

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060890.D
 Acq On : 21 Feb 2019 19:21
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 22 07:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.77	168	2014762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.95	114	2874174	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	2402069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	1239529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.19	65	1423250	69.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.96%	
35) Dibromofluoromethane	6.65	113	2137041	97.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.26%	
50) Toluene-d8	10.18	98	5322249	97.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.90%	
62) 4-Bromofluorobenzene	13.35	95	2030278	87.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	2088117	72.978	ug/l	99
3) Chloromethane	1.73	50	1253402	69.160	ug/l	99
4) Vinyl Chloride	1.82	62	1188413	78.364	ug/l	100
7) Trichlorofluoromethane	2.46	101	1483321	46.320	ug/l	100
8) Diethyl Ether	2.77	74	746148	143.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.03	101	2088010	118.727	ug/l	100
10) Methyl Iodide	3.19	142	3524941	168.799	ug/l	100
11) Tert butyl alcohol	3.88	59	490296	440.749	ug/l	99
12) 1,1-Dichloroethene	3.02	96	1781535	140.857	ug/l	95
13) Acrolein	2.93	56	797998	744.587	ug/l	97
14) Allyl chloride	3.47	41	2880712	101.337	ug/l	98
15) Acrylonitrile	4.01	53	1695211	416.452	ug/l	99
16) Acetone	3.11	43	2109768	483.169	ug/l	99
17) Carbon Disulfide	3.26	76	6998757	150.225	ug/l	99
18) Methyl Acetate	3.49	43	793477	108.489	ug/l	97
19) Methyl tert-butyl Ether	4.04	73	3660209	85.817	ug/l	100
20) Methylene Chloride	3.65	84	2253243	82.618	ug/l	97
21) trans-1,2-Dichloroethene	4.03	96	2003487	94.788	ug/l	97
22) Diisopropyl ether	4.85	45	6219277	81.542	ug/l	99
23) Vinyl Acetate	4.80	43	16035917	355.124	ug/l	98
24) 1,1-Dichloroethane	4.74	63	3126103	76.292	ug/l	99
25) 2-Butanone	5.81	43	2623121	404.663	ug/l	98
26) 2,2-Dichloropropane	5.76	77	2792035	72.588	ug/l	99
27) cis-1,2-Dichloroethene	5.78	96	2174977	99.371	ug/l	96
28) Bromochloromethane	6.17	49	1472306	84.225	ug/l	99
29) Tetrahydrofuran	6.19	42	1401262	434.978	ug/l	98
30) Chloroform	6.40	83	3798562	88.092	ug/l	95
31) Cyclohexane	6.69	56	2462759	71.590	ug/l	97
32) 1,1,1-Trichloroethane	6.61	97	2868089	75.838	ug/l	99
36) 1,1-Dichloropropene	6.89	75	2768960	79.034	ug/l	99
37) Ethyl Acetate	5.91	43	1245043	69.267	ug/l	98
38) Carbon Tetrachloride	6.86	117	2430472	67.877	ug/l	97
39) Methylcyclohexane	8.61	83	2838494	83.380	ug/l	96
40) Benzene	7.19	78	6956903	87.825	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	6.18	41	784624m	63.979	ug/l	
42) 1,2-Dichloroethane	7.31	62	1872501	61.519	ug/l	99
43) Isopropyl Acetate	8.99	43	1810431	79.283	ug/l #	97
44) Trichloroethene	8.29	130	2300961	97.519	ug/l	95
45) 1,2-Dichloropropane	8.69	63	1681689	79.522	ug/l	100
46) Dibromomethane	8.82	93	1169377	86.231	ug/l	97
47) Bromodichloromethane	9.12	83	2809668	82.798	ug/l	100
48) Methyl methacrylate	8.87	41	1028296	66.821	ug/l	93
49) 1,4-Dioxane	8.84	88	241034	2112.188	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	5190985	352.862	ug/l	98
52) Toluene	10.28	92	4190709	91.908	ug/l	100
53) t-1,3-Dichloropropene	10.68	75	2567187	84.533	ug/l	100
54) cis-1,3-Dichloropropene	9.79	75	2907797	83.472	ug/l	96
55) 1,1,2-Trichloroethane	10.96	97	1314666	97.068	ug/l	97
56) Ethyl methacrylate	10.81	69	1456552	84.099	ug/l	98
57) 1,3-Dichloropropane	11.18	76	2206310	89.097	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.62	63	3544710	405.812	ug/l	99
59) 2-Hexanone	11.31	43	3933538	363.020	ug/l	99
60) Dibromochloromethane	11.46	129	2095757	96.035	ug/l	99
61) 1,2-Dibromoethane	11.59	107	1529791	95.323	ug/l	98
64) Tetrachloroethene	11.02	164	1993491	88.336	ug/l	98
65) Chlorobenzene	12.19	112	4494337	90.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	1729316	80.230	ug/l	99
67) Ethyl Benzene	12.31	91	6857008	72.902	ug/l	99
68) m/p-Xylenes	12.45	106	4538614	143.570	ug/l	100
69) o-Xylene	12.84	106	2440329	81.162	ug/l	98
70) Styrene	12.87	104	4099229	84.451	ug/l	99
71) Bromoform	13.02	173	1416707	90.041	ug/l	100
73) Isopropylbenzene	13.20	105	6500123	71.869	ug/l	99
74) N-amyl acetate	13.06	43	2270780	69.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	1576044	87.965	ug/l	99
76) 1,2,3-Trichloropropane	13.52	75	1556065	76.235	ug/l	98
77) Bromobenzene	13.47	156	2199351	88.303	ug/l	99
78) n-propylbenzene	13.57	91	8169068	69.429	ug/l	98
79) 2-Chlorotoluene	13.63	91	4648671	71.398	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	5003186	66.702	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	498477	92.495	ug/l	95
82) 4-Chlorotoluene	13.74	91	4844466	65.464	ug/l	99
83) tert-Butylbenzene	13.99	119	6029880	72.203	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	5003186	66.702	ug/l	99
85) sec-Butylbenzene	14.16	105	6537024	71.493	ug/l	98
86) p-Isopropyltoluene	14.29	119	5715614	74.520	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	3886247	90.352	ug/l	99
88) 1,4-Dichlorobenzene	14.33	146	3814988	88.103	ug/l	98
89) n-Butylbenzene	14.60	91	4858556	62.018	ug/l	100
90) Hexachloroethane	14.80	117	1644417	79.613	ug/l	94
91) 1,2-Dichlorobenzene	14.61	146	2715143	73.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.18	75	226210	77.072	ug/l	97
93) 1,2,4-Trichlorobenzene	15.75	180	2273532	74.727	ug/l	98
94) Hexachlorobutadiene	15.84	225	1525791	57.914	ug/l	97

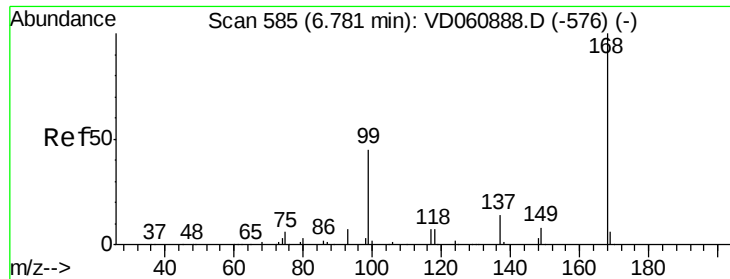
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.93	128	3317604	81.749	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	1654507	67.285	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.77 min Scan# 584

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

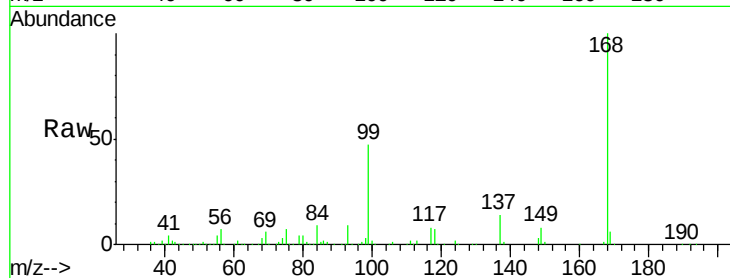
VSTDIC100

Tot Ion:168 Resp: 2014762

Ion Ratio Lower Upper

168 100

99 47.4 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.77

800000

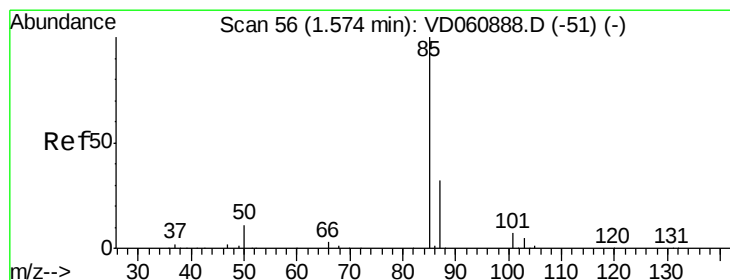
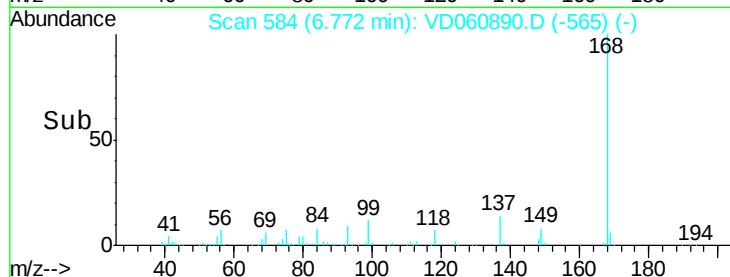
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 72.978 ug/l

RT: 1.56 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060890.D

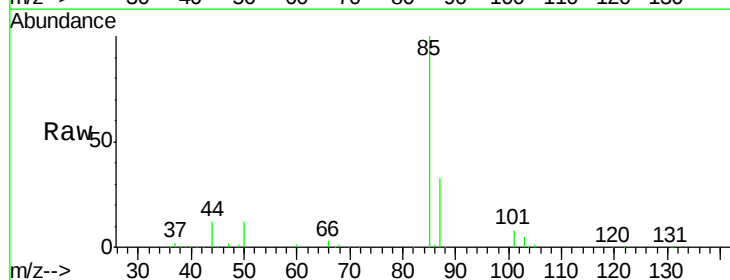
Acq: 21 Feb 2019 19:21

Tgt Ion: 85 Resp: 2088117

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

1000000

800000

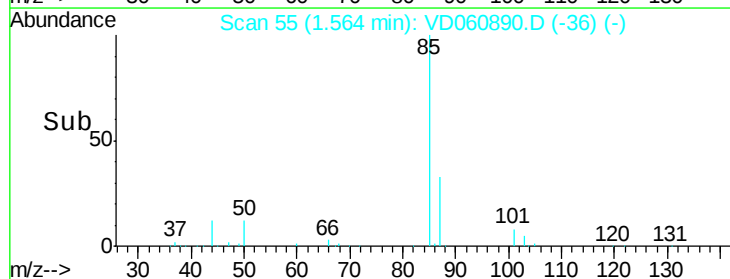
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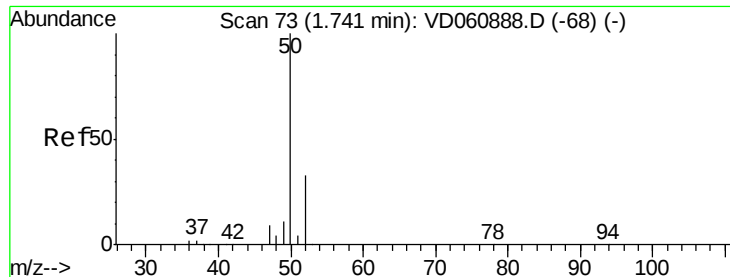
400000

200000

0

Time-->





#3

Chloromethane

Concen: 69.160 ug/l

RT: 1.73 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

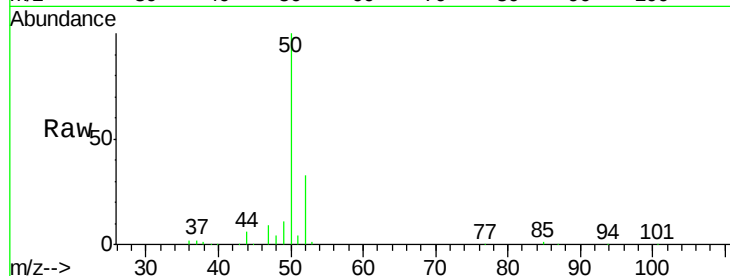
VSTDIC100

Tot Ion: 50 Resp: 1253402

Ion Ratio Lower Upper

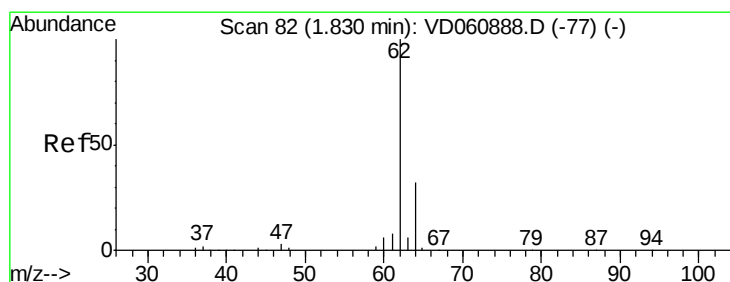
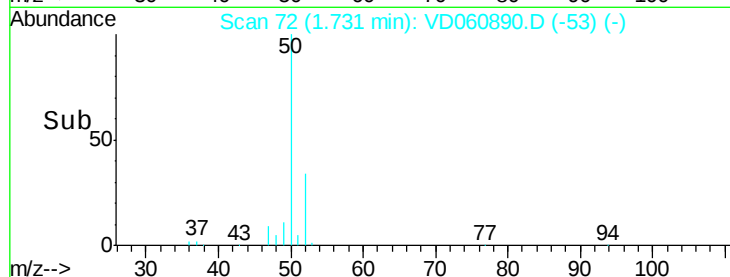
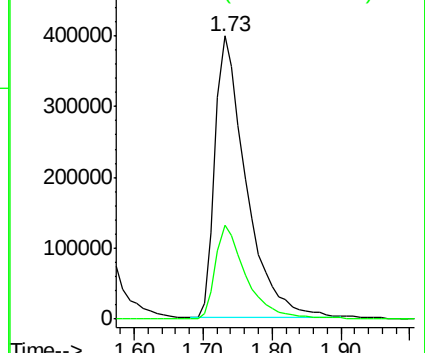
50 100

52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 78.364 ug/l

RT: 1.82 min Scan# 81

Delta R.T. -0.01 min

Lab File: VD060890.D

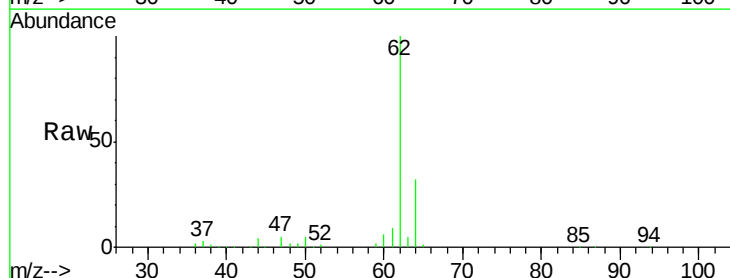
Acq: 21 Feb 2019 19:21

Tgt Ion: 62 Resp: 1188413

Ion Ratio Lower Upper

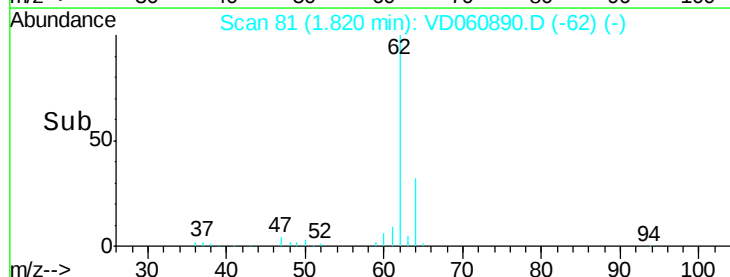
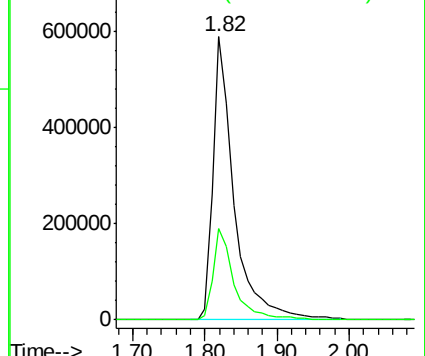
62 100

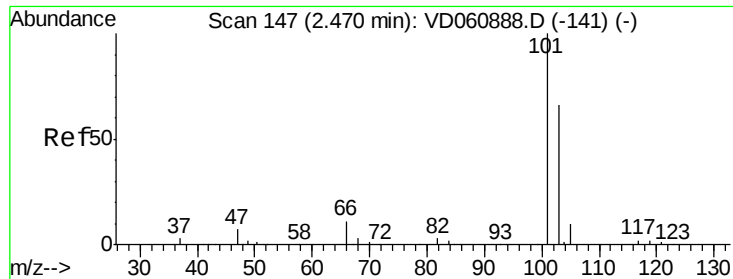
64 32.2 26.0 39.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



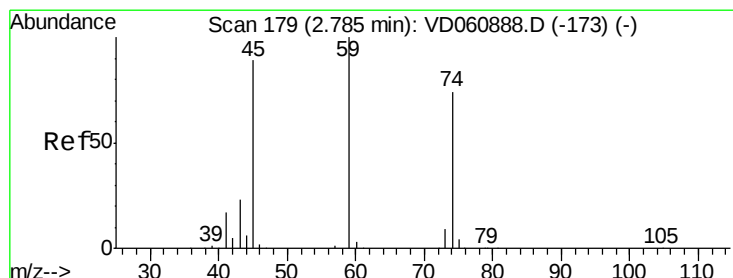
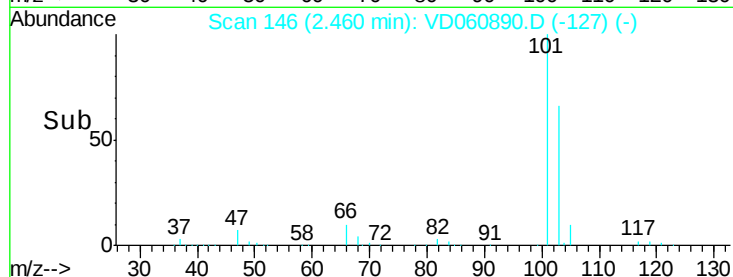
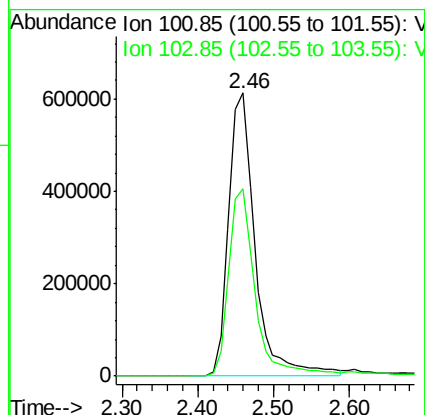
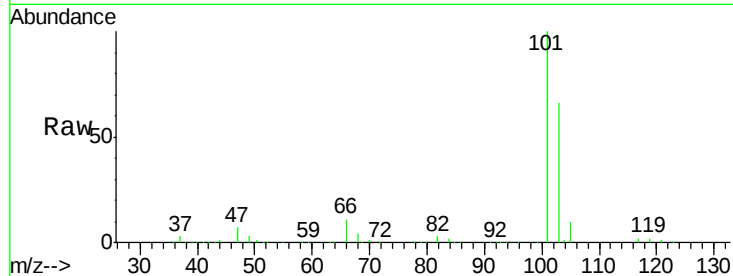


#7

Trichlorofluoromethane
Concen: 46.320 ug/l
RT: 2.46 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
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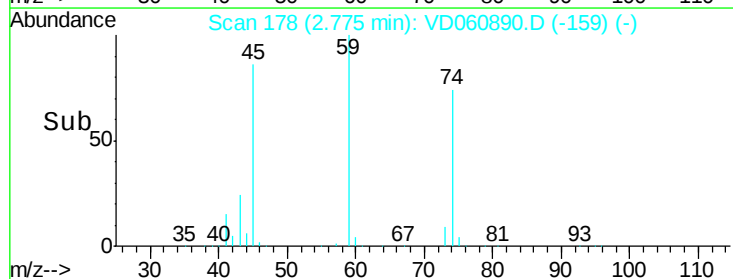
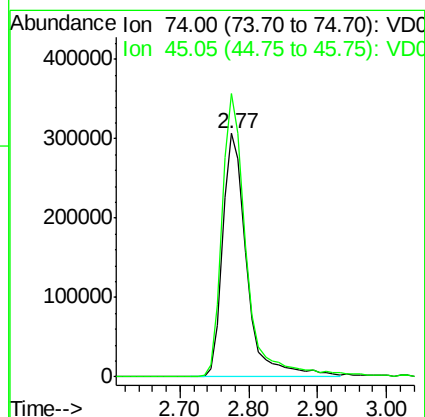
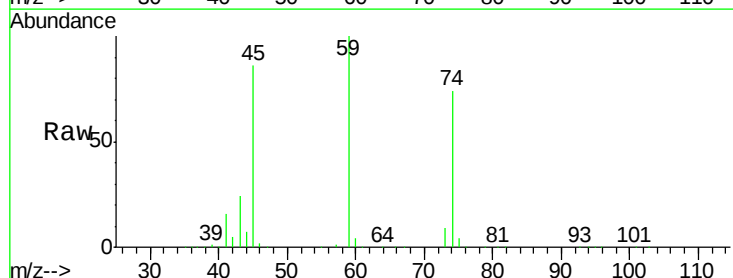
Tot Ion:101 Resp: 1483321
Ion Ratio Lower Upper
101 100
103 66.0 52.6 79.0

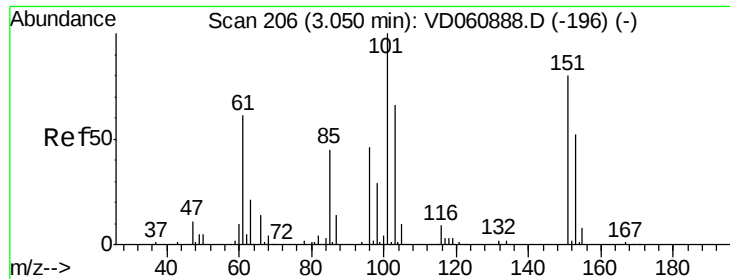


#8

Diethyl Ether
Concen: 143.785 ug/l
RT: 2.77 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 74 Resp: 746148
Ion Ratio Lower Upper
74 100
45 116.3 60.2 180.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 118.727 ug/l

RT: 3.03 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

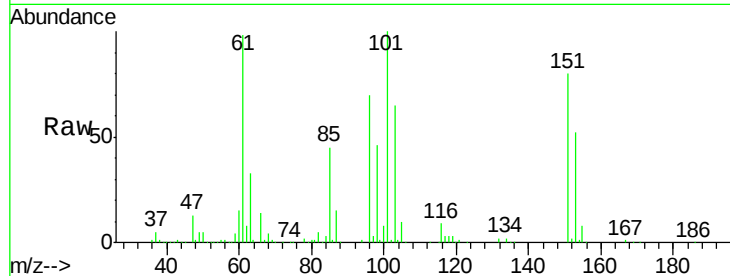
Tot Ion:101 Resp: 2088010

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

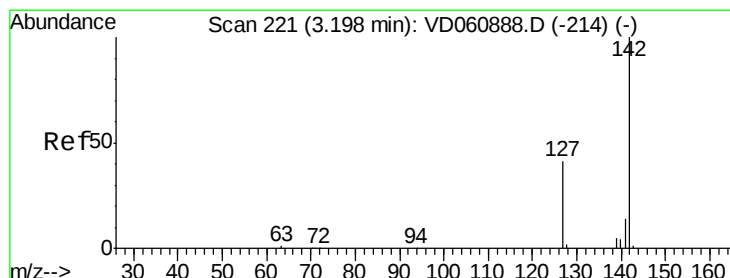
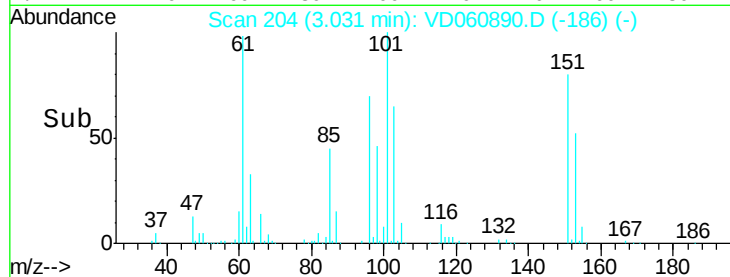
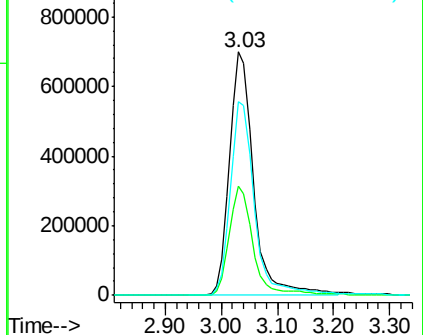
151 79.6 63.7 95.5



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: 168.799 ug/l

RT: 3.19 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

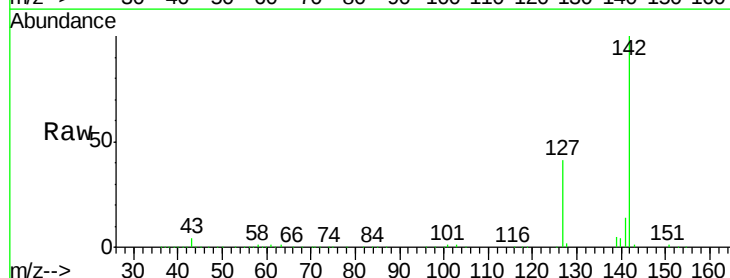
Tgt Ion:142 Resp: 3524941

Ion Ratio Lower Upper

142 100

127 41.4 33.0 49.4

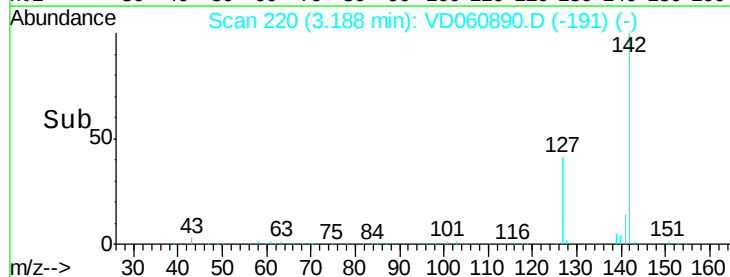
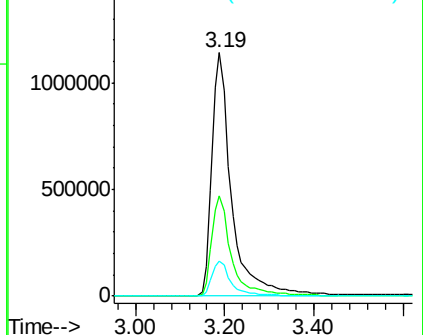
141 14.4 11.4 17.2

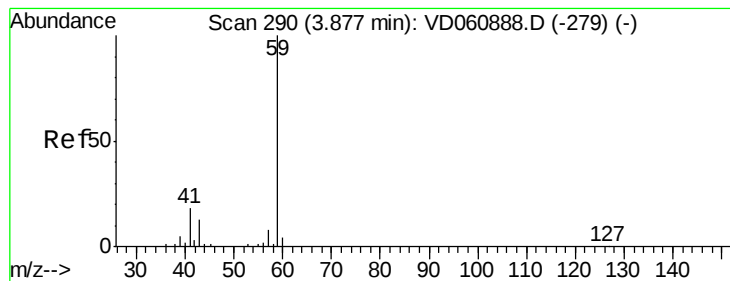


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 440.749 ug/l

RT: 3.88 min Scan# 290

Delta R.T. -0.00 min

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Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

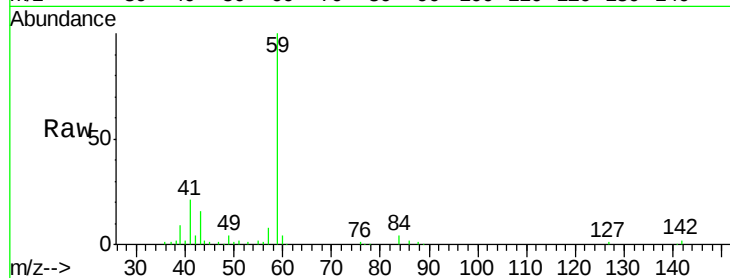
VSTDIC100

Tot Ion: 59 Resp: 490296

Ion Ratio Lower Upper

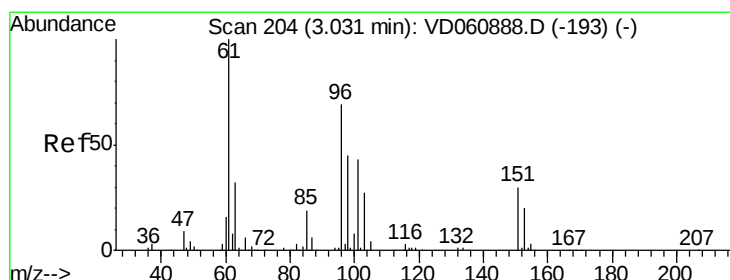
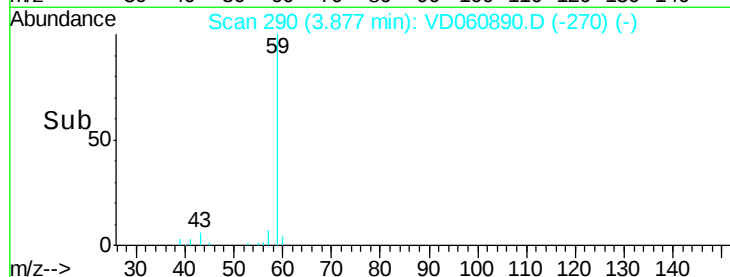
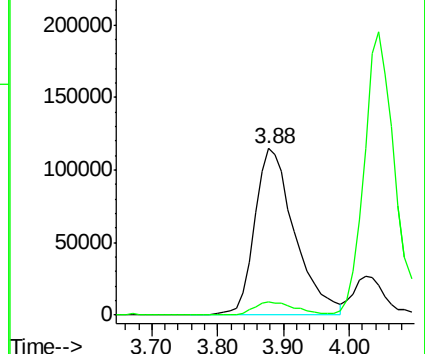
59 100

57 7.7 6.3 9.5



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 140.857 ug/l

RT: 3.02 min Scan# 203

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

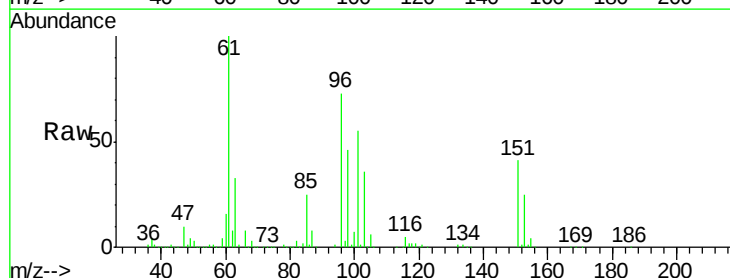
Tgt Ion: 96 Resp: 1781535

Ion Ratio Lower Upper

96 100

61 137.2 116.1 174.1

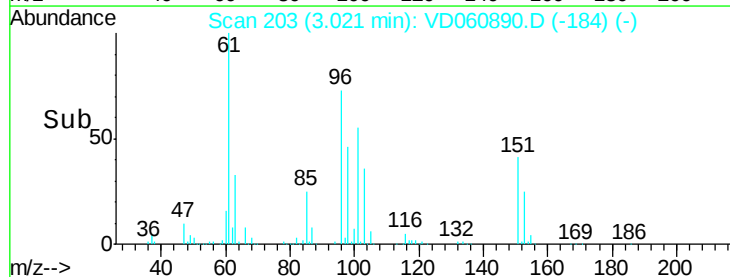
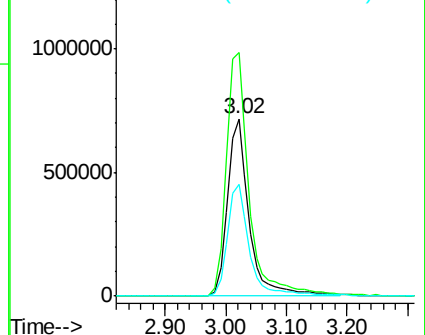
98 63.2 51.8 77.6

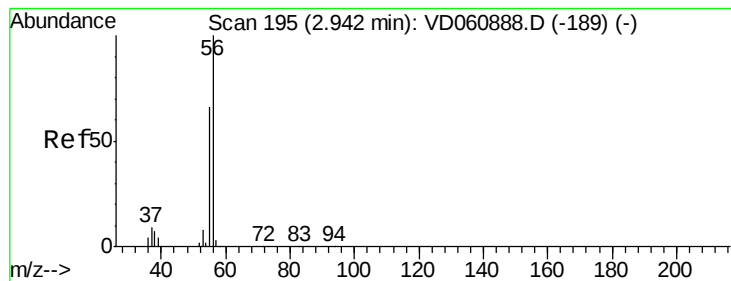


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 744.587 ug/l

RT: 2.93 min Scan# 194

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

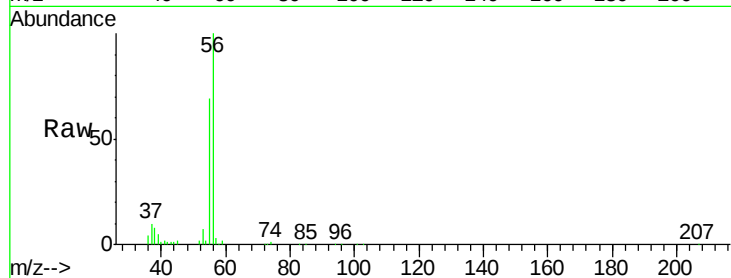
VSTDIC100

Tot Ion: 56 Resp: 797998

Ion Ratio Lower Upper

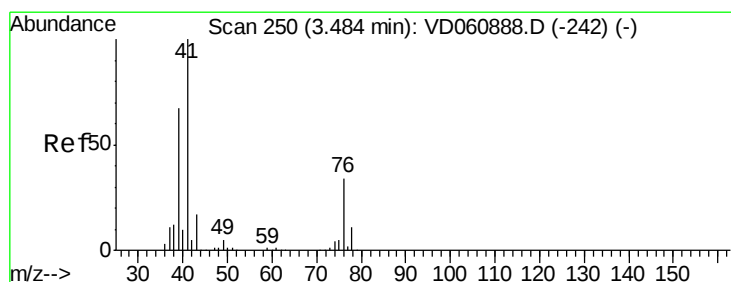
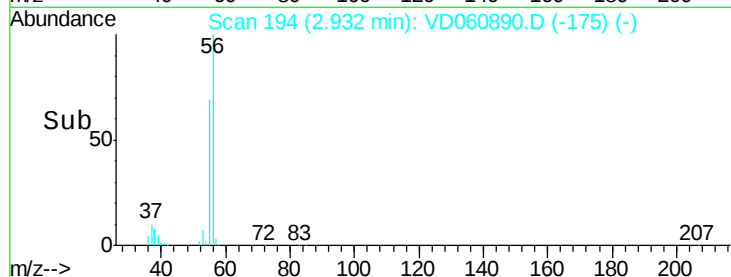
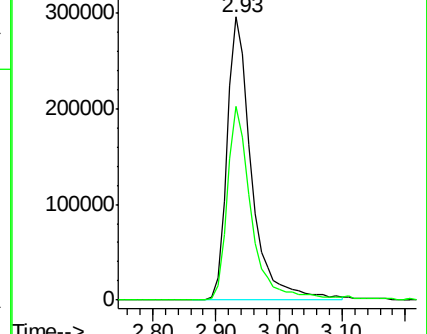
56 100

55 68.6 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 101.337 ug/l

RT: 3.47 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

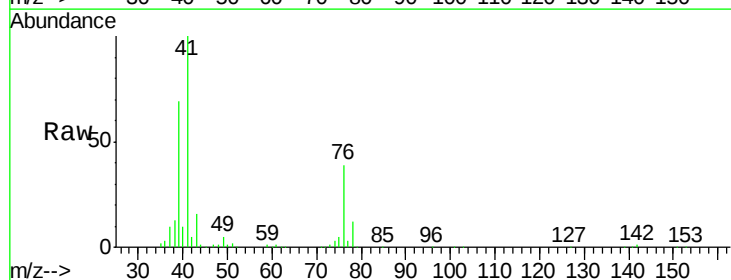
Tgt Ion: 41 Resp: 2880712

Ion Ratio Lower Upper

41 100

39 68.9 53.7 80.5

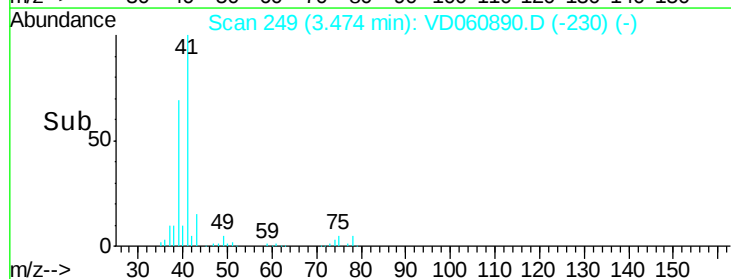
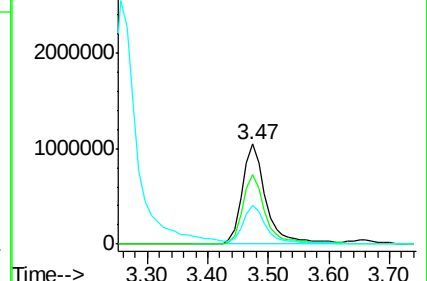
76 38.9 30.9 46.3

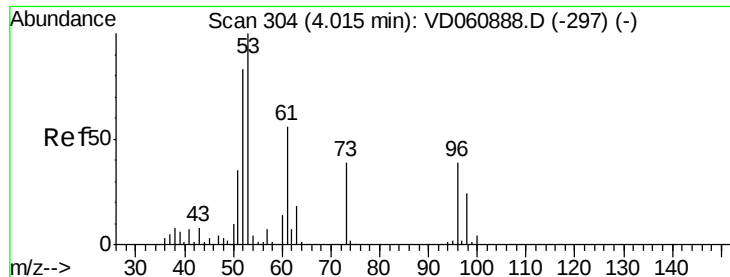


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 416.452 ug/l

RT: 4.01 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

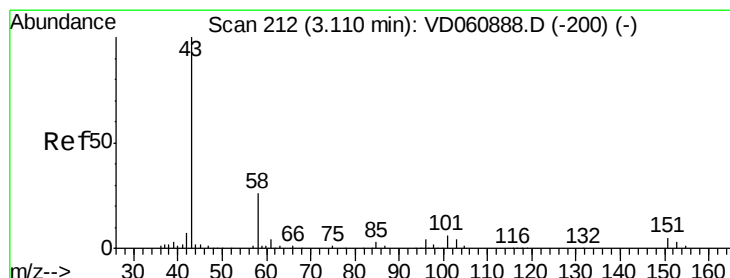
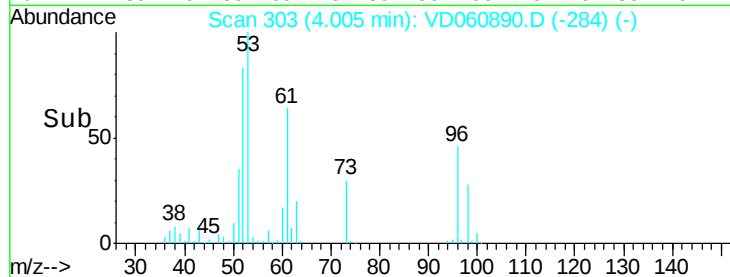
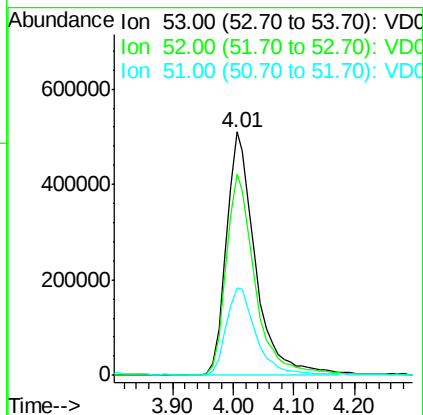
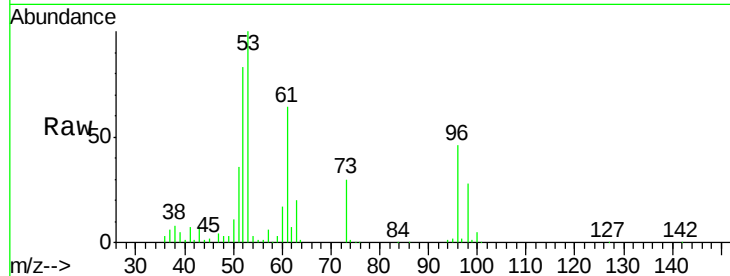
Tot Ion: 53 Resp: 1695211

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

51 35.8 28.4 42.6



#16

Acetone

Concen: 483.169 ug/l

RT: 3.11 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD060890.D

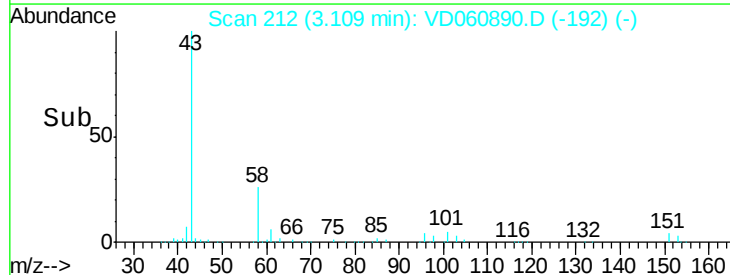
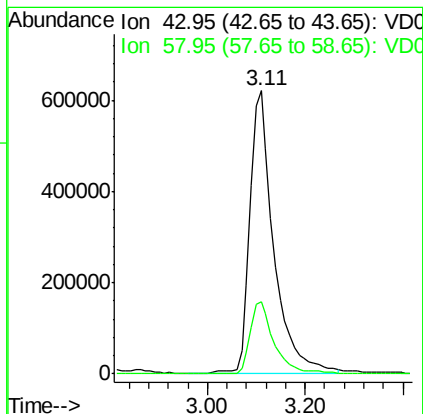
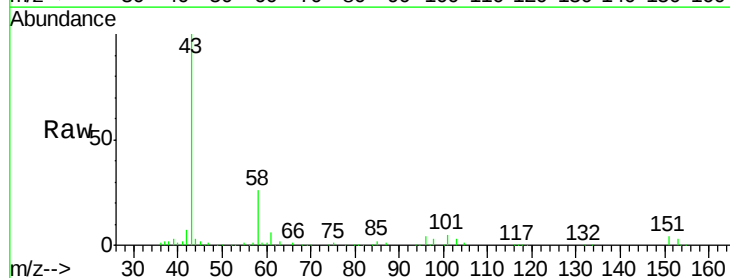
Acq: 21 Feb 2019 19:21

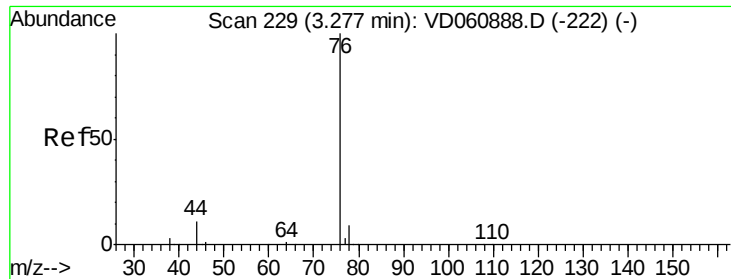
Tgt Ion: 43 Resp: 2109768

Ion Ratio Lower Upper

43 100

58 25.6 21.0 31.4





#17

Carbon Disulfide

Concen: 150.225 ug/l

RT: 3.26 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

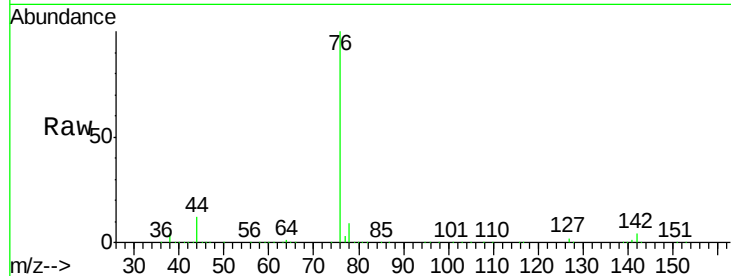
VSTDIC100

Tot Ion: 76 Resp: 6998757

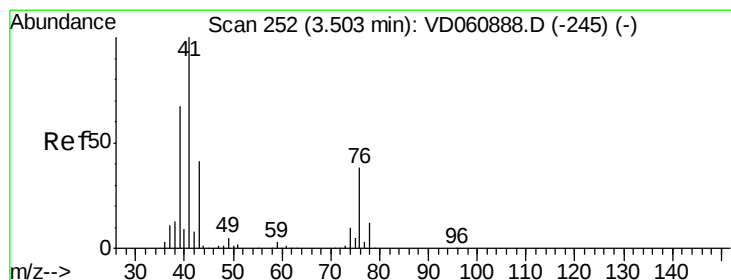
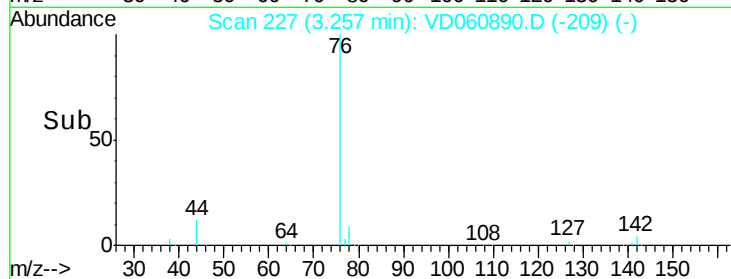
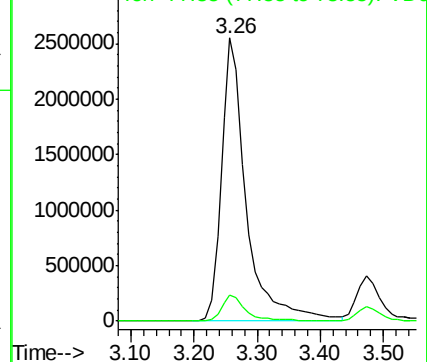
Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 108.489 ug/l

RT: 3.49 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD060890.D

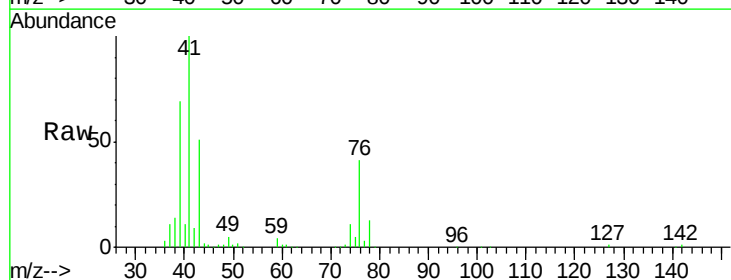
Acq: 21 Feb 2019 19:21

Tgt Ion: 43 Resp: 793477

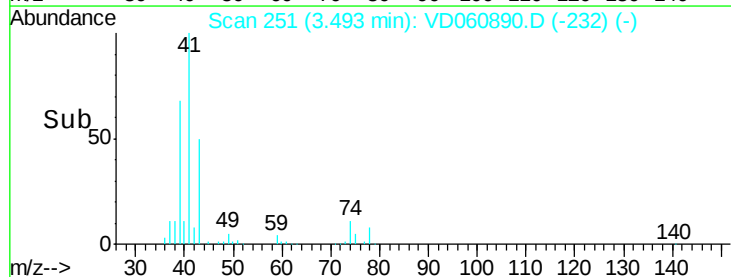
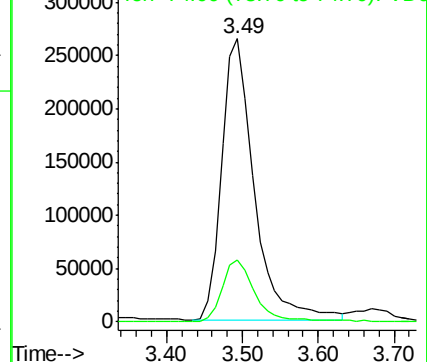
Ion Ratio Lower Upper

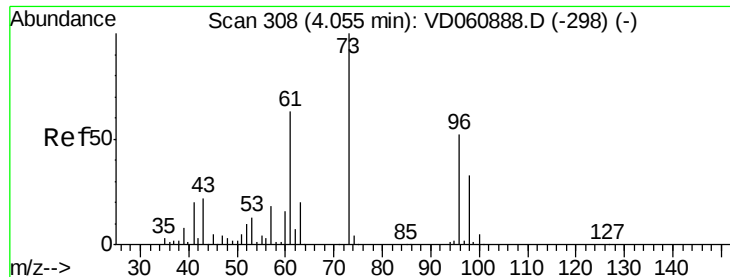
43 100

74 22.0 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



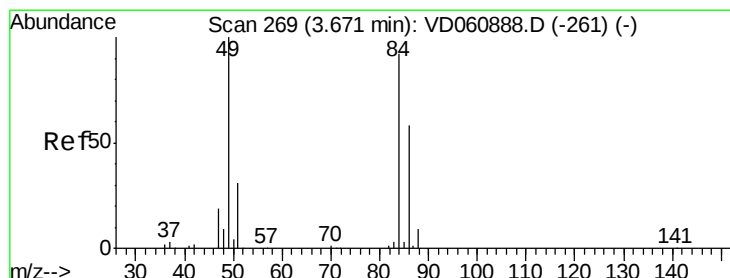
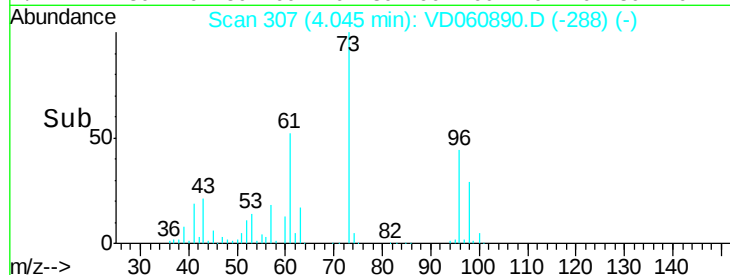
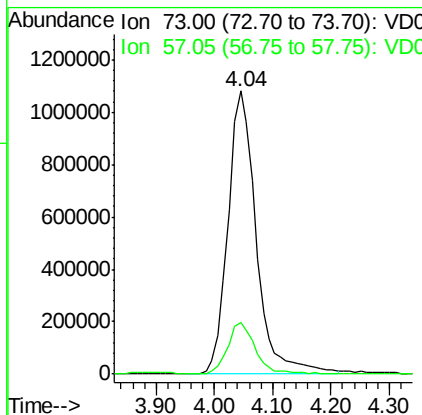
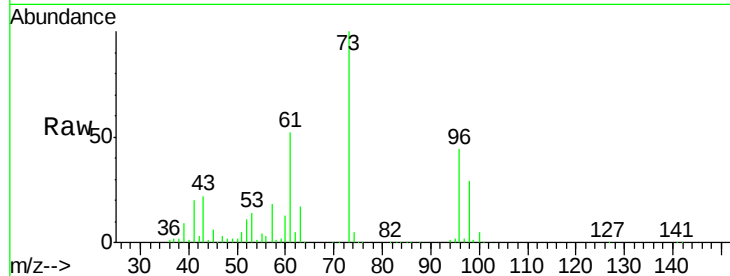


#19

Methyl tert-butyl Ether
 Concen: 85.817 ug/l
 RT: 4.04 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

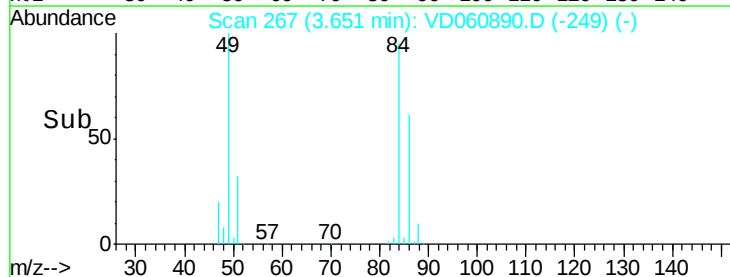
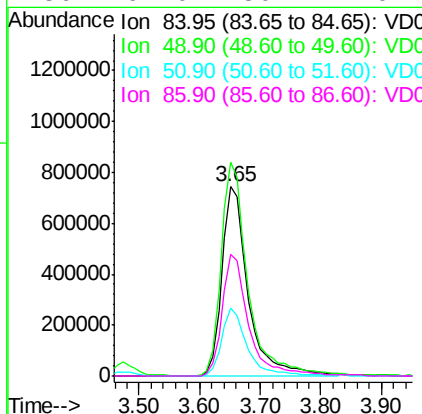
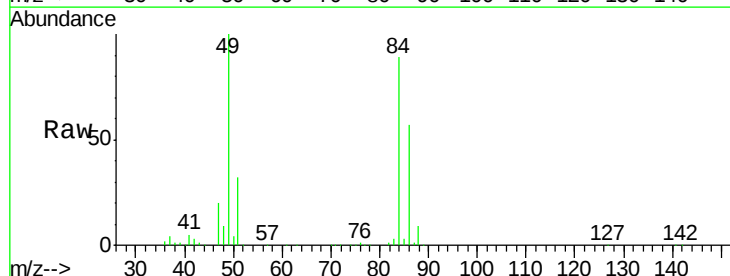
Tot Ion: 73 Resp: 3660209
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.5 21.7

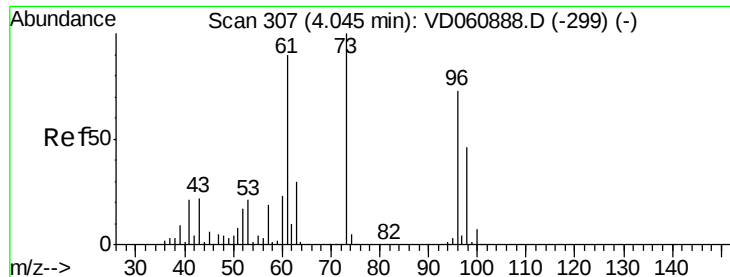


#20

Methylene Chloride
 Concen: 82.618 ug/l
 RT: 3.65 min Scan# 267
 Delta R.T. -0.02 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Tgt Ion: 84 Resp: 2253243
 Ion Ratio Lower Upper
 84 100
 49 112.8 87.2 130.8
 51 35.9 27.4 41.0
 86 64.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 94.788 ug/l

RT: 4.03 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

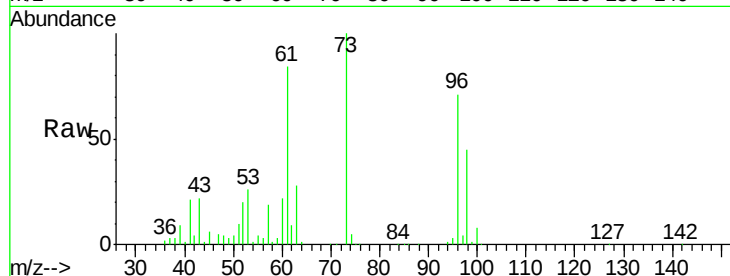
Tot Ion: 96 Resp: 2003487

Ion Ratio Lower Upper

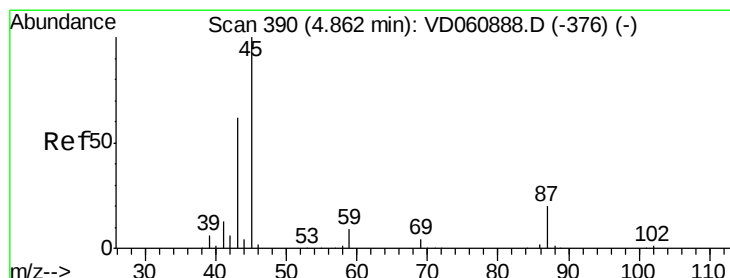
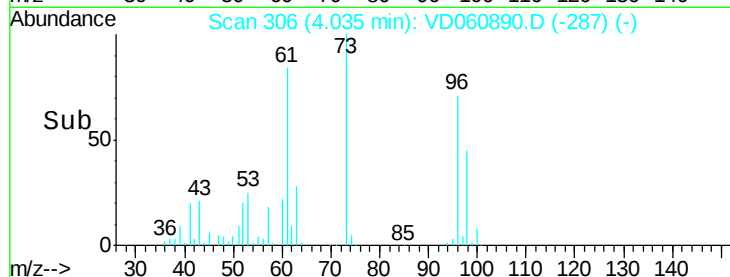
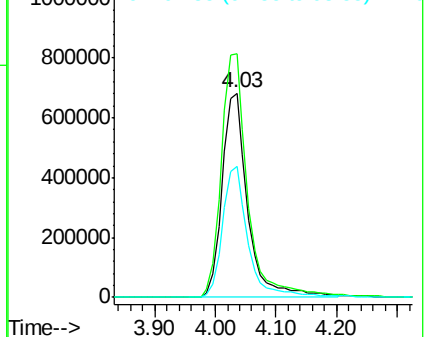
96 100

61 119.4 99.4 149.2

98 64.0 50.6 75.8



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



#22

Diisopropyl ether

Concen: 81.542 ug/l

RT: 4.85 min Scan# 389

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Tgt Ion: 45 Resp: 6219277

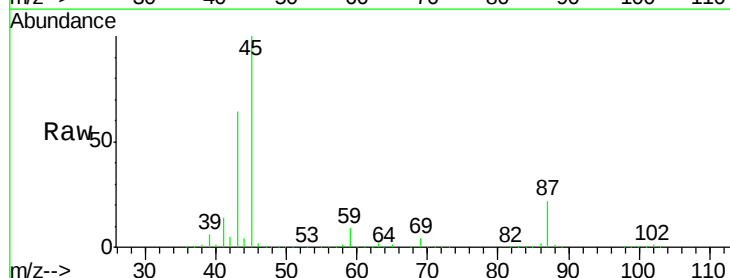
Ion Ratio Lower Upper

45 100

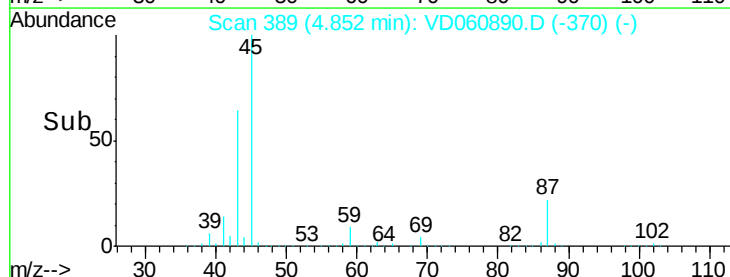
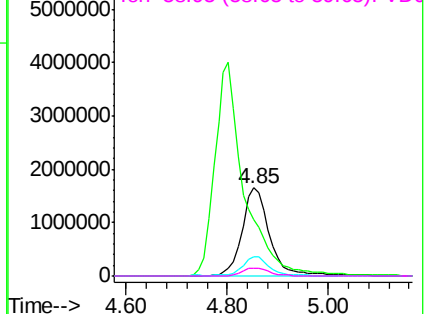
43 63.5 49.8 74.8

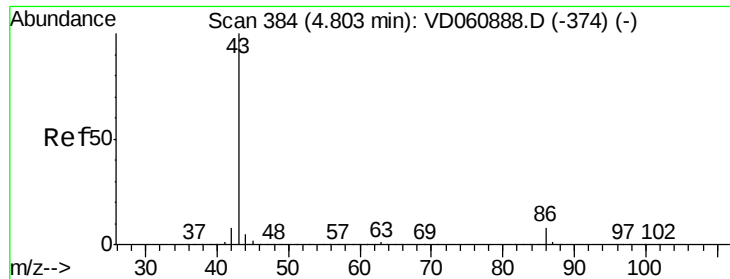
87 21.6 16.7 25.1

59 9.4 7.4 11.2



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 355.124 ug/l

RT: 4.80 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

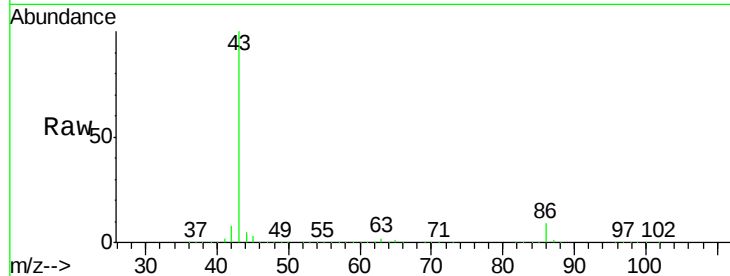
VSTDIC100

Tot Ion: 43 Resp:16035917

Ion Ratio Lower Upper

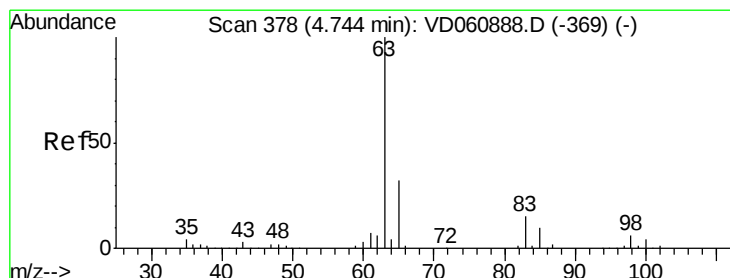
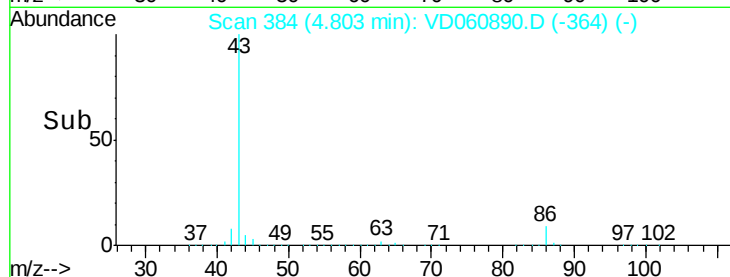
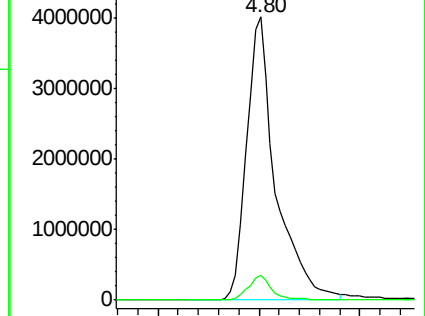
43 100

86 8.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 76.292 ug/l

RT: 4.74 min Scan# 378

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

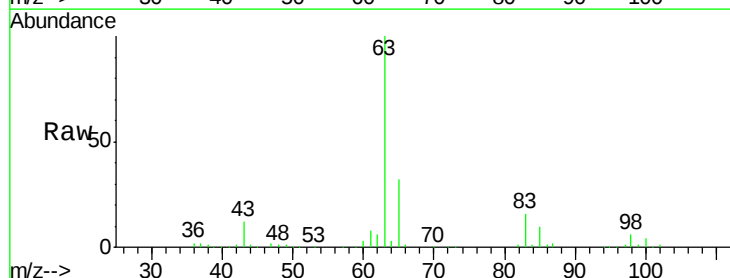
Tgt Ion: 63 Resp: 3126103

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

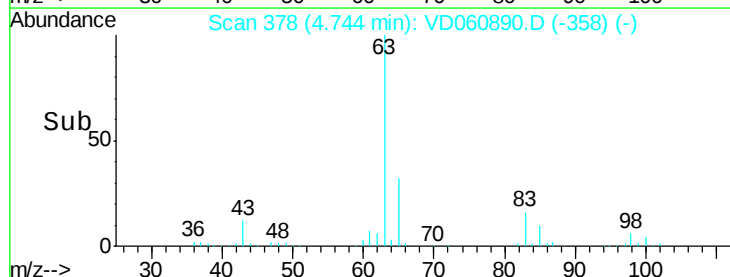
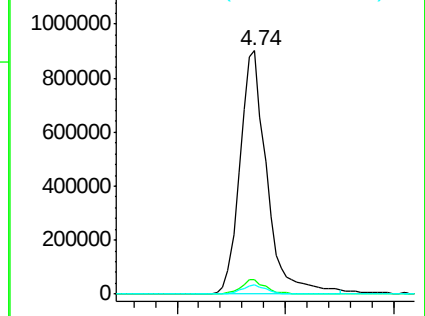
100 3.8 1.8 5.4

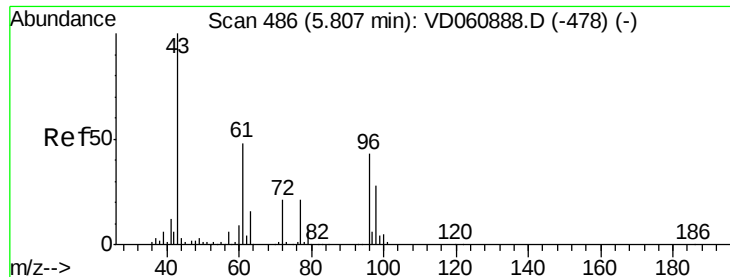


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 404.663 ug/l

RT: 5.81 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

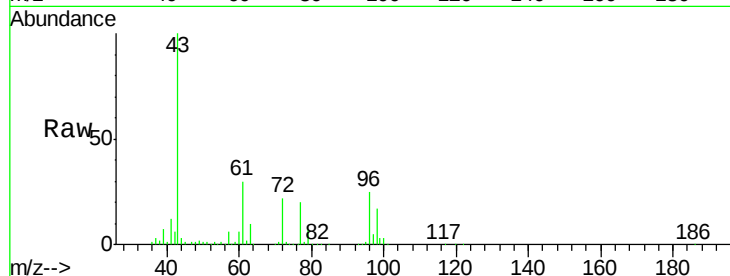
VSTDIC100

Tot Ion: 43 Resp: 2623121

Ion Ratio Lower Upper

43 100

72 22.3 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

800000

600000

400000

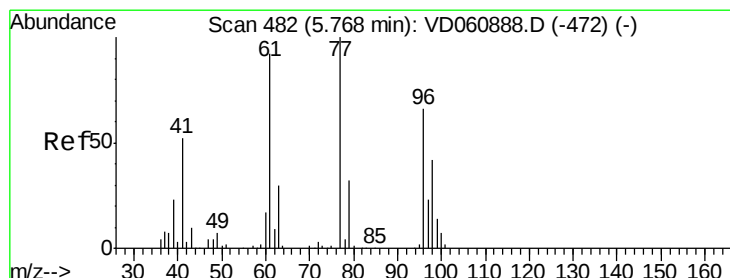
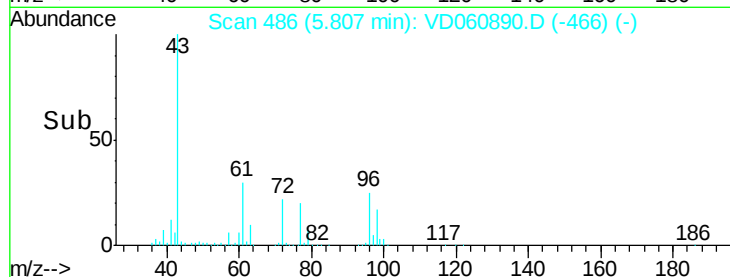
200000

0

5.70 5.80 5.90

5.81

Time-->



#26

2,2-Dichloropropane

Concen: 72.588 ug/l

RT: 5.76 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD060890.D

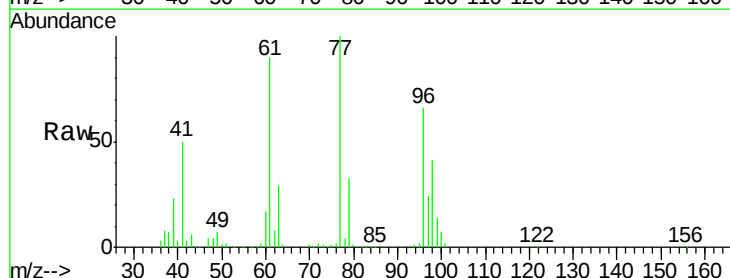
Acq: 21 Feb 2019 19:21

Tgt Ion: 77 Resp: 2792035

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

800000

600000

400000

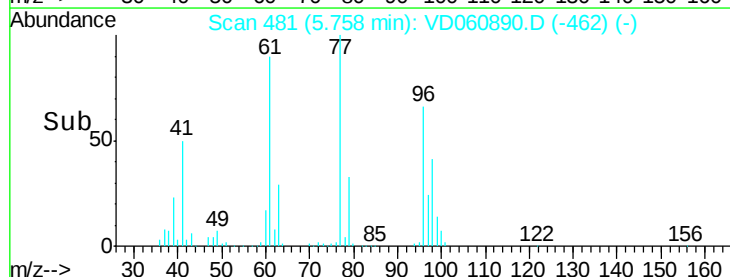
200000

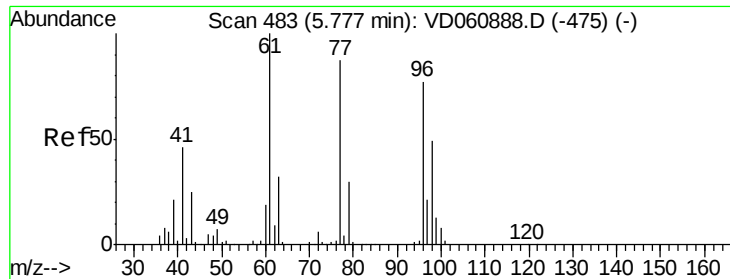
0

5.60 5.70 5.80 5.90 6.00

5.76

Time-->



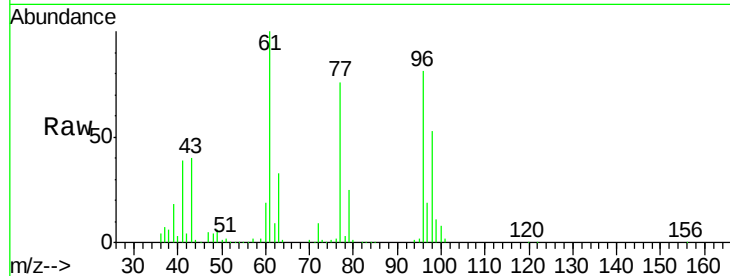


#27

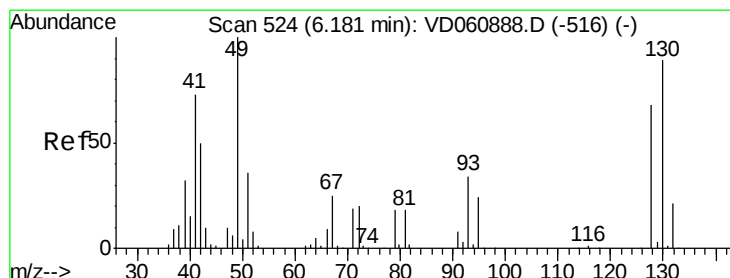
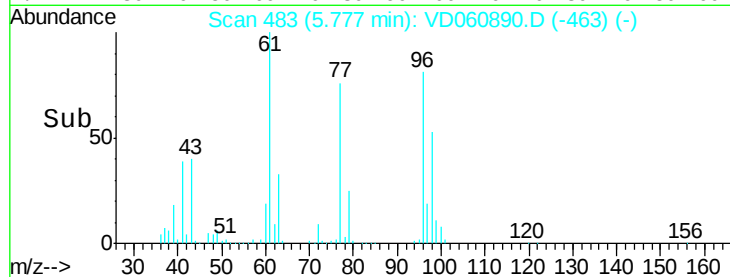
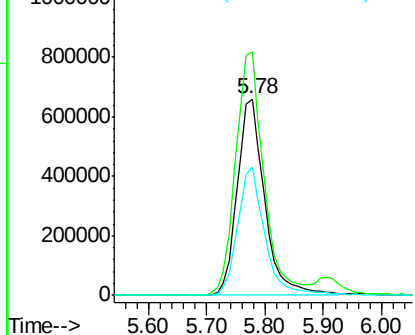
cis-1,2-Dichloroethene
 Concen: 99.371 ug/l
 RT: 5.78 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 96 Resp: 2174977
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 259.4
 98 65.3 0.0 127.4



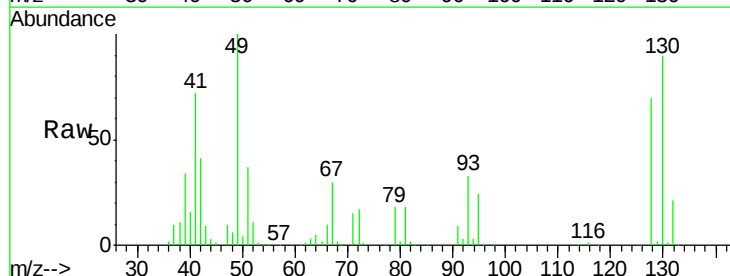
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



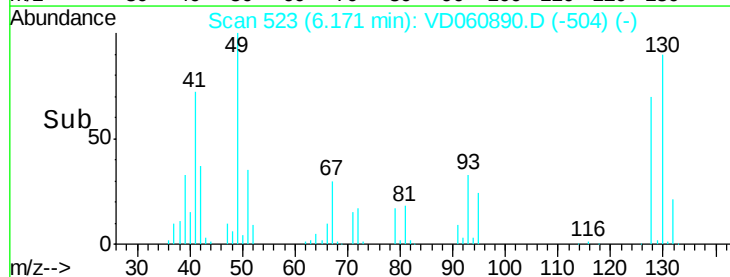
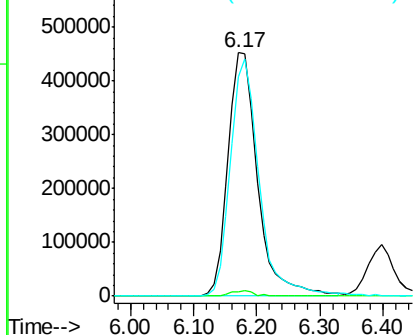
#28

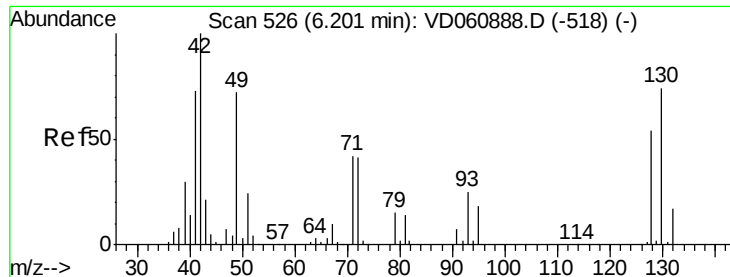
Bromochloromethane
 Concen: 84.225 ug/l
 RT: 6.17 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Tgt Ion: 49 Resp: 1472306
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 5.0
 130 90.3 71.4 107.0



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





#29

Tetrahydrofuran

Concen: 434.978 ug/l

RT: 6.19 min Scan# 525

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

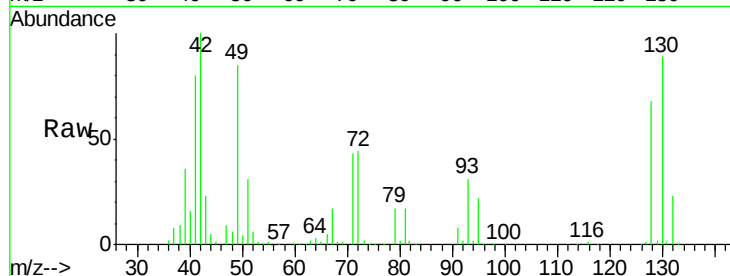
Tot Ion: 42 Resp: 1401262

Ion Ratio Lower Upper

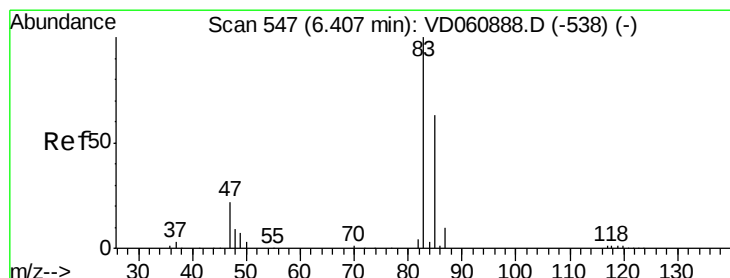
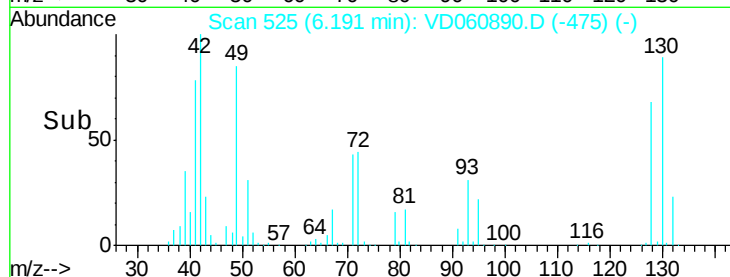
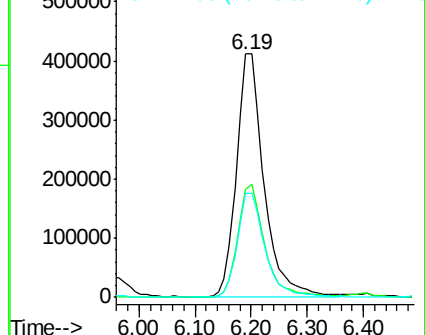
42 100

72 45.5 35.0 52.4

71 43.3 34.2 51.4



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: 88.092 ug/l

RT: 6.40 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060890.D

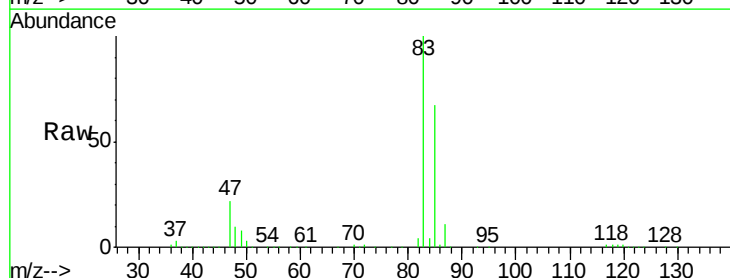
Acq: 21 Feb 2019 19:21

Tgt Ion: 83 Resp: 3798562

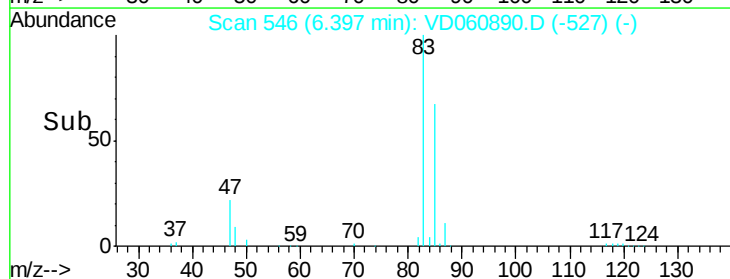
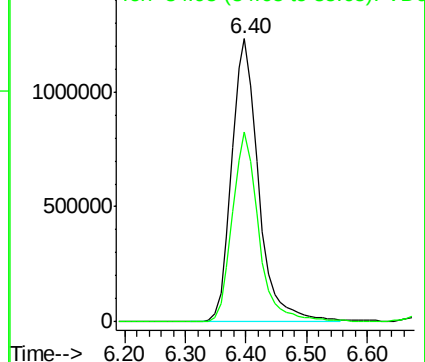
Ion Ratio Lower Upper

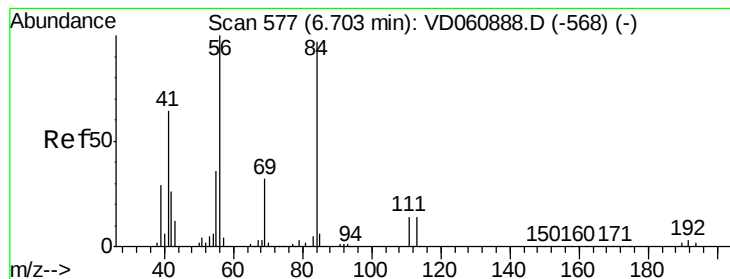
83 100

85 66.9 50.7 76.1



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





#31

Cyclohexane

Concen: 71.590 ug/l

RT: 6.69 min Scan# 576

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

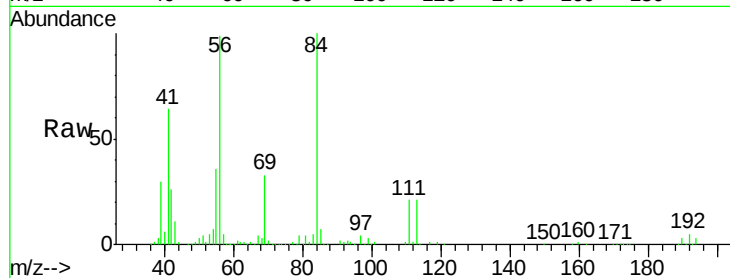
Tot Ion: 56 Resp: 2462759

Ion Ratio Lower Upper

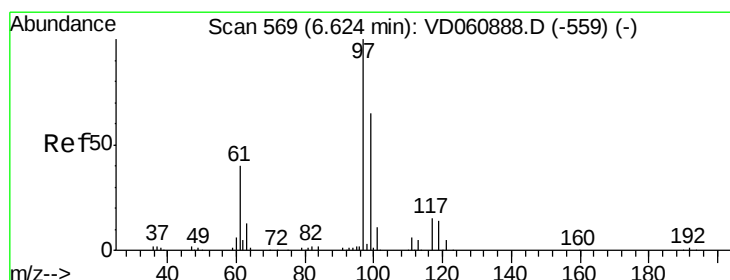
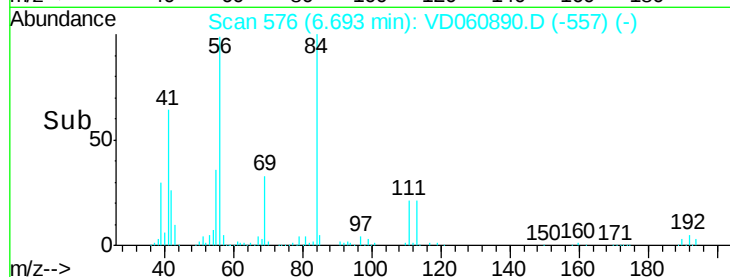
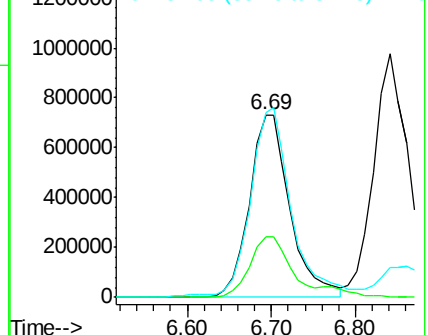
56 100

69 33.5 25.8 38.8

84 101.4 78.9 118.3



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: 75.838 ug/l

RT: 6.61 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

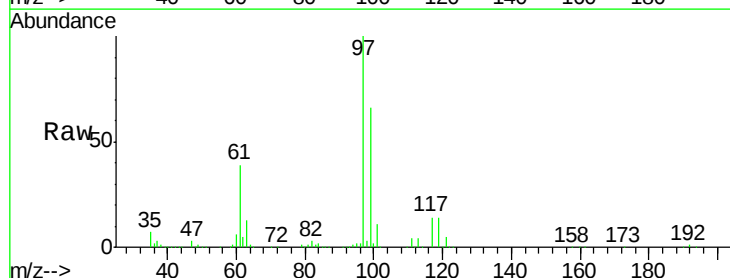
Tgt Ion: 97 Resp: 2868089

Ion Ratio Lower Upper

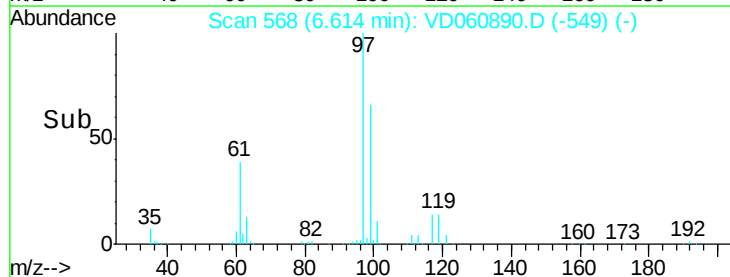
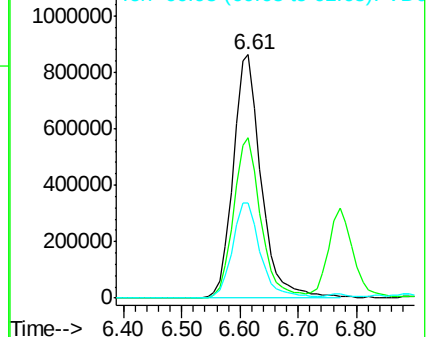
97 100

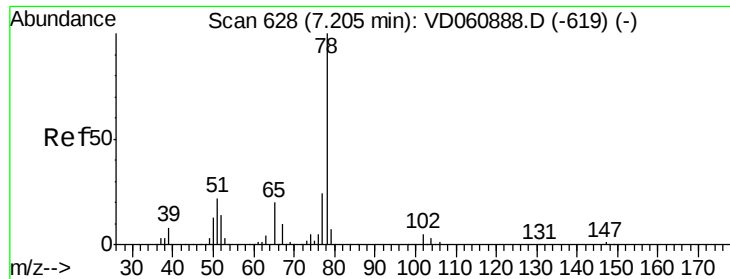
99 66.0 51.9 77.9

61 38.9 32.0 48.0



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: 75.838 ug/l

RT: 7.19 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

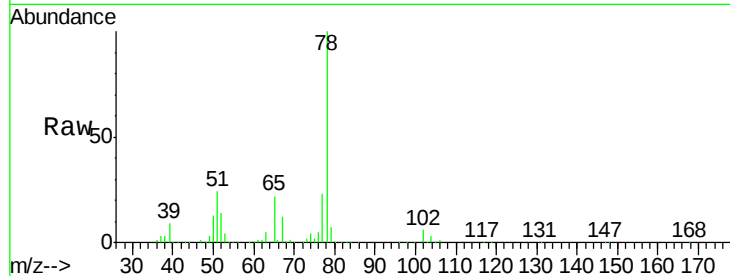
VSTDIC100

Tot Ion: 65 Resp: 1423250

Ion Ratio Lower Upper

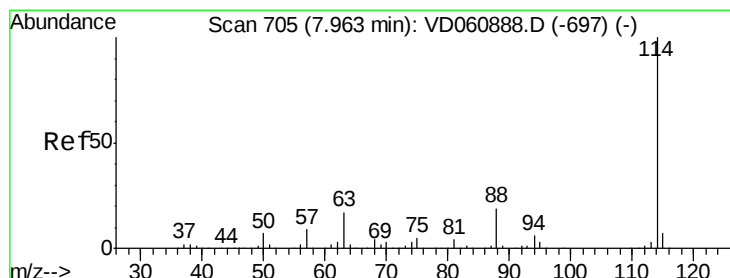
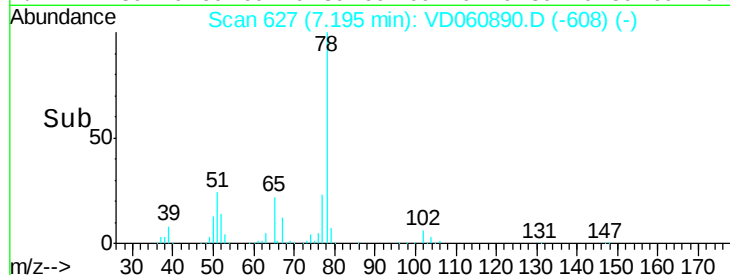
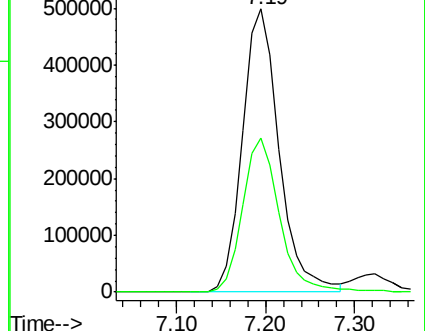
65 100

67 54.5 0.0 106.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 704

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

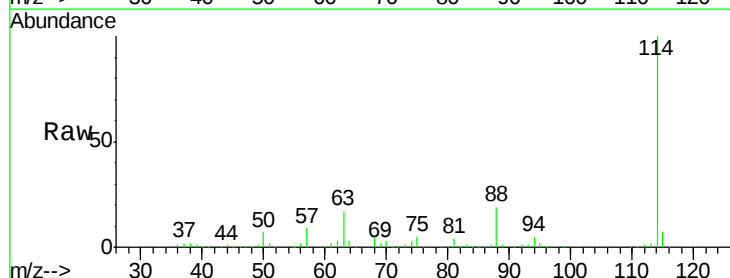
Tgt Ion: 114 Resp: 2874174

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

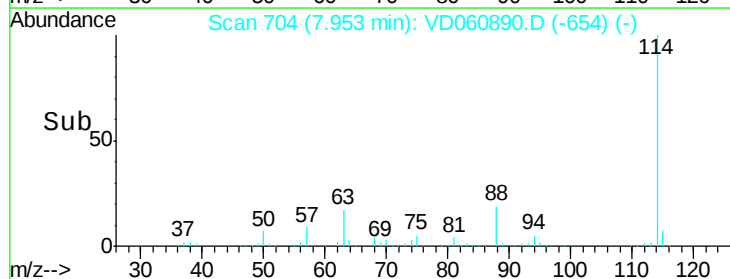
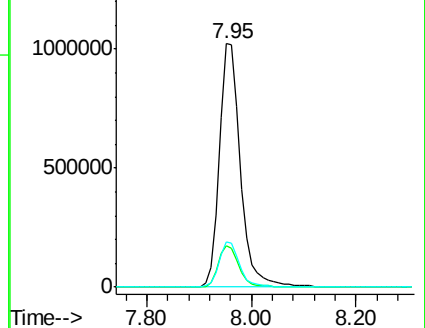
88 18.8 0.0 37.2

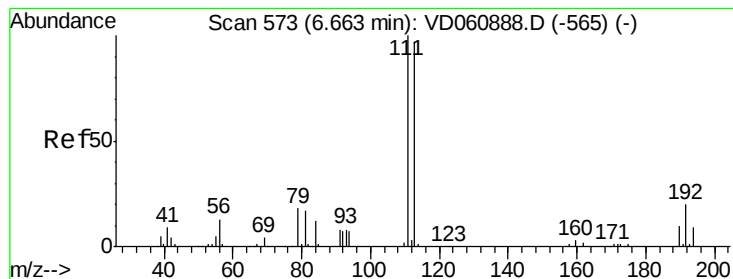


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.65 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

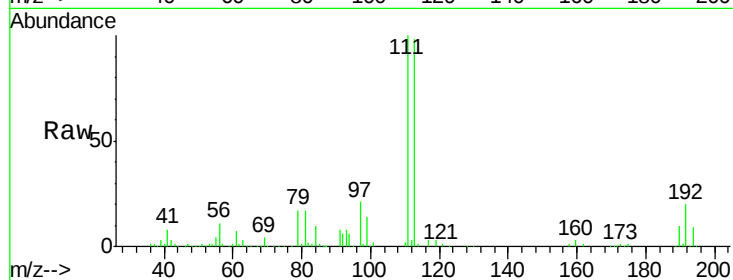
Tot Ion:113 Resp: 2137041

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

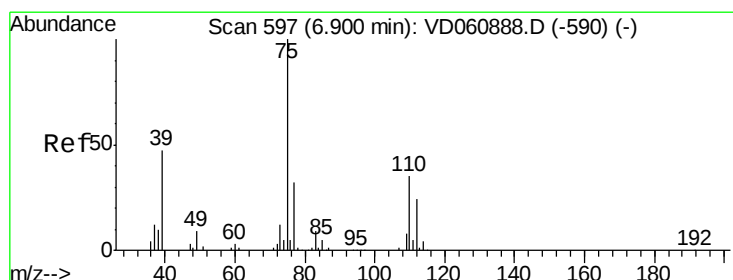
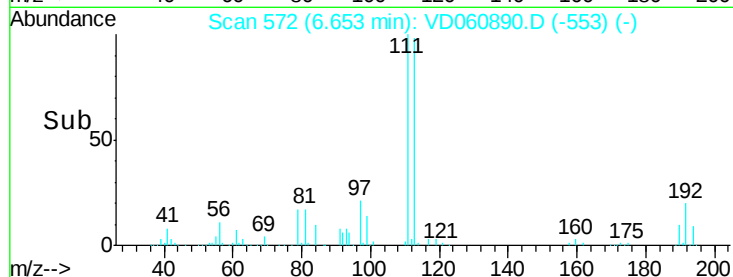
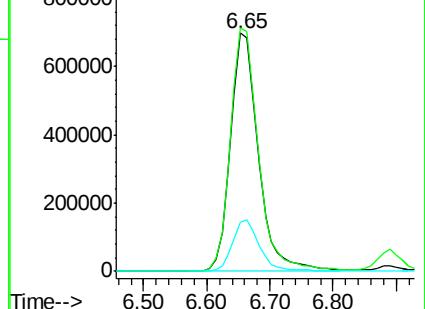
192 20.7 16.6 24.8



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: 79.034 ug/l

RT: 6.89 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

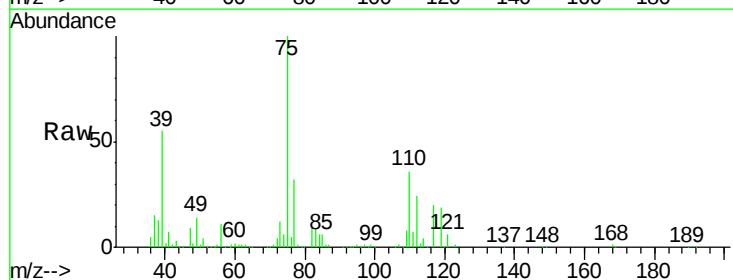
Tgt Ion: 75 Resp: 2768960

Ion Ratio Lower Upper

75 100

110 35.9 17.5 52.5

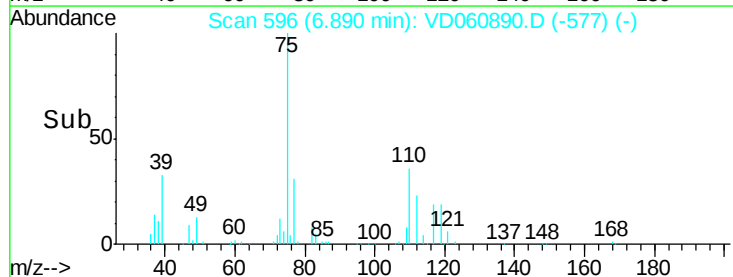
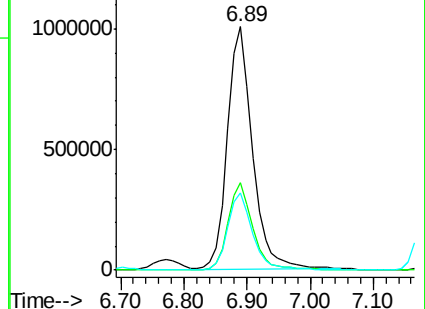
77 31.6 25.6 38.4

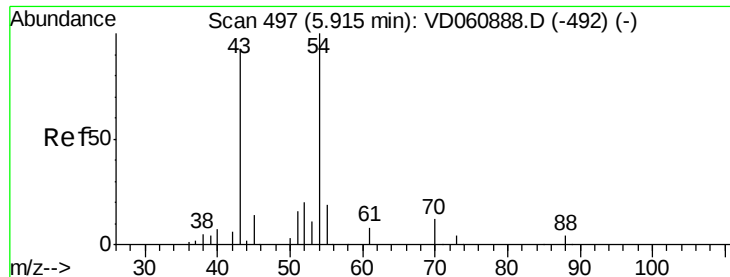


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

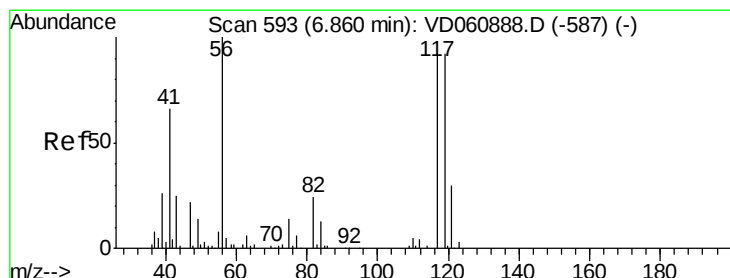
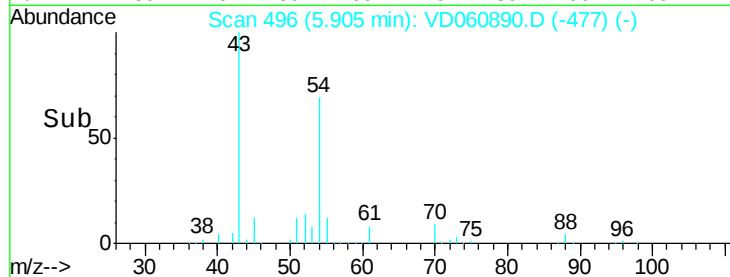
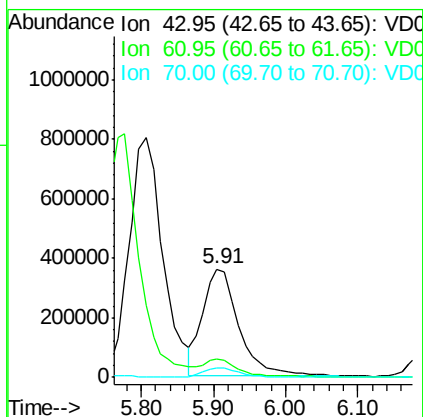
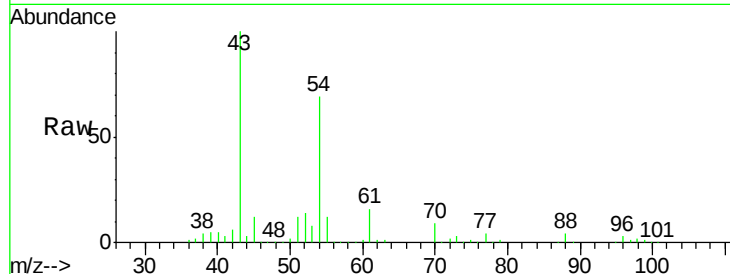




#37
Ethyl Acetate
Concen: 69.267 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

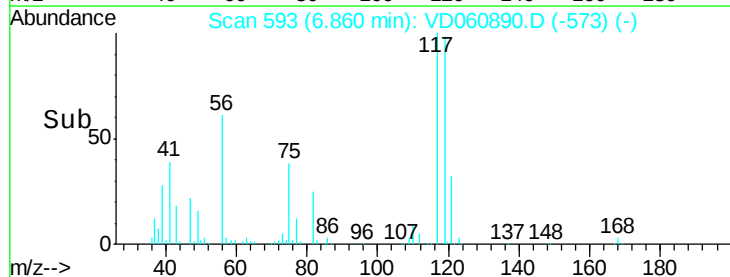
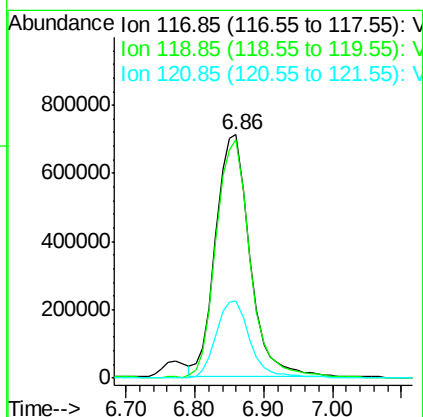
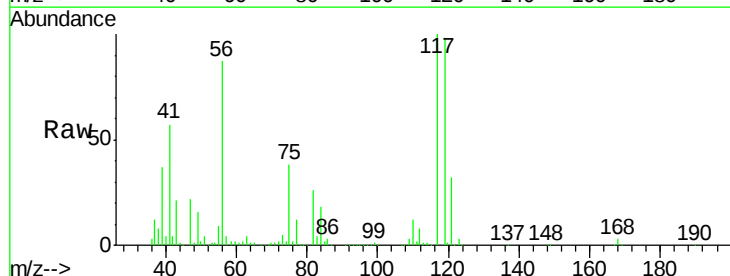
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

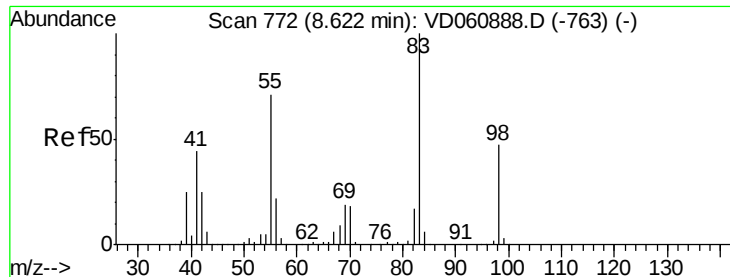
Tot Ion: 43 Resp: 1245043
Ion Ratio Lower Upper
43 100
61 16.5 12.9 19.3
70 9.1 8.1 12.1



#38
Carbon Tetrachloride
Concen: 67.877 ug/l
RT: 6.86 min Scan# 593
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 117 Resp: 2430472
Ion Ratio Lower Upper
117 100
119 97.7 75.7 113.5
121 31.8 24.9 37.3

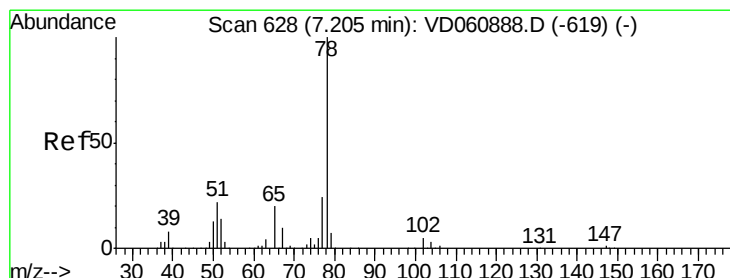
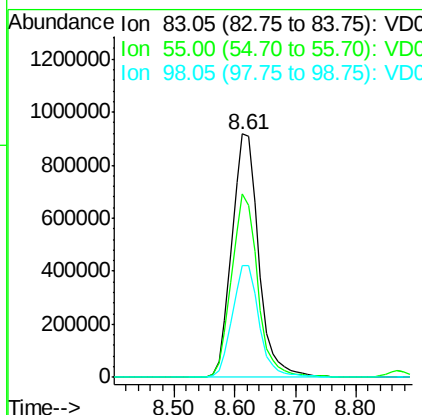
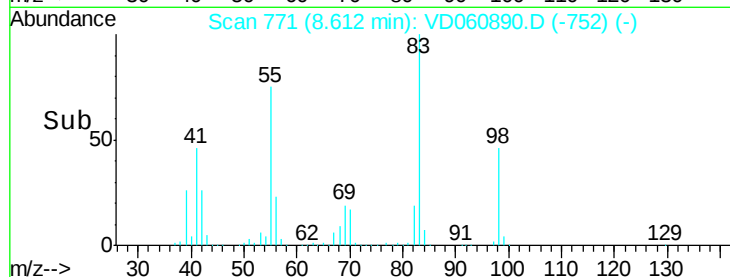
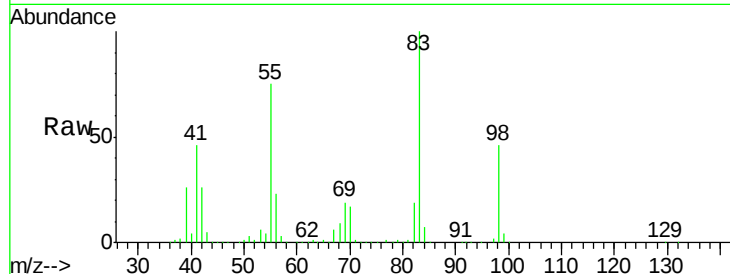




#39
Methvlcvclohexane
Concen: 83.380 ug/l
RT: 8.61 min Scan# 771
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

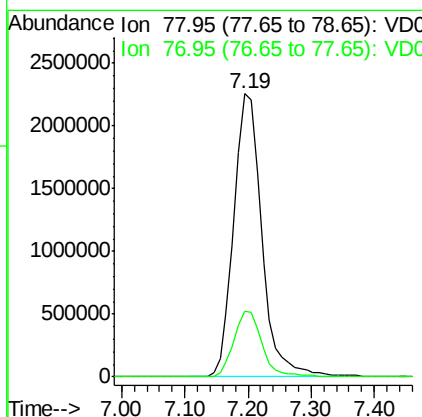
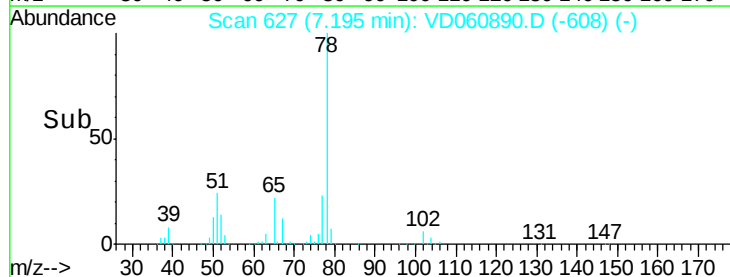
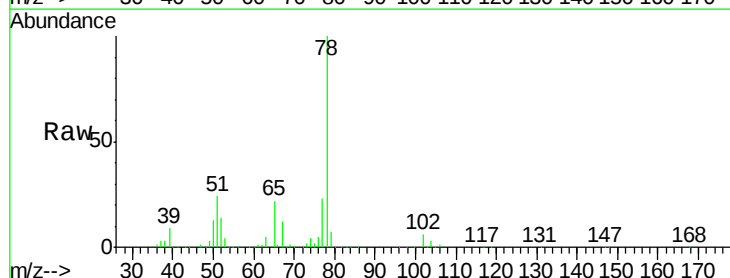
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

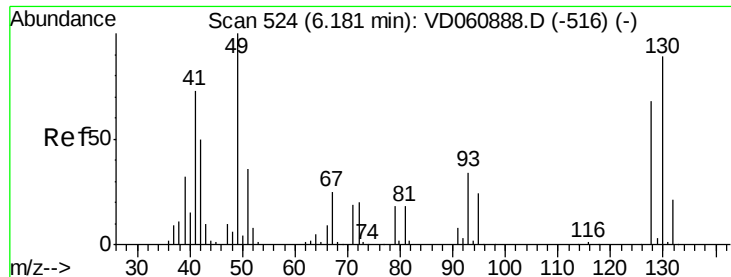
Tot Ion: 83 Resp: 2838494
Ion Ratio Lower Upper
83 100
55 75.4 57.1 85.7
98 45.7 37.5 56.3



#40
Benzene
Concen: 87.825 ug/l
RT: 7.19 min Scan# 627
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 78 Resp: 6956903
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

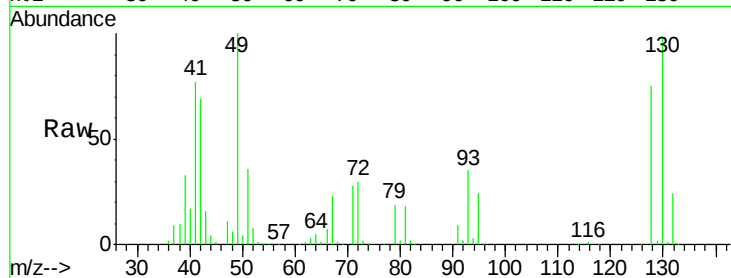




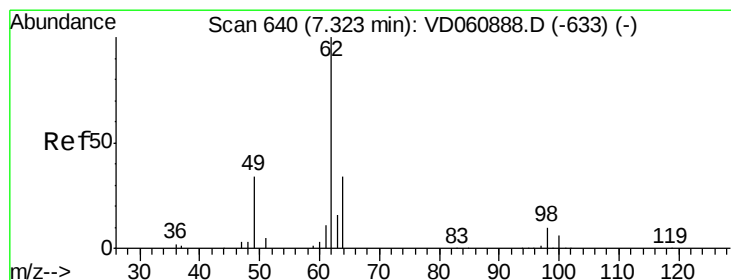
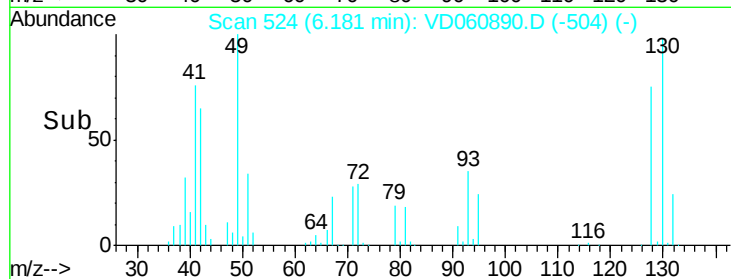
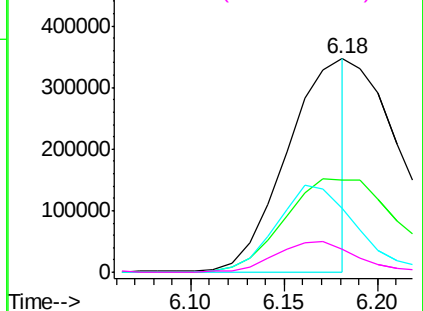
#41
Methacrylonitrile
Concen: 63.979 ug/l m
RT: 6.18 min Scan# 524
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 41 Resp: 784624
Ion Ratio Lower Upper
41 100
39 43.1 35.1 52.7
67 29.9 28.0 42.0
52 10.9 9.2 13.8

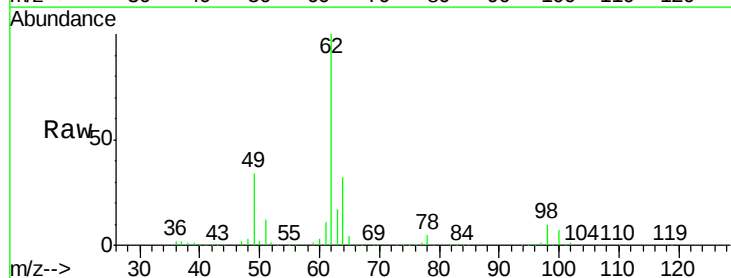


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

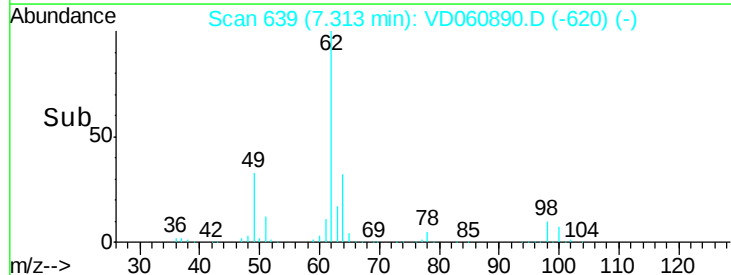
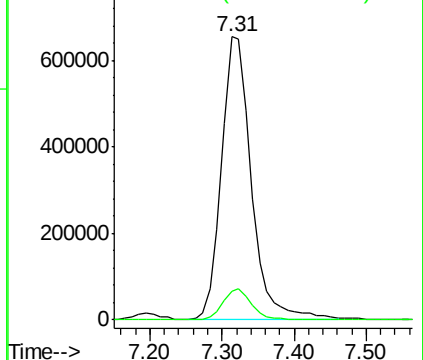


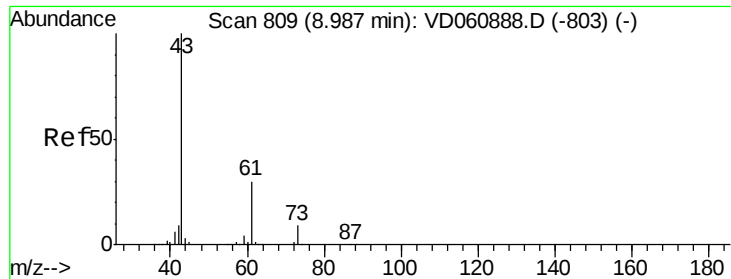
#42
1,2-Dichloroethane
Concen: 61.519 ug/l
RT: 7.31 min Scan# 639
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 62 Resp: 1872501
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 79.283 ug/l

RT: 8.99 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

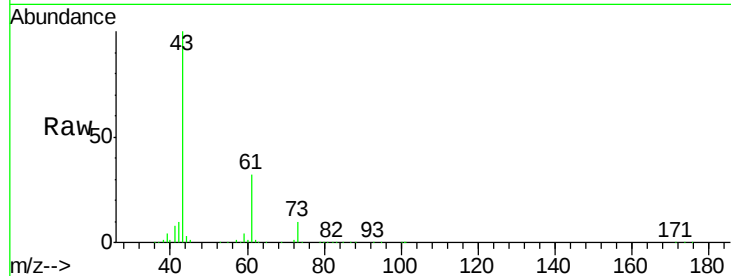
Tot Ion: 43 Resp: 1810431

Ion Ratio Lower Upper

43 100

61 31.5 23.9 35.9

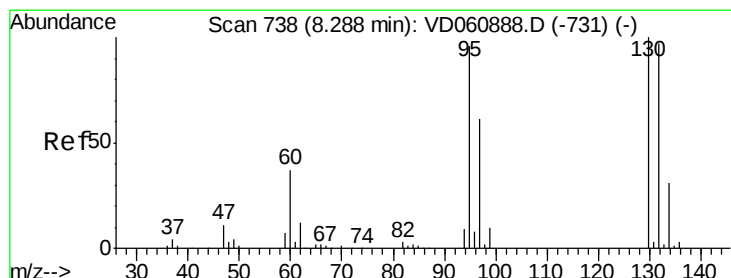
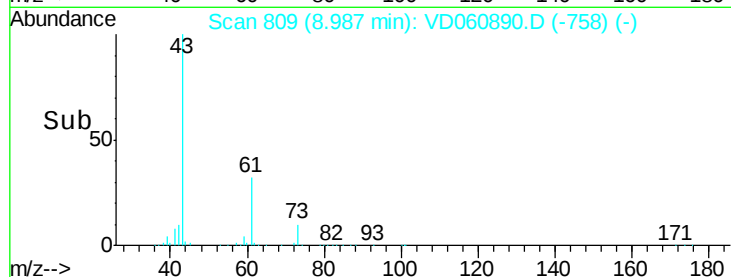
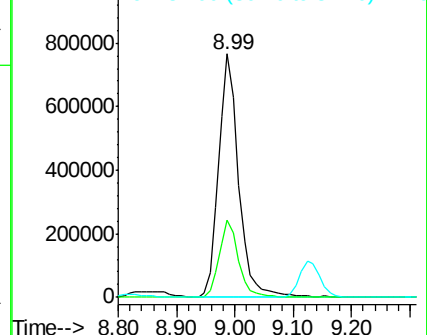
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 97.519 ug/l

RT: 8.29 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD060890.D

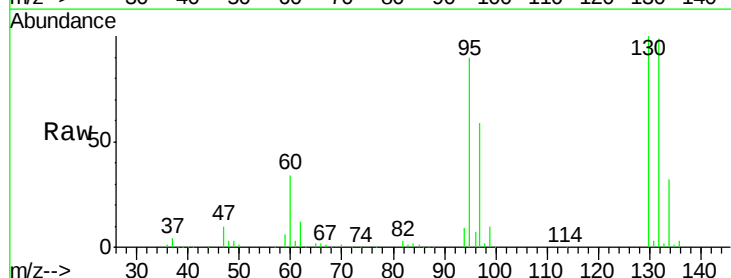
Acq: 21 Feb 2019 19:21

Tgt Ion:130 Resp: 2300961

Ion Ratio Lower Upper

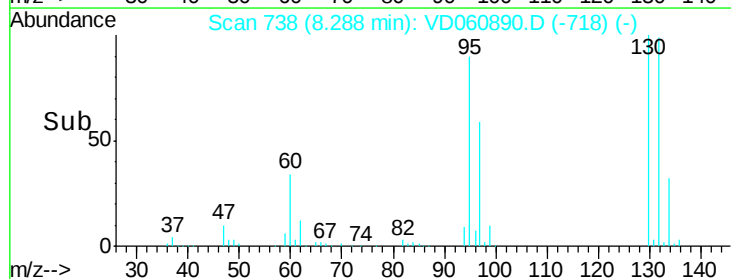
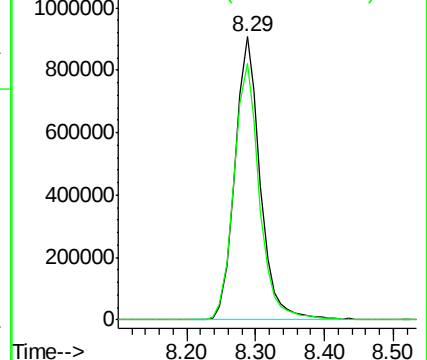
130 100

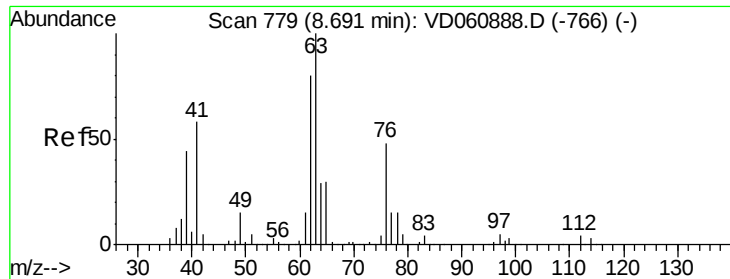
95 90.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 79.522 ug/l

RT: 8.69 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

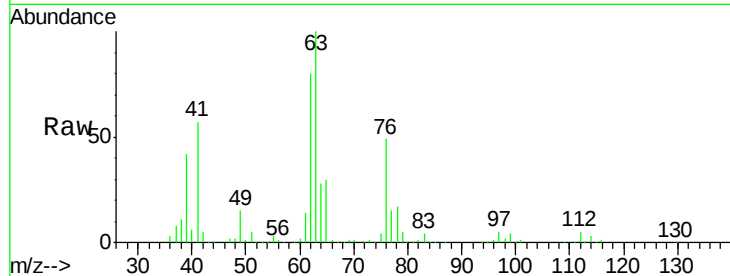
VSTDIC100

Tot Ion: 63 Resp: 1681689

Ion Ratio Lower Upper

63 100

65 30.2 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.69

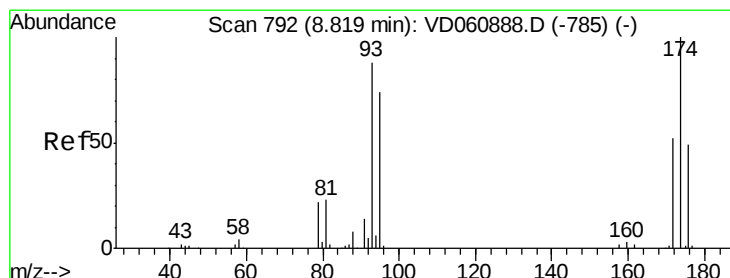
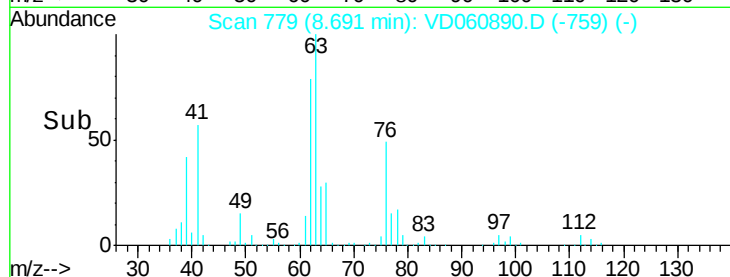
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 86.231 ug/l

RT: 8.82 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

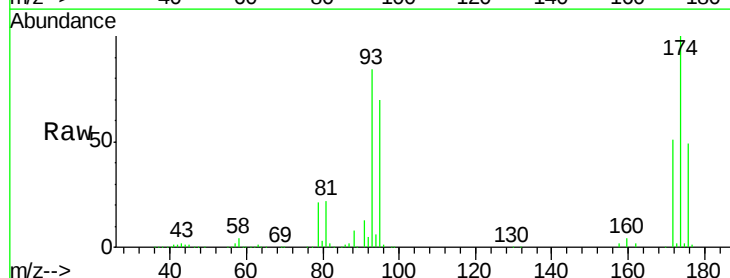
Tgt Ion: 93 Resp: 1169377

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

174 119.0 91.1 136.7



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.82

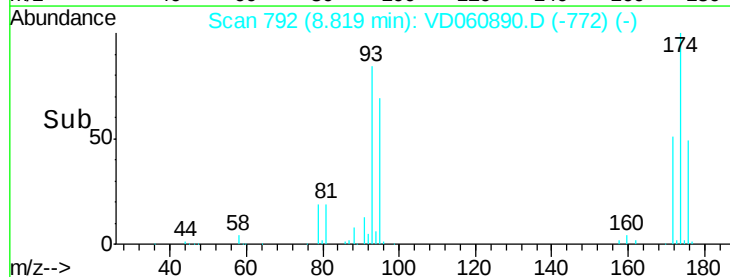
600000

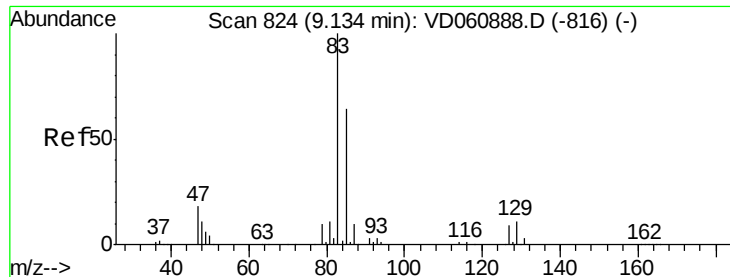
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 82.798 ug/l

RT: 9.12 min Scan# 823

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

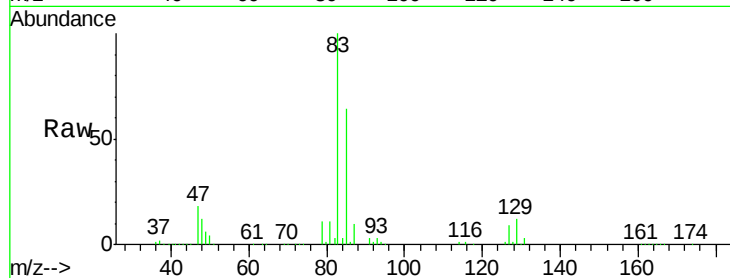
Tot Ion: 83 Resp: 2809668

Ion Ratio Lower Upper

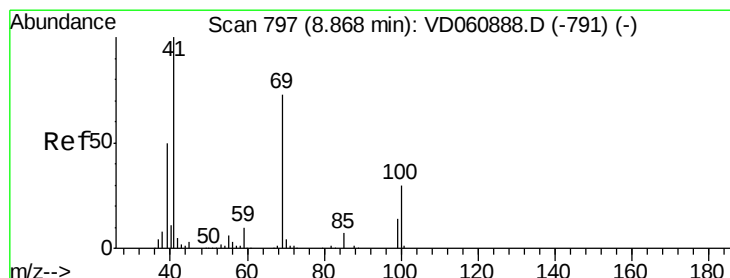
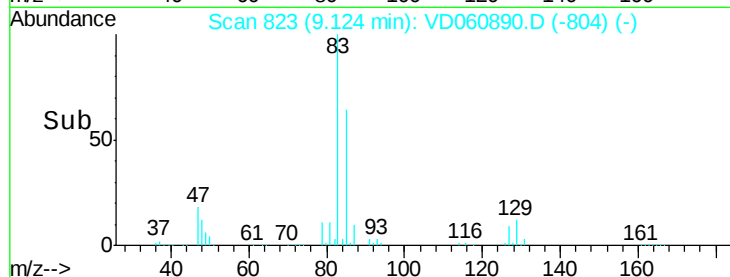
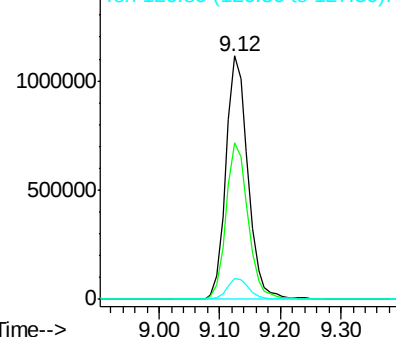
83 100

85 64.2 51.3 76.9

127 8.7 6.9 10.3



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: 66.821 ug/l

RT: 8.87 min Scan# 797

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

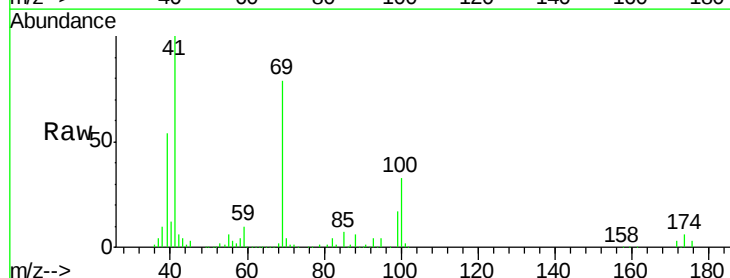
Tgt Ion: 41 Resp: 1028296

Ion Ratio Lower Upper

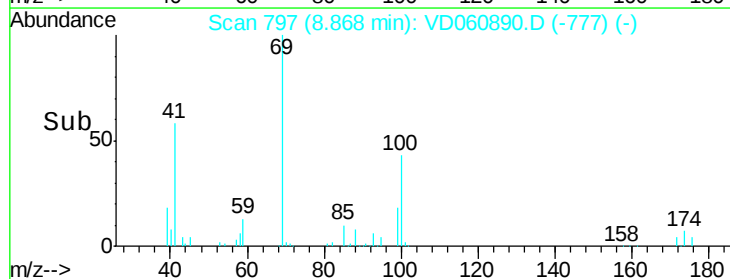
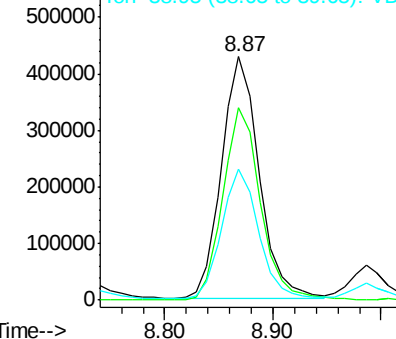
41 100

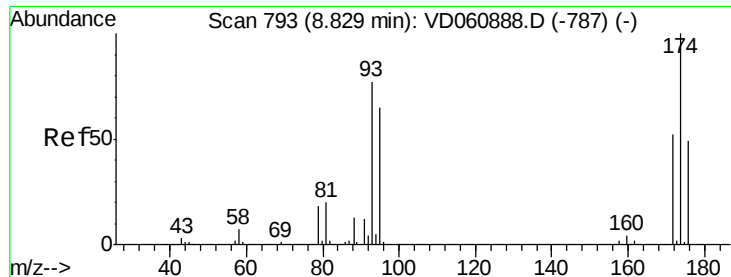
69 78.9 57.8 86.6

39 53.9 40.0 60.0



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

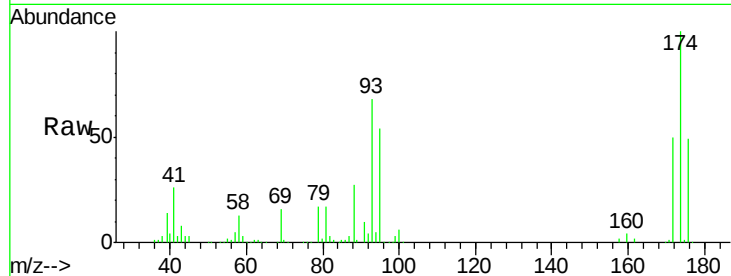




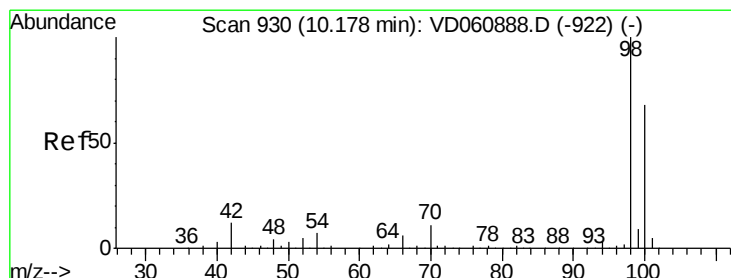
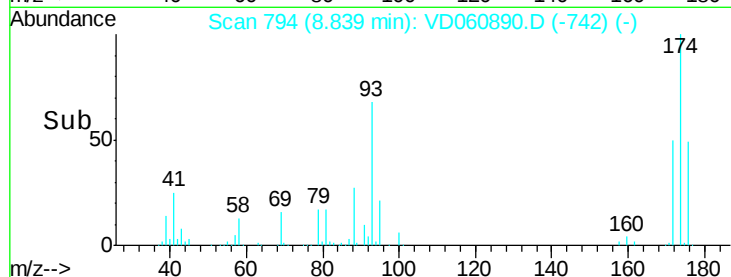
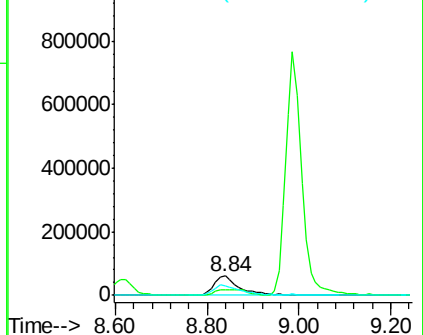
#49
1,4-Dioxane
Concen: 2112.188 ug/l
RT: 8.84 min Scan# 794
Delta R.T. 0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 241034
Ion Ratio Lower Upper
88 100
43 30.7 21.6 32.4
58 48.8 43.0 64.6

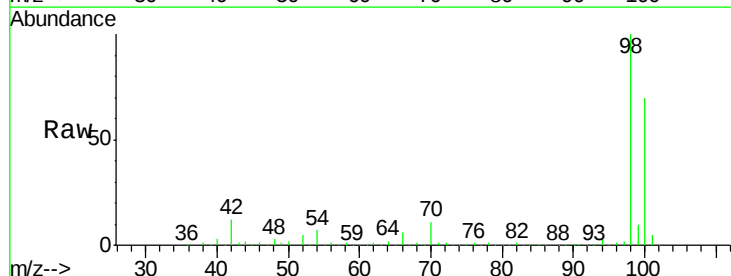


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

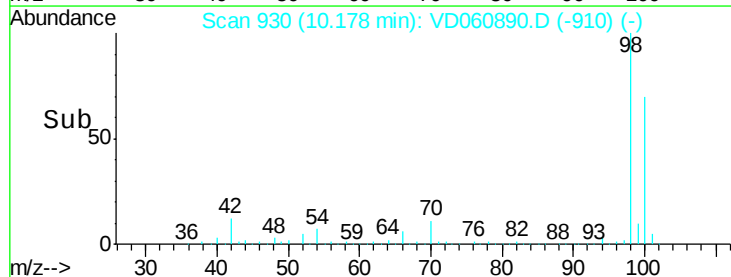
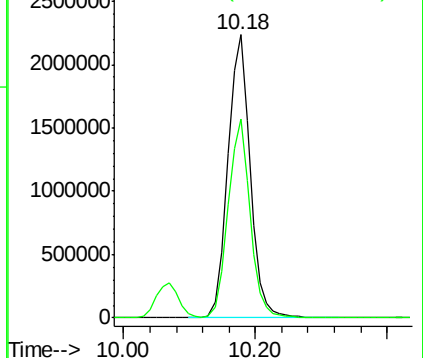


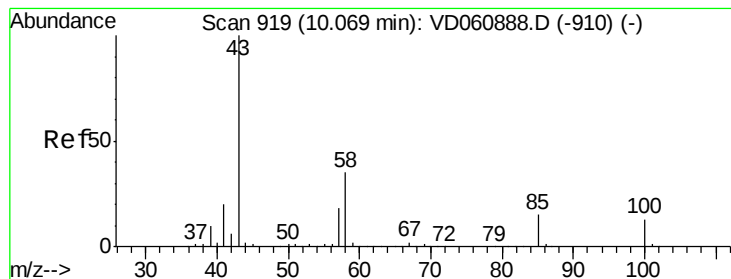
#50
Toluene-d8
Concen: 2112.188 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 98 Resp: 5322249
Ion Ratio Lower Upper
98 100
100 70.4 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 352.862 ug/l

RT: 10.07 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

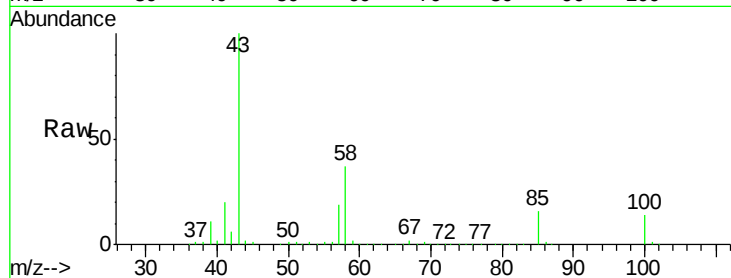
VSTDIC100

Tot Ion: 43 Resp: 5190985

Ion Ratio Lower Upper

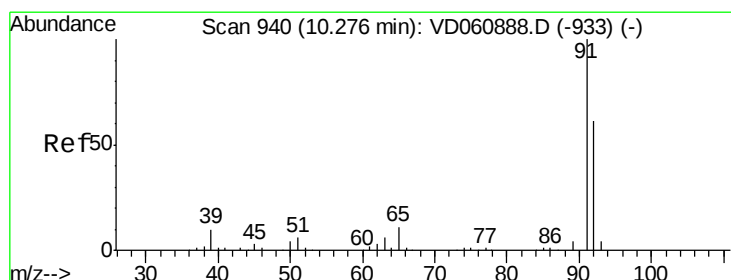
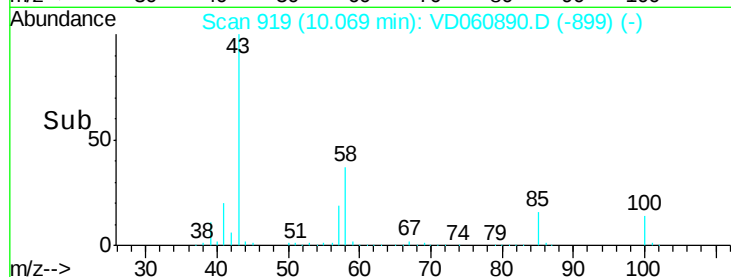
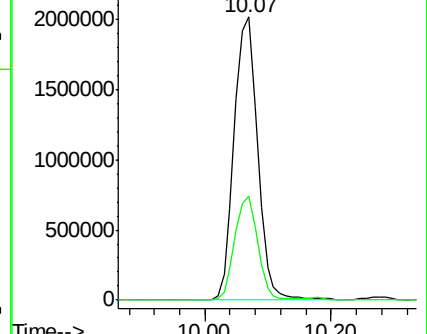
43 100

58 36.8 28.3 42.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 91.908 ug/l

RT: 10.28 min Scan# 940

Delta R.T. -0.00 min

Lab File: VD060890.D

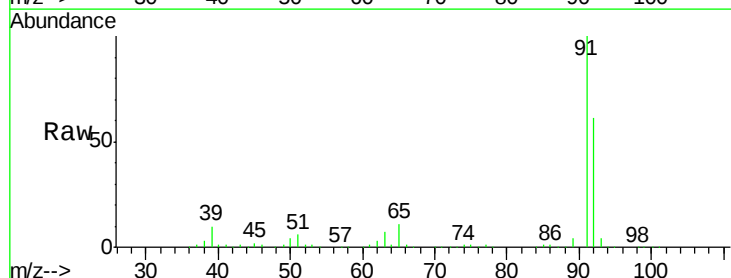
Acq: 21 Feb 2019 19:21

Tgt Ion: 92 Resp: 4190709

Ion Ratio Lower Upper

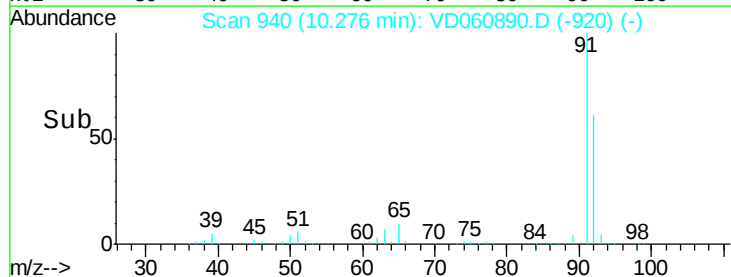
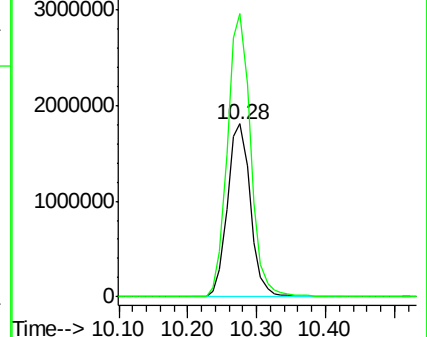
92 100

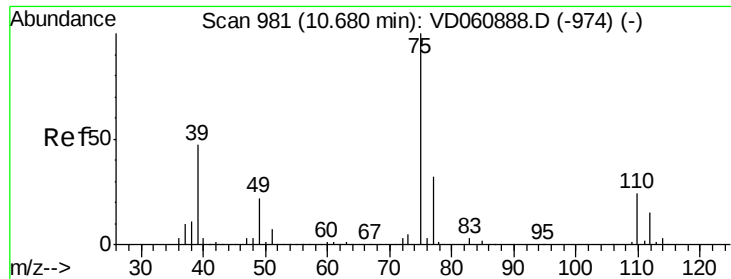
91 163.6 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

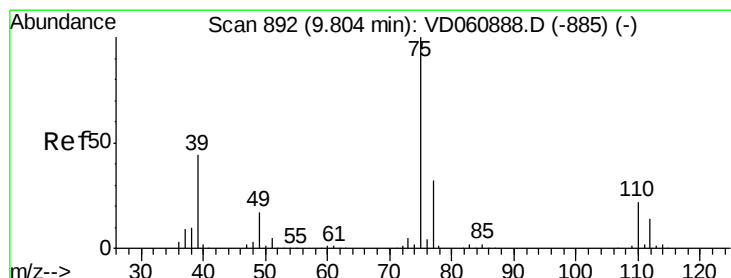
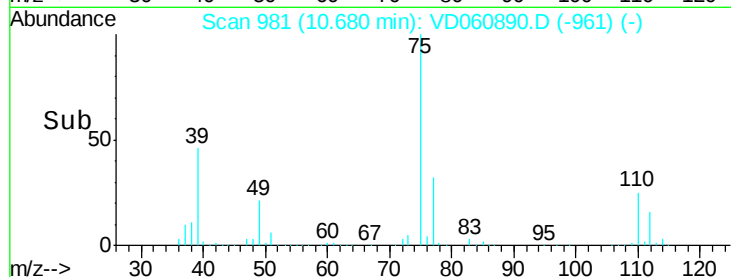
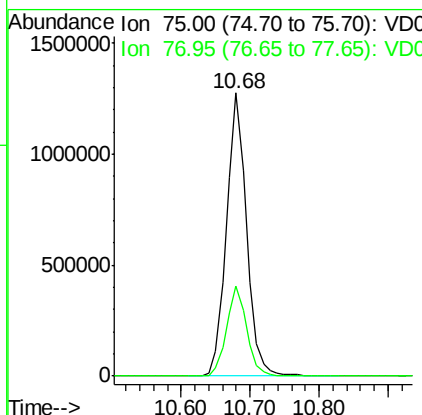
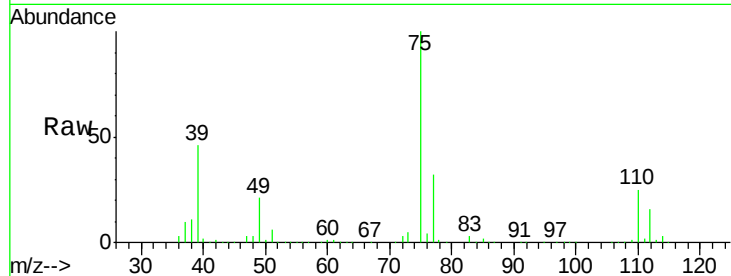




#53
t-1,3-Dichloropropene
Concen: 84.533 ug/l
RT: 10.68 min Scan# 981
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

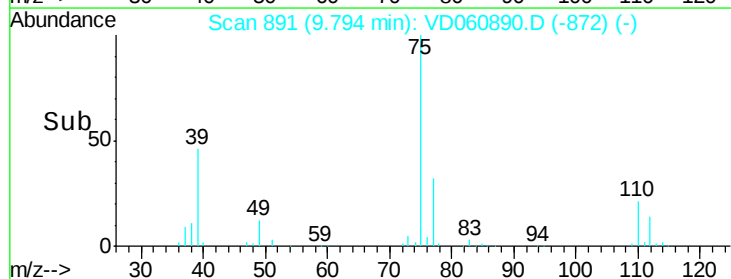
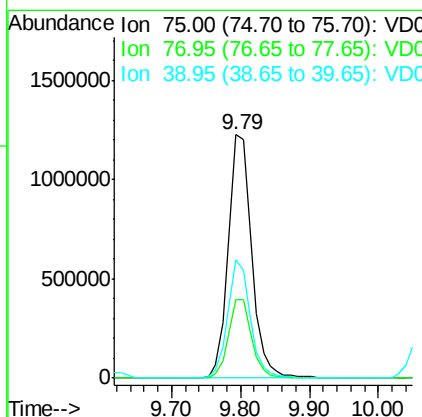
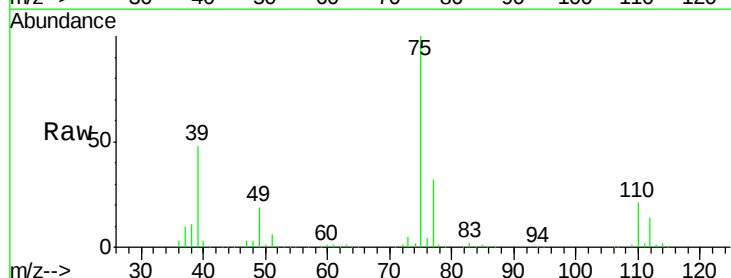
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

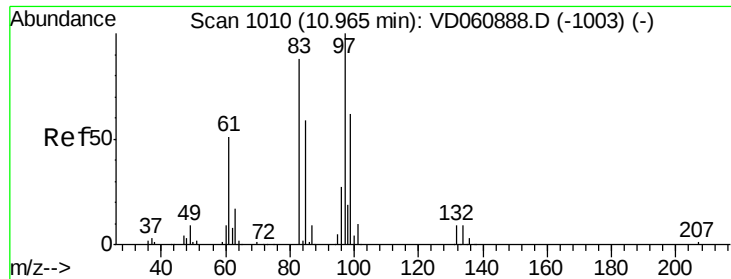
Tot Ion: 75 Resp: 2567187
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 83.472 ug/l
RT: 9.79 min Scan# 891
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 75 Resp: 2907797
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
39 48.5 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 97.068 ug/l

RT: 10.96 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1314666

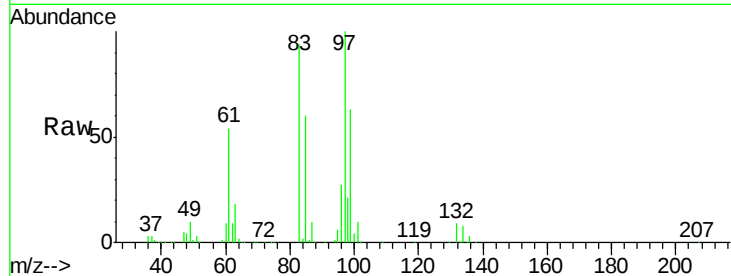
Ion Ratio Lower Upper

97 100

83 94.1 70.8 106.2

85 60.4 47.6 71.4

99 63.3 49.6 74.4

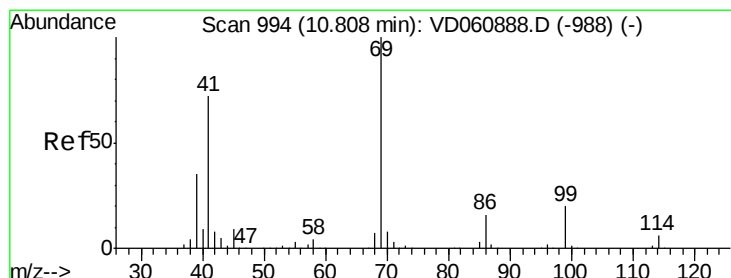
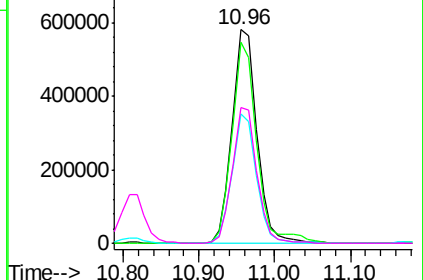
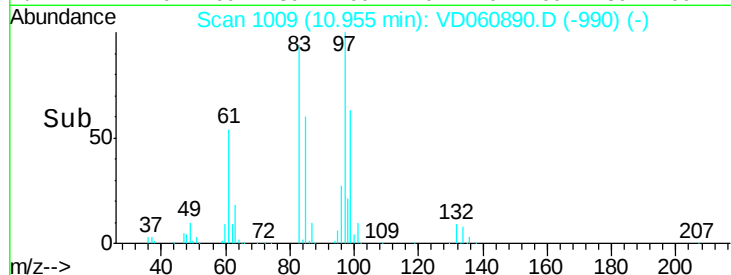


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 84.099 ug/l

RT: 10.81 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

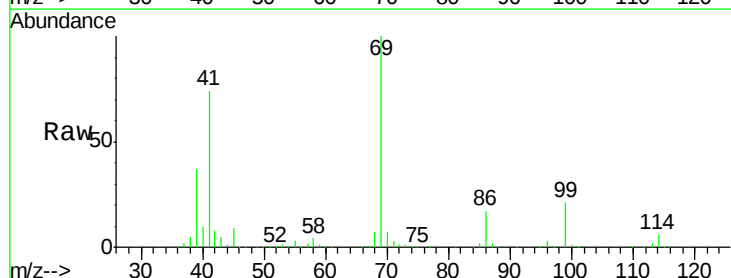
Tgt Ion: 69 Resp: 1456552

Ion Ratio Lower Upper

69 100

41 73.5 57.8 86.8

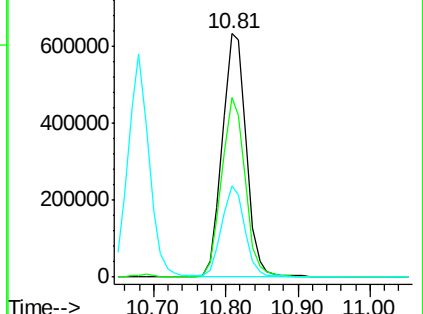
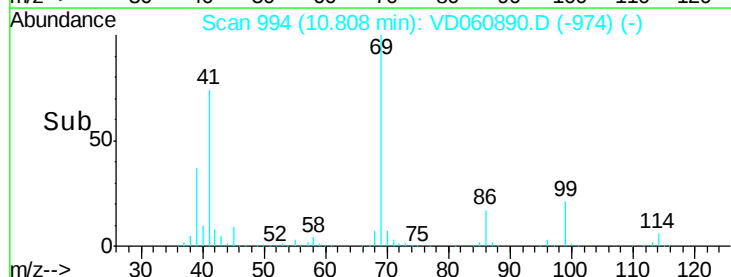
39 37.3 28.6 43.0

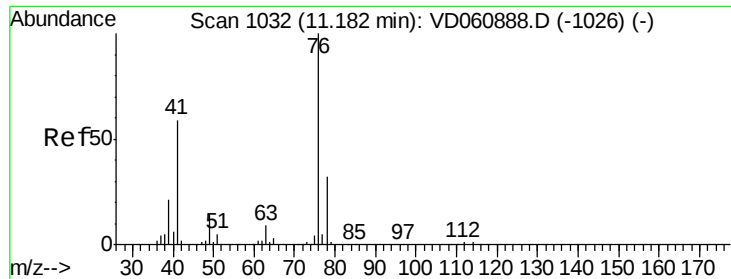


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

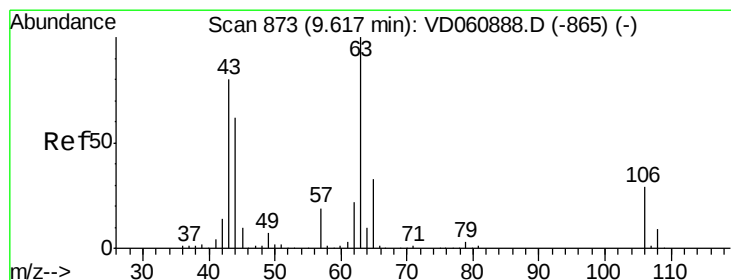
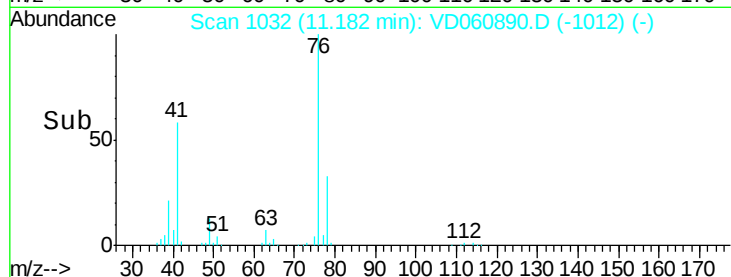
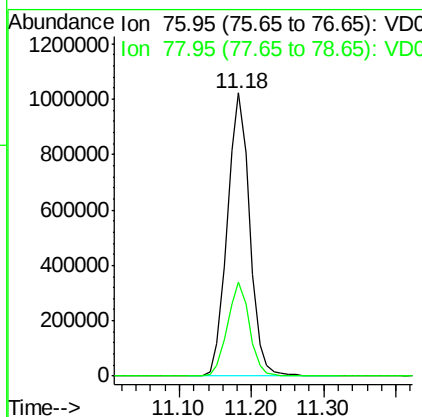
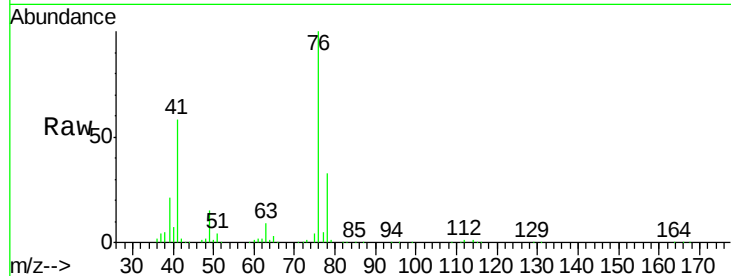




#57
 1,3-Dichloropropane
 Concen: 89.097 ug/l
 RT: 11.18 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

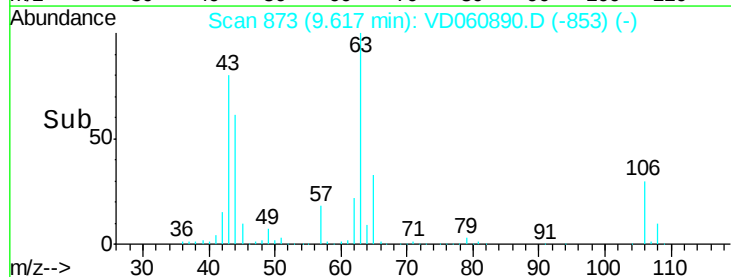
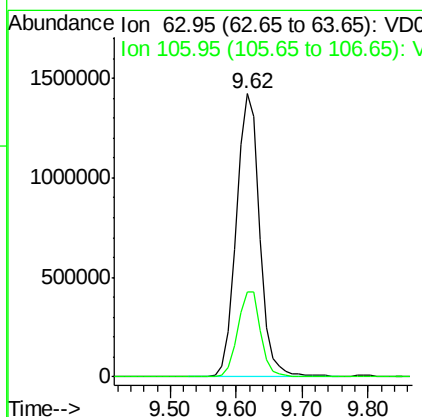
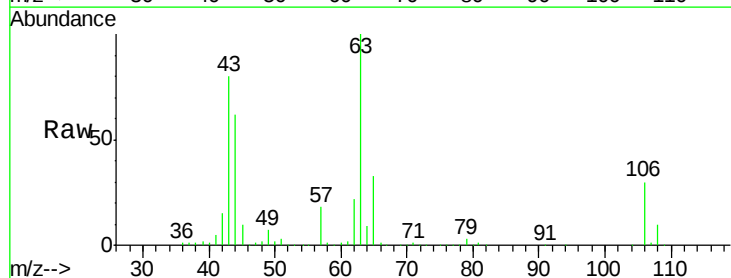
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

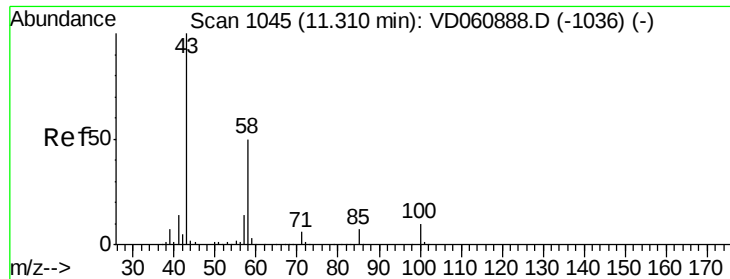
Tot Ion: 76 Resp: 2206310
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 405.812 ug/l
 RT: 9.62 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Tgt Ion: 63 Resp: 3544710
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.5 35.3

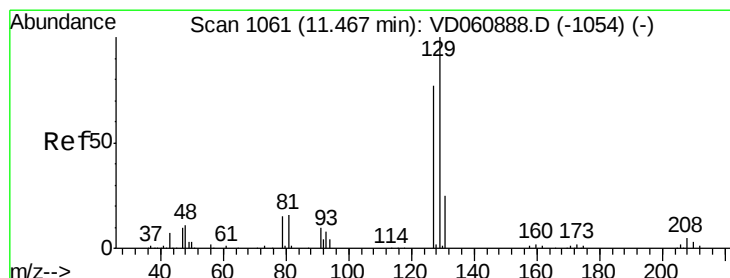
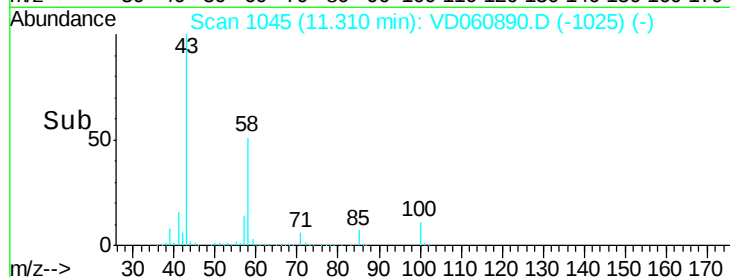
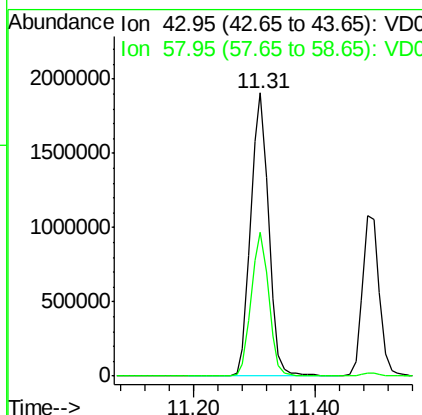
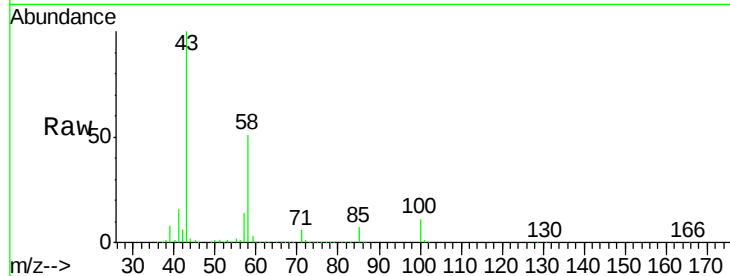




#59
2-Hexanone
Concen: 363.020 ug/l
RT: 11.31 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

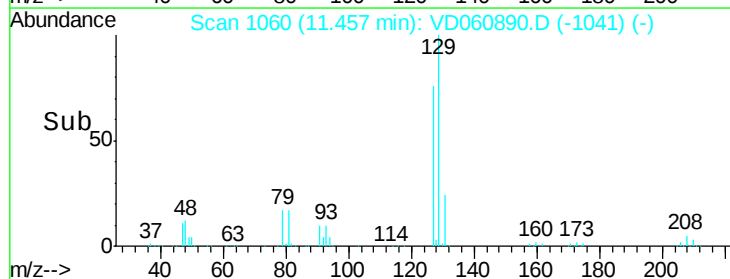
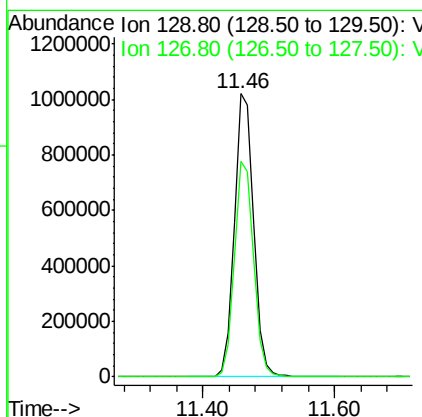
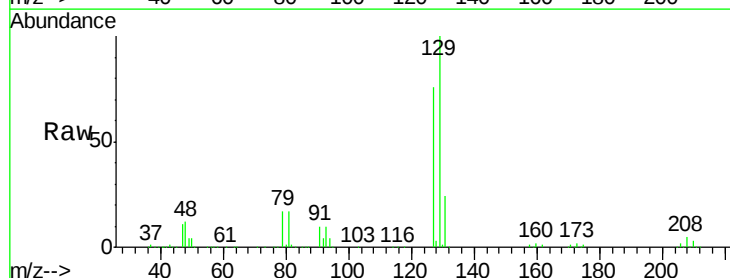
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

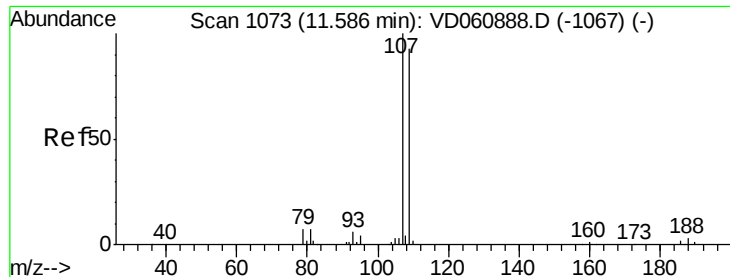
Tot Ion: 43 Resp: 3933538
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.3



#60
Dibromochloromethane
Concen: 96.035 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:129 Resp: 2095757
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 95.323 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

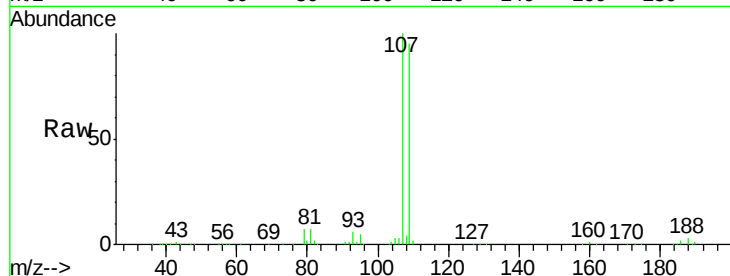
VSTDIC100

Tot Ion:107 Resp: 1529791

Ion Ratio Lower Upper

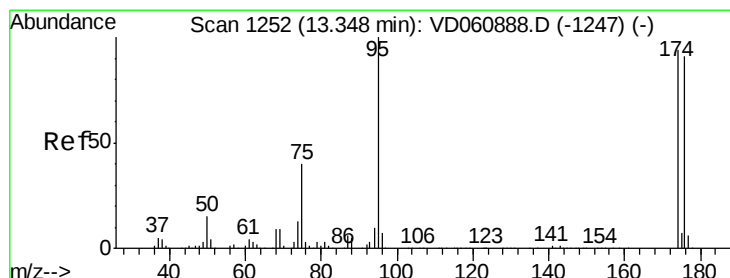
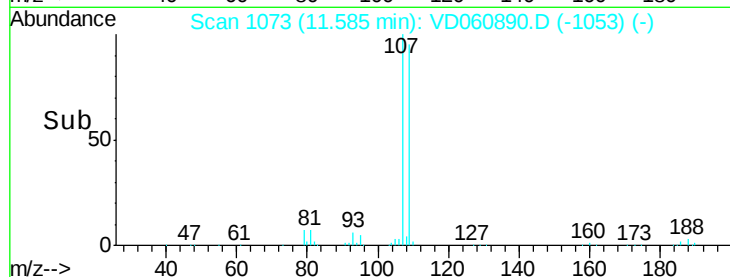
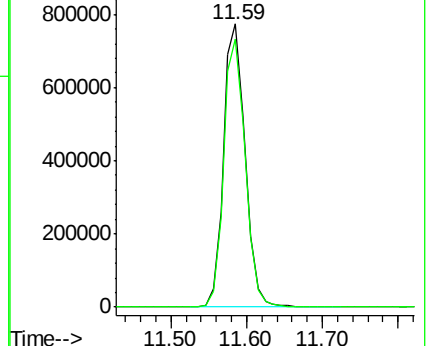
107 100

109 94.6 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 95.323 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

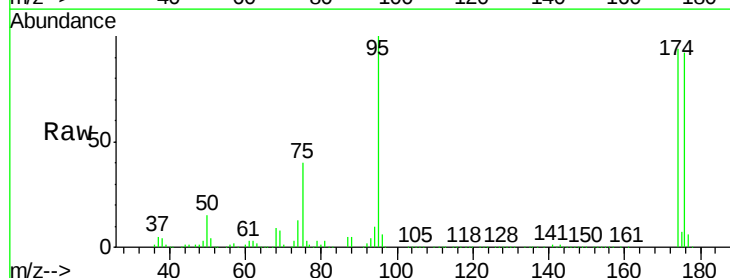
Tgt Ion: 95 Resp: 2030278

Ion Ratio Lower Upper

95 100

174 93.9 0.0 188.0

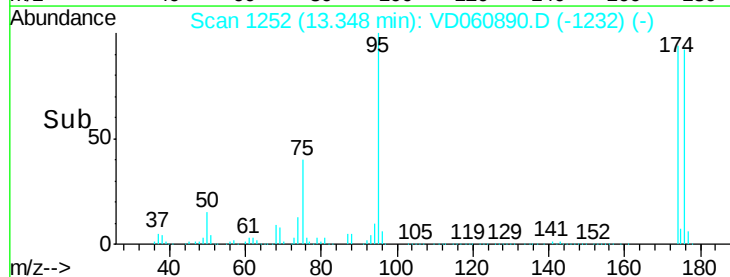
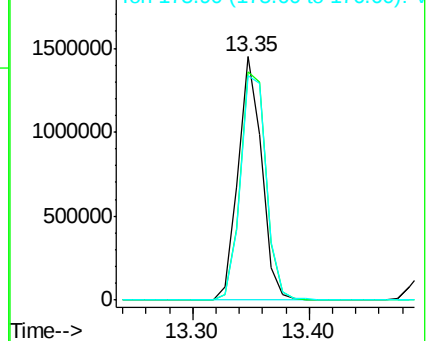
176 92.4 0.0 181.2

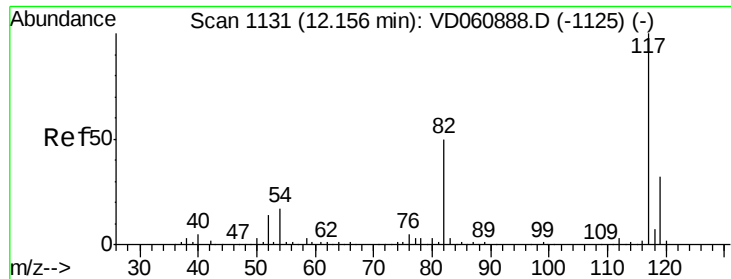


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

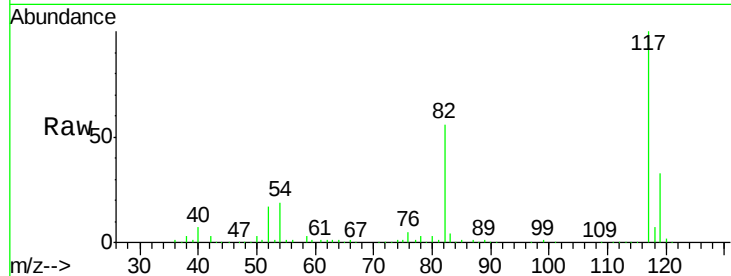




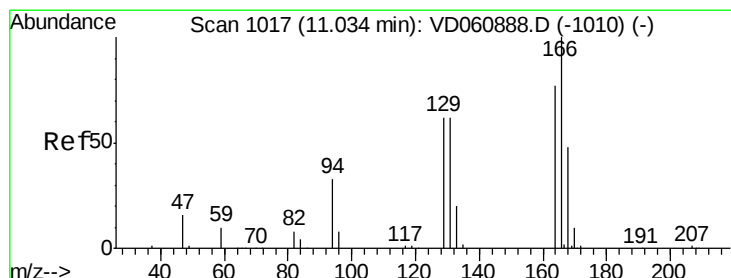
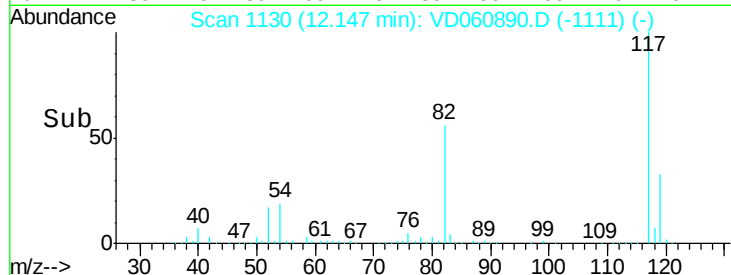
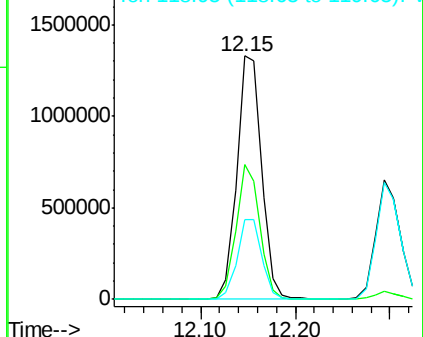
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 2402069
Ion Ratio Lower Upper
117 100
82 55.6 40.3 60.5
119 32.5 25.8 38.6

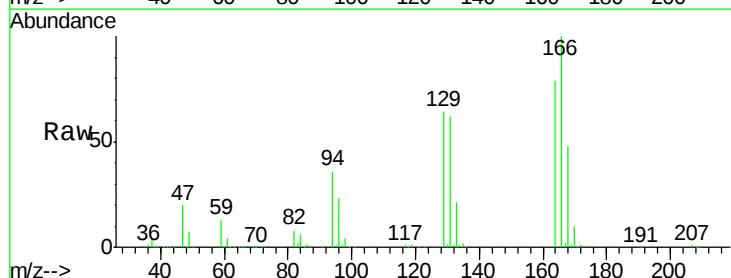


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

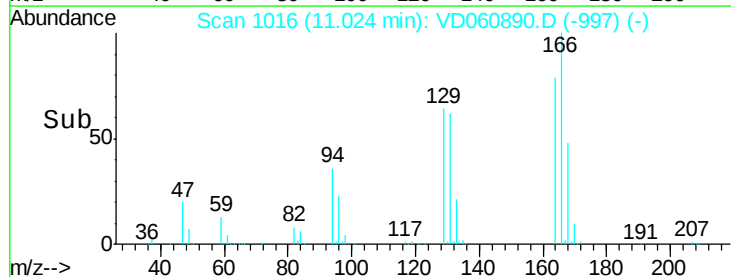
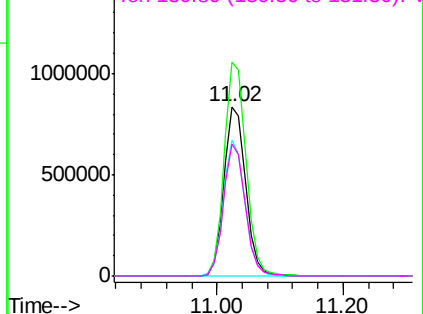


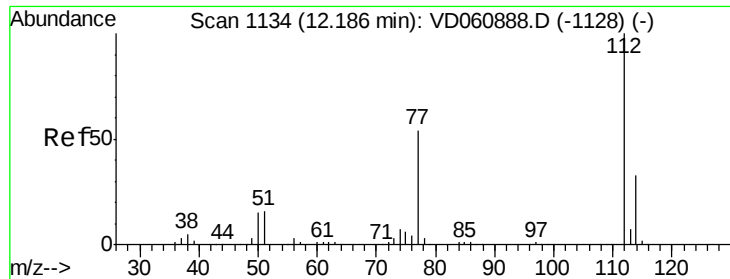
#64
Tetrachloroethene
Concen: 88.336 ug/l
RT: 11.02 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:164 Resp: 1993491
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 80.5 64.4 96.6
131 77.9 64.2 96.4



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

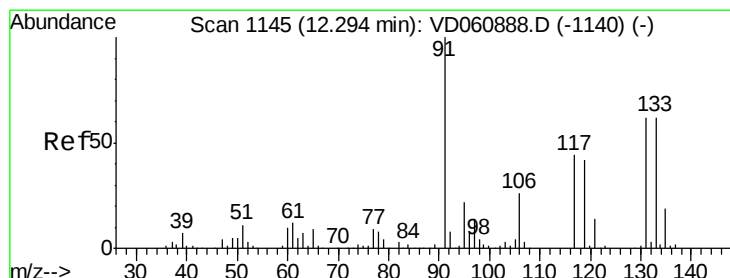
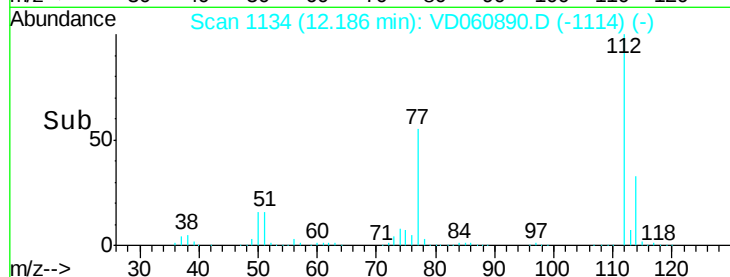
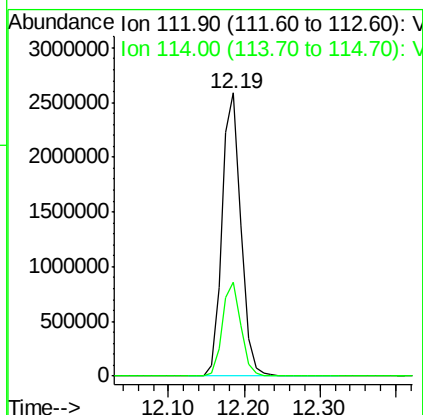
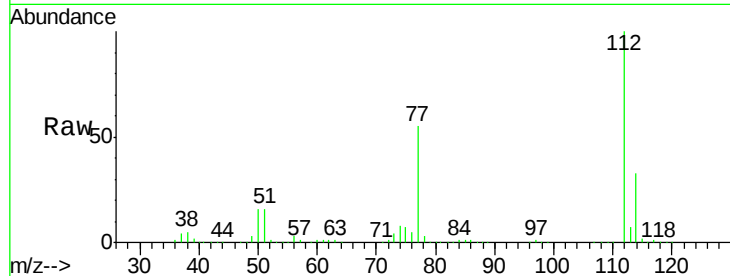




#65
Chlorobenzene
Concen: 90.090 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

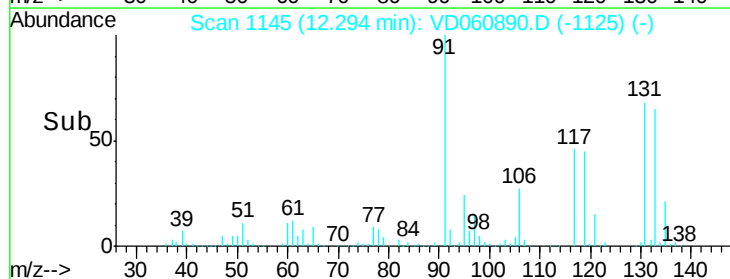
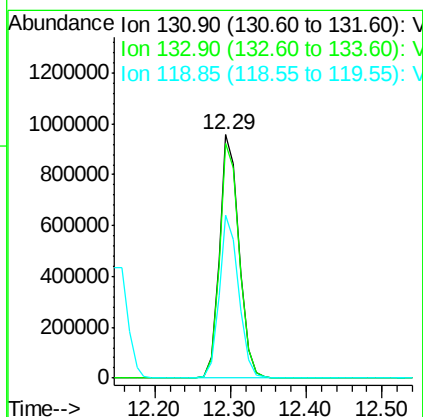
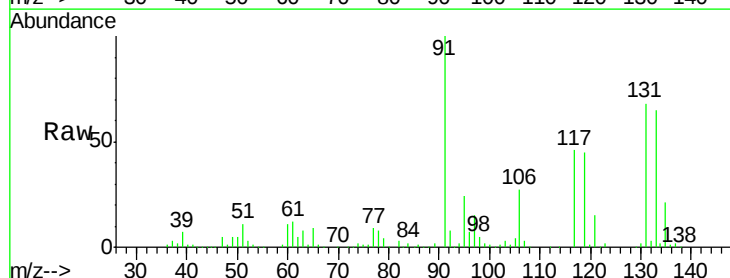
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

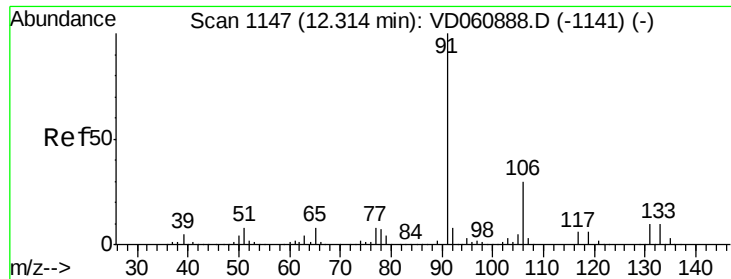
Tot Ion:112 Resp: 4494337
Ion Ratio Lower Upper
112 100
114 33.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 80.230 ug/l
RT: 12.29 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:131 Resp: 1729316
Ion Ratio Lower Upper
131 100
133 96.3 49.3 147.9
119 67.0 33.5 100.5

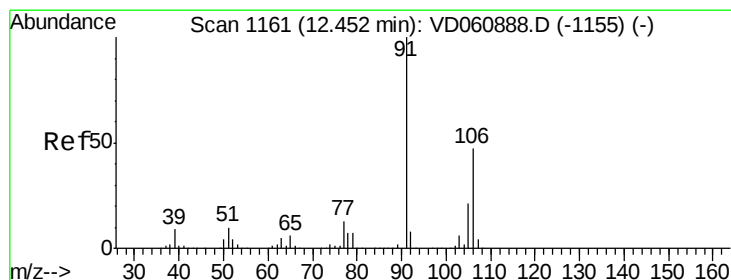
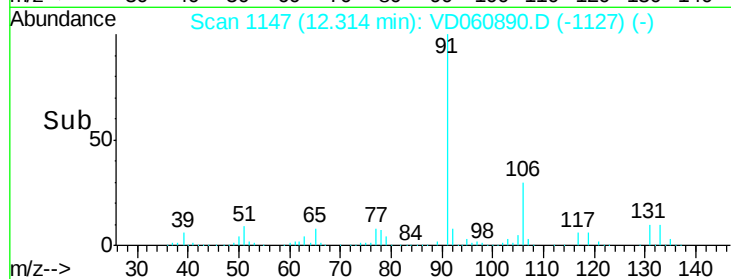
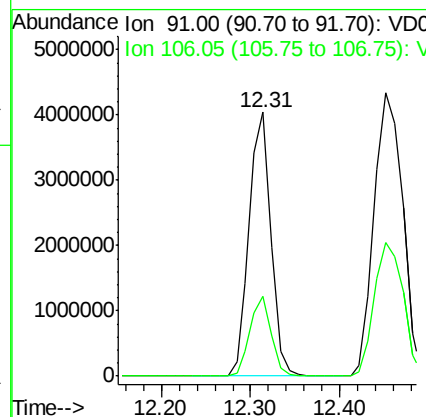
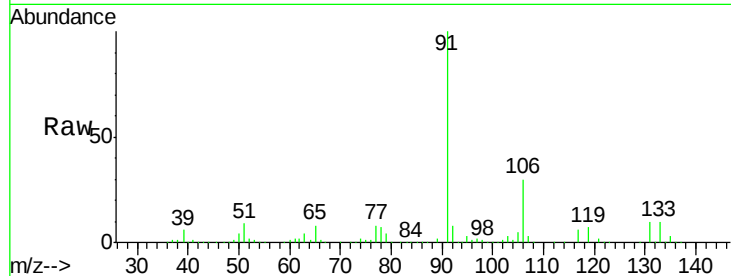




#67
Ethyl Benzene
Concen: 72.902 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

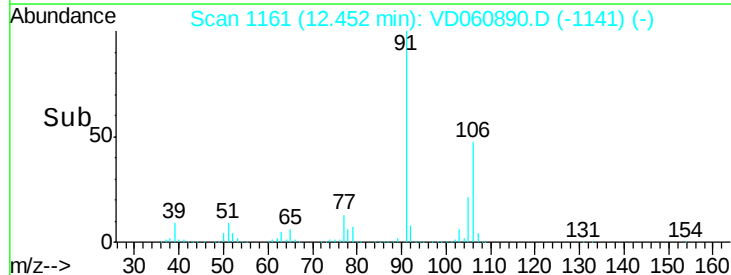
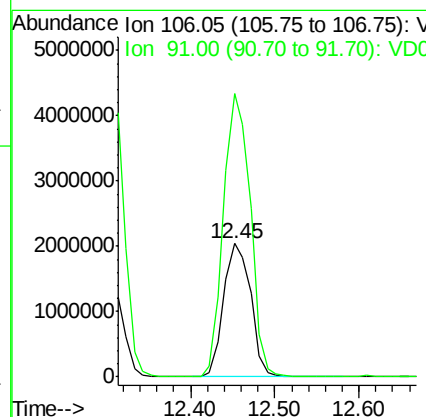
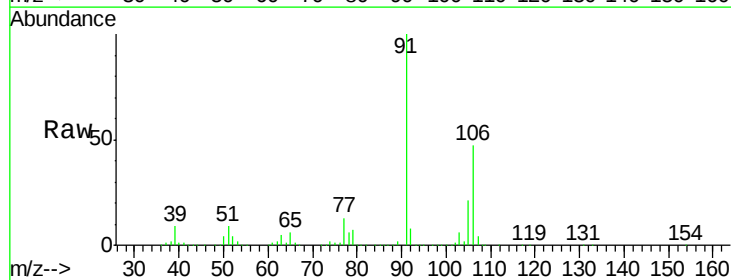
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

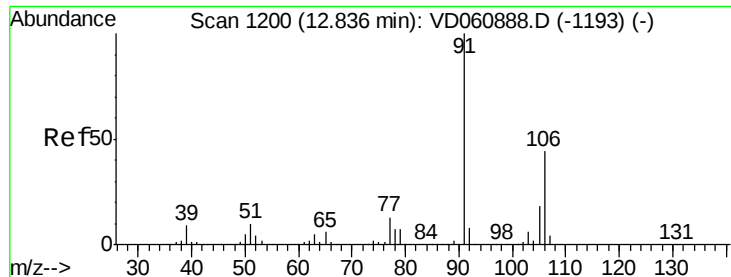
Tot Ion: 91 Resp: 6857008
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5



#68
m/p-Xylenes
Concen: 143.570 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 106 Resp: 4538614
Ion Ratio Lower Upper
106 100
91 212.3 169.6 254.4

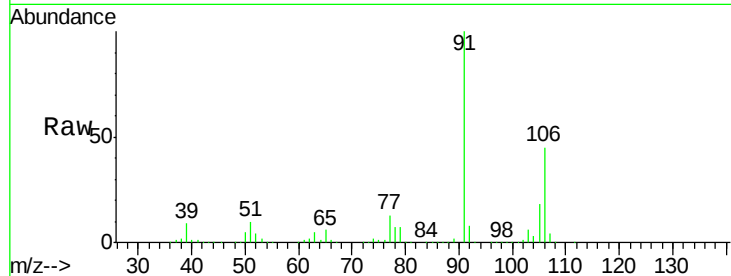




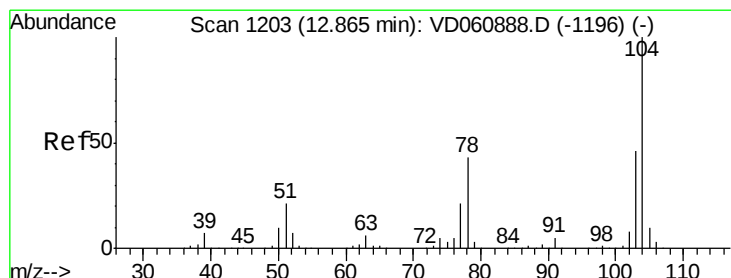
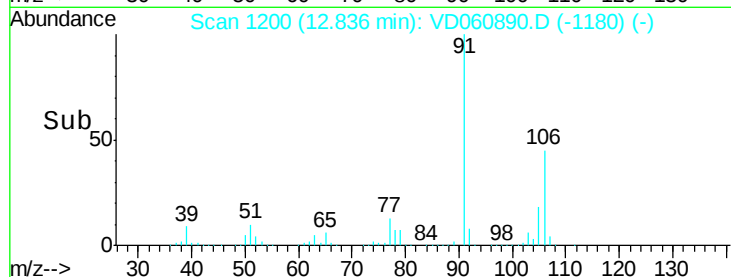
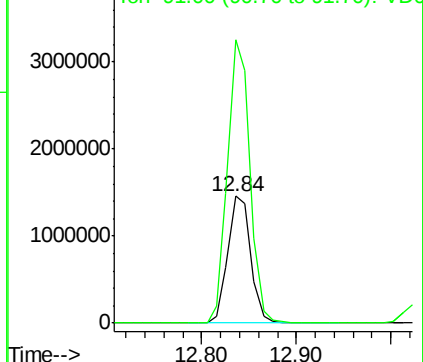
#69
o-Xylene
Concen: 81.162 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2440329
Ion Ratio Lower Upper
106 100
91 223.4 113.7 341.1

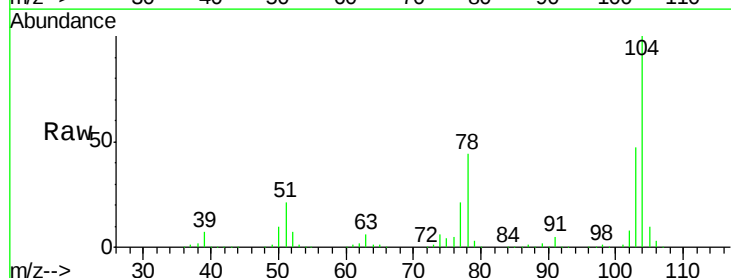


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

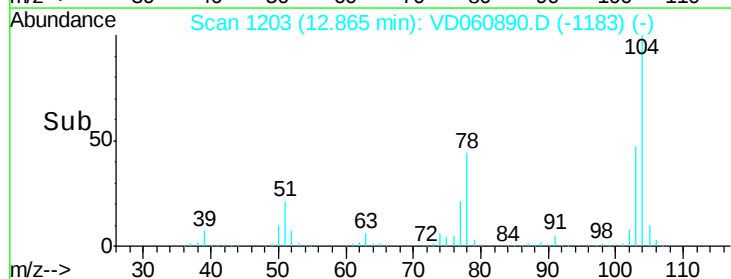
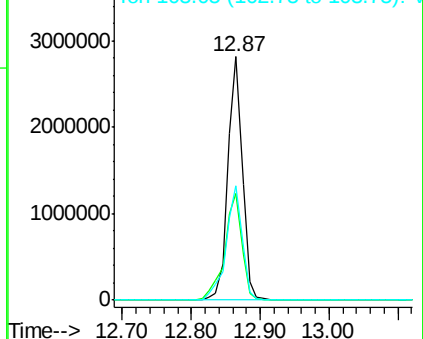


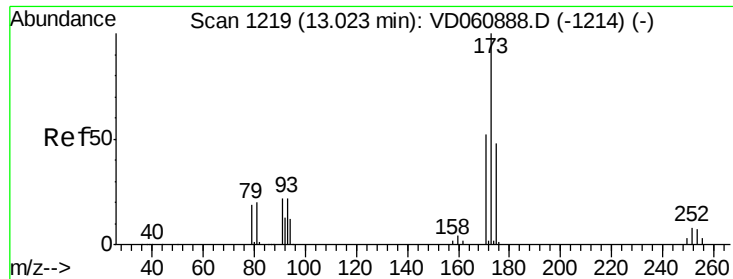
#70
Styrene
Concen: 84.451 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:104 Resp: 4099229
Ion Ratio Lower Upper
104 100
78 44.1 34.7 52.1
103 46.9 36.6 55.0



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

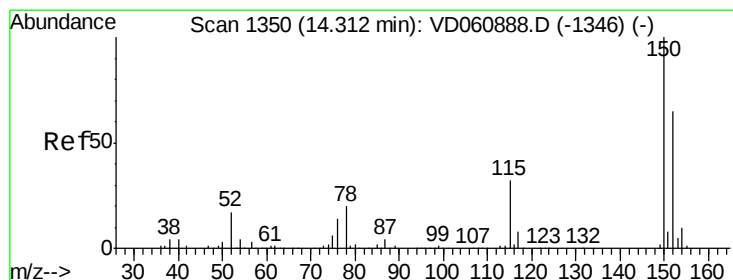
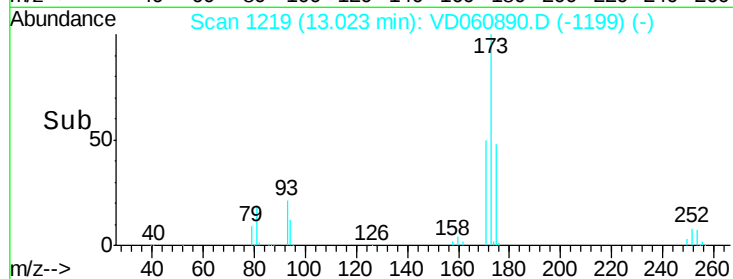
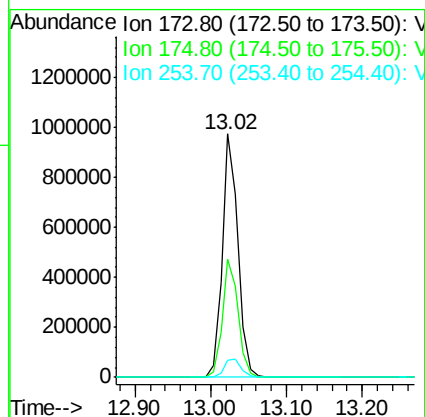
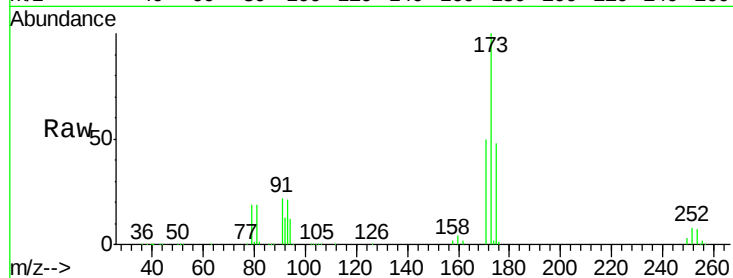




#71
Bromoform
Concen: 90.041 ug/l
RT: 13.02 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

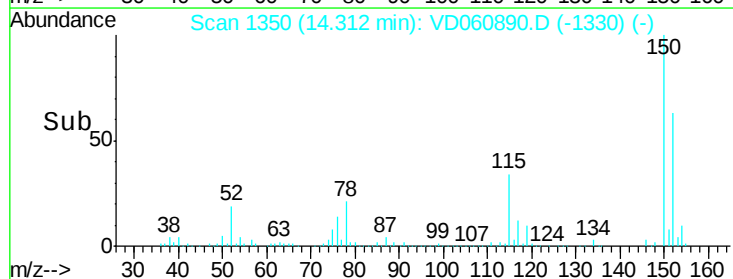
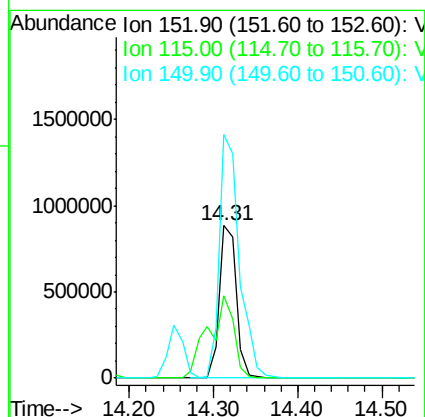
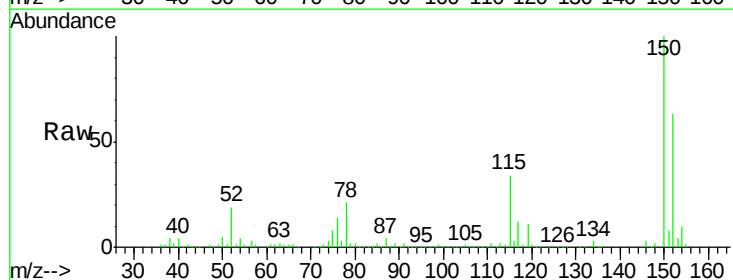
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

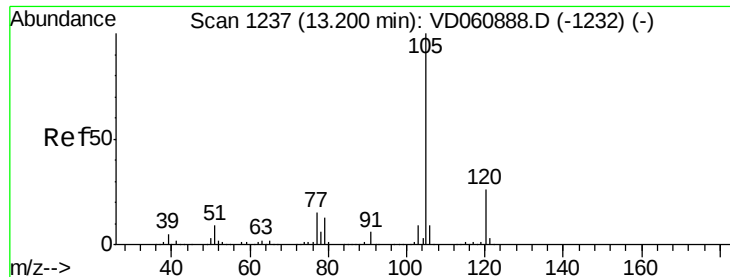
Tot Ion:173 Resp: 1416707
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 7.2 5.7 8.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:152 Resp: 1239529
Ion Ratio Lower Upper
152 100
115 54.0 26.3 78.9
150 159.5 0.0 312.0





#73

Isopropylbenzene

Concen: 71.869 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

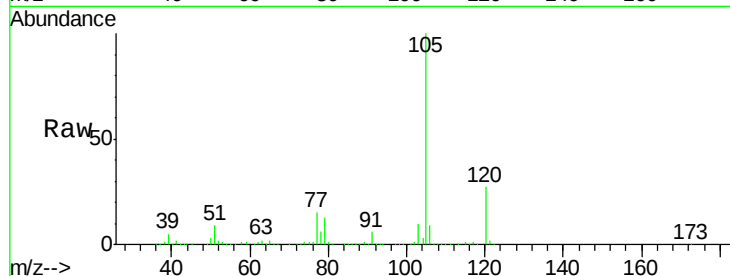
VSTDIC100

Tot Ion:105 Resp: 6500123

Ion Ratio Lower Upper

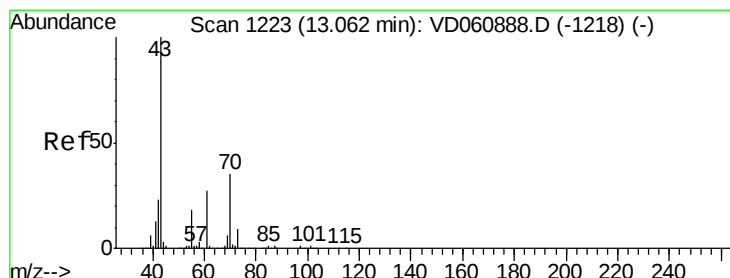
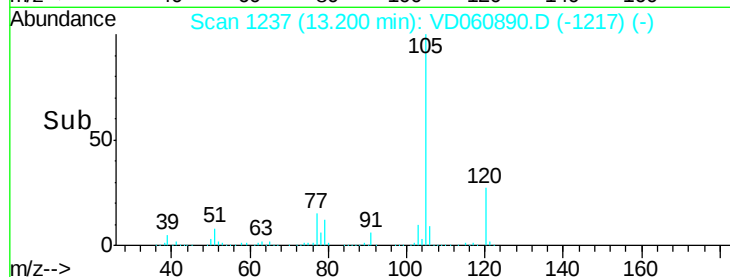
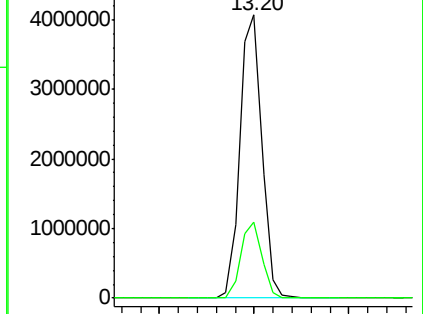
105 100

120 26.7 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 69.168 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Tgt Ion: 43 Resp: 2270780

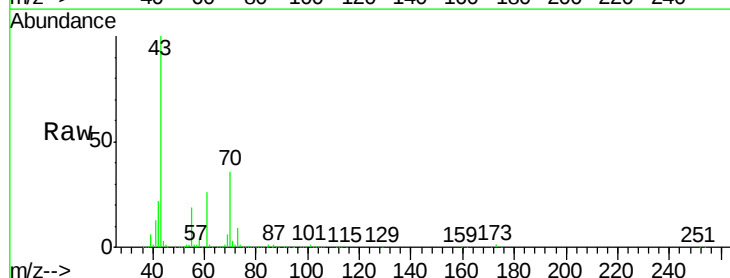
Ion Ratio Lower Upper

43 100

70 35.9 28.4 42.6

55 18.6 14.0 21.0

61 26.4 21.4 32.2

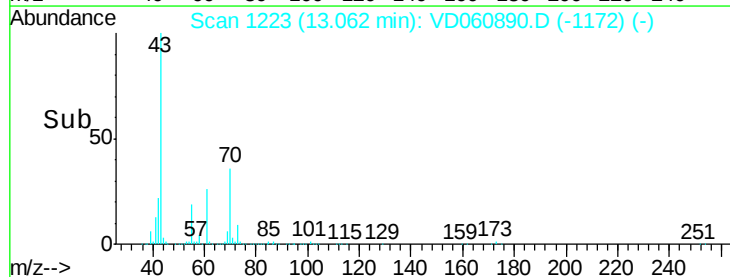
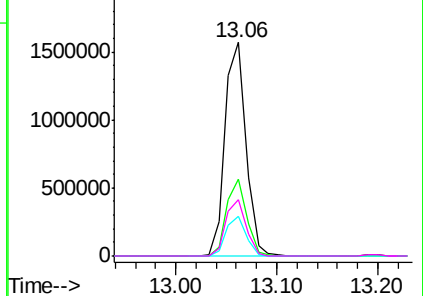


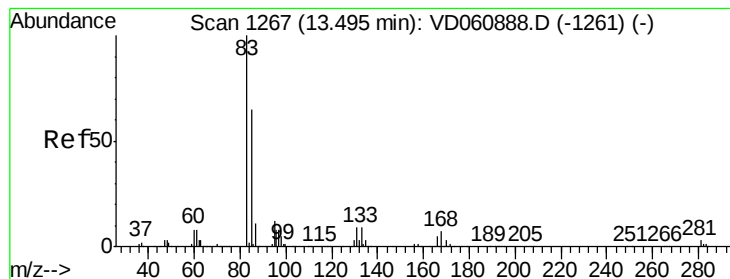
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 87.965 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

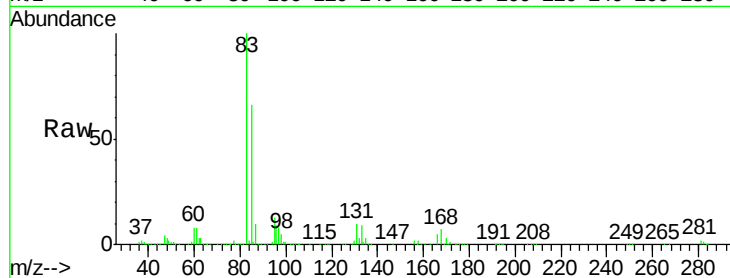
Tot Ion: 83 Resp: 1576044

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.4
85	66.0	32.7	98.1

83 100

131 9.7 4.5 13.4

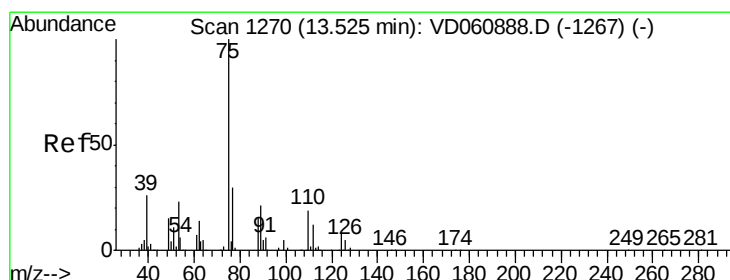
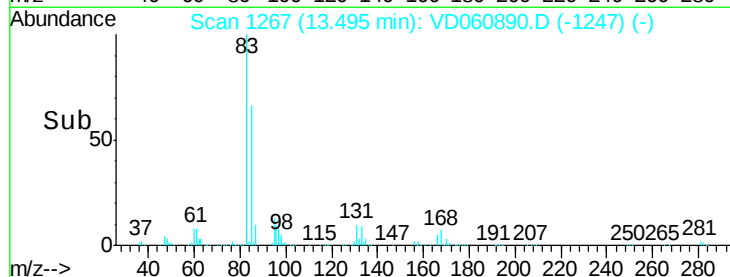
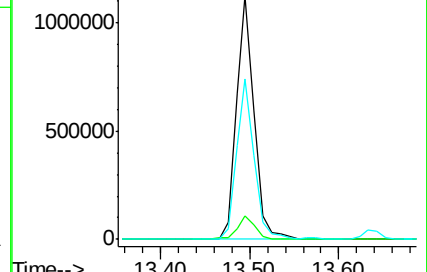
85 66.0 32.7 98.1



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: 76.235 ug/l

RT: 13.52 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD060890.D

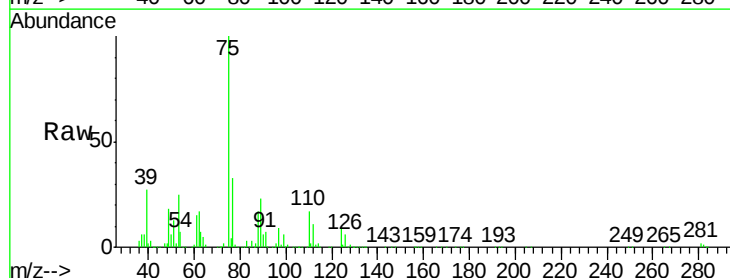
Acq: 21 Feb 2019 19:21

Tgt Ion: 75 Resp: 1556065

Ion	Ratio	Lower	Upper
75	100		
77	33.2	16.1	48.3

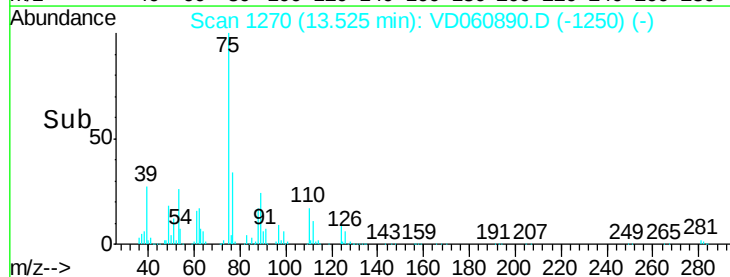
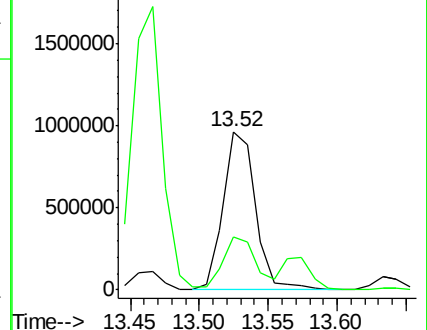
75 100

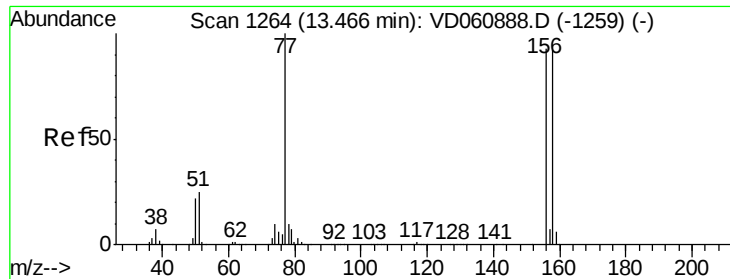
77 33.2 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 88.303 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

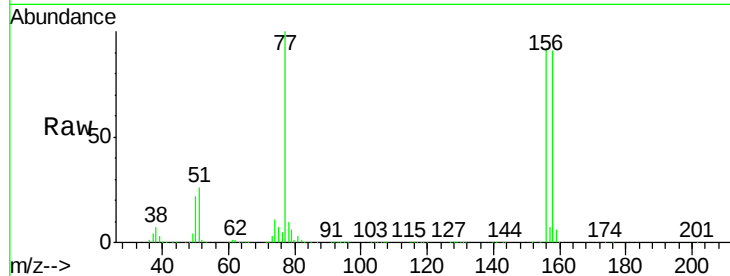
Tot Ion:156 Resp: 2199351

Ion Ratio Lower Upper

156 100

77 108.6 53.8 161.4

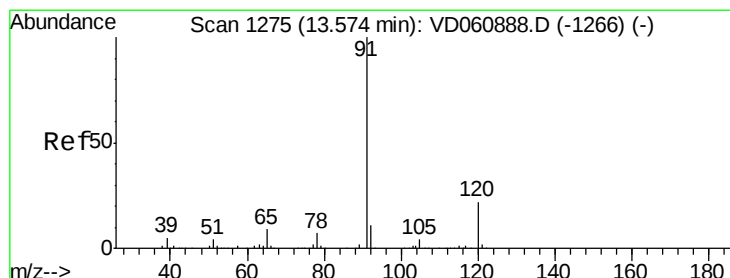
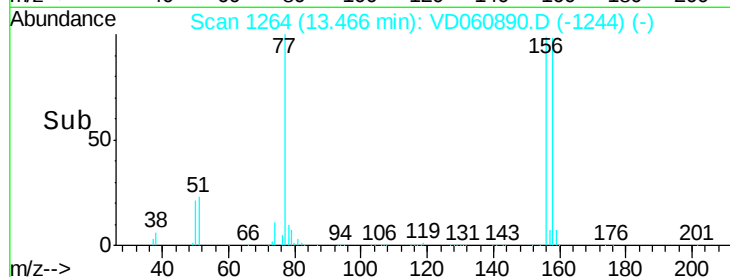
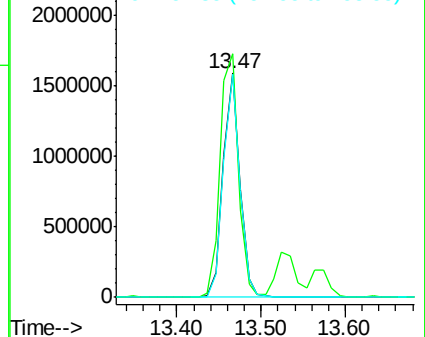
158 99.3 49.3 147.9



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: 69.429 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VD060890.D

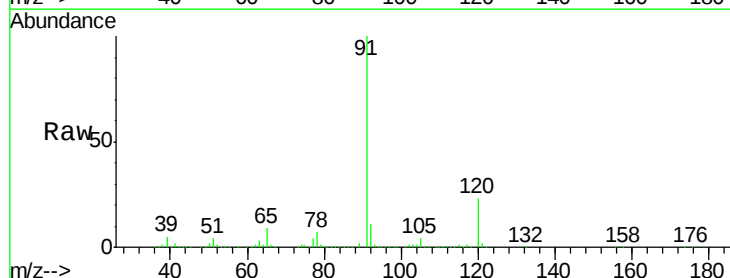
Acq: 21 Feb 2019 19:21

Tgt Ion: 91 Resp: 8169068

Ion Ratio Lower Upper

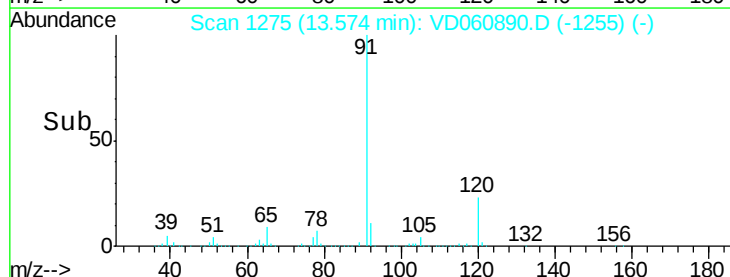
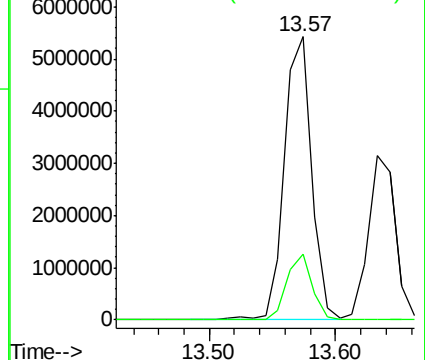
91 100

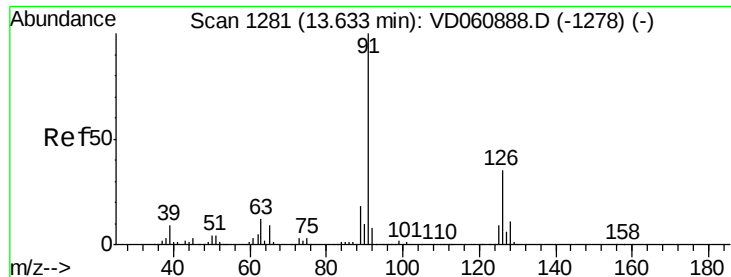
120 23.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

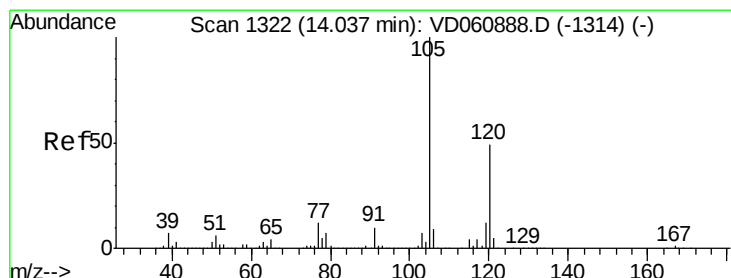
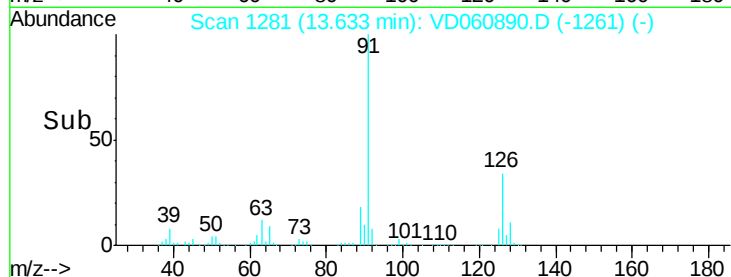
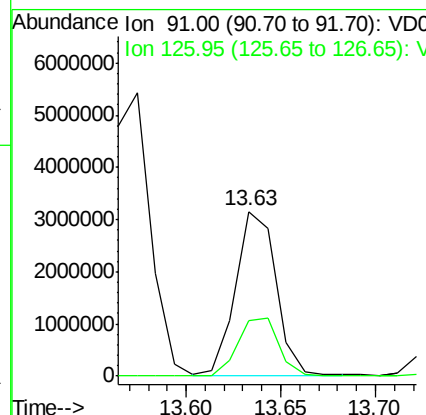
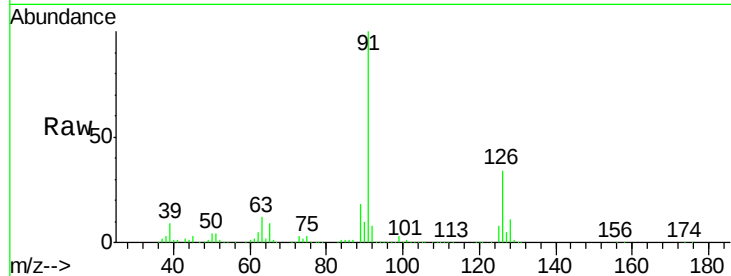




#79
2-Chlorotoluene
Concen: 71.398 ug/l
RT: 13.63 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

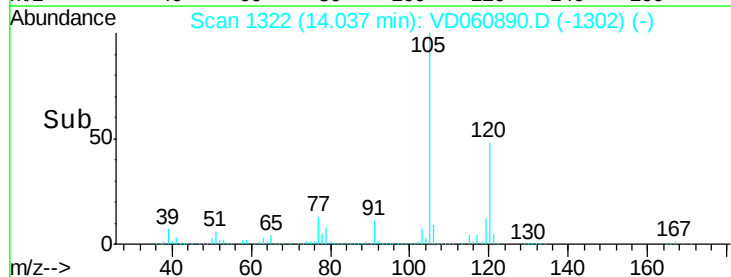
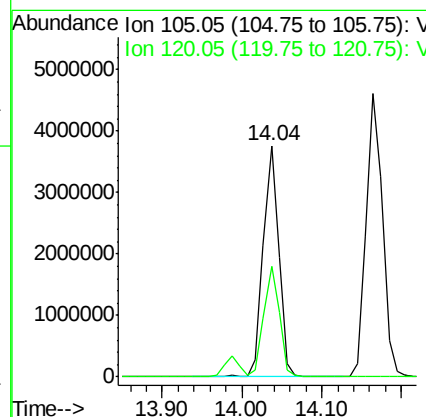
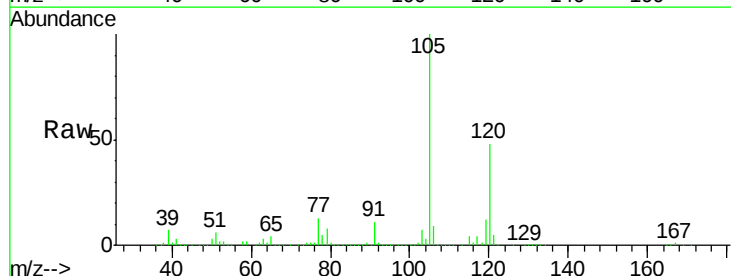
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

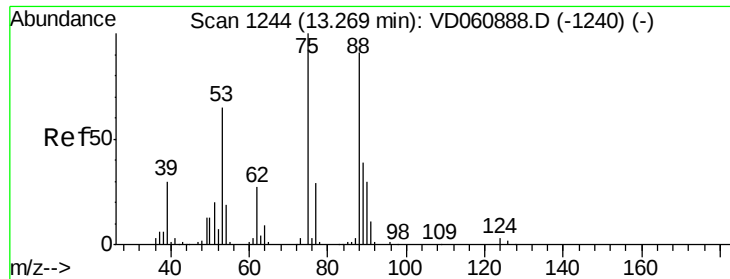
Tot Ion: 91 Resp: 4648671
Ion Ratio Lower Upper
91 100
126 33.7 17.3 51.7



#80
1,3,5-Trimethylbenzene
Concen: 66.702 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 105 Resp: 5003186
Ion Ratio Lower Upper
105 100
120 47.9 24.3 73.0

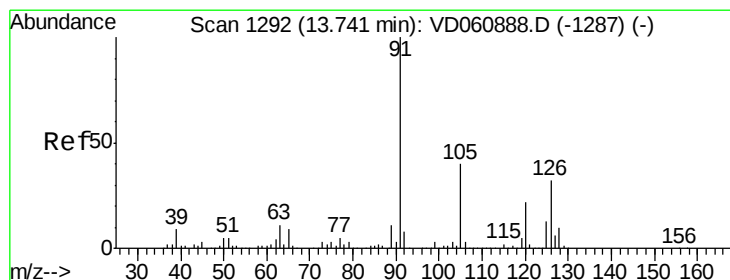
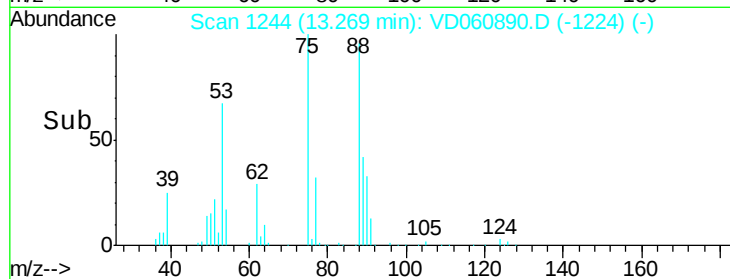
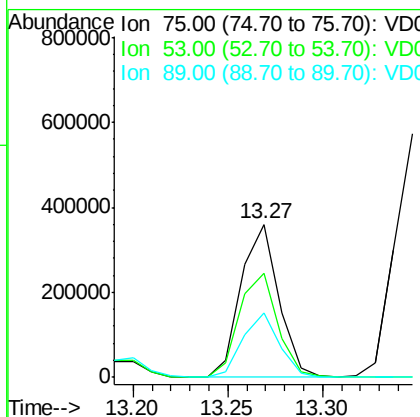
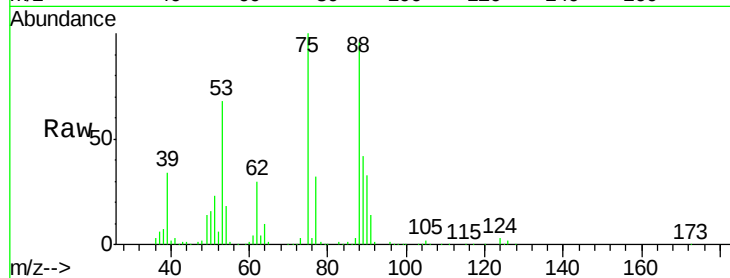




#81
trans-1,4-Dichloro-2-butene
Concen: 92.495 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

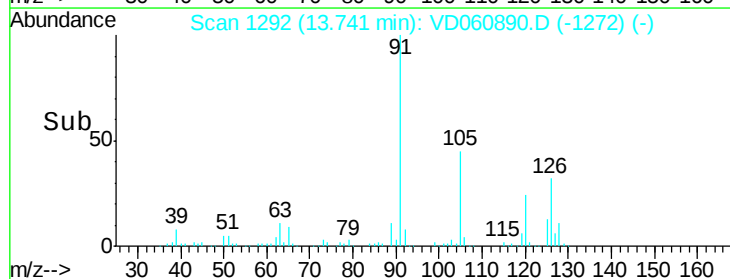
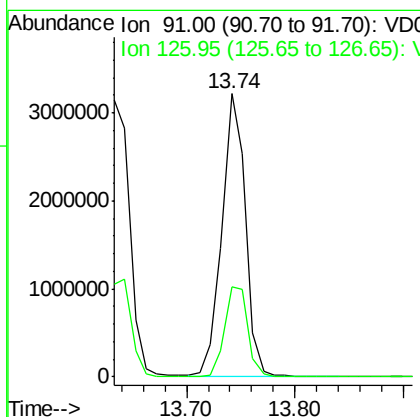
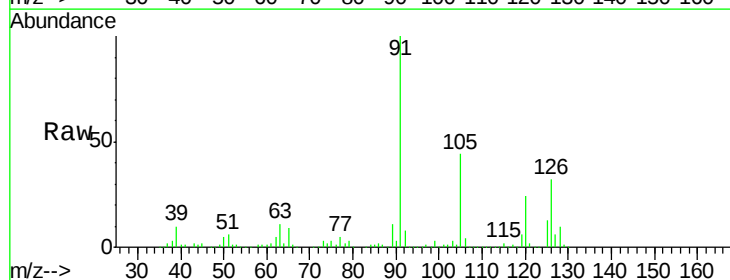
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

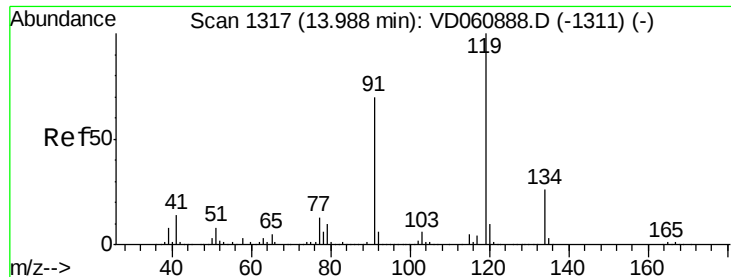
Tot Ion: 75 Resp: 498477
Ion Ratio Lower Upper
75 100
53 67.9 51.8 77.6
89 42.3 31.0 46.4



#82
4-Chlorotoluene
Concen: 65.464 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 91 Resp: 4844466
Ion Ratio Lower Upper
91 100
126 31.6 16.0 48.0

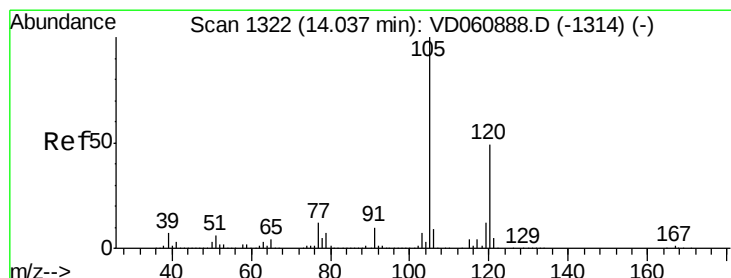
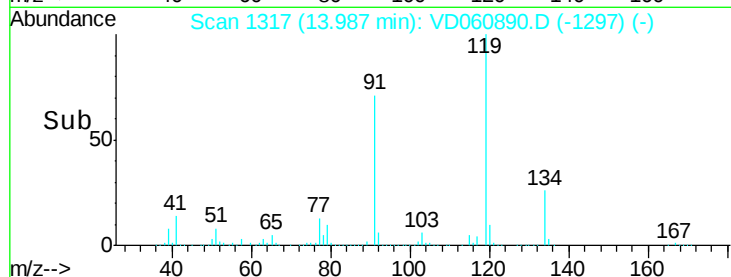
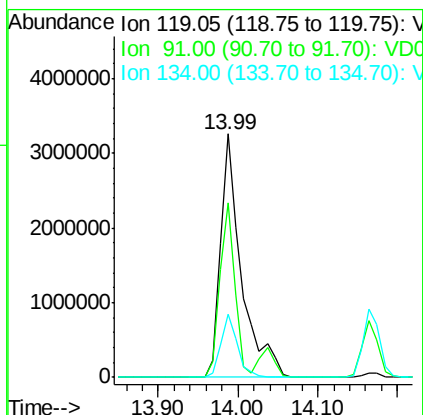
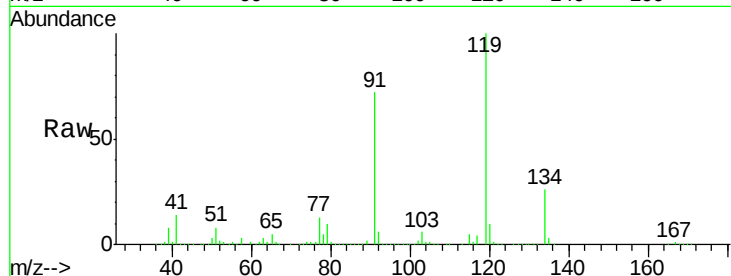




#83
tert-Butylbenzene
Concen: 72.203 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

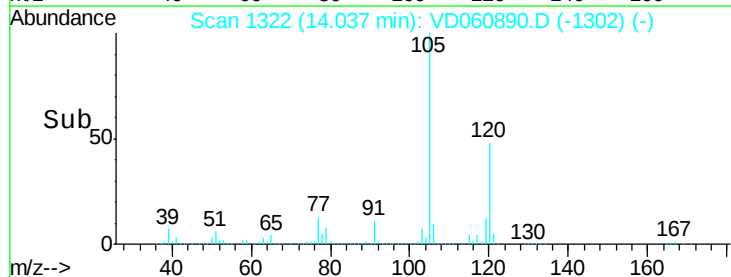
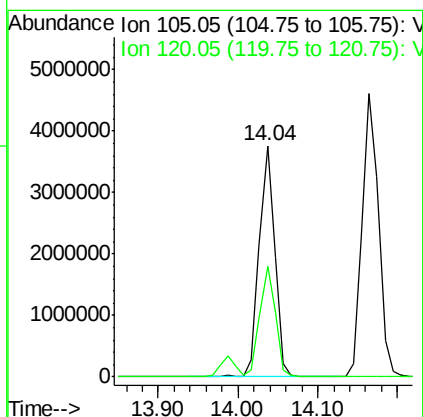
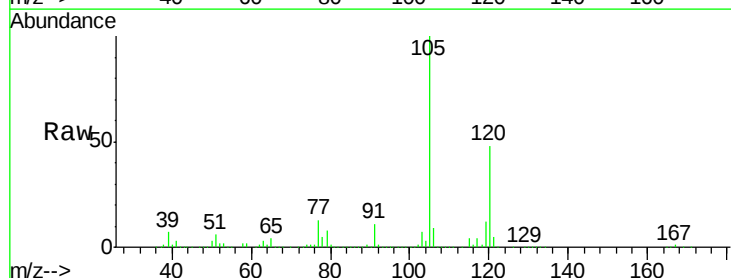
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

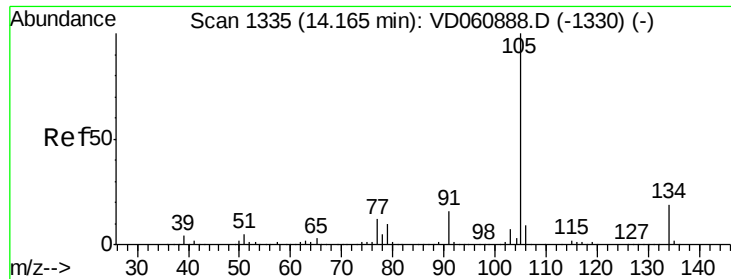
Tot Ion:119 Resp: 6029880
Ion Ratio Lower Upper
119 100
91 71.5 34.9 104.8
134 26.0 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 66.702 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:105 Resp: 5003186
Ion Ratio Lower Upper
105 100
120 47.9 24.3 73.0





#85

sec-Butylbenzene

Concen: 71.493 ug/l

RT: 14.16 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleID :

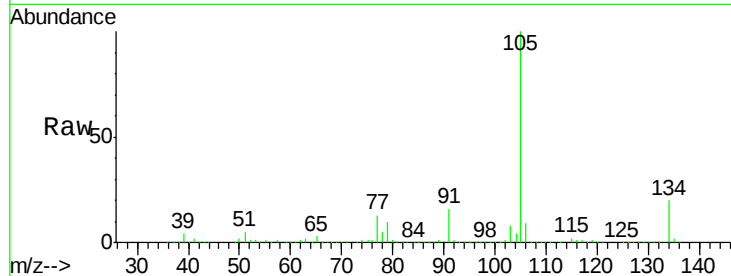
VSTDIC100

Tot Ion:105 Resp: 6537024

Ion Ratio Lower Upper

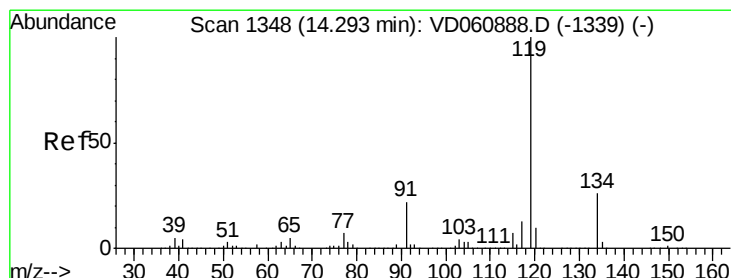
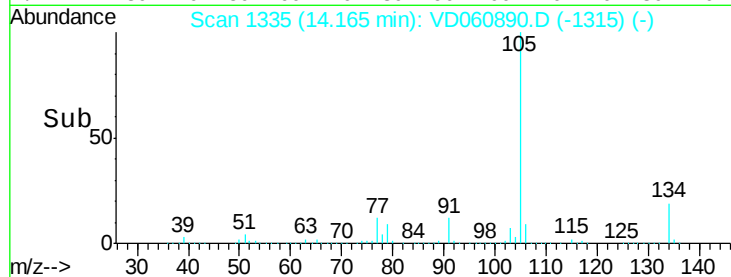
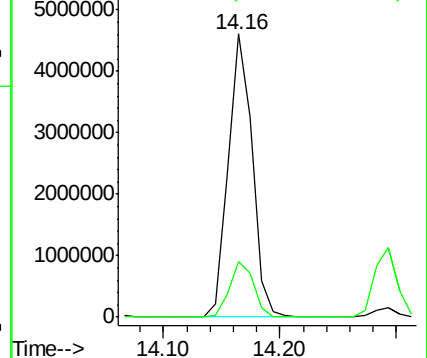
105 100

134 19.7 9.4 28.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 74.520 ug/l

RT: 14.29 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

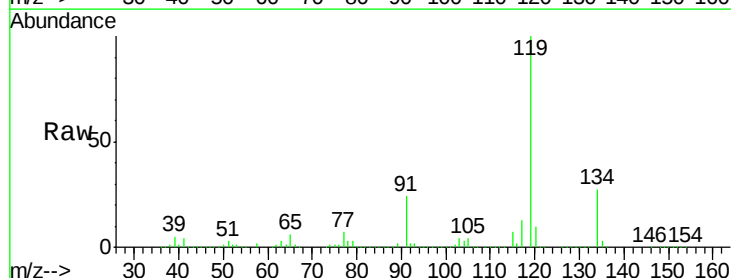
Tgt Ion:119 Resp: 5715614

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

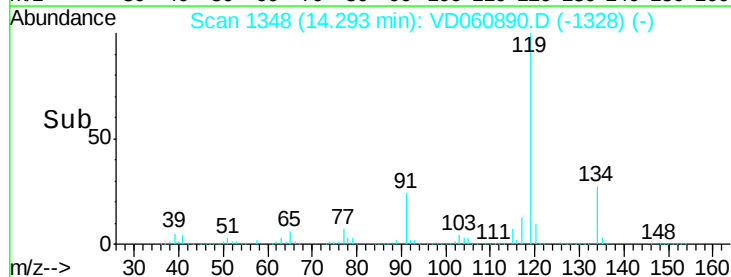
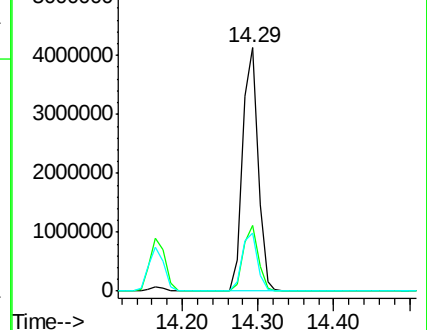
91 24.0 11.3 33.9

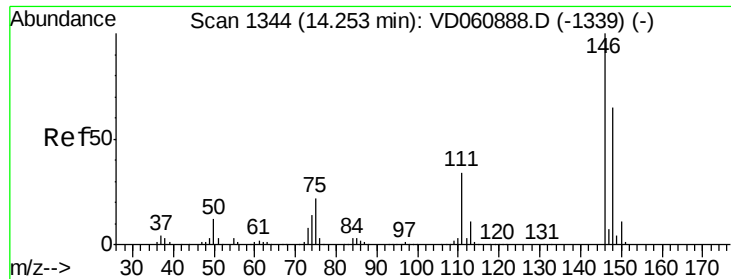


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

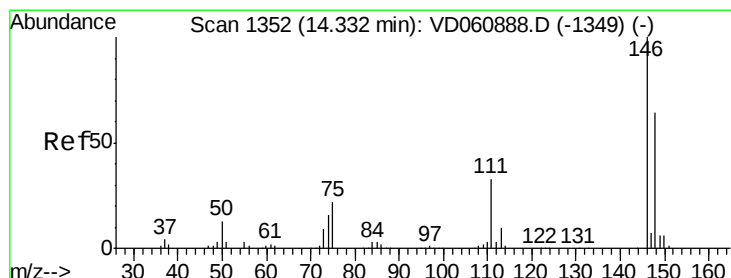
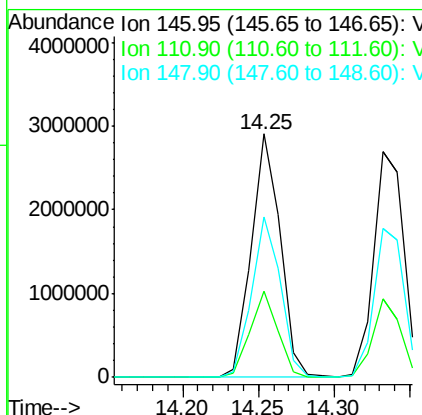
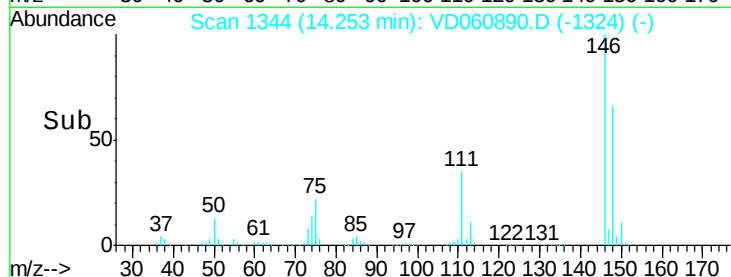
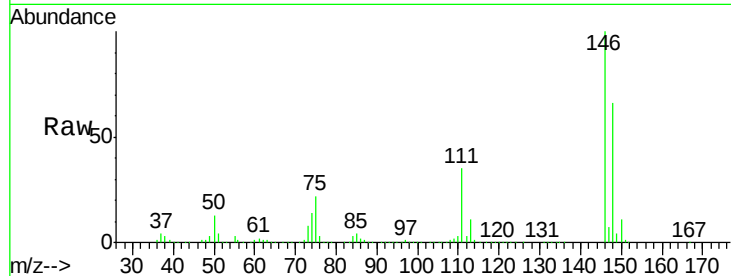




#87
 1,3-Dichlorobenzene
 Concen: 90.352 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

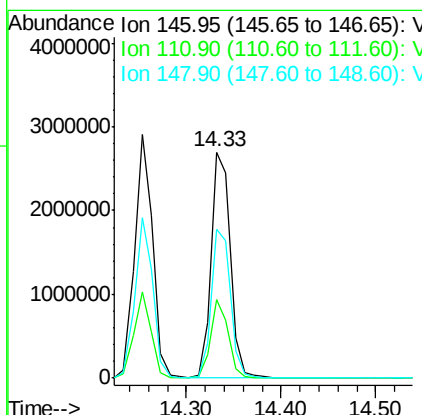
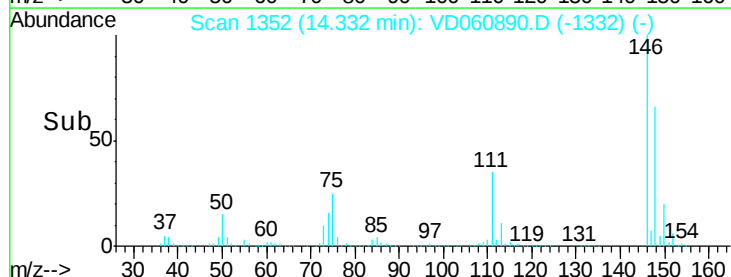
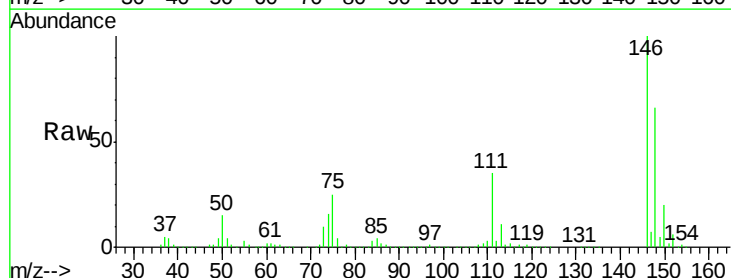
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

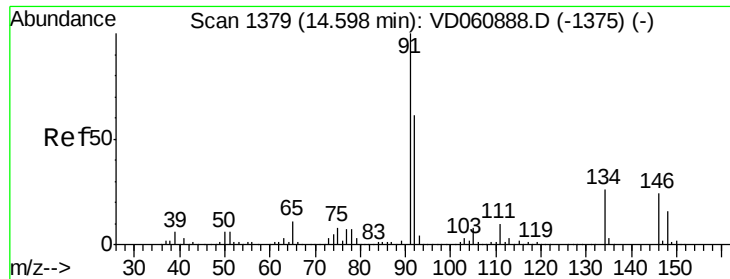
Tot Ion:146 Resp: 3886247
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.3 51.7
 148 65.9 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 88.103 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Tgt Ion:146 Resp: 3814988
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.5 49.5
 148 65.8 32.1 96.3

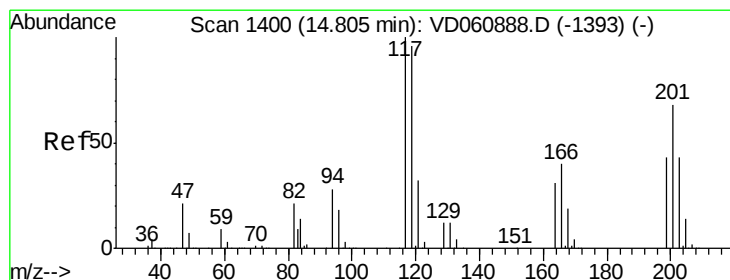
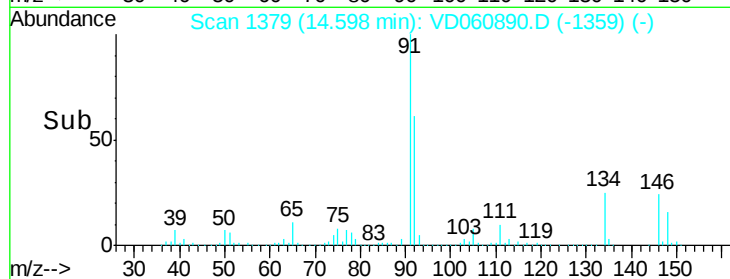
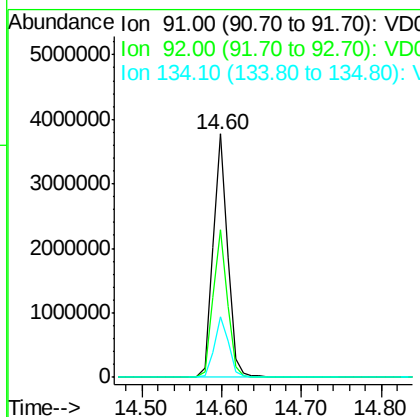
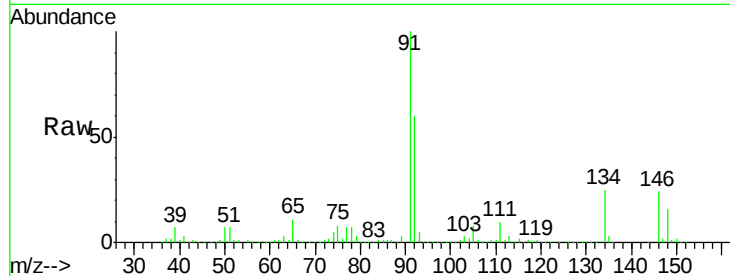




#89
n-Butylbenzene
Concen: 62.018 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

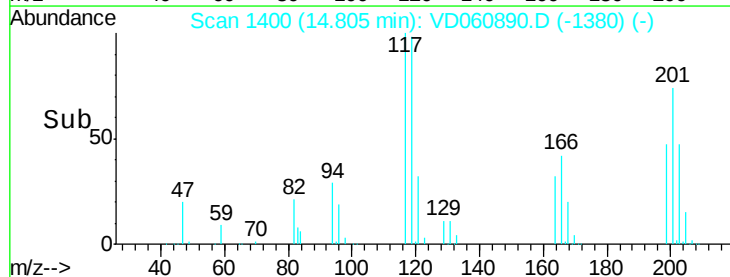
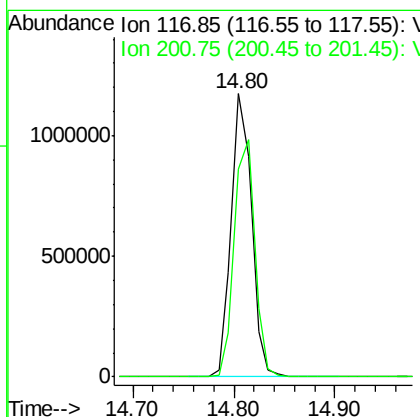
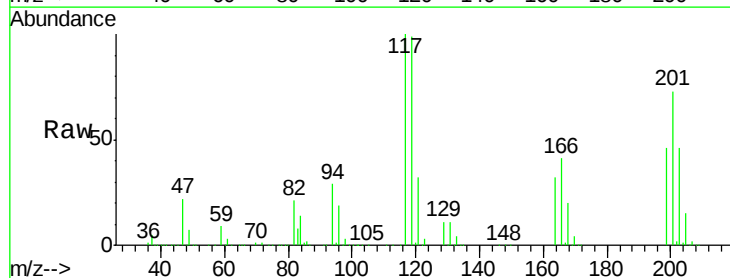
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

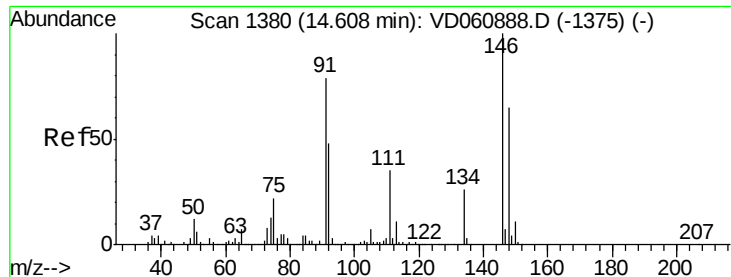
Tot Ion: 91 Resp: 4858556
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.8
134 25.0 12.8 38.3



#90
Hexachloroethane
Concen: 79.613 ug/l
RT: 14.80 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion: 117 Resp: 1644417
Ion Ratio Lower Upper
117 100
201 73.5 34.2 102.6





#91

1,2-Dichlorobenzene

Concen: 73.897 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

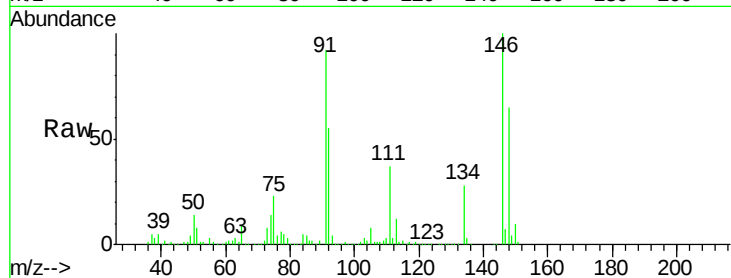
Tot Ion:146 Resp: 2715143

Ion Ratio Lower Upper

146 100

111 37.2 17.4 52.2

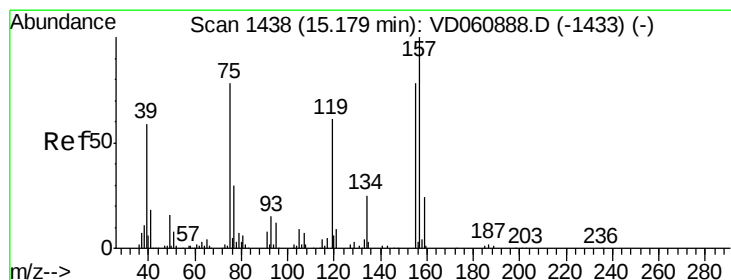
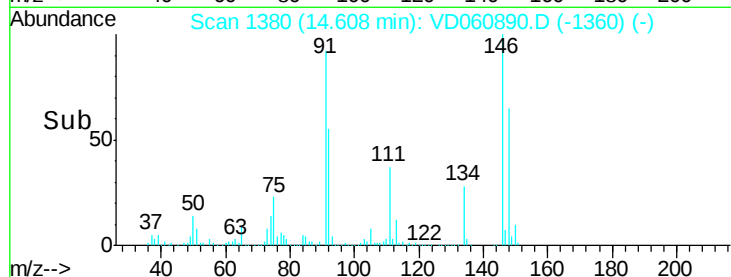
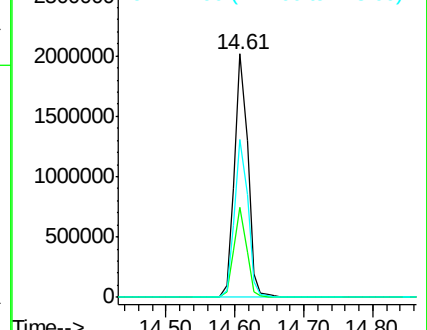
148 64.9 32.6 97.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 77.072 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. -0.00 min

Lab File: VD060890.D

Acq: 21 Feb 2019 19:21

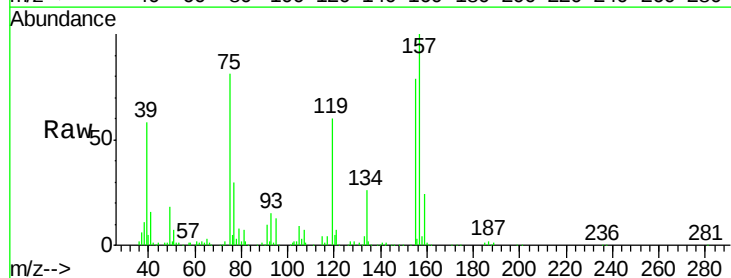
Tgt Ion: 75 Resp: 226210

Ion Ratio Lower Upper

75 100

155 97.9 49.9 149.6

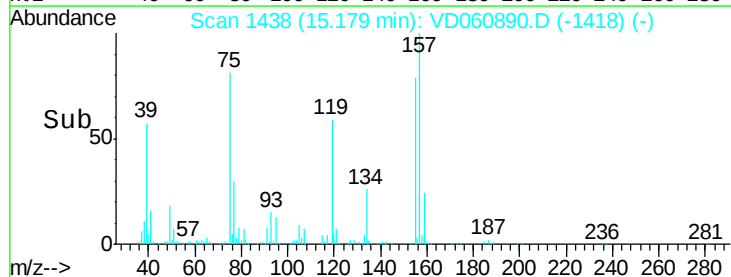
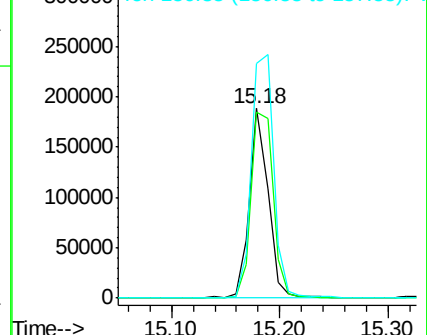
157 123.6 64.3 192.9

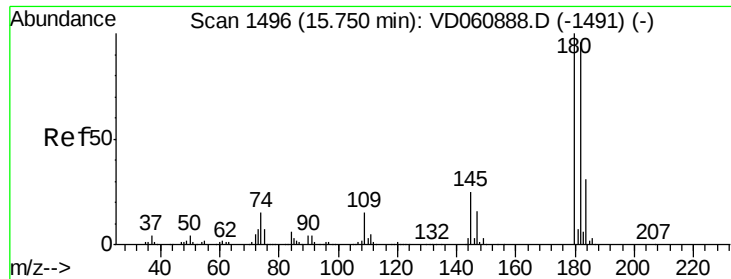


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

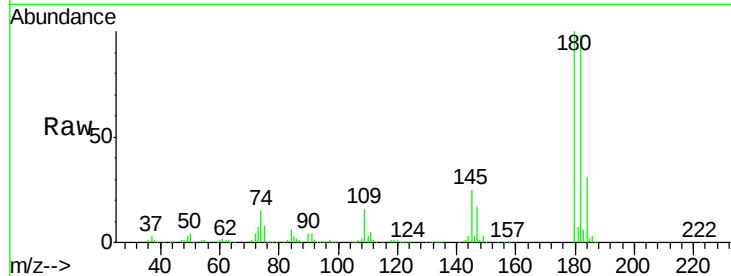




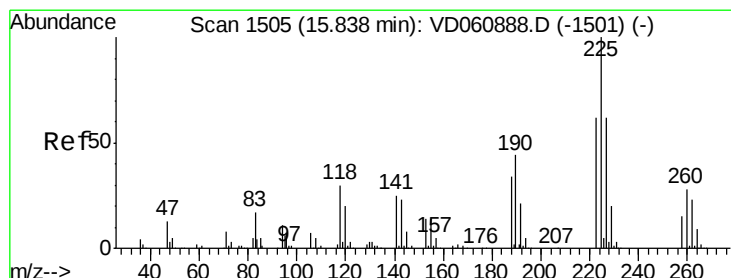
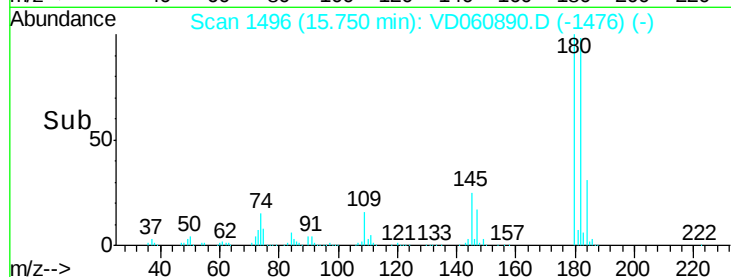
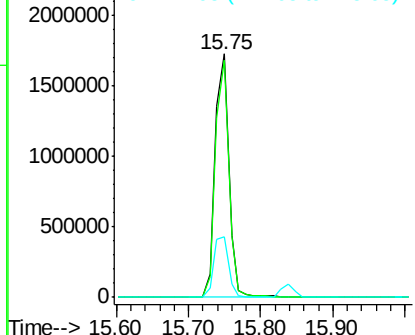
#93
 1,2,4-Trichlorobenzene
 Concen: 74.727 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 2273532
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.8 143.3
 145 25.0 12.4 37.4

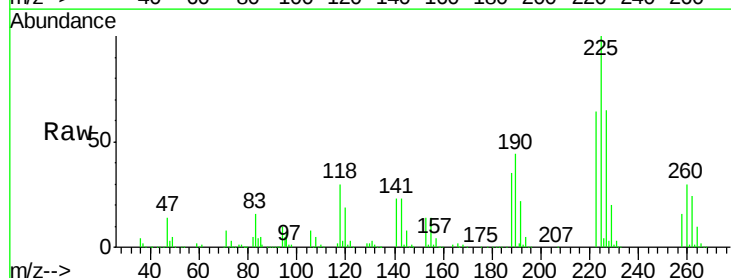


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

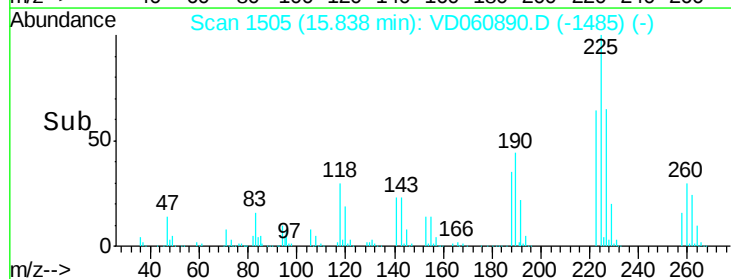
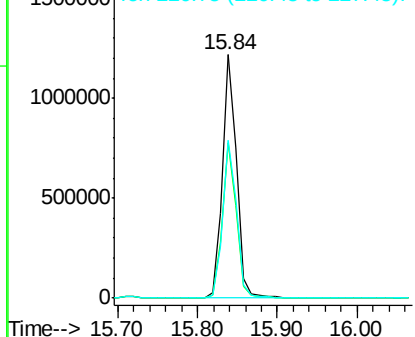


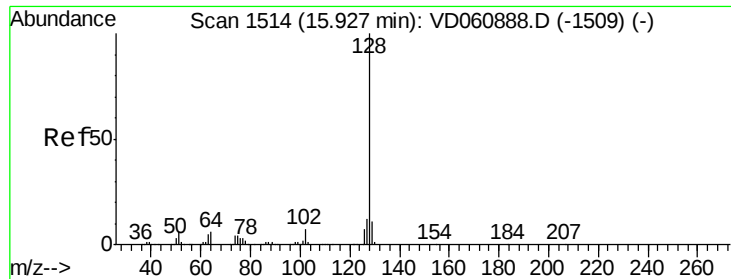
#94
 Hexachlorobutadiene
 Concen: 57.914 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060890.D
 Acq: 21 Feb 2019 19:21

Tgt Ion:225 Resp: 1525791
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.1 93.5
 227 64.6 31.2 93.6



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

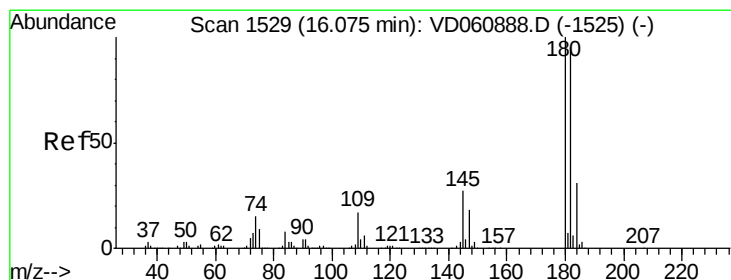
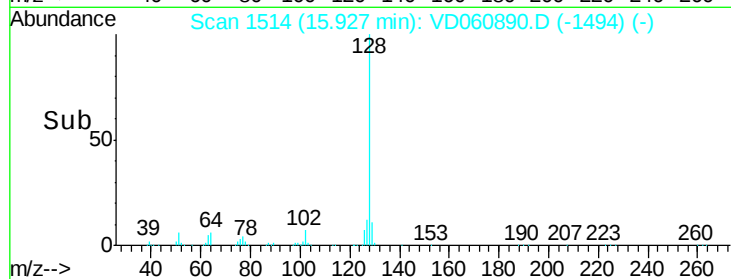
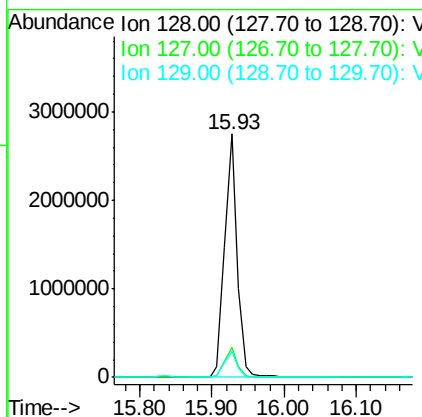
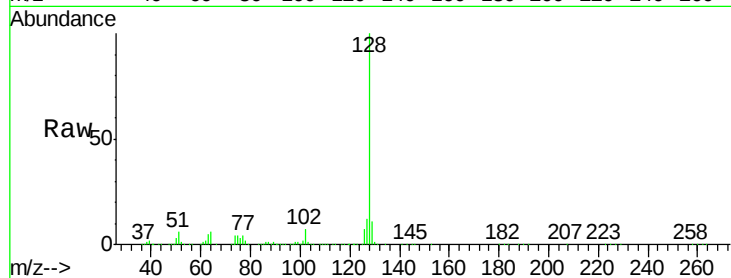




#95
Naphthalene
Concen: 81.749 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 3317604
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 10.9 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 67.285 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VD060890.D
Acq: 21 Feb 2019 19:21

Tgt Ion:180 Resp: 1654507
Ion Ratio Lower Upper
180 100
182 95.7 47.7 143.1
145 26.7 13.5 40.4

