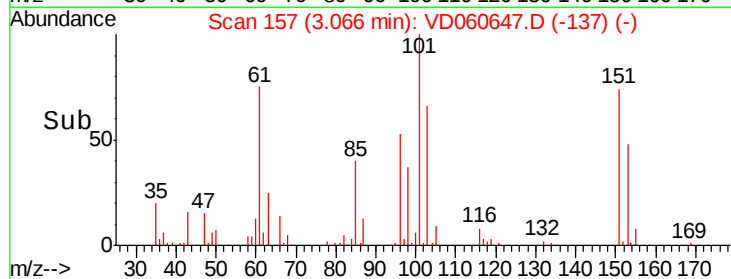
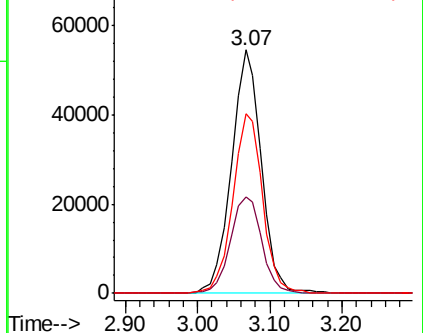
151 73.6 58.9 88.3



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: 50.000 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

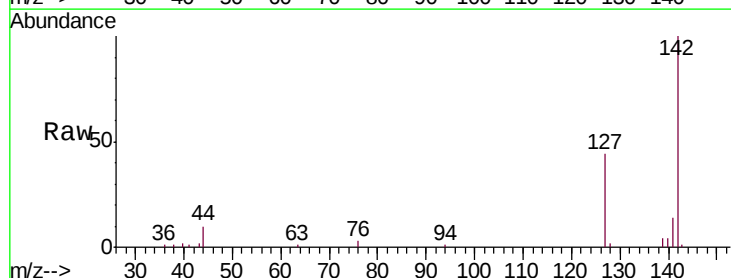
Tgt Ion:142 Resp: 166512

Ion Ratio Lower Upper

142 100

127 44.1 35.3 52.9

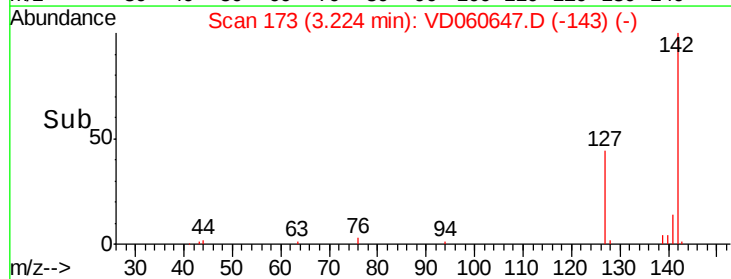
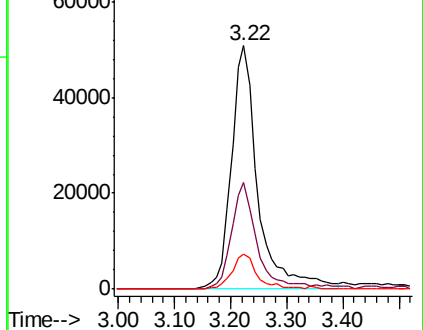
141 14.2 11.4 17.0

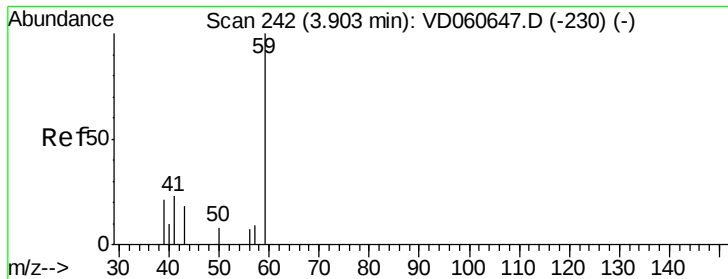


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

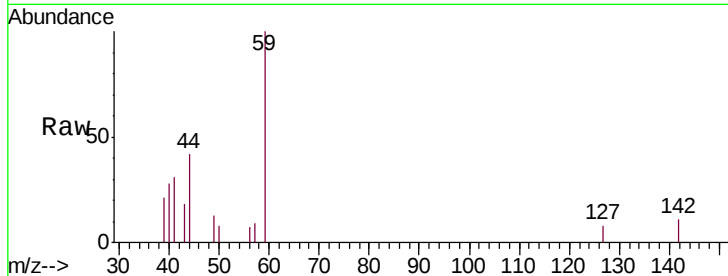




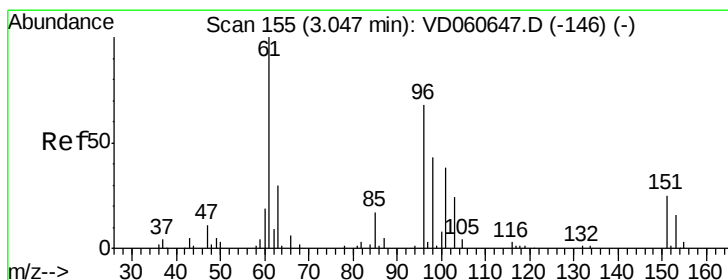
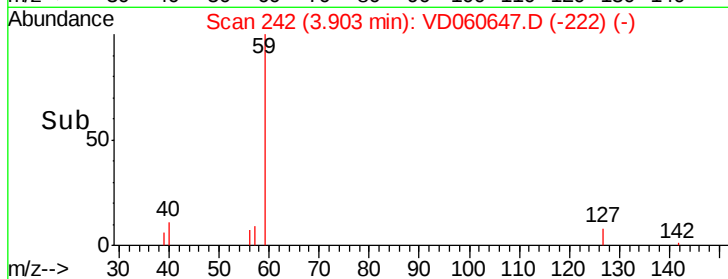
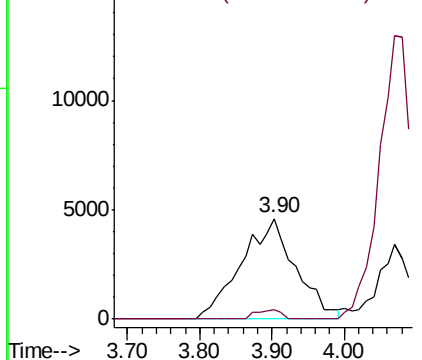
#11
Tert butyl alcohol
Concen: 250.000 ug/l
RT: 3.90 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 24096
Ion Ratio Lower Upper
59 100
57 8.8 7.0 10.6

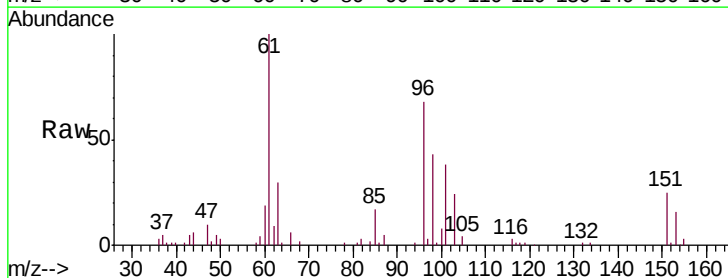


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

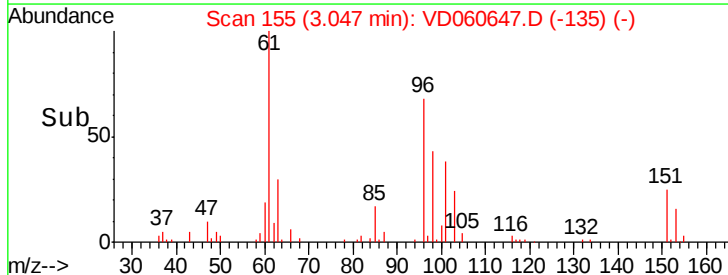
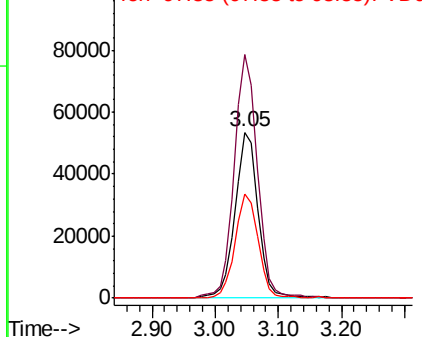


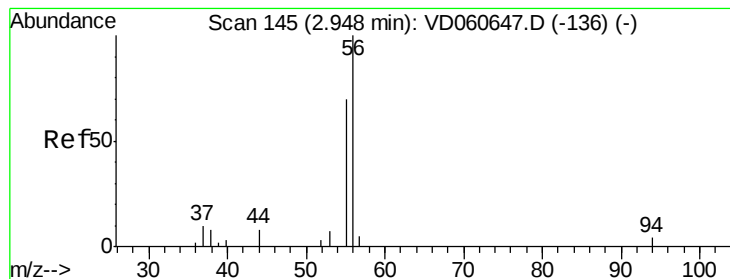
#12
1,1-Dichloroethene
Concen: 50.000 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 96 Resp: 134045
Ion Ratio Lower Upper
96 100
61 147.1 117.7 176.5
98 63.0 50.4 75.6



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





#13

Acrolein

Concen: 250.000 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

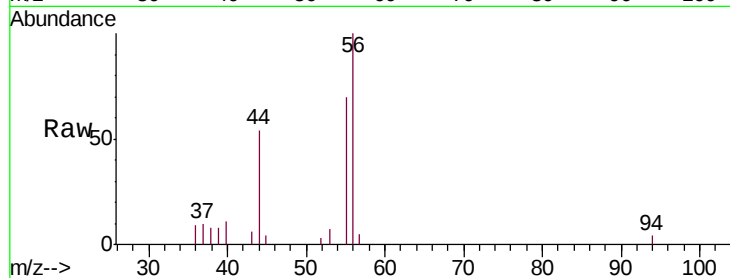
VSTDICCC050

Tgt Ion: 56 Resp: 28660

Ion Ratio Lower Upper

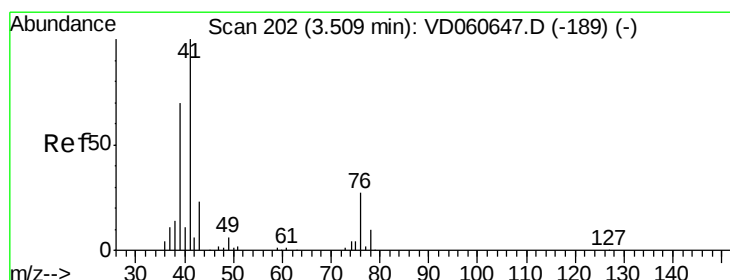
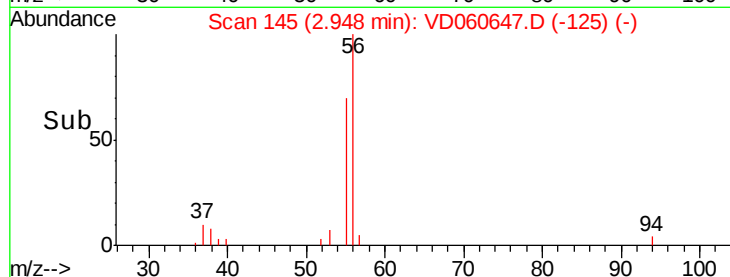
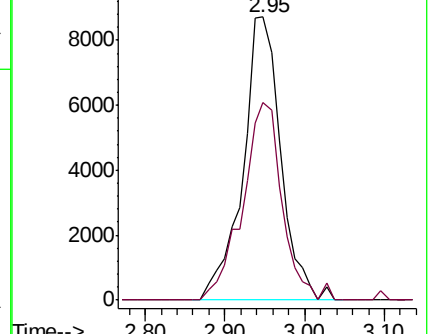
56 100

55 69.8 55.8 83.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

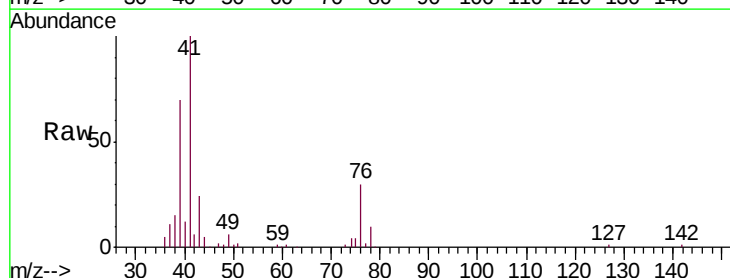
Tgt Ion: 41 Resp: 224886

Ion Ratio Lower Upper

41 100

39 69.6 55.7 83.5

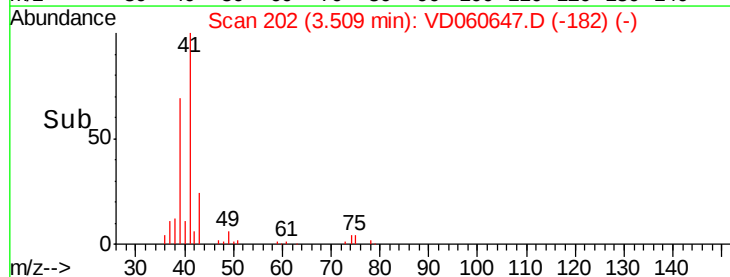
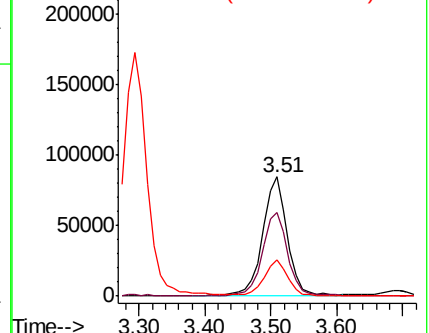
76 29.9 23.9 35.9

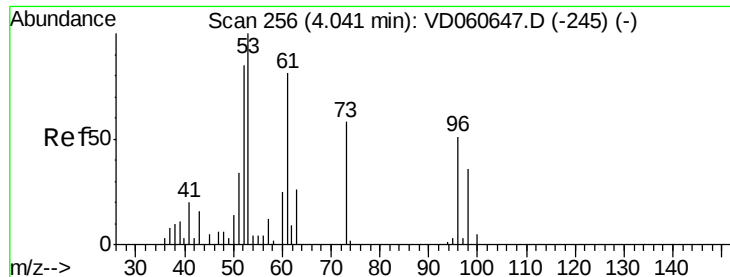


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.000 ug/l

RT: 4.04 min Scan# 256

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

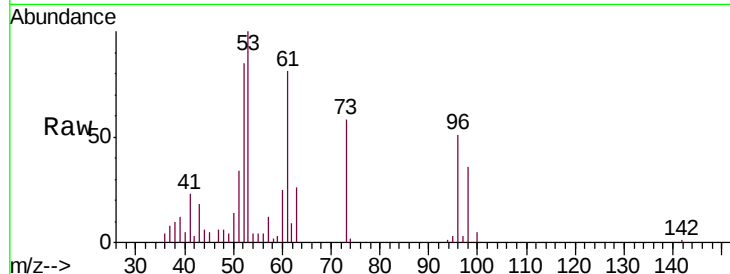
Tgt Ion: 53 Resp: 132422

Ion Ratio Lower Upper

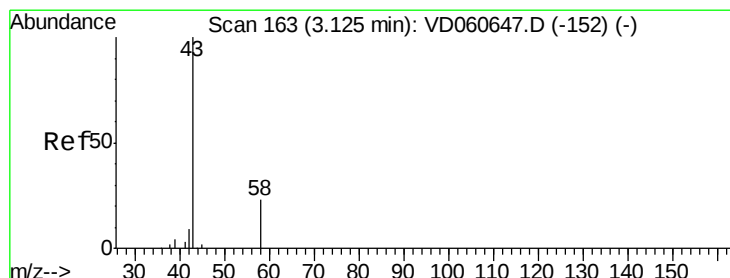
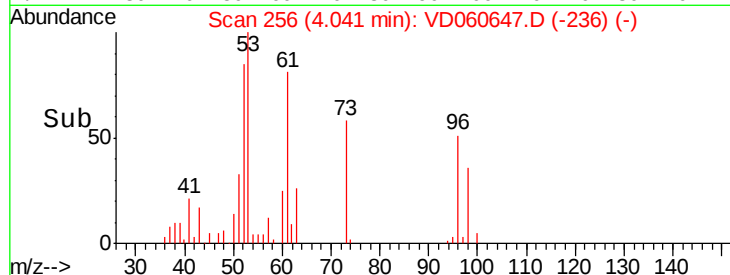
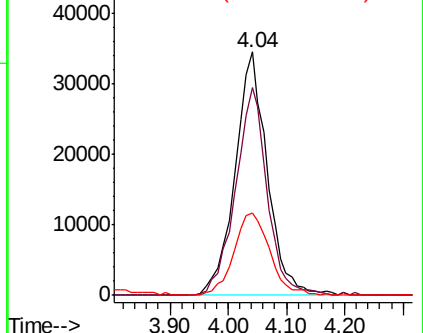
53 100

52 85.3 68.2 102.4

51 34.1 27.3 40.9



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: 250.000 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD060647.D

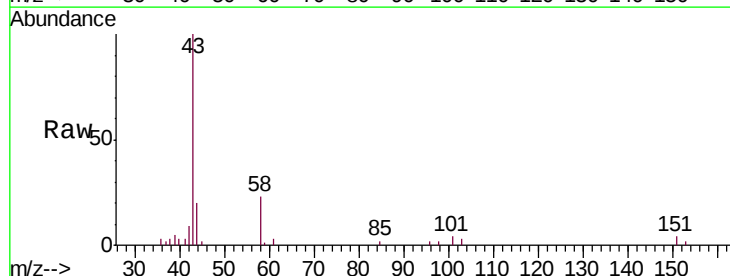
Acq: 19 Dec 2018 19:33

Tgt Ion: 43 Resp: 135904

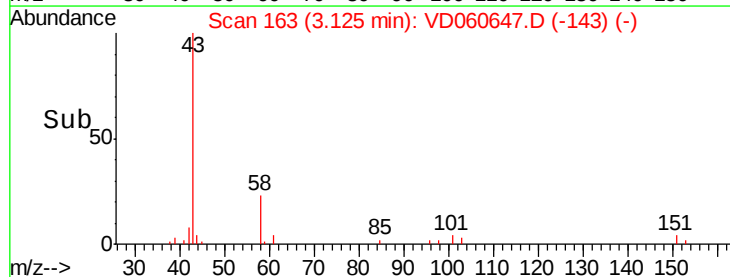
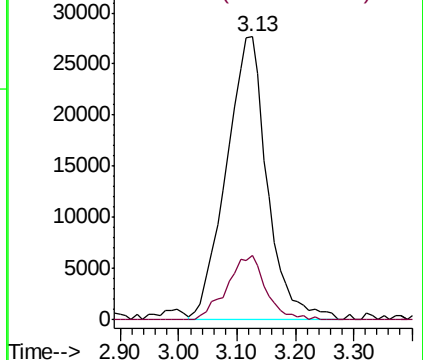
Ion Ratio Lower Upper

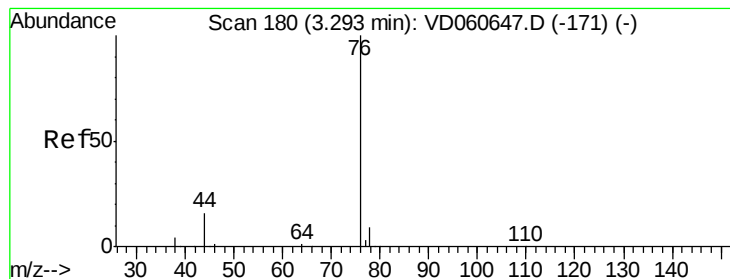
43 100

58 23.0 18.4 27.6



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





#17

Carbon Disulfide

Concen: 50.000 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

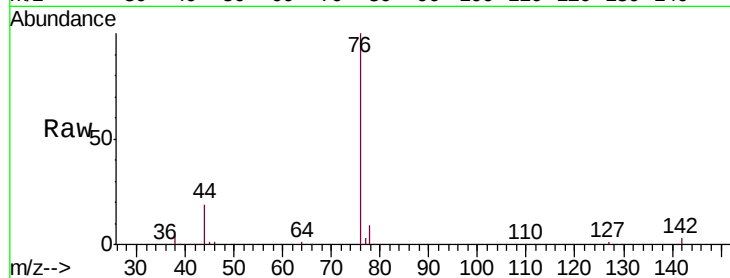
VSTDICCC050

Tgt Ion: 76 Resp: 440570

Ion Ratio Lower Upper

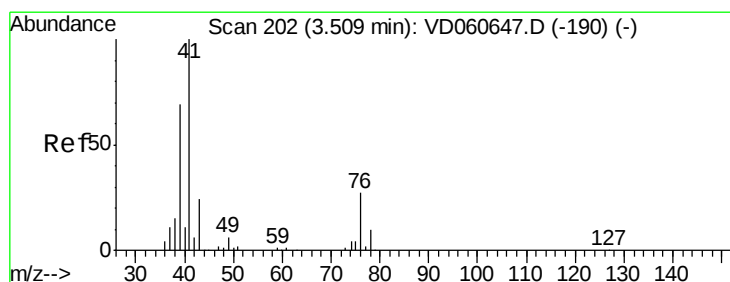
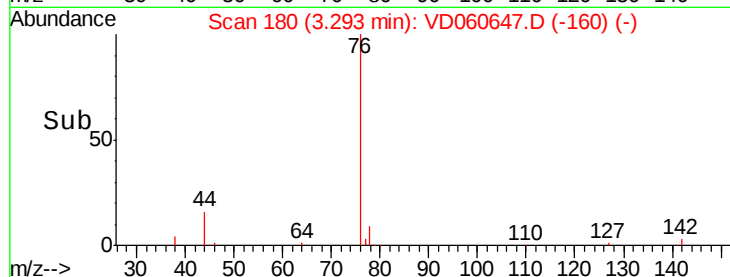
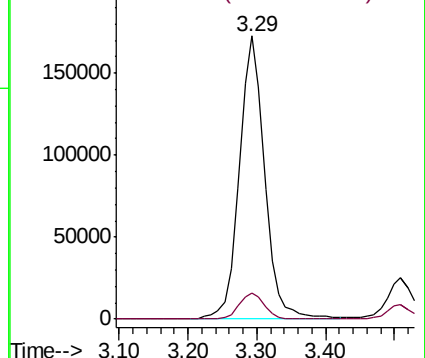
76 100

78 9.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.000 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060647.D

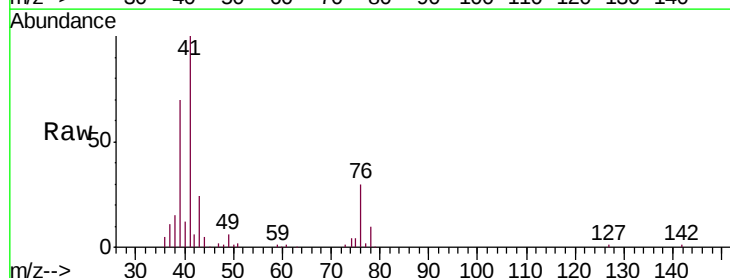
Acq: 19 Dec 2018 19:33

Tgt Ion: 43 Resp: 70714

Ion Ratio Lower Upper

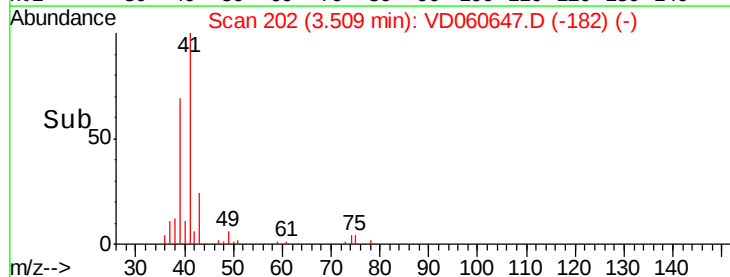
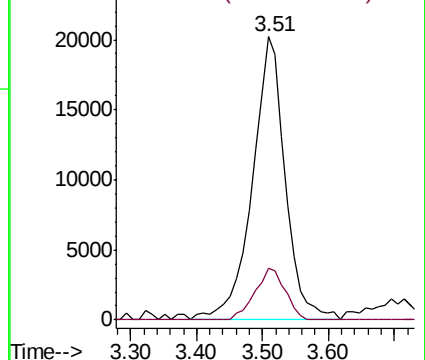
43 100

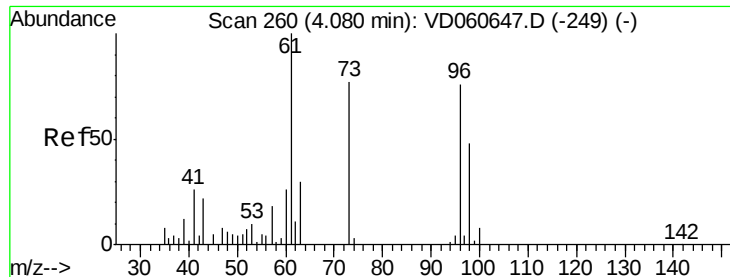
74 18.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

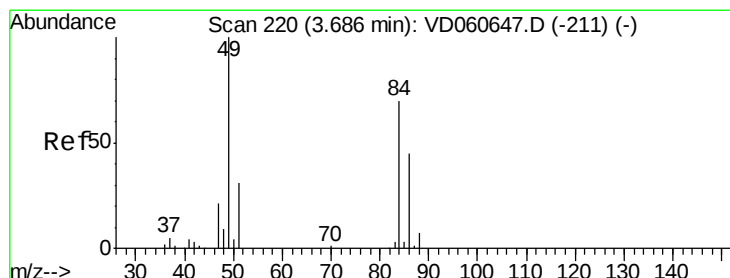
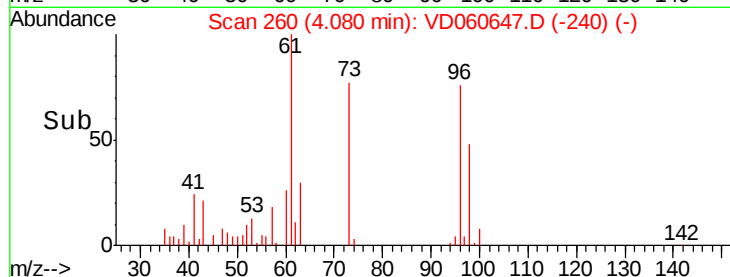
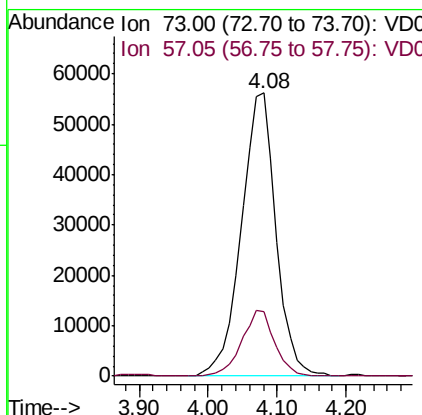
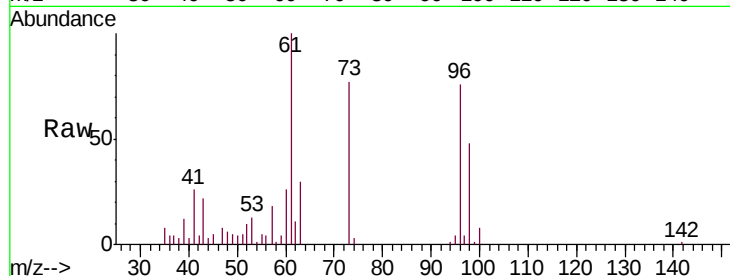




#19
Methyl tert-butyl Ether
Concen: 50.000 ug/l
RT: 4.08 min Scan# 260
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

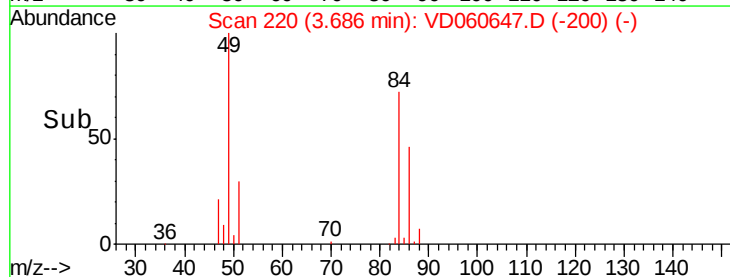
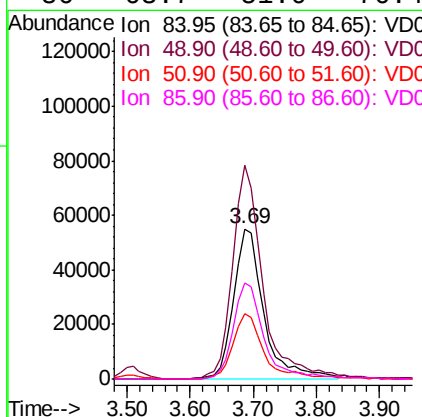
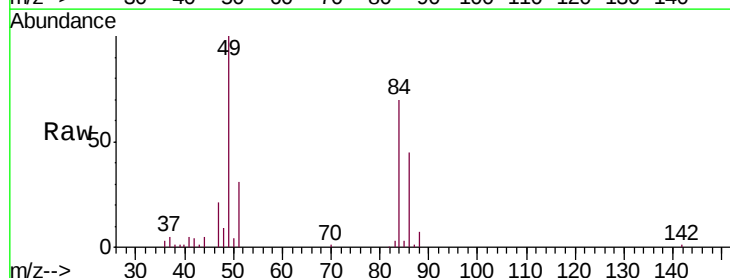
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

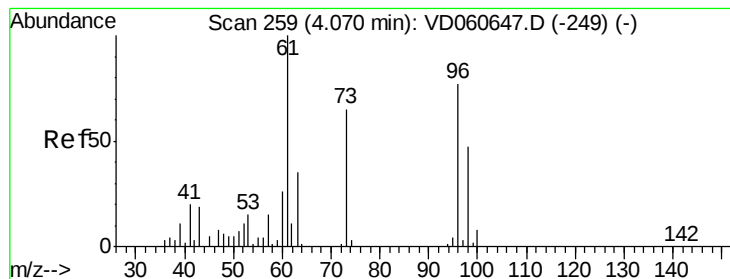
Tgt Ion: 73 Resp: 195433
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 84 Resp: 182312
Ion Ratio Lower Upper
84 100
49 142.4 113.9 170.9
51 43.5 34.8 52.2
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

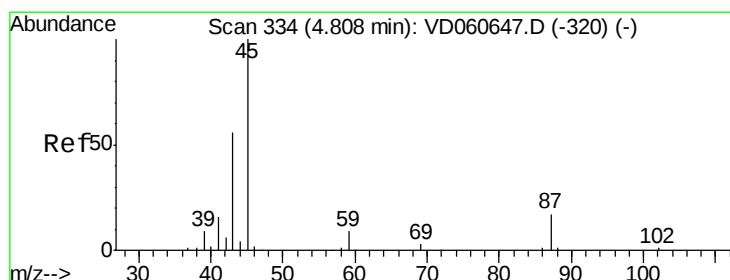
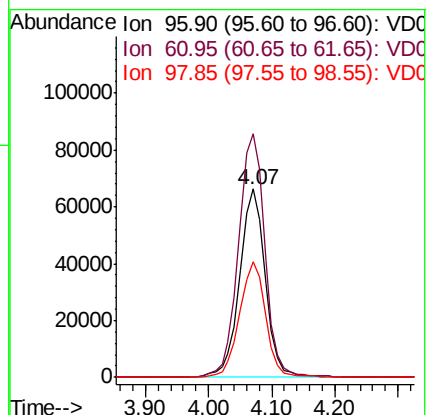
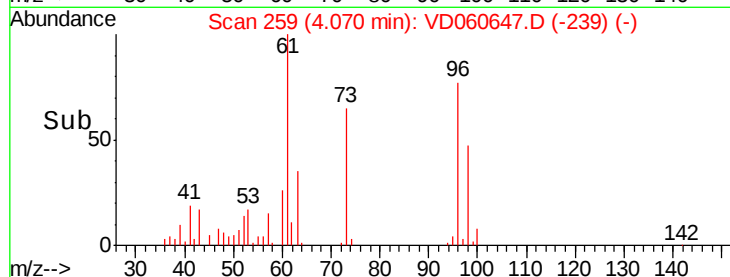
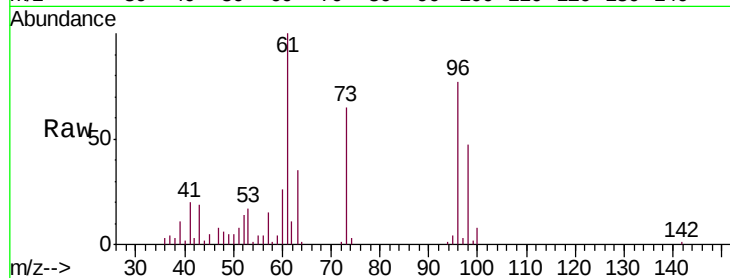
Tgt Ion: 96 Resp: 185580

Ion Ratio Lower Upper

96 100

61 129.4 103.5 155.3

98 61.2 49.0 73.4



#22

Diisopropyl ether

Concen: 50.000 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Tgt Ion: 45 Resp: 555731

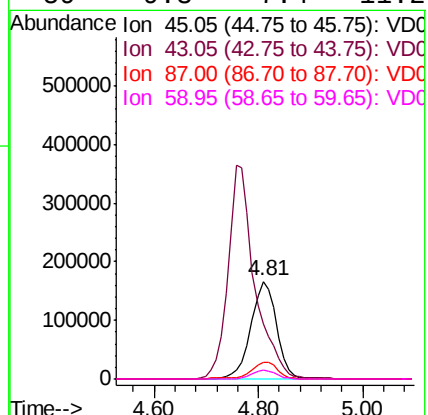
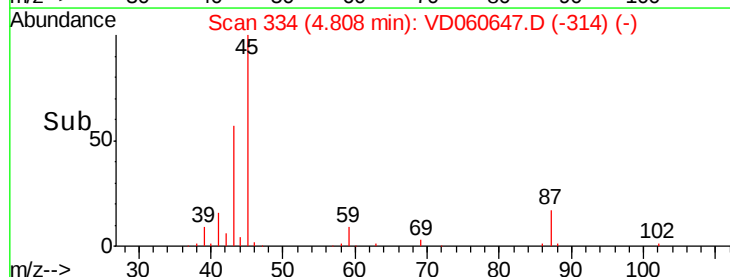
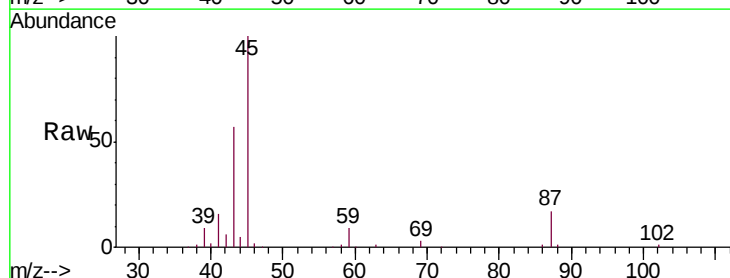
Ion Ratio Lower Upper

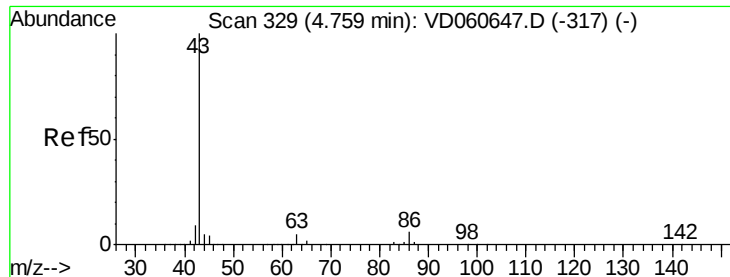
45 100

43 56.5 45.2 67.8

87 16.6 13.3 19.9

59 9.3 7.4 11.2





#23

Vinyl Acetate

Concen: 250.000 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

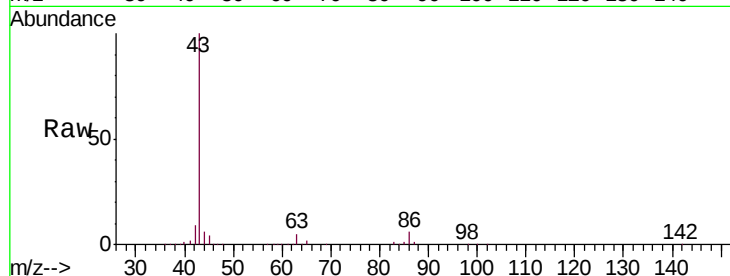
VSTDICCC050

Tgt Ion: 43 Resp: 1272831

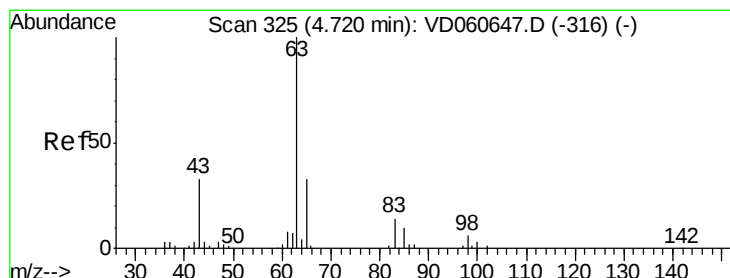
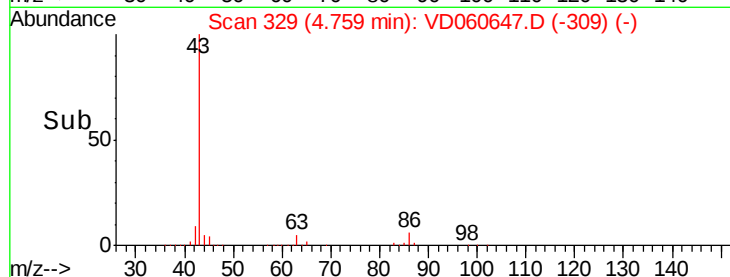
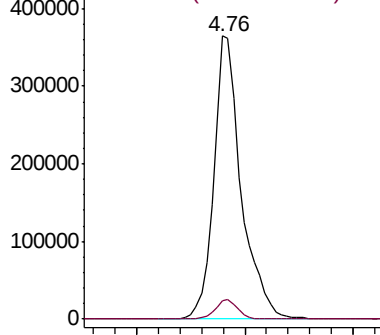
Ion Ratio Lower Upper

43 100

86 6.3 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.000 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

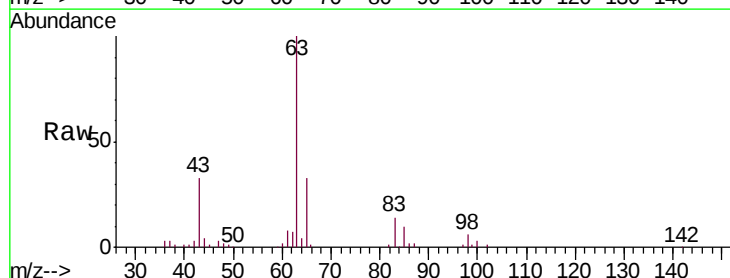
Tgt Ion: 63 Resp: 292707

Ion Ratio Lower Upper

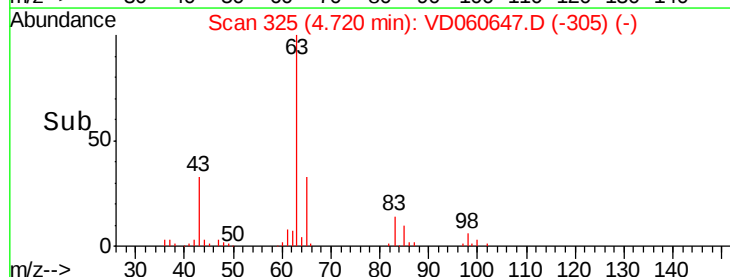
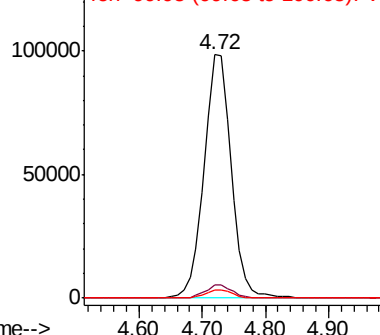
63 100

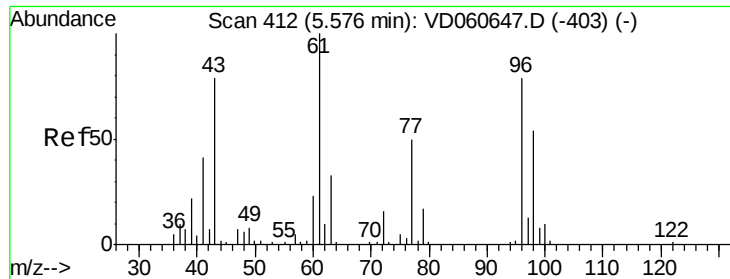
98 5.5 2.8 8.3

100 3.4 1.7 5.1



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

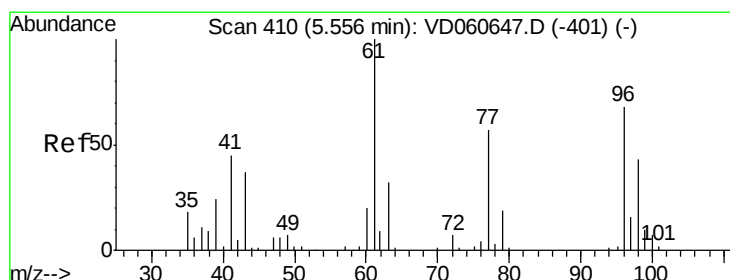
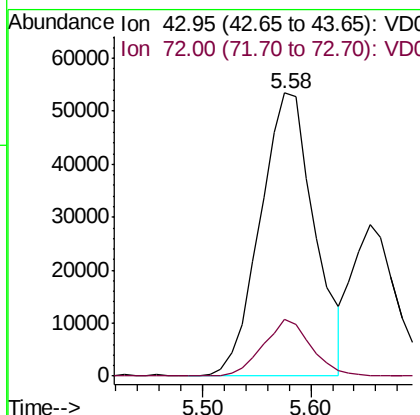
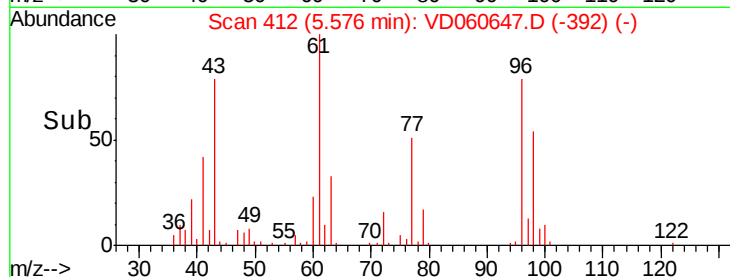
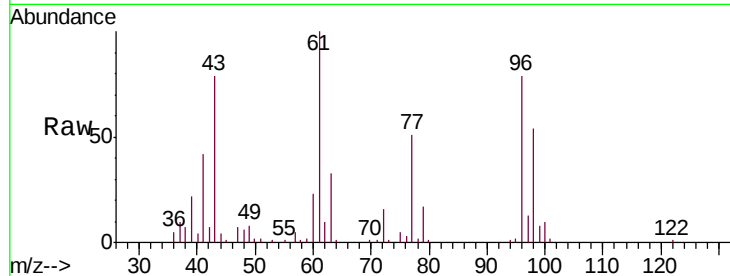




#25
2-Butanone
Concen: 250.000 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

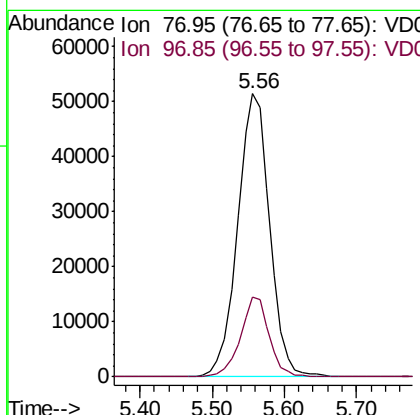
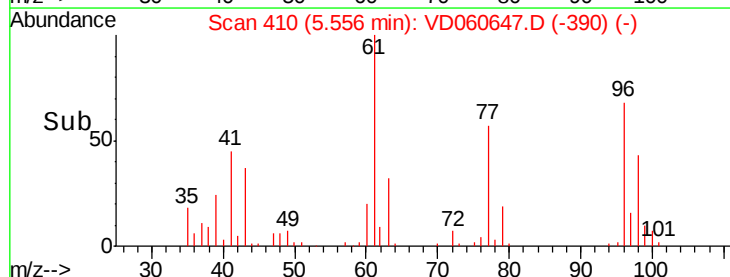
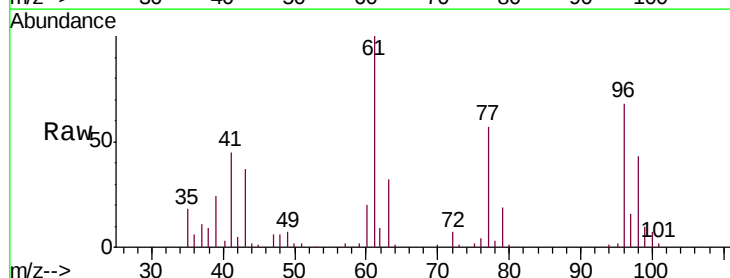
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

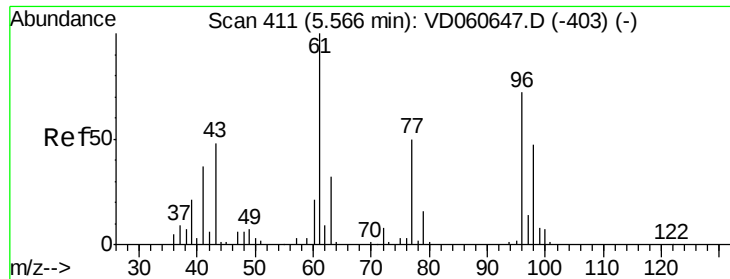
Tgt Ion: 43 Resp: 186913
Ion Ratio Lower Upper
43 100
72 20.0 16.0 24.0



#26
2,2-Dichloropropane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 410
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 77 Resp: 158914
Ion Ratio Lower Upper
77 100
97 28.3 14.1 42.4



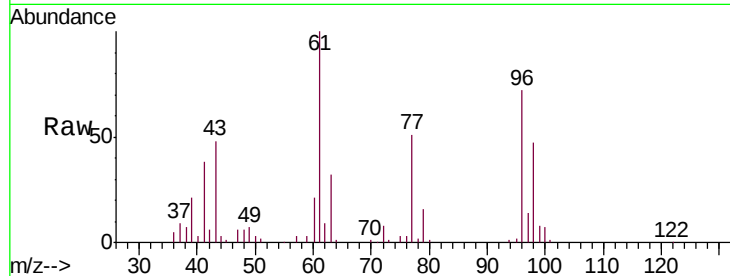


#27

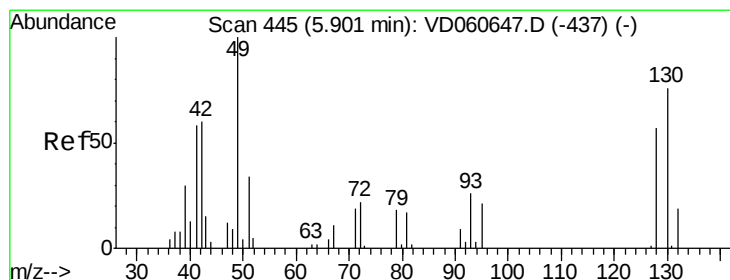
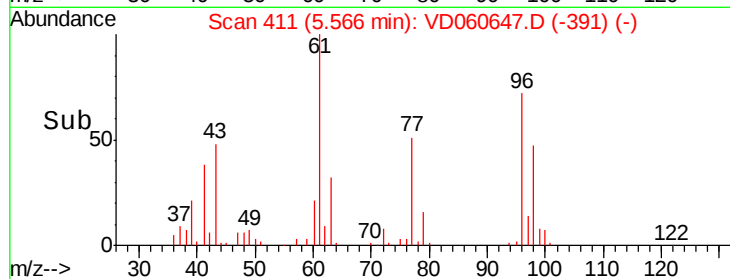
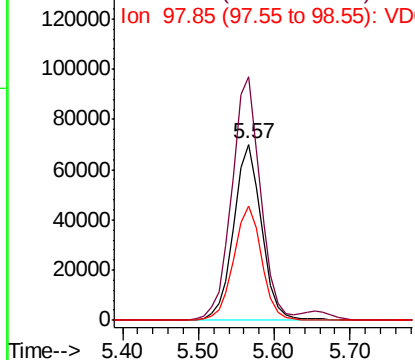
cis-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 178744
Ion Ratio Lower Upper
96 100
61 138.2 0.0 276.4
98 64.7 0.0 129.4



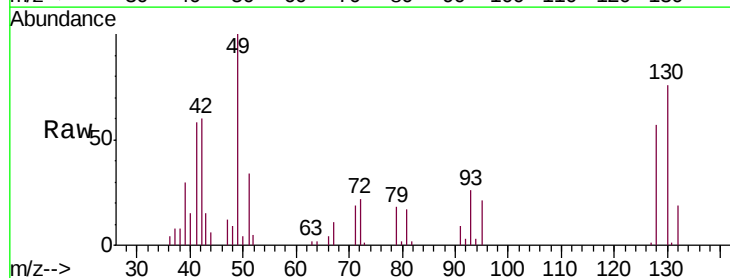
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



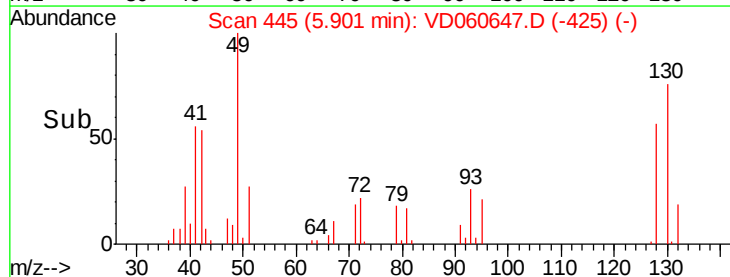
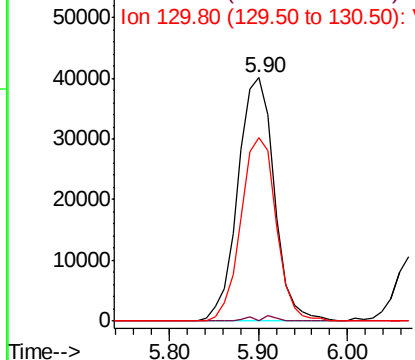
#28

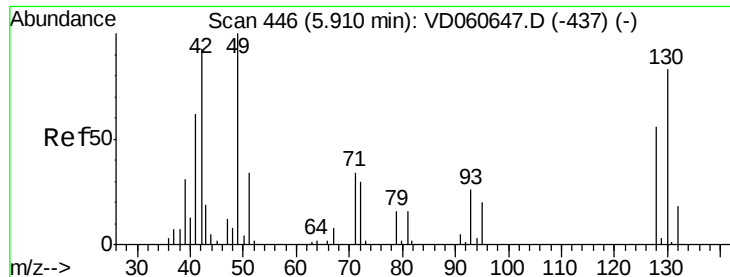
Bromochloromethane
Concen: 50.000 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 49 Resp: 113105
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 75.5 60.4 90.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 250.000 ug/l

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

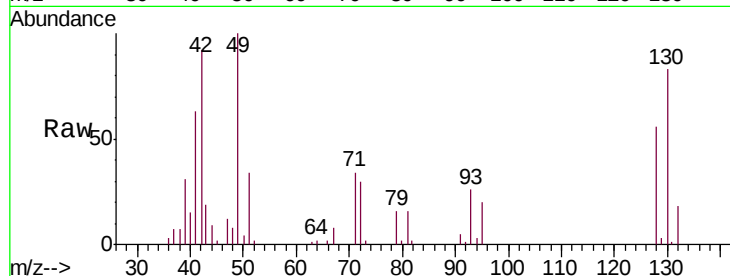
Tgt Ion: 42 Resp: 101346

Ion Ratio Lower Upper

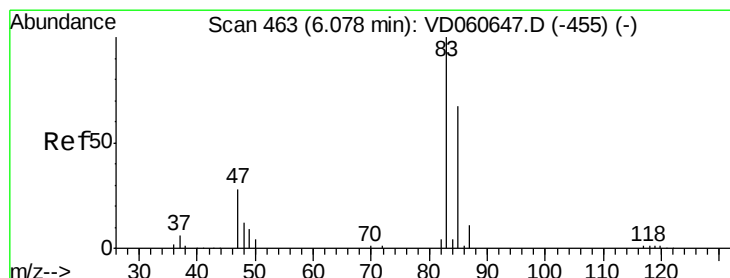
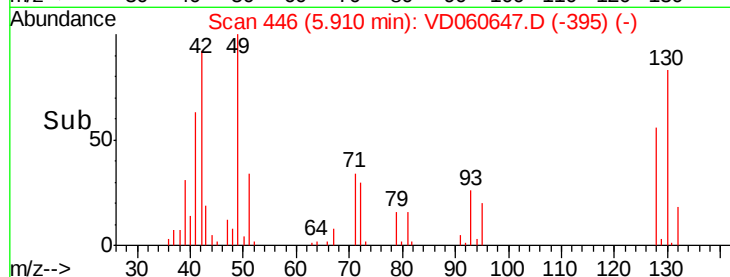
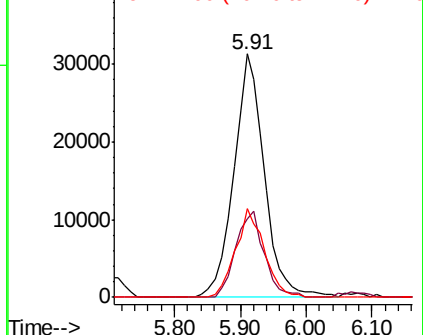
42 100

72 33.1 26.5 39.7

71 34.2 27.4 41.0



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



#30

Chloroform

Concen: 50.000 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD060647.D

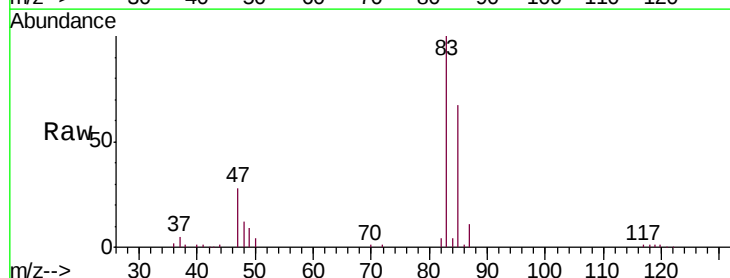
Acq: 19 Dec 2018 19:33

Tgt Ion: 83 Resp: 295364

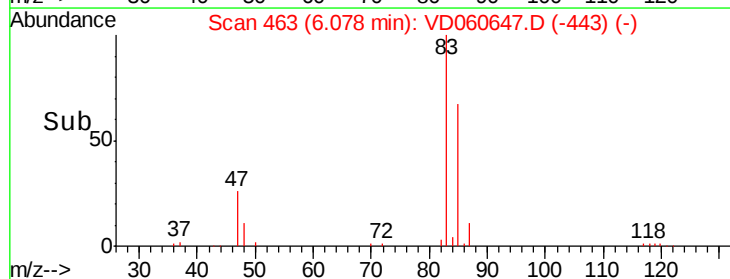
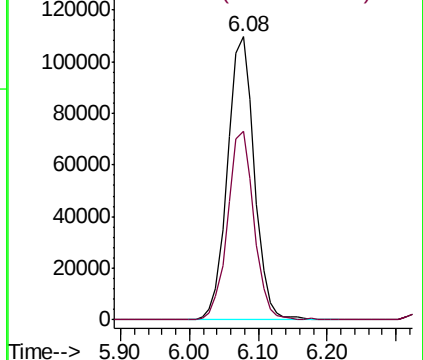
Ion Ratio Lower Upper

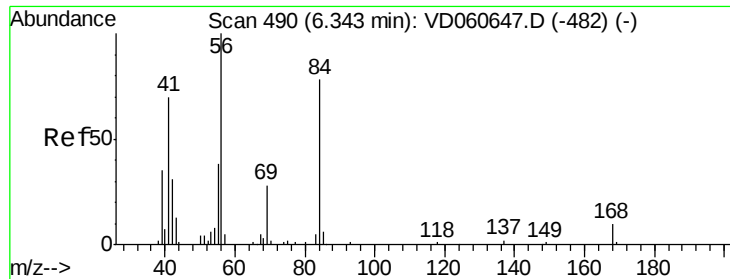
83 100

85 66.8 53.4 80.2



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





#31

Cyclohexane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.00 min

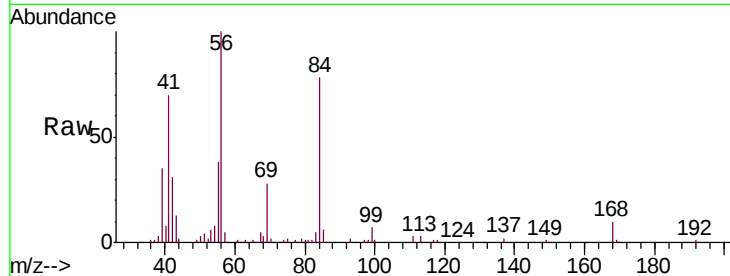
Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

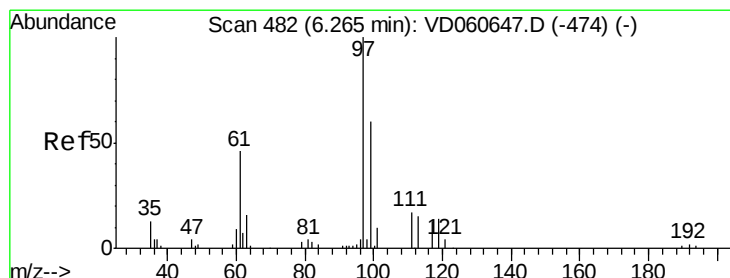
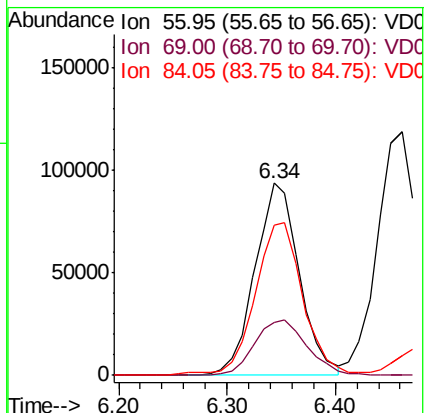
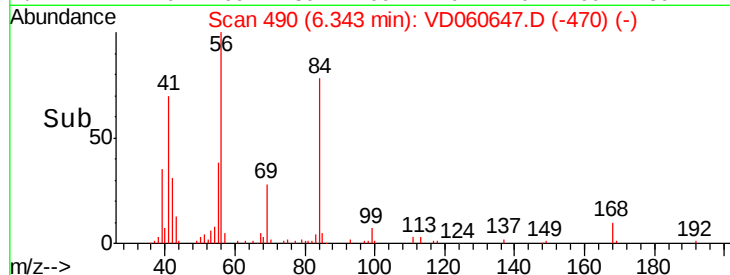
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 266115

Ion	Ratio	Lower	Upper
56	100		
69	27.7	22.2	33.2
84	78.0	62.4	93.6



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: 50.000 ug/l

RT: 6.26 min Scan# 482

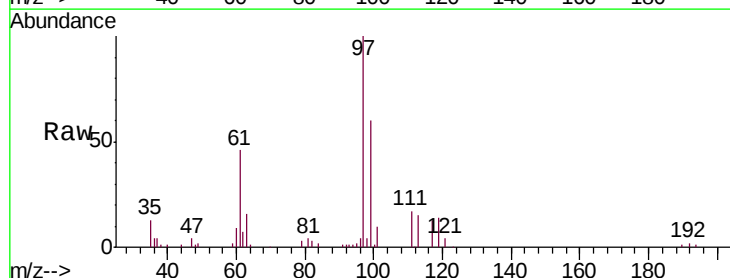
Delta R.T. 0.00 min

Lab File: VD060647.D

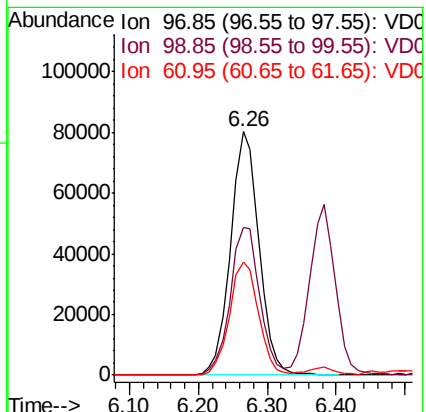
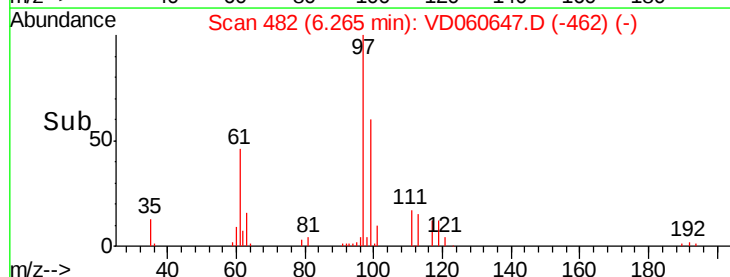
Acq: 19 Dec 2018 19:33

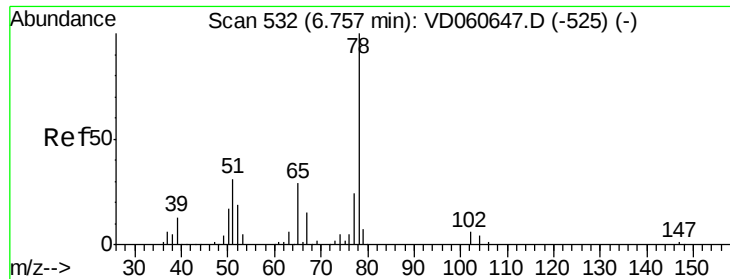
Tgt Ion: 97 Resp: 228570

Ion	Ratio	Lower	Upper
97	100		
99	60.4	48.3	72.5
61	46.2	37.0	55.4



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: 50.000 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

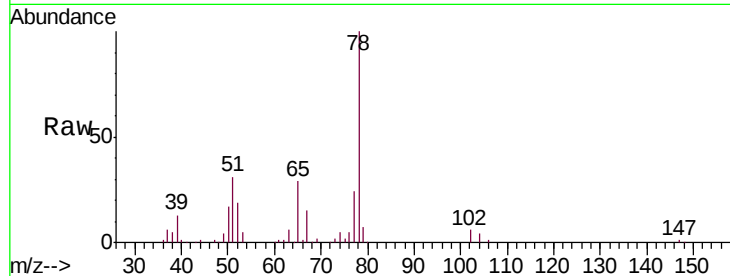
VSTDICCC050

Tgt Ion: 65 Resp: 115792

Ion Ratio Lower Upper

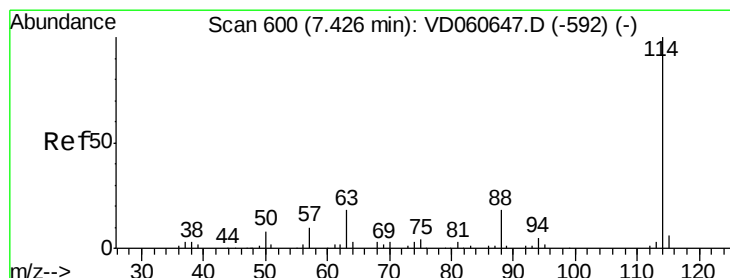
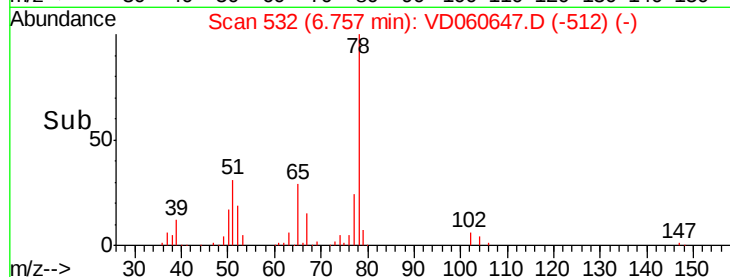
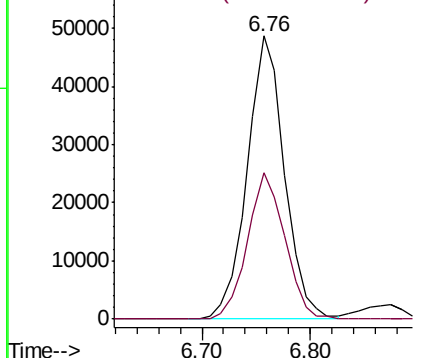
65 100

67 51.8 0.0 103.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

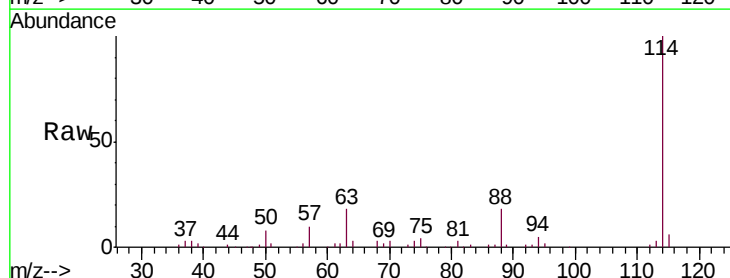
Tgt Ion: 114 Resp: 427750

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

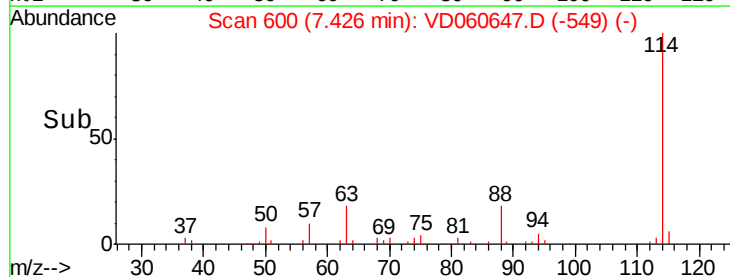
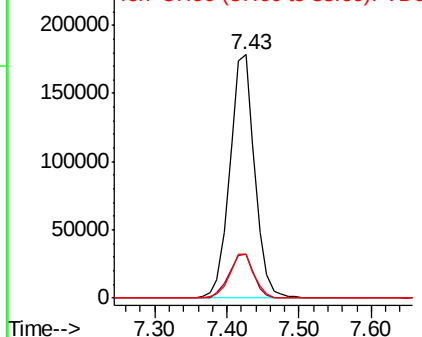
88 18.0 0.0 36.0

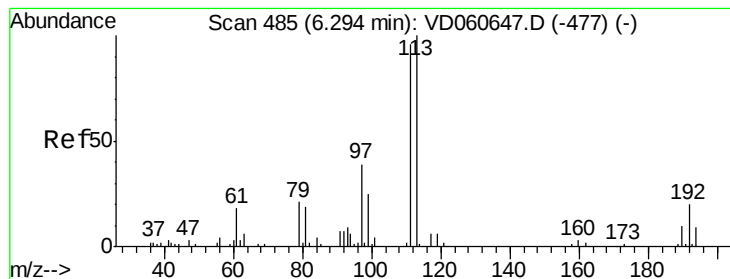


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

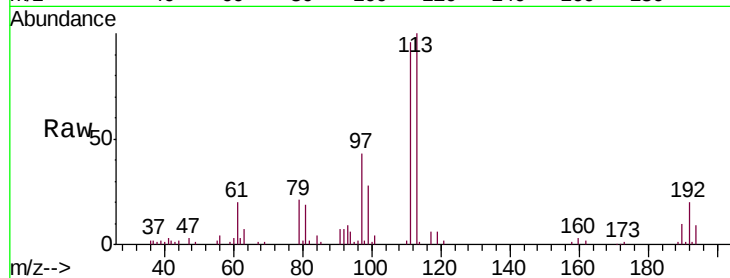
Tgt Ion: 113 Resp: 159671

Ion Ratio Lower Upper

113 100

111 96.3 77.0 115.6

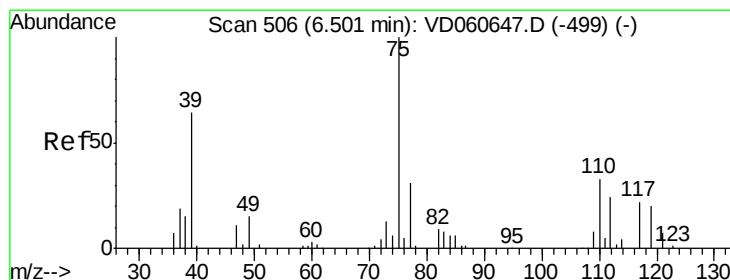
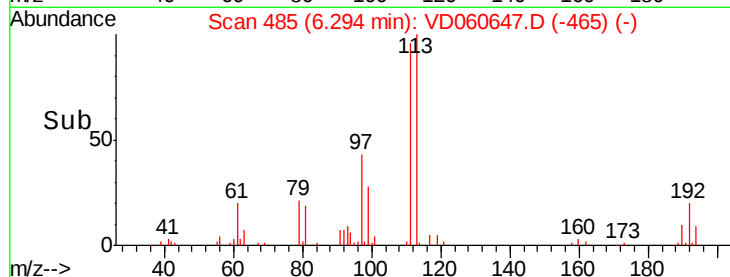
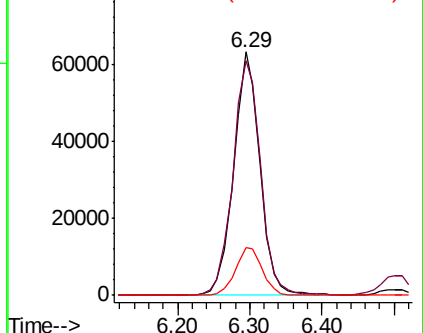
192 19.7 15.8 23.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.000 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

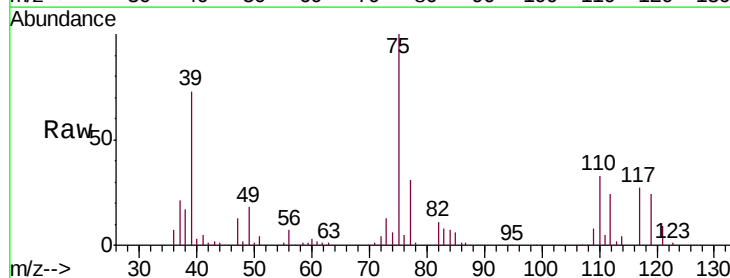
Tgt Ion: 75 Resp: 241251

Ion Ratio Lower Upper

75 100

110 32.8 16.4 49.2

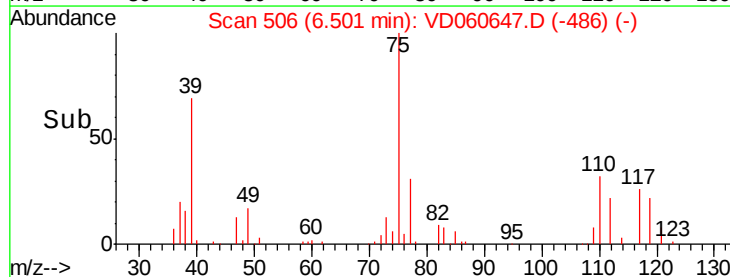
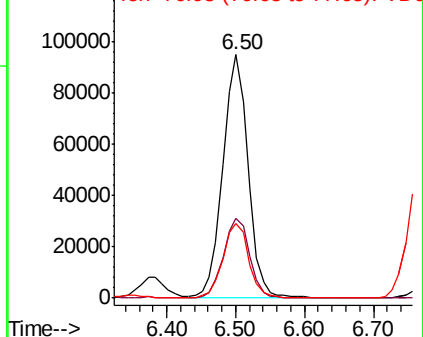
77 30.9 24.7 37.1

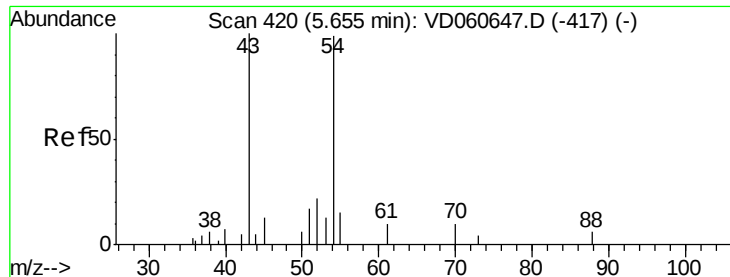


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

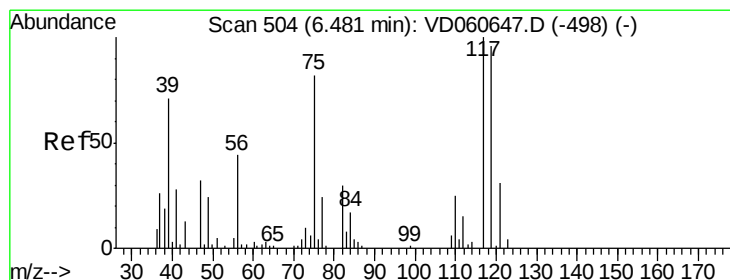
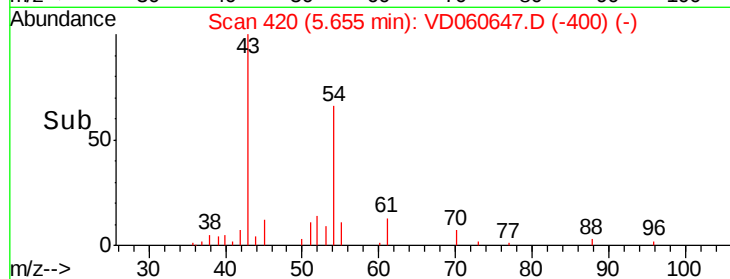
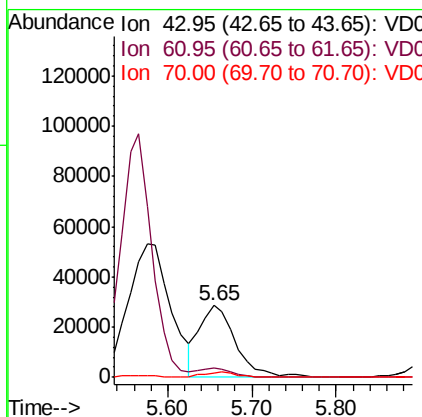
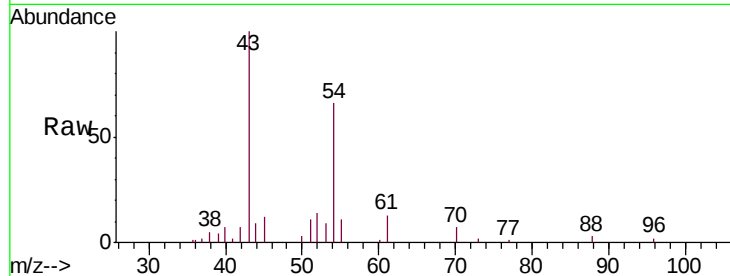




#37
Ethyl Acetate
Concen: 50.000 ug/l
RT: 5.65 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

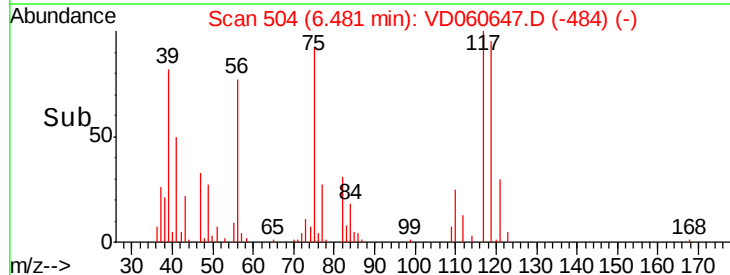
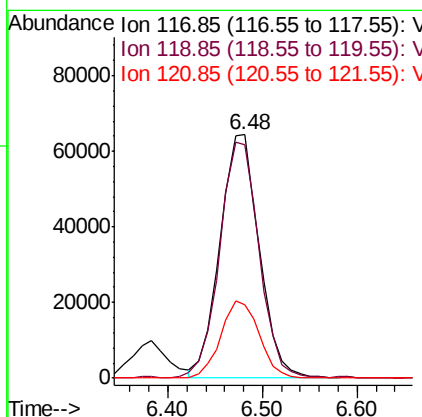
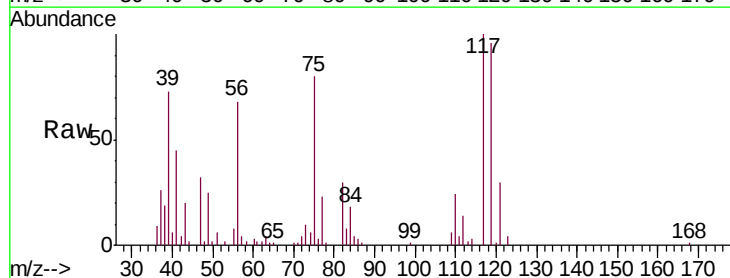
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

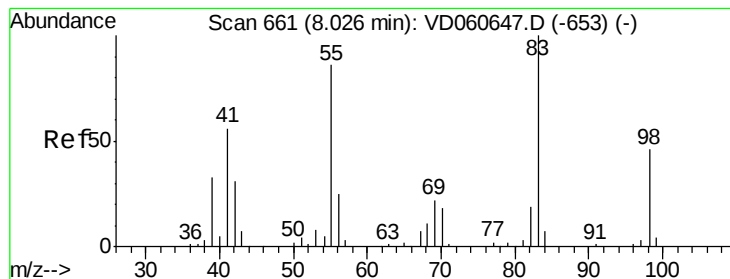
Tgt Ion: 43 Resp: 82959
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 6.8 5.4 8.2



#38
Carbon Tetrachloride
Concen: 50.000 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 117 Resp: 185175
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0
121 29.9 23.9 35.9





#39

Methylcyclohexane

Concen: 50.000 ug/l

RT: 8.03 min Scan# 661

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

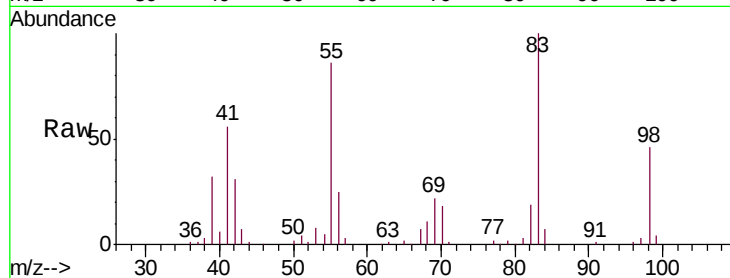
Tgt Ion: 83 Resp: 254973

Ion Ratio Lower Upper

83 100

55 86.3 69.0 103.6

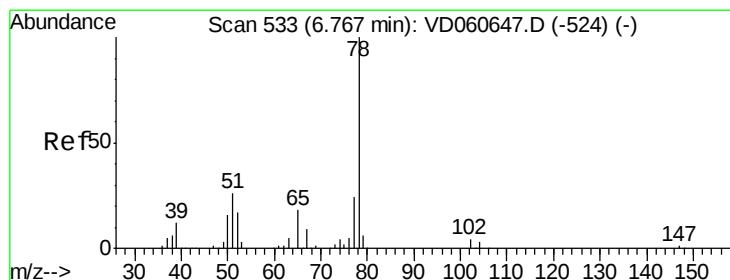
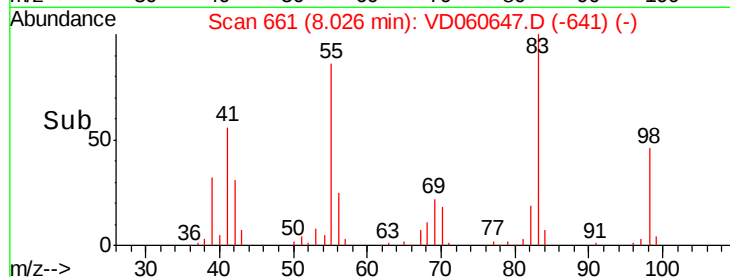
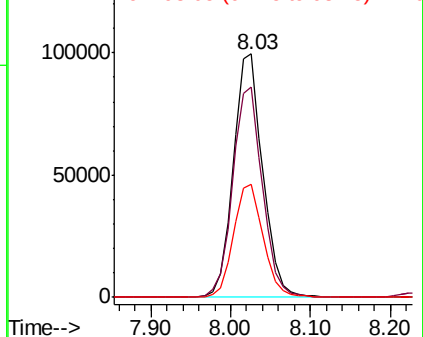
98 46.2 37.0 55.4



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: 50.000 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060647.D

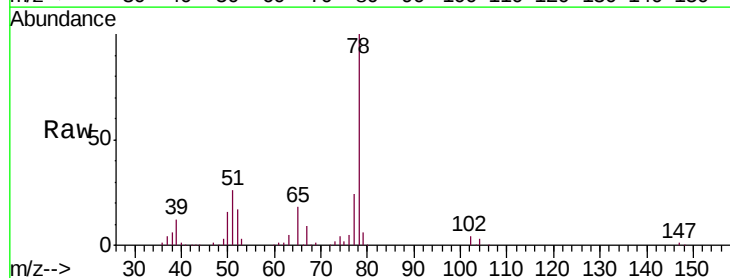
Acq: 19 Dec 2018 19:33

Tgt Ion: 78 Resp: 600734

Ion Ratio Lower Upper

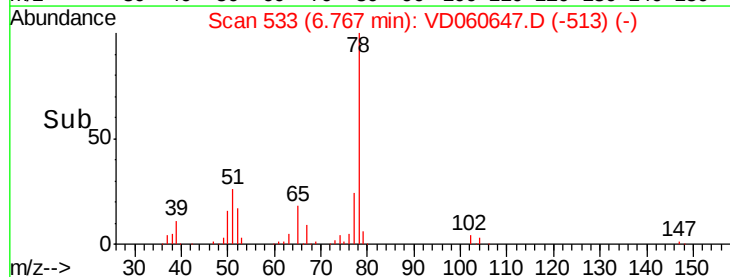
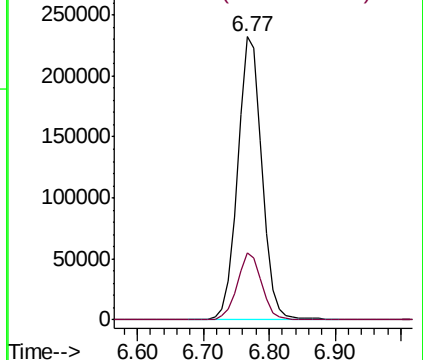
78 100

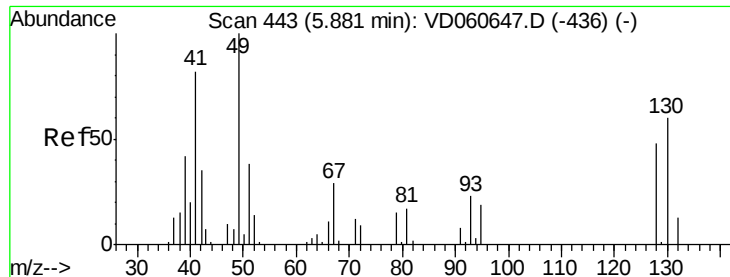
77 23.8 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 107.321 ug/l

RT: 5.90 min Scan# 445

Delta R.T. 0.02 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 105990

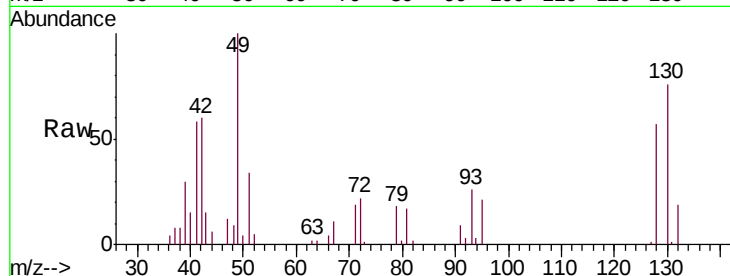
Ion Ratio Lower Upper

41 100

39 51.3 41.0 61.6

67 19.2 28.2 42.4#

52 8.3 13.4 20.0#

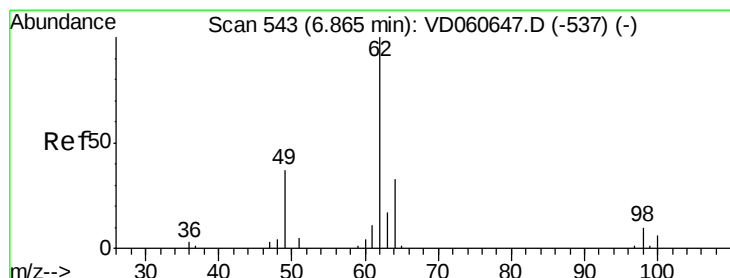
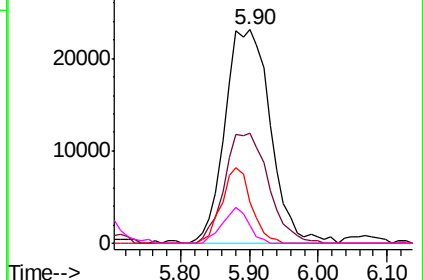
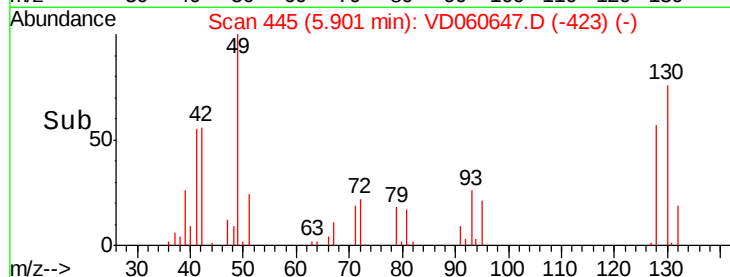


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.000 ug/l

RT: 6.86 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060647.D

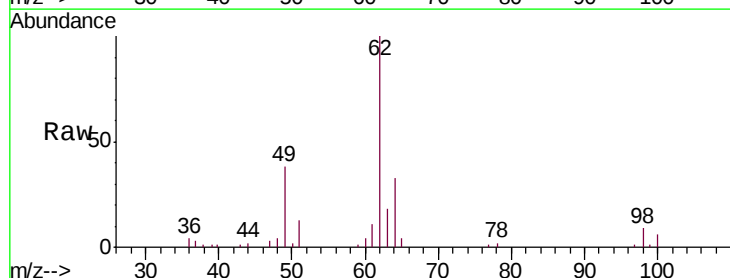
Acq: 19 Dec 2018 19:33

Tgt Ion: 62 Resp: 149333

Ion Ratio Lower Upper

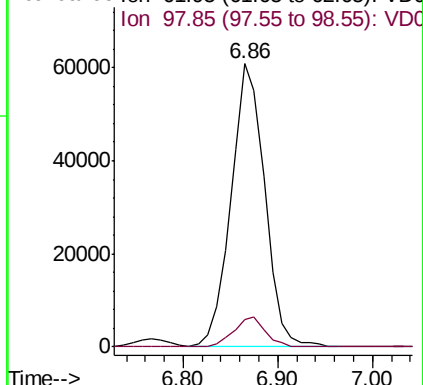
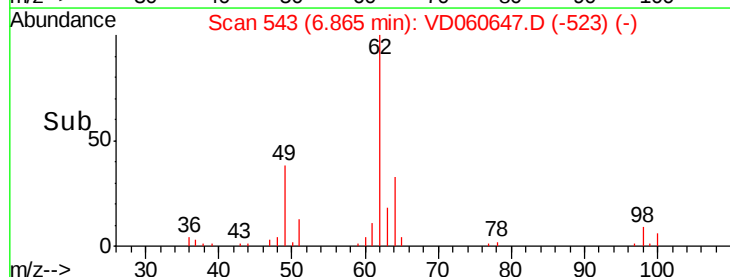
62 100

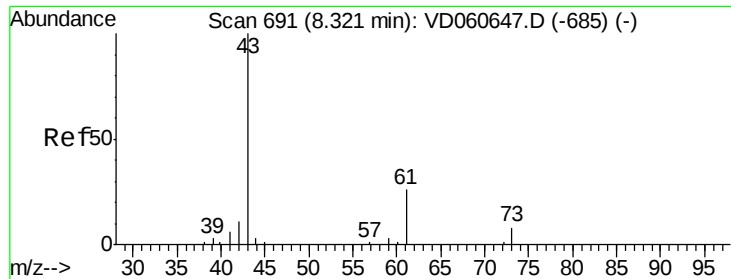
98 9.5 0.0 19.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 50.000 ug/l

RT: 8.32 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

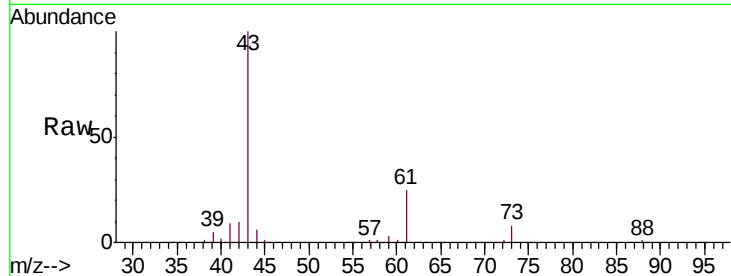
Tgt Ion: 43 Resp: 109611

Ion Ratio Lower Upper

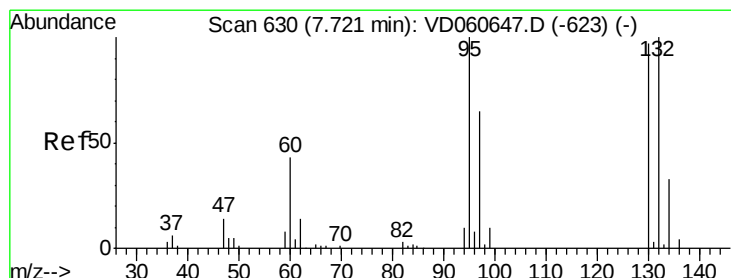
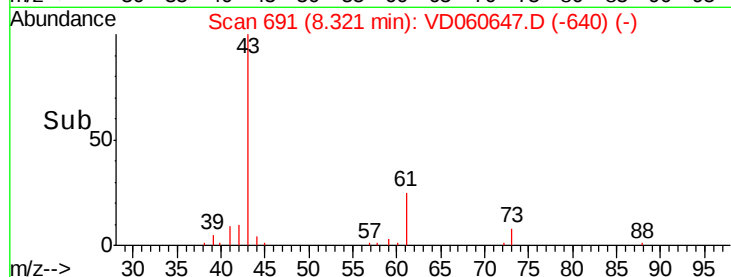
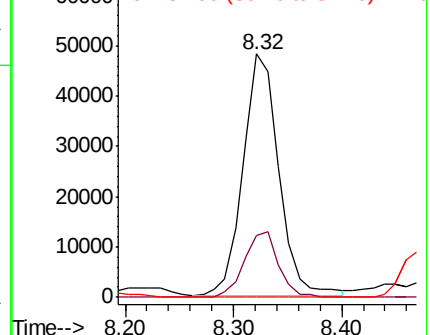
43 100

61 25.5 20.4 30.6

87 0.0 0.0 0.0



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: 50.000 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060647.D

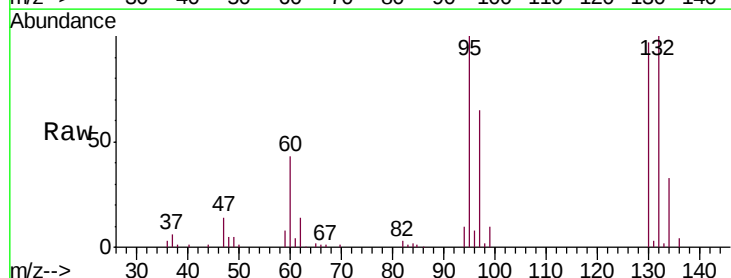
Acq: 19 Dec 2018 19:33

Tgt Ion:130 Resp: 176100

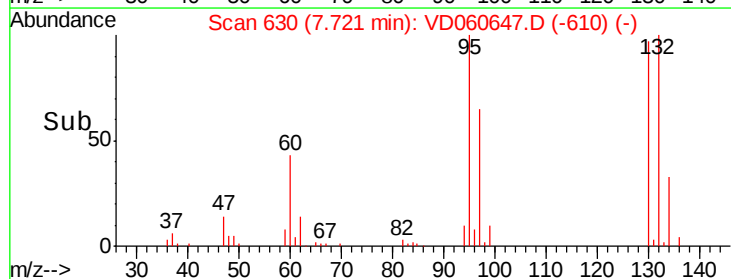
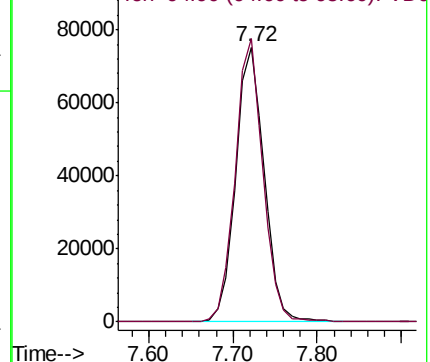
Ion Ratio Lower Upper

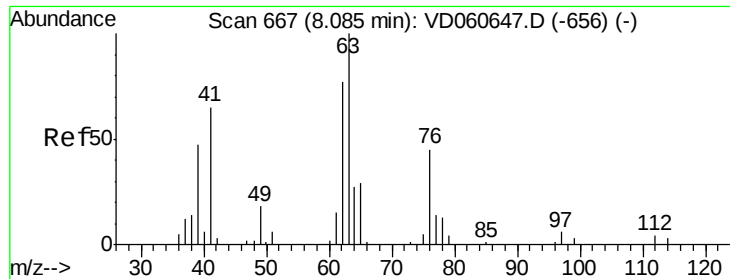
130 100

95 103.1 0.0 206.2



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

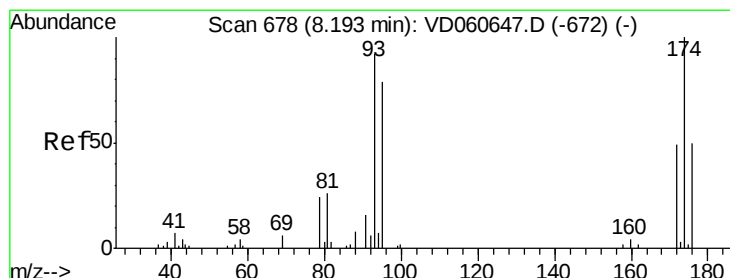
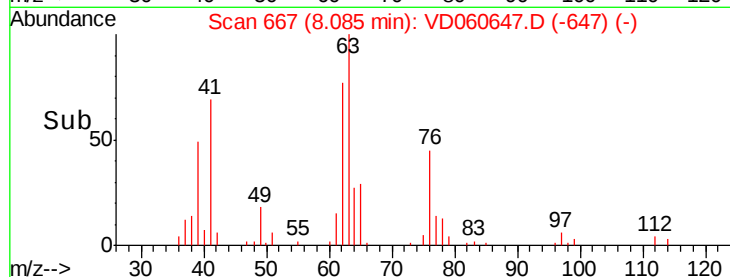
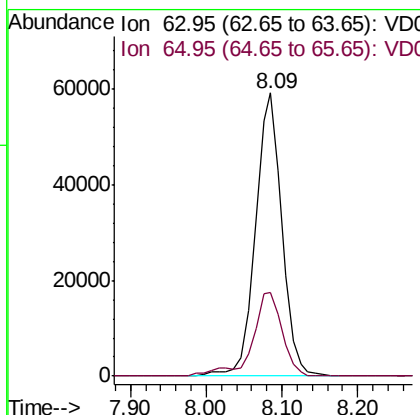
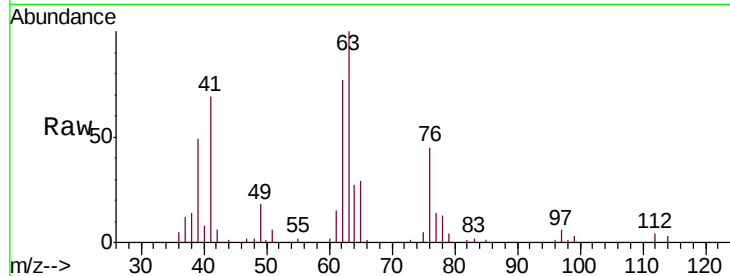




#45
 1,2-Dichloropropane
 Concen: 50.000 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

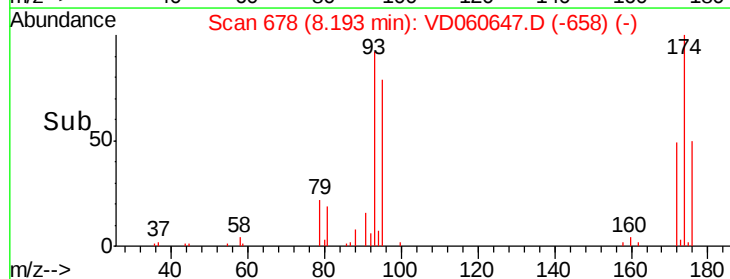
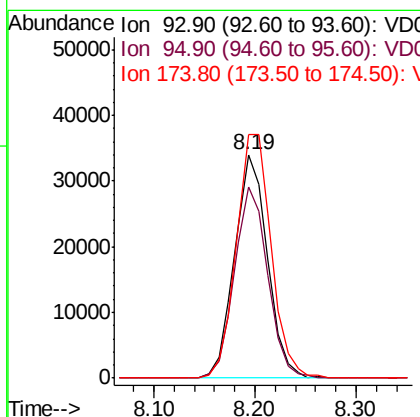
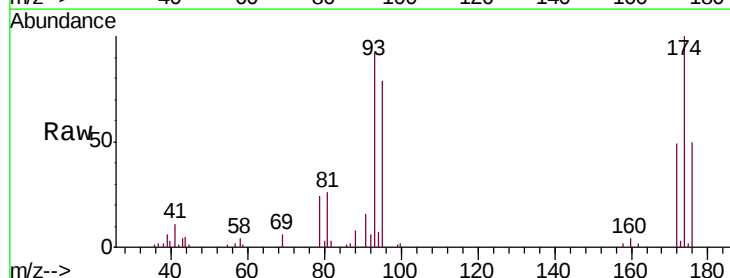
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

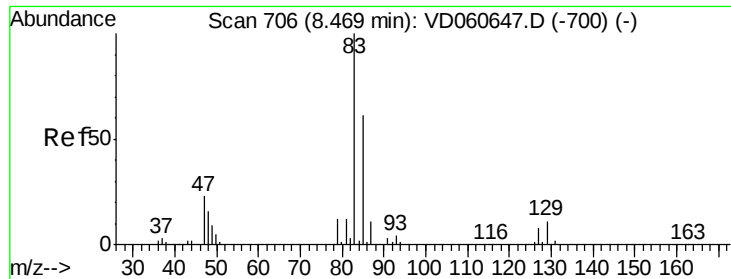
Tgt Ion: 63 Resp: 144269
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.5 35.3



#46
 Dibromomethane
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion: 93 Resp: 76933
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.4 102.6
 174 108.9 87.1 130.7





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

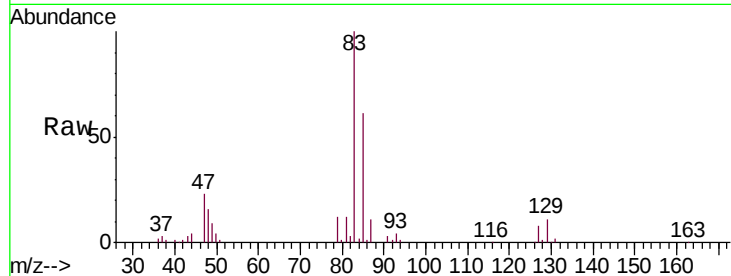
Tgt Ion: 83 Resp: 193174

Ion Ratio Lower Upper

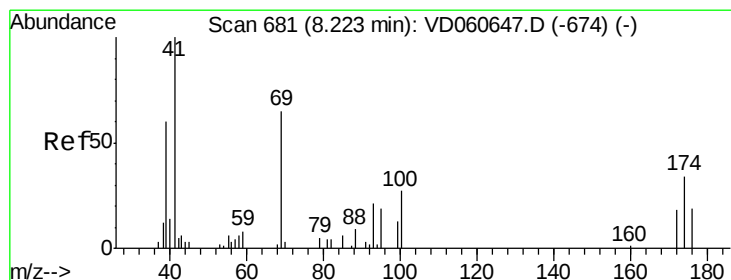
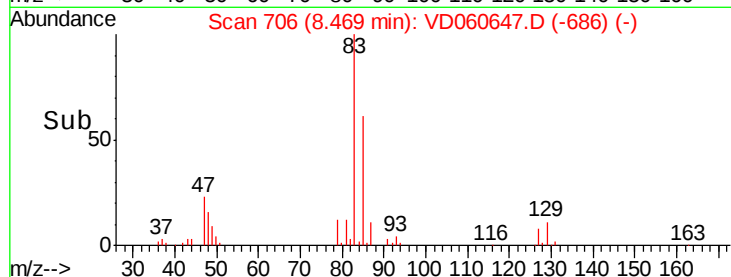
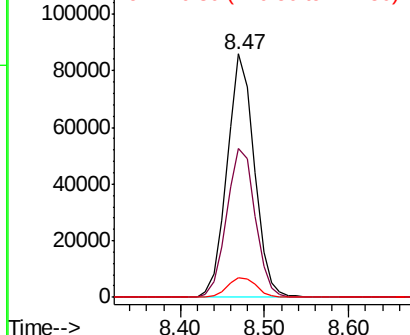
83 100

85 61.1 48.9 73.3

127 8.0 6.4 9.6



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: 50.000 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

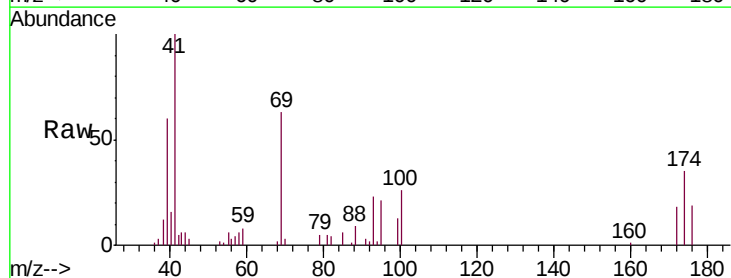
Tgt Ion: 41 Resp: 65768

Ion Ratio Lower Upper

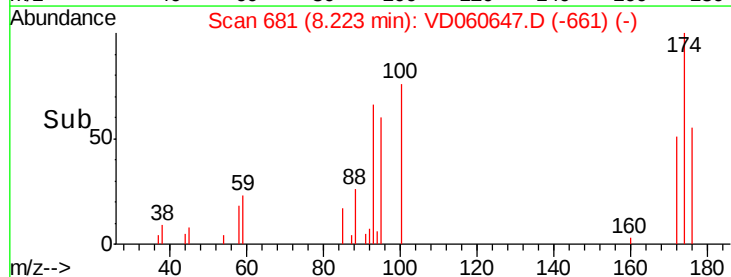
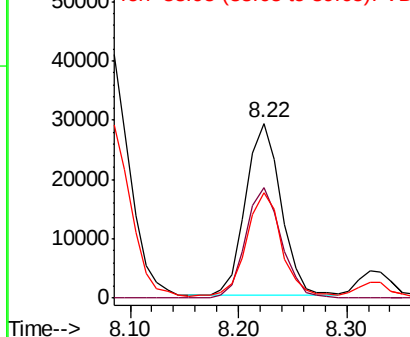
41 100

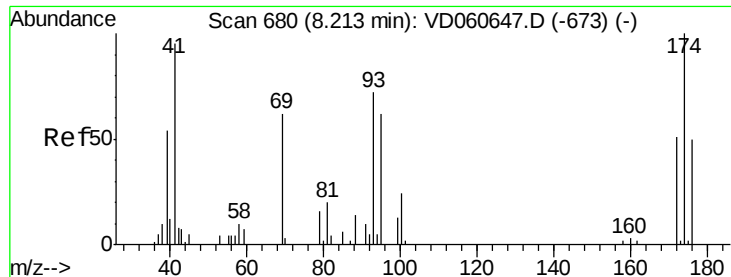
69 63.3 50.6 76.0

39 60.3 48.2 72.4



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

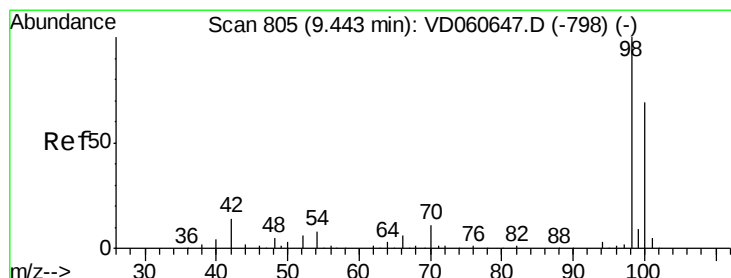
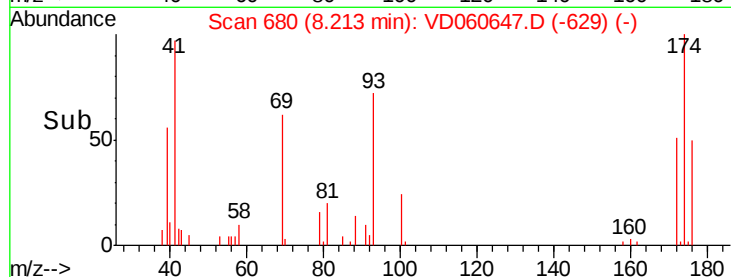
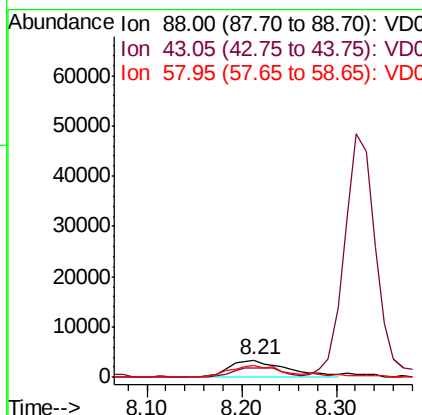
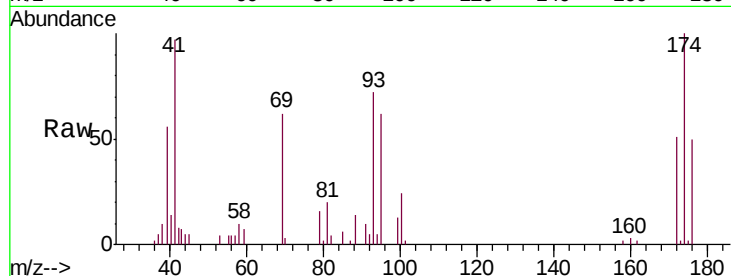




#49
 1,4-Dioxane
 Concen: 1000.000 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

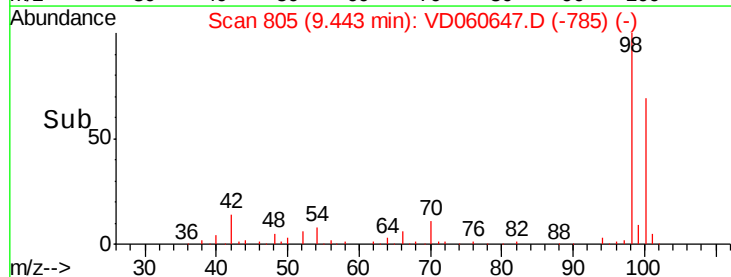
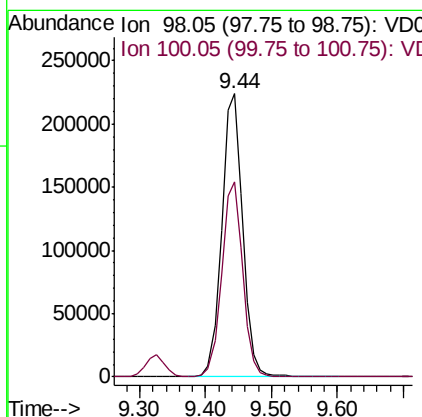
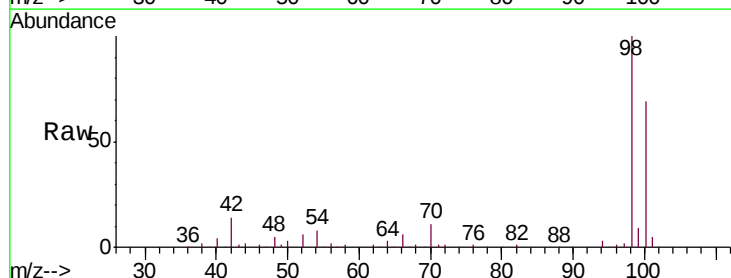
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

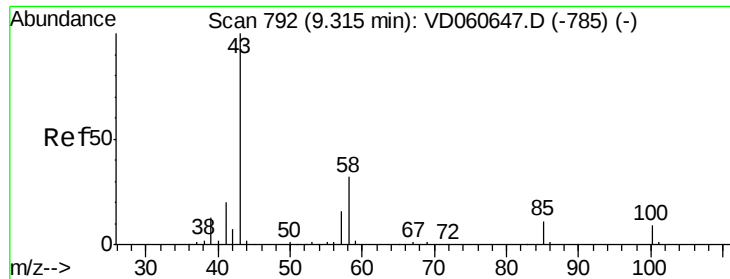
Tgt Ion: 88 Resp: 14186
 Ion Ratio Lower Upper
 88 100
 43 51.6 41.3 61.9
 58 70.7 56.6 84.8



#50
 Toluene-d8
 Concen: 1000.000 ug/l
 RT: 9.44 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion: 98 Resp: 495269
 Ion Ratio Lower Upper
 98 100
 100 68.9 55.1 82.7





#51

4-Methyl-2-Pentanone

Concen: 250.000 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

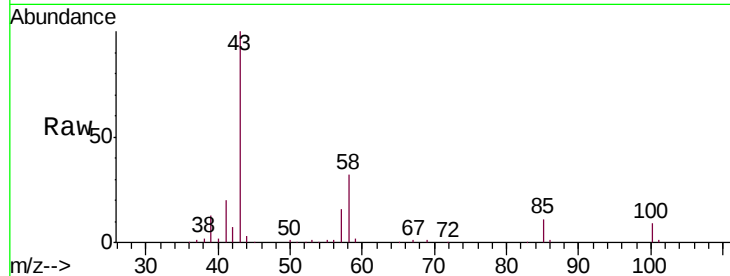
VSTDICCC050

Tgt Ion: 43 Resp: 366749

Ion Ratio Lower Upper

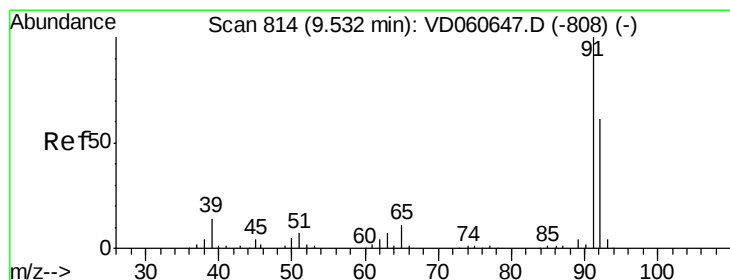
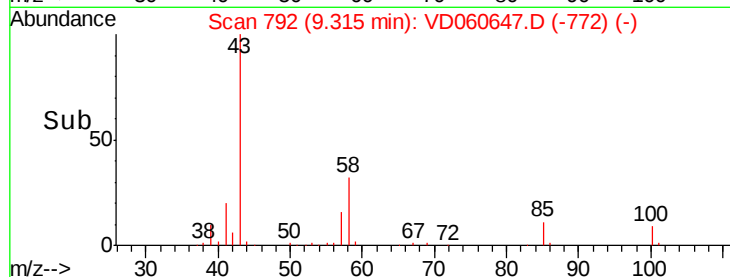
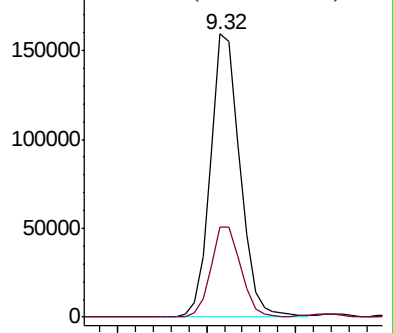
43 100

58 31.9 25.5 38.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.000 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060647.D

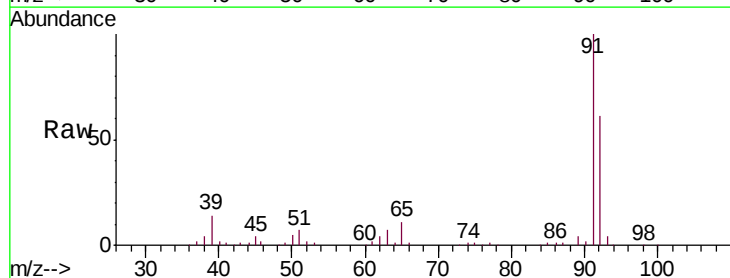
Acq: 19 Dec 2018 19:33

Tgt Ion: 92 Resp: 366254

Ion Ratio Lower Upper

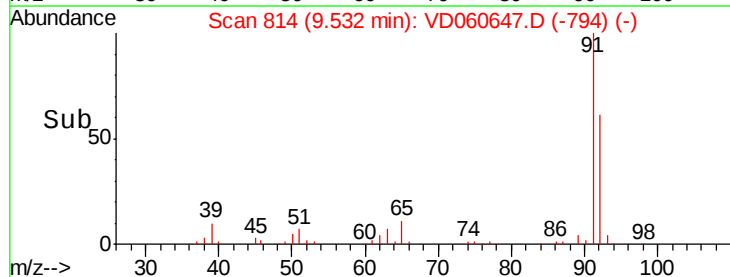
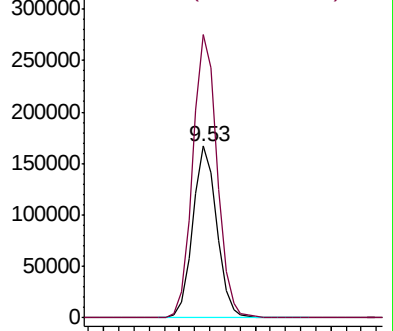
92 100

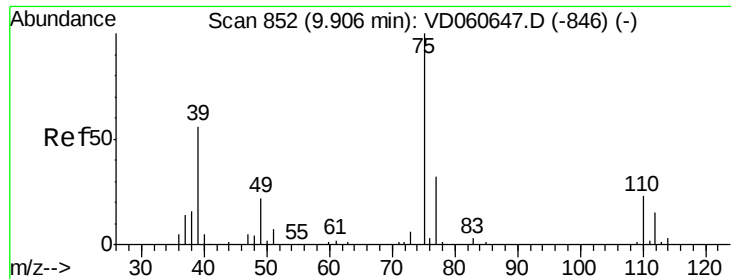
91 164.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

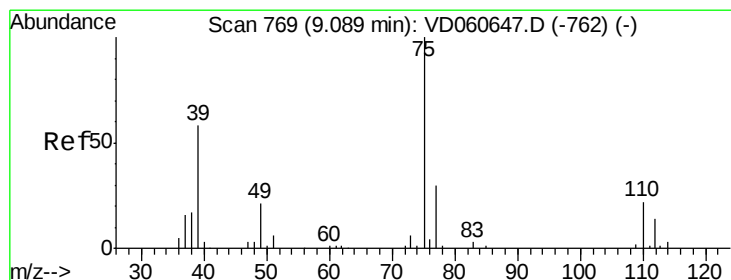
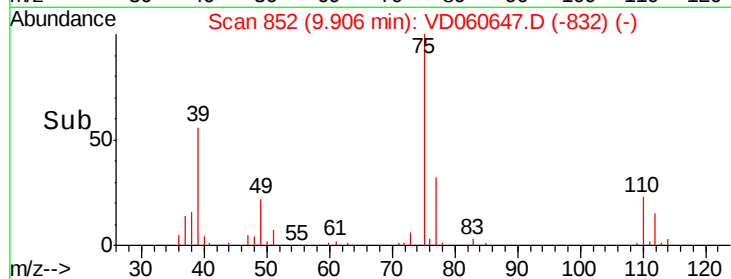
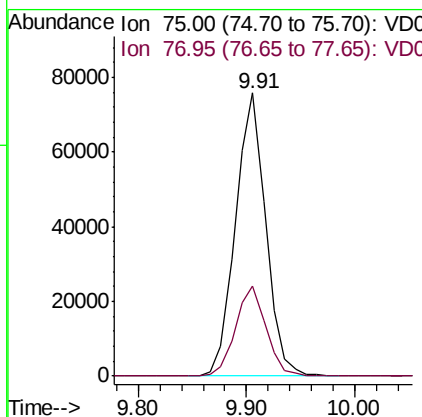
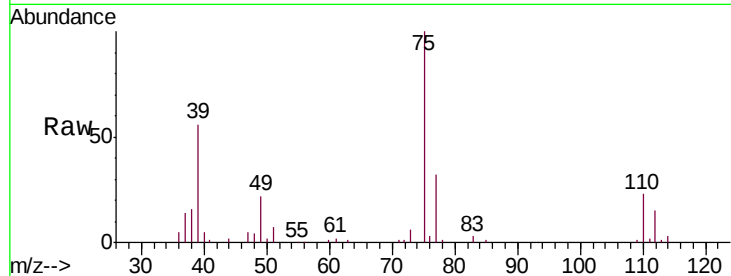




#53
t-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

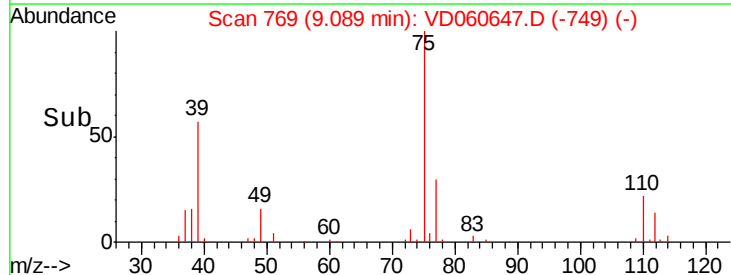
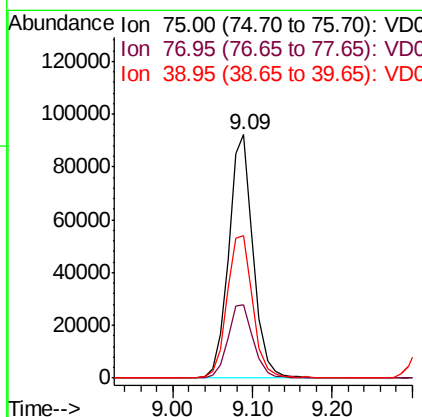
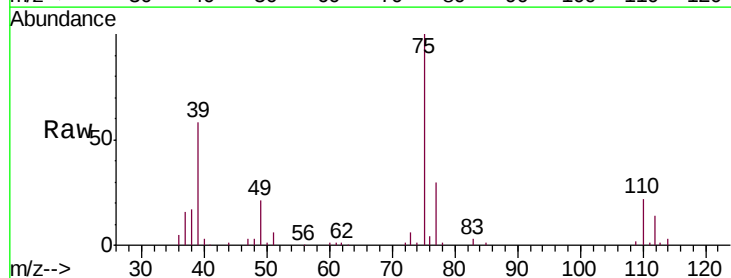
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

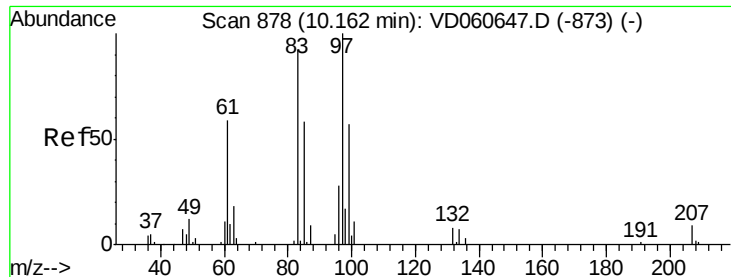
Tgt Ion: 75 Resp: 147183
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 75 Resp: 197091
Ion Ratio Lower Upper
75 100
77 30.3 24.2 36.4
39 58.3 46.6 70.0

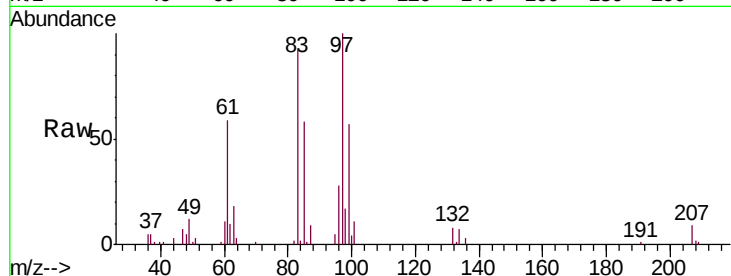




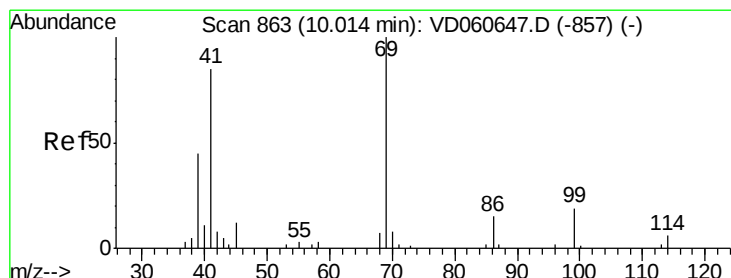
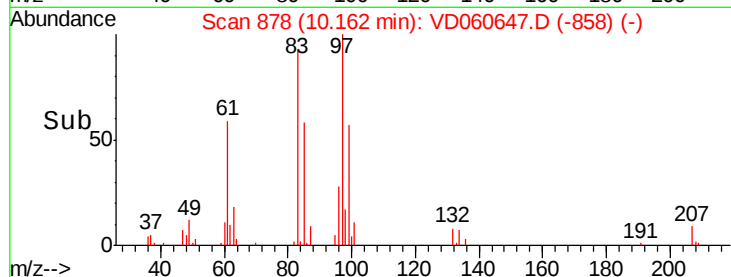
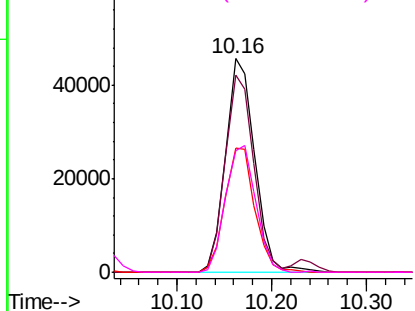
#55
1,1,2-Trichloroethane
Concen: 50.000 ug/l
RT: 10.16 min Scan# 878
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 97732
Ion Ratio Lower Upper
97 100
83 92.5 74.0 111.0
85 57.9 46.3 69.5
99 56.7 45.4 68.0

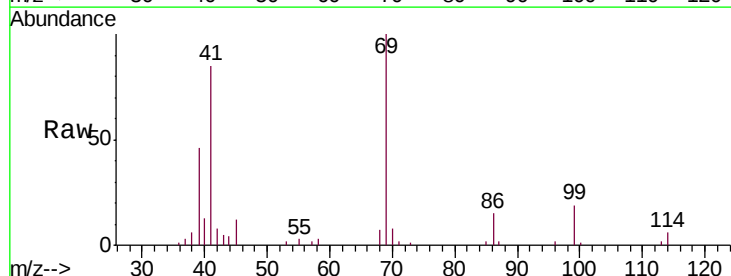


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

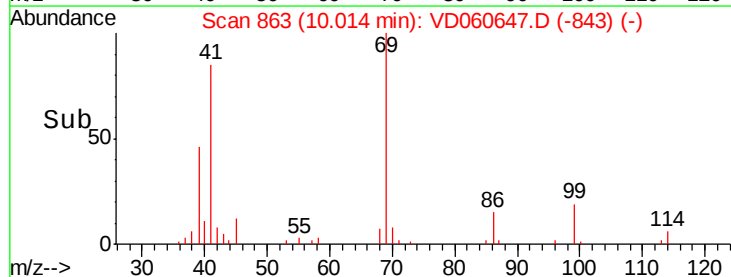
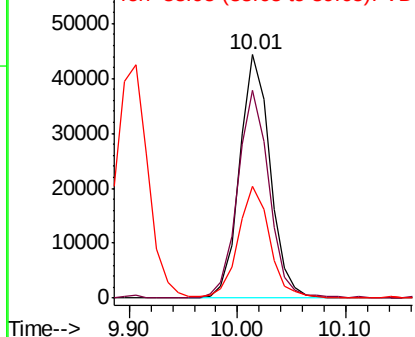


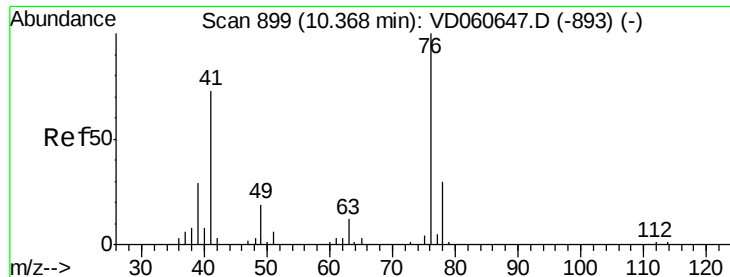
#56
Ethyl methacrylate
Concen: 50.000 ug/l
RT: 10.01 min Scan# 863
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 69 Resp: 86952
Ion Ratio Lower Upper
69 100
41 85.4 68.3 102.5
39 45.7 36.6 54.8



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

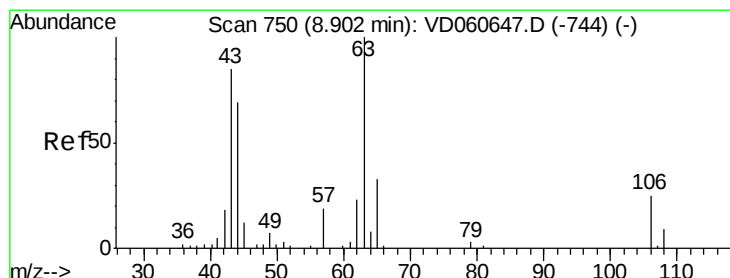
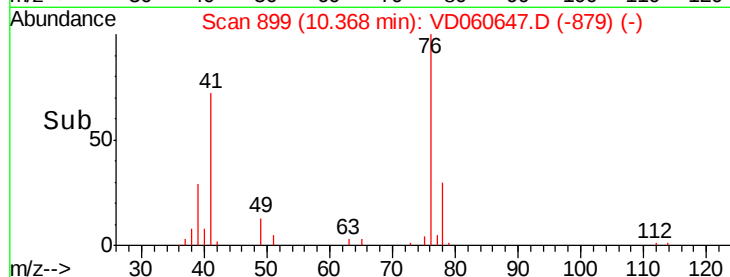
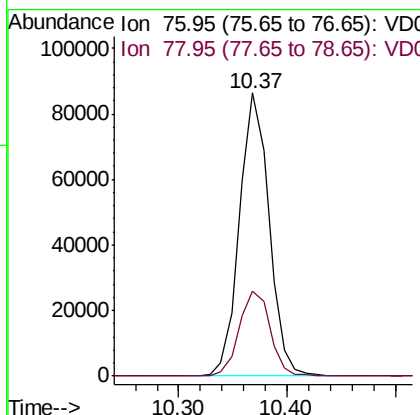
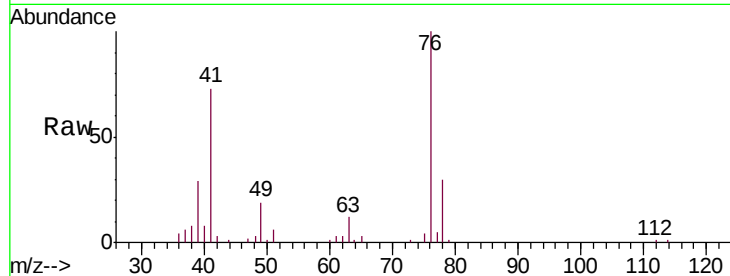




#57
 1,3-Dichloropropane
 Concen: 50.000 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

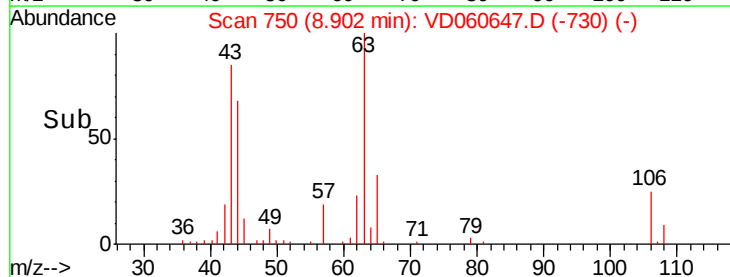
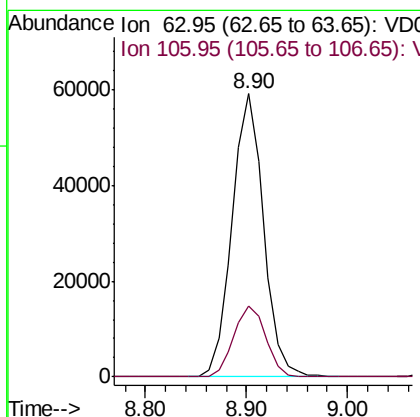
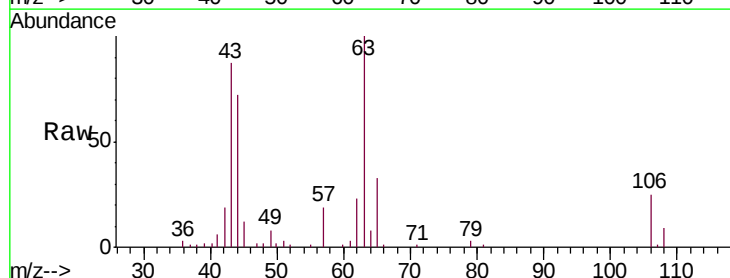
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

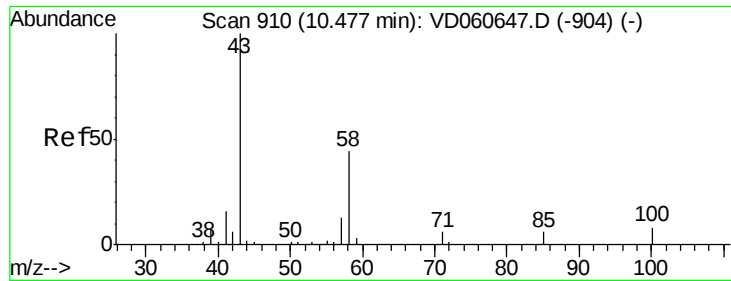
Tgt Ion: 76 Resp: 164813
 Ion Ratio Lower Upper
 76 100
 78 30.0 24.0 36.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.000 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion: 63 Resp: 127988
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.2 30.2

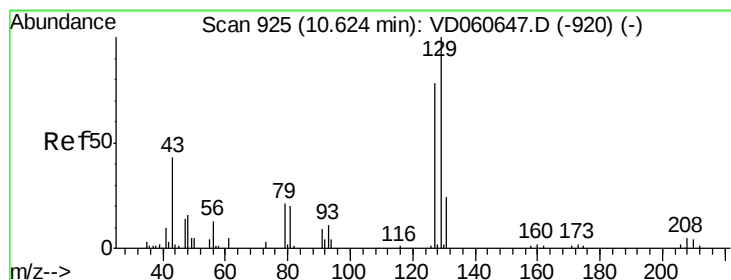
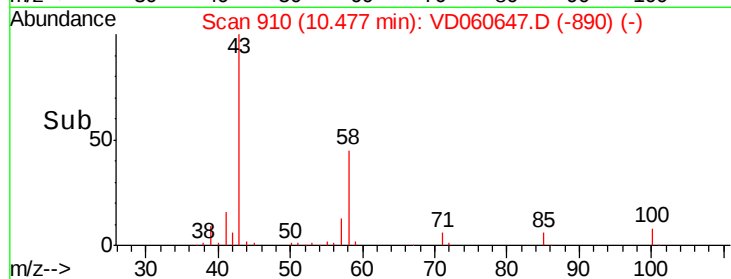
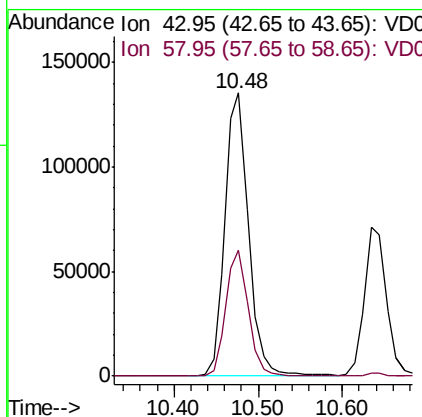
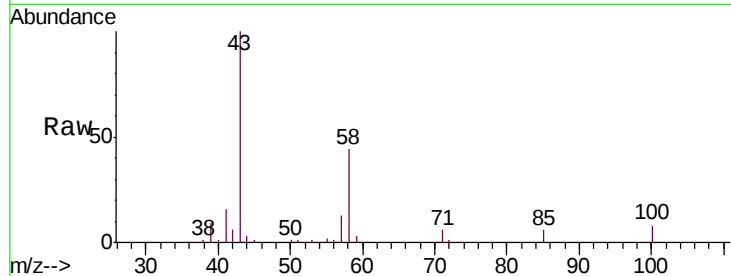




#59
2-Hexanone
Concen: 250.000 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

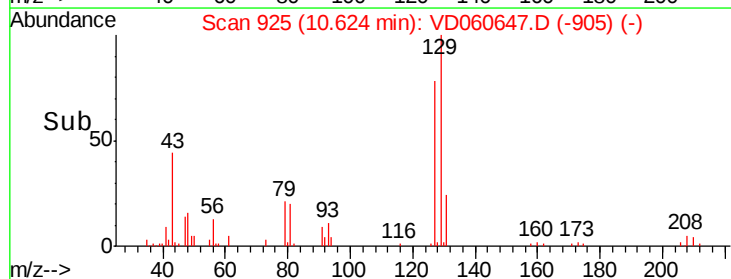
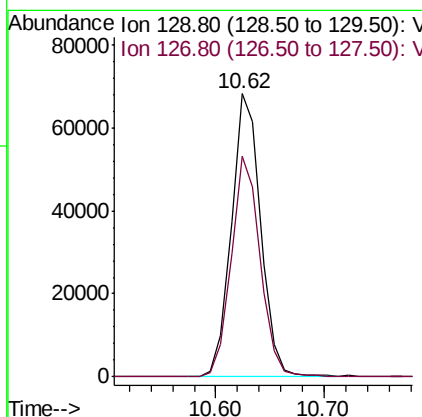
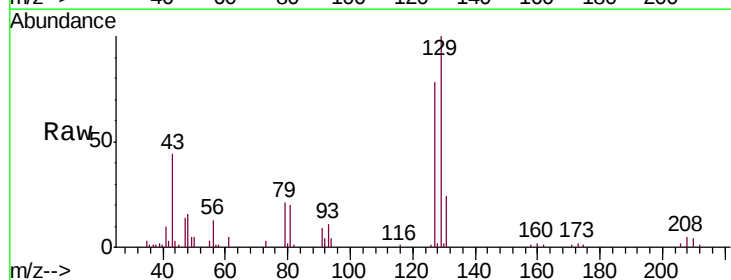
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

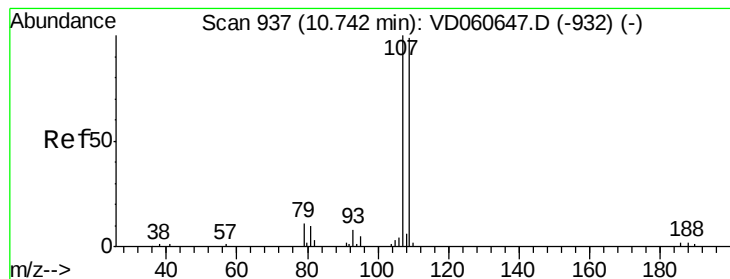
Tgt Ion: 43 Resp: 263014
Ion Ratio Lower Upper
43 100
58 44.5 22.3 66.8



#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 129 Resp: 127844
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 50.000 ug/l

RT: 10.74 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

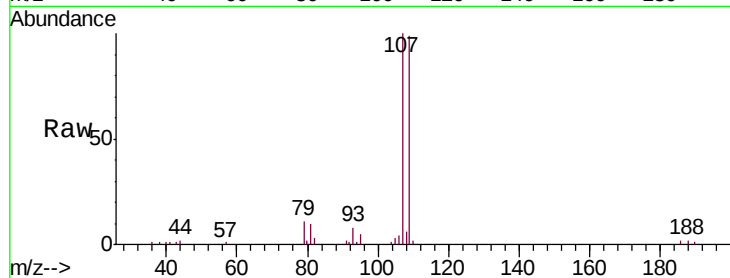
VSTDICCC050

Tgt Ion: 107 Resp: 97466

Ion Ratio Lower Upper

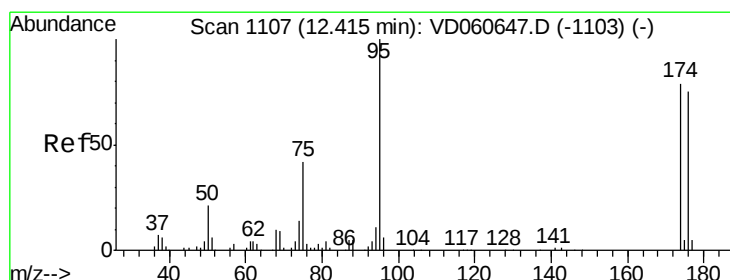
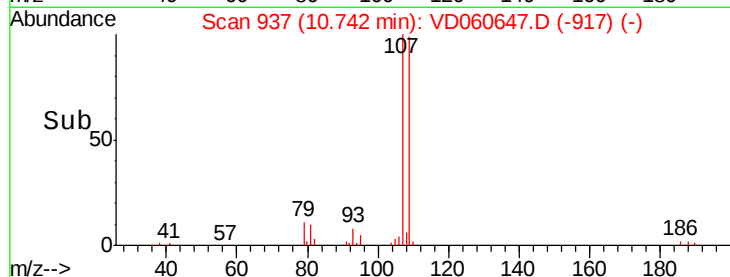
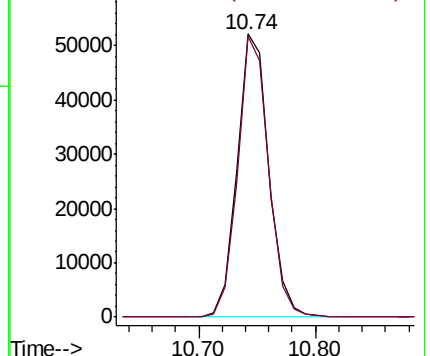
107 100

109 99.2 79.4 119.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.000 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

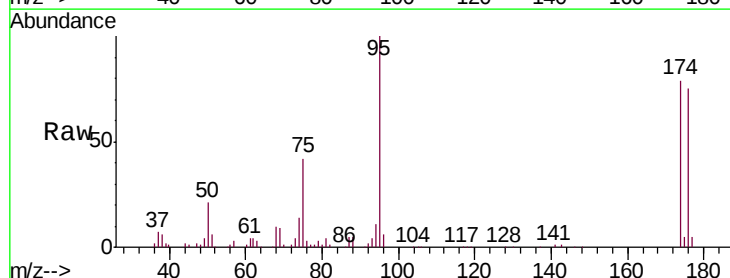
Tgt Ion: 95 Resp: 215751

Ion Ratio Lower Upper

95 100

174 79.1 0.0 158.2

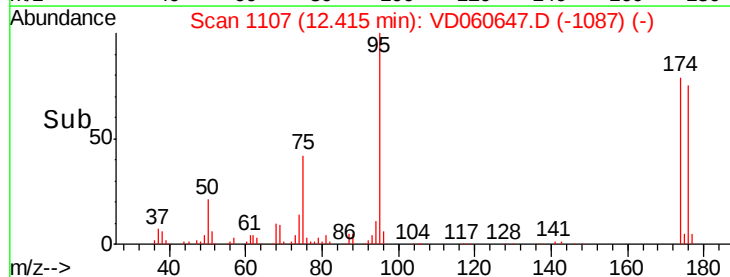
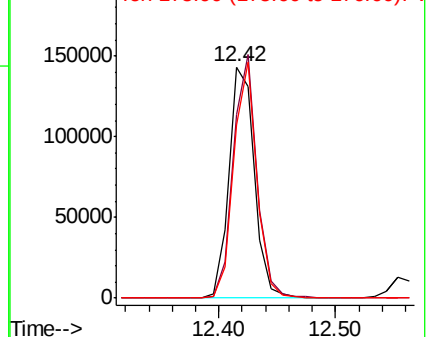
176 75.1 0.0 150.2

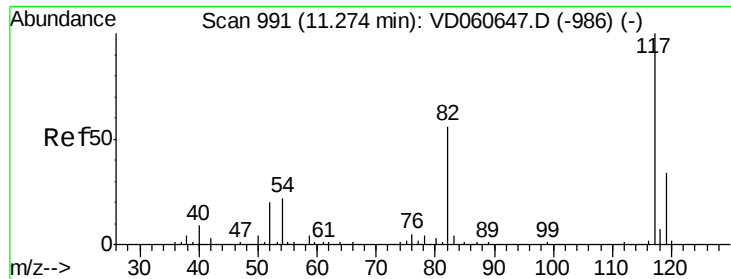


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

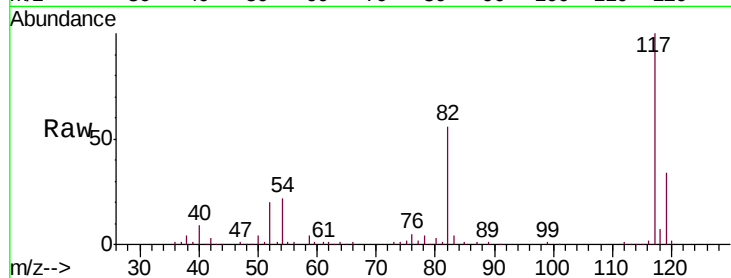




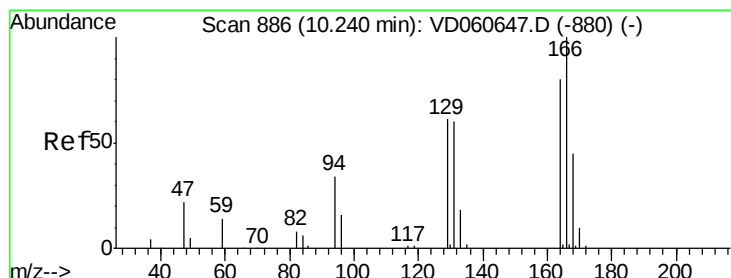
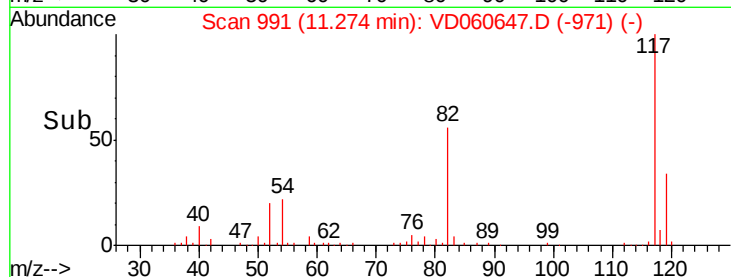
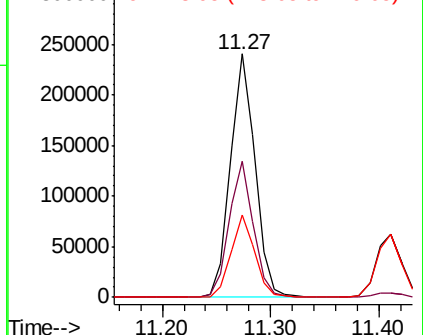
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 381896
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 33.7 27.0 40.4

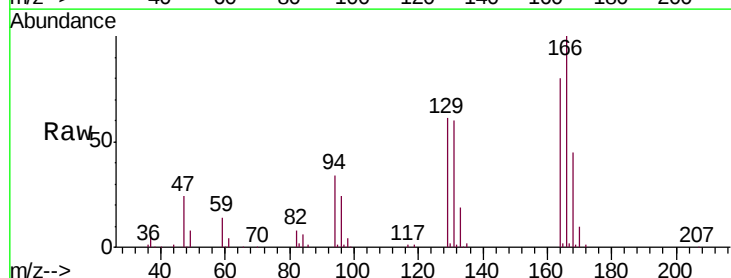


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

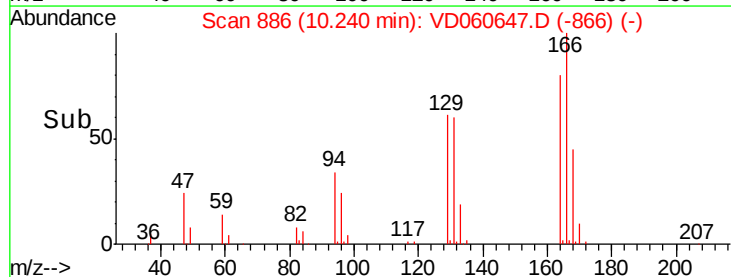
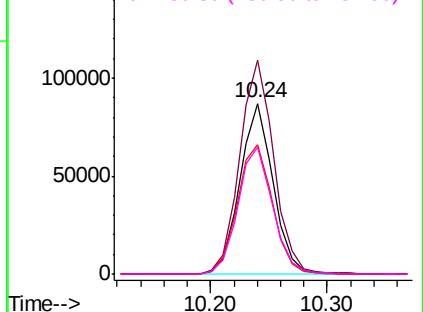


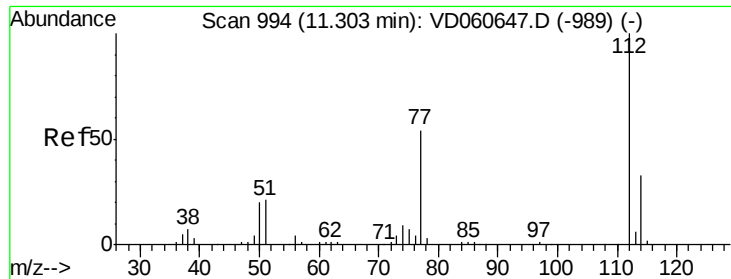
#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion:164 Resp: 170646
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 75.7 60.6 90.8
131 74.4 59.5 89.3



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

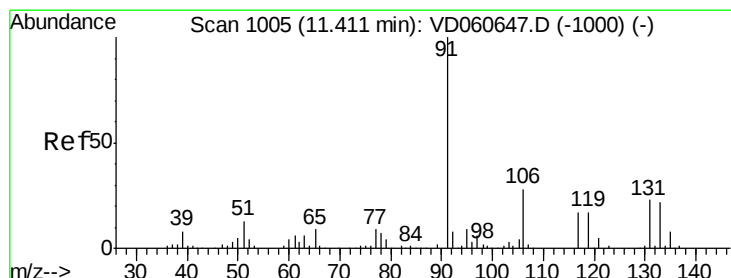
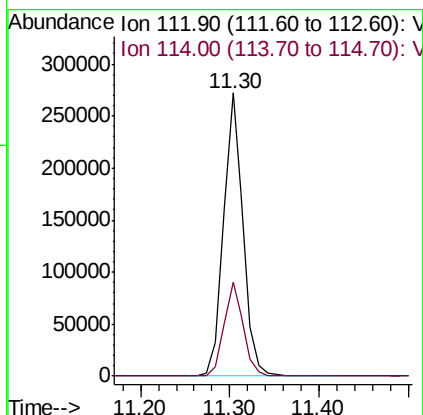
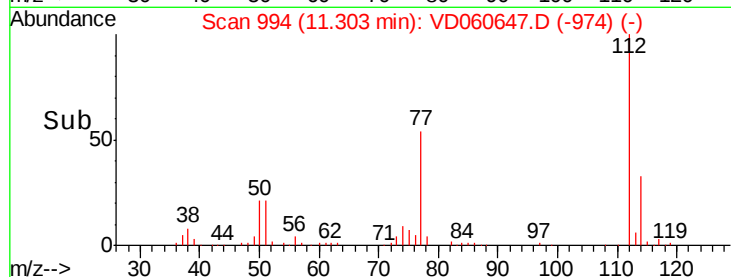
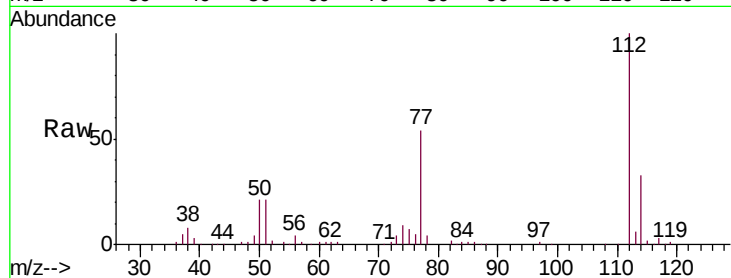




#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

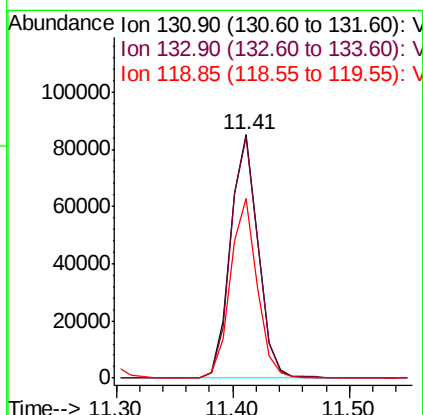
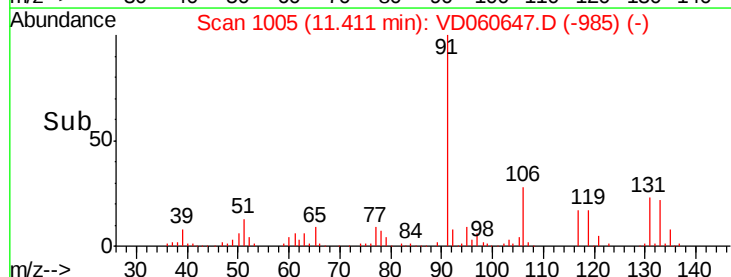
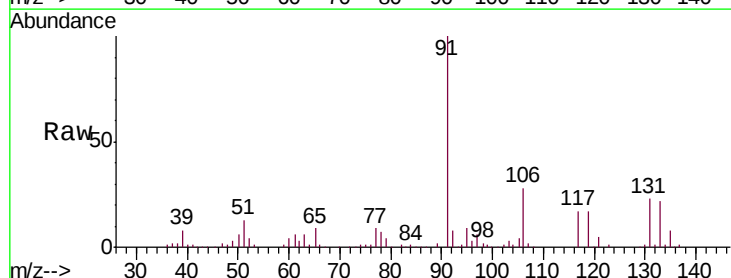
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

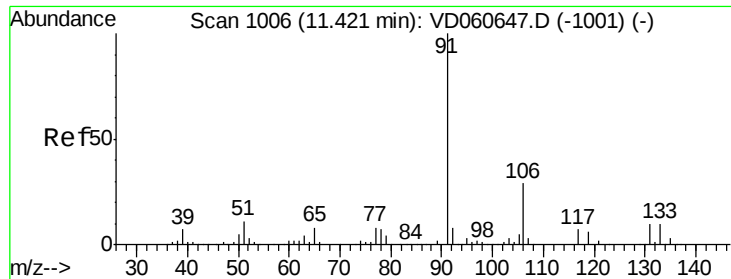
Tgt Ion:112 Resp: 419895
Ion Ratio Lower Upper
112 100
114 33.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion:131 Resp: 139891
Ion Ratio Lower Upper
131 100
133 98.8 49.4 148.2
119 73.7 36.9 110.6

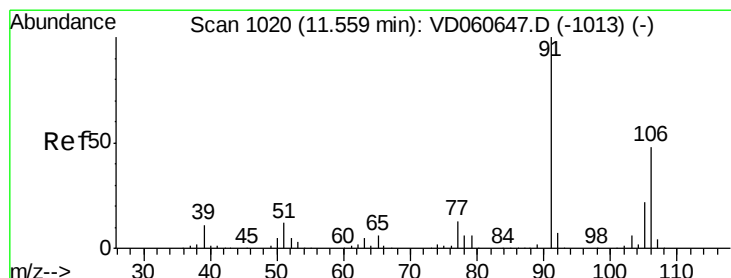
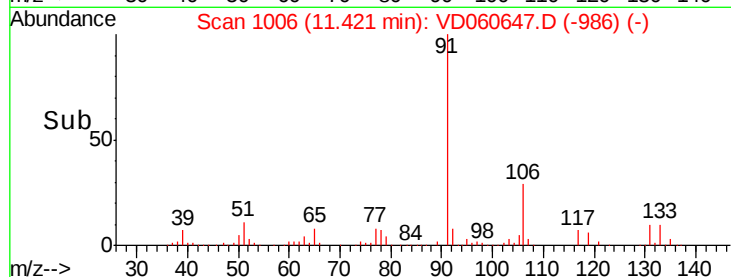
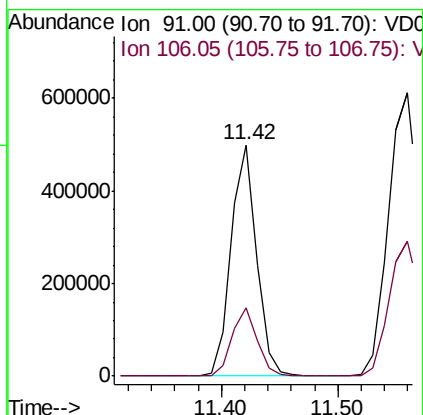
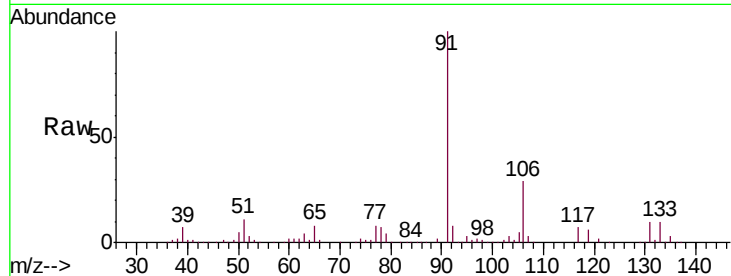




#67
Ethyl Benzene
Concen: 50.000 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

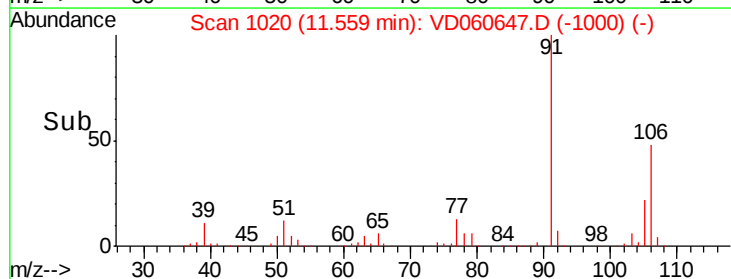
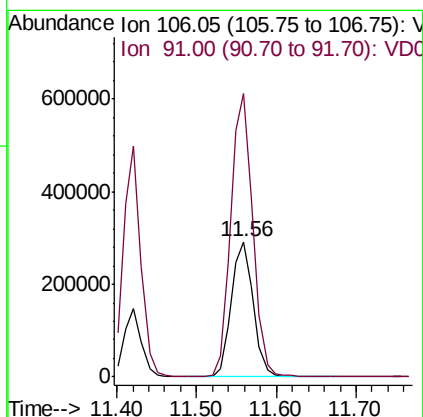
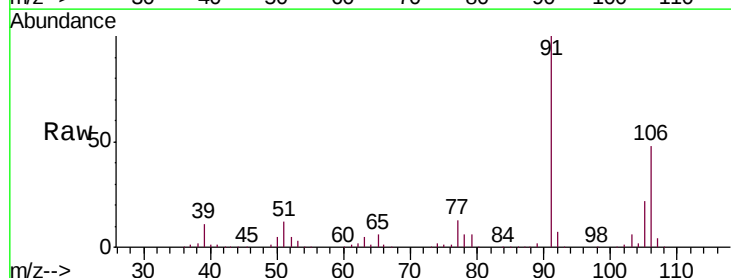
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

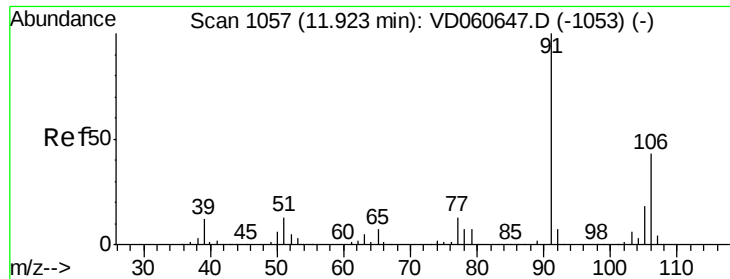
Tgt Ion: 91 Resp: 759238
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3



#68
m/p-Xylenes
Concen: 100.000 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 106 Resp: 562910
Ion Ratio Lower Upper
106 100
91 209.5 167.6 251.4

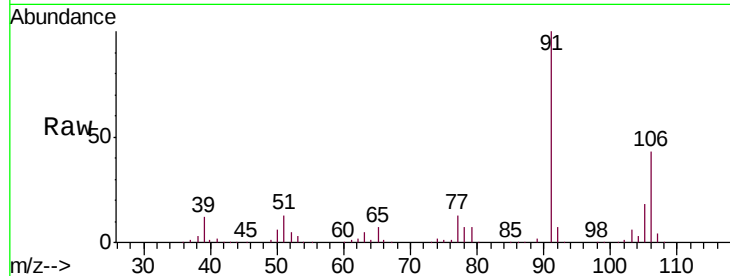




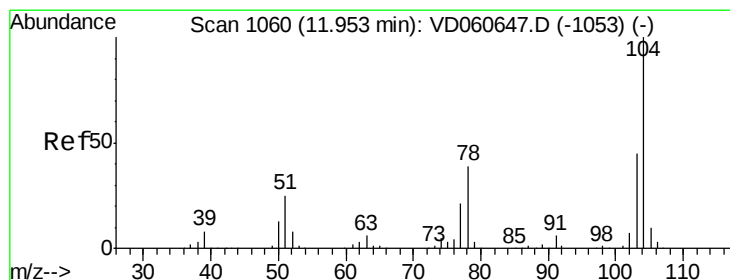
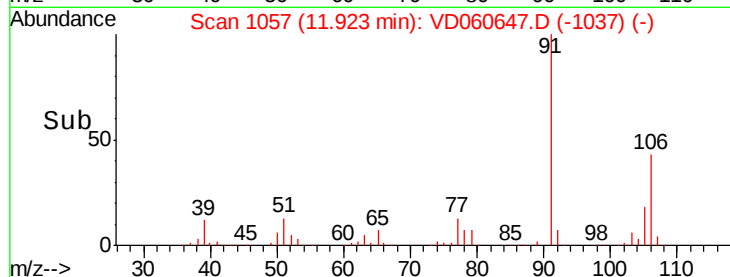
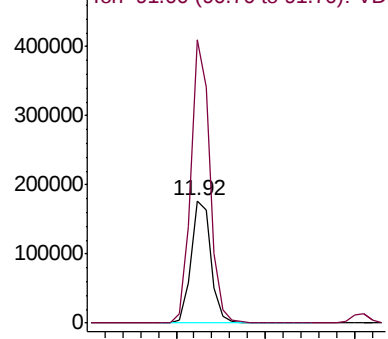
#69
o-Xylene
Concen: 50.000 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 277880
Ion Ratio Lower Upper
106 100
91 230.8 115.4 346.2

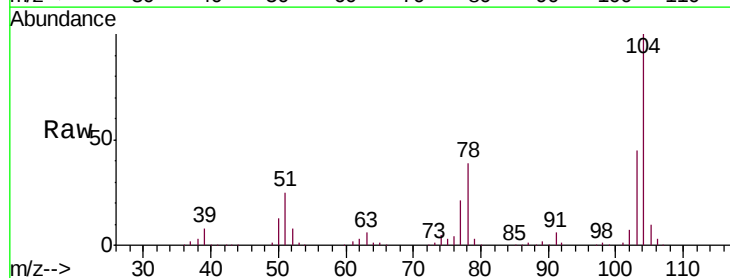


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

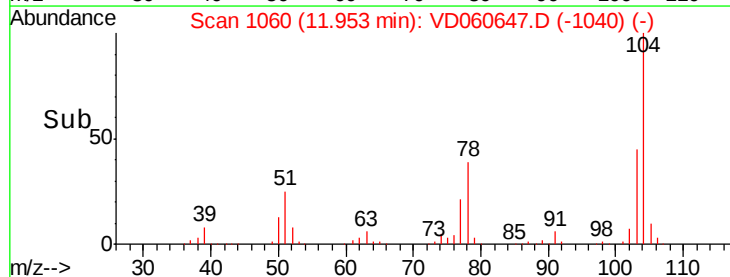
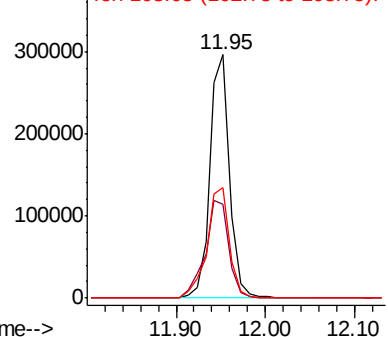


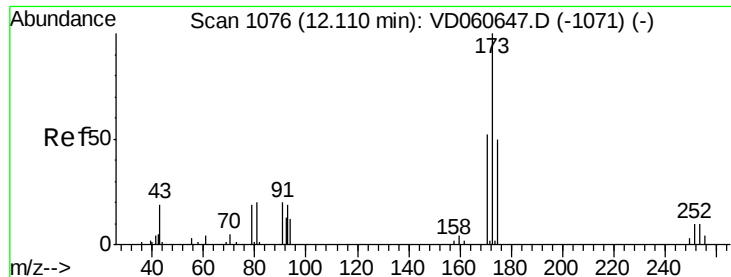
#70
Styrene
Concen: 50.000 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion:104 Resp: 453400
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 45.4 36.3 54.5



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

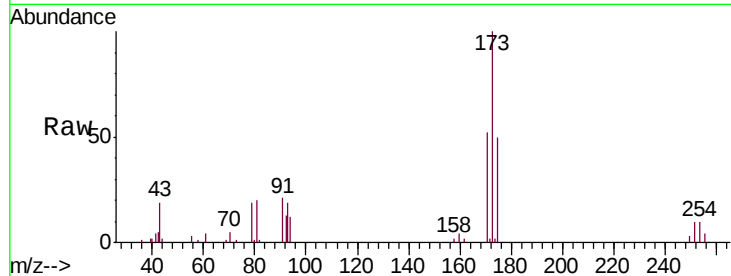




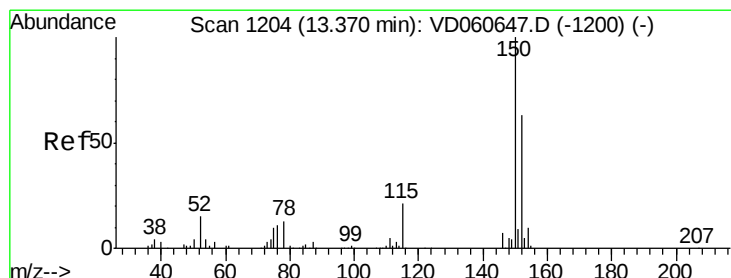
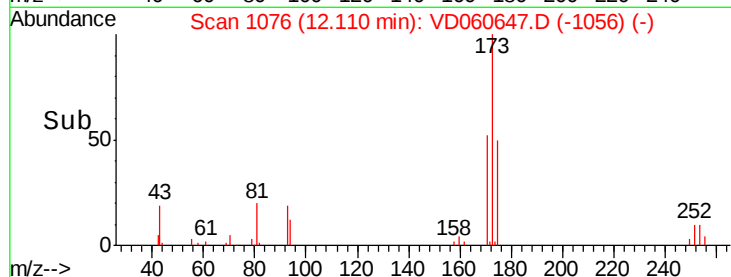
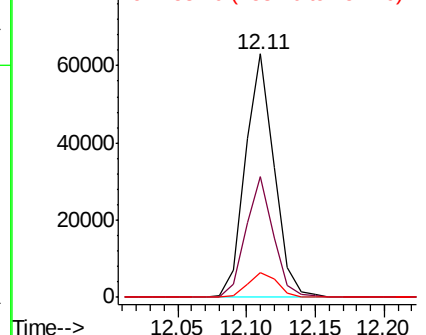
#71
Bromoform
Concen: 50.000 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 91590
Ion Ratio Lower Upper
173 100
175 49.7 24.9 74.6
254 10.0 8.0 12.0

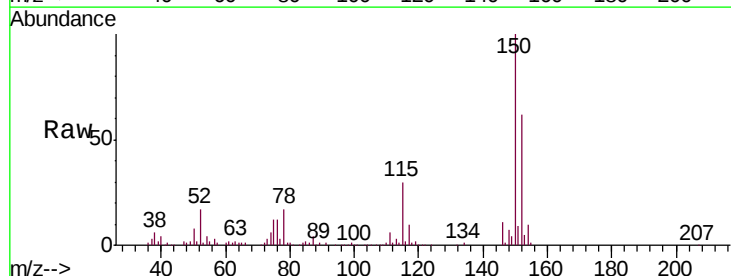


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

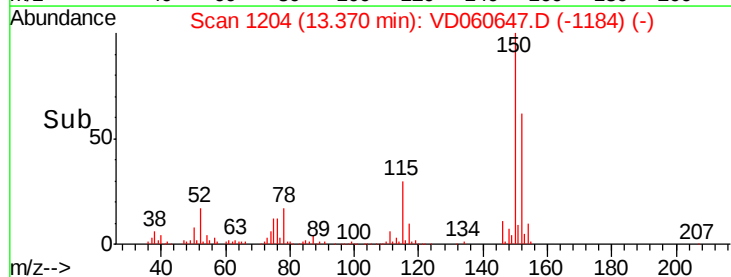
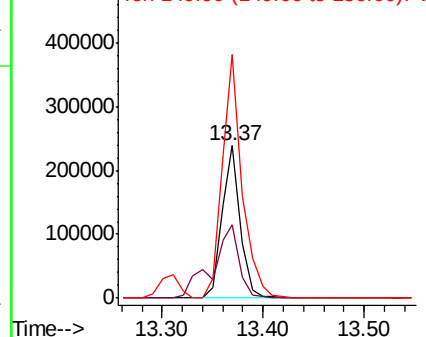


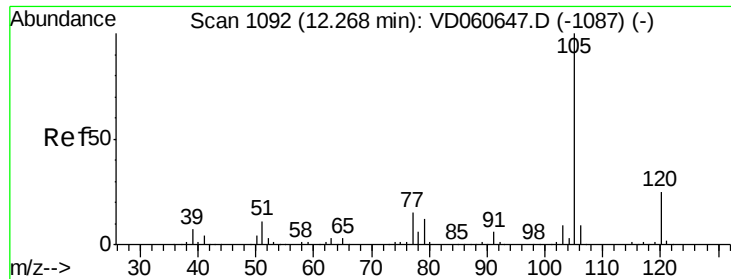
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion:152 Resp: 300987
Ion Ratio Lower Upper
152 100
115 48.6 24.3 72.9
150 160.0 0.0 320.0



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: 50.000 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

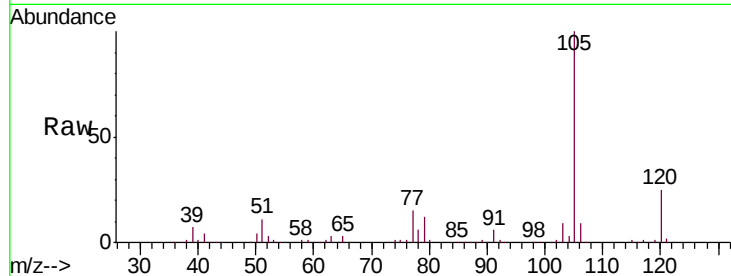
VSTDICCC050

Tgt Ion: 105 Resp: 806296

Ion Ratio Lower Upper

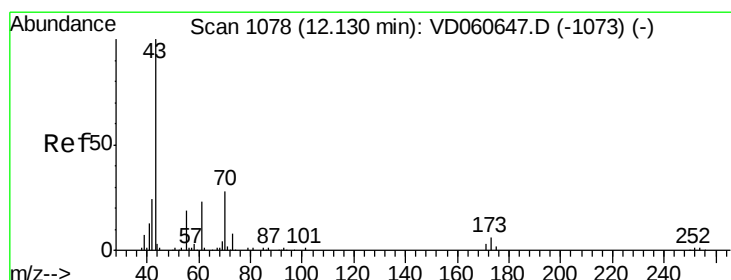
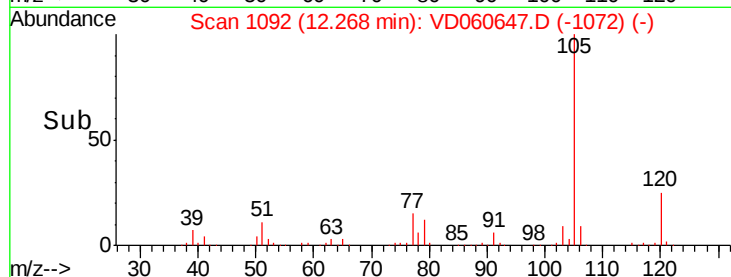
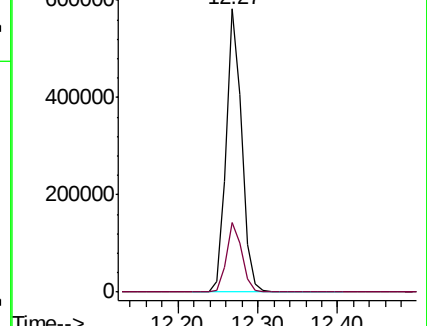
105 100

120 24.7 12.4 37.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Tgt Ion: 43 Resp: 174196

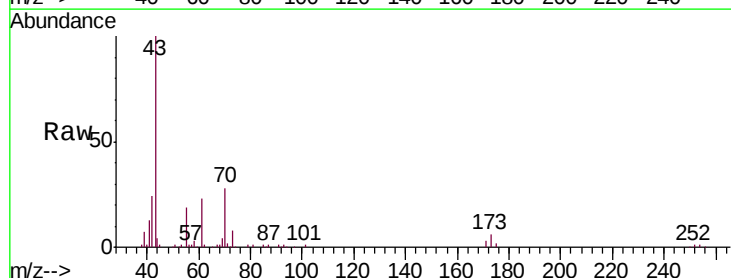
Ion Ratio Lower Upper

43 100

70 28.5 22.8 34.2

55 18.5 14.8 22.2

61 22.9 18.3 27.5

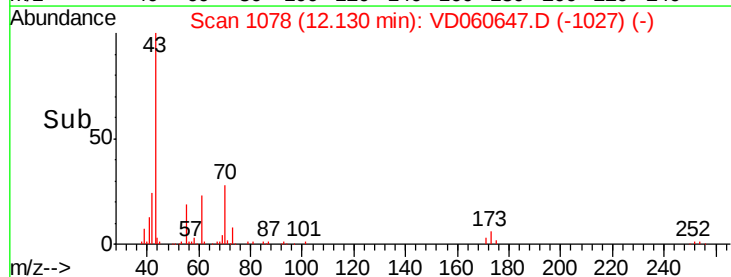
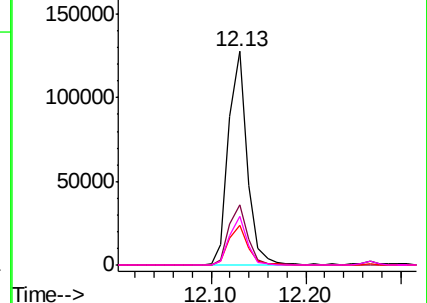


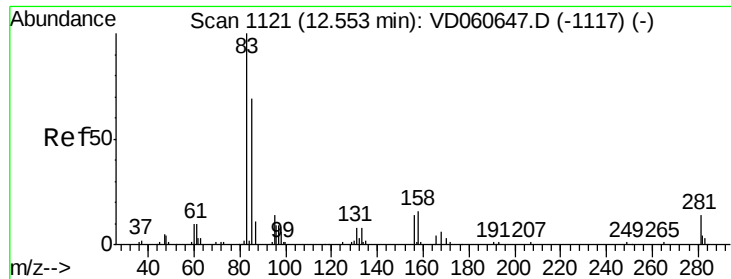
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

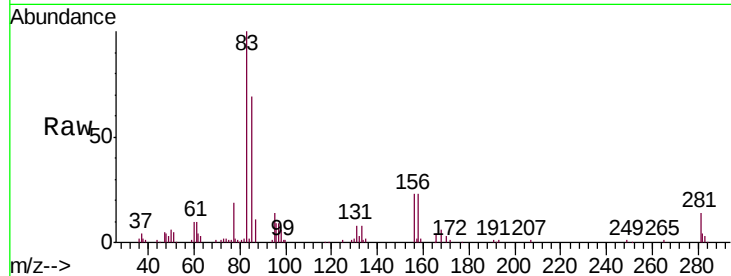
Tgt Ion: 83 Resp: 140851

Ion Ratio Lower Upper

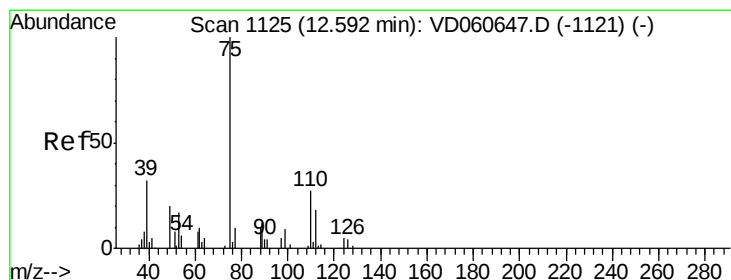
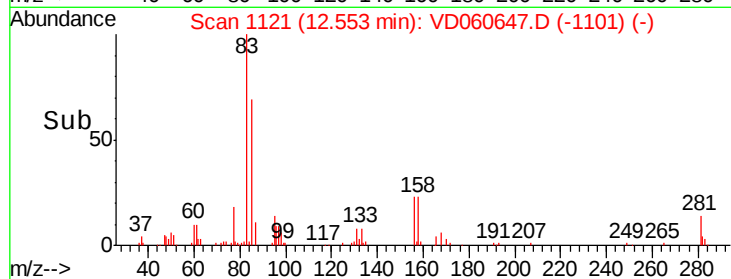
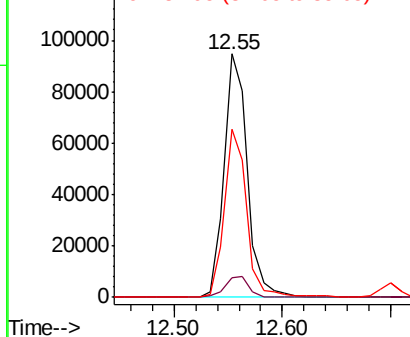
83 100

131 8.0 4.0 12.0

85 69.0 34.5 103.5



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: 50.000 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060647.D

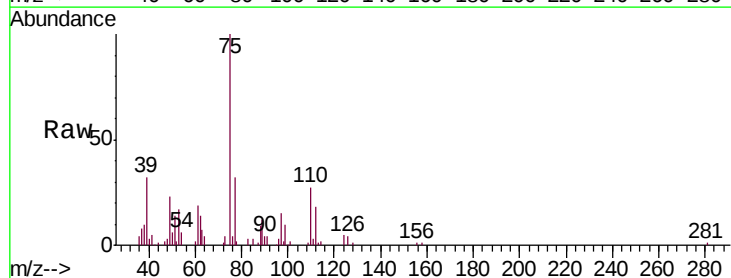
Acq: 19 Dec 2018 19:33

Tgt Ion: 75 Resp: 128210

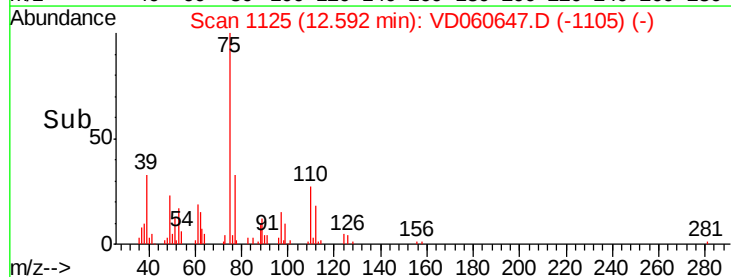
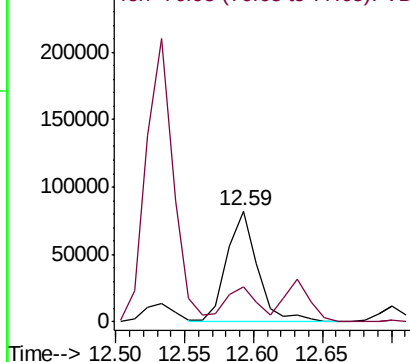
Ion Ratio Lower Upper

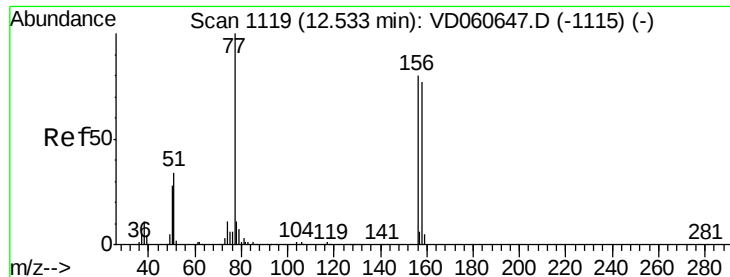
75 100

77 31.8 15.9 47.7



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





#77

Bromobenzene

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

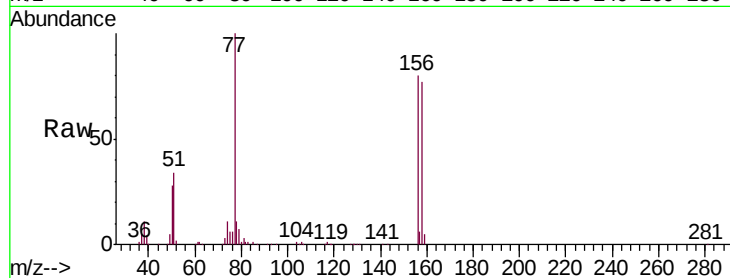
Tgt Ion:156 Resp: 225263

Ion Ratio Lower Upper

156 100

77 125.7 62.8 188.5

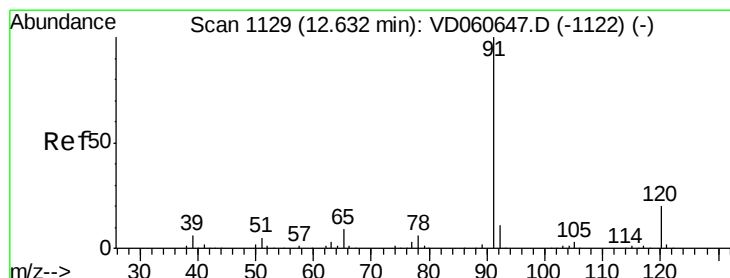
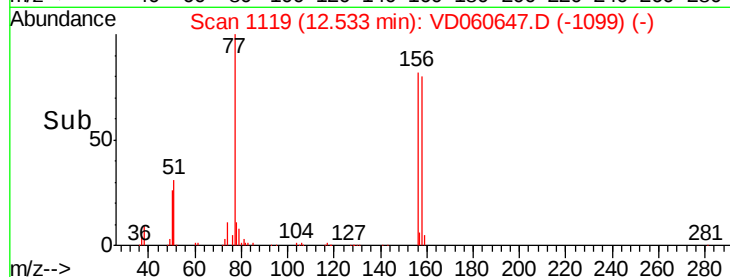
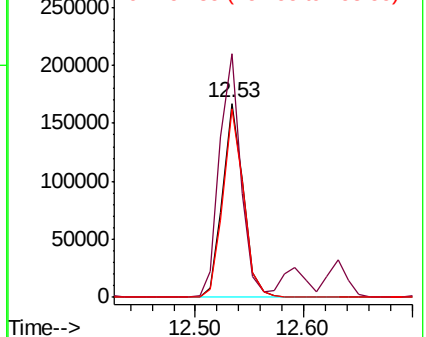
158 97.3 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060647.D

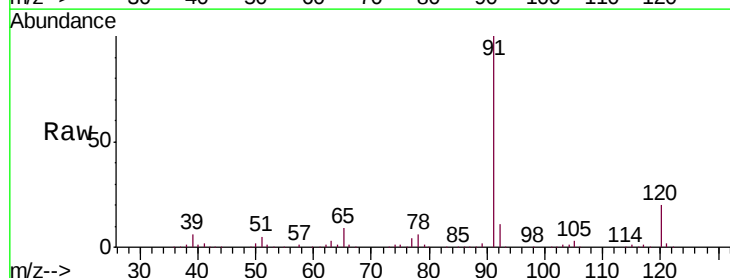
Acq: 19 Dec 2018 19:33

Tgt Ion: 91 Resp: 1117358

Ion Ratio Lower Upper

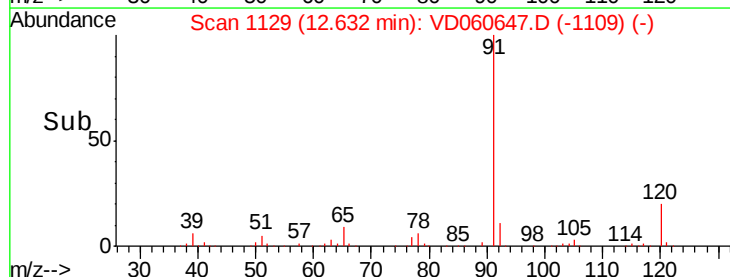
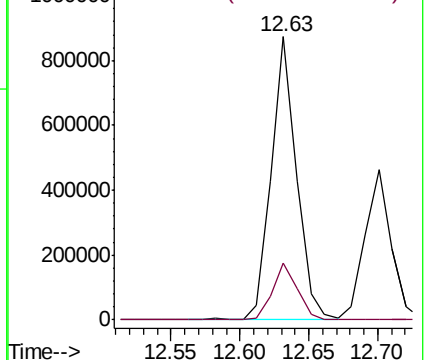
91 100

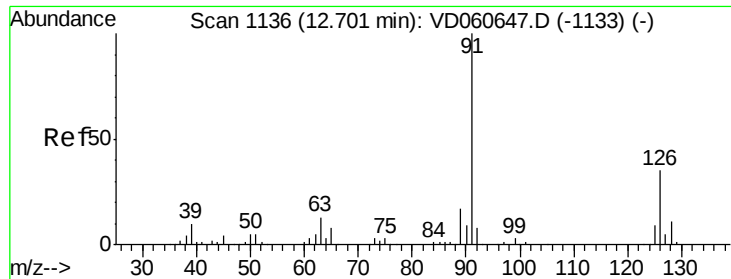
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.000 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

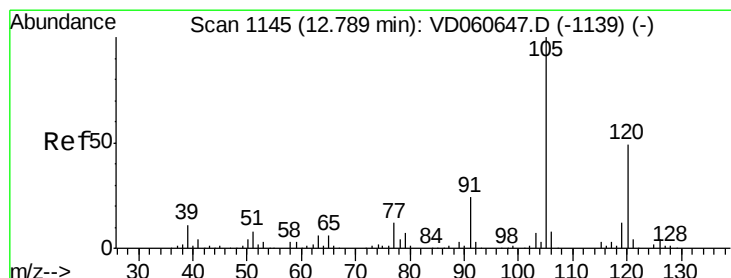
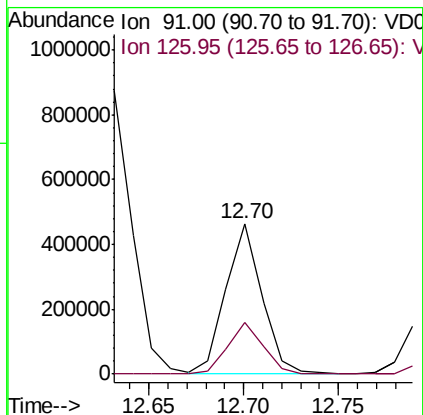
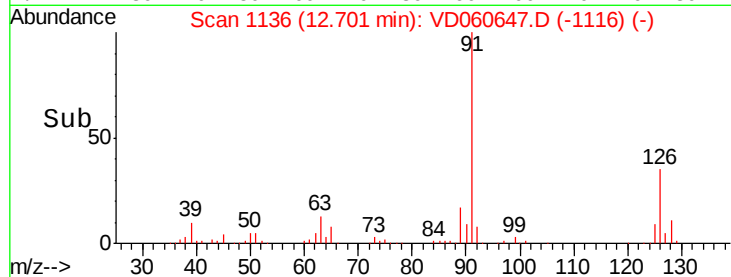
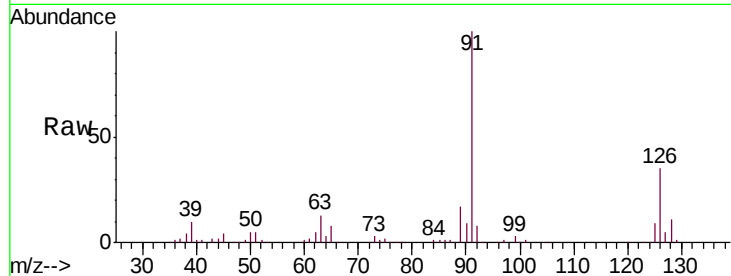
VSTDICCC050

Tgt Ion: 91 Resp: 608917

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 50.000 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD060647.D

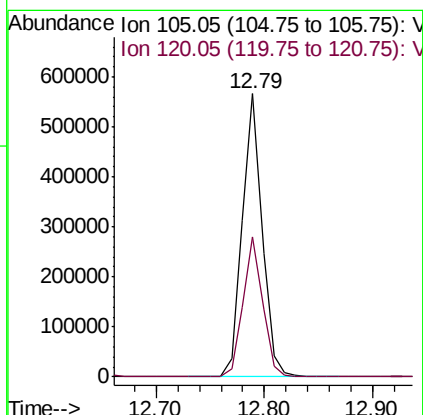
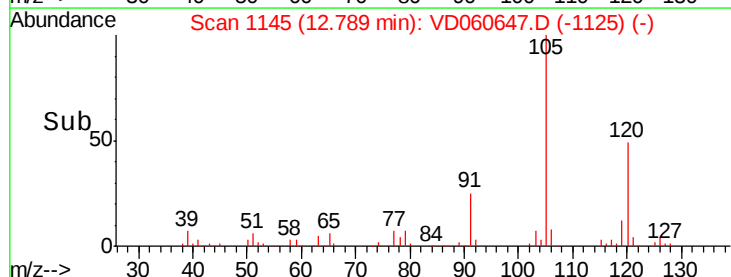
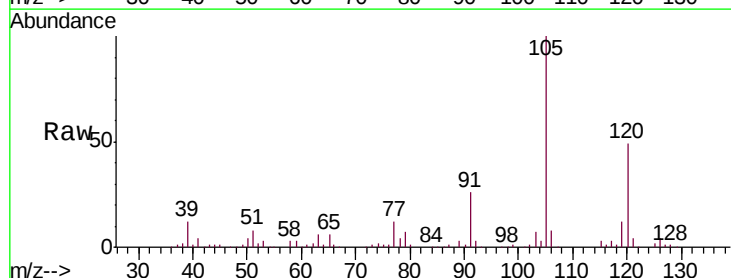
Acq: 19 Dec 2018 19:33

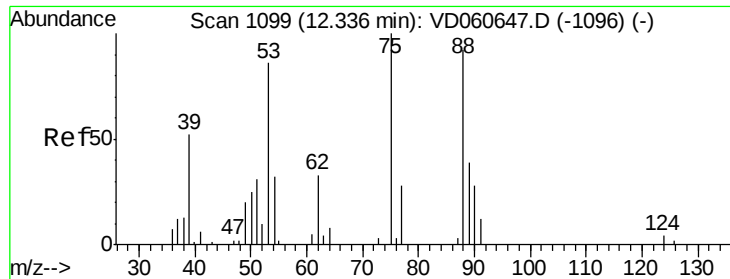
Tgt Ion: 105 Resp: 720293

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0

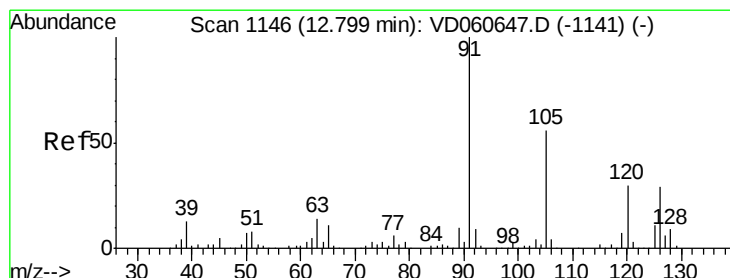
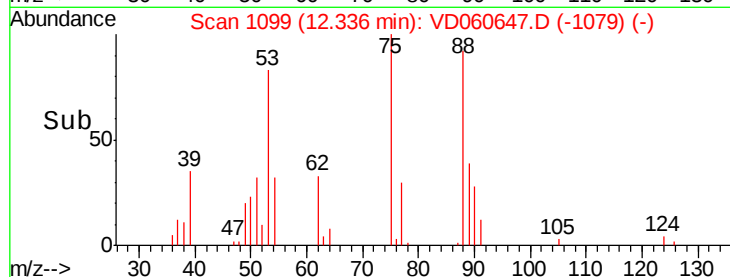
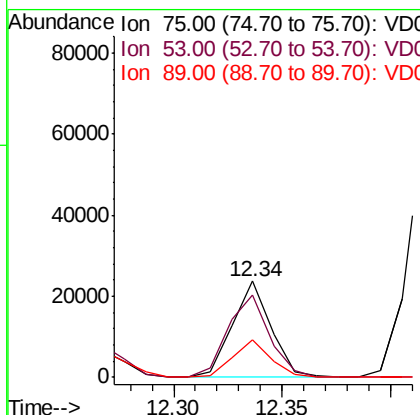
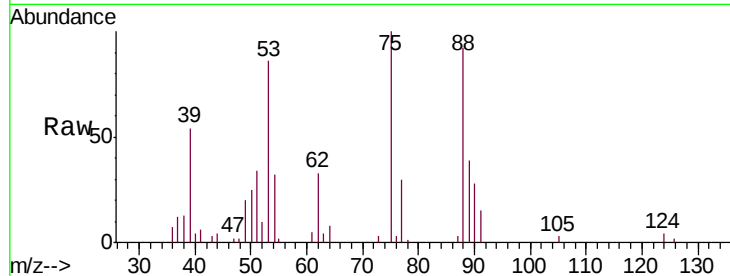




#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

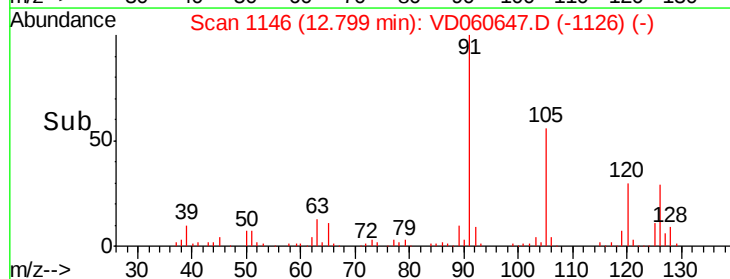
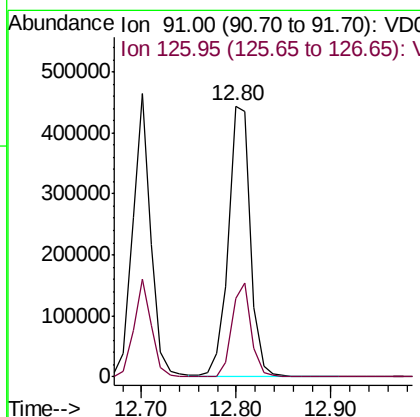
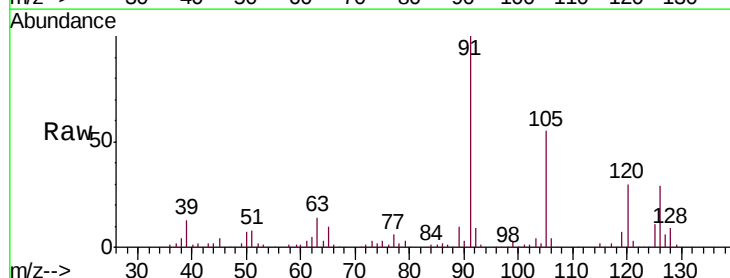
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

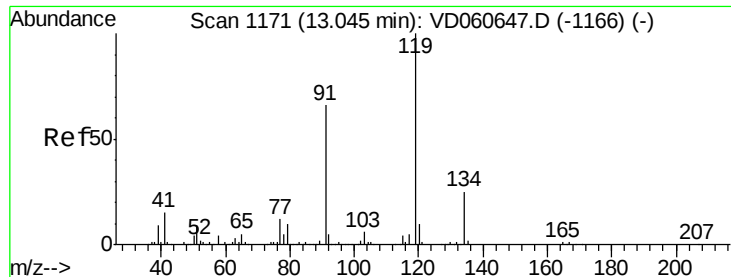
Tgt Ion: 75 Resp: 29540
Ion Ratio Lower Upper
75 100
53 85.5 68.4 102.6
89 39.5 31.6 47.4



#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 91 Resp: 716486
Ion Ratio Lower Upper
91 100
126 29.1 14.5 43.6

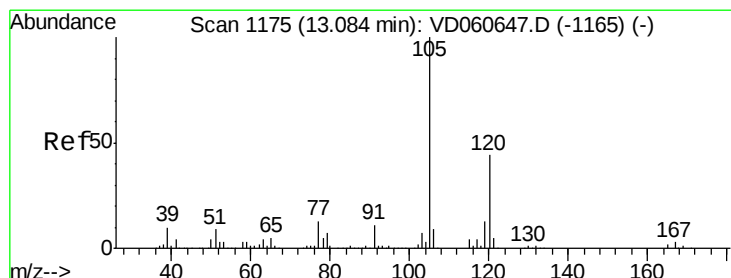
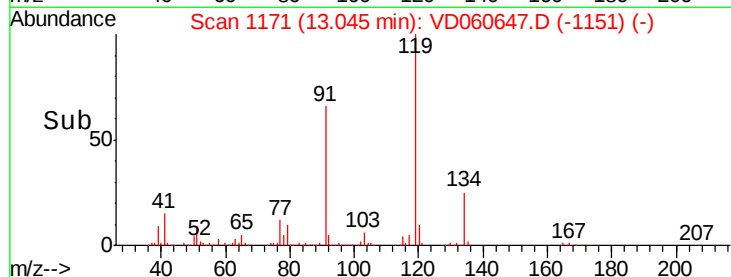
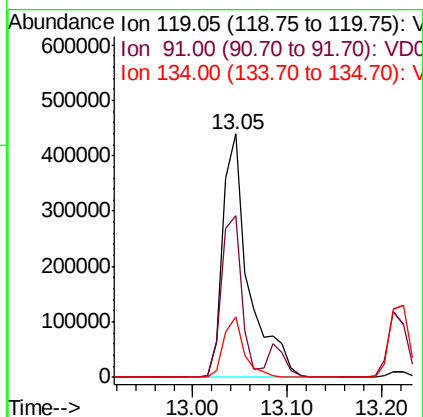
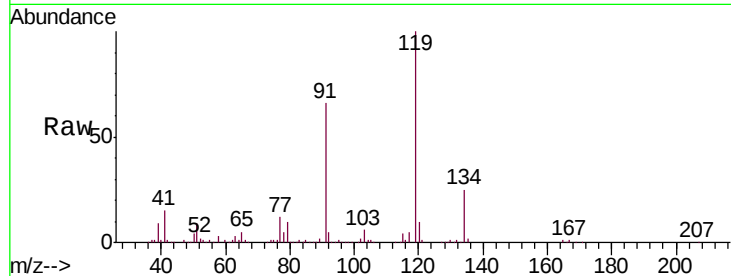




#83
 tert-Butylbenzene
 Concen: 50.000 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

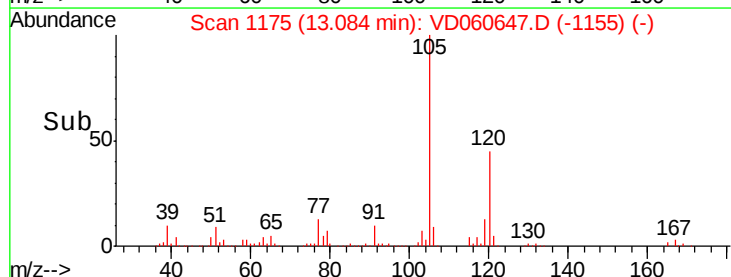
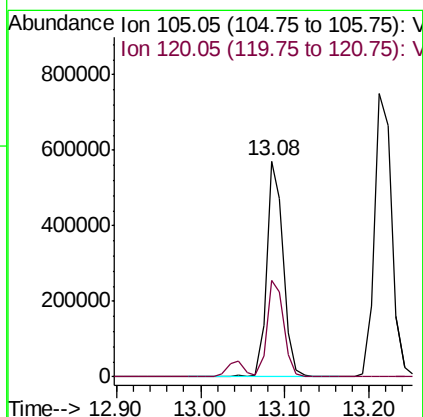
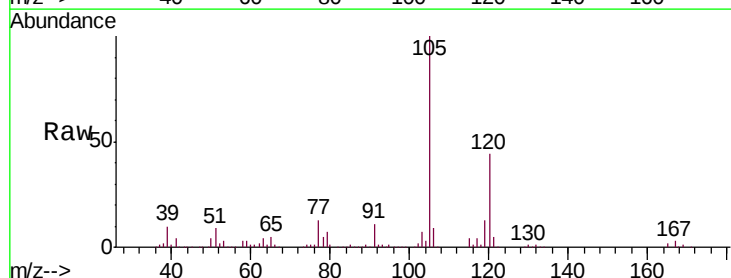
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

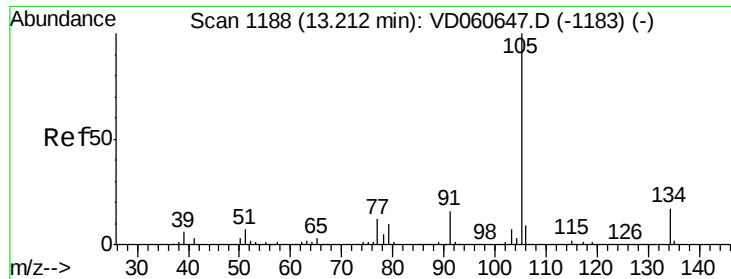
Tgt Ion:119 Resp: 830511
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.3 99.8
 134 25.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion:105 Resp: 792300
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8

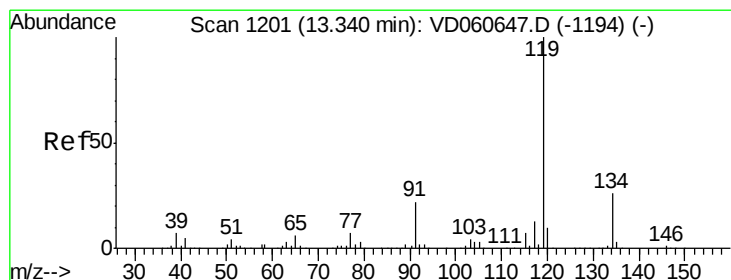
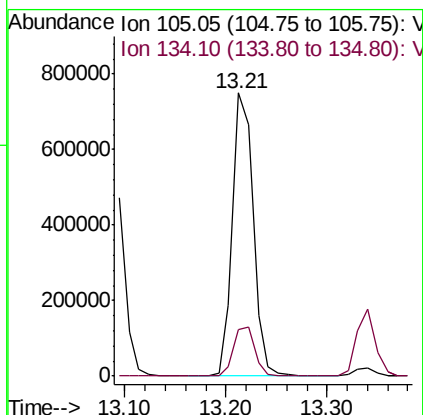
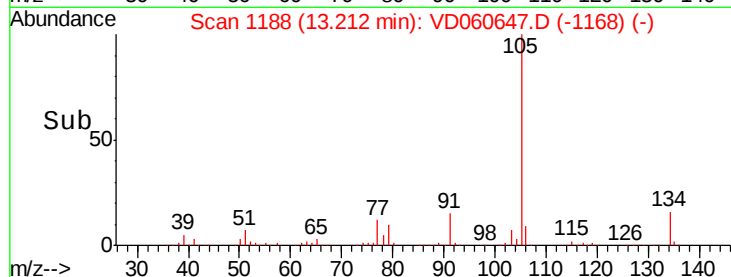
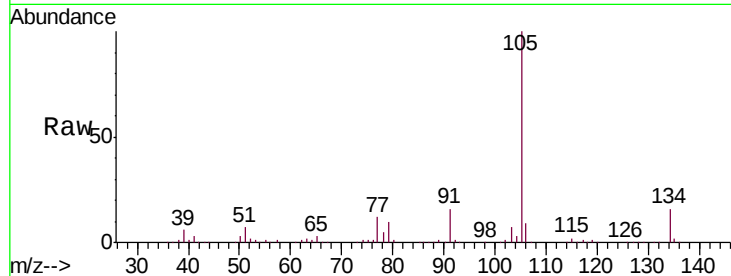




#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

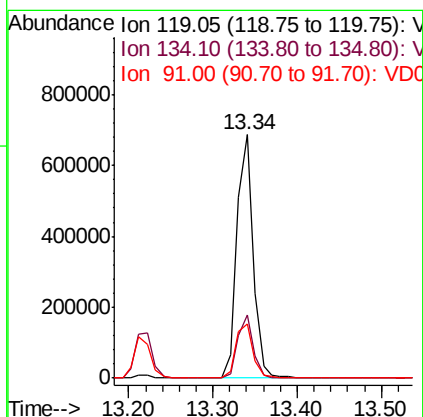
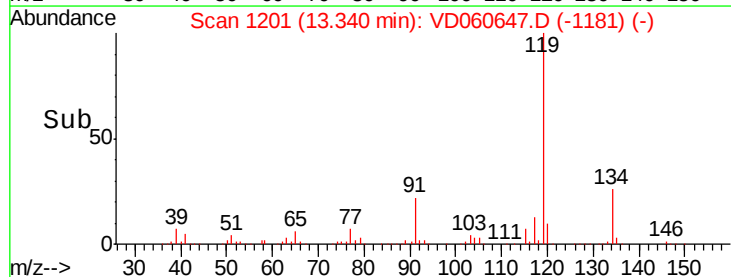
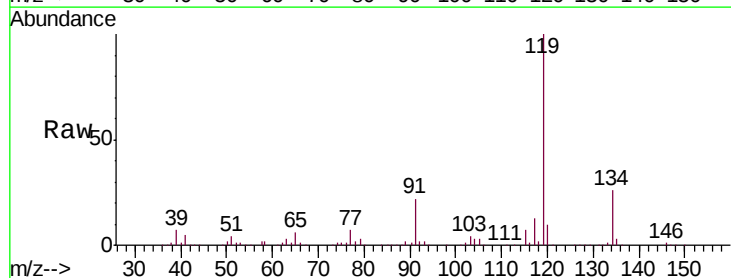
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

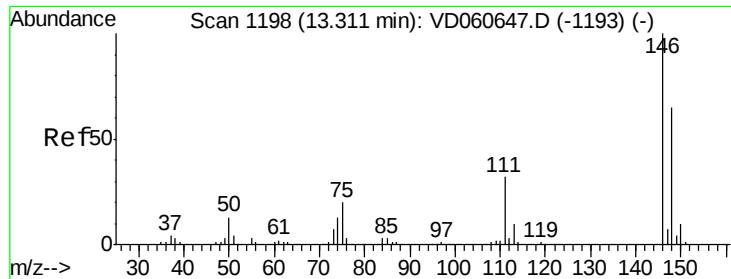
Tgt Ion:105 Resp: 1064606
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion:119 Resp: 916893
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 22.3 11.2 33.5

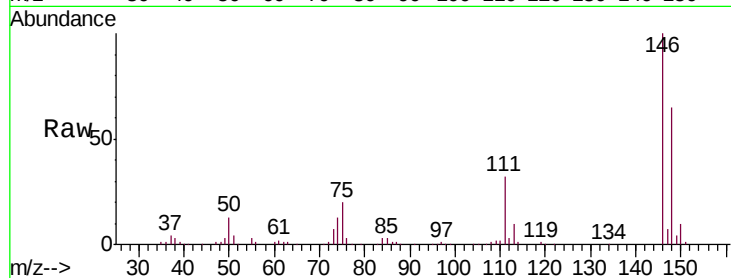




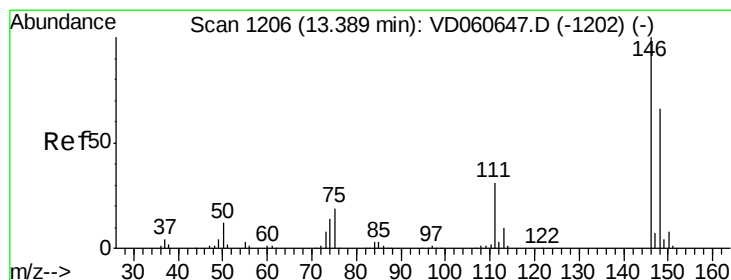
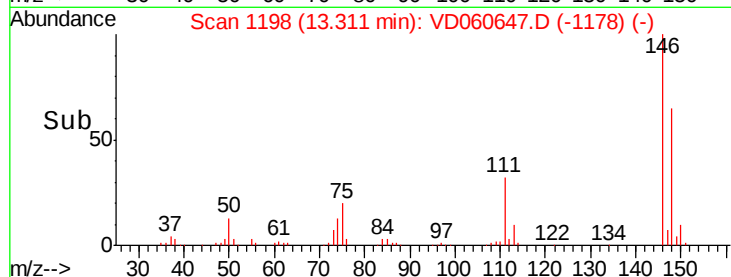
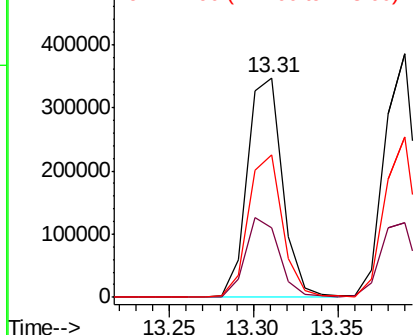
#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 505016
 Ion Ratio Lower Upper
 146 100
 111 31.8 15.9 47.7
 148 64.7 32.4 97.0

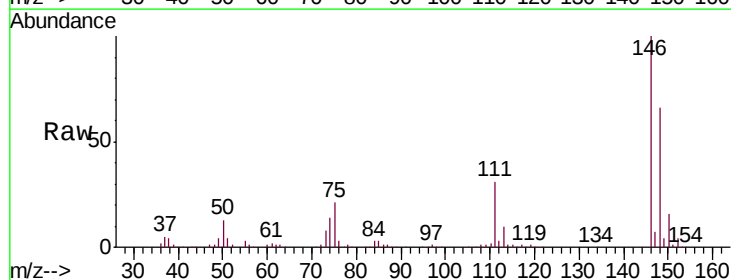


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

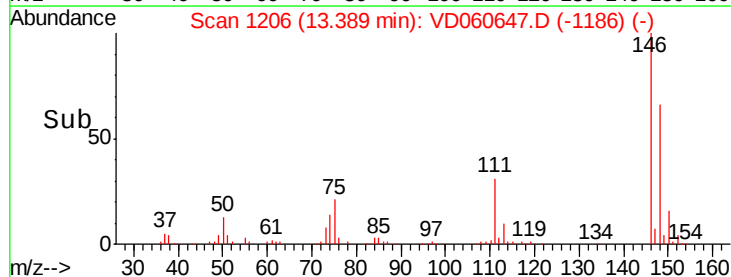
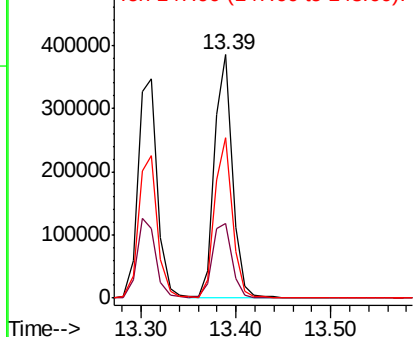


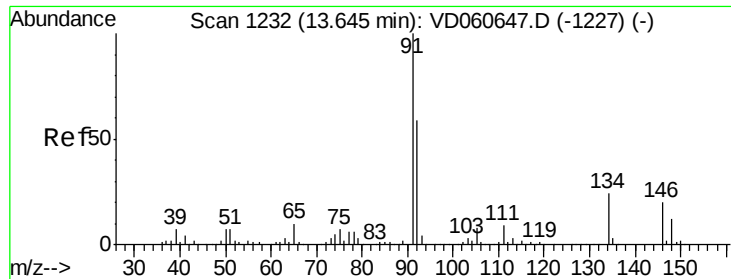
#88
 1,4-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion:146 Resp: 510230
 Ion Ratio Lower Upper
 146 100
 111 30.8 15.4 46.2
 148 65.8 32.9 98.7



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

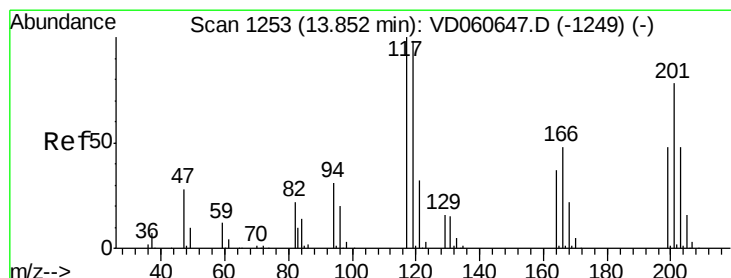
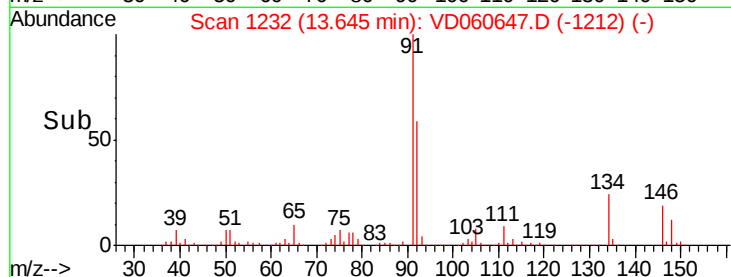
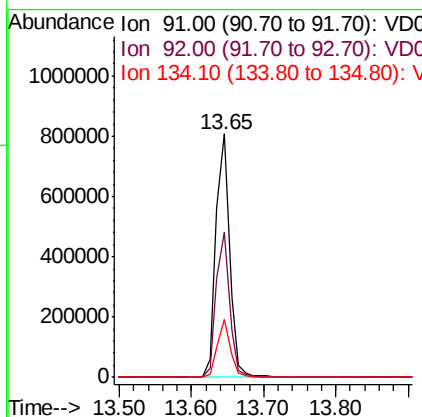
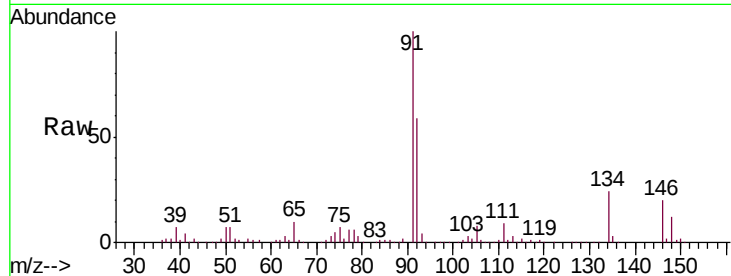




#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

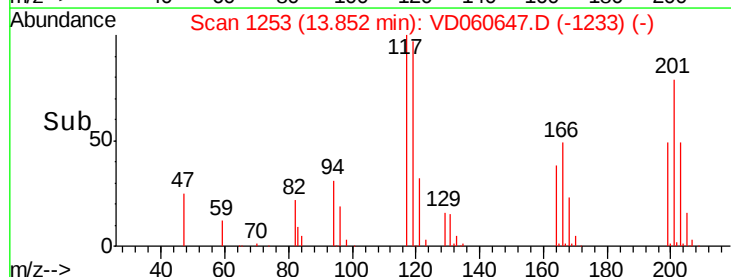
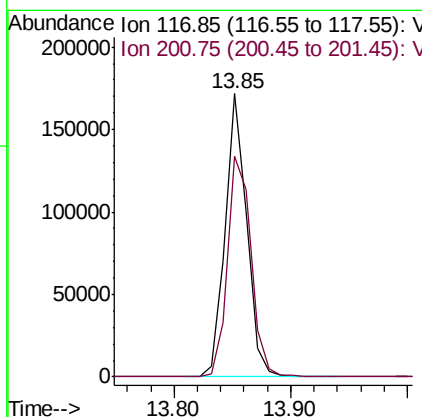
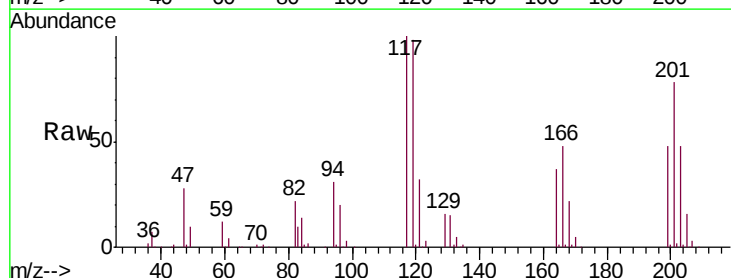
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

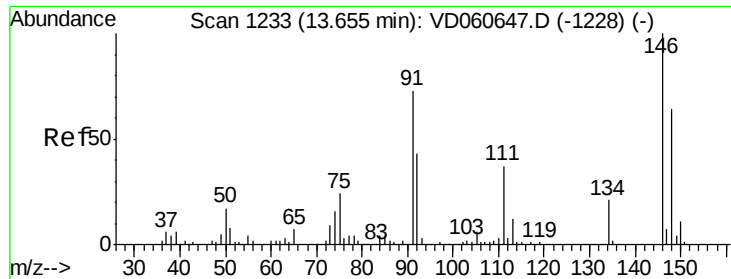
Tgt Ion: 91 Resp: 1051048
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 24.0 12.0 36.0



#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion: 117 Resp: 220012
Ion Ratio Lower Upper
117 100
201 77.9 39.0 116.9





#91

1,2-Dichlorobenzene

Concen: 50.000 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

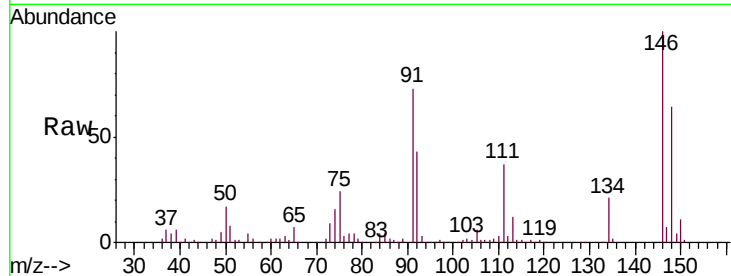
Tgt Ion:146 Resp: 461182

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.6

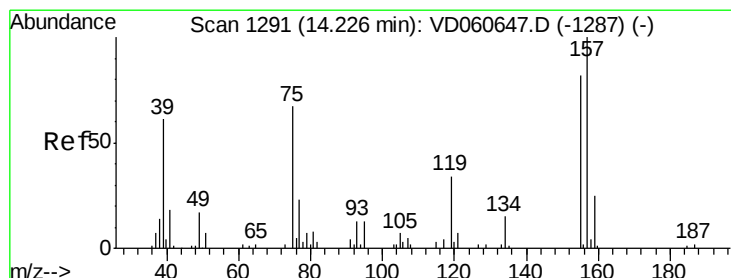
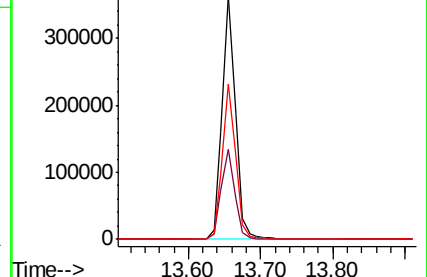
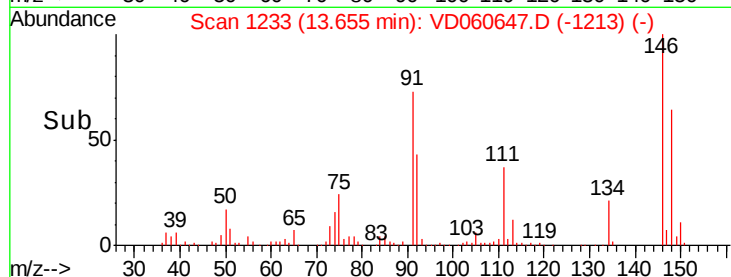
148 63.9 31.9 95.9



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: 50.000 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060647.D

Acq: 19 Dec 2018 19:33

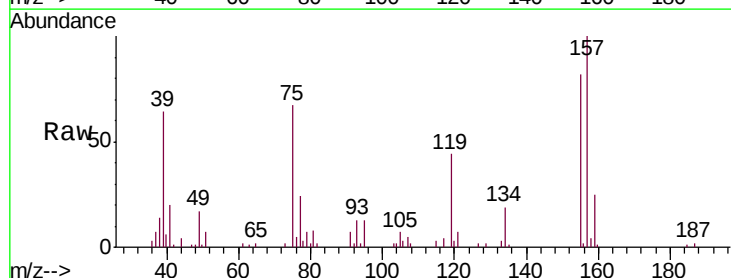
Tgt Ion: 75 Resp: 24366

Ion Ratio Lower Upper

75 100

155 123.2 61.6 184.8

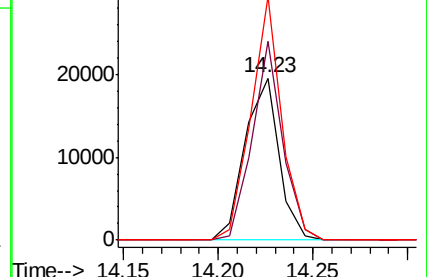
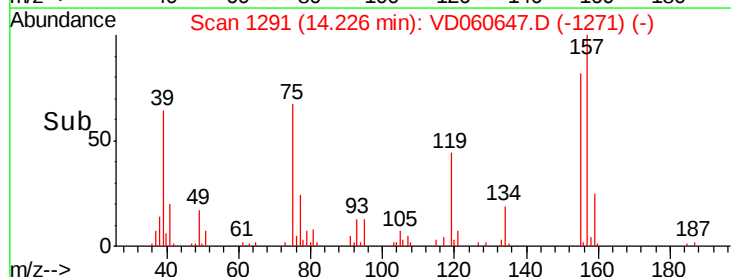
157 150.4 75.2 225.6

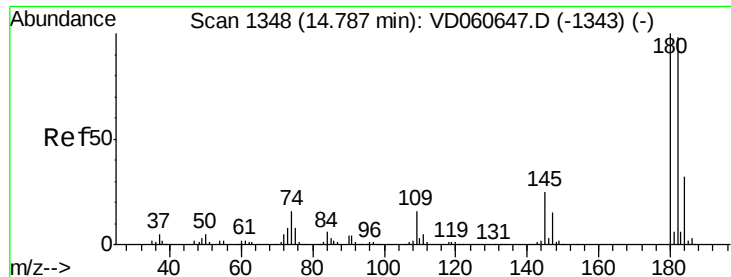


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

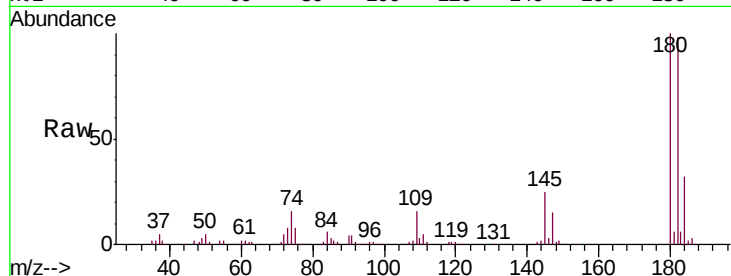




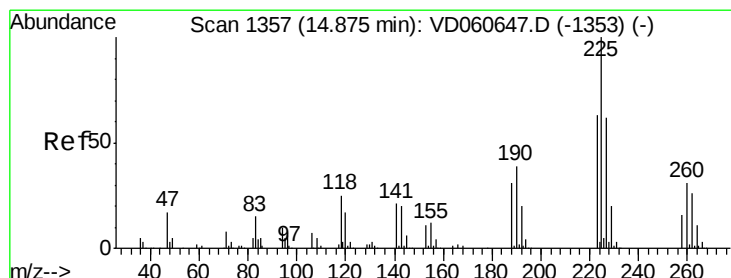
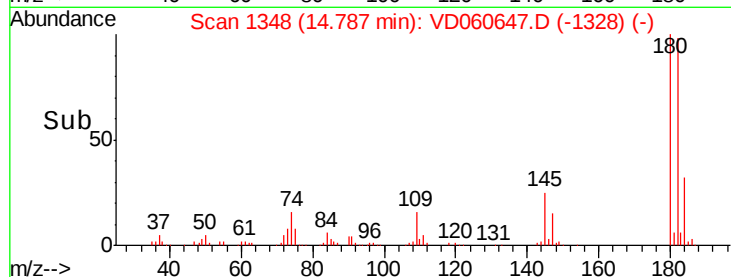
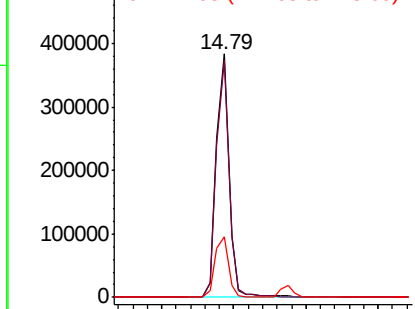
#93
 1,2,4-Trichlorobenzene
 Concen: 50.000 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 469485
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.8 146.3
 145 25.1 12.6 37.6

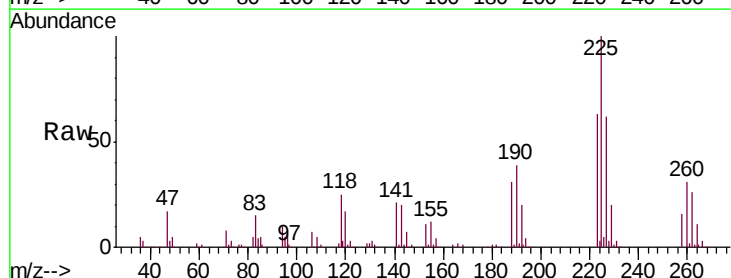


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

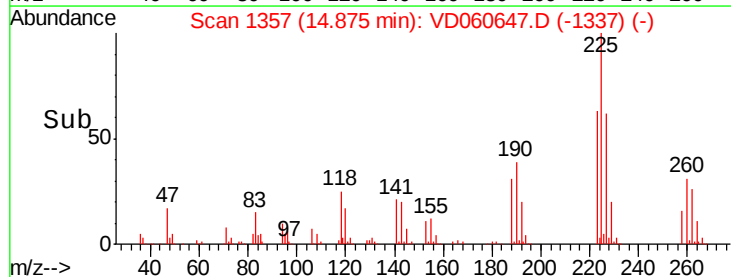
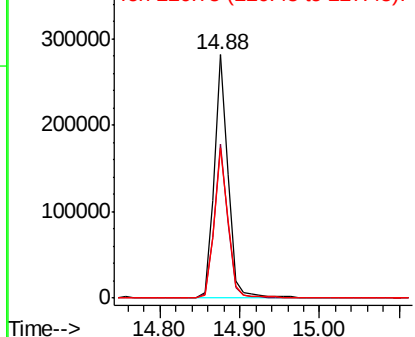


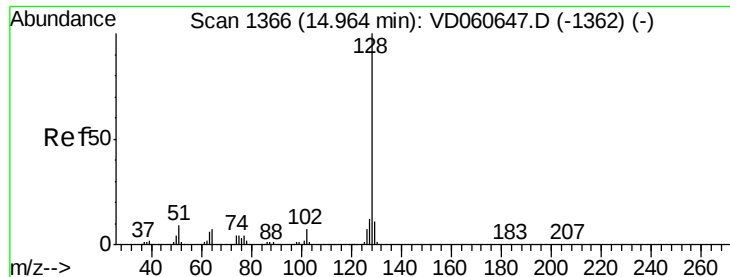
#94
 Hexachlorobutadiene
 Concen: 50.000 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060647.D
 Acq: 19 Dec 2018 19:33

Tgt Ion:225 Resp: 348151
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 94.7
 227 61.7 30.9 92.5



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

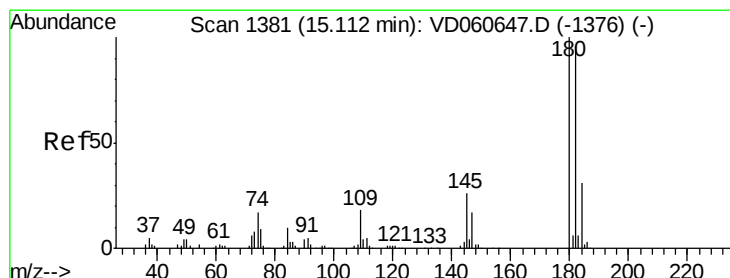
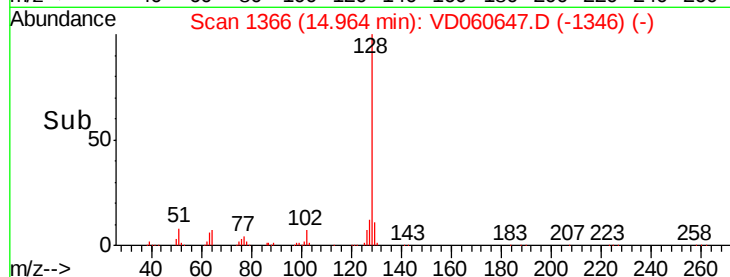
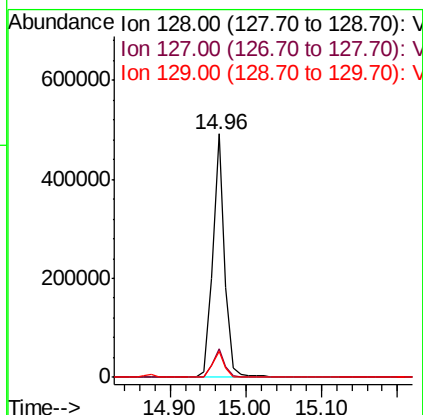
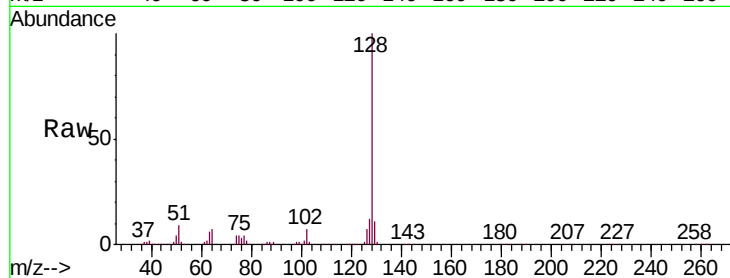




#95
Naphthalene
Concen: 50.000 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 553431
Ion Ratio Lower Upper
128 100
127 11.7 9.4 14.0
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.000 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD060647.D
Acq: 19 Dec 2018 19:33

Tgt Ion:180 Resp: 383340
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 26.4 13.2 39.6

