

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061640.D
 Acq On : 6 Apr 2019 13:30
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:06:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	750216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1316975	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	977308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	460681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	389916	70.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.14%	
35) Dibromofluoromethane	6.92	113	612654	68.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.12%	
50) Toluene-d8	10.41	98	1435439	65.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.66%	
62) 4-Bromofluorobenzene	13.55	95	510532	60.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.86%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	549614	69.819	ug/l 99
3) Chloromethane	1.76	50	447346	70.426	ug/l 96
4) Vinyl Chloride	1.85	62	440551	72.201	ug/l 98
5) Bromomethane	2.15	94	80430	58.825	ug/l 99
6) Chloroethane	2.26	64	144142	75.185	ug/l 95
7) Trichlorofluoromethane	2.52	101	650890	72.480	ug/l 99
8) Diethyl Ether	2.87	74	192107	73.861	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	625330	69.945	ug/l 97
10) Methyl Iodide	3.30	142	1037239	90.142	ug/l 99
11) Tert butyl alcohol	4.06	59	149908	392.631	ug/l 96
12) 1,1-Dichloroethene	3.12	96	550838	71.043	ug/l 97
13) Acrolein	3.04	56	171099	373.077	ug/l 99
14) Allyl chloride	3.62	41	797332	74.031	ug/l 97
15) Acrylonitrile	4.19	53	459011	364.853	ug/l 96
16) Acetone	3.21	43	720844	437.063	ug/l 100
17) Carbon Disulfide	3.37	76	1826815	72.465	ug/l 100
18) Methyl Acetate	3.64	43	234615	73.188	ug/l 100
19) Methyl tert-butyl Ether	4.23	73	967119	72.791	ug/l 98
20) Methylene Chloride	3.81	84	612699	65.026	ug/l 99
21) trans-1,2-Dichloroethene	4.22	96	585244	69.994	ug/l 98
22) Diisopropyl ether	5.11	45	1585741	71.788	ug/l 99
23) Vinyl Acetate	5.05	43	4421408	362.113	ug/l 99
24) 1,1-Dichloroethane	4.98	63	971966	71.400	ug/l 100
25) 2-Butanone	6.06	43	743296	385.632	ug/l 97
26) 2,2-Dichloropropane	6.02	77	785817	71.051	ug/l 100
27) cis-1,2-Dichloroethene	6.03	96	625774	70.226	ug/l 94
28) Bromochloromethane	6.43	49	366361	75.359	ug/l 96
29) Tetrahydrofuran	6.44	42	343013	371.594	ug/l 99
30) Chloroform	6.66	83	1021649	72.114	ug/l 99
31) Cyclohexane	6.95	56	694351	66.520	ug/l 98
32) 1,1,1-Trichloroethane	6.87	97	909788	73.113	ug/l 100
36) 1,1-Dichloropropene	7.14	75	745046	63.275	ug/l 100
37) Ethyl Acetate	6.18	43	329378	67.384	ug/l 96
38) Carbon Tetrachloride	7.11	117	958855	70.497	ug/l 98

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 QLast Update : Mon Apr 08 07:00:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	844369	68.788	ug/l	98
40) Benzene	7.46	78	1860782	65.315	ug/l	99
41) Methacrylonitrile	6.44	41	380328	69.036	ug/l	95
42) 1,2-Dichloroethane	7.57	62	598410	66.456	ug/l	99
43) Isopropyl Acetate	9.23	43	493305	70.226	ug/l	99
44) Trichloroethene	8.54	130	717834	66.141	ug/l	96
45) 1,2-Dichloropropane	8.93	63	438138	62.782	ug/l	98
46) Dibromomethane	9.06	93	351391	71.036	ug/l	92
47) Bromodichloromethane	9.37	83	748053	67.652	ug/l	99
48) Methyl methacrylate	9.11	41	295739	76.142	ug/l	98
49) 1,4-Dioxane	9.07	88	67037	1559.325	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	1335447	322.868	ug/l	98
52) Toluene	10.51	92	1162854	65.892	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	673288	68.947	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	777008	64.591	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	391395	67.265	ug/l	98
56) Ethyl methacrylate	11.04	69	430715	68.126	ug/l	100
57) 1,3-Dichloropropane	11.40	76	569371	64.808	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	952118	332.407	ug/l	99
59) 2-Hexanone	11.53	43	1149542	368.266	ug/l	96
60) Dibromochloromethane	11.68	129	666522	71.963	ug/l	99
61) 1,2-Dibromoethane	11.80	107	464035	67.580	ug/l	99
64) Tetrachloroethene	11.26	164	548662	73.571	ug/l	98
65) Chlorobenzene	12.40	112	1301897	67.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	552061	72.052	ug/l	96
67) Ethyl Benzene	12.53	91	2058387	67.066	ug/l	98
68) m/p-Xylenes	12.66	106	1440303	127.049	ug/l	94
69) o-Xylene	13.05	106	750303	68.434	ug/l	95
70) Styrene	13.07	104	1311797	69.869	ug/l	99
71) Bromoform	13.23	173	353627	77.339	ug/l #	94
73) Isopropylbenzene	13.40	105	2118942	68.341	ug/l	99
74) N-amyl acetate	13.26	43	613188	73.173	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	460766	74.318	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	459695	74.362	ug/l	96
77) Bromobenzene	13.67	156	651351	71.704	ug/l	87
78) n-propylbenzene	13.78	91	2469125	67.699	ug/l	94
79) 2-Chlorotoluene	13.84	91	1440779	69.084	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1562933	64.228	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	154272	80.631	ug/l	95
82) 4-Chlorotoluene	13.94	91	1476149	64.778	ug/l	96
83) tert-Butylbenzene	14.19	119	1880892	64.607	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1637871	65.500	ug/l	95
85) sec-Butylbenzene	14.37	105	2024313	65.101	ug/l	95
86) p-Isopropyltoluene	14.49	119	1954034	68.117	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1078954	69.744	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	994981	64.932	ug/l	96
89) n-Butylbenzene	14.80	91	1511313	61.367	ug/l	97
90) Hexachloroethane	15.01	117	536636	72.472	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	769695	60.672	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59186	76.300	ug/l	68

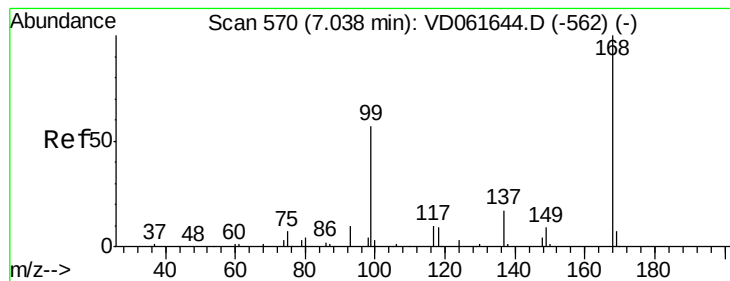
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	435050	67.787	ug/l	98
94) Hexachlorobutadiene	16.03	225	347076	70.281	ug/l	98
95) Naphthalene	16.12	128	698269	68.986	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	192216	60.488	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

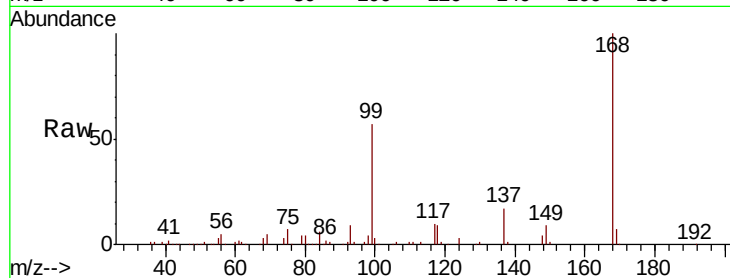
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 750216

Ion Ratio Lower Upper

168 100

99 57.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

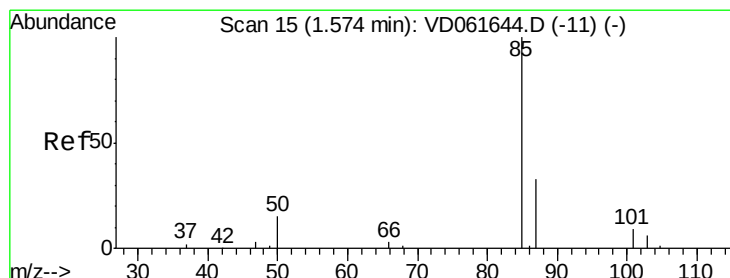
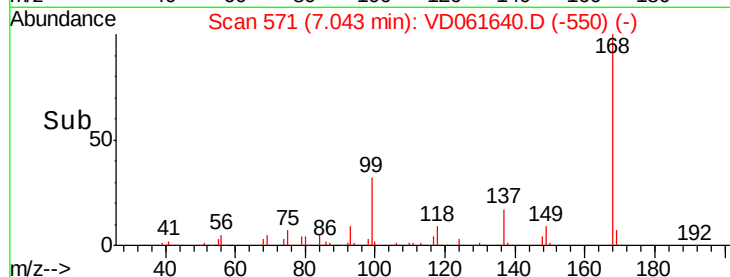
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 69.819 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061640.D

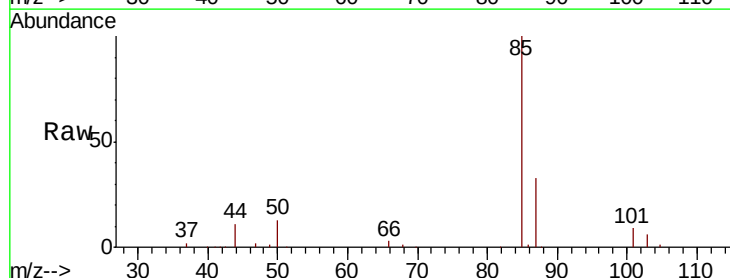
Acq: 6 Apr 2019 13:30

Tgt Ion: 85 Resp: 549614

Ion Ratio Lower Upper

85 100

87 33.5 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

150000

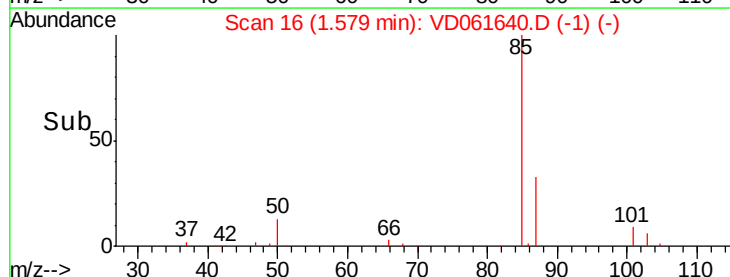
100000

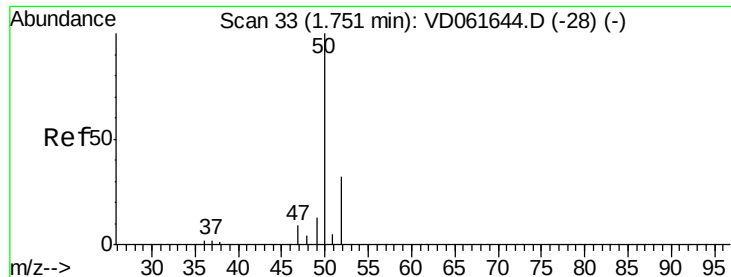
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 70.426 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

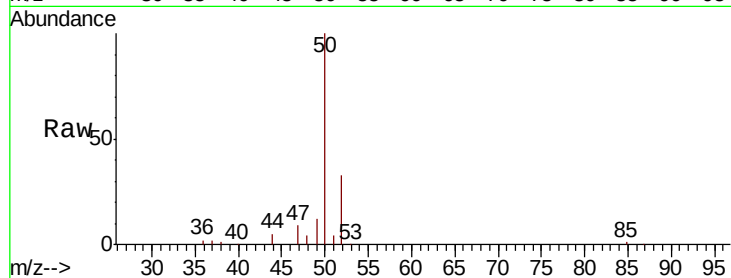
ClientSampleId :

Tot Ion: 50 Resp: 447346

Ion Ratio Lower Upper

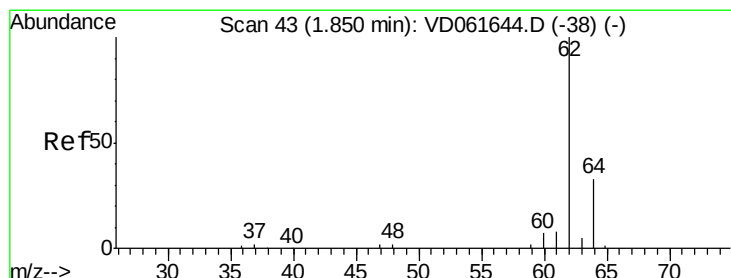
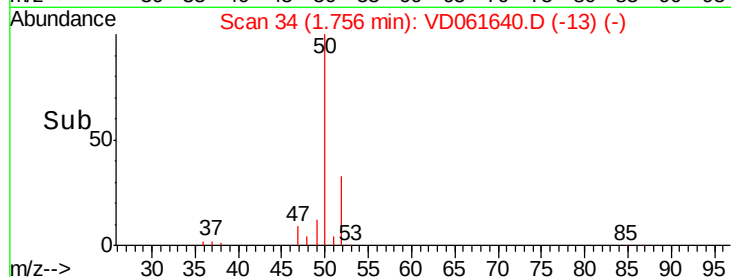
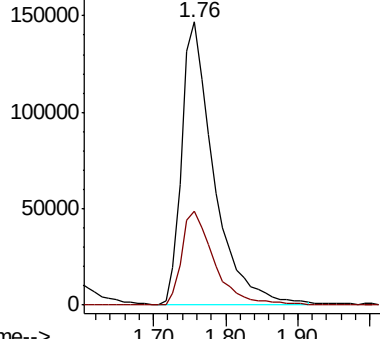
50 100

52 33.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 72.201 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061640.D

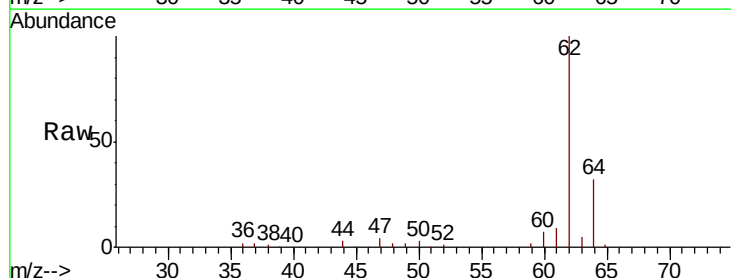
Acq: 6 Apr 2019 13:30

Tgt Ion: 62 Resp: 440551

Ion Ratio Lower Upper

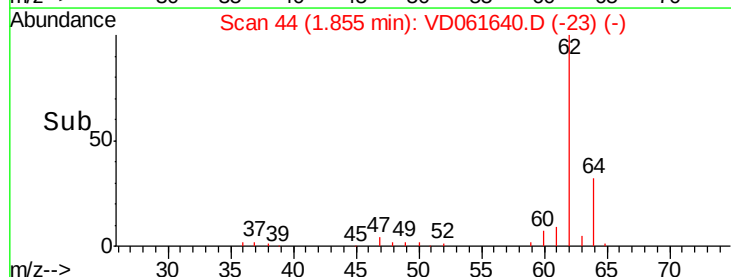
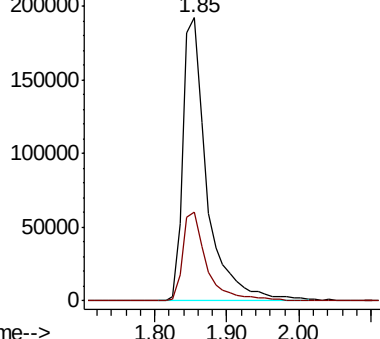
62 100

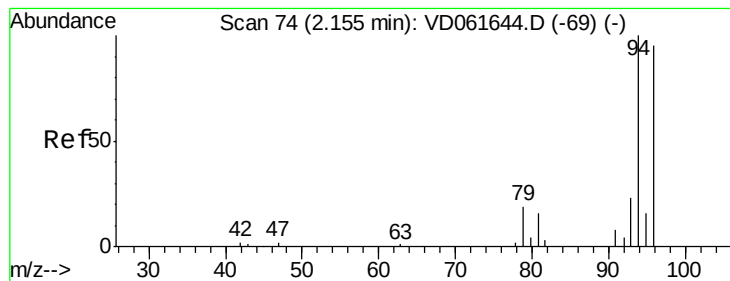
64 31.5 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.825 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampled :

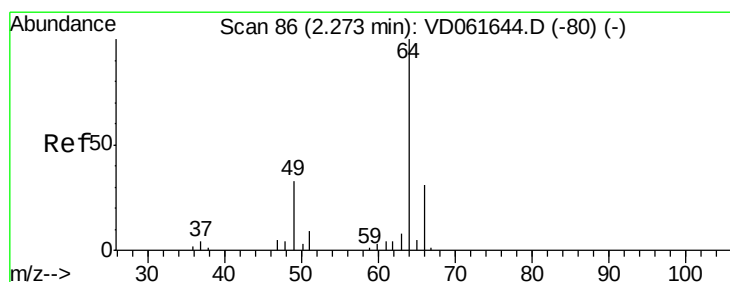
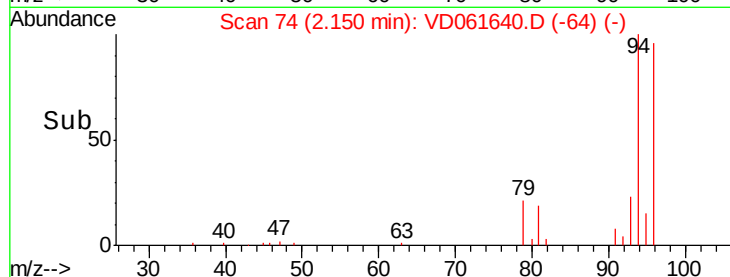
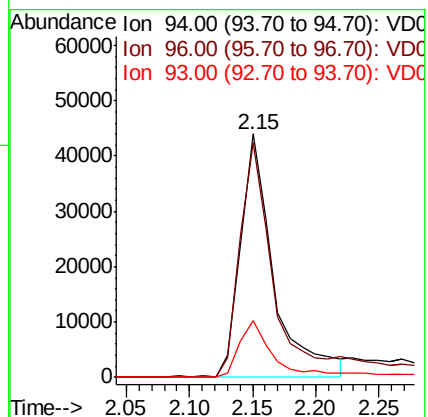
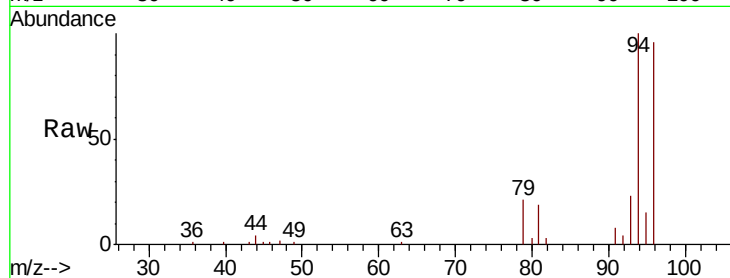
Tot Ion: 94 Resp: 80430

Ion Ratio Lower Upper

94 100

96 96.4 75.8 113.8

93 23.5 18.6 28.0



#6

Chloroethane

Concen: 75.185 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061640.D

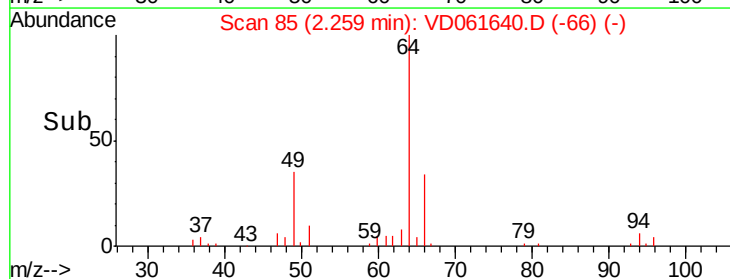
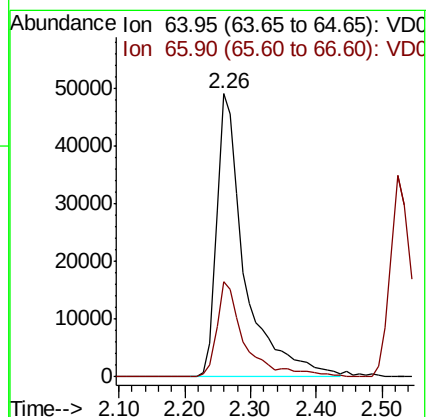
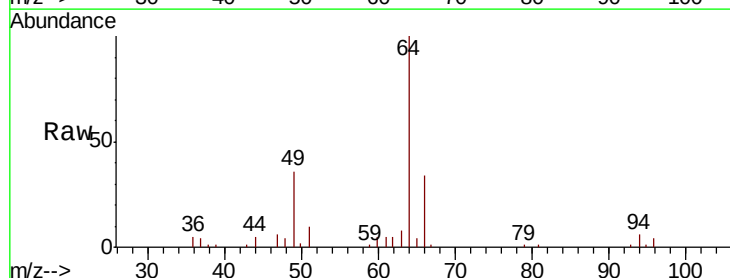
Acq: 6 Apr 2019 13:30

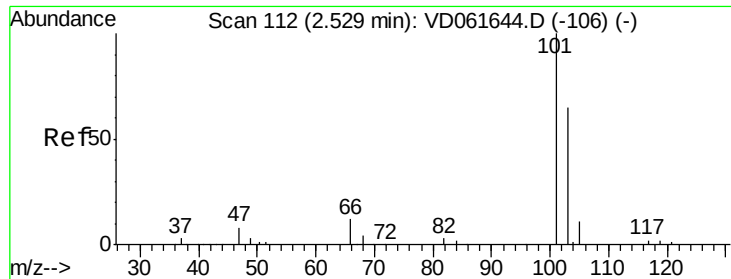
Tgt Ion: 64 Resp: 144142

Ion Ratio Lower Upper

64 100

66 33.8 24.9 37.3



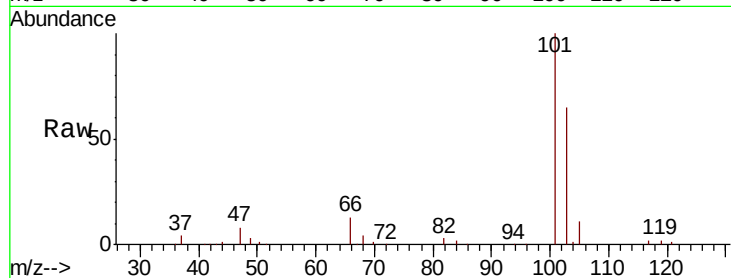


#7

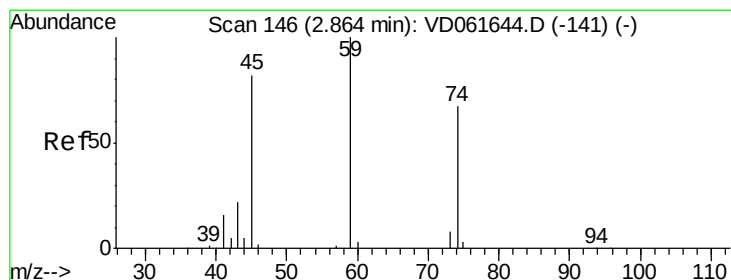
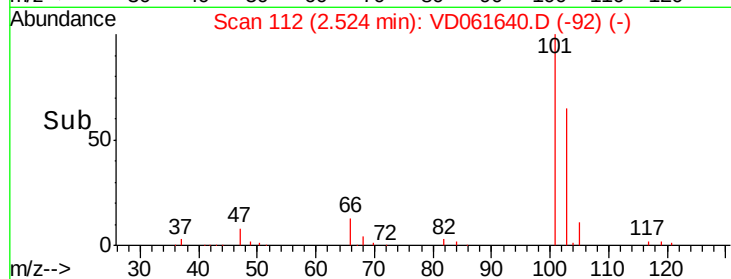
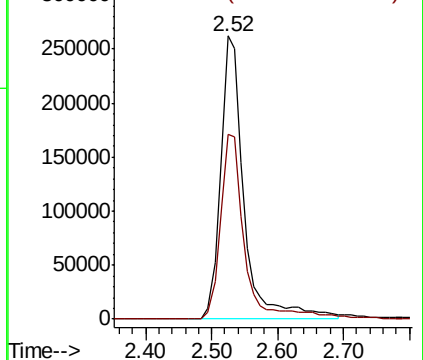
Trichlorofluoromethane
Concen: 72.480 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 650890
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0



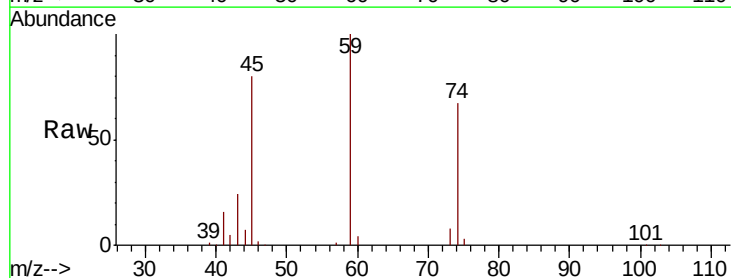
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



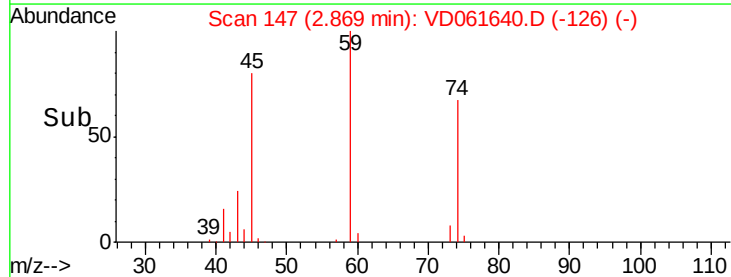
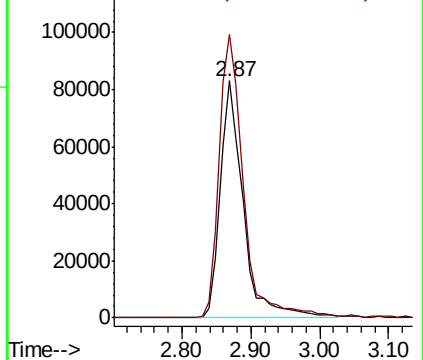
#8

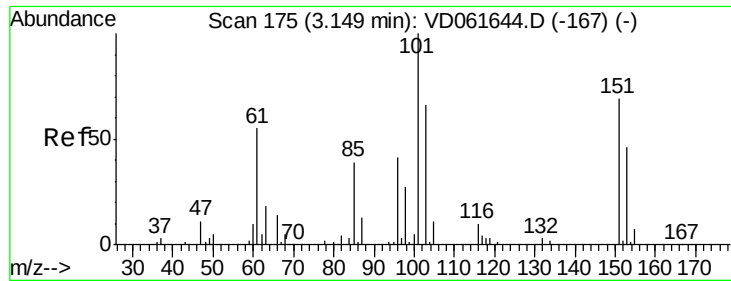
Diethyl Ether
Concen: 73.861 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 74 Resp: 192107
Ion Ratio Lower Upper
74 100
45 119.5 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.945 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

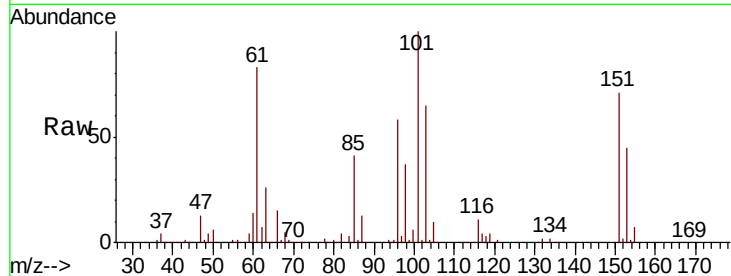
Tot Ion:101 Resp: 625330

Ion Ratio Lower Upper

101 100

85 41.5 31.0 46.6

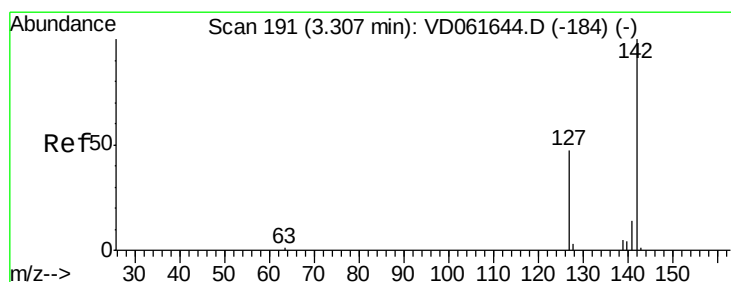
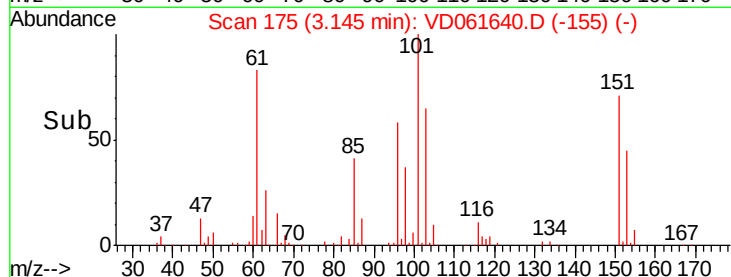
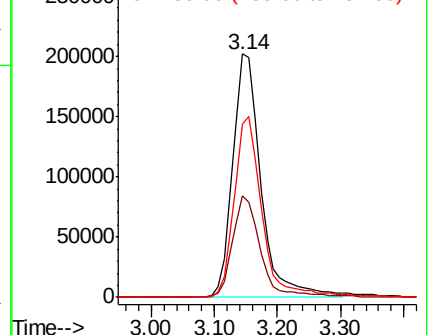
151 71.3 55.3 82.9



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: 90.142 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

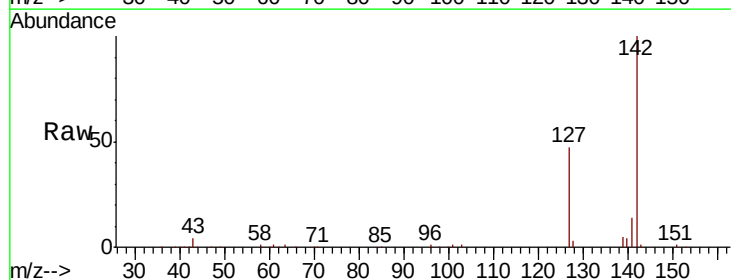
Tgt Ion:142 Resp: 1037239

Ion Ratio Lower Upper

142 100

127 47.2 37.2 55.8

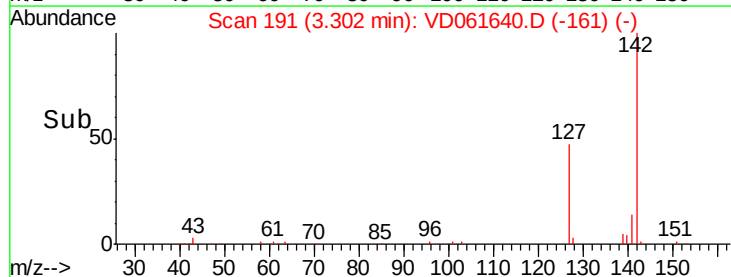
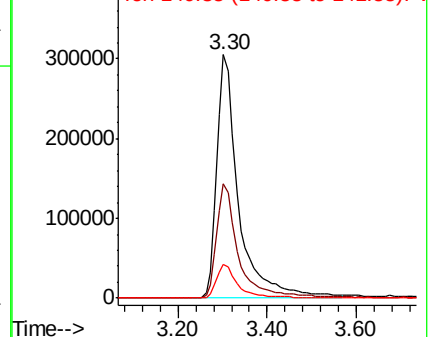
141 13.8 10.8 16.2

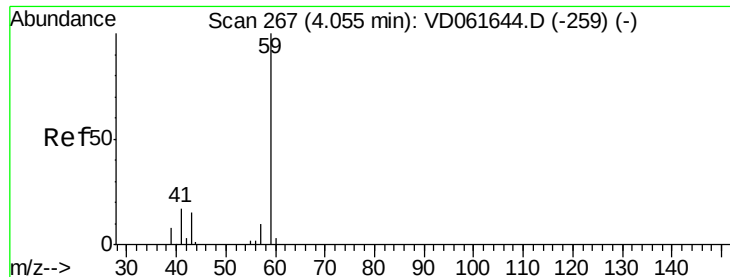


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

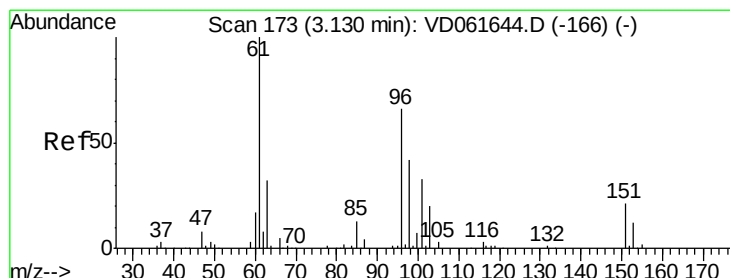
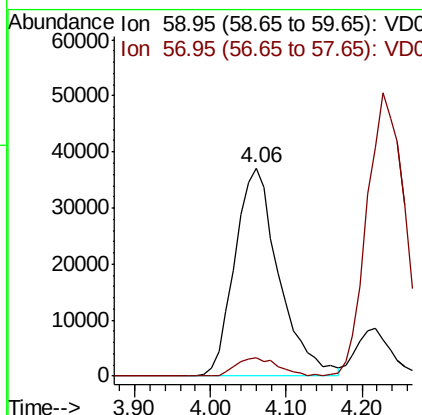
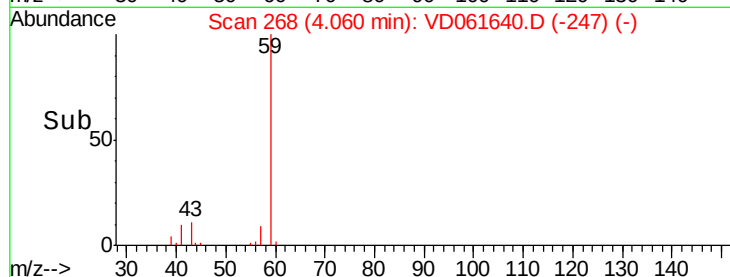
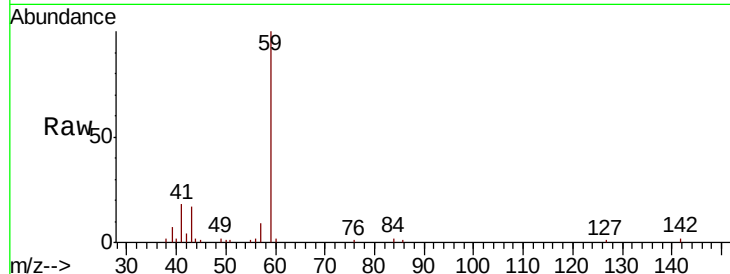




#11
Tert butyl alcohol
Concen: 392.631 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

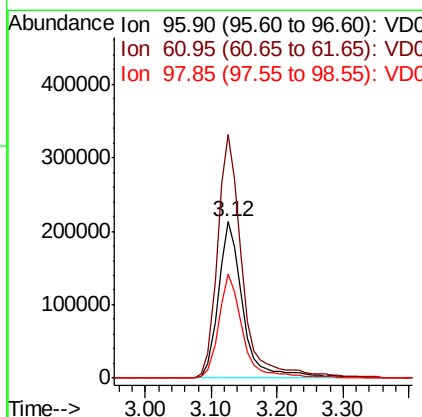
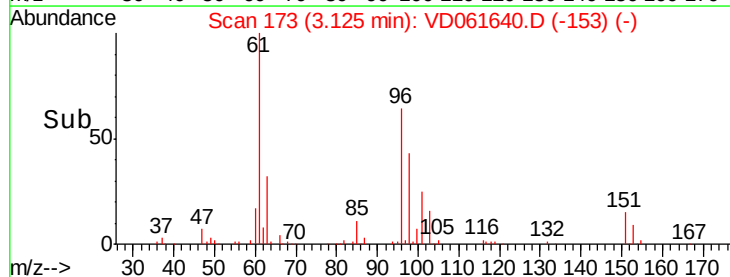
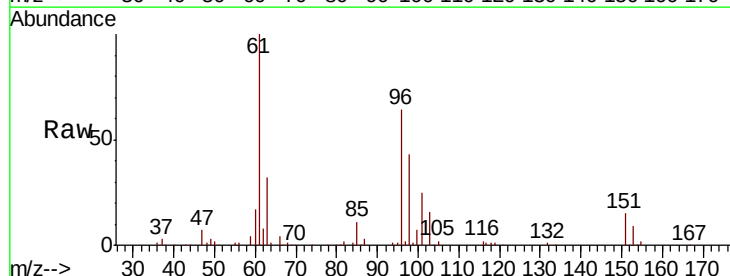
Instrument :
MSVOA_D
ClientSampleId :

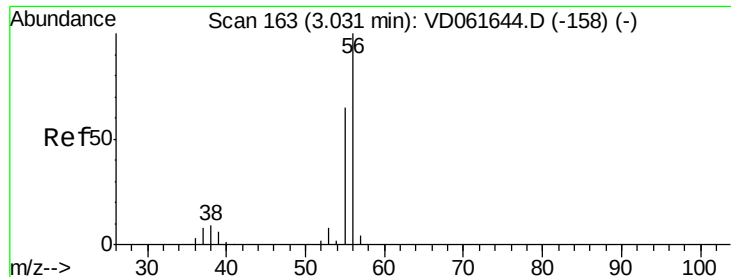
Tot Ion: 59 Resp: 149908
Ion Ratio Lower Upper
59 100
57 9.0 8.4 12.6



#12
1,1-Dichloroethene
Concen: 71.043 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 96 Resp: 550838
Ion Ratio Lower Upper
96 100
61 155.6 121.3 181.9
98 66.3 50.6 76.0

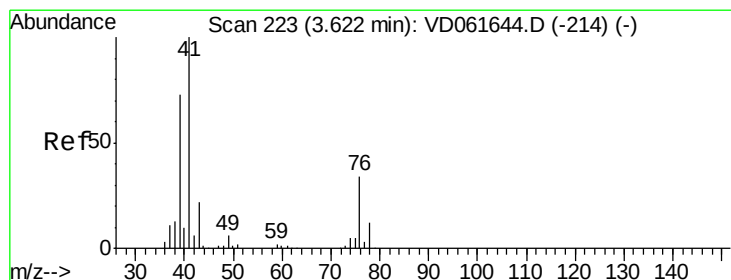
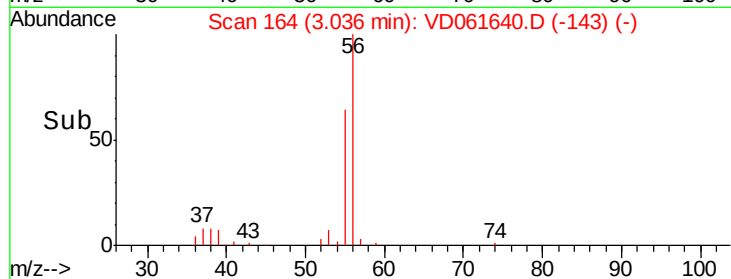
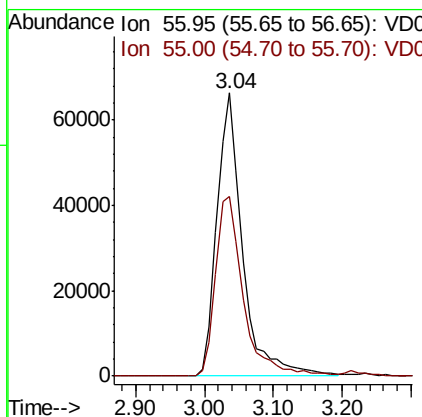
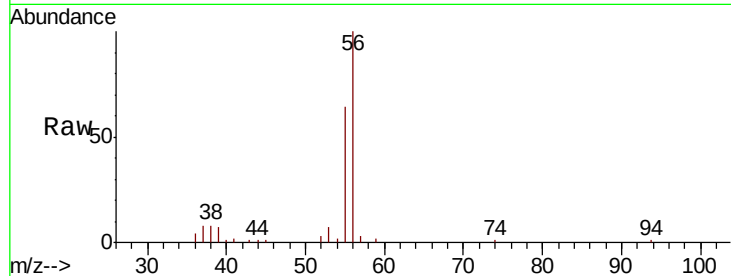




#13
Acrolein
Concen: 373.077 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

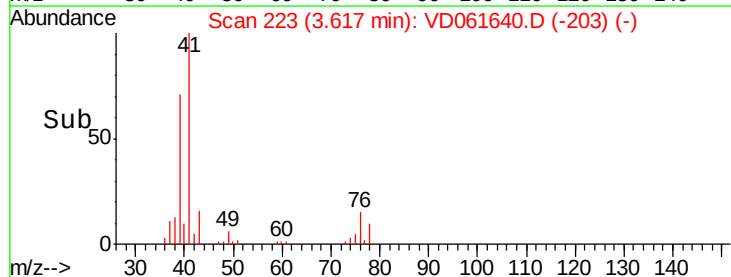
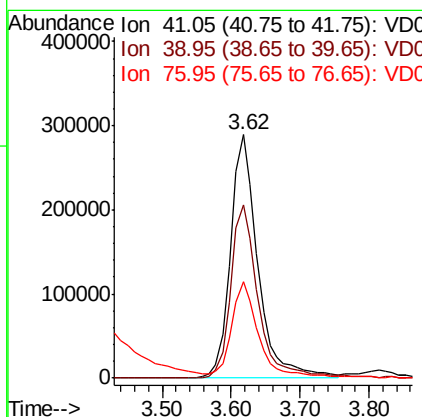
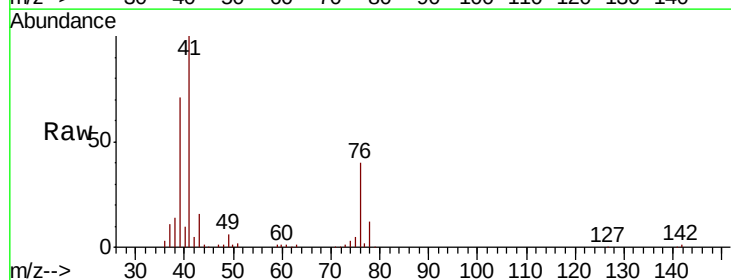
Instrument :
MSVOA_D
ClientSampleId :

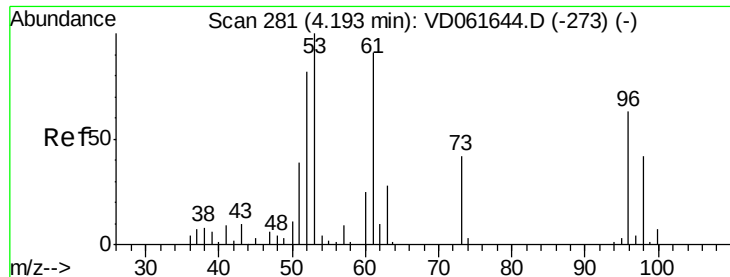
Tot Ion: 56 Resp: 171099
Ion Ratio Lower Upper
56 100
55 63.6 51.8 77.6



#14
Allyl chloride
Concen: 74.031 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 41 Resp: 797332
Ion Ratio Lower Upper
41 100
39 71.1 58.2 87.4
76 39.8 29.8 44.6





#15

Acrylonitrile

Concen: 364.853 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

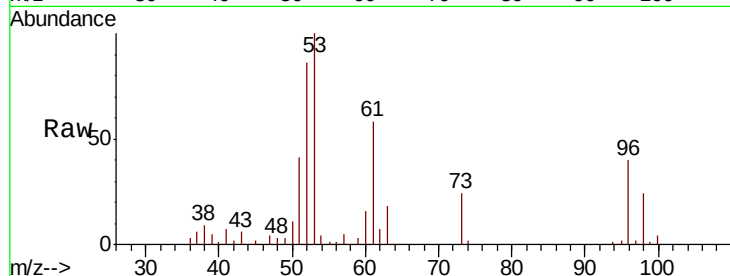
Tot Ion: 53 Resp: 459011

Ion Ratio Lower Upper

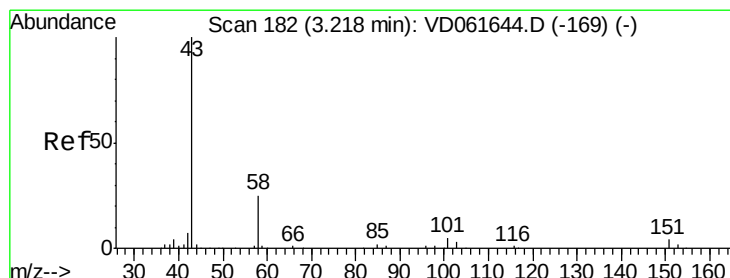
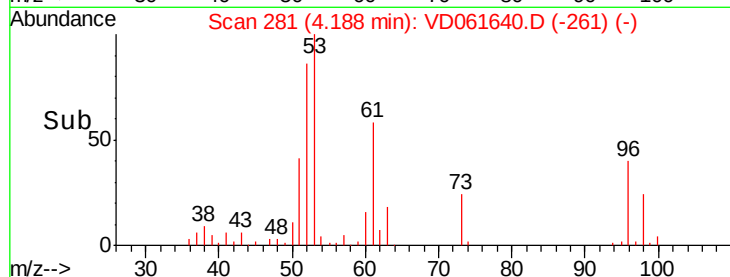
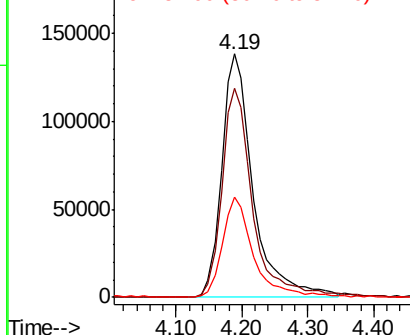
53 100

52 85.8 65.9 98.9

51 41.2 31.4 47.2



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



#16

Acetone

Concen: 437.063 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061640.D

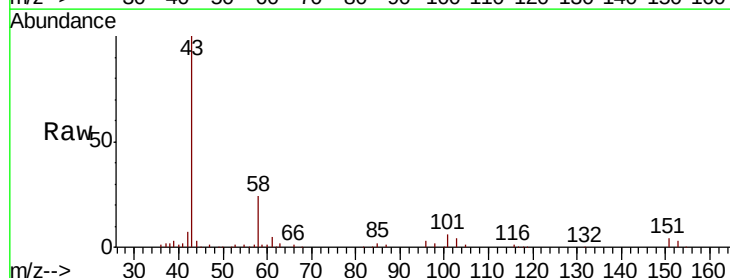
Acq: 6 Apr 2019 13:30

Tgt Ion: 43 Resp: 720844

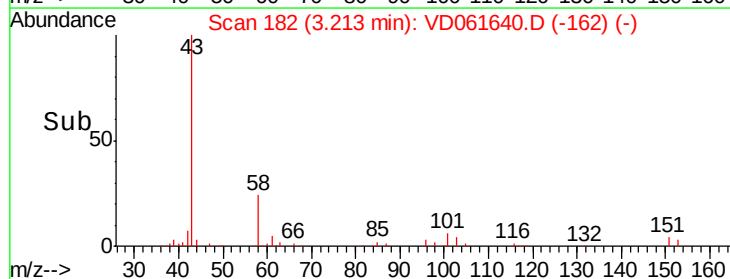
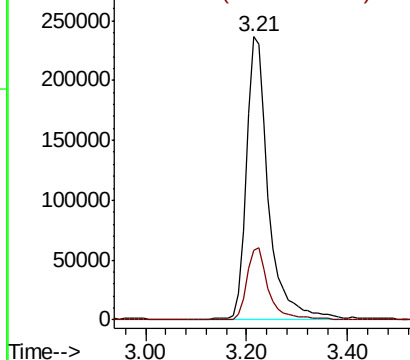
Ion Ratio Lower Upper

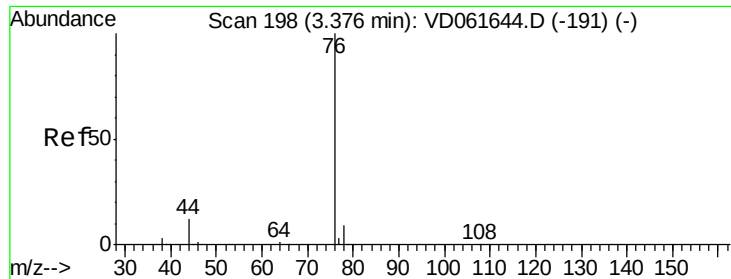
43 100

58 24.4 19.7 29.5



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

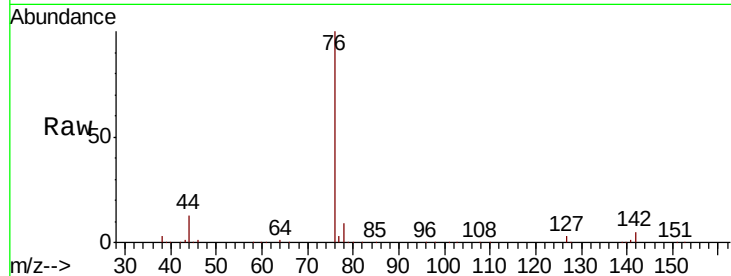




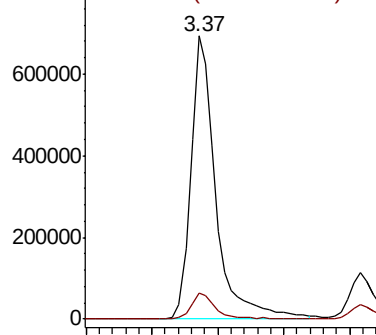
#17
Carbon Disulfide
Concen: 72.465 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

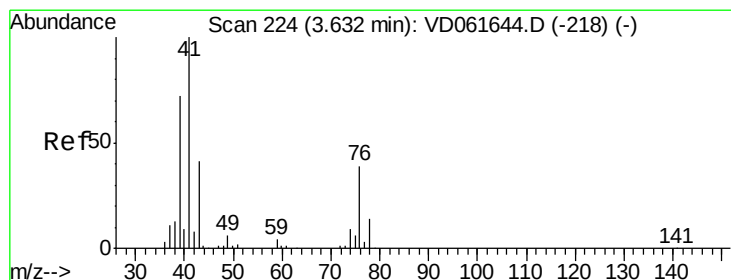
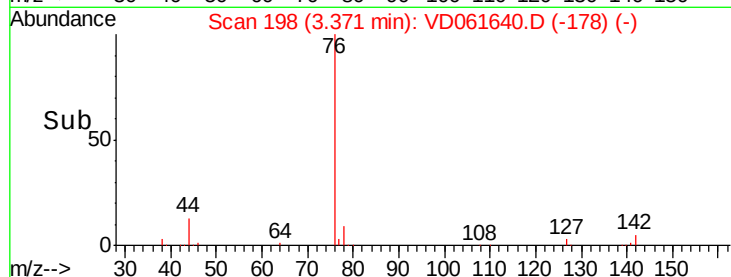
Tot Ion: 76 Resp: 1826815
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



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

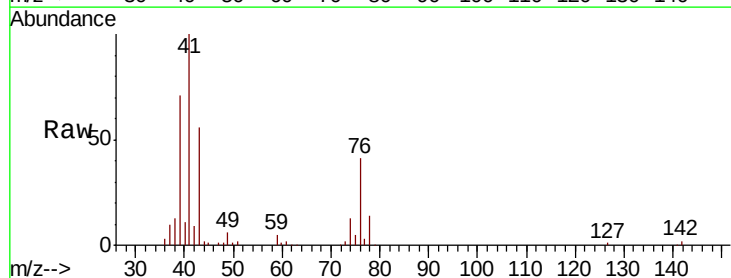


Time--> 3.20 3.30 3.40 3.50 3.60

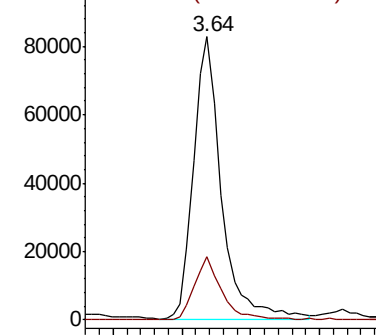


#18
Methyl Acetate
Concen: 73.188 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

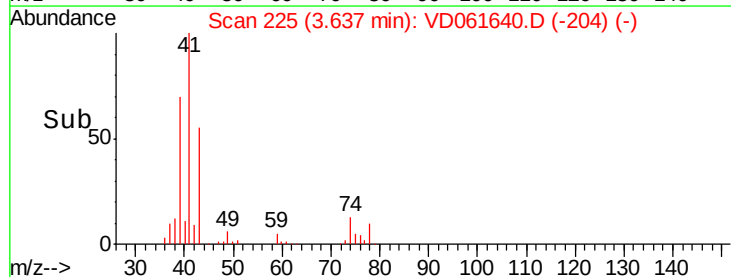
Tgt Ion: 43 Resp: 234615
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2

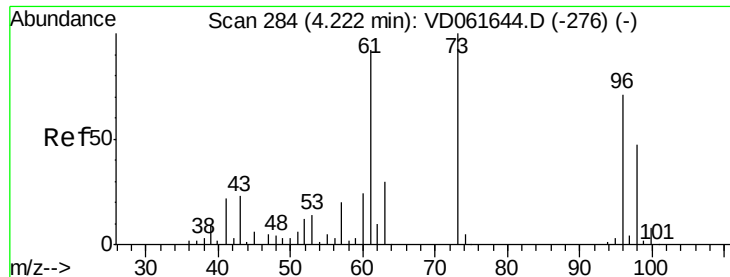


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80

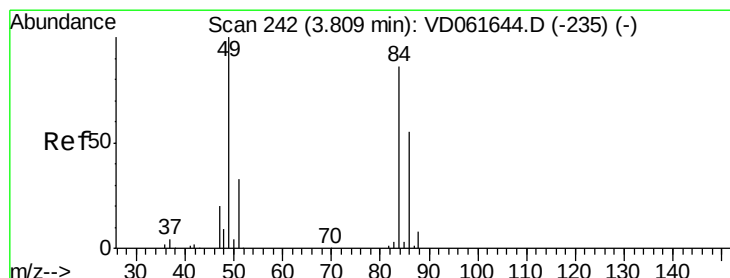
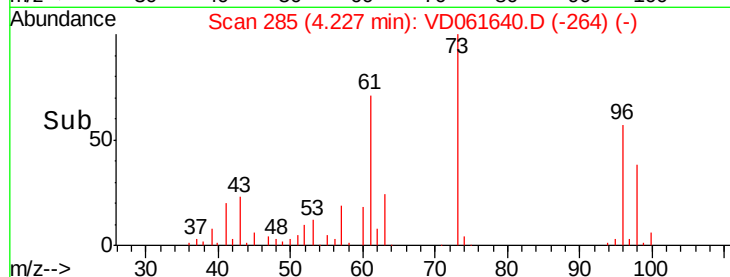
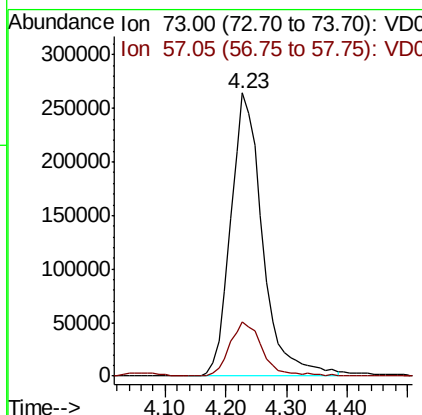
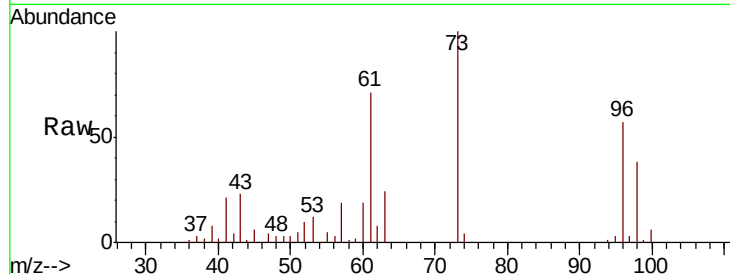




#19
Methyl tert-butyl Ether
Concen: 72.791 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

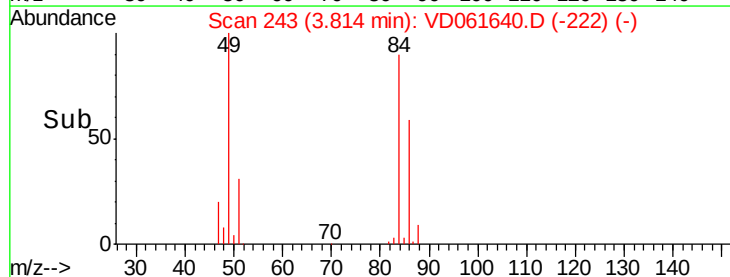
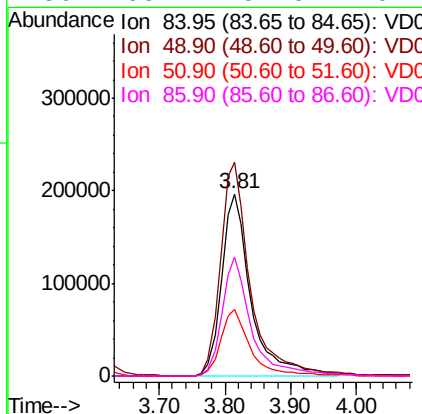
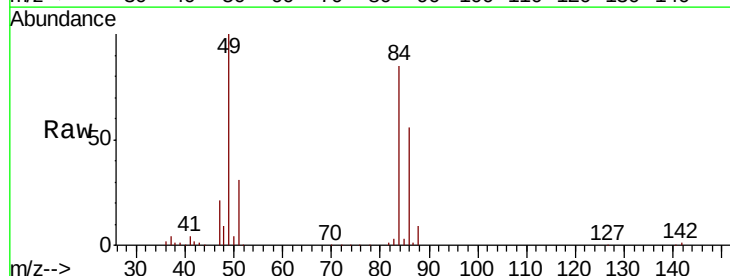
Instrument :
MSVOA_D
ClientSampled :

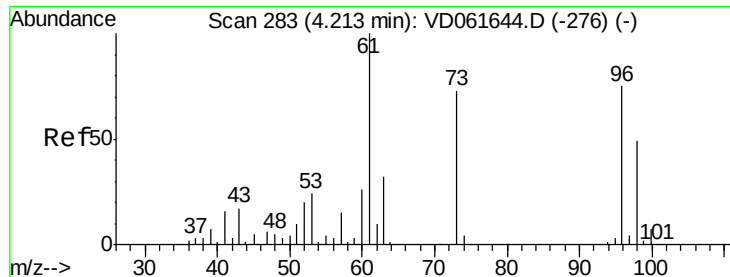
Tot Ion: 73 Resp: 967119
Ion Ratio Lower Upper
73 100
57 19.1 16.0 24.0



#20
Methylene Chloride
Concen: 65.026 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 84 Resp: 612699
Ion Ratio Lower Upper
84 100
49 117.2 93.0 139.4
51 36.9 30.4 45.6
86 65.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 69.994 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

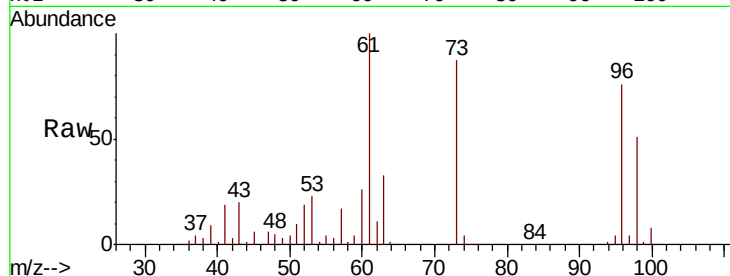
Tot Ion: 96 Resp: 585244

Ion Ratio Lower Upper

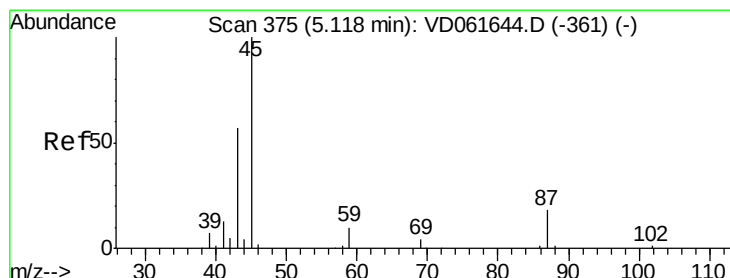
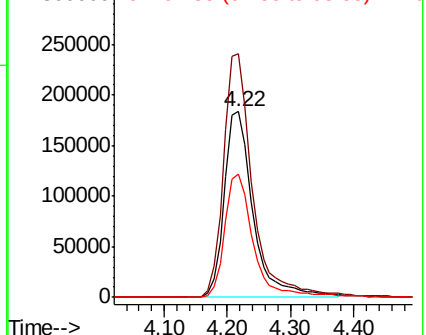
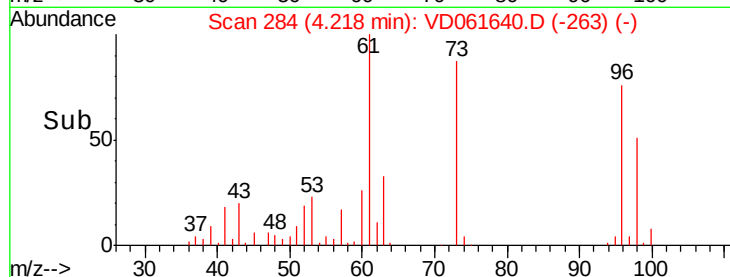
96 100

61 130.9 106.8 160.2

98 66.1 52.2 78.2



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



#22

Diisopropyl ether

Concen: 71.788 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion: 45 Resp: 1585741

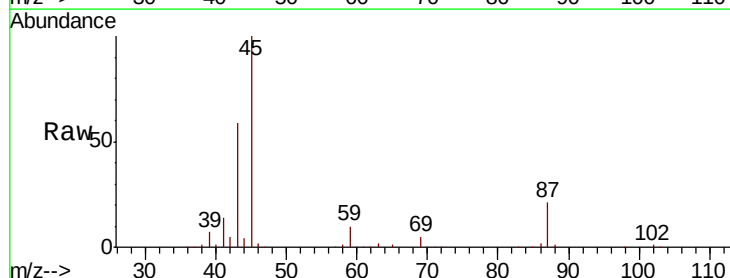
Ion Ratio Lower Upper

45 100

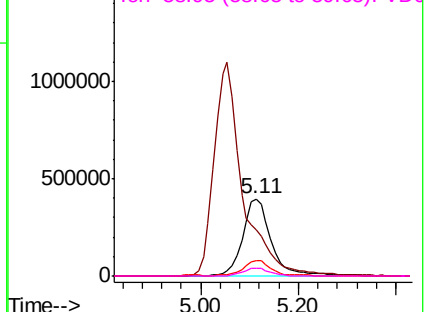
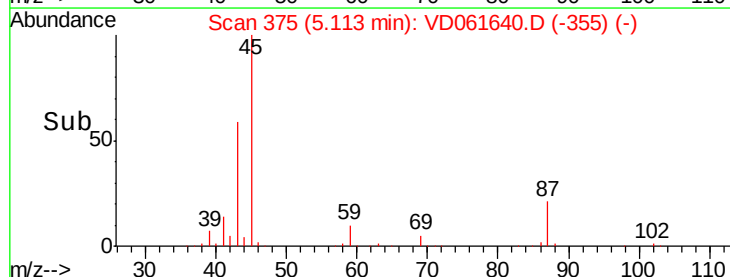
43 58.9 46.6 70.0

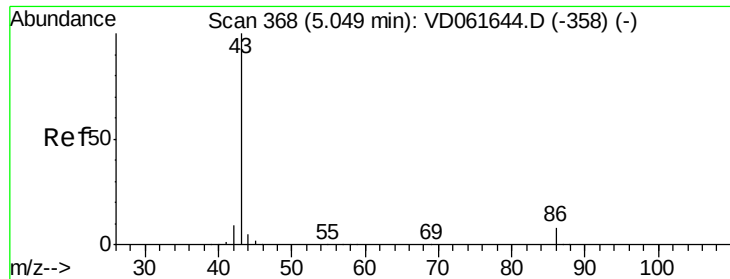
87 20.6 15.6 23.4

59 10.4 8.6 13.0



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: 362.113 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

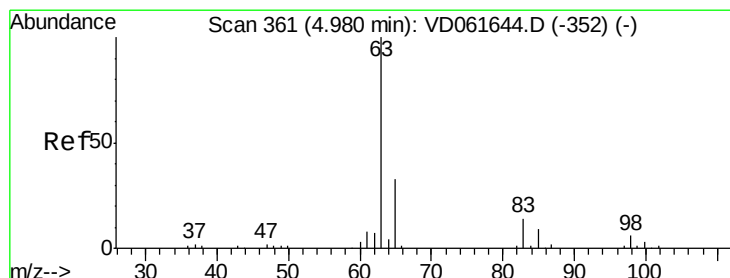
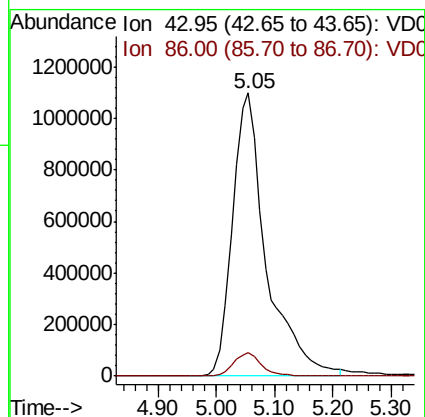
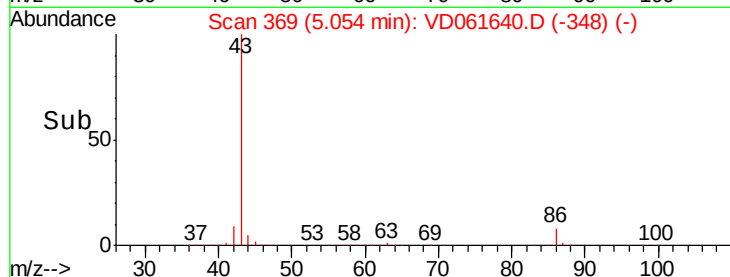
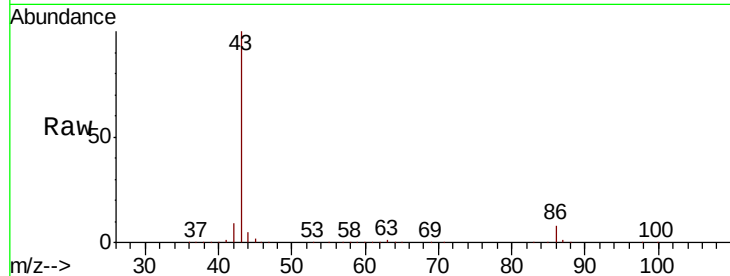
ClientSampleId :

Tot Ion: 43 Resp: 4421408

Ion Ratio Lower Upper

43 100

86 8.3 6.4 9.6



#24

1,1-Dichloroethane

Concen: 71.400 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

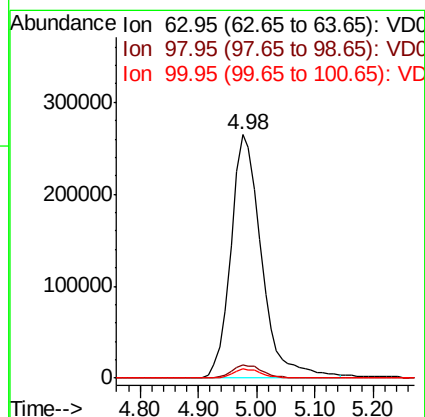
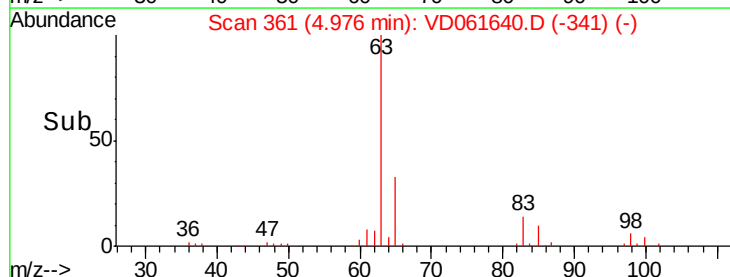
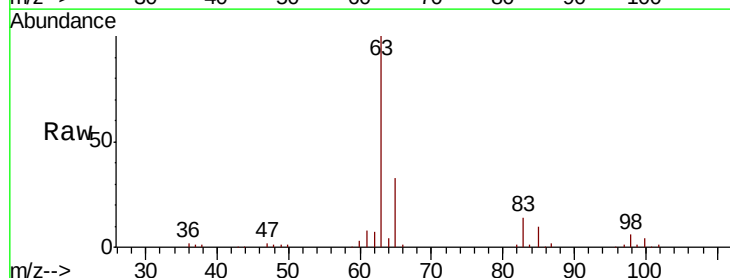
Tgt Ion: 63 Resp: 971966

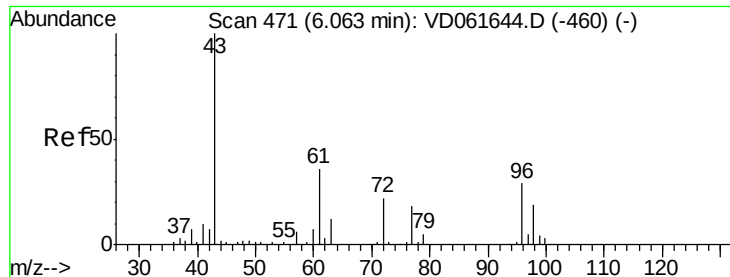
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.7 1.7 5.1





#25

2-Butanone

Concen: 385.632 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

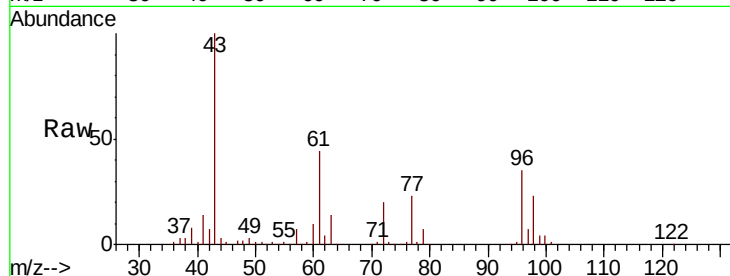
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 743296

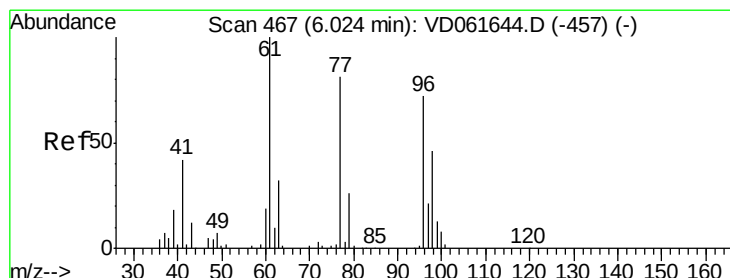
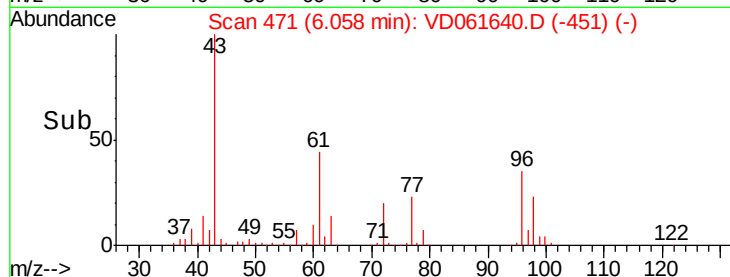
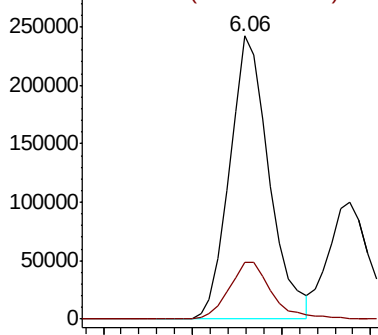
Ion Ratio Lower Upper

43 100

72 20.2 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 71.051 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061640.D

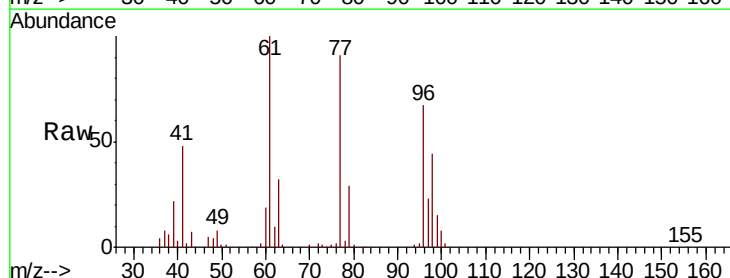
Acq: 6 Apr 2019 13:30

Tgt Ion: 77 Resp: 785817

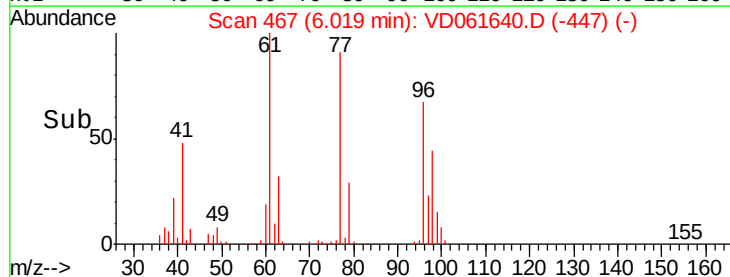
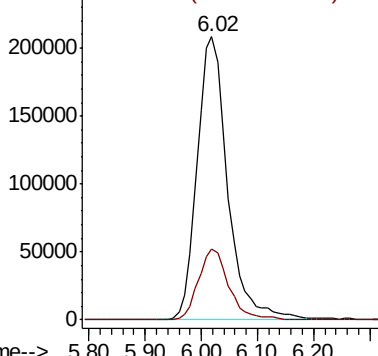
Ion Ratio Lower Upper

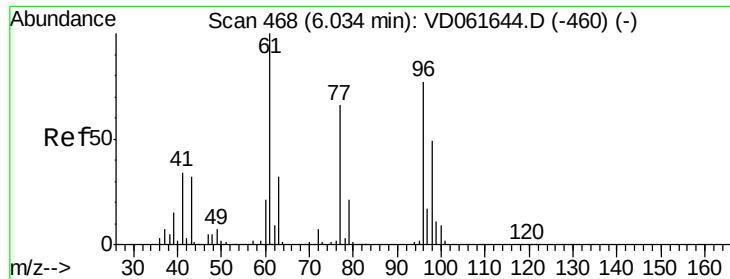
77 100

97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



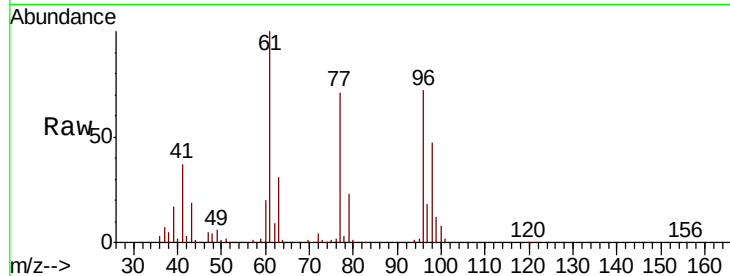


#27

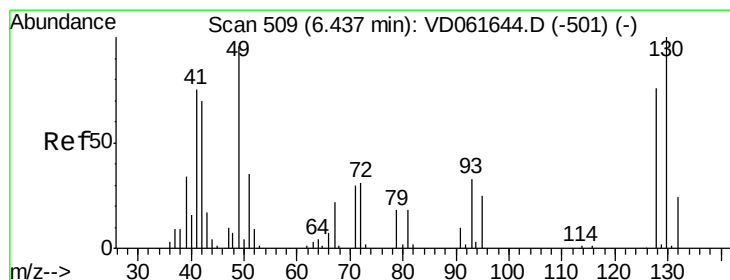
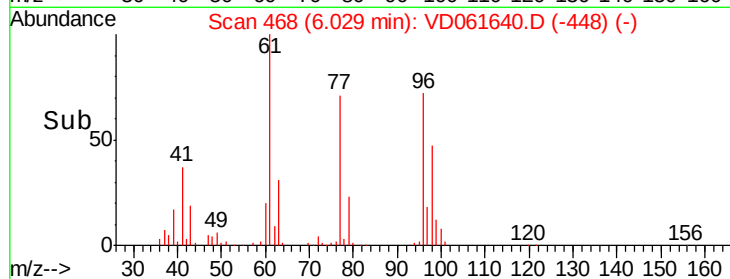
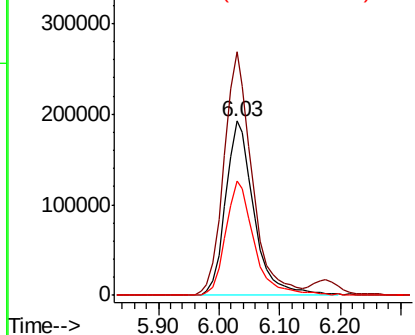
cis-1,2-Dichloroethene
Concen: 70.226 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 625774
Ion Ratio Lower Upper
96 100
61 139.7 0.0 259.8
98 65.7 0.0 127.6



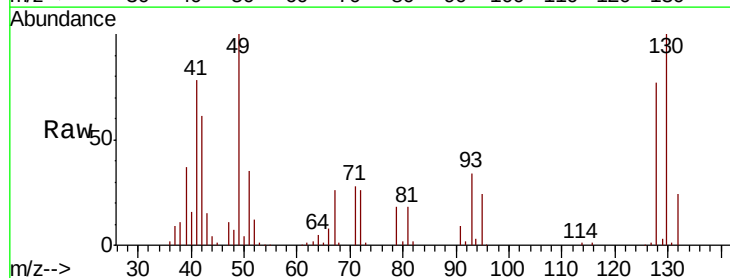
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



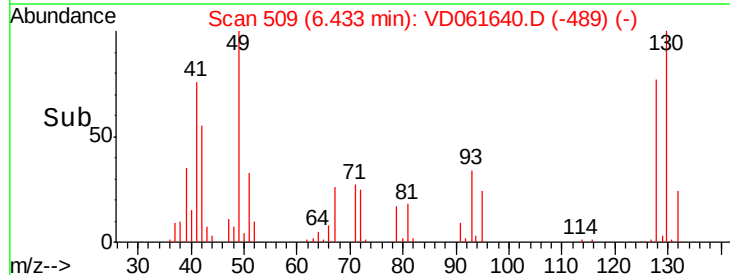
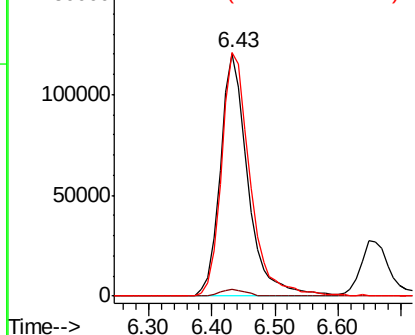
#28

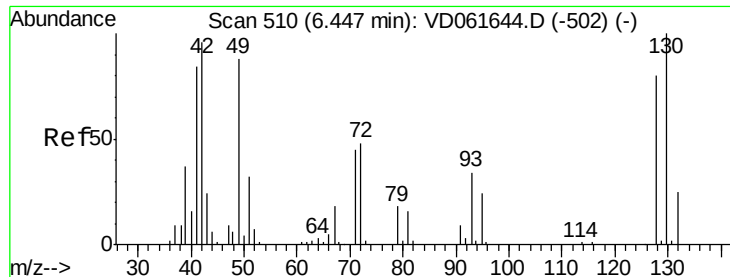
Bromochloromethane
Concen: 75.359 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 49 Resp: 366361
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.0
130 100.2 83.3 124.9



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

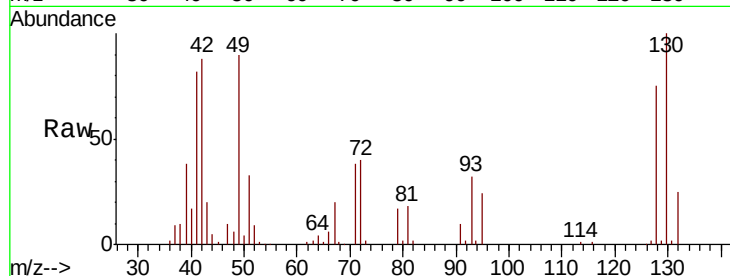




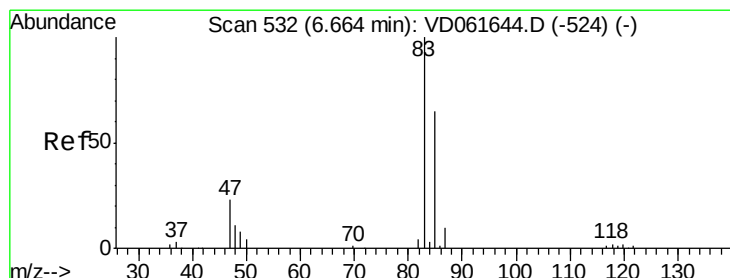
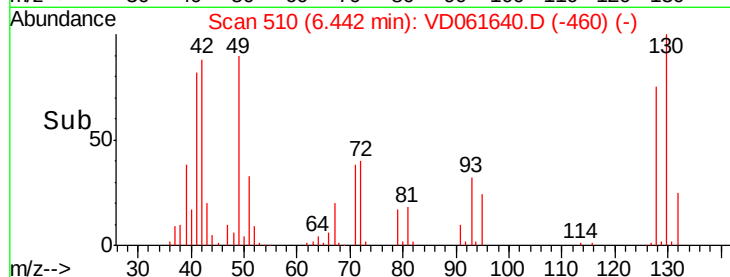
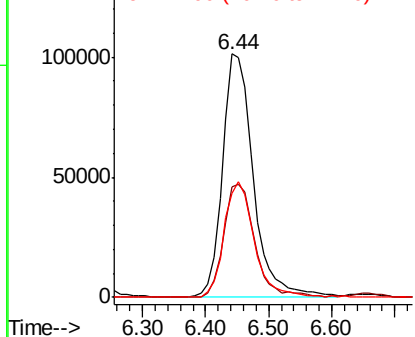
#29
Tetrahydrofuran
Concen: 371.594 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 343013
Ion Ratio Lower Upper
42 100
72 46.9 37.0 55.6
71 46.4 36.5 54.7

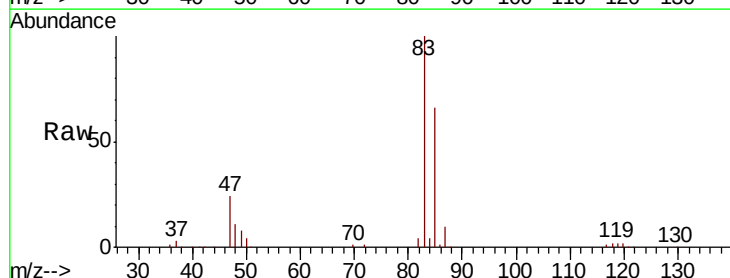


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

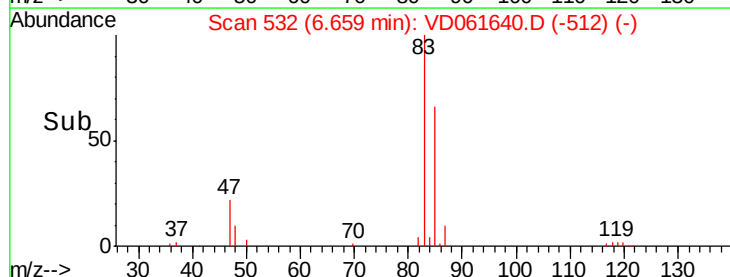
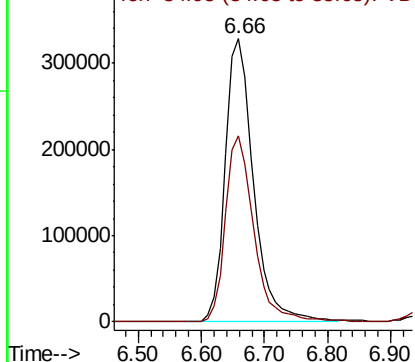


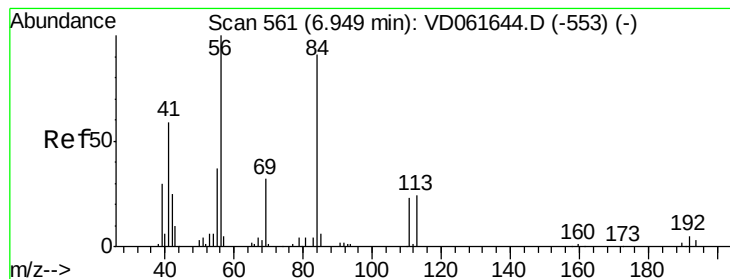
#30
Chloroform
Concen: 72.114 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 83 Resp: 1021649
Ion Ratio Lower Upper
83 100
85 65.6 51.9 77.9



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





#31

Cyclohexane

Concen: 66.520 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampled :

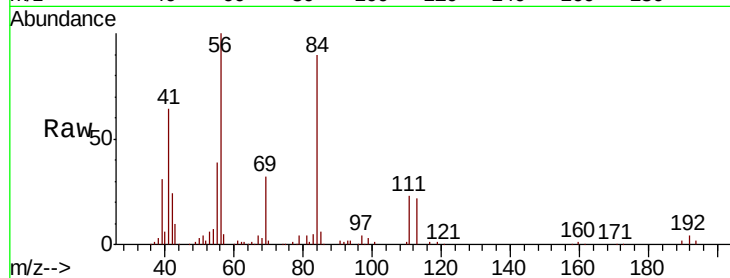
Tot Ion: 56 Resp: 694351

Ion Ratio Lower Upper

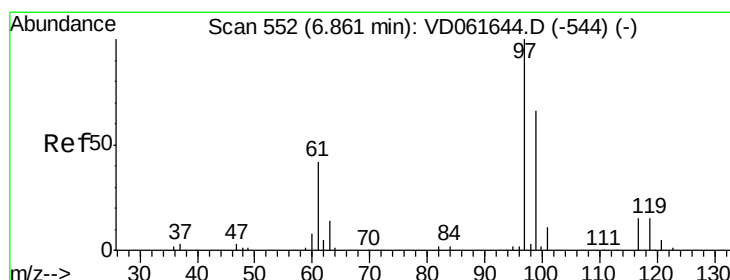
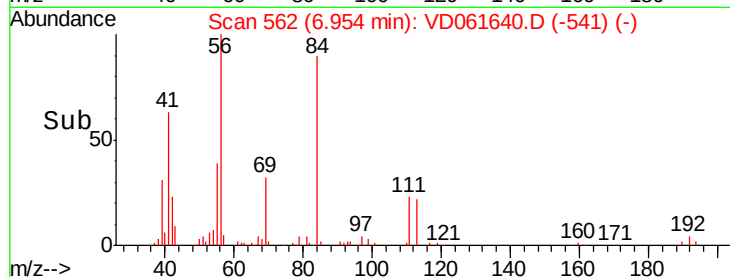
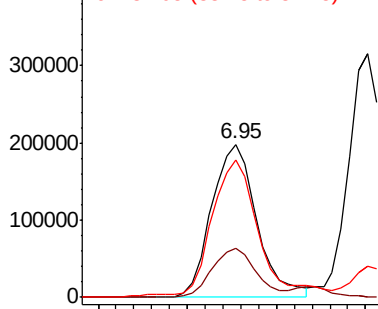
56 100

69 32.4 25.8 38.6

84 89.6 74.2 111.2



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: 73.113 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

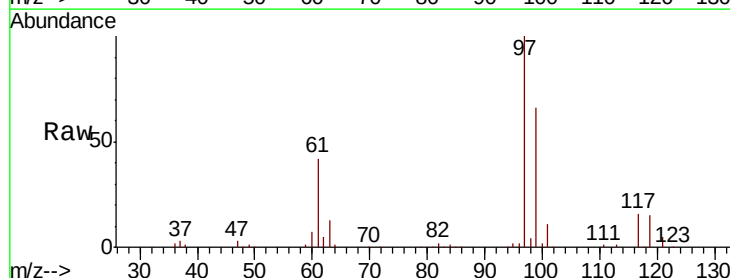
Tgt Ion: 97 Resp: 909788

Ion Ratio Lower Upper

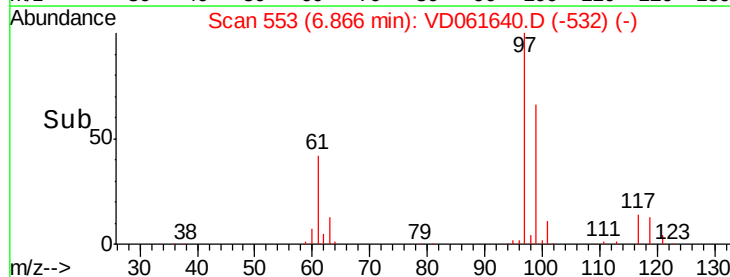
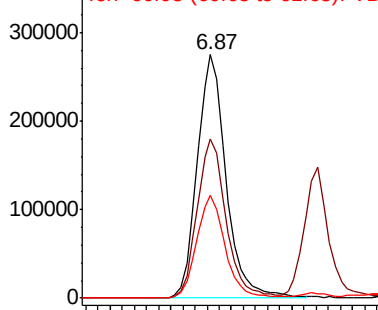
97 100

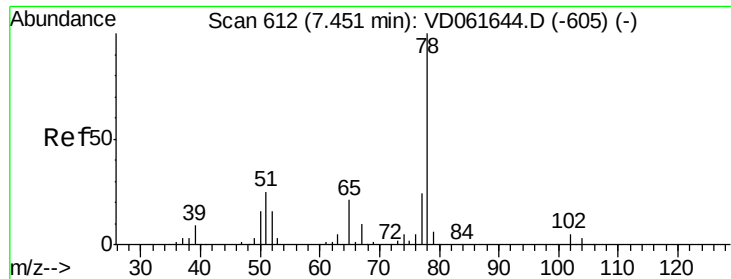
99 65.5 52.5 78.7

61 42.0 33.4 50.0



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

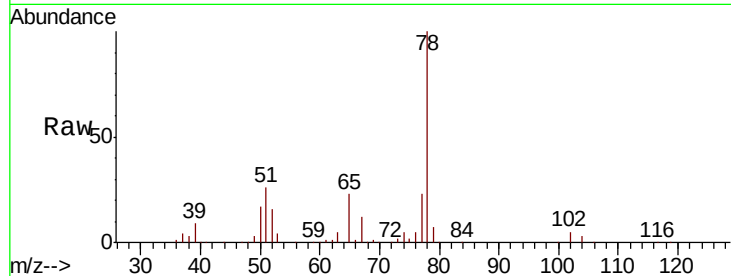




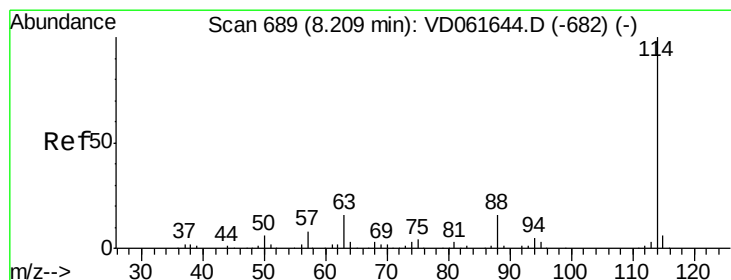
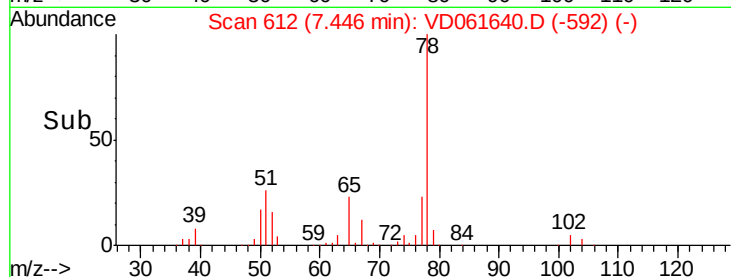
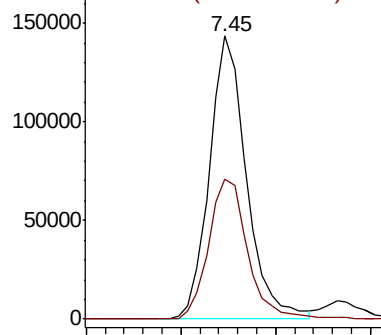
#33
 1,2-Dichloroethane-d4
 Concen: 73.113 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 389916
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.4

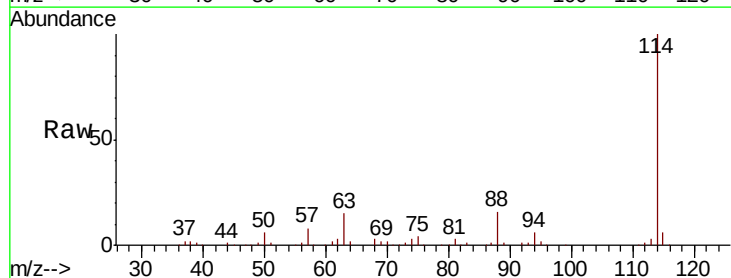


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

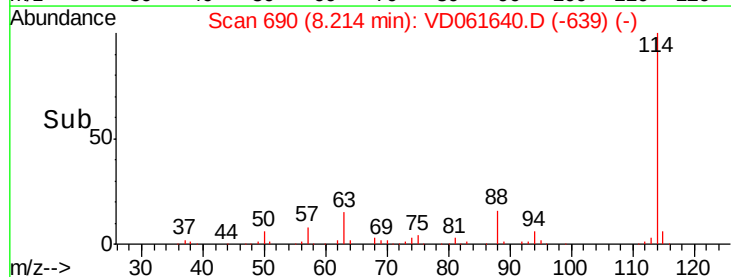
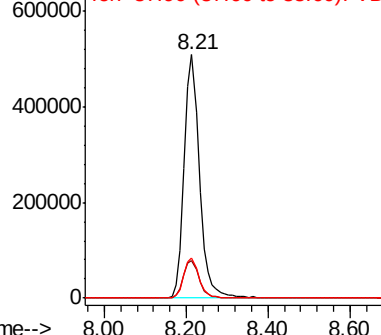


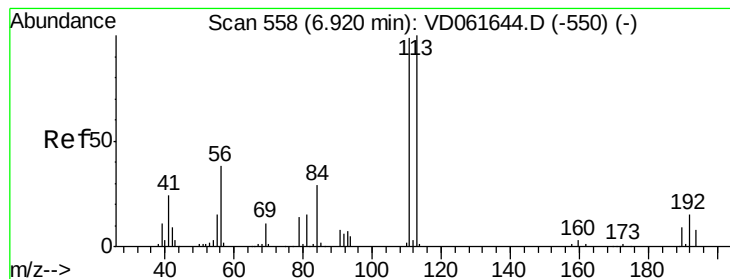
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 114 Resp: 1316975
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.2
 88 16.2 0.0 31.8



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

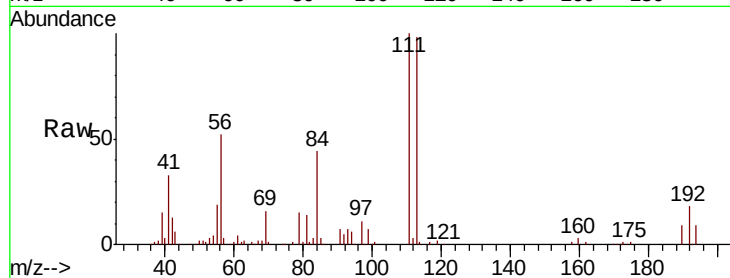
Tot Ion:113 Resp: 612654

Ion Ratio Lower Upper

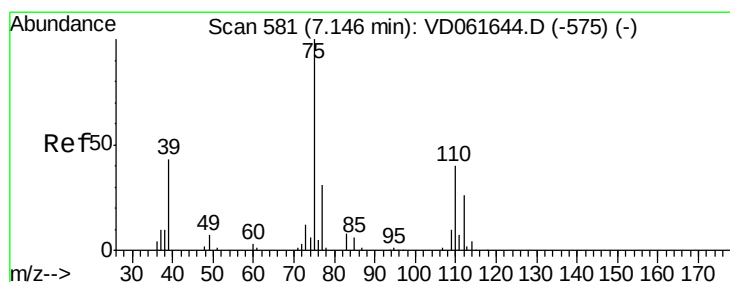
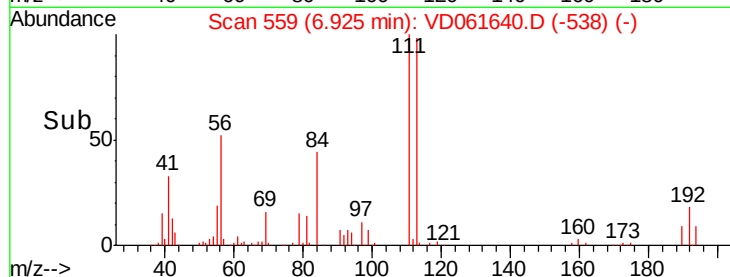
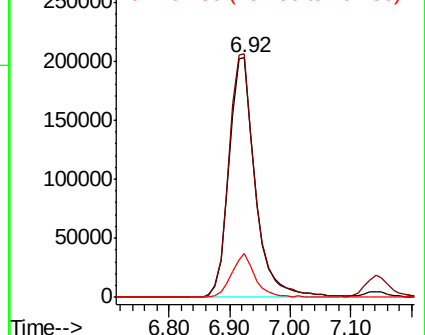
113 100

111 101.6 79.3 118.9

192 18.1 12.3 18.5



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: 63.275 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

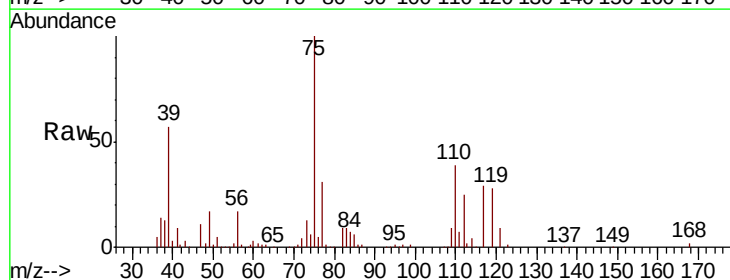
Tgt Ion: 75 Resp: 745046

Ion Ratio Lower Upper

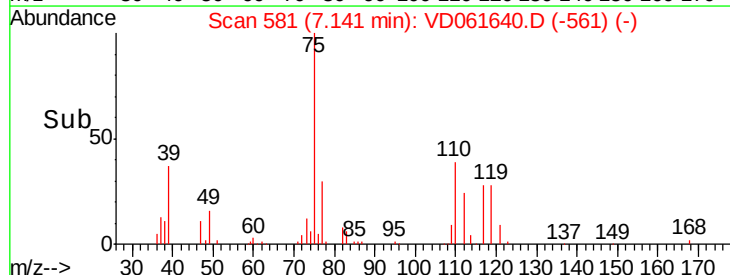
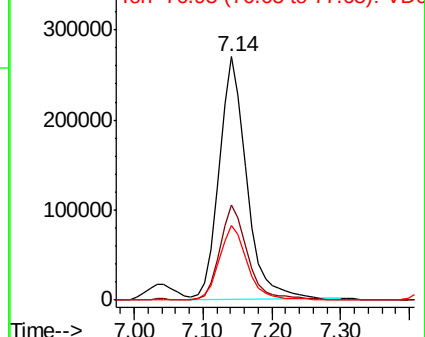
75 100

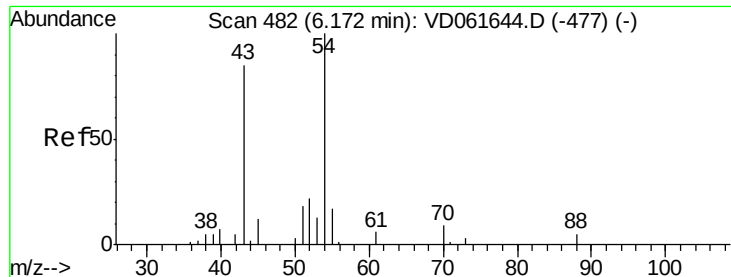
110 39.2 19.7 59.0

77 30.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

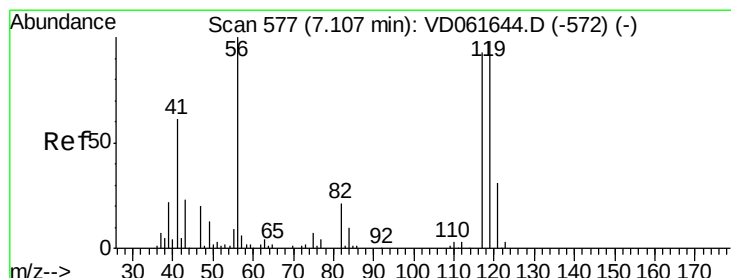
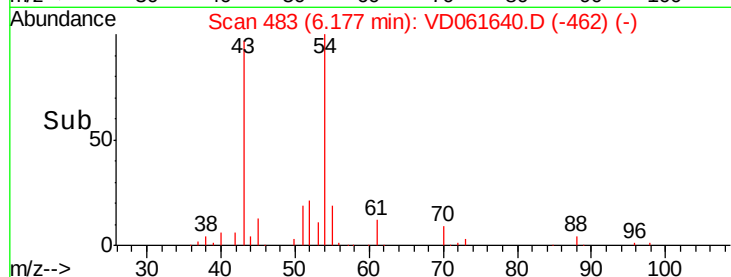
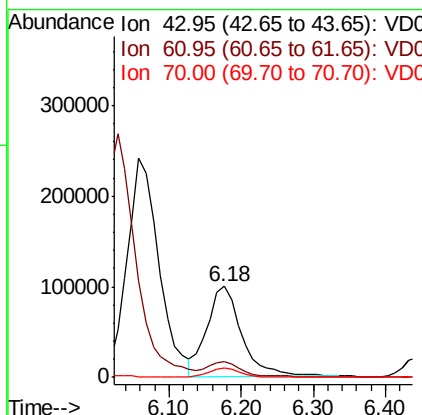
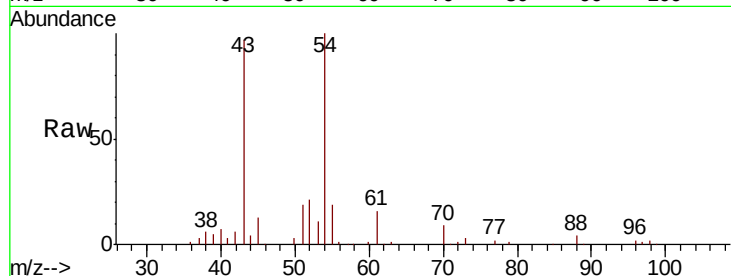




#37
Ethyl Acetate
Concen: 67.384 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

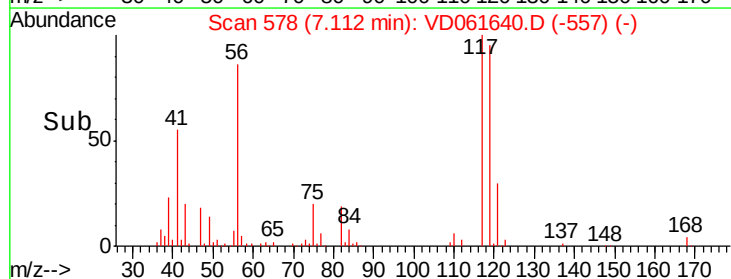
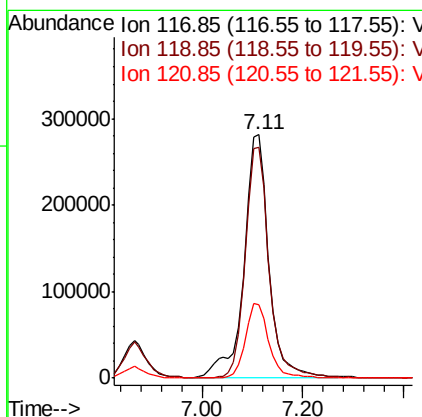
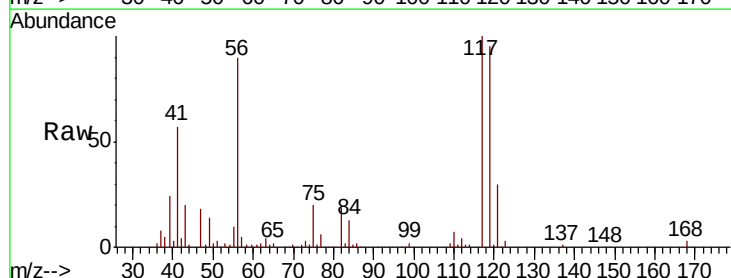
Instrument :
MSVOA_D
ClientSampled :

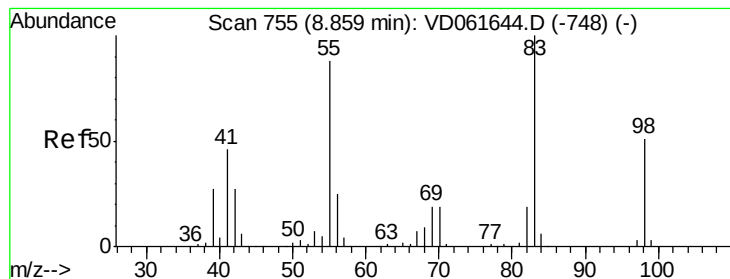
Tot Ion: 43 Resp: 329378
Ion Ratio Lower Upper
43 100
61 16.8 11.9 17.9
70 9.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 70.497 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 117 Resp: 958855
Ion Ratio Lower Upper
117 100
119 95.0 77.9 116.9
121 30.3 24.7 37.1





#39

Methylvlcyclohexane

Concen: 68.788 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

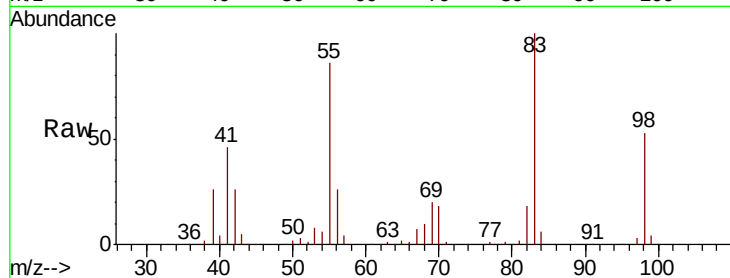
Tot Ion: 83 Resp: 844369

Ion Ratio Lower Upper

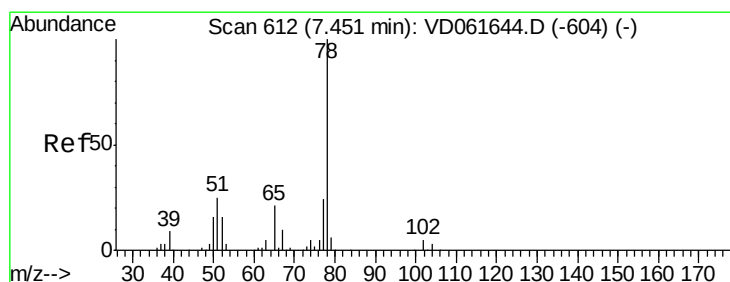
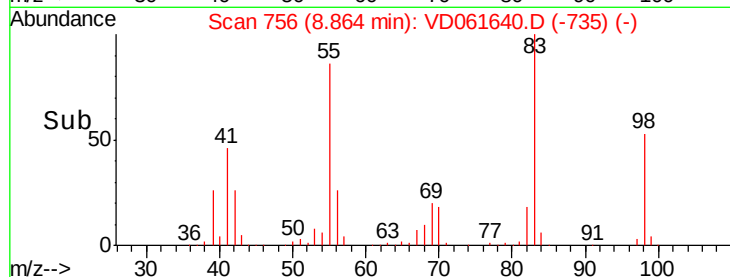
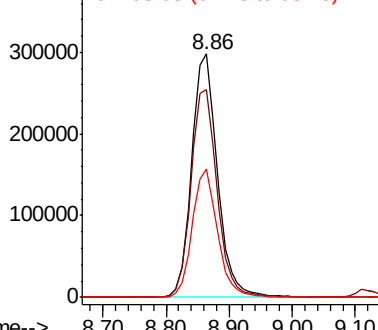
83 100

55 85.5 70.3 105.5

98 52.6 41.0 61.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 65.315 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061640.D

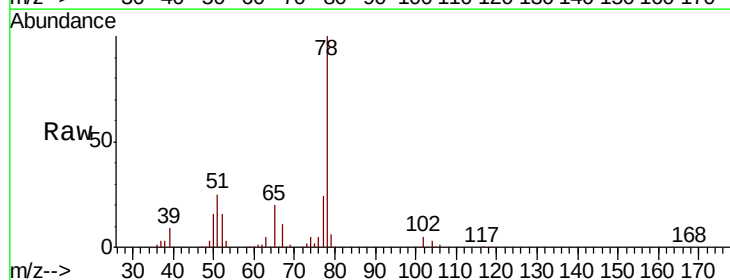
Acq: 6 Apr 2019 13:30

Tgt Ion: 78 Resp: 1860782

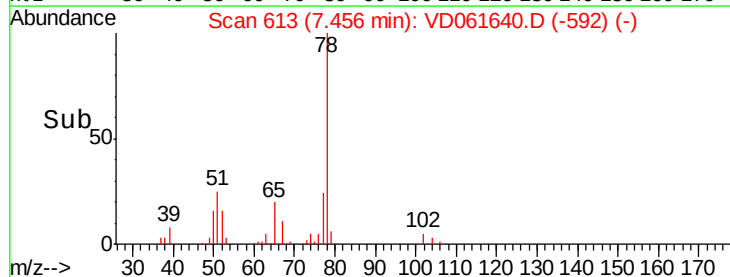
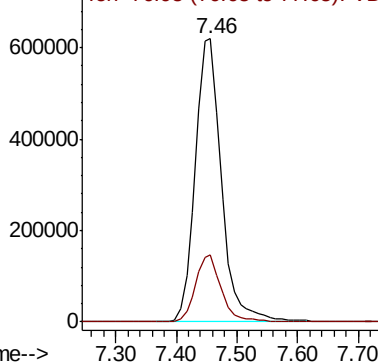
Ion Ratio Lower Upper

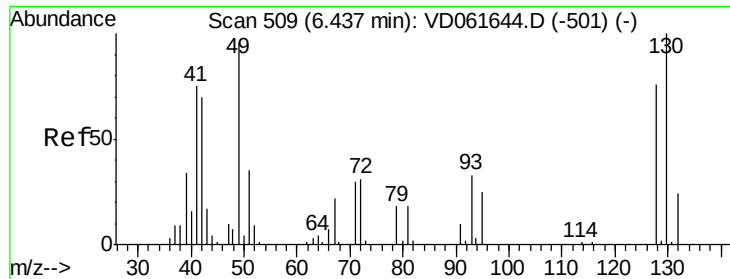
78 100

77 23.9 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

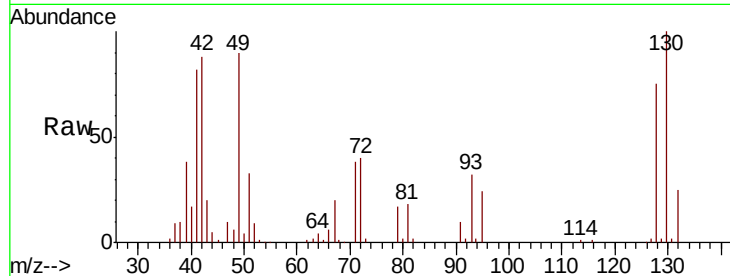




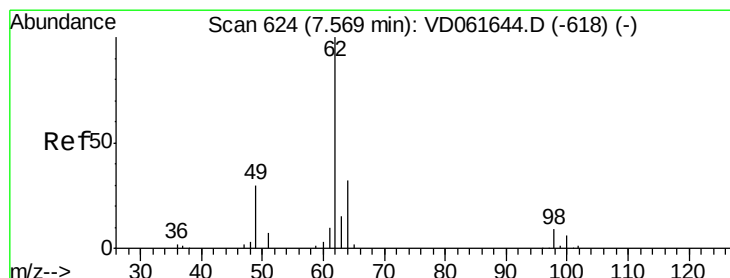
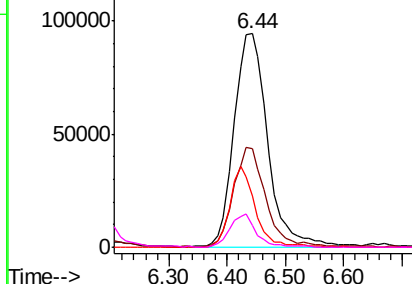
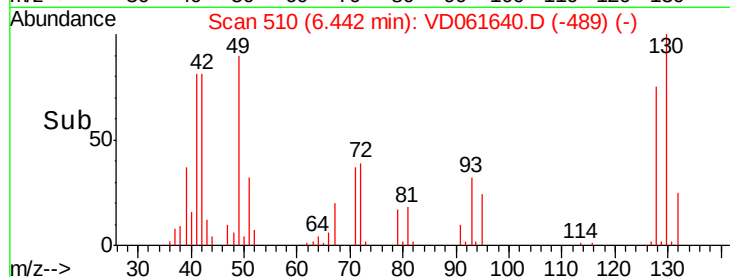
#41
Methacrylonitrile
Concen: 69.036 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 380328
Ion Ratio Lower Upper
41 100
39 46.4 36.2 54.2
67 24.2 23.2 34.8
52 10.5 10.0 15.0

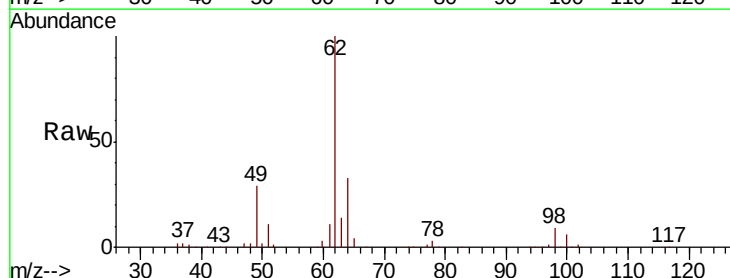


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

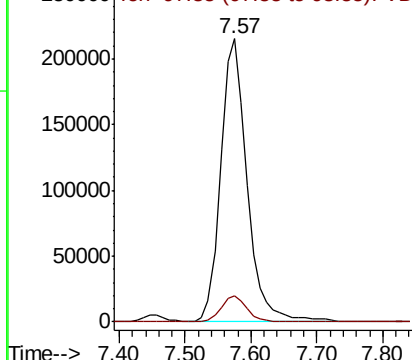
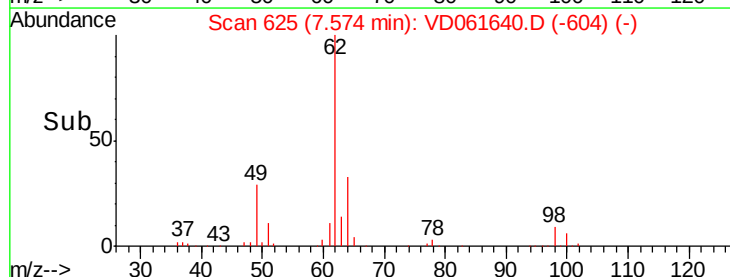


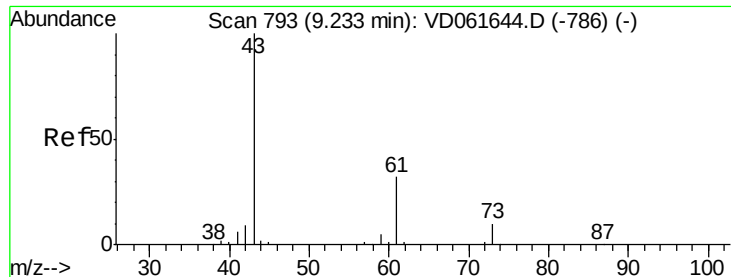
#42
1,2-Dichloroethane
Concen: 66.456 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 62 Resp: 598410
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 70.226 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

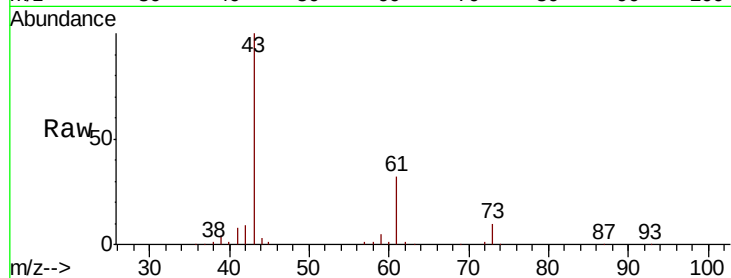
Tot Ion: 43 Resp: 493305

Ion Ratio Lower Upper

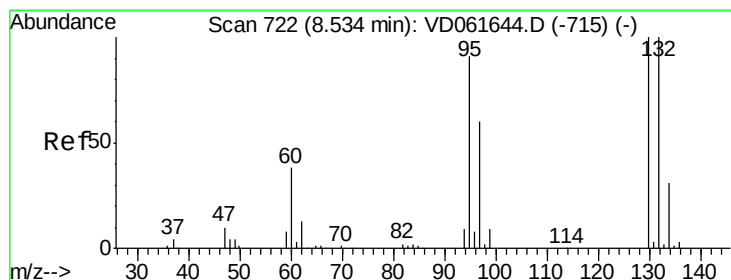
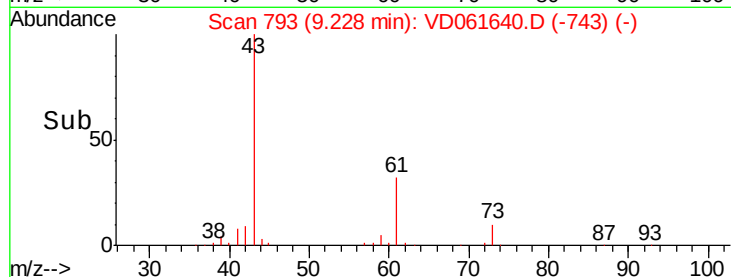
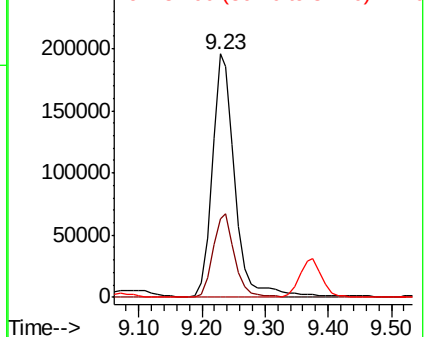
43 100

61 32.1 25.9 38.9

87 0.3 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: 66.141 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD061640.D

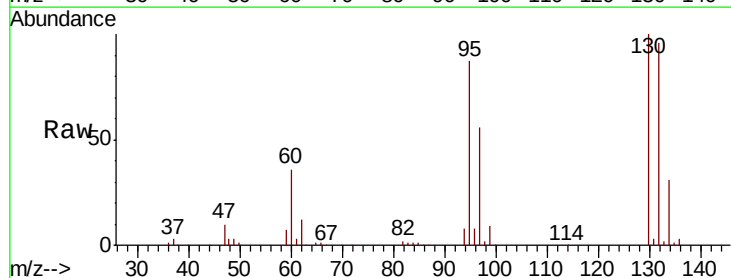
Acq: 6 Apr 2019 13:30

Tgt Ion:130 Resp: 717834

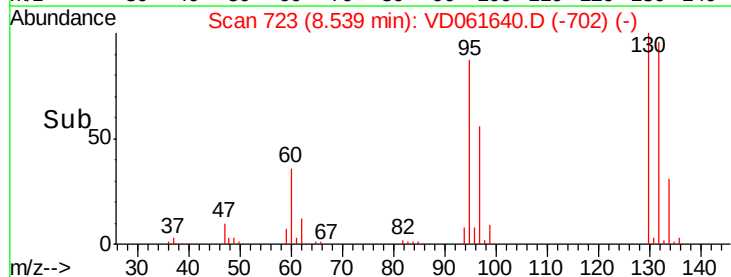
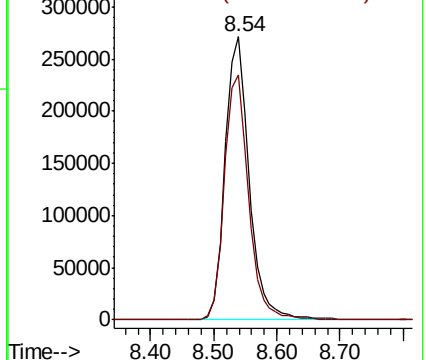
Ion Ratio Lower Upper

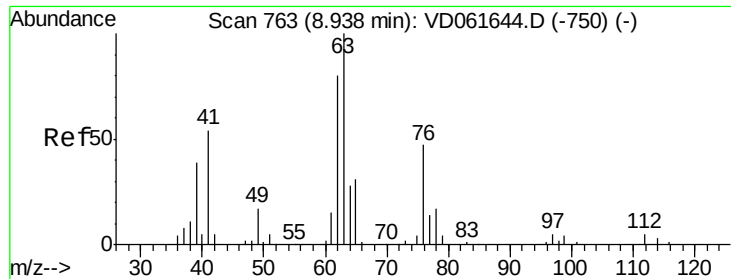
130 100

95 86.8 0.0 181.8



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

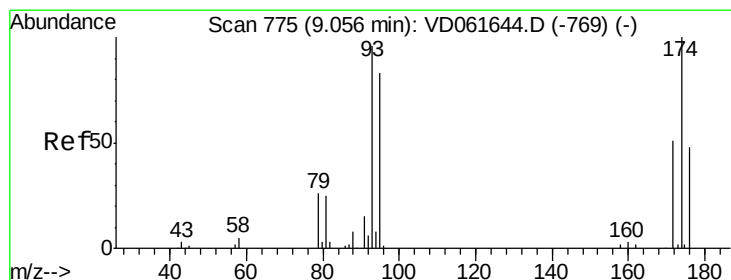
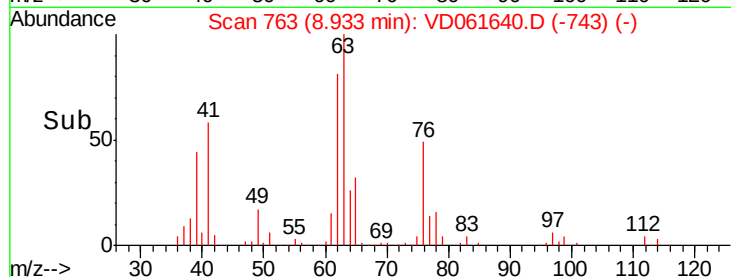
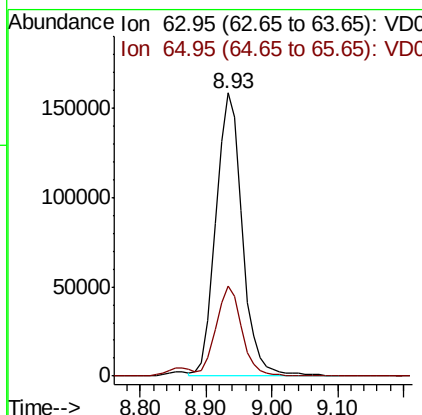
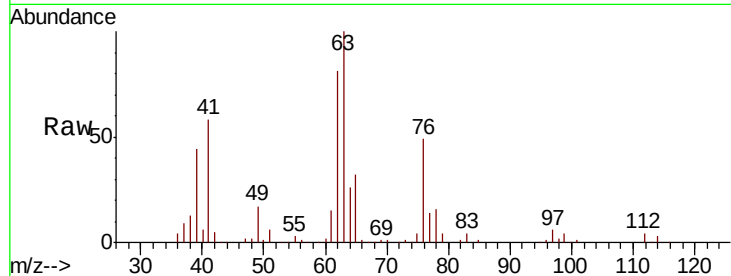




#45
 1,2-Dichloropropane
 Concen: 62.782 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

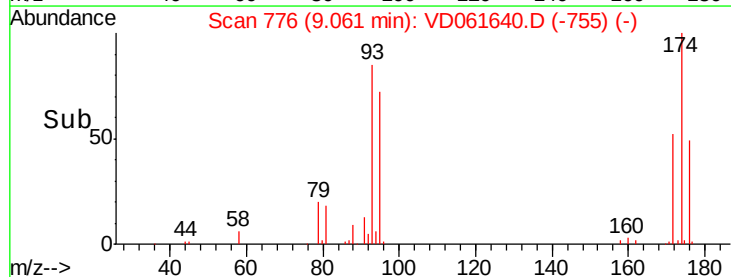
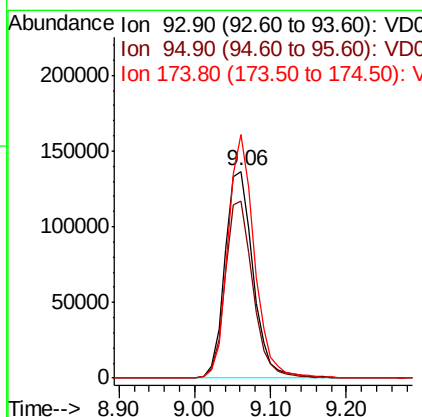
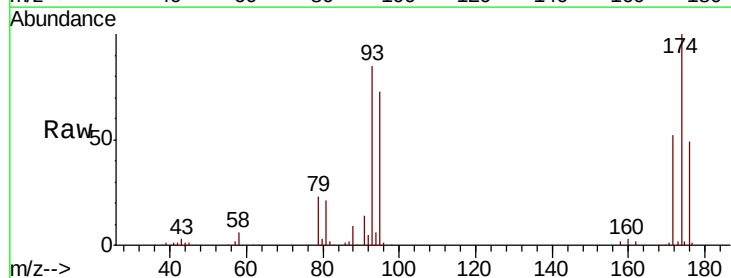
Instrument :
 MSVOA_D
 ClientSampleId :

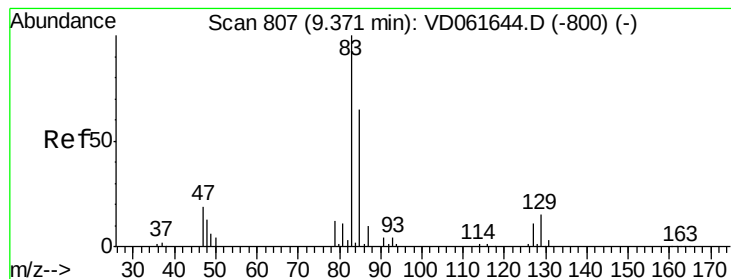
Tot Ion: 63 Resp: 438138
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.5 36.7



#46
 Dibromomethane
 Concen: 71.036 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 93 Resp: 351391
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.6 103.0
 174 117.5 83.0 124.4





#47

Bromodichloromethane

Concen: 67.652 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

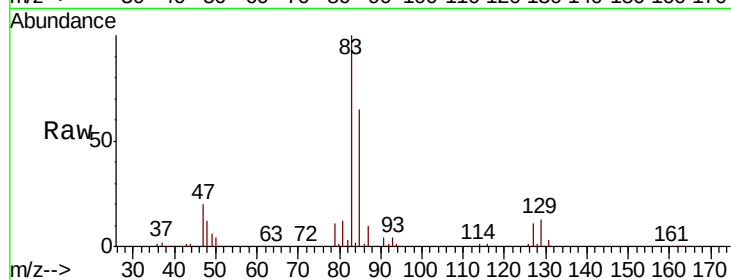
Tot Ion: 83 Resp: 748053

Ion Ratio Lower Upper

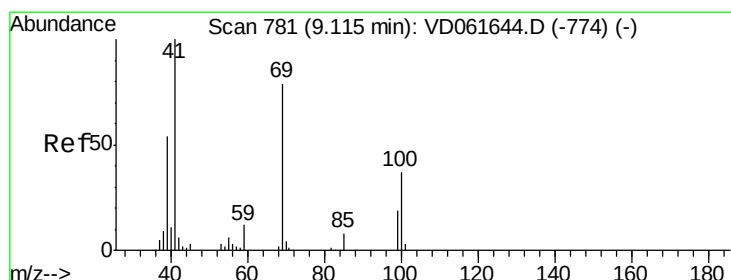
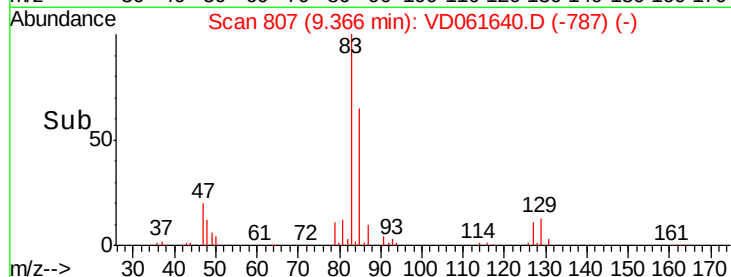
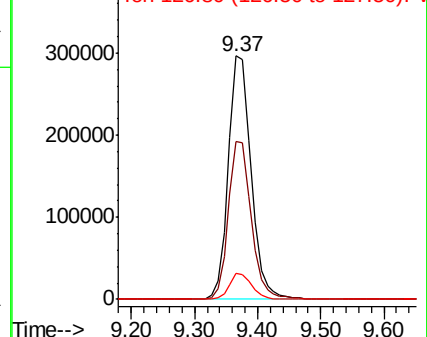
83 100

85 65.0 51.8 77.6

127 10.6 9.0 13.6



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



#48

Methyl methacrylate

Concen: 76.142 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

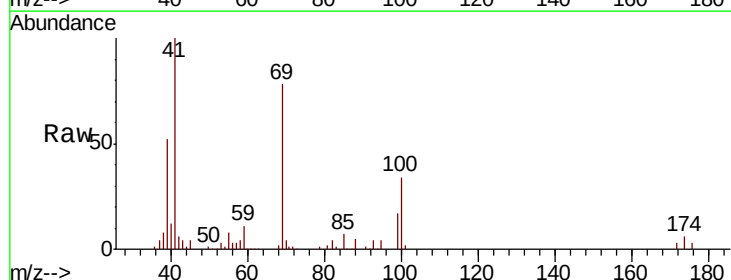
Tgt Ion: 41 Resp: 295739

Ion Ratio Lower Upper

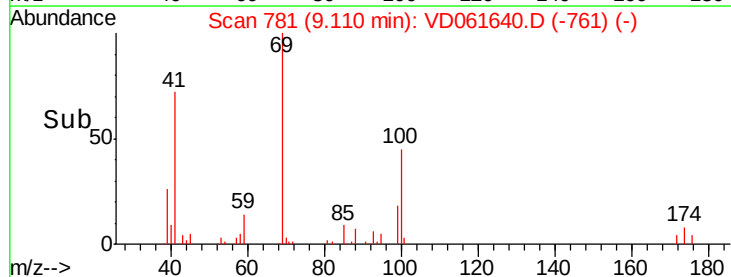
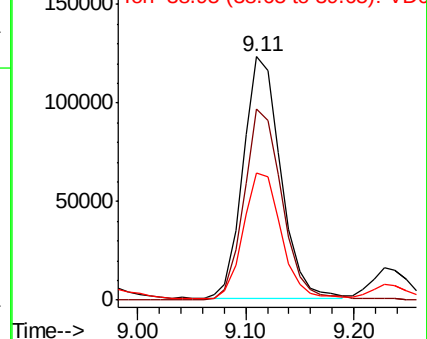
41 100

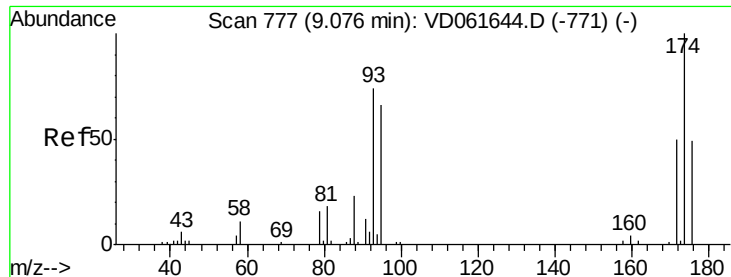
69 78.3 63.1 94.7

39 52.3 43.8 65.8



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

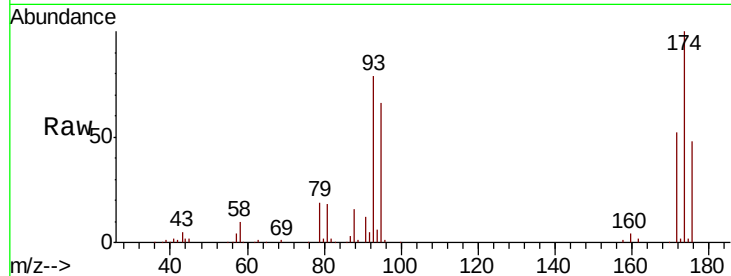




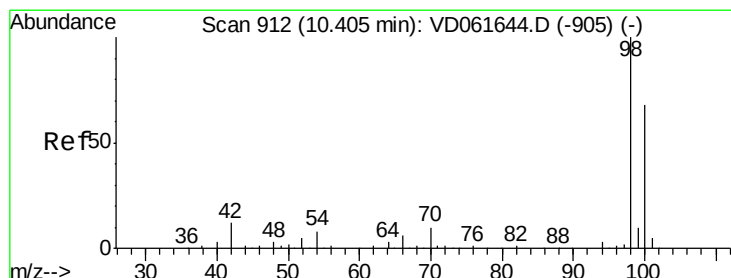
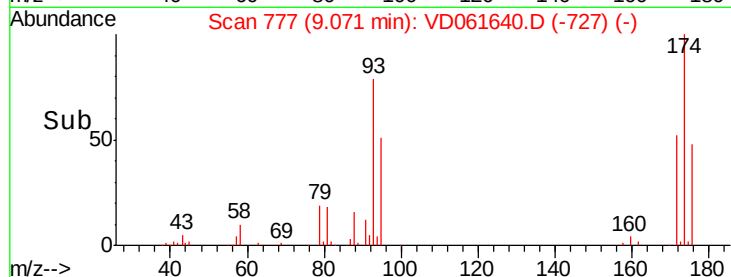
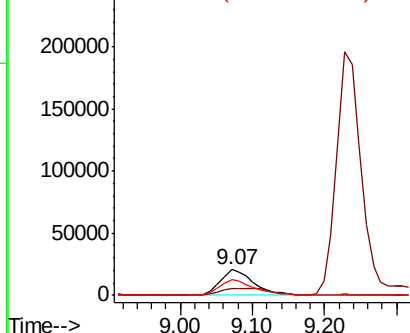
#49
1,4-Dioxane
Concen: 1559.325 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 67037
Ion Ratio Lower Upper
88 100
43 29.1 21.8 32.8
58 63.3 40.2 60.2#

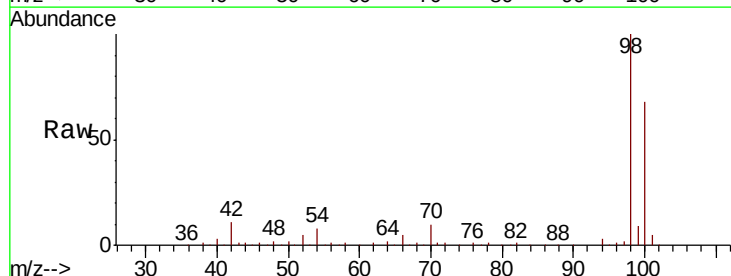


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

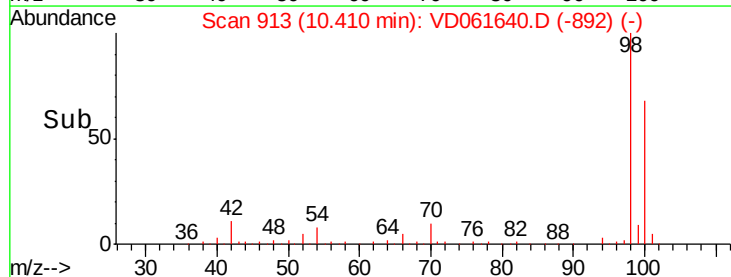
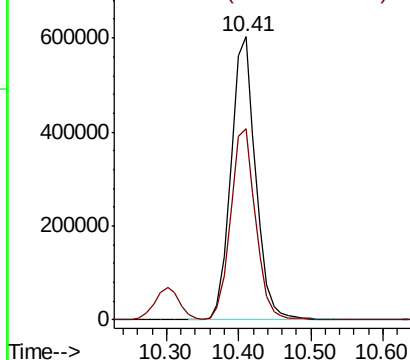


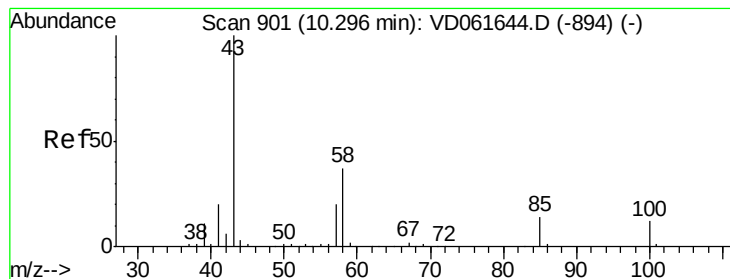
#50
Toluene-d8
Concen: 1559.325 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 98 Resp: 1435439
Ion Ratio Lower Upper
98 100
100 67.6 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 322.868 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

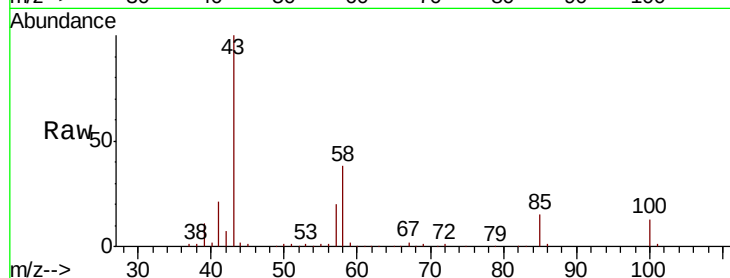
ClientSampled :

Tot Ion: 43 Resp: 1335447

Ion Ratio Lower Upper

43 100

58 38.4 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

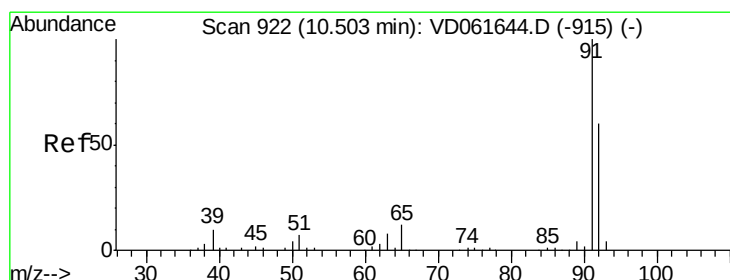
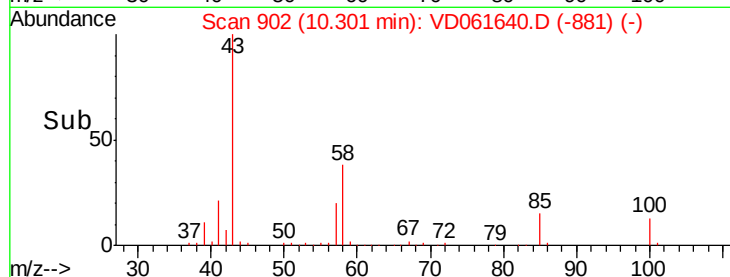
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 65.892 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061640.D

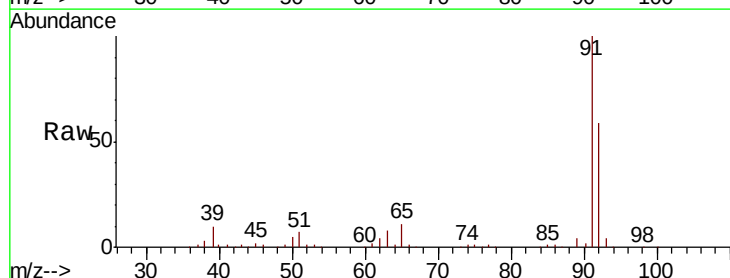
Acq: 6 Apr 2019 13:30

Tgt Ion: 92 Resp: 1162854

Ion Ratio Lower Upper

92 100

91 168.1 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

800000

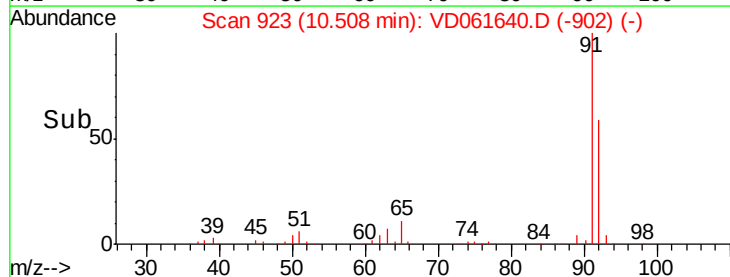
600000

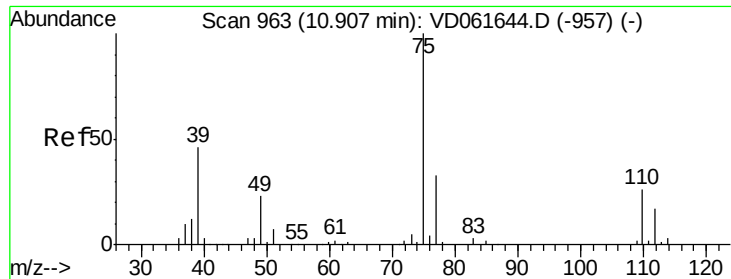
400000

200000

0

Time-->

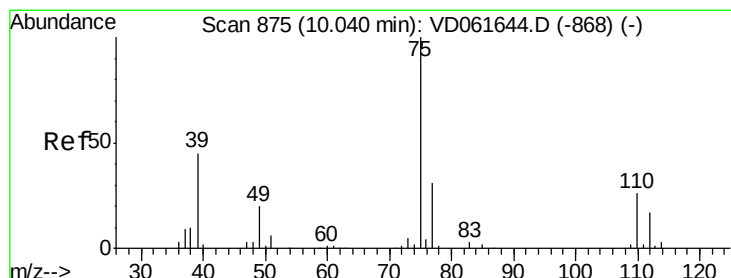
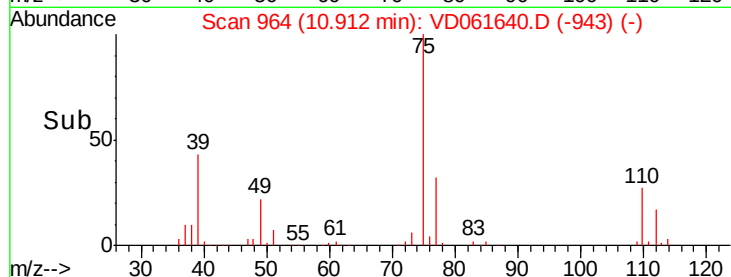
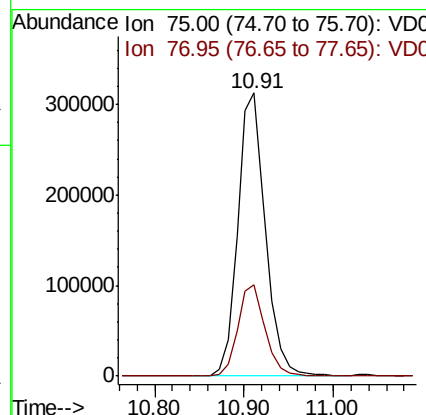
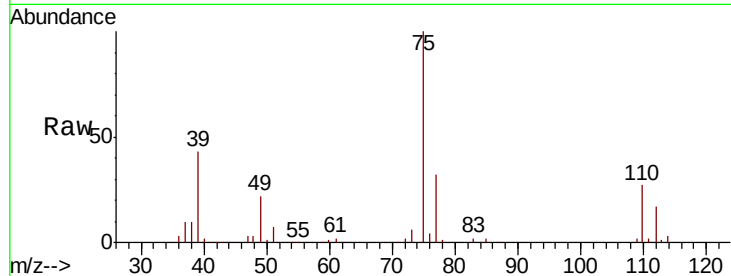




#53
 t-1,3-Dichloropropene
 Concen: 68.947 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

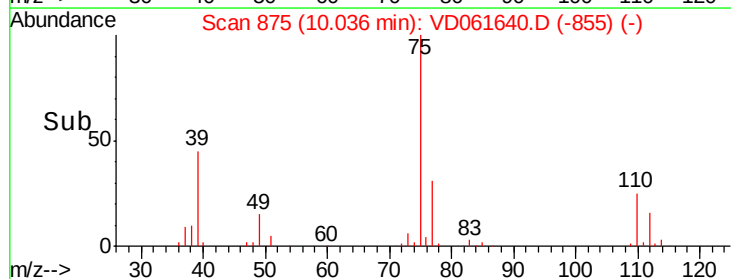
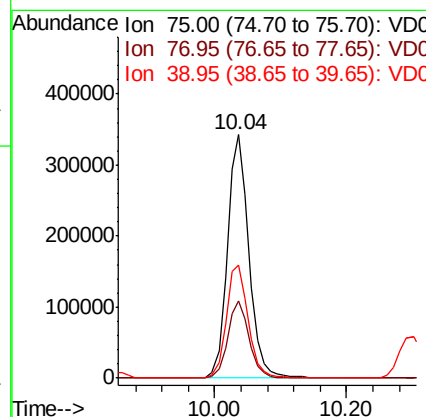
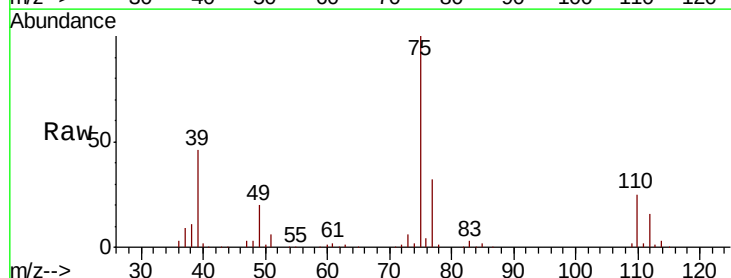
Instrument :
 MSVOA_D
 ClientSampleId :

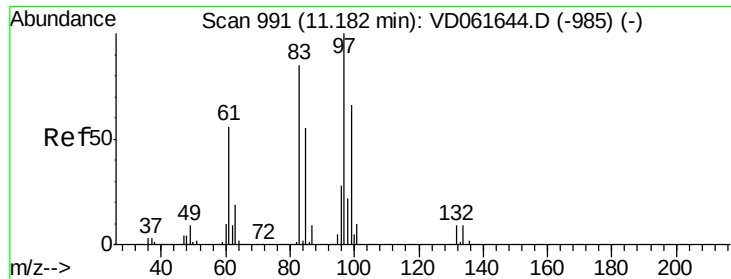
Tot Ion: 75 Resp: 673288
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 64.591 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 75 Resp: 777008
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0
 39 46.3 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 67.265 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 391395

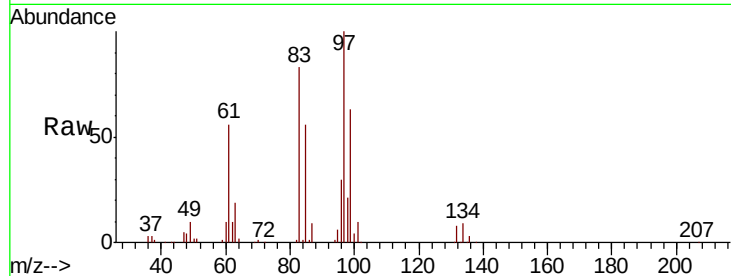
Ion Ratio Lower Upper

97 100

83 82.8 67.8 101.6

85 55.6 43.8 65.8

99 63.4 52.8 79.2

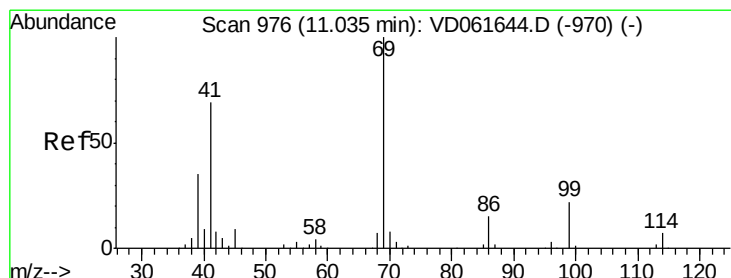
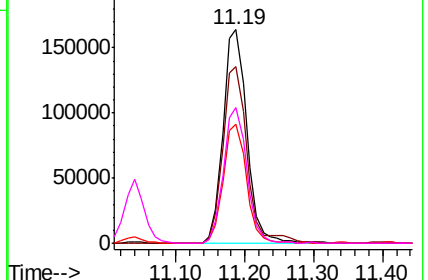
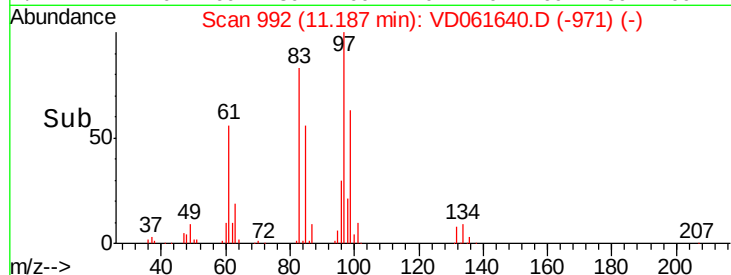


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 68.126 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

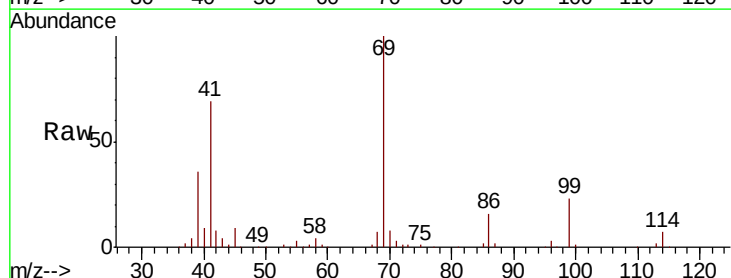
Tgt Ion: 69 Resp: 430715

Ion Ratio Lower Upper

69 100

41 69.2 55.2 82.8

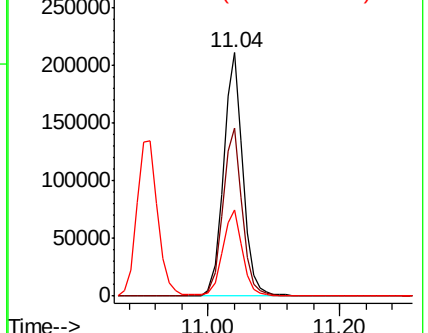
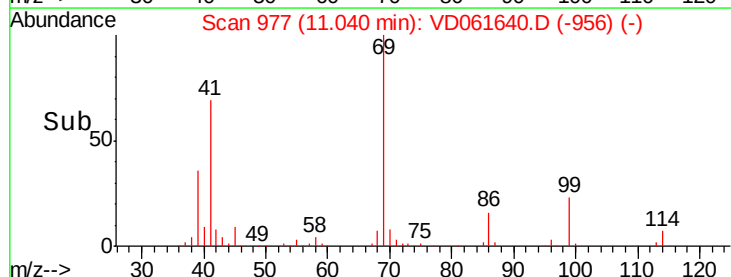
39 35.6 28.6 43.0

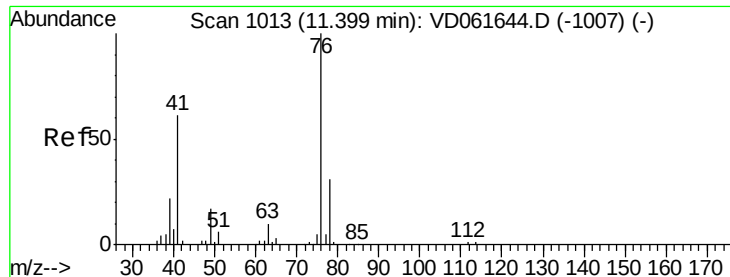


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 64.808 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

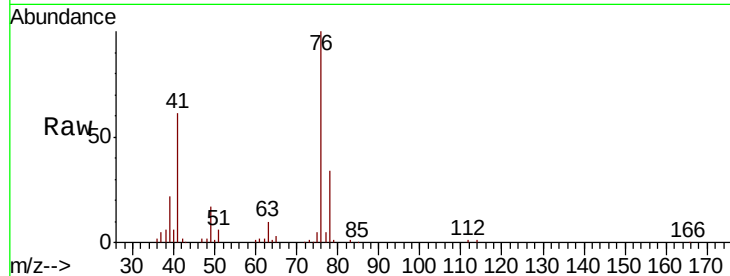
ClientSampled :

Tot Ion: 76 Resp: 569371

Ion Ratio Lower Upper

76 100

78 33.6 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

250000

200000

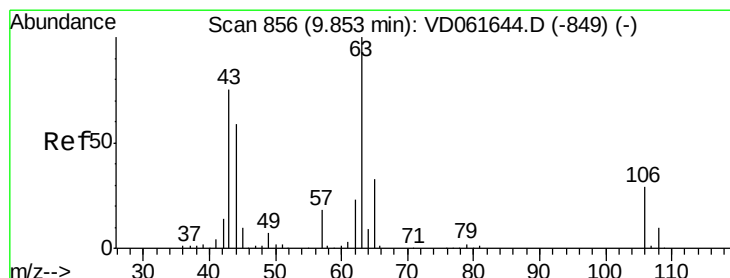
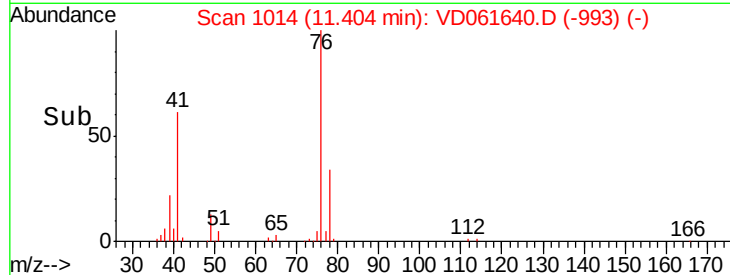
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 332.407 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD061640.D

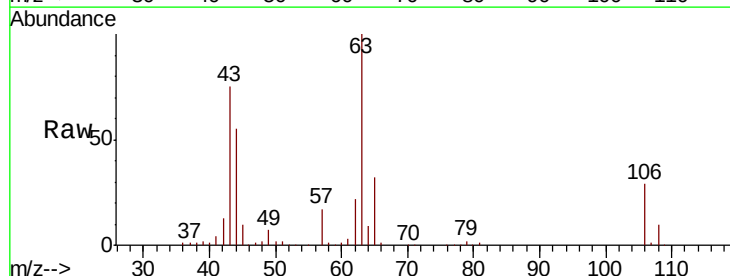
Acq: 6 Apr 2019 13:30

Tgt Ion: 63 Resp: 952118

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

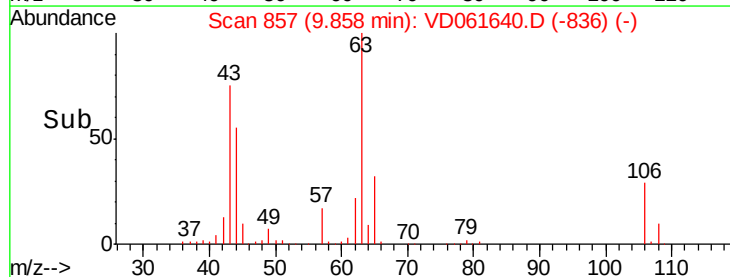
300000

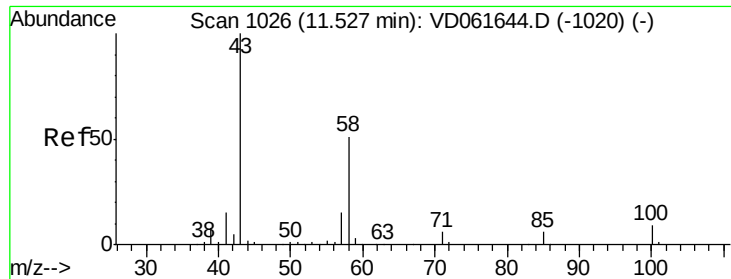
200000

100000

0

Time-->

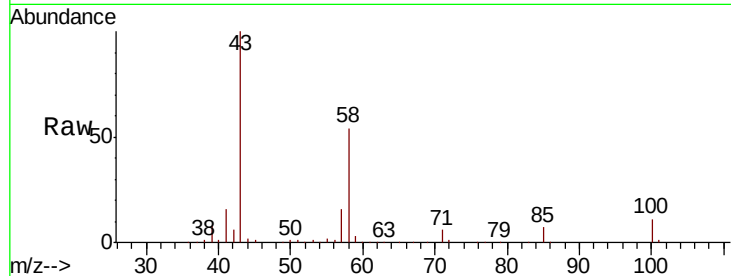




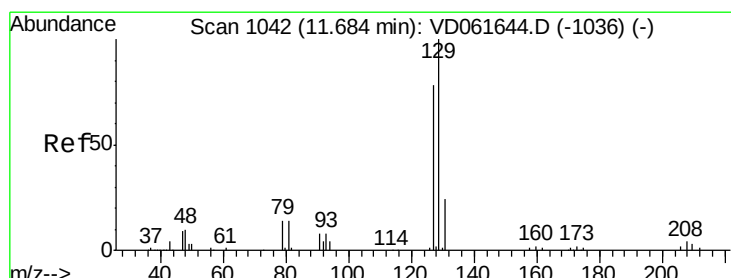
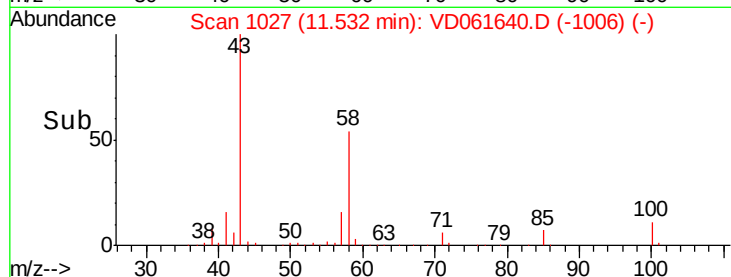
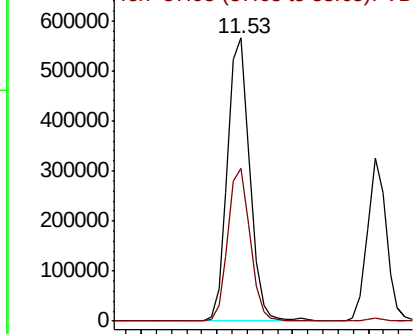
#59
2-Hexanone
Concen: 368.266 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1149542
Ion Ratio Lower Upper
43 100
58 53.9 25.6 76.8

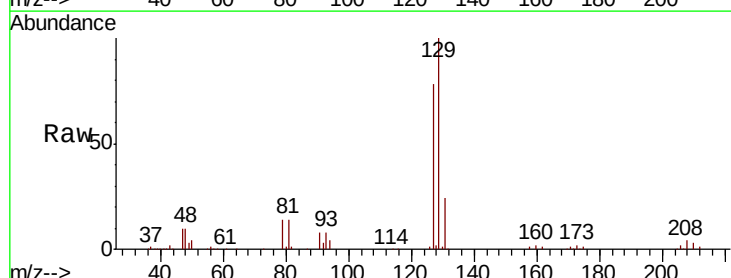


Abundance Ion 42.95 (42.65 to 43.65): VD061640.D (-1020) (-)
Ion 57.95 (57.65 to 58.65): VD061640.D (-1020) (-)

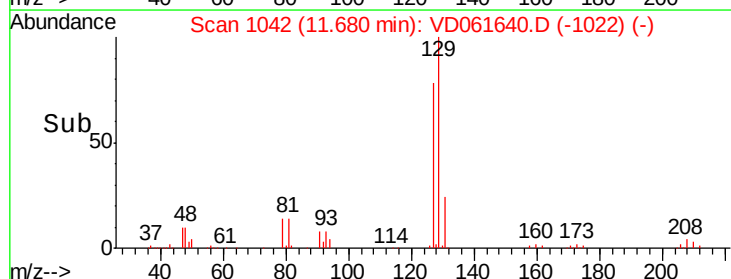
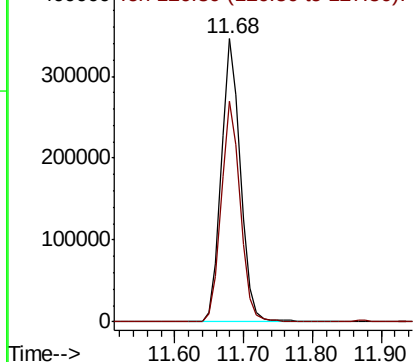


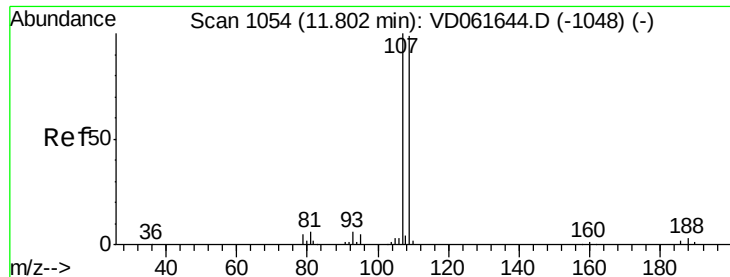
#60
Dibromochloromethane
Concen: 71.963 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 129 Resp: 666522
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): VD061640.D (-1036) (-)
Ion 126.80 (126.50 to 127.50): VD061640.D (-1036) (-)

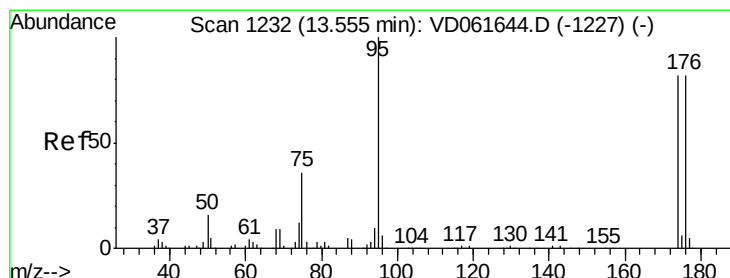
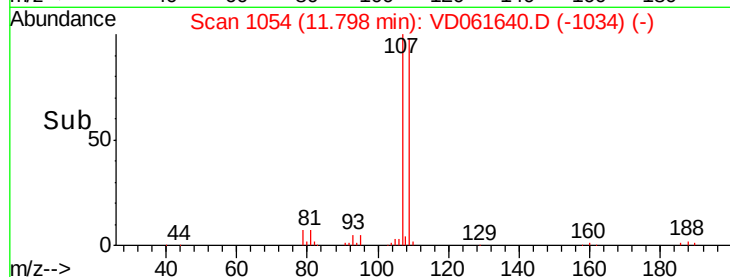
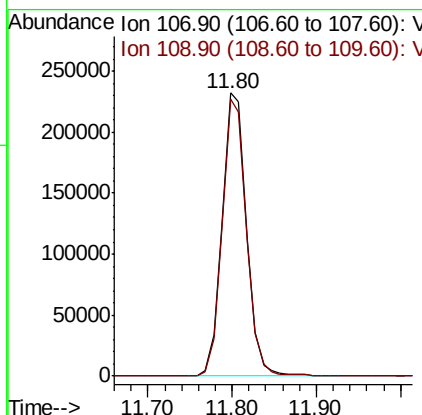
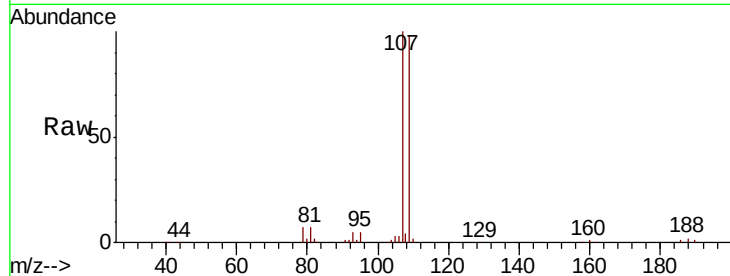




#61
 1,2-Dibromoethane
 Concen: 67.580 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

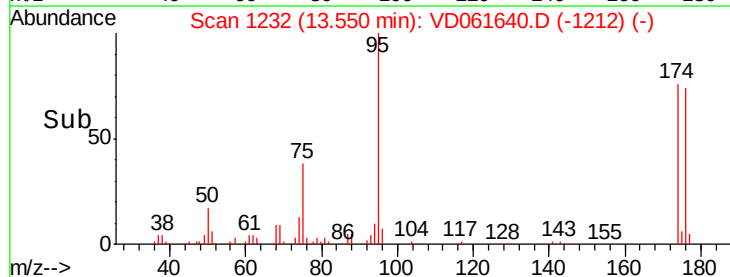
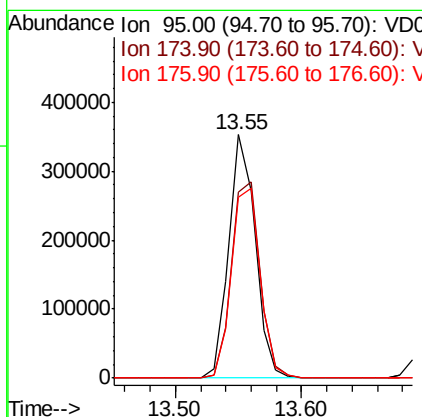
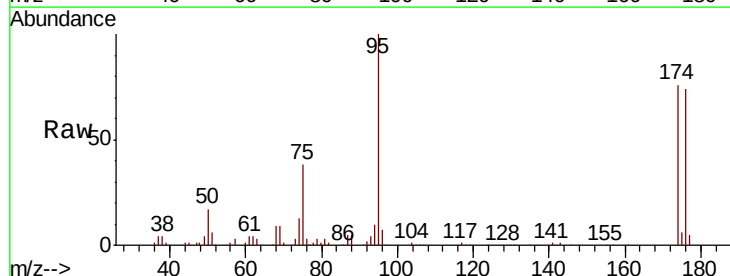
Instrument :
 MSVOA_D
 ClientSampled :

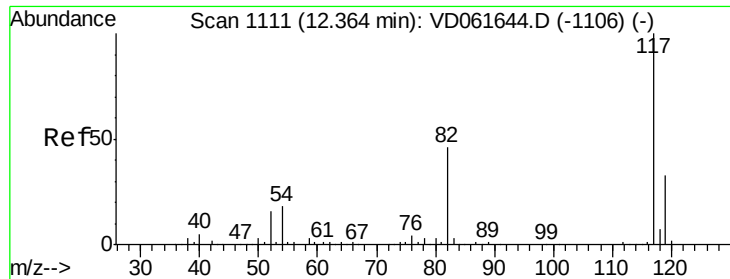
Tot Ion:107 Resp: 464035
 Ion Ratio Lower Upper
 107 100
 109 97.7 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 67.580 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 95 Resp: 510532
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 164.6
 176 74.3 0.0 165.0

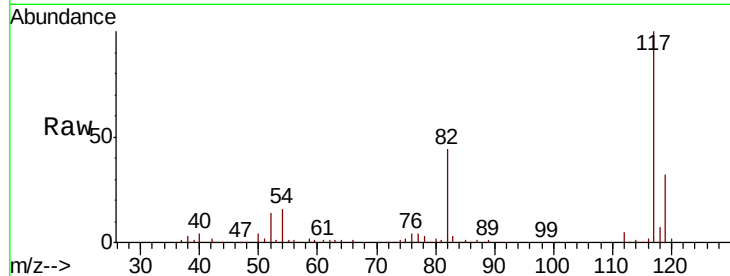




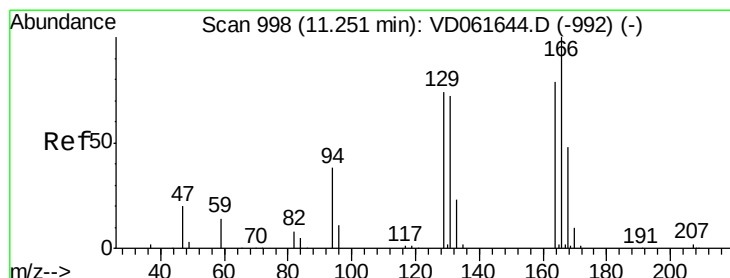
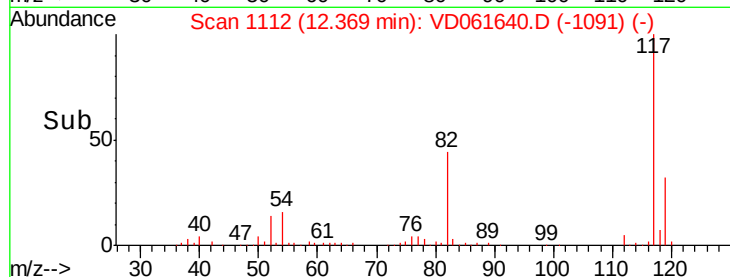
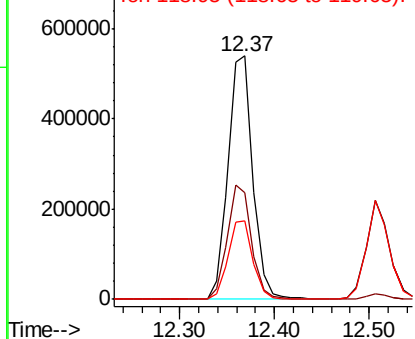
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 977308
Ion Ratio Lower Upper
117 100
82 43.8 36.8 55.2
119 32.5 26.1 39.1

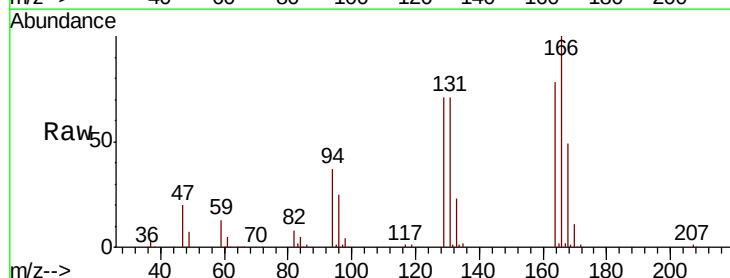


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

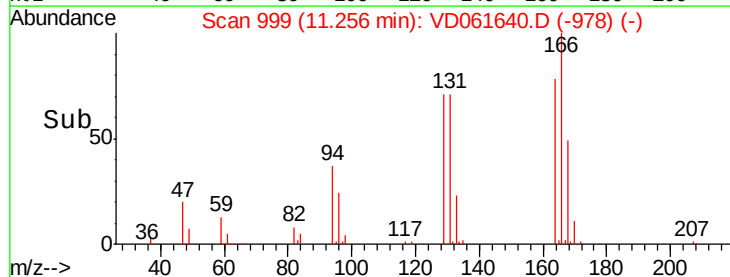
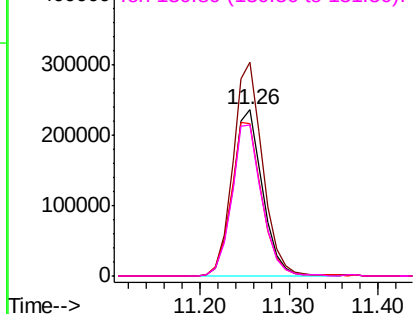


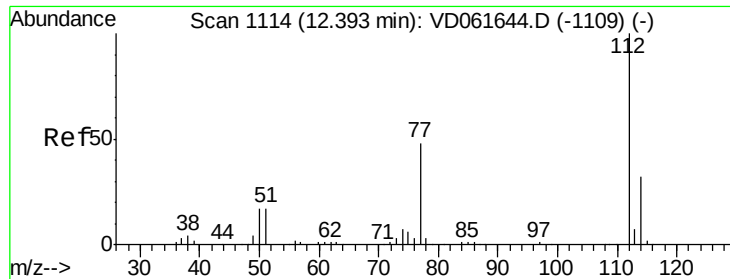
#64
Tetrachloroethene
Concen: 73.571 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:164 Resp: 548662
Ion Ratio Lower Upper
164 100
166 128.6 101.8 152.8
129 91.3 75.4 113.0
131 90.8 73.6 110.4



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

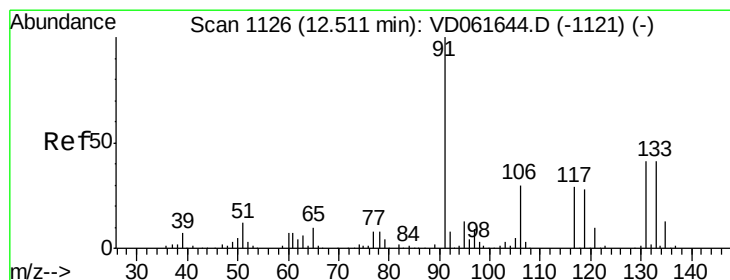
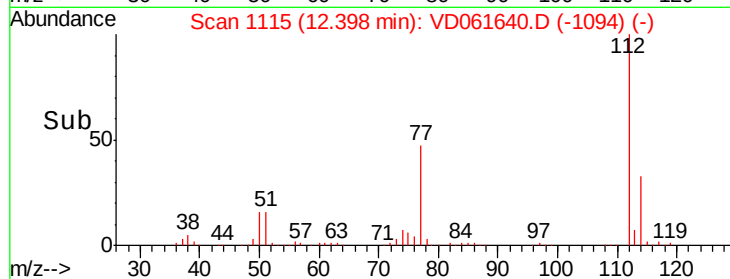
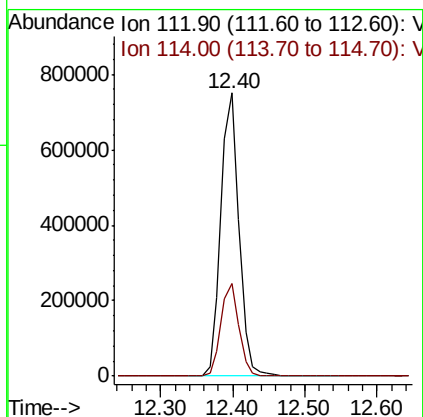
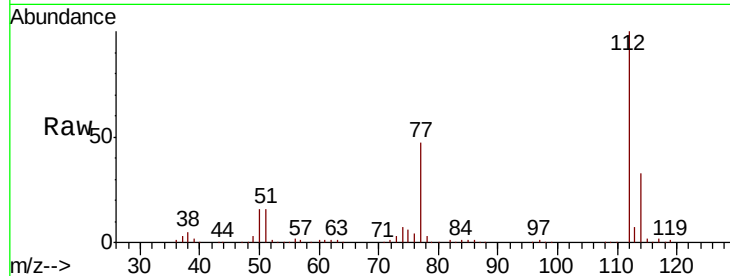




#65
Chlorobenzene
Concen: 67.568 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

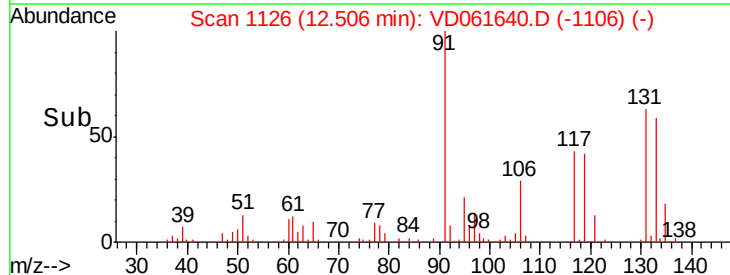
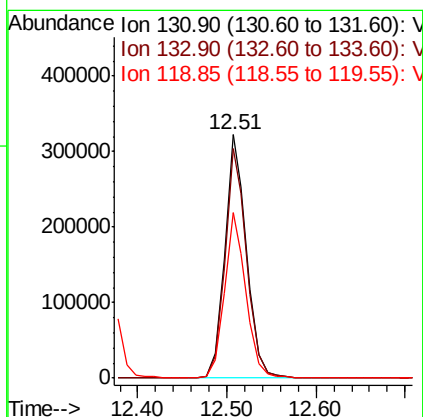
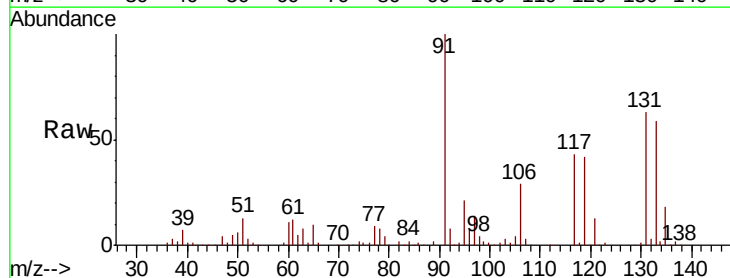
Instrument :
MSVOA_D
ClientSampled :

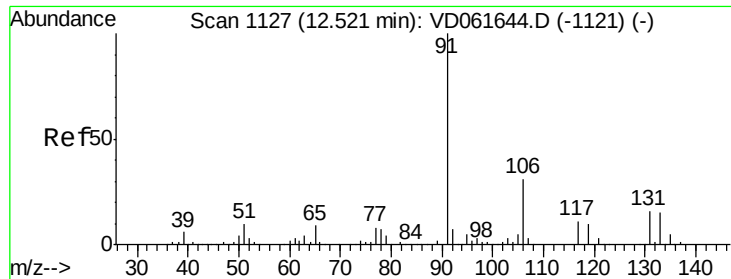
Tot Ion:112 Resp: 1301897
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 72.052 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:131 Resp: 552061
Ion Ratio Lower Upper
131 100
133 94.2 49.5 148.3
119 67.9 34.7 104.1

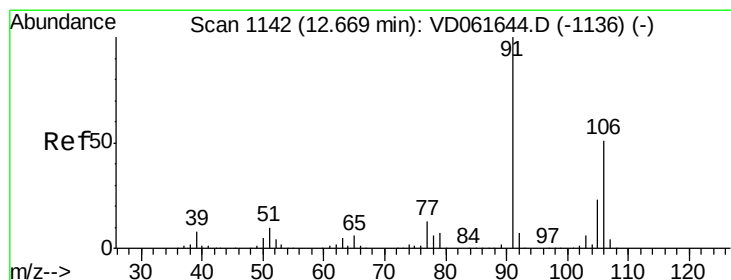
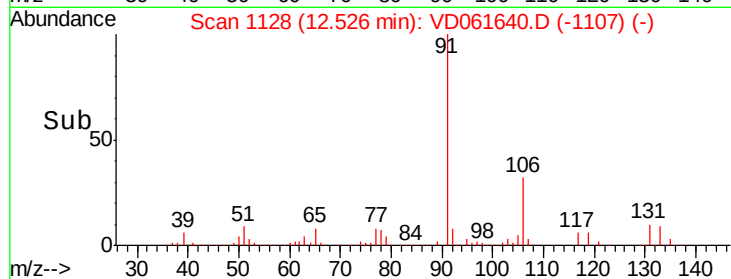
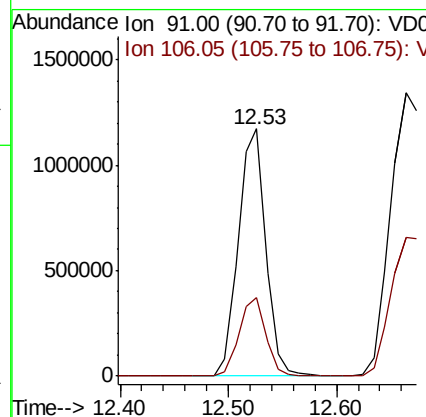
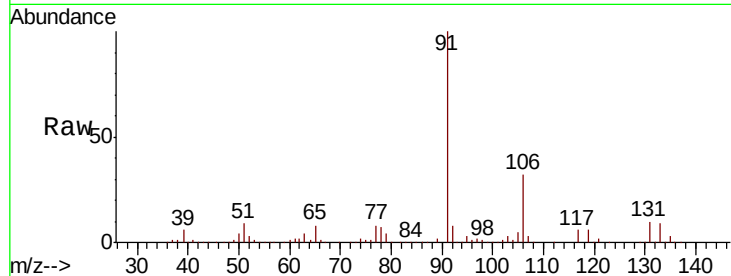




#67
Ethyl Benzene
Concen: 67.066 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

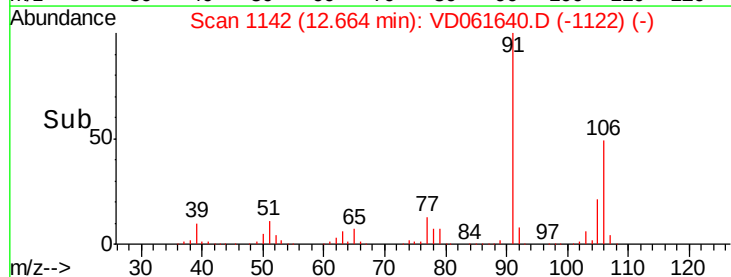
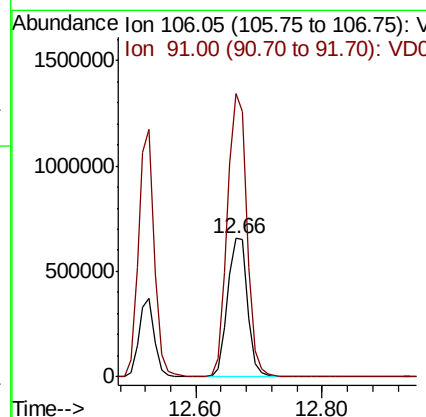
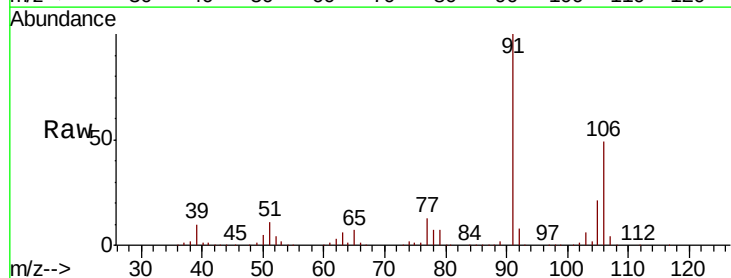
Instrument :
MSVOA_D
ClientSampled :

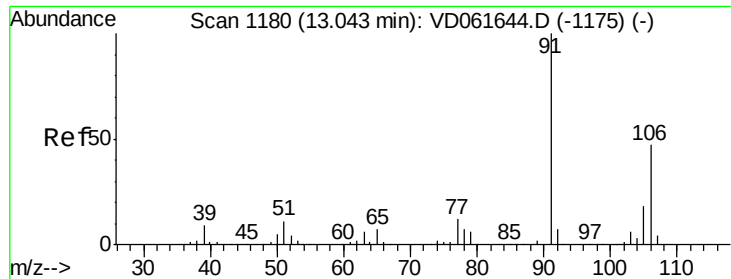
Tot Ion: 91 Resp: 2058387
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0



#68
m/p-Xylenes
Concen: 127.049 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:106 Resp: 1440303
Ion Ratio Lower Upper
106 100
91 204.7 156.7 235.1

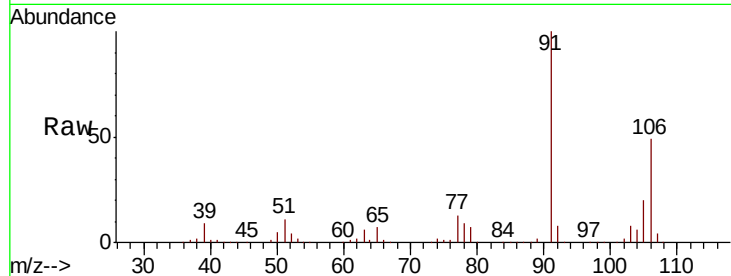




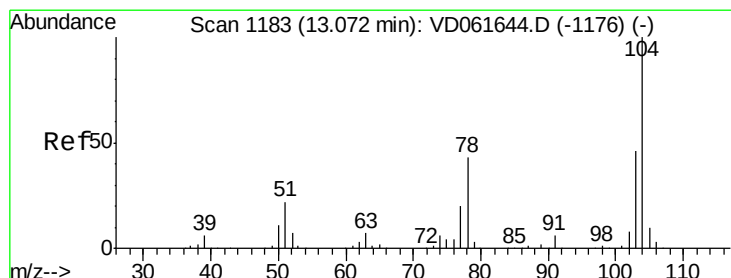
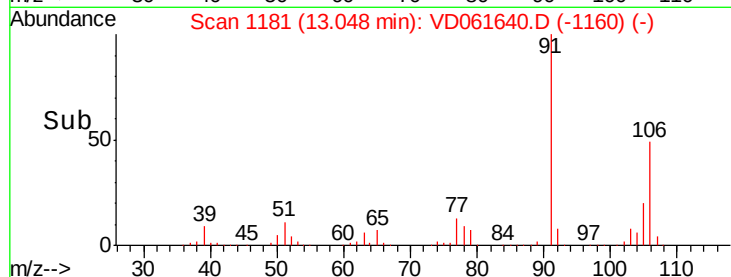
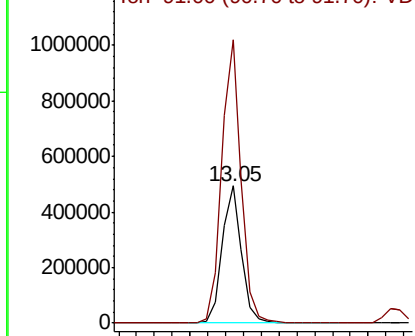
#69
o-Xylene
Concen: 68.434 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 750303
Ion Ratio Lower Upper
106 100
91 206.1 107.3 321.9

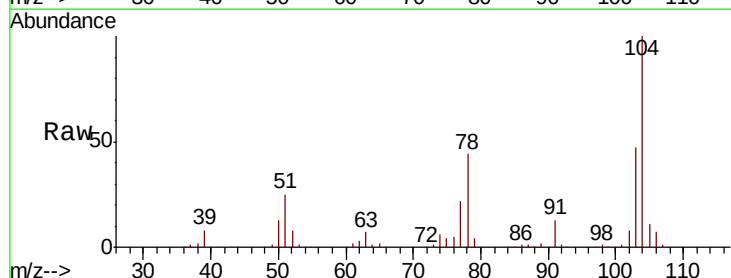


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

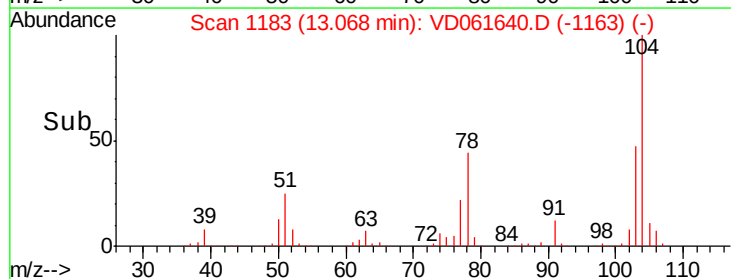
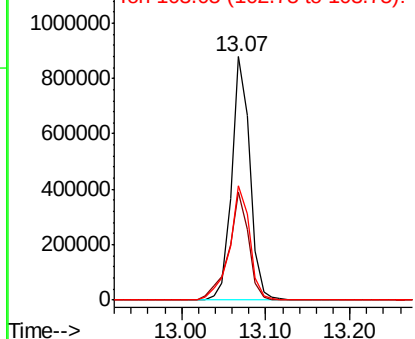


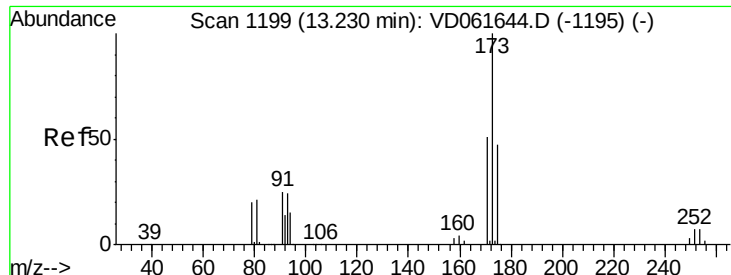
#70
Styrene
Concen: 69.869 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:104 Resp: 1311797
Ion Ratio Lower Upper
104 100
78 44.1 34.2 51.4
103 46.9 37.2 55.8



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

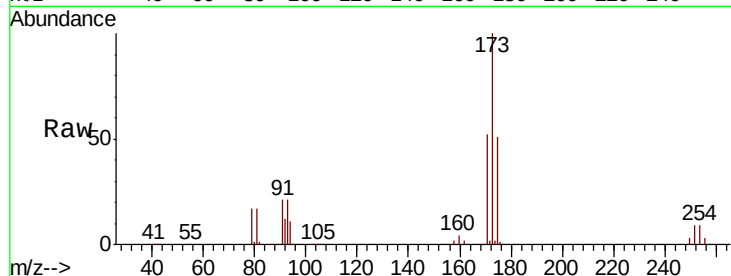




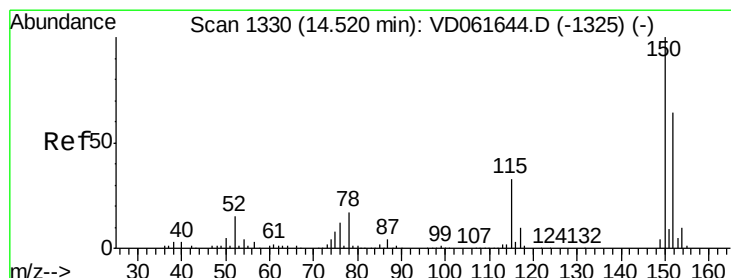
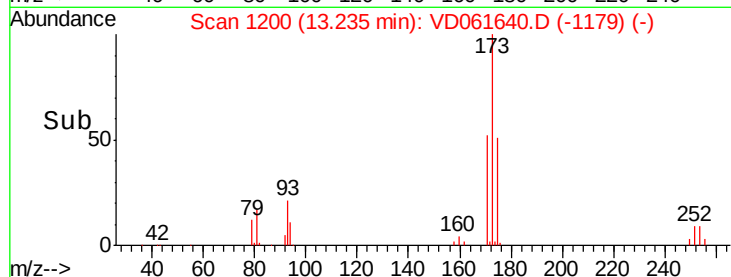
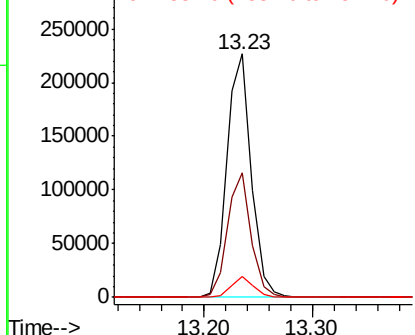
#71
Bromoform
Concen: 77.339 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 353627
Ion Ratio Lower Upper
173 100
175 51.4 23.7 71.1
254 8.7 5.8 8.6#

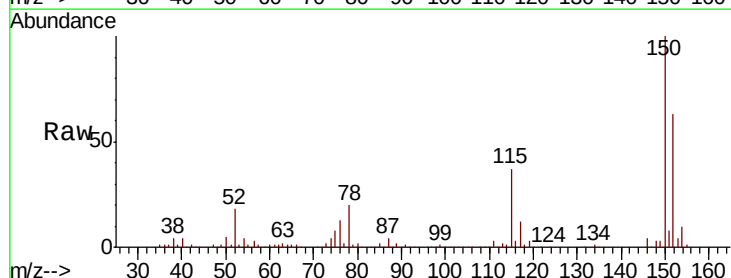


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

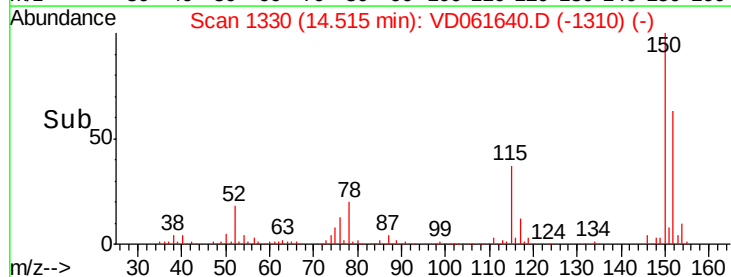
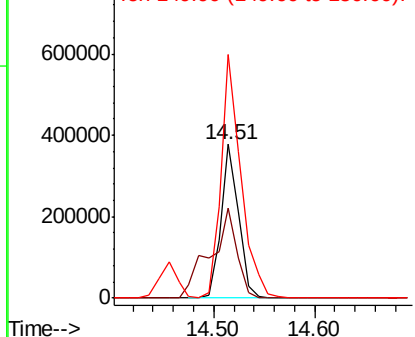


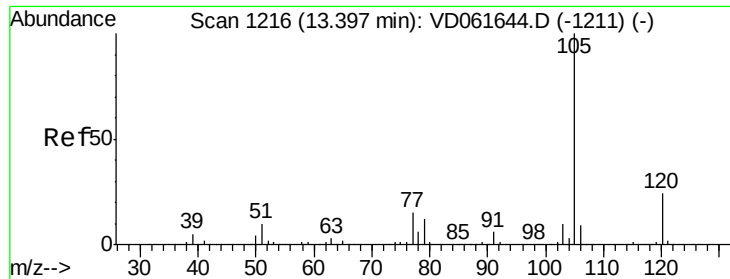
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:152 Resp: 460681
Ion Ratio Lower Upper
152 100
115 58.3 26.4 79.2
150 158.6 0.0 320.6



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





#73

Isopropylbenzene

Concen: 68.341 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

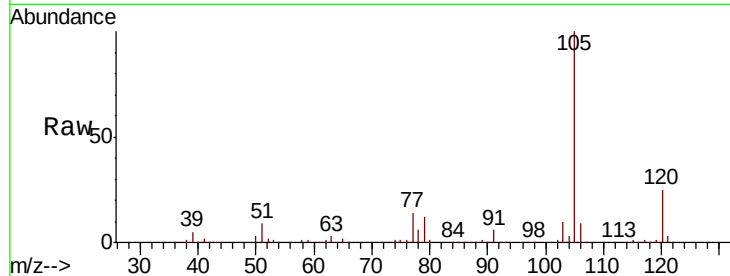
ClientSampled :

Tot Ion:105 Resp: 2118942

Ion Ratio Lower Upper

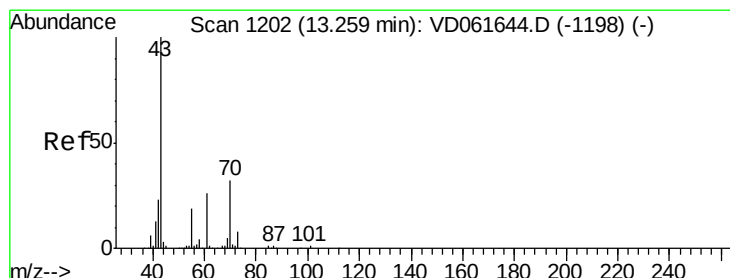
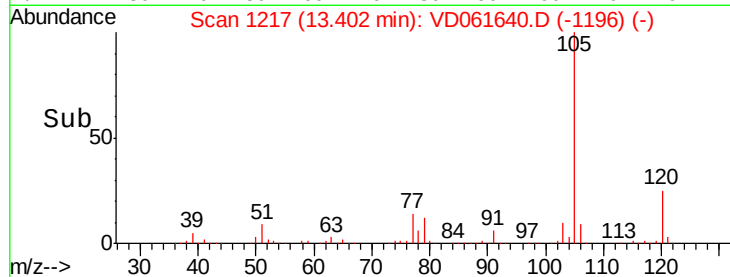
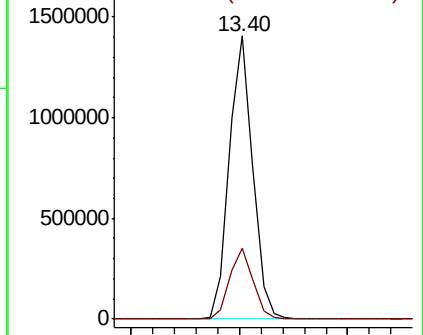
105 100

120 24.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 73.173 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Tgt Ion: 43 Resp: 613188

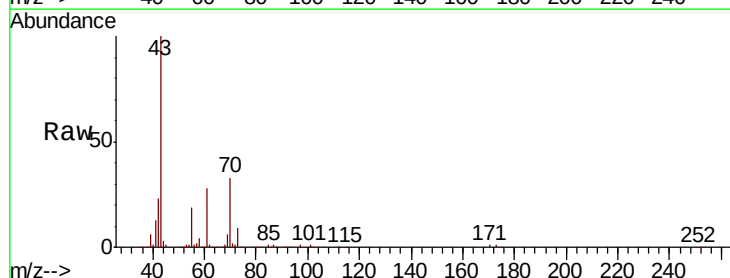
Ion Ratio Lower Upper

43 100

70 33.4 25.4 38.2

55 19.4 15.0 22.4

61 28.5 20.9 31.3

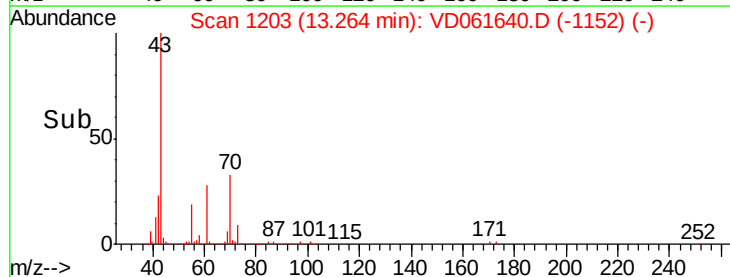
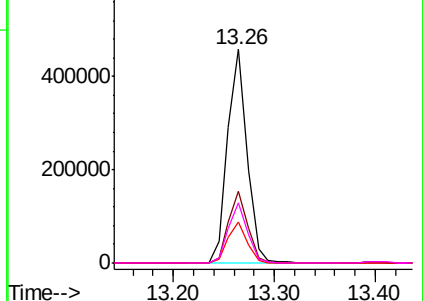


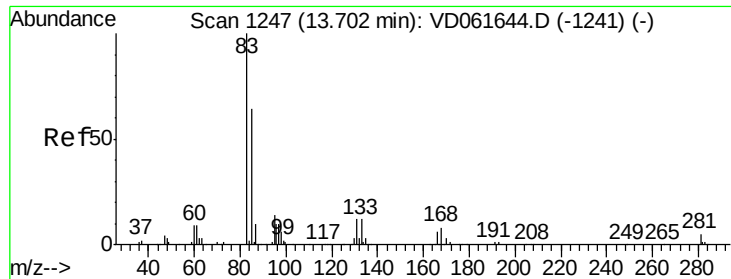
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 74.318 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

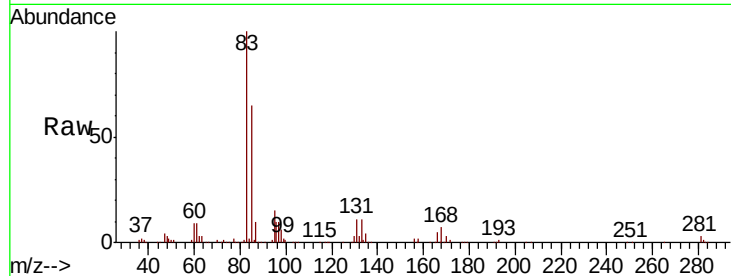
Tot Ion: 83 Resp: 460766

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.9	17.6
85	65.3	32.0	96.2

83 100

131 10.7 5.9 17.6

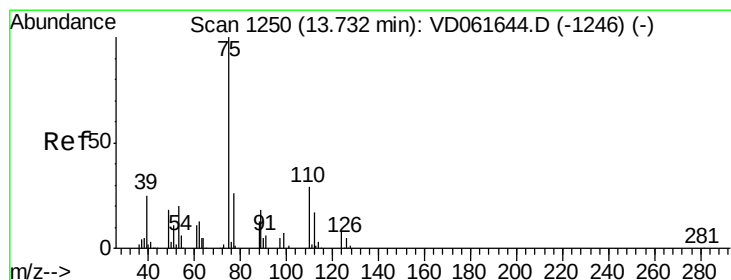
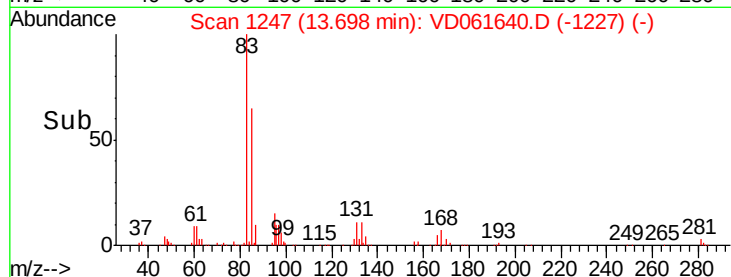
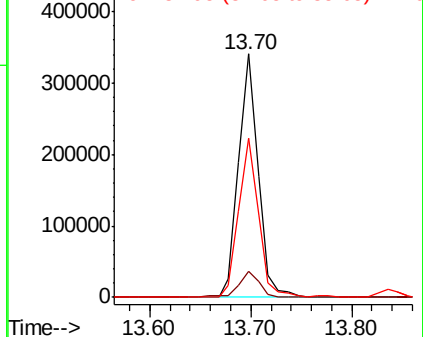
85 65.3 32.0 96.2



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: 74.362 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061640.D

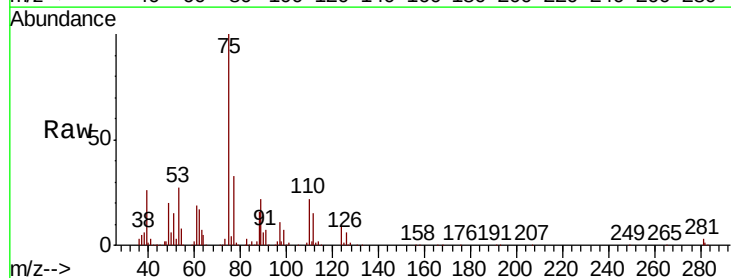
Acq: 6 Apr 2019 13:30

Tgt Ion: 75 Resp: 459695

Ion	Ratio	Lower	Upper
75	100		
77	33.4	15.7	47.1

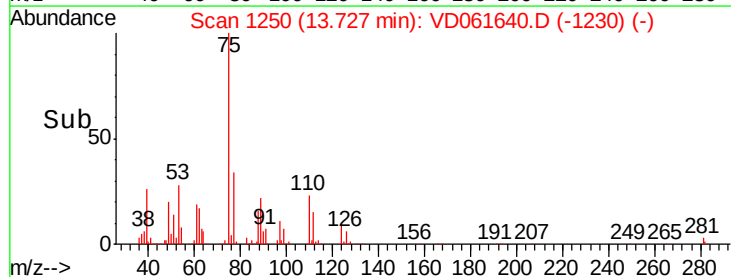
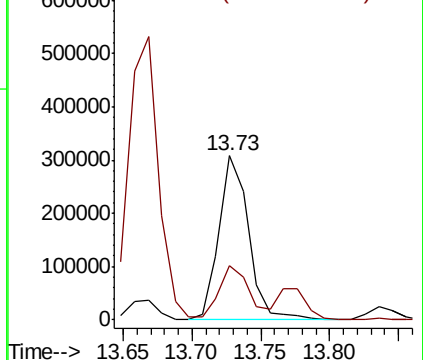
75 100

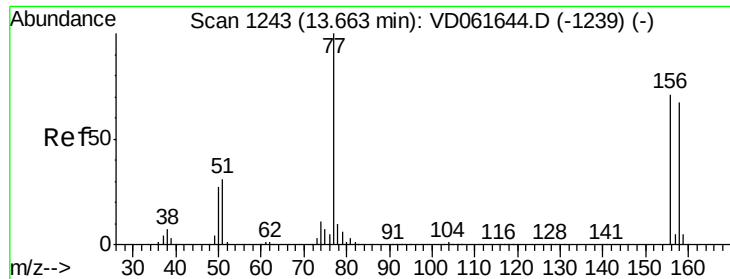
77 33.4 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

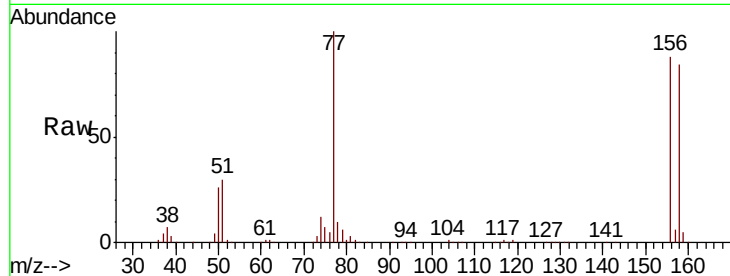




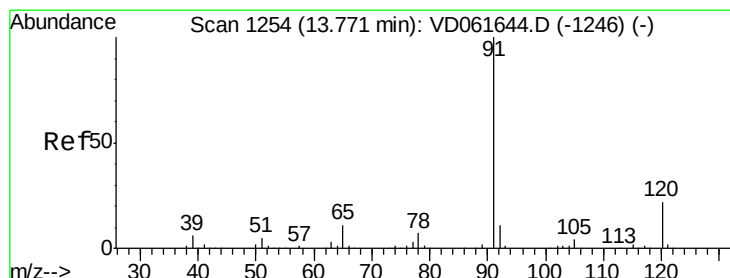
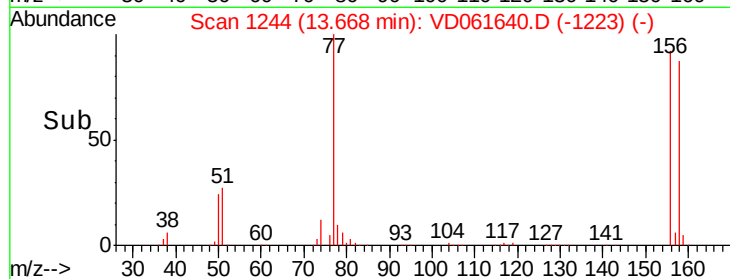
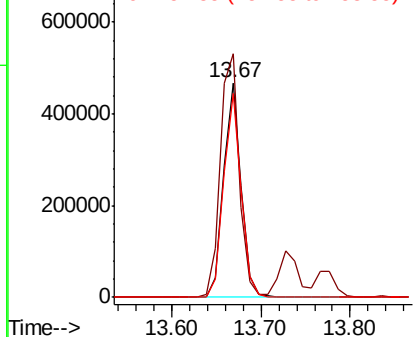
#77
Bromobenzene
Concen: 71.704 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 651351
Ion Ratio Lower Upper
156 100
77 113.6 70.3 210.8
158 95.3 47.4 142.2

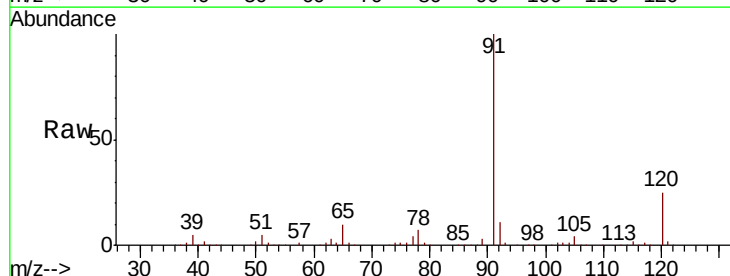


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

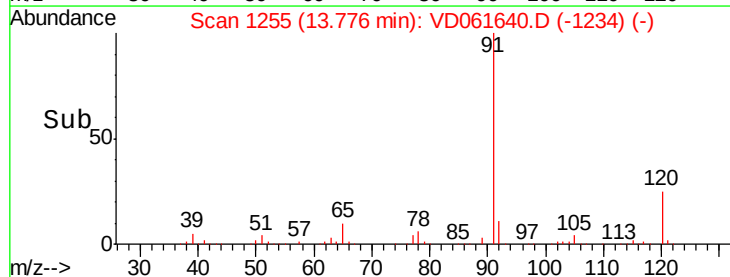
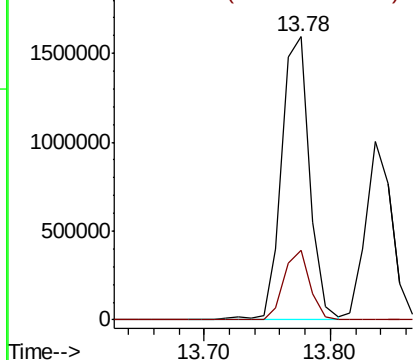


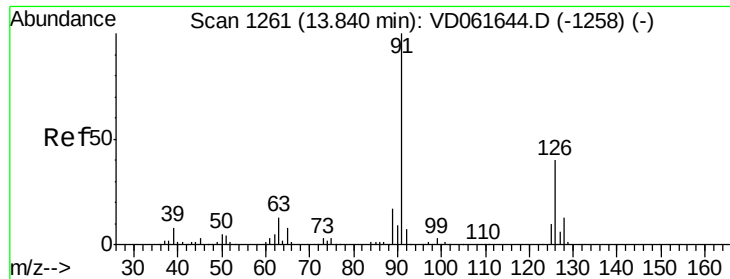
#78
n-propylbenzene
Concen: 67.699 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 91 Resp: 2469125
Ion Ratio Lower Upper
91 100
120 24.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 69.084 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

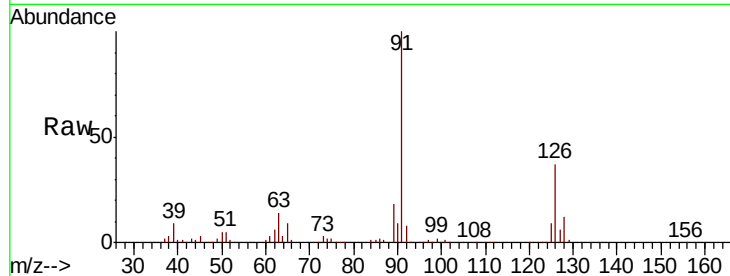
ClientSampleId :

Tot Ion: 91 Resp: 1440779

Ion Ratio Lower Upper

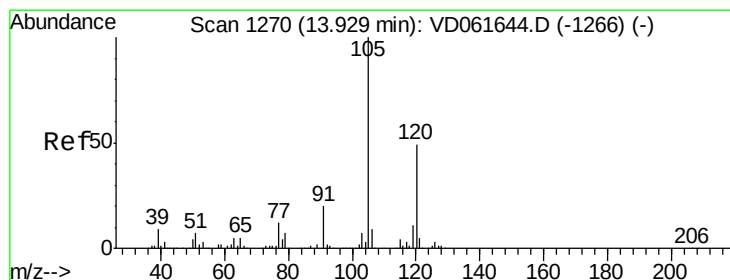
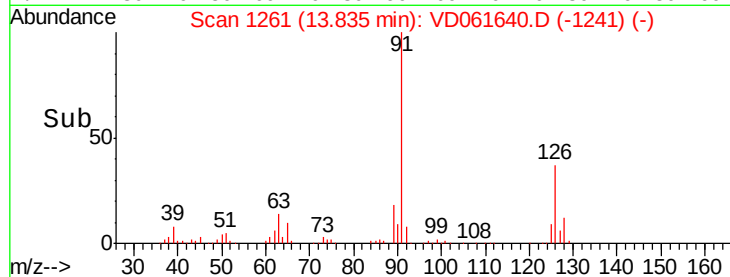
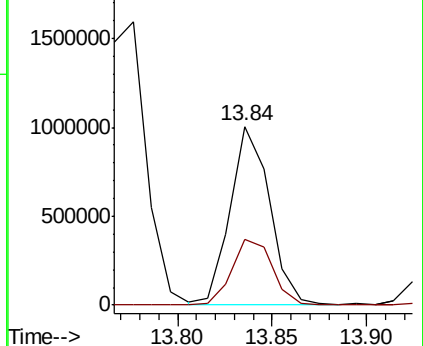
91 100

126 36.8 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 64.228 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061640.D

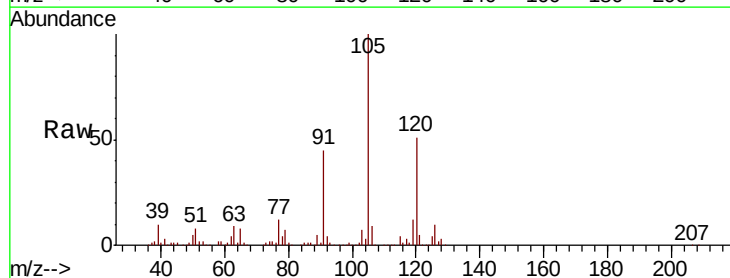
Acq: 6 Apr 2019 13:30

Tgt Ion:105 Resp: 1562933

Ion Ratio Lower Upper

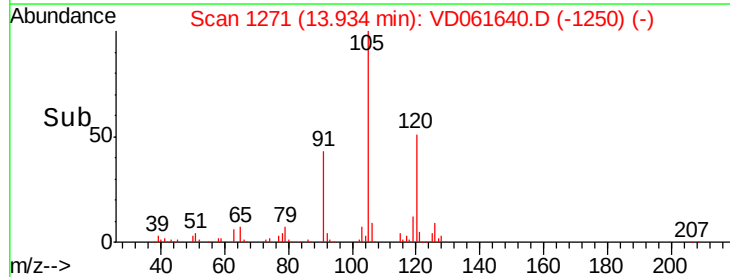
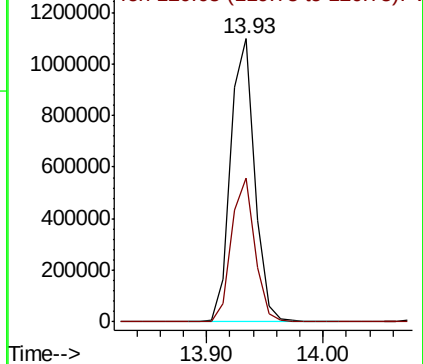
105 100

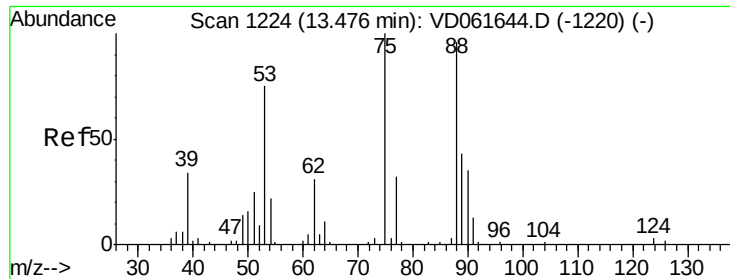
120 50.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.631 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061640.D

Acq: 6 Apr 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

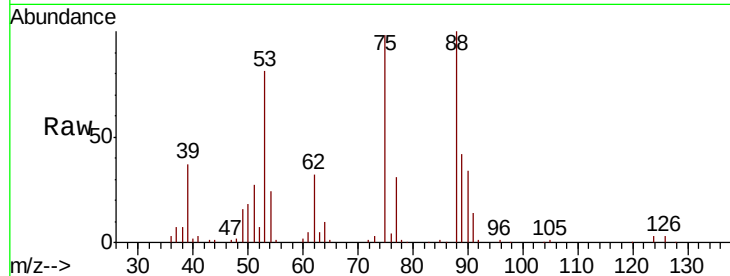
Tot Ion: 75 Resp: 154272

Ion Ratio Lower Upper

75 100

53 82.2 60.2 90.2

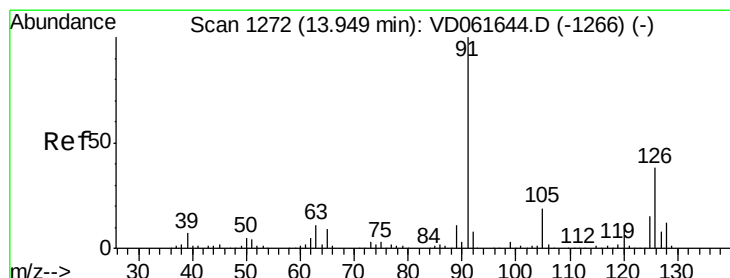
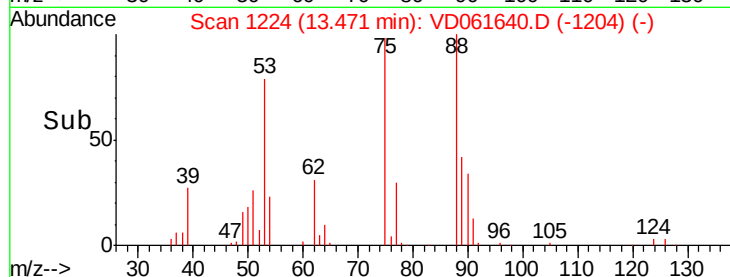
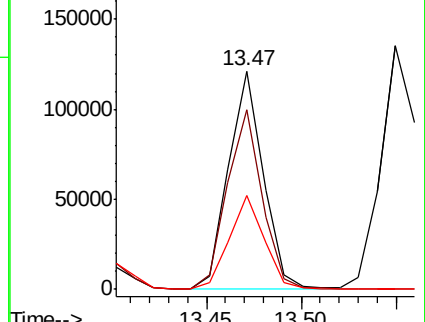
89 43.0 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 64.778 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061640.D

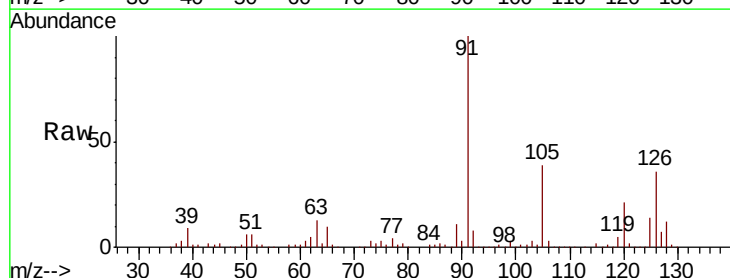
Acq: 6 Apr 2019 13:30

Tgt Ion: 91 Resp: 1476149

Ion Ratio Lower Upper

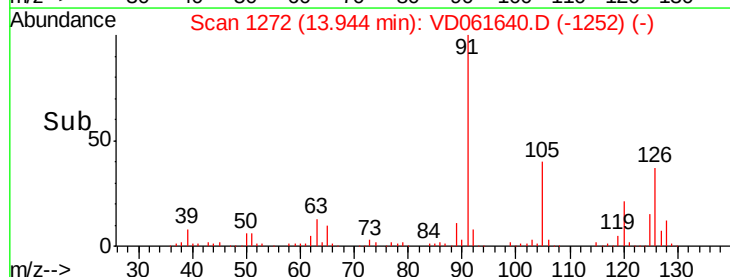
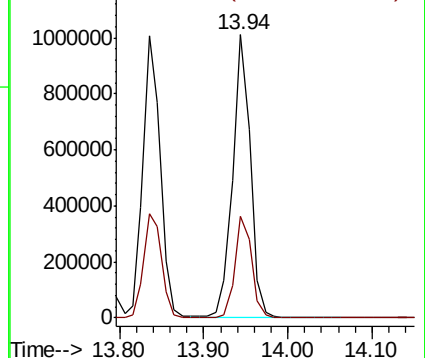
91 100

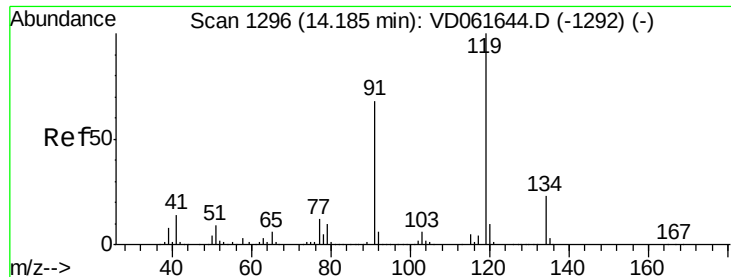
126 35.8 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

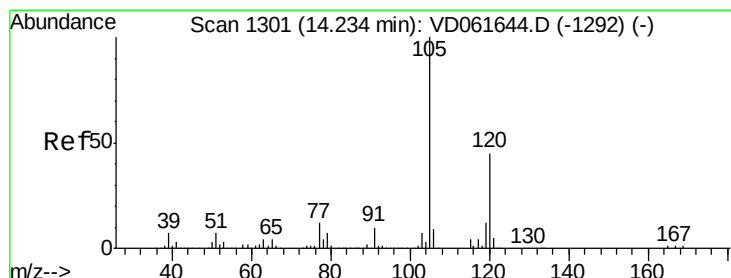
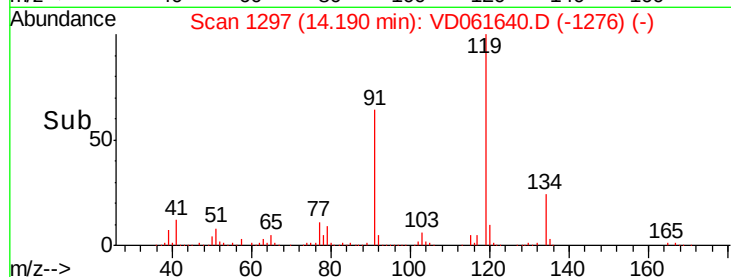
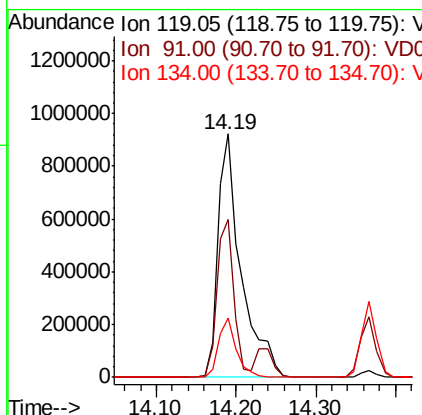
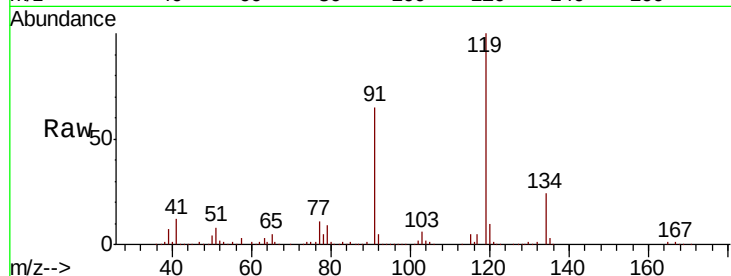




#83
 tert-Butylbenzene
 Concen: 64.607 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

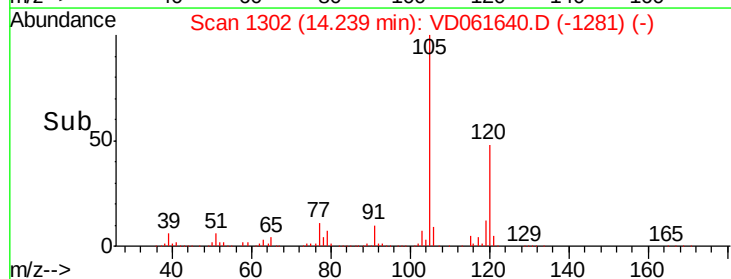
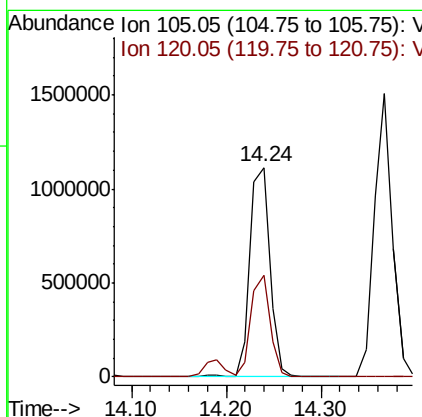
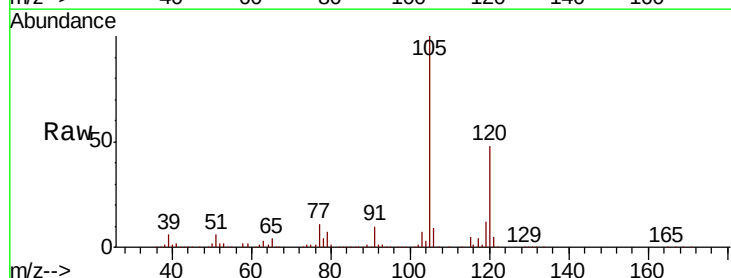
Instrument :
 MSVOA_D
 ClientSampleId :

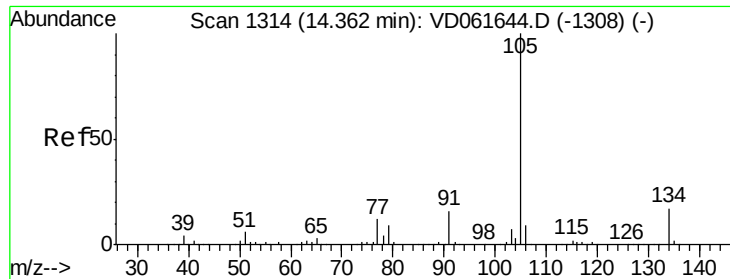
Tot Ion:119 Resp: 1880892
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.9 101.6
 134 24.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 65.500 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:105 Resp: 1637871
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.6 67.8

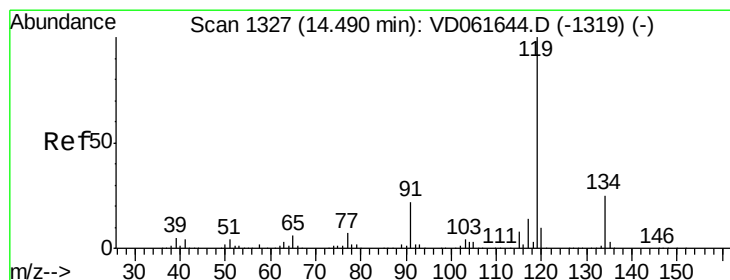
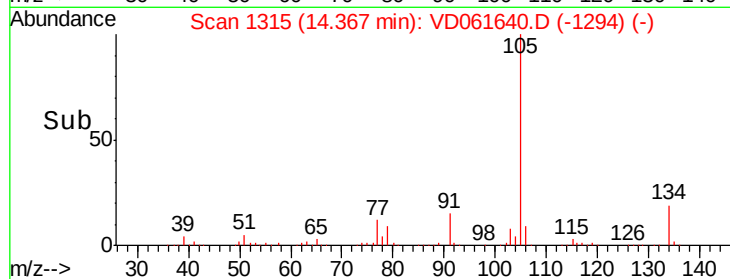
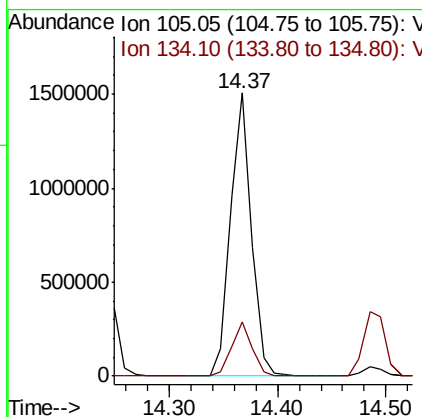
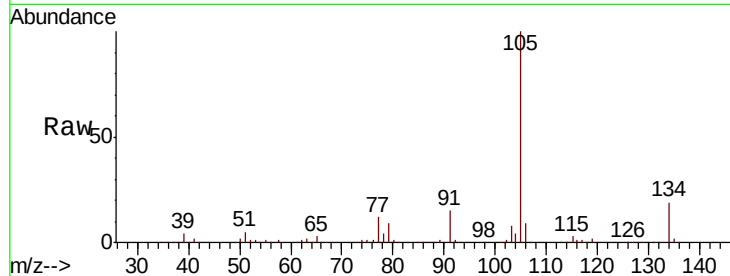




#85
 sec-Butylbenzene
 Concen: 65.101 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

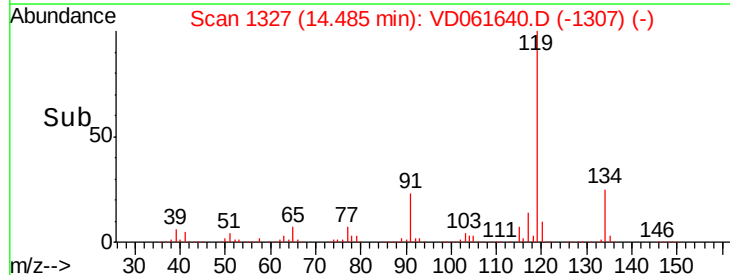
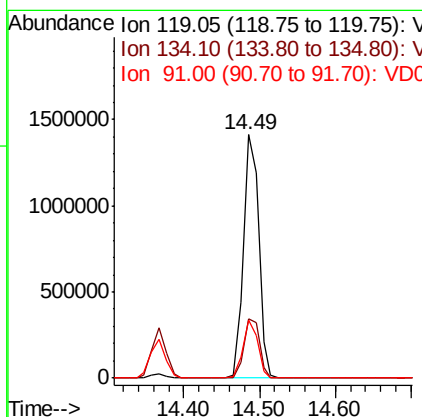
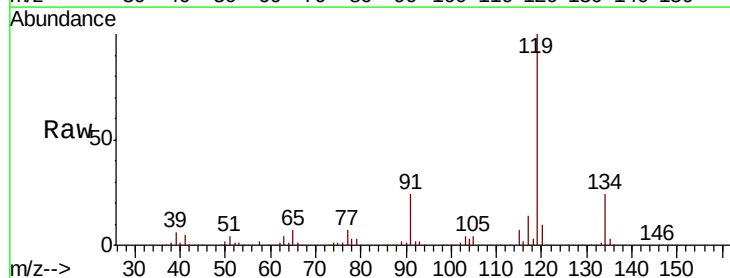
Instrument :
 MSVOA_D
 ClientSampled :

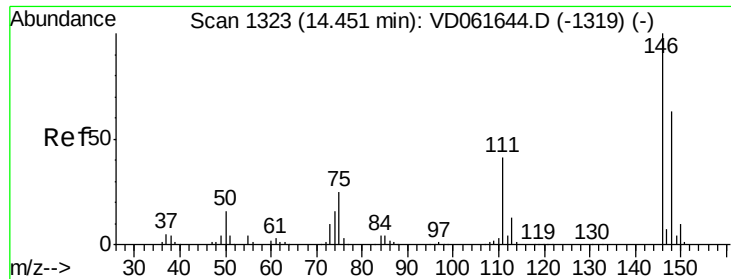
Tot Ion:105 Resp: 2024313
 Ion Ratio Lower Upper
 105 100
 134 19.2 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 68.117 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:119 Resp: 1954034
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 23.6 11.0 33.0

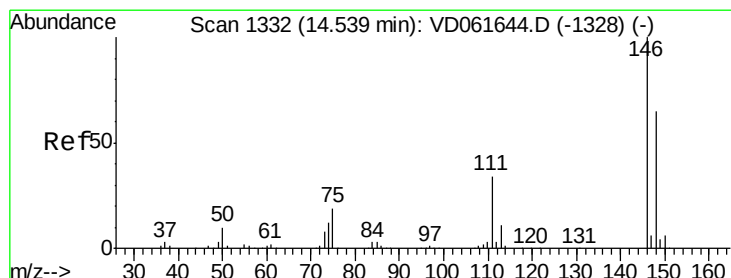
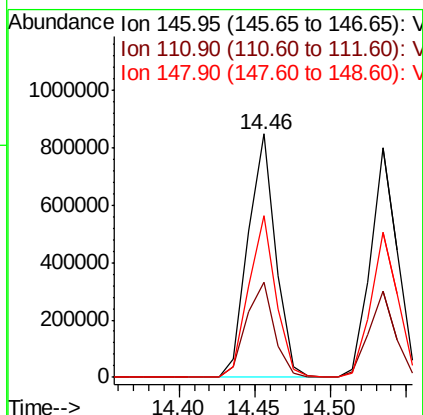
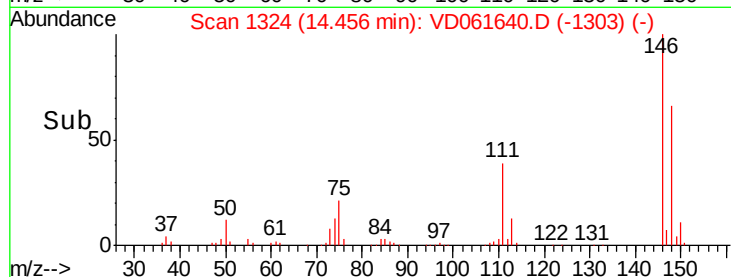
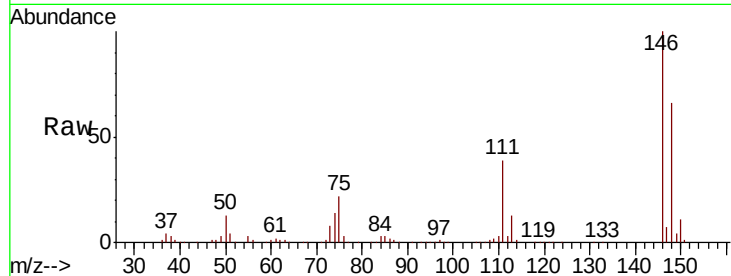




#87
 1,3-Dichlorobenzene
 Concen: 69.744 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

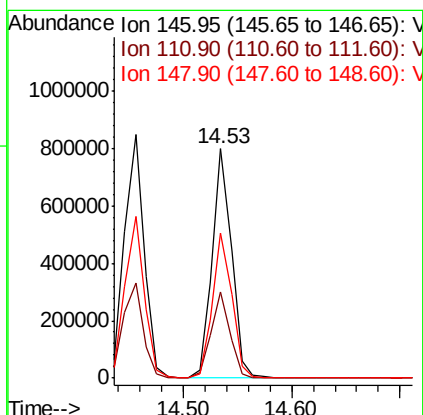
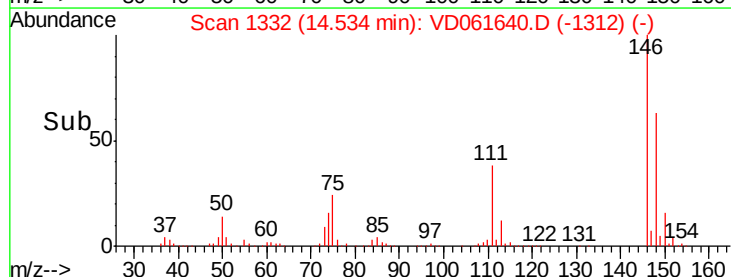
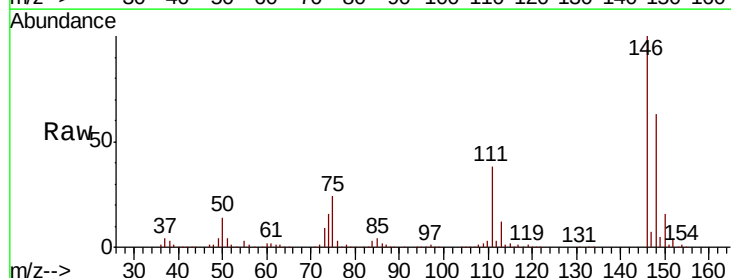
Instrument :
 MSVOA_D
 ClientSampleId :

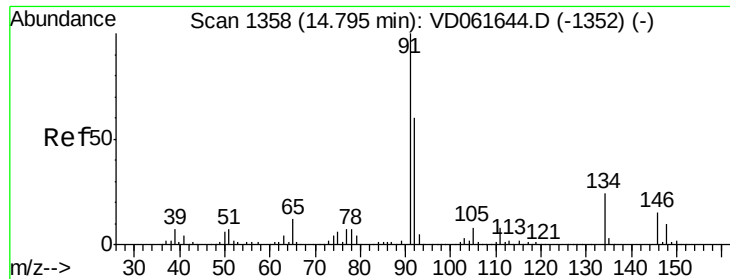
Tot Ion:146 Resp: 1078954
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 61.0
 148 66.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 64.932 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:146 Resp: 994981
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.1 51.2
 148 63.5 32.6 97.7

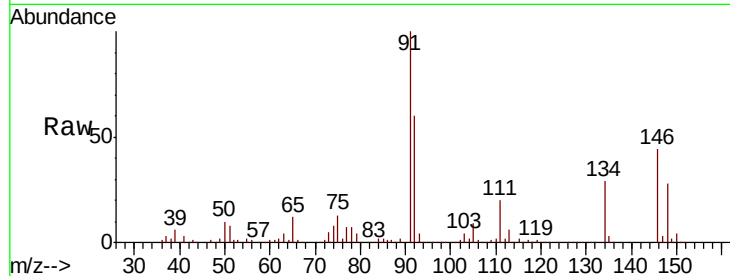




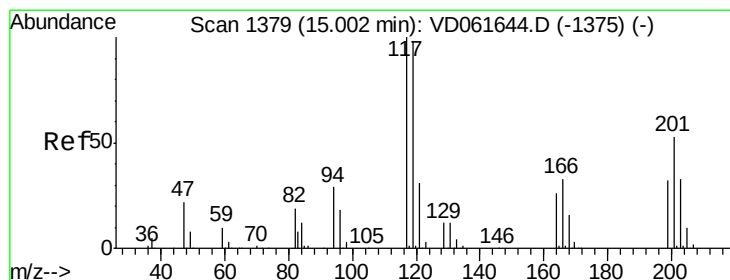
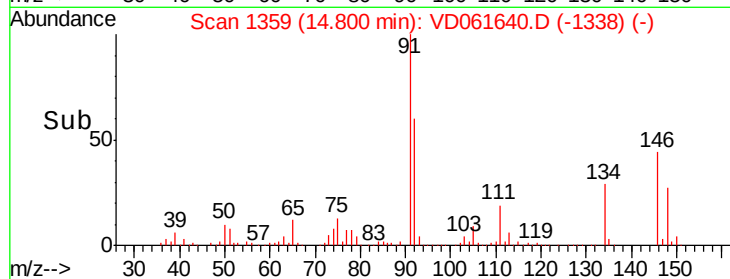
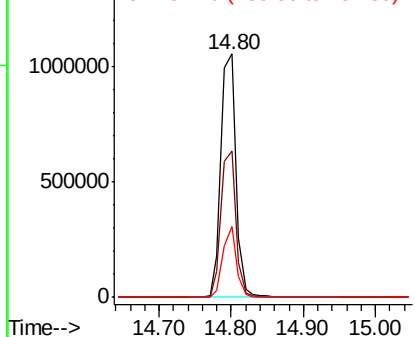
#89
n-Butylbenzene
Concen: 61.367 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1511313
Ion Ratio Lower Upper
91 100
92 60.1 29.8 89.4
134 29.3 12.2 36.4

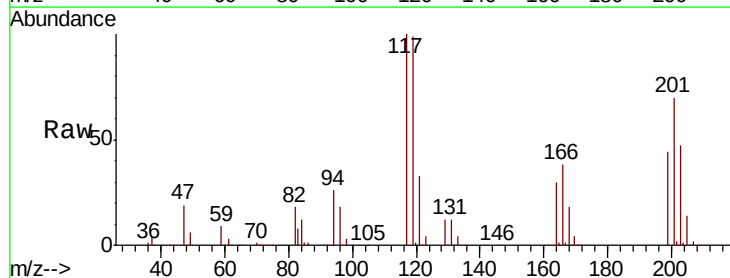


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

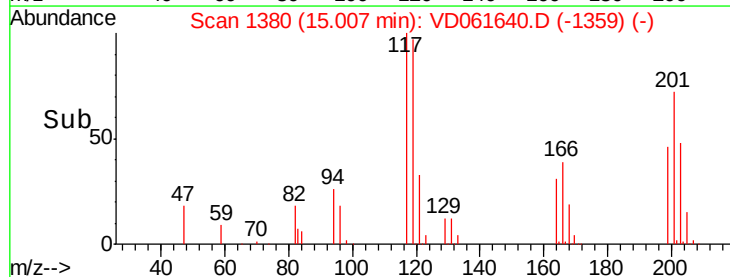
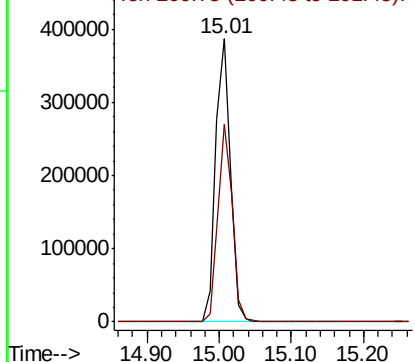


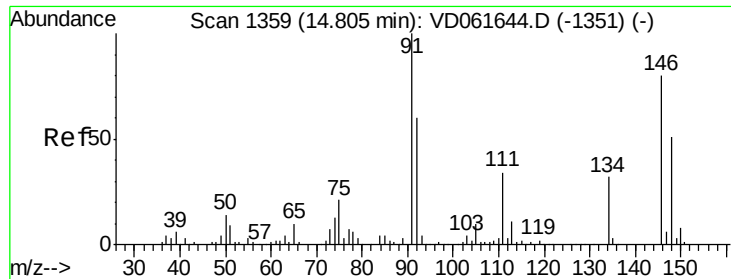
#90
Hexachloroethane
Concen: 72.472 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion: 117 Resp: 536636
Ion Ratio Lower Upper
117 100
201 70.0 26.3 78.8



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

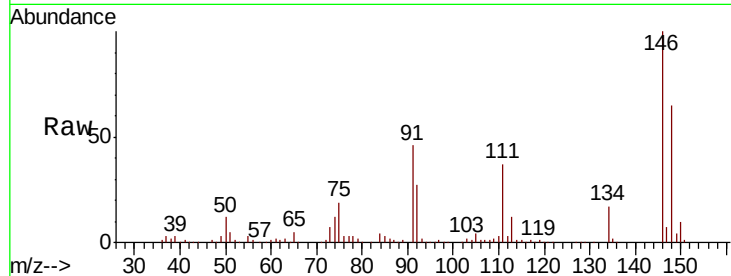




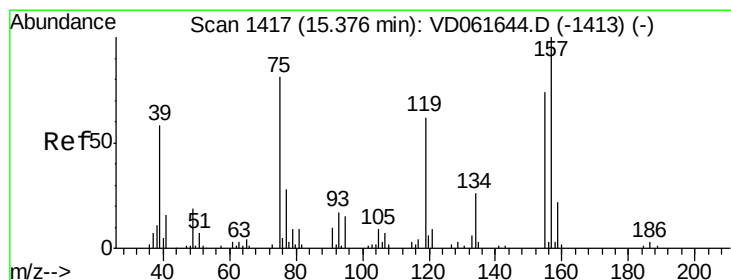
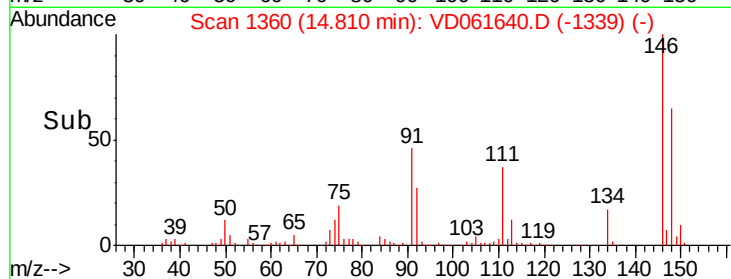
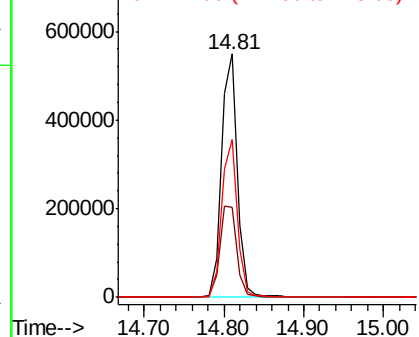
#91
 1,2-Dichlorobenzene
 Concen: 60.672 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 769695
 Ion Ratio Lower Upper
 146 100
 111 36.9 21.1 63.3
 148 64.8 31.7 95.1

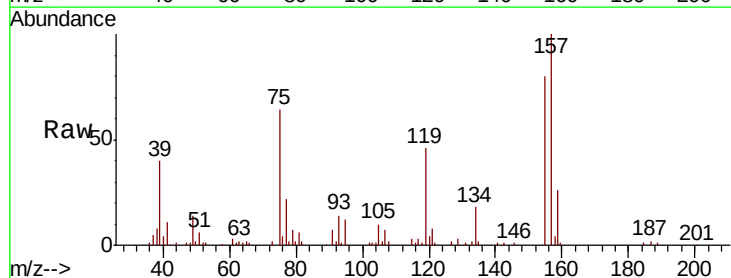


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

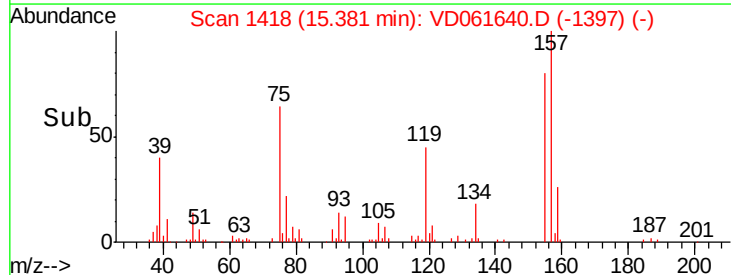
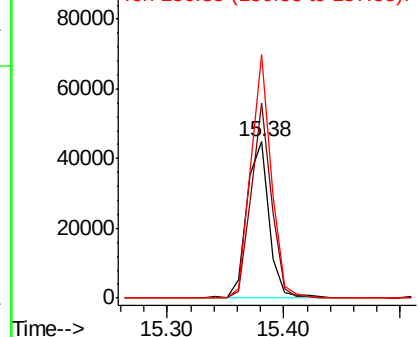


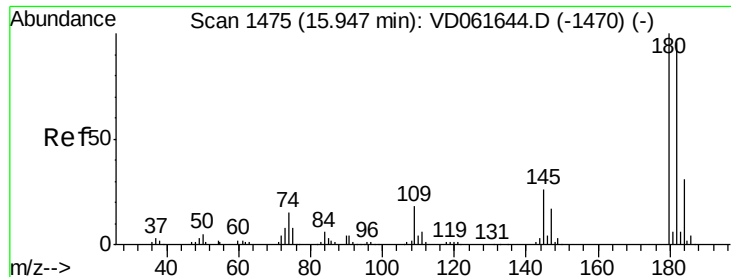
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.300 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion: 75 Resp: 59186
 Ion Ratio Lower Upper
 75 100
 155 125.1 45.6 136.7
 157 155.7 61.4 184.2



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

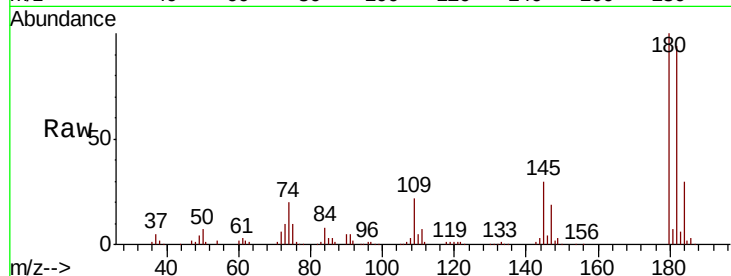




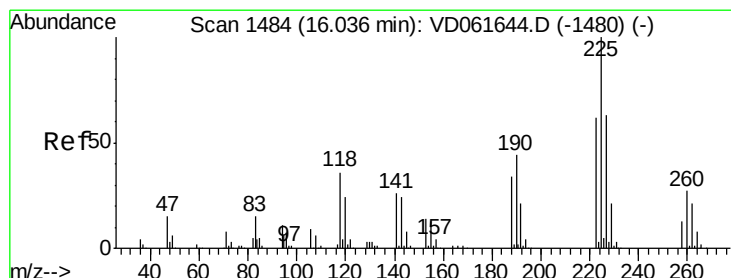
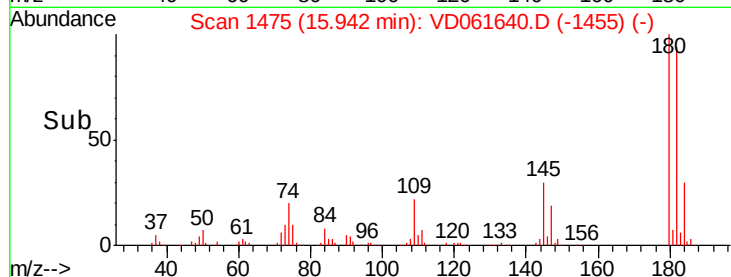
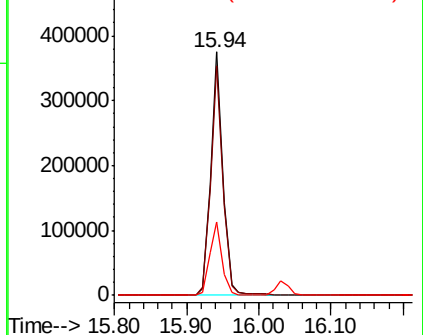
#93
 1,2,4-Trichlorobenzene
 Concen: 67.787 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 435050
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 30.2 13.3 39.8

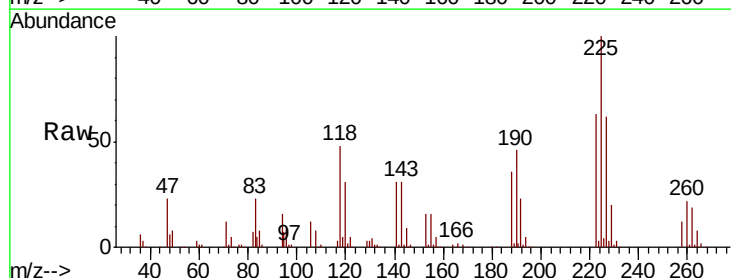


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

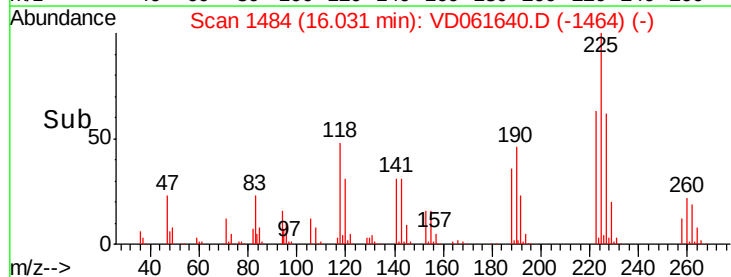
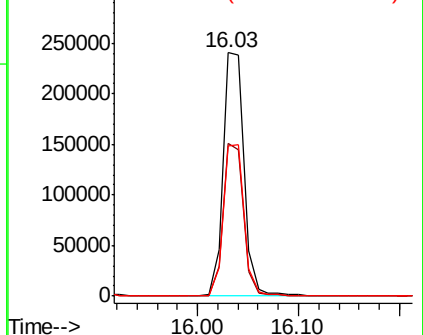


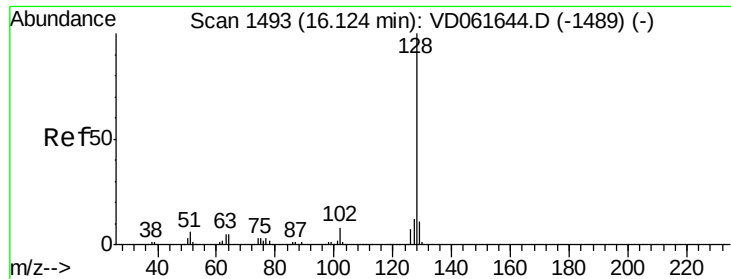
#94
 Hexachlorobutadiene
 Concen: 70.281 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061640.D
 Acq: 6 Apr 2019 13:30

Tgt Ion:225 Resp: 347076
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.8 92.3
 227 61.5 31.5 94.5



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

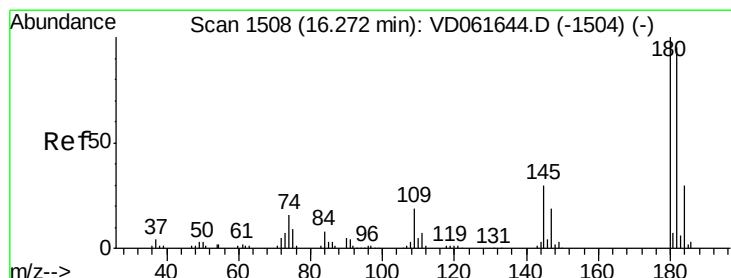
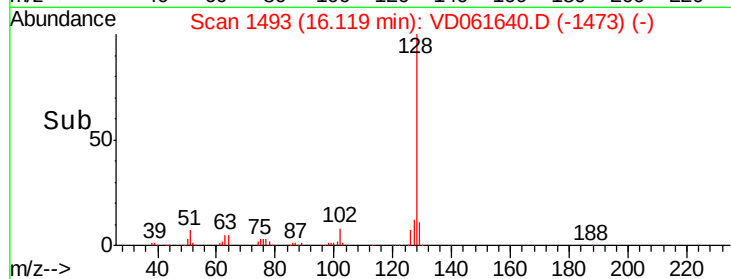
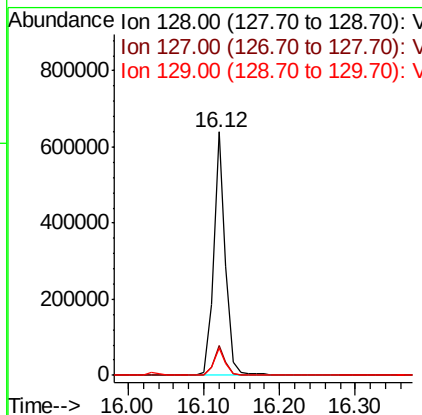
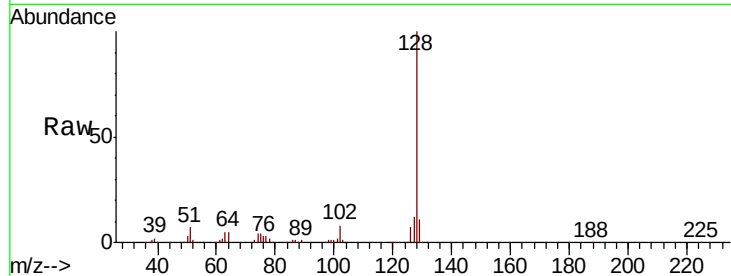




#95
Naphthalene
Concen: 68.986 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 698269
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 60.488 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061640.D
Acq: 6 Apr 2019 13:30

Tgt Ion:180 Resp: 192216
Ion Ratio Lower Upper
180 100
182 95.7 47.3 142.0
145 31.7 15.1 45.3

