

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061644.D
 Acq On : 6 Apr 2019 15:39
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:08:24 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	733293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1180789	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1007446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	417646	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	274394	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	6.92	113	415057	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.40	98	954287	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	13.55	95	386281	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	395927	51.457	ug/l	100
3) Chloromethane	1.75	50	310873	50.070	ug/l	100
4) Vinyl Chloride	1.85	62	290150	48.650	ug/l	100
5) Bromomethane	2.16	94	67657	50.625	ug/l	100
6) Chloroethane	2.27	64	107108	57.157	ug/l	100
7) Trichlorofluoromethane	2.53	101	432986	49.328	ug/l	100
8) Diethyl Ether	2.86	74	127723	50.240	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	440581	50.418	ug/l	100
10) Methyl Iodide	3.31	142	669750	59.548	ug/l	100
11) Tert butyl alcohol	4.05	59	95966	257.150	ug/l	100
12) 1,1-Dichloroethene	3.13	96	388240	51.228	ug/l	100
13) Acrolein	3.03	56	93429	208.421	ug/l	100
14) Allyl chloride	3.62	41	545402	51.808	ug/l	100
15) Acrylonitrile	4.19	53	335637	272.944	ug/l	100
16) Acetone	3.22	43	449120	278.596	ug/l	100
17) Carbon Disulfide	3.38	76	1302784	52.871	ug/l	100
18) Methyl Acetate	3.63	43	153847	49.100	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	687794	52.962	ug/l	100
20) Methylene Chloride	3.81	84	425096	46.157	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	441338	54.001	ug/l	100
22) Diisopropyl ether	5.12	45	1063940	49.277	ug/l	100
23) Vinyl Acetate	5.05	43	3185952	266.951	ug/l	100
24) 1,1-Dichloroethane	4.98	63	673923	50.648	ug/l	100
25) 2-Butanone	6.06	43	496360	263.462	ug/l	100
26) 2,2-Dichloropropane	6.02	77	555291	51.366	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	456698	52.435	ug/l	100
28) Bromochloromethane	6.44	49	260833	54.891	ug/l	100
29) Tetrahydrofuran	6.45	42	230437	255.399	ug/l	100
30) Chloroform	6.66	83	700300	50.572	ug/l	100
31) Cyclohexane	6.95	56	544617	53.380	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	616320	50.672	ug/l	100
36) 1,1-Dichloropropene	7.15	75	550690	52.163	ug/l	100
37) Ethyl Acetate	6.17	43	232835	53.127	ug/l	100
38) Carbon Tetrachloride	7.11	117	674360	55.298	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	586771	53.315	ug/l	100
40) Benzene	7.45	78	1361629	53.306	ug/l	100
41) Methacrylonitrile	6.44	41	259514	52.539	ug/l	100
42) 1,2-Dichloroethane	7.57	62	428576	53.085	ug/l	100
43) Isopropyl Acetate	9.23	43	329854	52.374	ug/l	100
44) Trichloroethene	8.53	130	514262	52.849	ug/l	100
45) 1,2-Dichloropropane	8.94	63	330610	52.838	ug/l	100
46) Dibromomethane	9.06	93	231620	52.224	ug/l	100
47) Bromodichloromethane	9.37	83	501175	50.552	ug/l	100
48) Methyl methacrylate	9.11	41	185950	53.397	ug/l	100
49) 1,4-Dioxane	9.08	88	42013	1089.961	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	945947	255.077	ug/l	100
52) Toluene	10.50	92	828896	52.385	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	473398	54.069	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	585327	54.269	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	270546	51.858	ug/l	100
56) Ethyl methacrylate	11.03	69	297848	52.544	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414567	52.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	654486	254.850	ug/l	100
59) 2-Hexanone	11.53	43	738928	264.024	ug/l	100
60) Dibromochloromethane	11.68	129	444421	53.518	ug/l	100
61) 1,2-Dibromoethane	11.80	107	333426	54.159	ug/l	100
64) Tetrachloroethene	11.25	164	371066	48.268	ug/l	100
65) Chlorobenzene	12.39	112	1023606	51.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	379503	48.049	ug/l	100
67) Ethyl Benzene	12.52	91	1423170	44.982	ug/l	100
68) m/p-Xylenes	12.67	106	1197898	102.505	ug/l	100
69) o-Xylene	13.04	106	565302	50.018	ug/l	100
70) Styrene	13.07	104	914611	47.257	ug/l	100
71) Bromoform	13.23	173	233239	49.484	ug/l	100
73) Isopropylbenzene	13.40	105	1421989	50.588	ug/l	100
74) N-amyl acetate	13.26	43	430427	56.657	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	311324	55.388	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	316892	56.544	ug/l	100
77) Bromobenzene	13.66	156	445240	54.065	ug/l	100
78) n-propylbenzene	13.77	91	1669732	50.499	ug/l	100
79) 2-Chlorotoluene	13.84	91	1069856	56.584	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1167567	52.925	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94356	54.397	ug/l	100
82) 4-Chlorotoluene	13.95	91	1095513	53.028	ug/l	100
83) tert-Butylbenzene	14.18	119	1502486	56.927	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1183504	52.206	ug/l	100
85) sec-Butylbenzene	14.36	105	1568443	55.638	ug/l	100
86) p-Isopropyltoluene	14.49	119	1362517	52.391	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	736221	52.493	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	741406	53.370	ug/l	100
89) n-Butylbenzene	14.80	91	1153803	51.678	ug/l	100
90) Hexachloroethane	15.00	117	367467	54.740	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	611294	53.151	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40026	56.917	ug/l	100

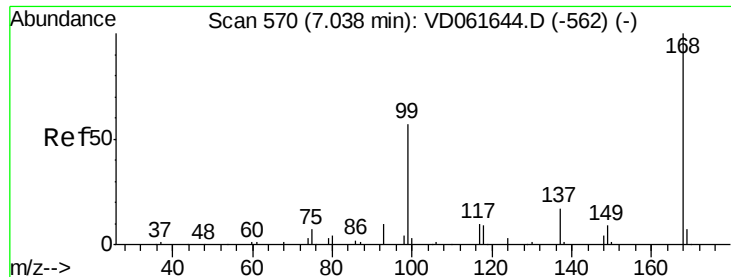
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	332364	57.123	ug/l	100
94) Hexachlorobutadiene	16.04	225	272907	60.956	ug/l	100
95) Naphthalene	16.12	128	534067	58.201	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	181057	62.847	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

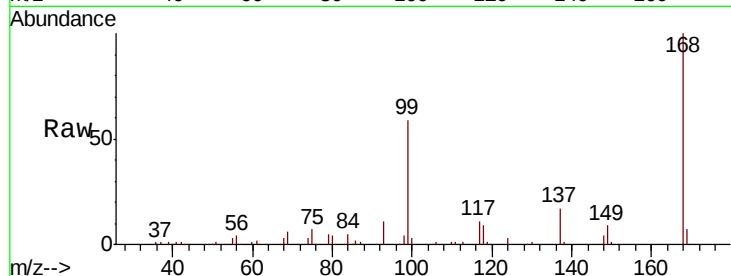
ClientSampled :

Tot Ion:168 Resp: 733293

Ion Ratio Lower Upper

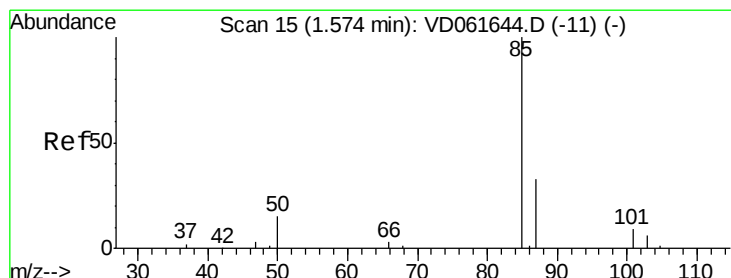
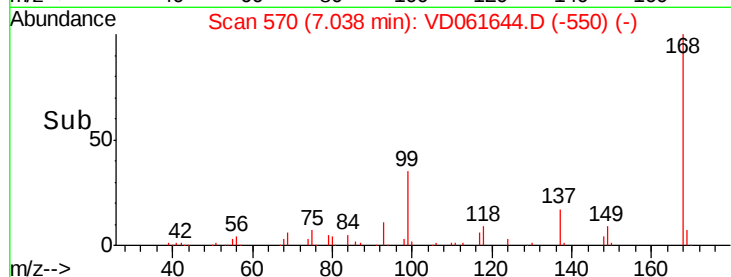
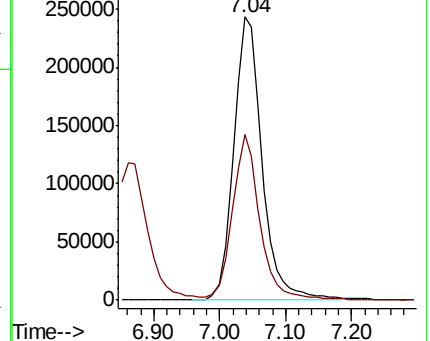
168 100

99 58.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.457 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061644.D

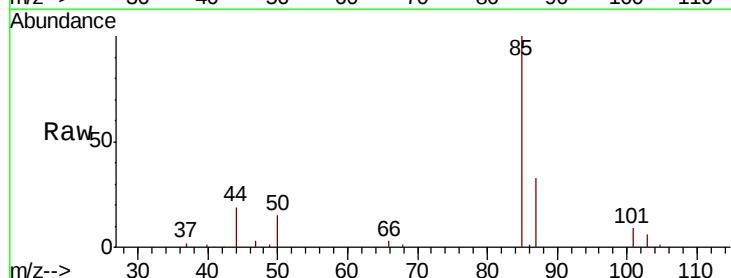
Acq: 6 Apr 2019 15:39

Tgt Ion: 85 Resp: 395927

Ion Ratio Lower Upper

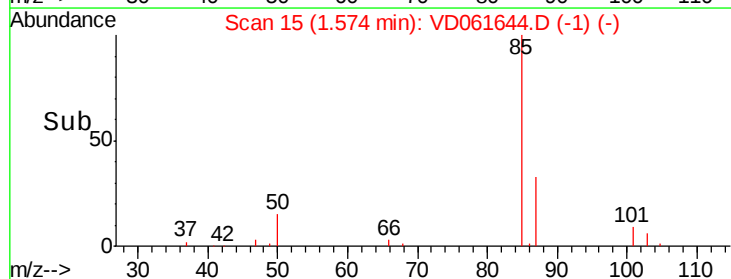
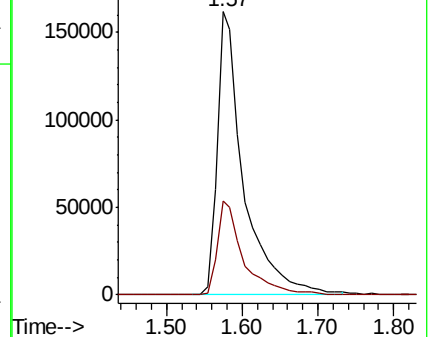
85 100

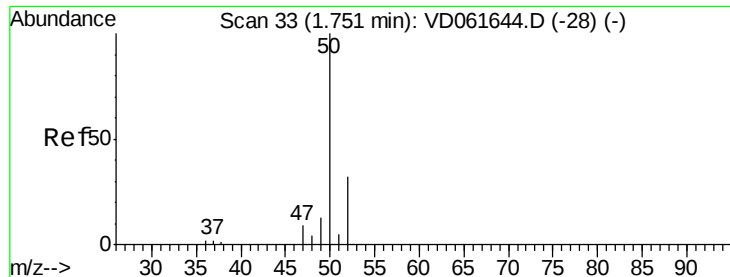
87 33.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.070 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

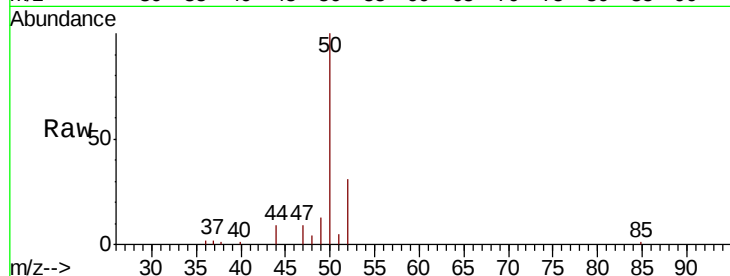
ClientSampled :

Tot Ion: 50 Resp: 310873

Ion Ratio Lower Upper

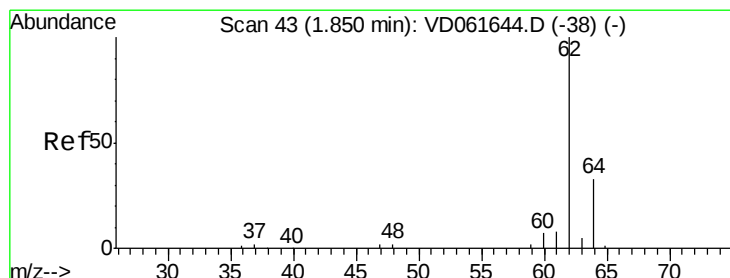
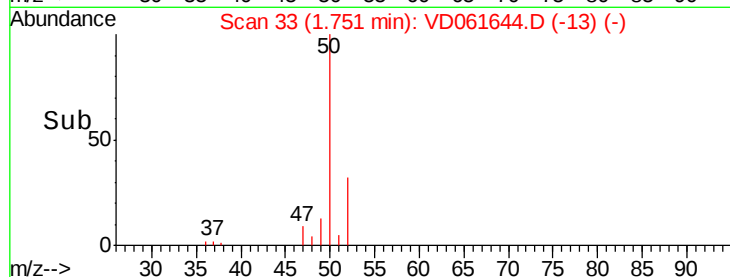
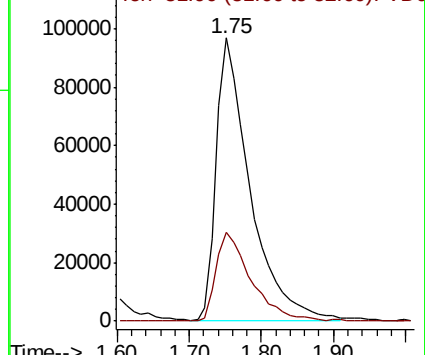
50 100

52 31.4 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: 48.650 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061644.D

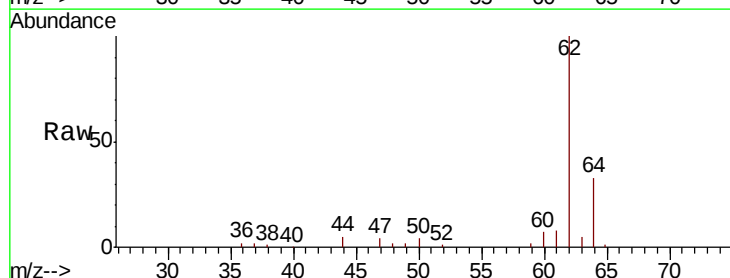
Acq: 6 Apr 2019 15:39

Tgt Ion: 62 Resp: 290150

Ion Ratio Lower Upper

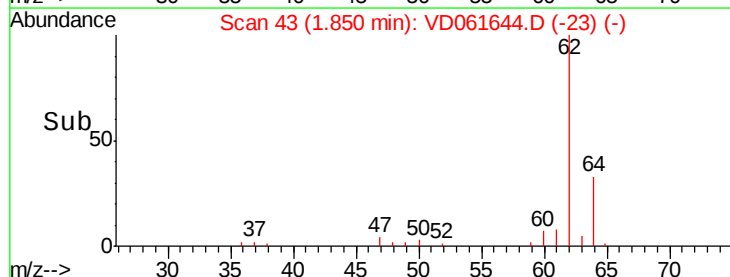
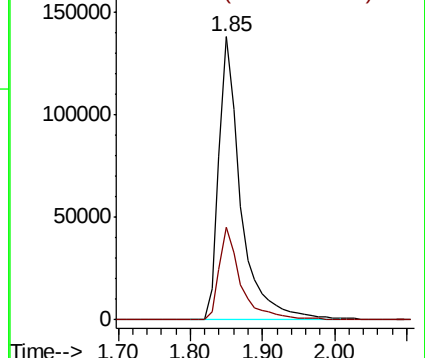
62 100

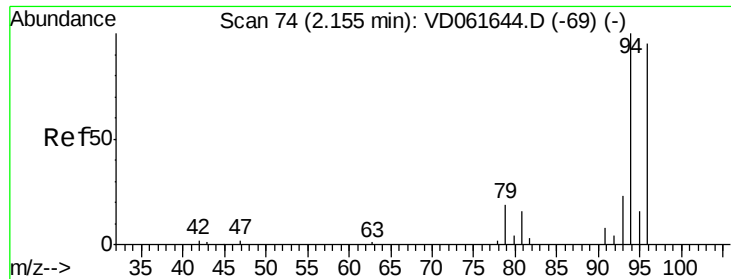
64 32.7 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.625 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

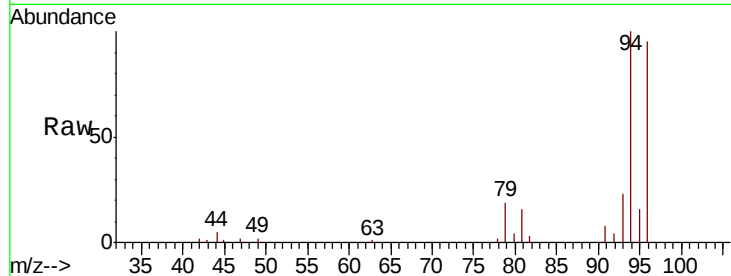
Tot Ion: 94 Resp: 67657

Ion Ratio Lower Upper

94 100

96 94.8 75.8 113.8

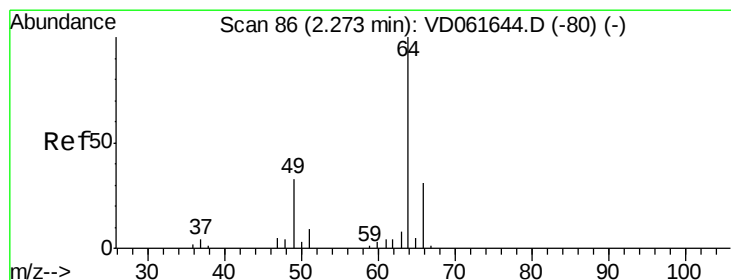
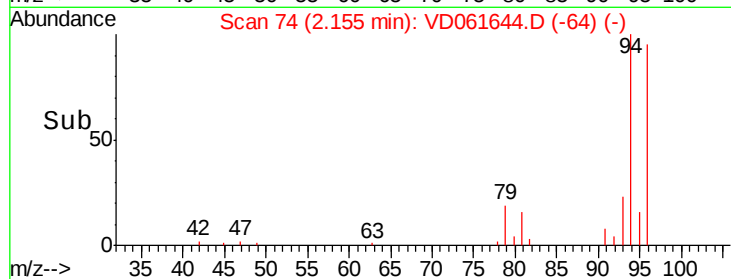
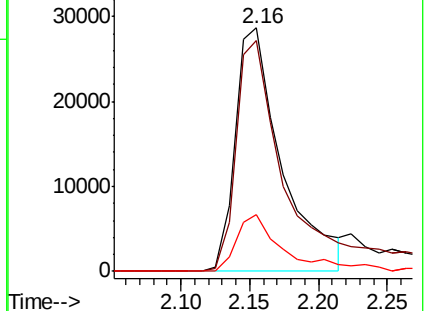
93 23.3 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 57.157 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061644.D

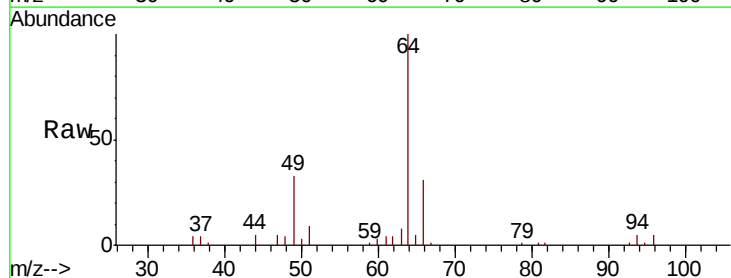
Acq: 6 Apr 2019 15:39

Tgt Ion: 64 Resp: 107108

Ion Ratio Lower Upper

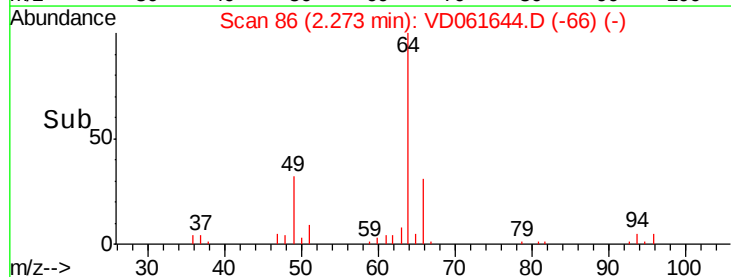
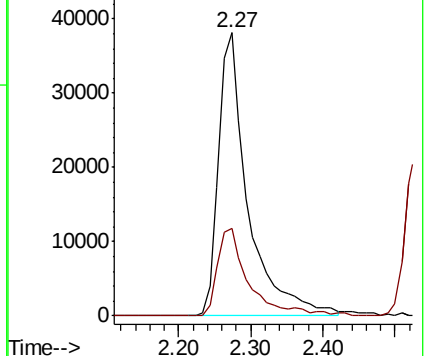
64 100

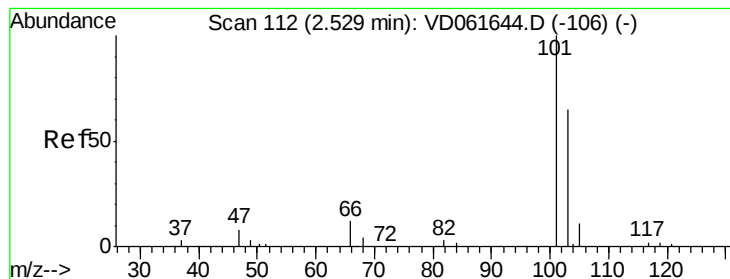
66 31.1 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



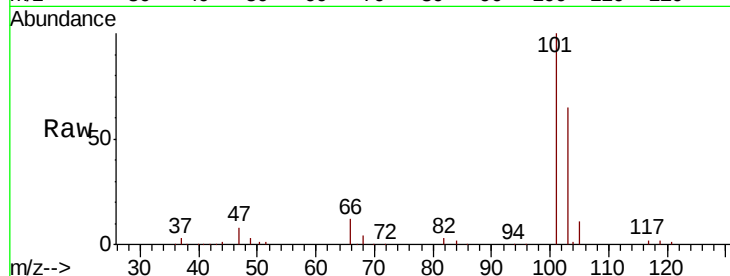


#7

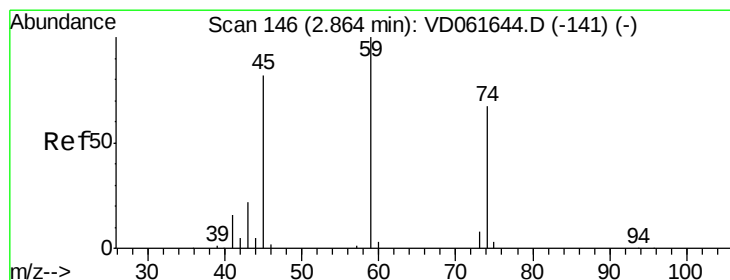
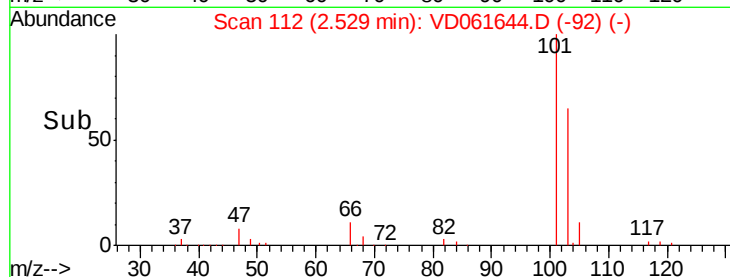
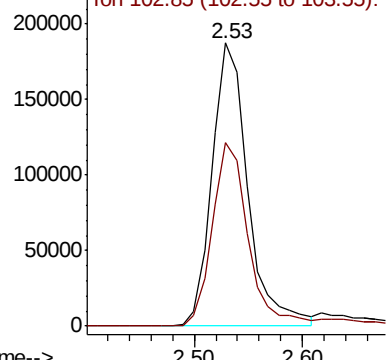
Trichlorofluoromethane
Concen: 49.328 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 432986
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0



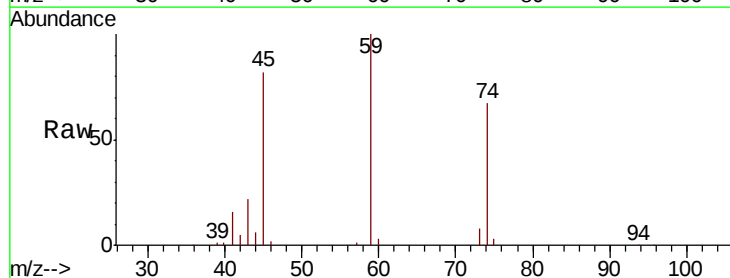
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



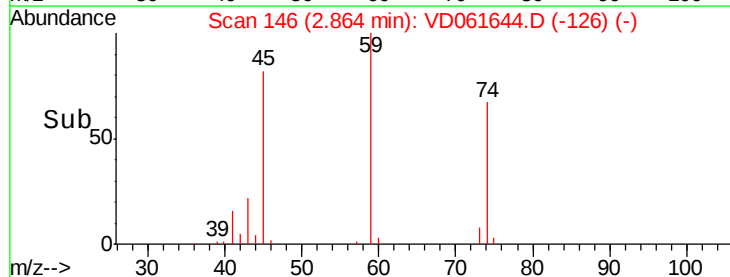
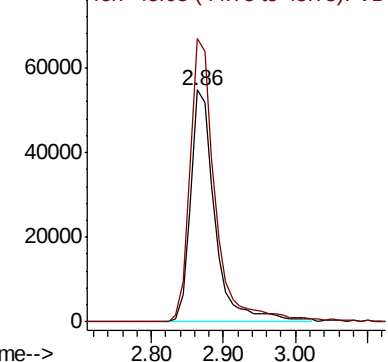
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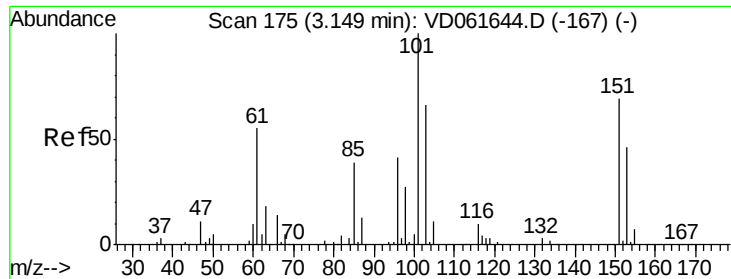
Diethyl Ether
Concen: 50.240 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 74 Resp: 127723
Ion Ratio Lower Upper
74 100
45 122.0 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.418 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampled :

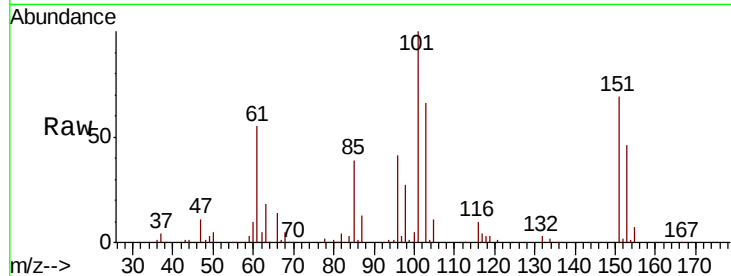
Tot Ion:101 Resp: 440581

Ion Ratio Lower Upper

101 100

85 38.8 31.0 46.6

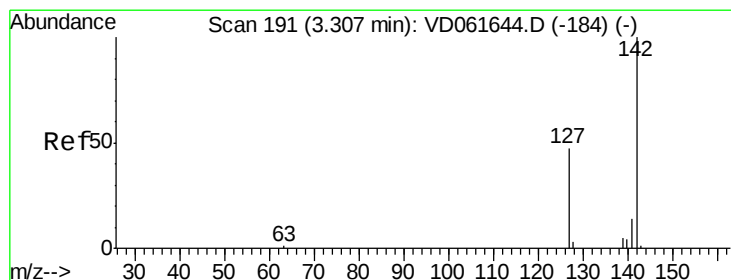
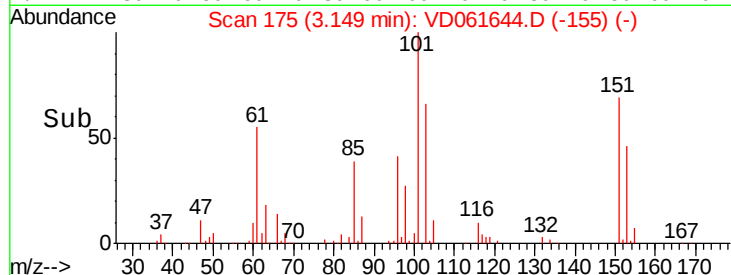
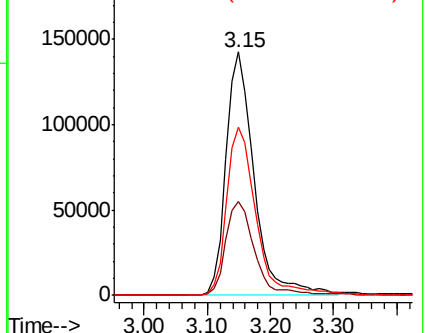
151 69.1 55.3 82.9



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: 59.548 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

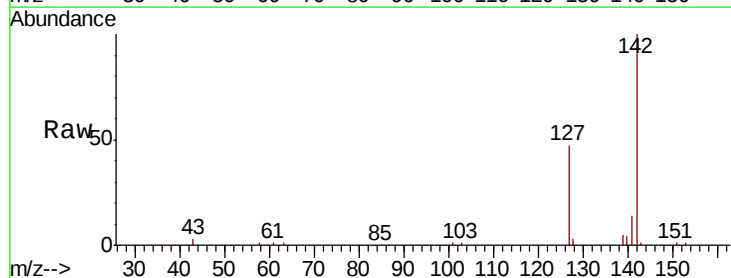
Tgt Ion:142 Resp: 669750

Ion Ratio Lower Upper

142 100

127 46.5 37.2 55.8

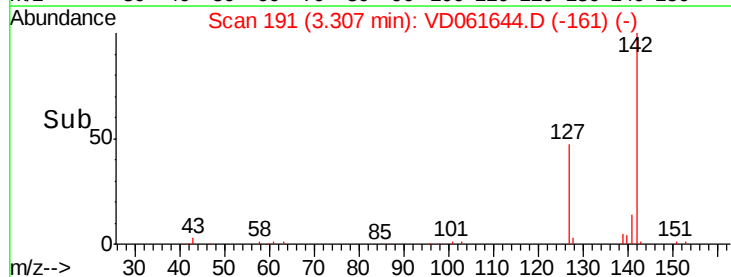
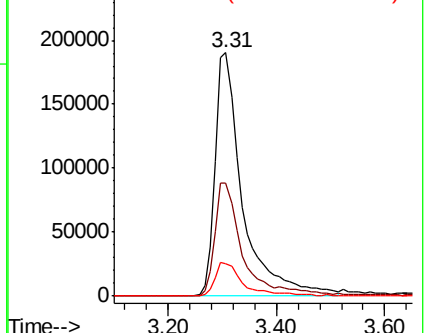
141 13.5 10.8 16.2

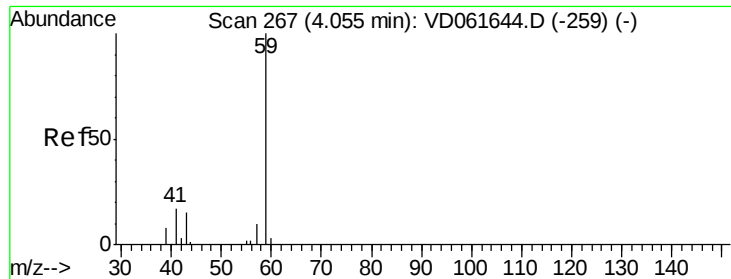


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



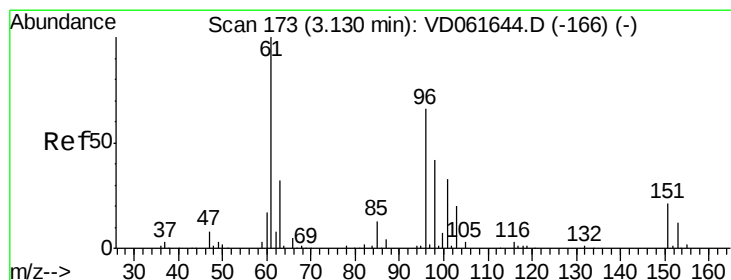
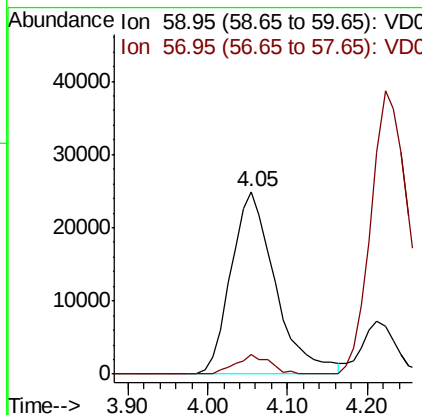
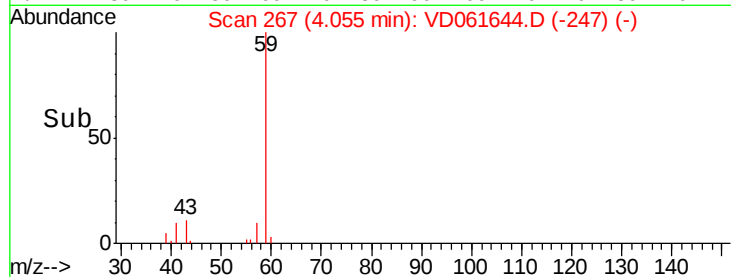
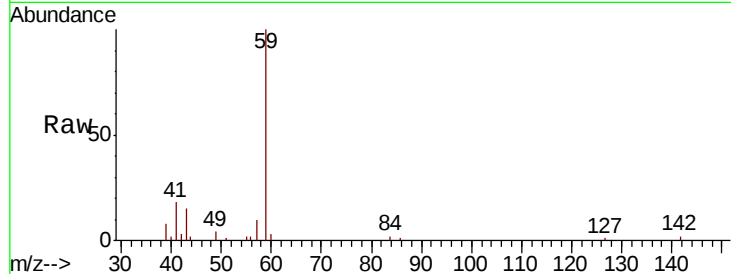


#11

Tert butyl alcohol
Concen: 257.150 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

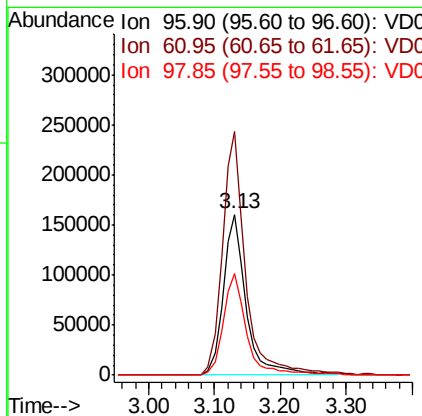
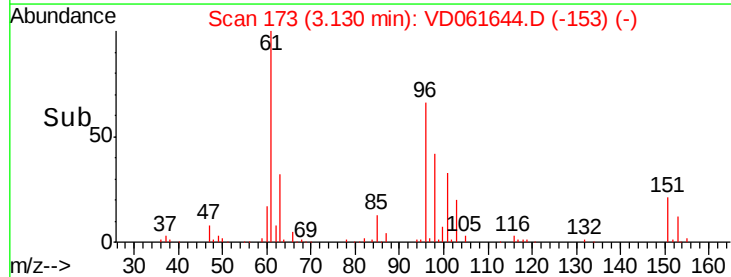
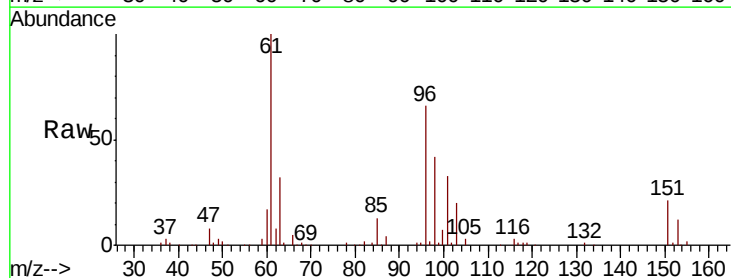
Tot Ion: 59 Resp: 95966
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

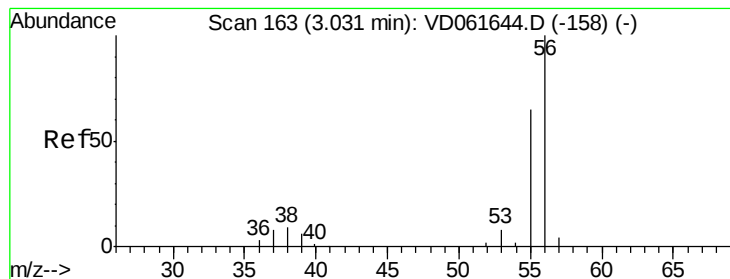


#12

1,1-Dichloroethene
Concen: 51.228 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 96 Resp: 388240
Ion Ratio Lower Upper
96 100
61 151.6 121.3 181.9
98 63.3 50.6 76.0





#13

Acrolein

Concen: 208.421 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

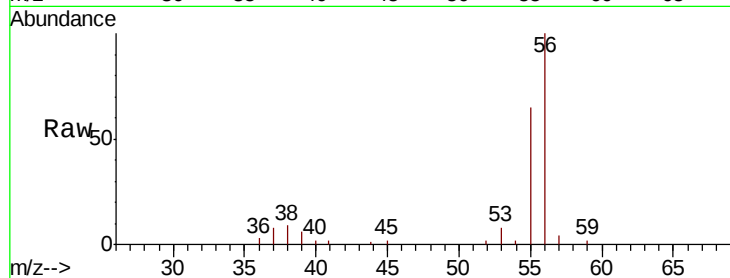
ClientSampleId :

Tot Ion: 56 Resp: 93429

Ion Ratio Lower Upper

56 100

55 64.7 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

40000

30000

20000

10000

0

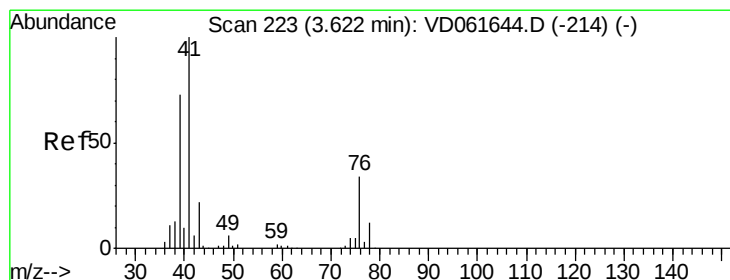
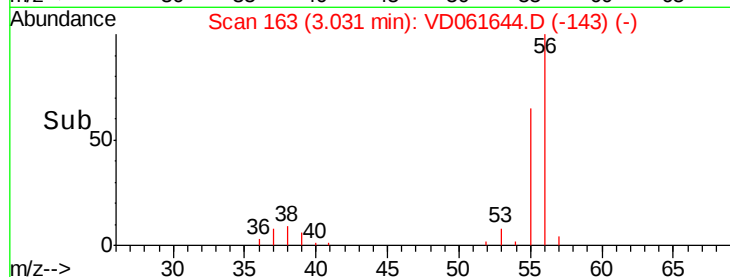
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 51.808 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

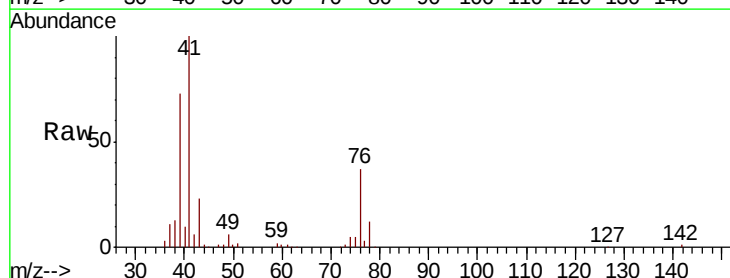
Tgt Ion: 41 Resp: 545402

Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

76 37.2 29.8 44.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

50000

0

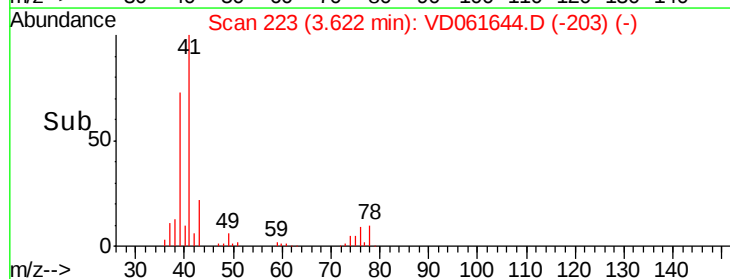
Time-->

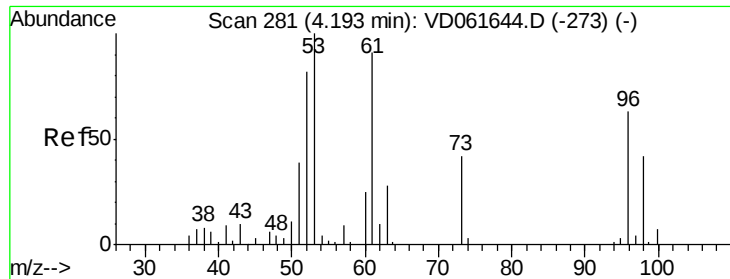
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 272.944 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :

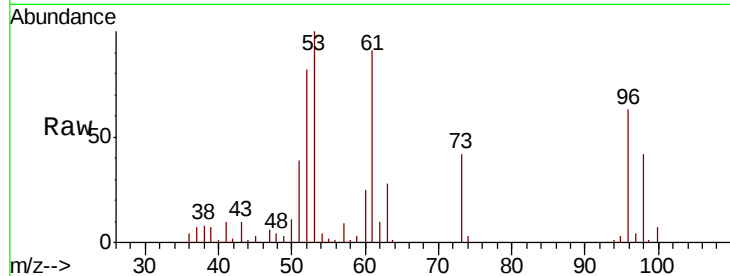
Tot Ion: 53 Resp: 335637

Ion Ratio Lower Upper

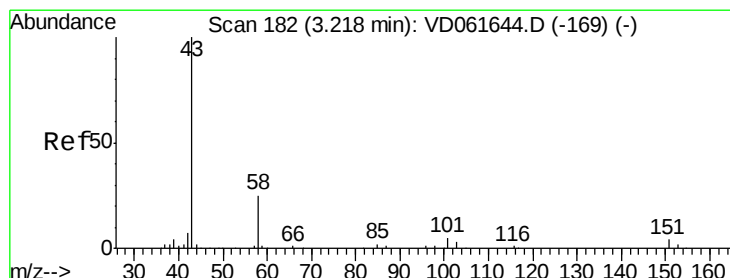
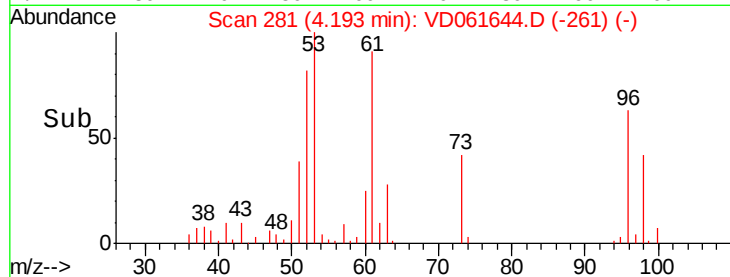
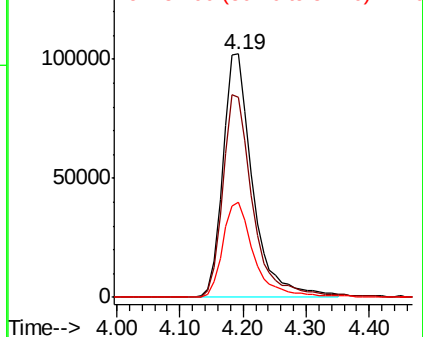
53 100

52 82.4 65.9 98.9

51 39.3 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: 278.596 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061644.D

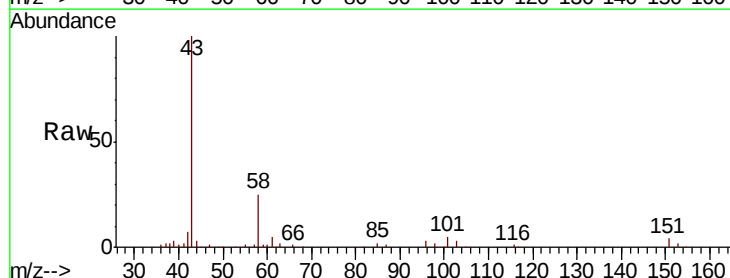
Acq: 6 Apr 2019 15:39

Tgt Ion: 43 Resp: 449120

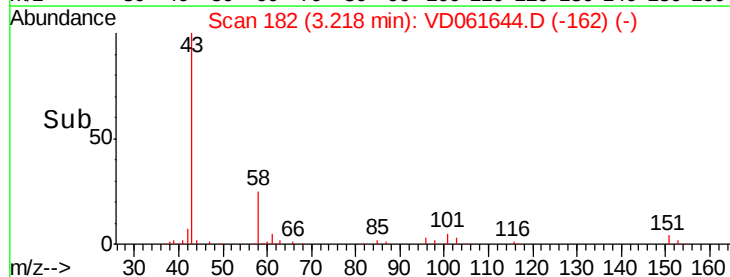
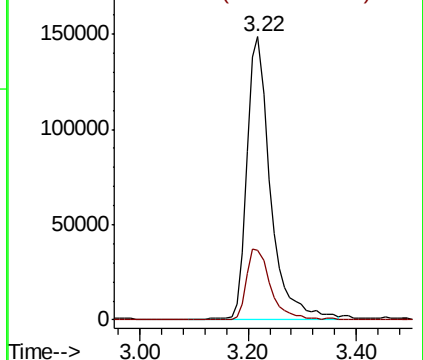
Ion Ratio Lower Upper

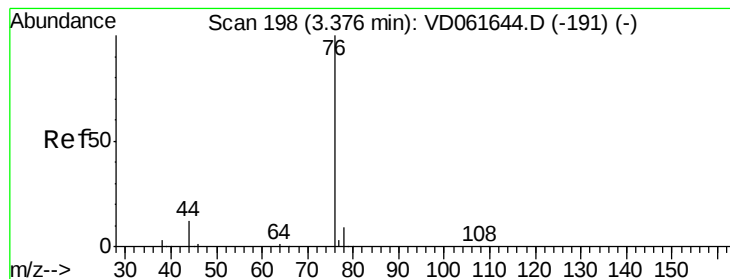
43 100

58 24.6 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: 52.871 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

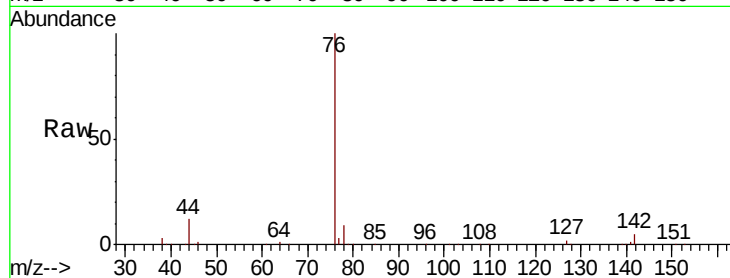
ClientSampled :

Tot Ion: 76 Resp: 1302784

Ion Ratio Lower Upper

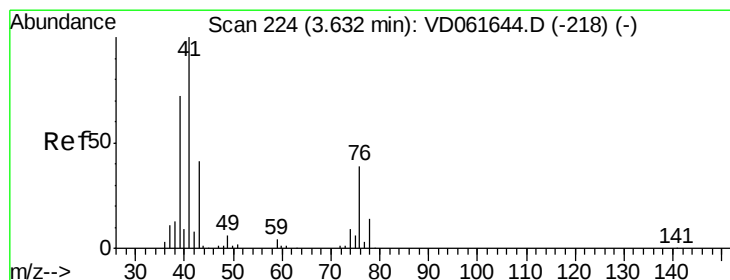
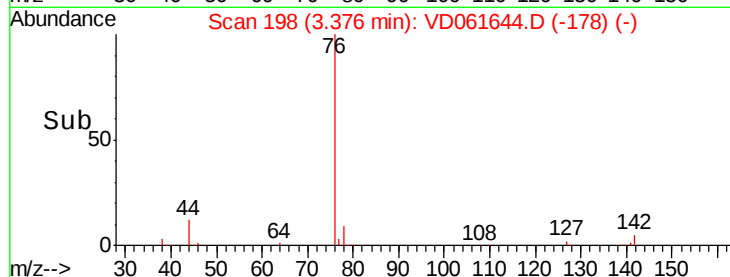
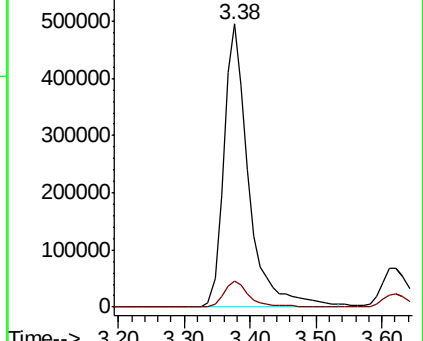
76 100

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



#18

Methyl Acetate

Concen: 49.100 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061644.D

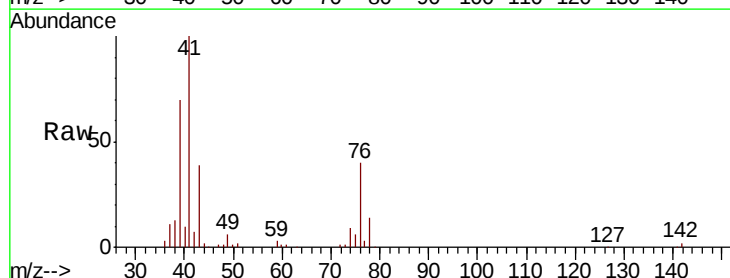
Acq: 6 Apr 2019 15:39

Tgt Ion: 43 Resp: 153847

Ion Ratio Lower Upper

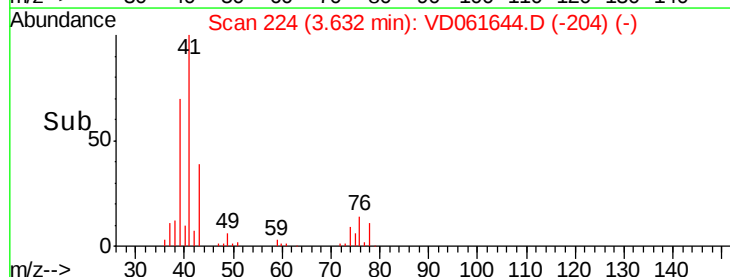
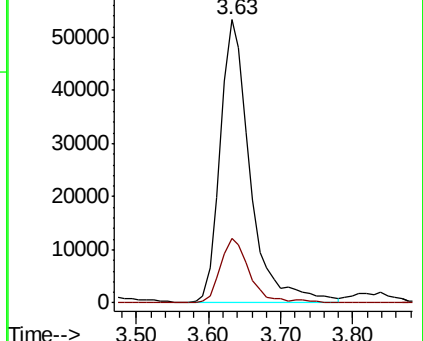
43 100

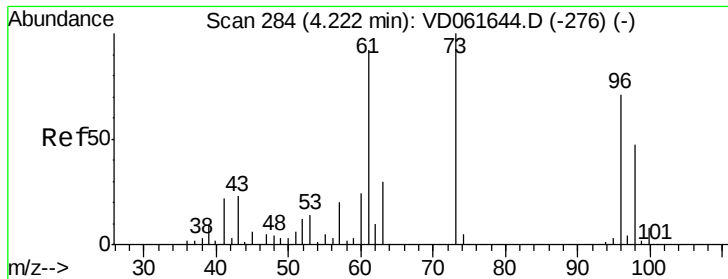
74 22.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

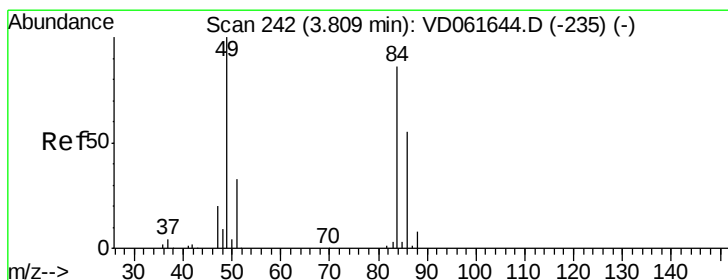
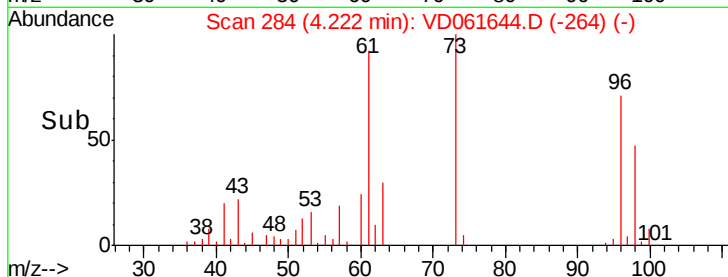
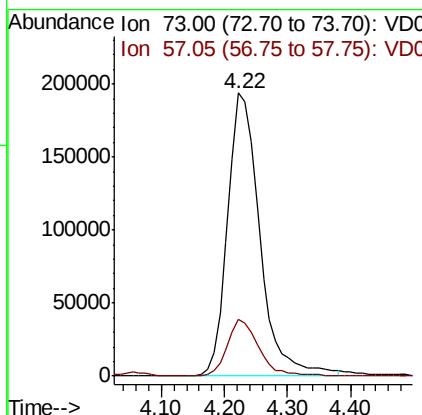
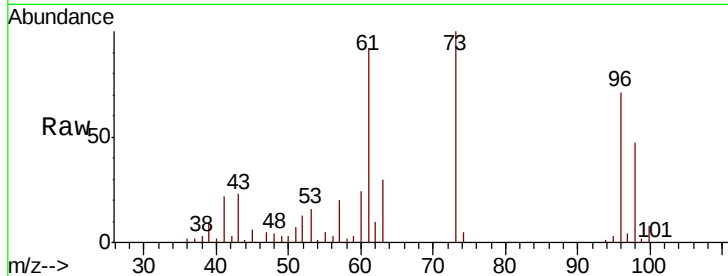




#19
Methvl tert-butvl Ether
Concen: 52.962 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

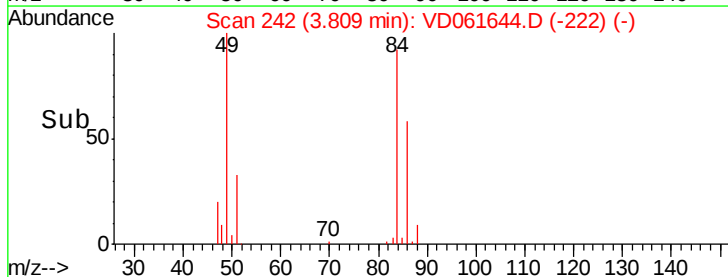
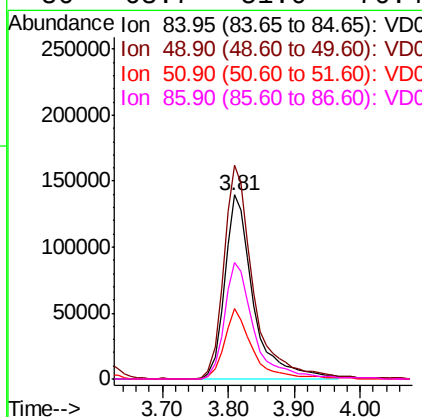
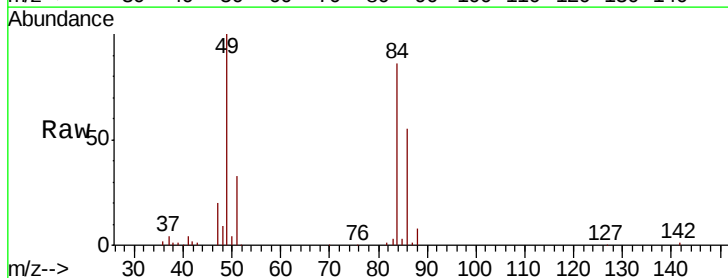
Instrument :
MSVOA_D
ClientSampled :

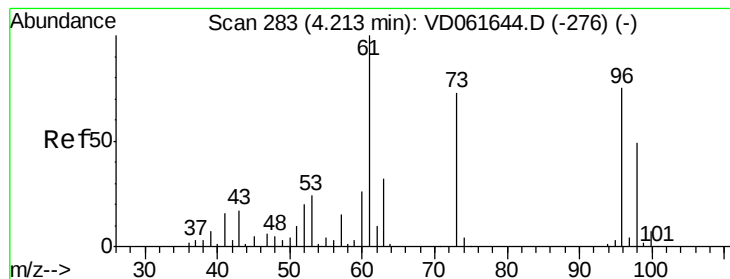
Tot Ion: 73 Resp: 687794
Ion Ratio Lower Upper
73 100
57 20.0 16.0 24.0



#20
Methylene Chloride
Concen: 46.157 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 84 Resp: 425096
Ion Ratio Lower Upper
84 100
49 116.2 93.0 139.4
51 38.0 30.4 45.6
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 54.001 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

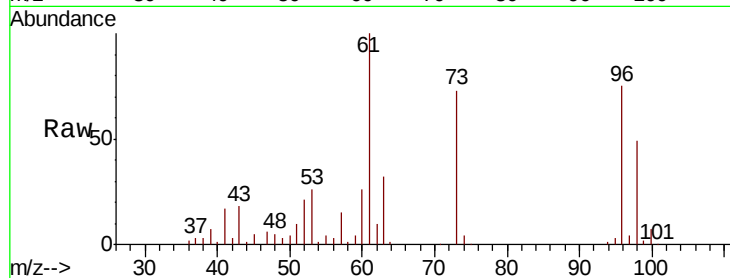
Tot Ion: 96 Resp: 441338

Ion Ratio Lower Upper

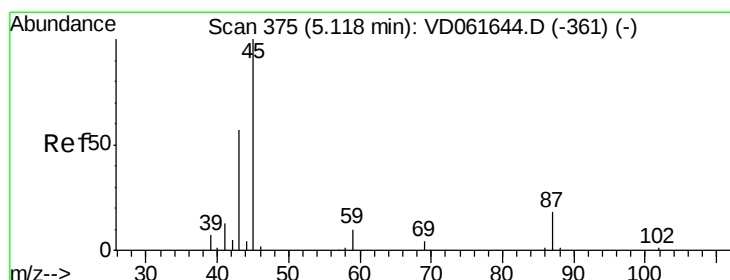
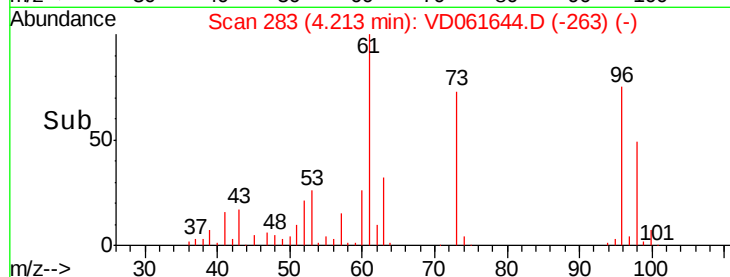
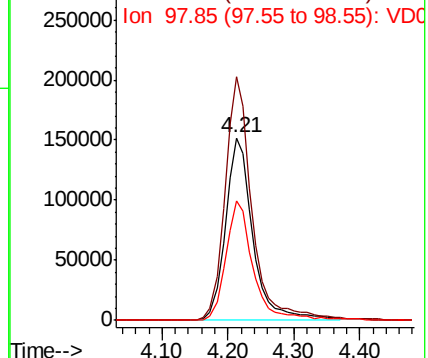
96 100

61 133.5 106.8 160.2

98 65.2 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: 49.277 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 45 Resp: 1063940

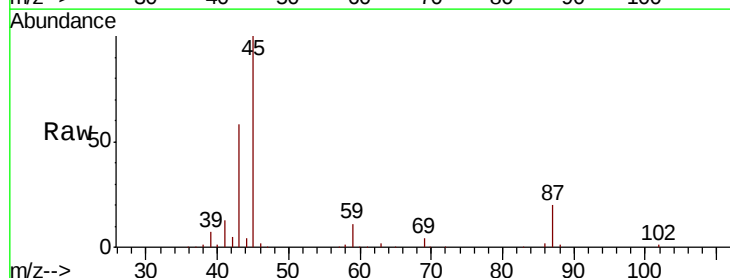
Ion Ratio Lower Upper

45 100

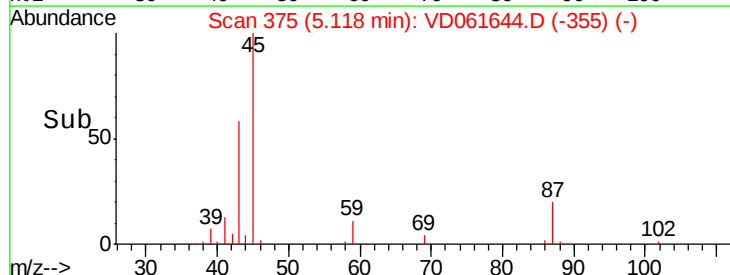
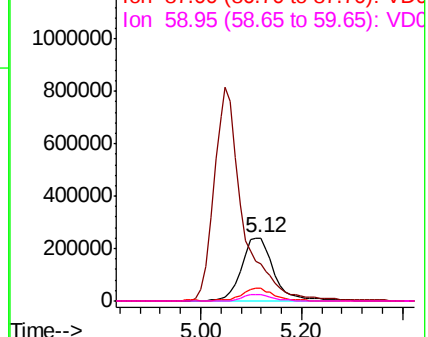
43 58.3 46.6 70.0

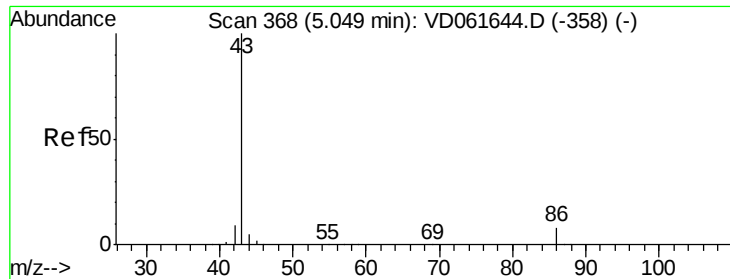
87 19.5 15.6 23.4

59 10.8 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: 266.951 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

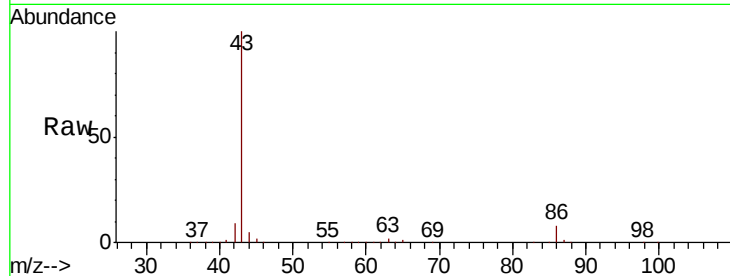
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3185952

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

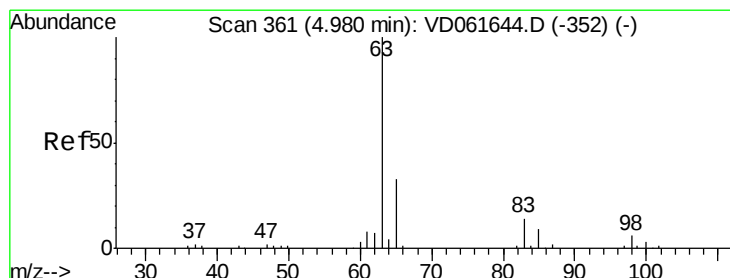
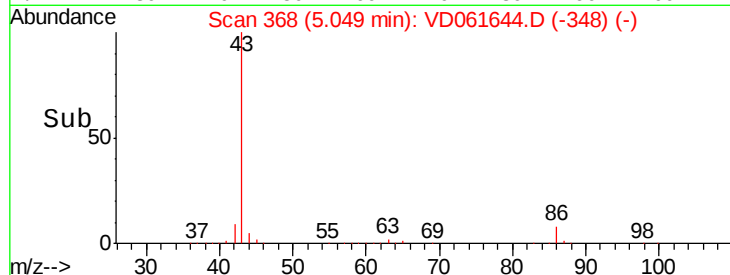
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.648 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

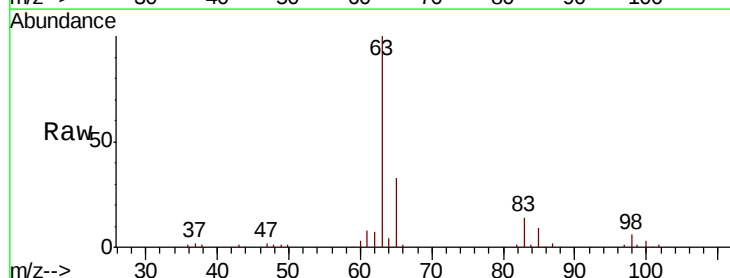
Tgt Ion: 63 Resp: 673923

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

250000

200000

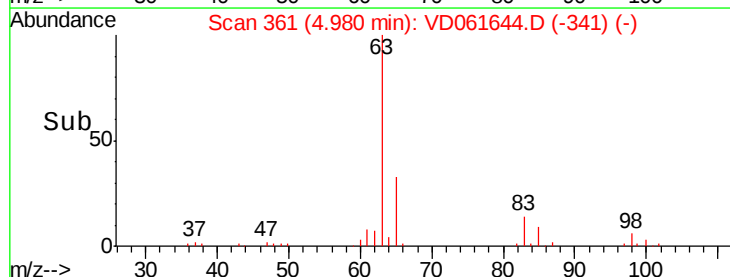
150000

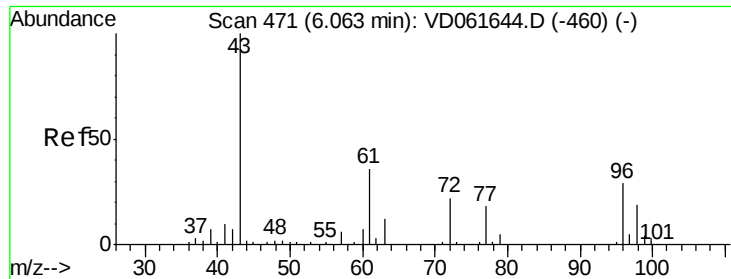
100000

50000

0

Time-->

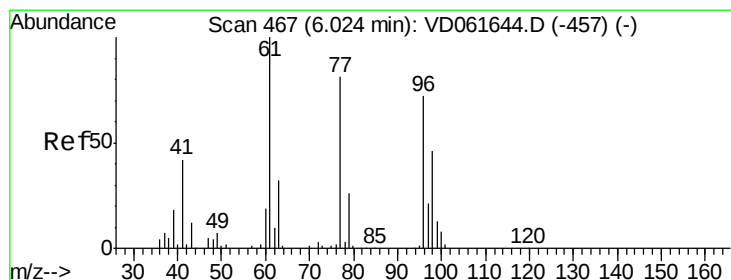
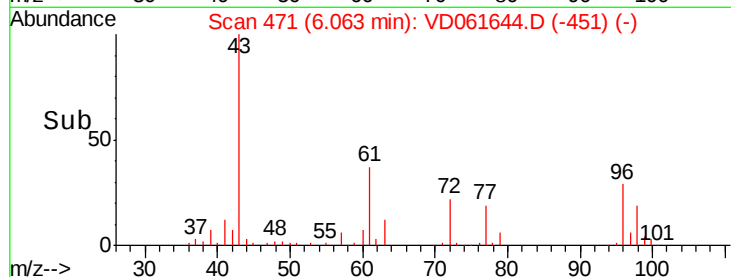
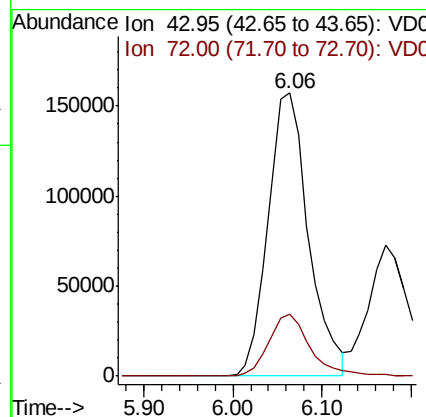
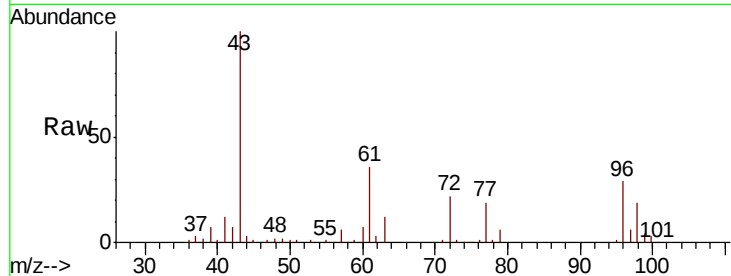




#25
2-Butanone
Concen: 263.462 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

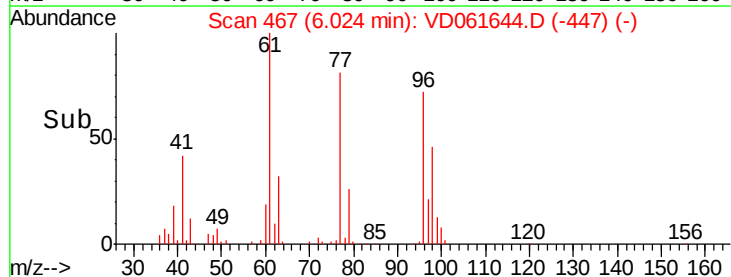
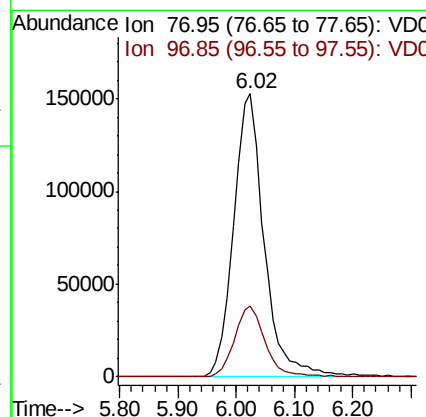
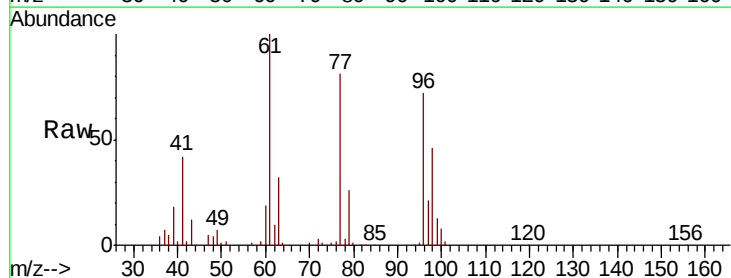
Instrument :
MSVOA_D
ClientSampleId :

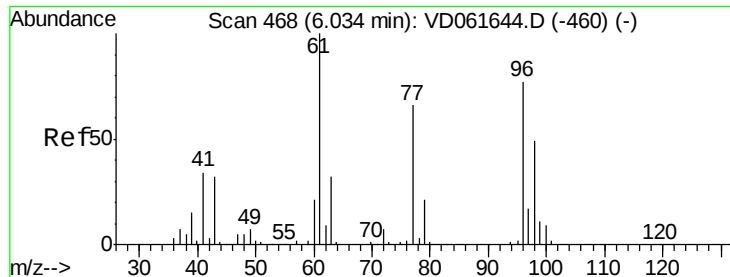
Tot Ion: 43 Resp: 496360
Ion Ratio Lower Upper
43 100
72 21.8 17.4 26.2



#26
2,2-Dichloropropane
Concen: 51.366 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 77 Resp: 555291
Ion Ratio Lower Upper
77 100
97 25.3 12.7 38.0



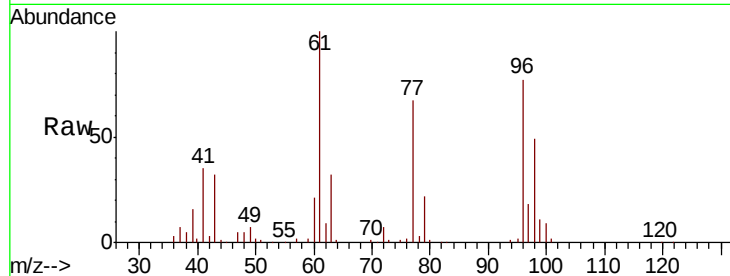


#27

cis-1,2-Dichloroethene
Concen: 52.435 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	456698
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	259.8
98	63.8	0.0	127.6

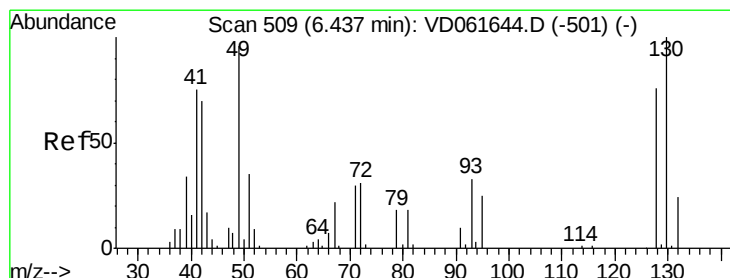
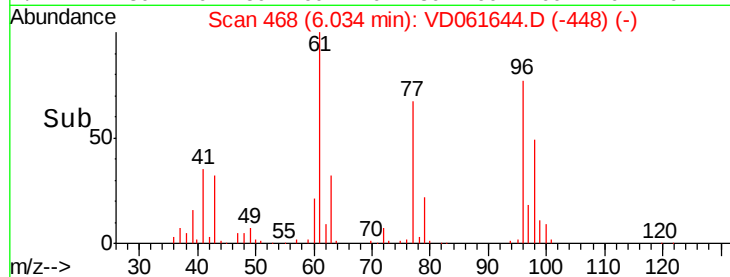
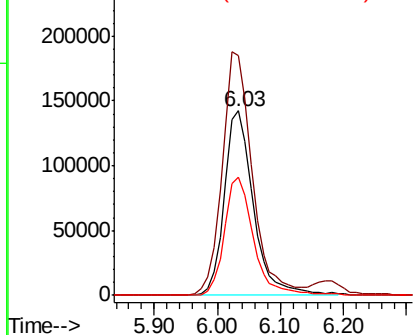


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

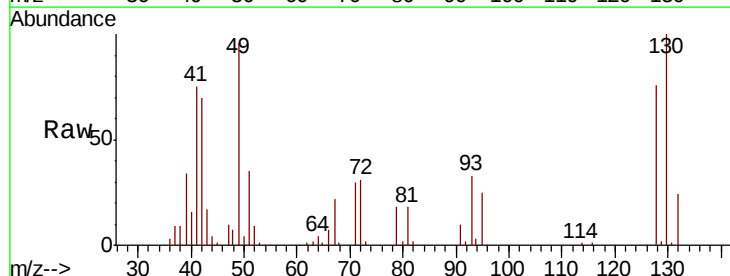
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 54.891 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	49	Resp	260833
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	104.1	83.3	124.9

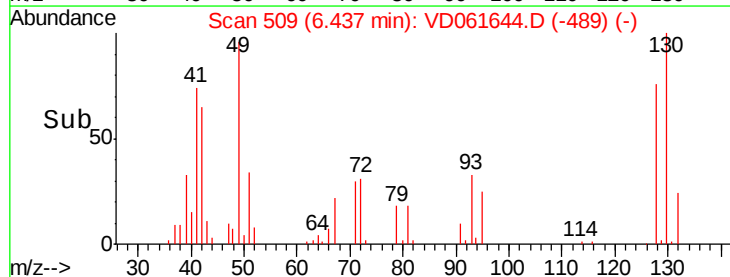
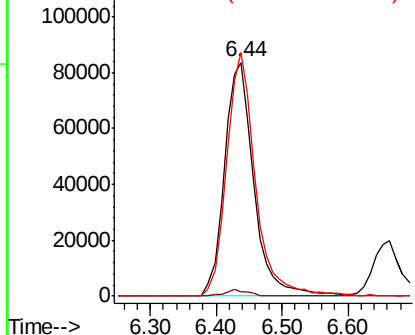


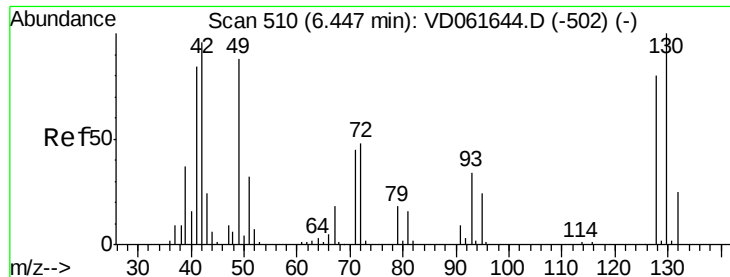
Abundance

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

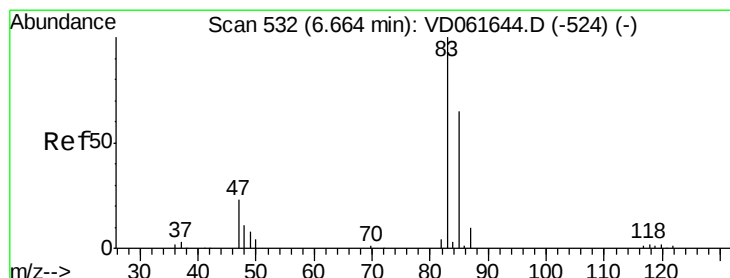
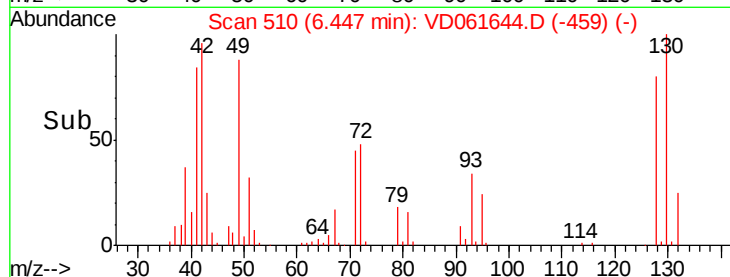
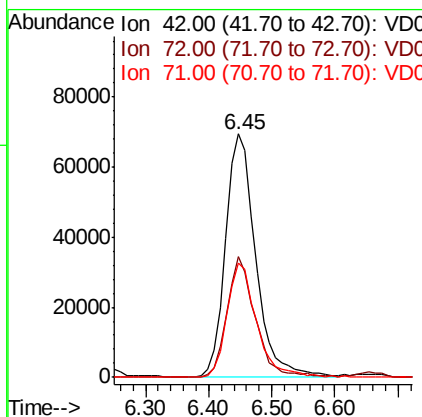
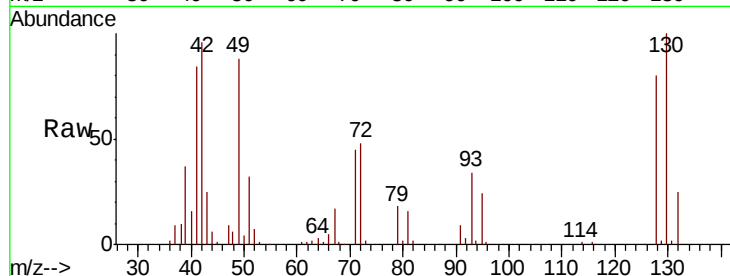




#29
Tetrahydrofuran
Concen: 255.399 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

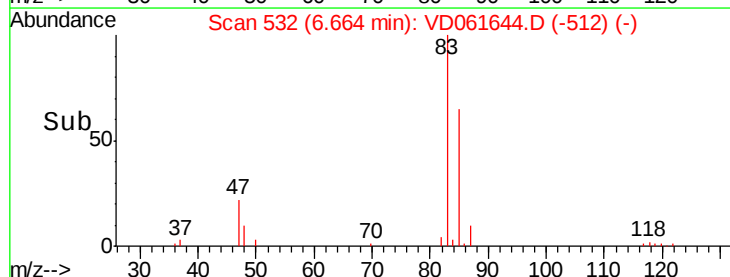
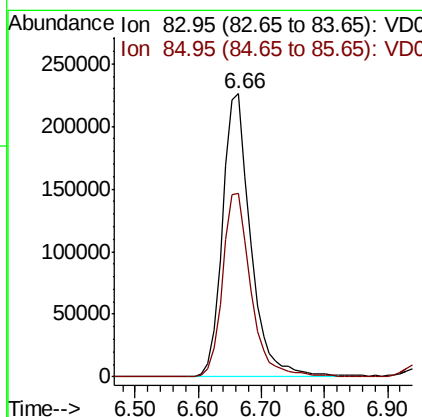
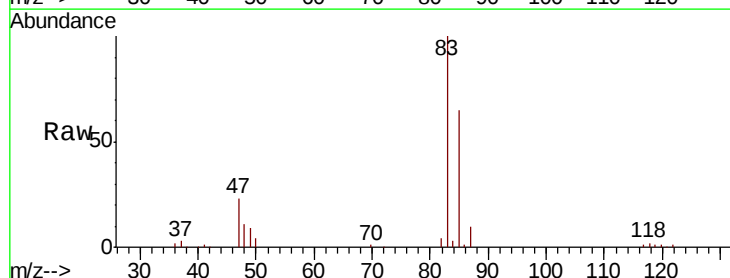
Instrument :
MSVOA_D
ClientSampleId :

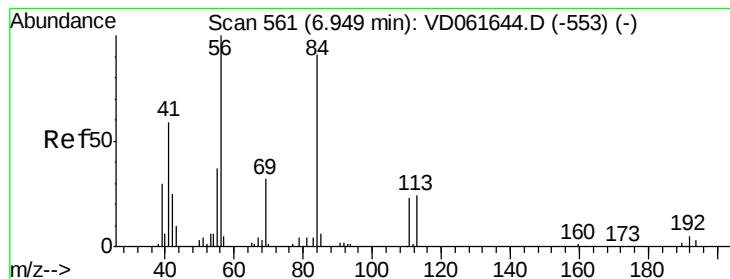
Tot Ion: 42 Resp: 230437
Ion Ratio Lower Upper
42 100
72 46.3 37.0 55.6
71 45.6 36.5 54.7



#30
Chloroform
Concen: 50.572 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 83 Resp: 700300
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9





#31

Cyclohexane

Concen: 53.380 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

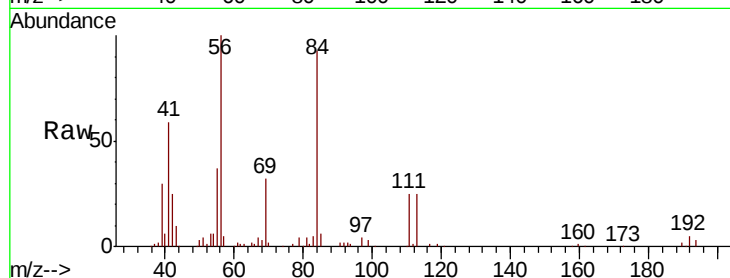
Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 544617

Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	92.7	74.2	111.2

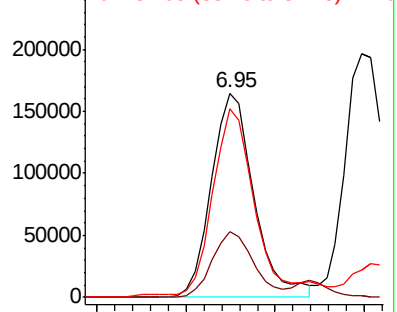


Abundance

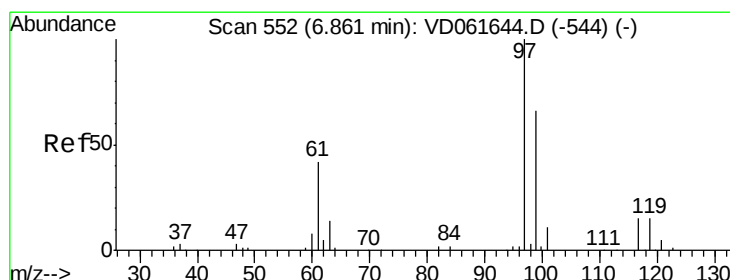
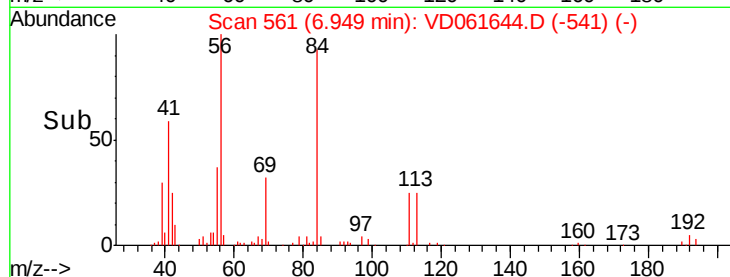
Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->



#32

1,1,1-Trichloroethane

Concen: 50.672 ug/l

RT: 6.86 min Scan# 552

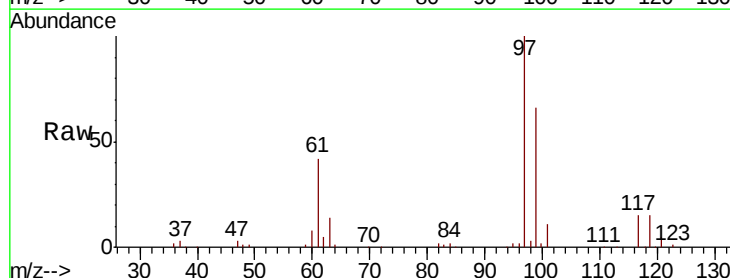
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 97 Resp: 616320

Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.5	78.7
61	41.7	33.4	50.0

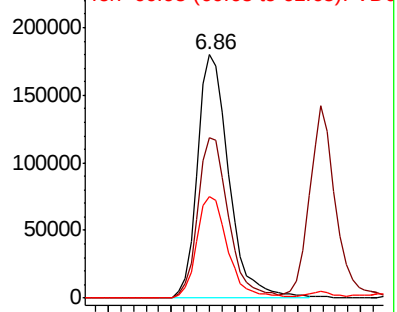


Abundance

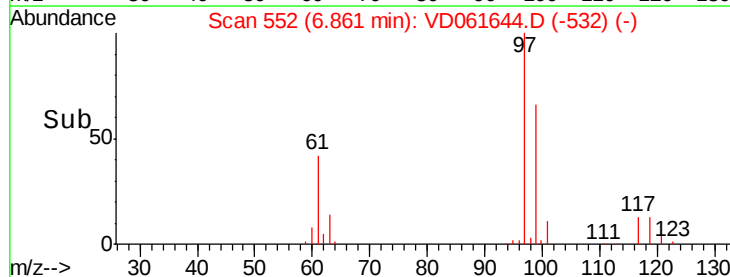
Ion 96.85 (96.55 to 97.55): VDC

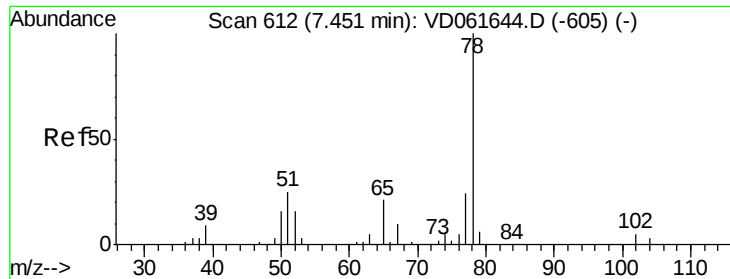
Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->

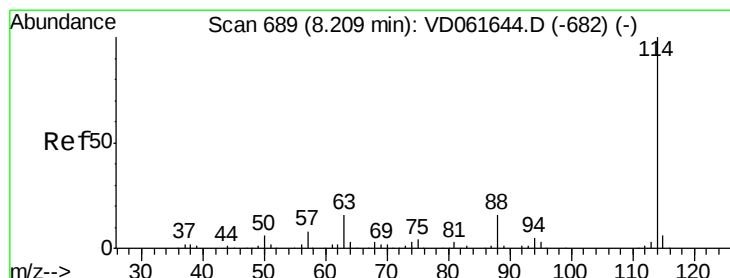
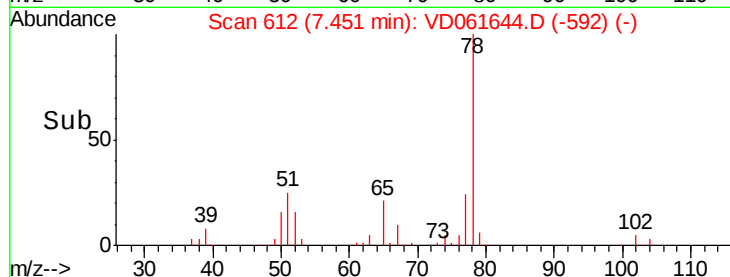
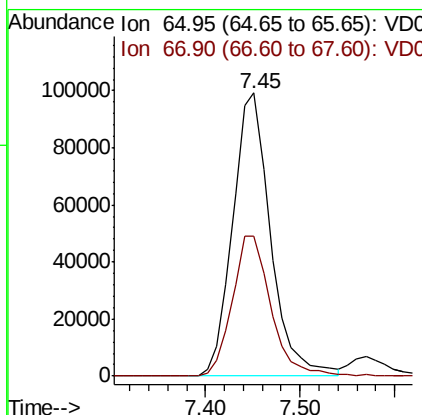
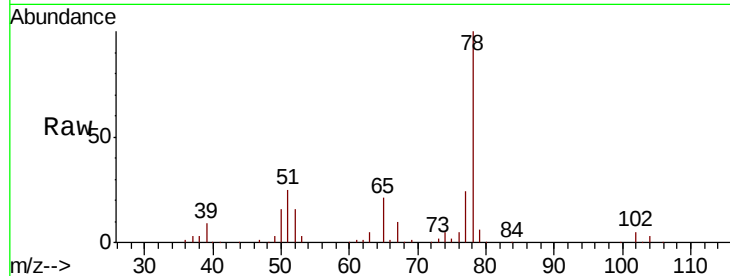




#33
 1,2-Dichloroethane-d4
 Concen: 50.672 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

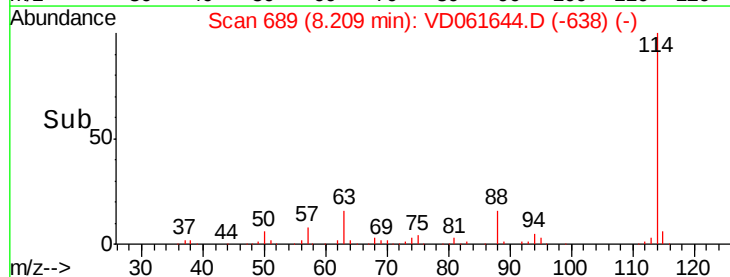
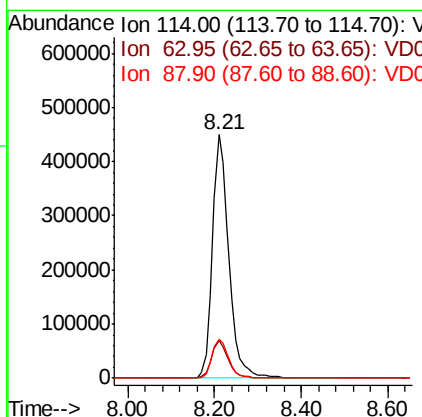
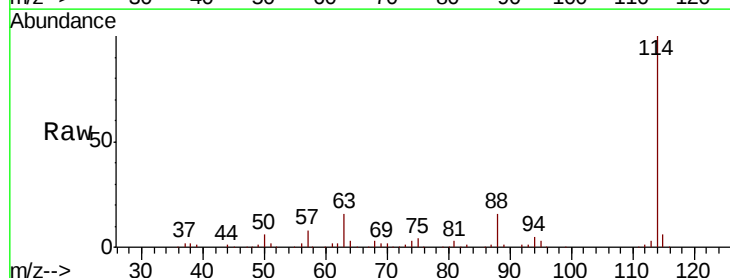
Instrument :
 MSVOA_D
 ClientSampleID :

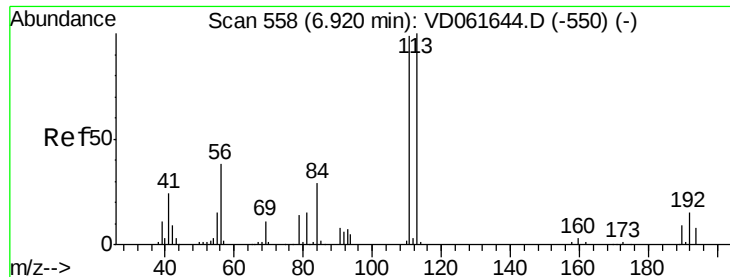
Tot Ion: 65 Resp: 274394
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 114 Resp: 1180789
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 15.9 0.0 31.8

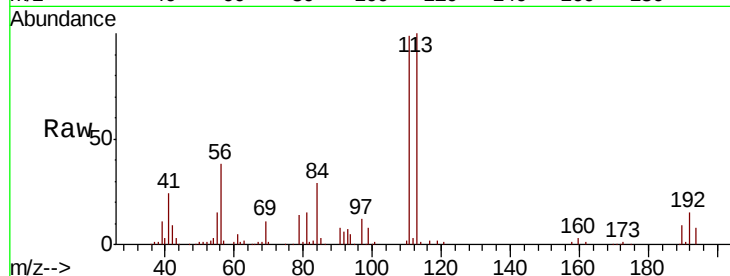




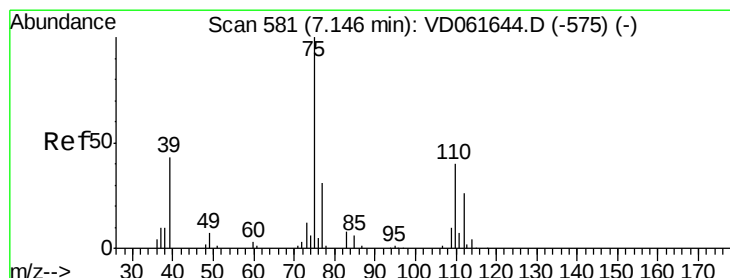
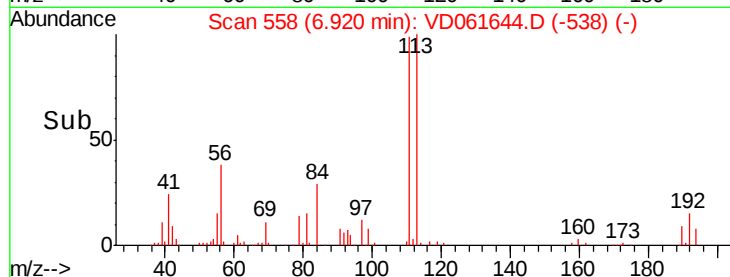
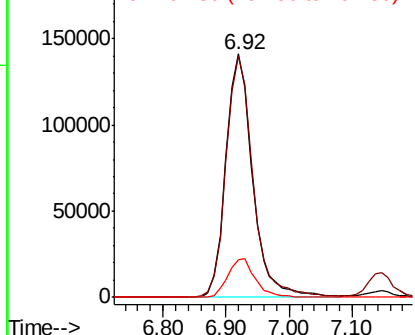
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 415057
 Ion Ratio Lower Upper
 113 100
 111 99.1 79.3 118.9
 192 15.4 12.3 18.5

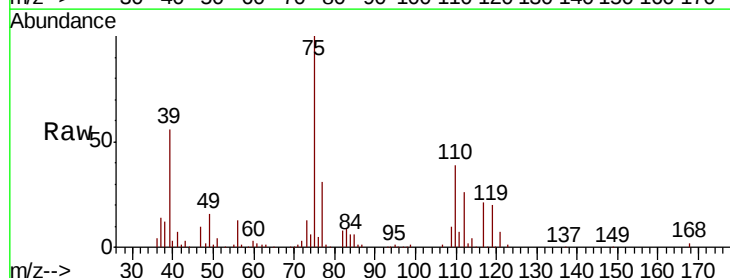


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

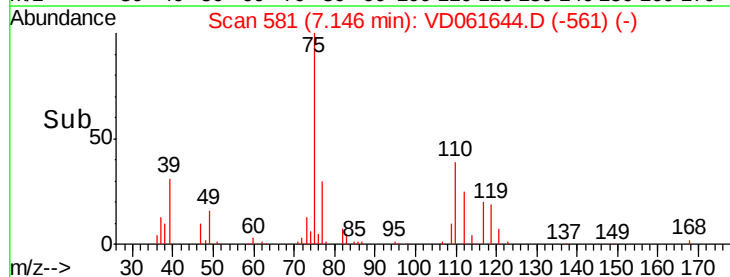
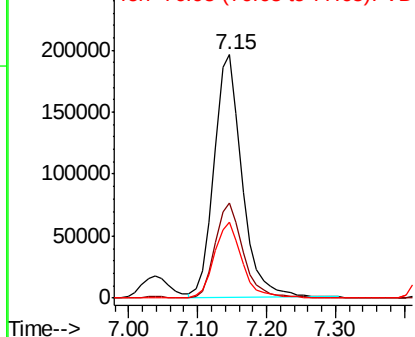


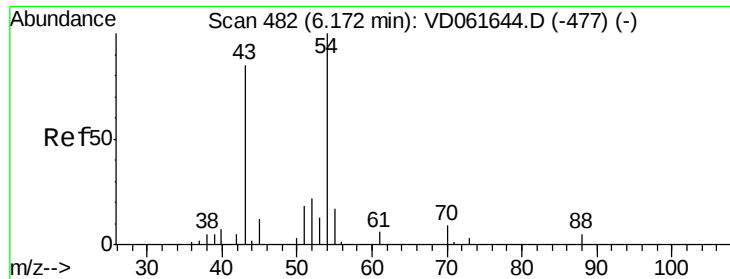
#36
 1,1-Dichloropropene
 Concen: 52.163 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 75 Resp: 550690
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.7 59.0
 77 31.0 24.8 37.2



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

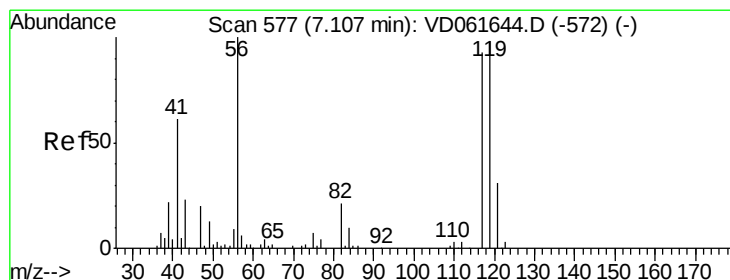
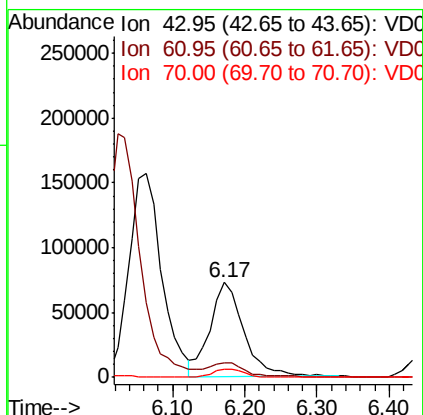
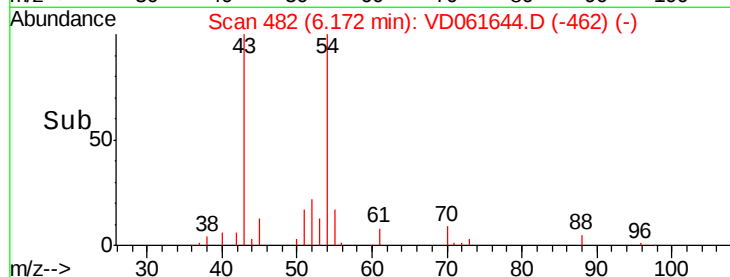
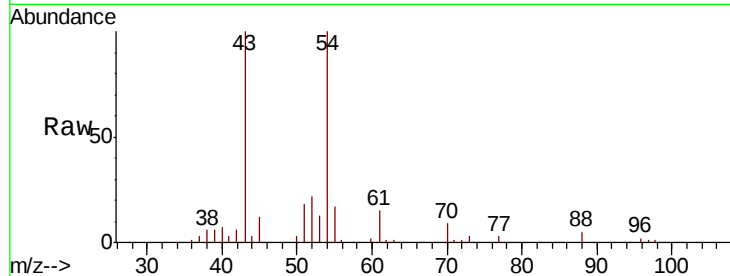




#37
Ethyl Acetate
Concen: 53.127 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

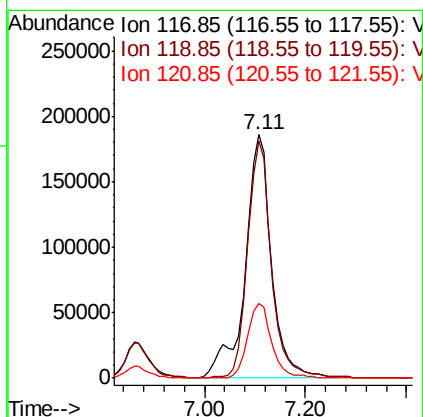
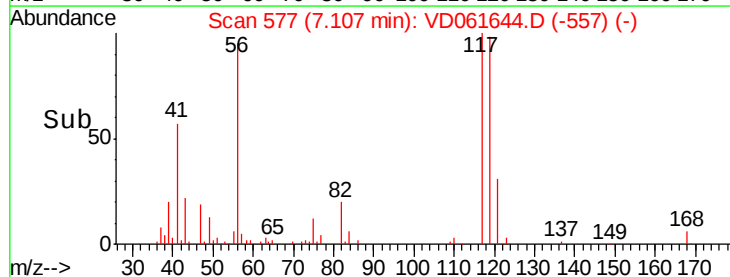
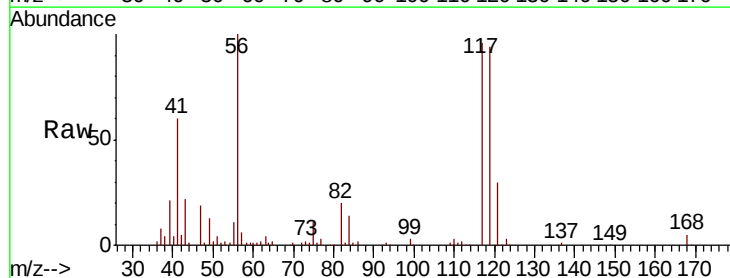
Instrument :
MSVOA_D
ClientSampleID :

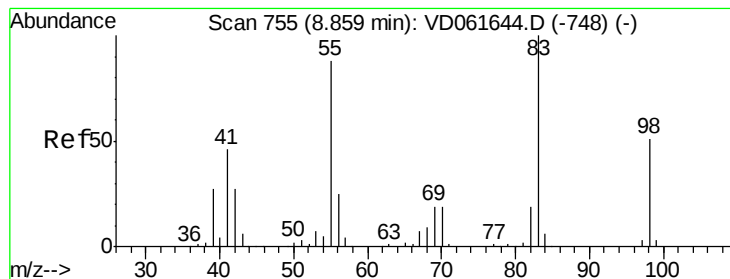
Tot Ion: 43 Resp: 232835
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.298 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 117 Resp: 674360
Ion Ratio Lower Upper
117 100
119 97.4 77.9 116.9
121 30.9 24.7 37.1





#39

Methvlcvclohexane

Concen: 53.315 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

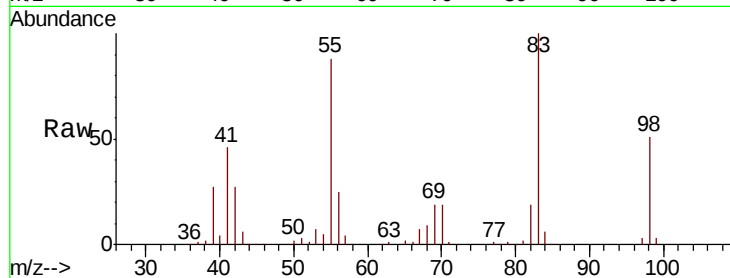
Tot Ion: 83 Resp: 586771

Ion Ratio Lower Upper

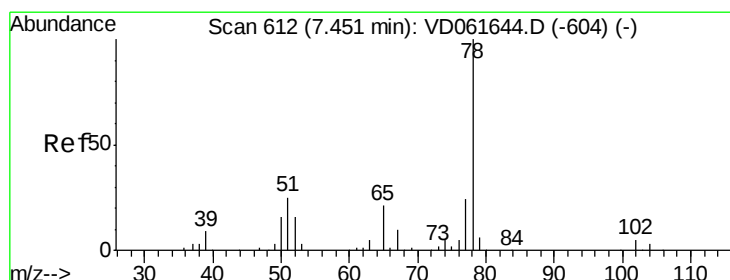
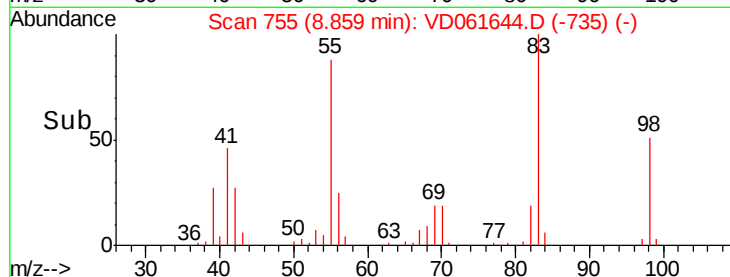
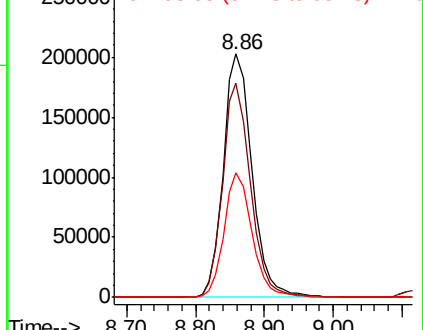
83 100

55 87.9 70.3 105.5

98 51.3 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: 53.306 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061644.D

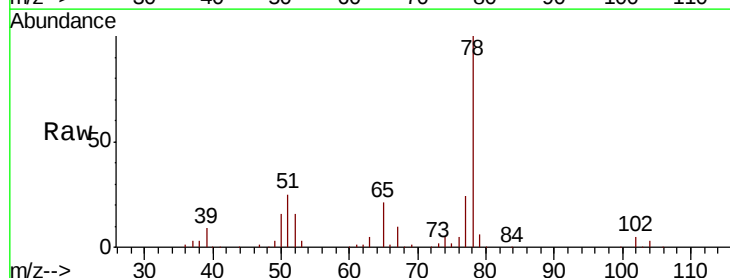
Acq: 6 Apr 2019 15:39

Tgt Ion: 78 Resp: 1361629

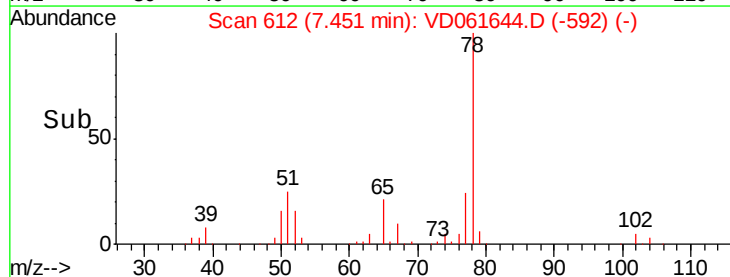
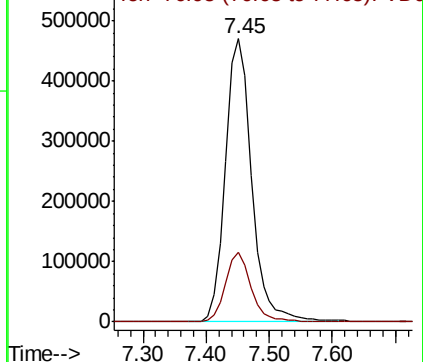
Ion Ratio Lower Upper

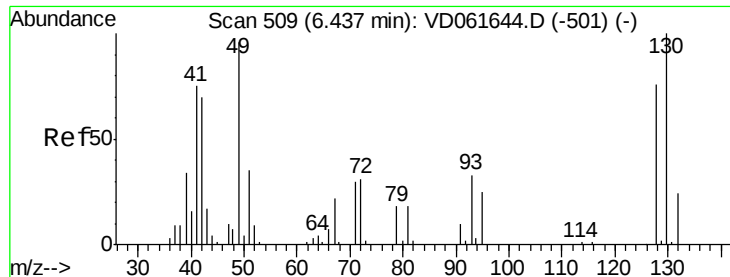
78 100

77 24.4 19.5 29.3



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

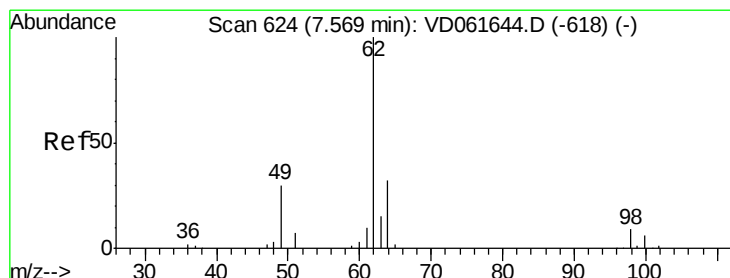
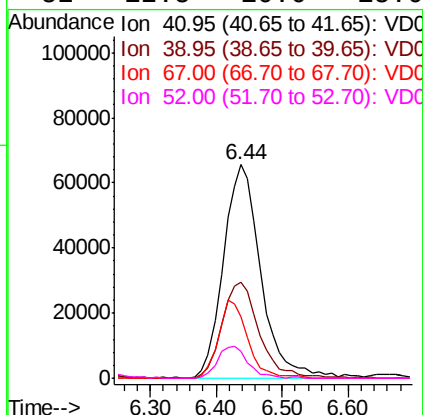
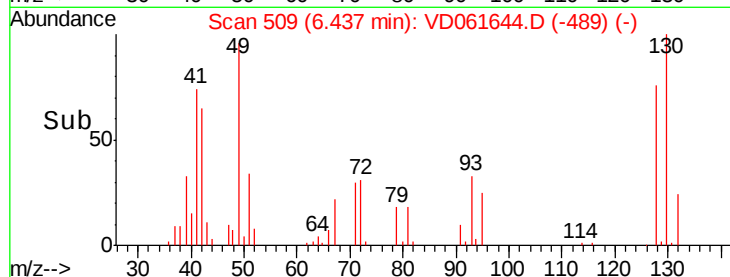
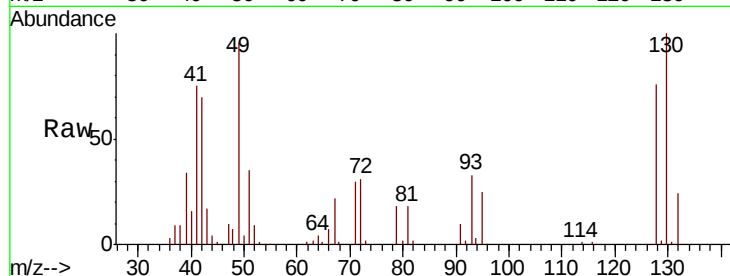




#41
Methacrylonitrile
Concen: 52.539 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

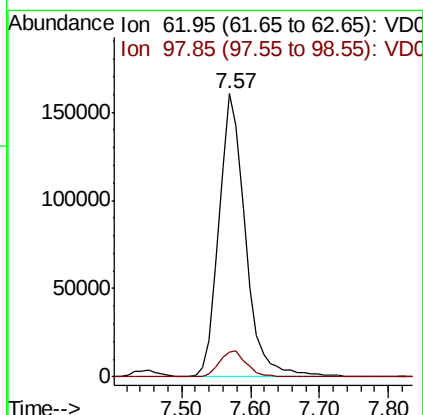
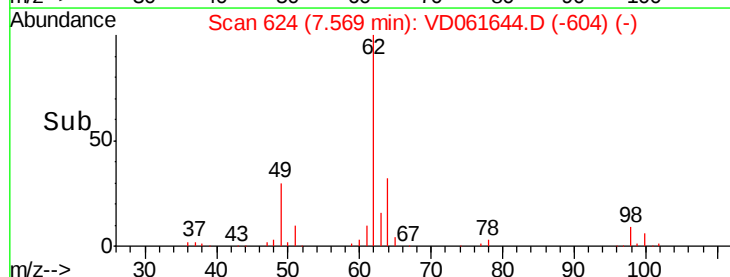
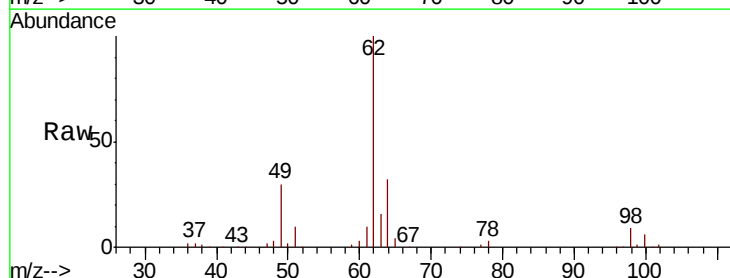
Instrument :
MSVOA_D
ClientSampleId :

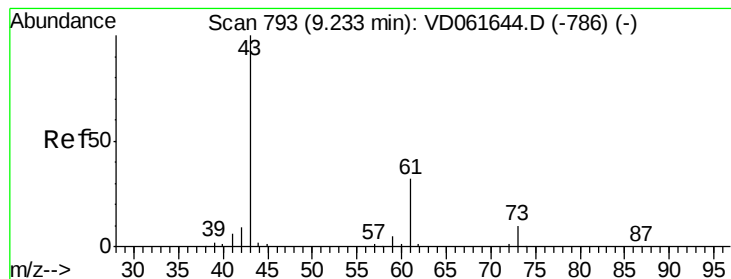
Tot Ion: 41 Resp: 259514
Ion Ratio Lower Upper
41 100
39 45.2 36.2 54.2
67 29.0 23.2 34.8
52 12.5 10.0 15.0



#42
1,2-Dichloroethane
Concen: 53.085 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 62 Resp: 428576
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.8



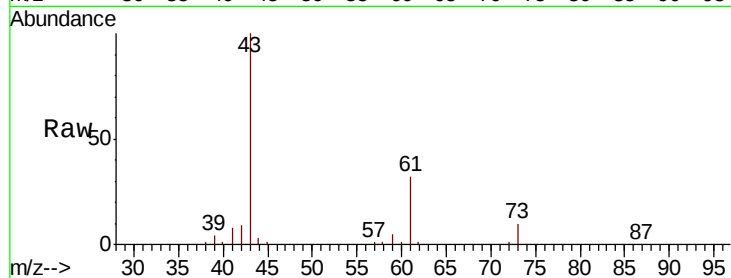


#43

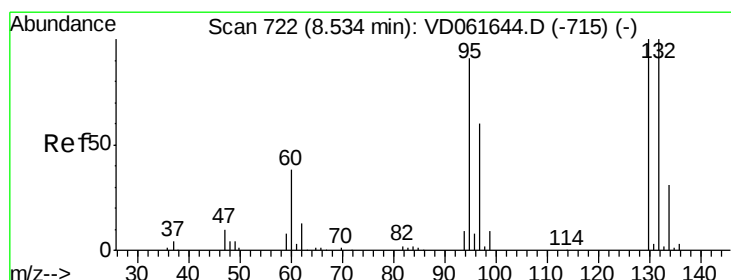
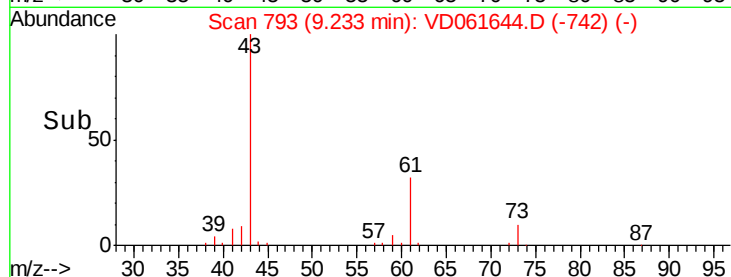
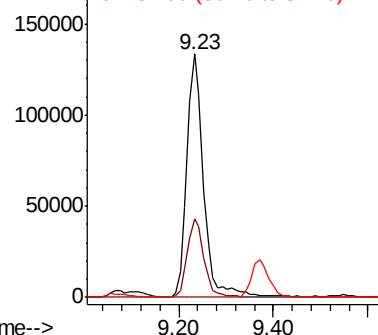
Isopropyl Acetate
 Concen: 52.374 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.9	38.9
87	0.3	0.2	0.4



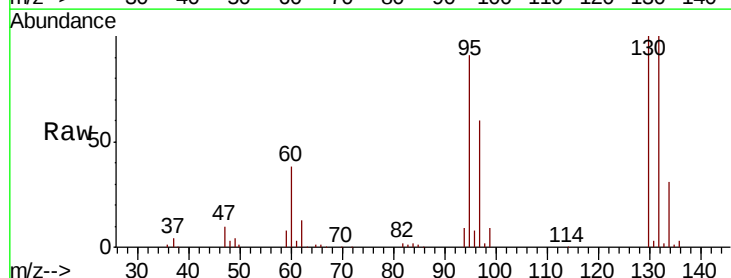
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



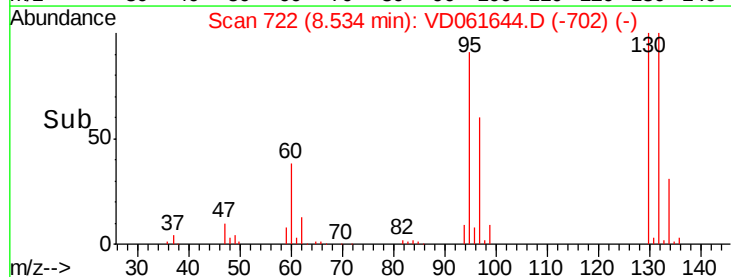
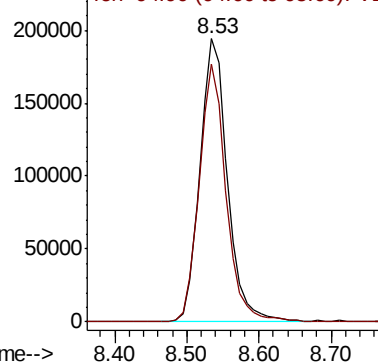
#44

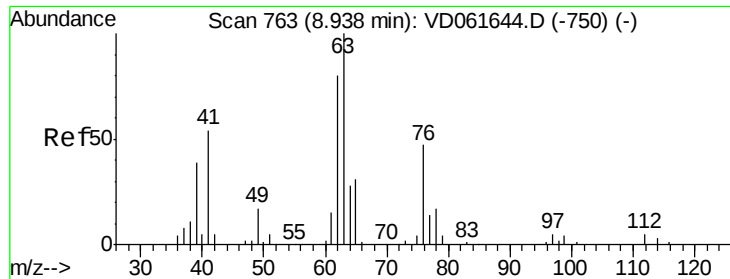
Trichloroethene
 Concen: 52.849 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	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: 52.838 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

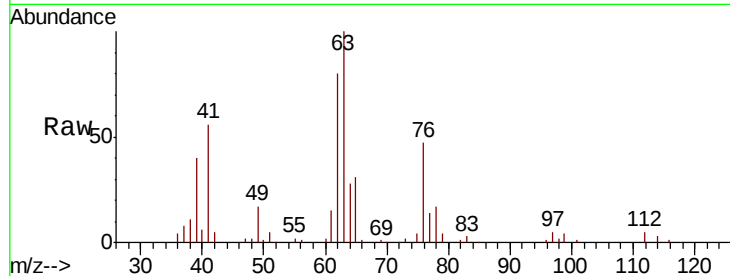
ClientSampleId :

Tot Ion: 63 Resp: 330610

Ion Ratio Lower Upper

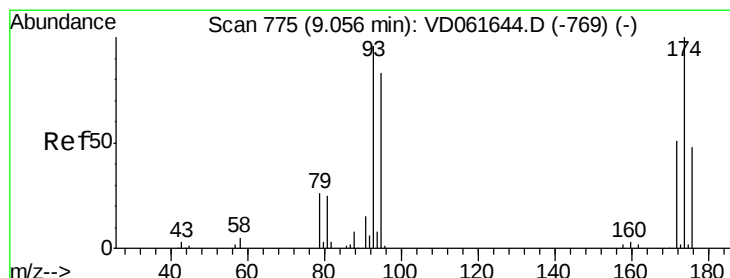
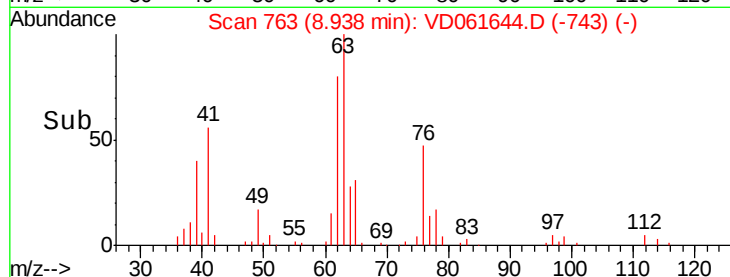
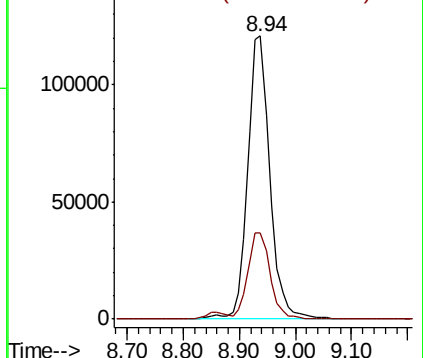
63 100

65 30.6 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.224 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

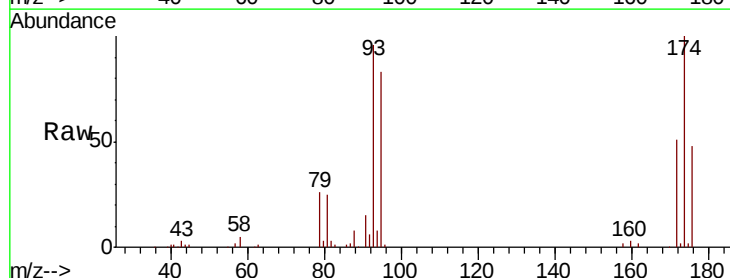
Tgt Ion: 93 Resp: 231620

Ion Ratio Lower Upper

93 100

95 85.8 68.6 103.0

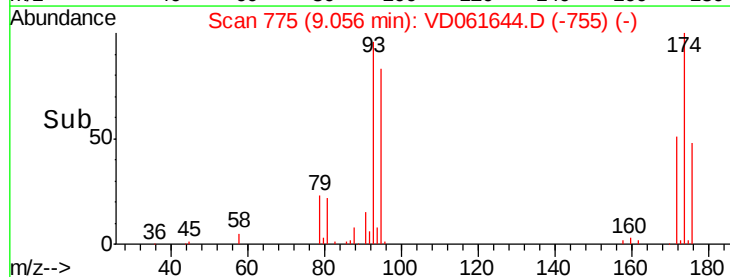
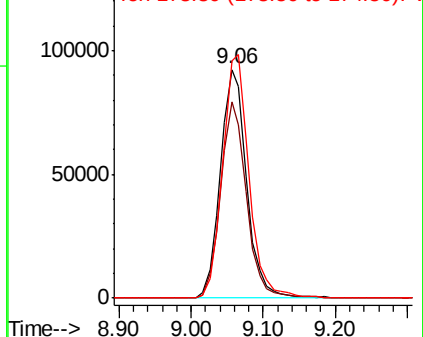
174 103.7 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.552 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

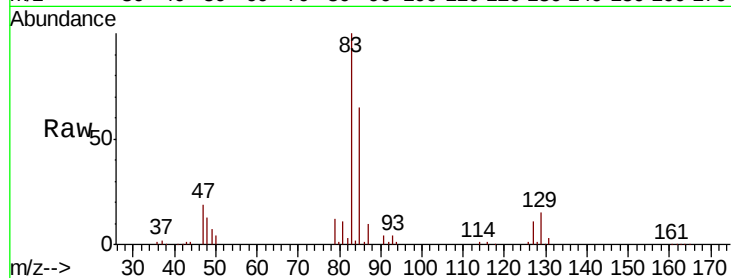
Tot Ion: 83 Resp: 501175

Ion Ratio Lower Upper

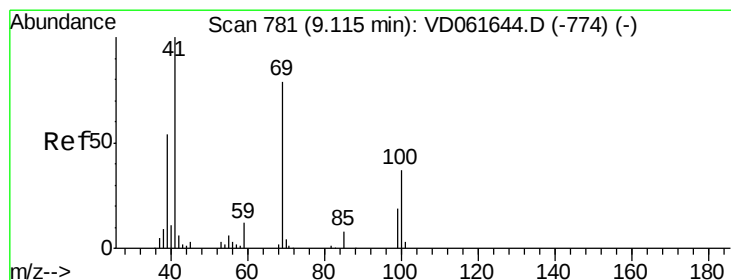
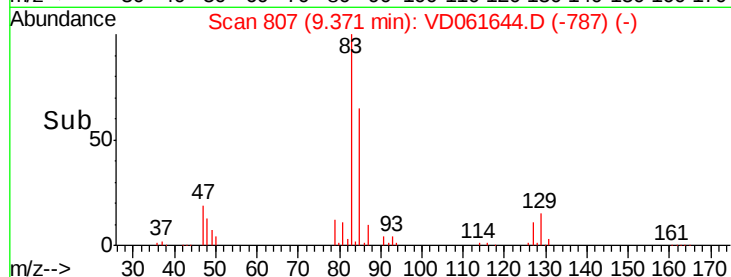
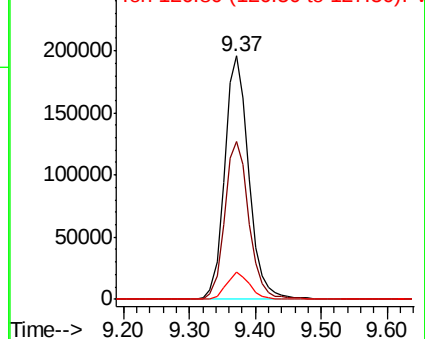
83 100

85 64.7 51.8 77.6

127 11.3 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: 53.397 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

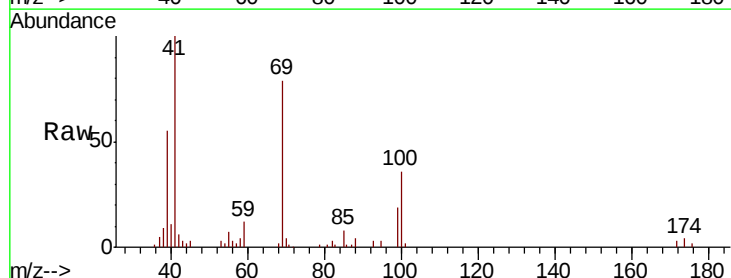
Tgt Ion: 41 Resp: 185950

Ion Ratio Lower Upper

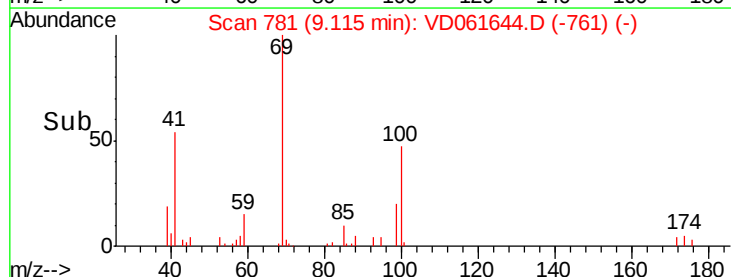
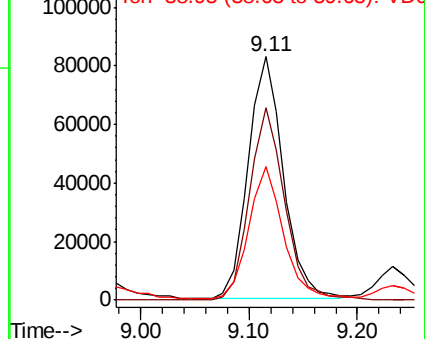
41 100

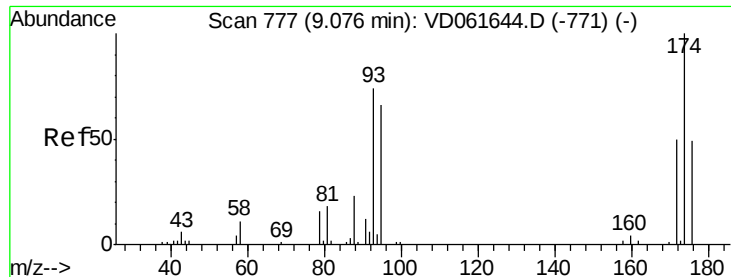
69 78.9 63.1 94.7

39 54.8 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

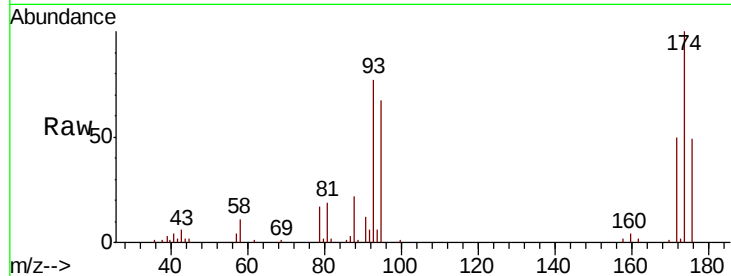




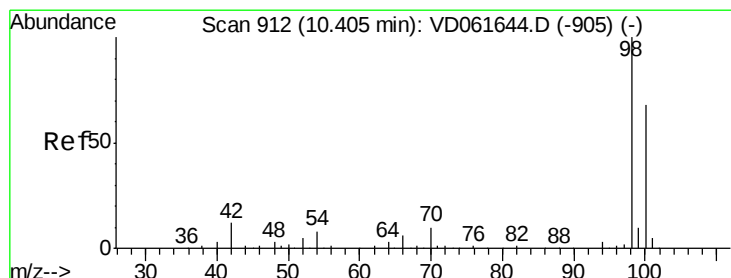
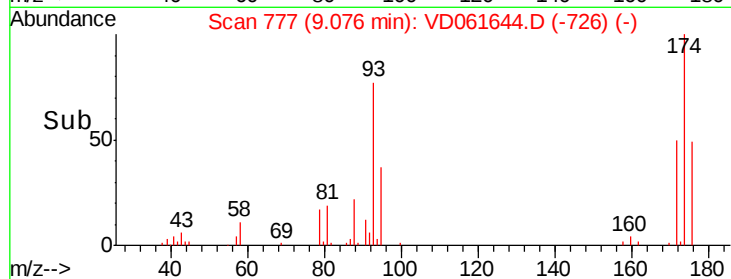
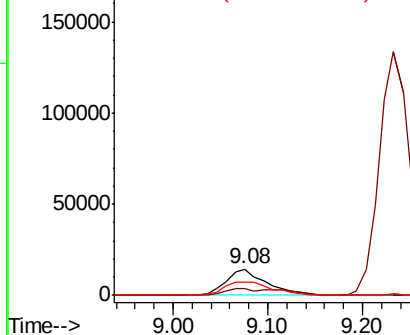
#49
1,4-Dioxane
Concen: 1089.961 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 42013
Ion Ratio Lower Upper
88 100
43 27.3 21.8 32.8
58 50.2 40.2 60.2

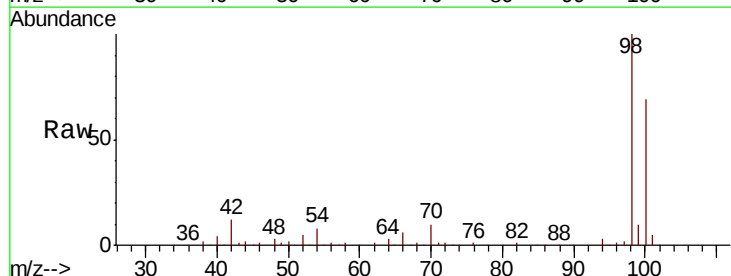


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

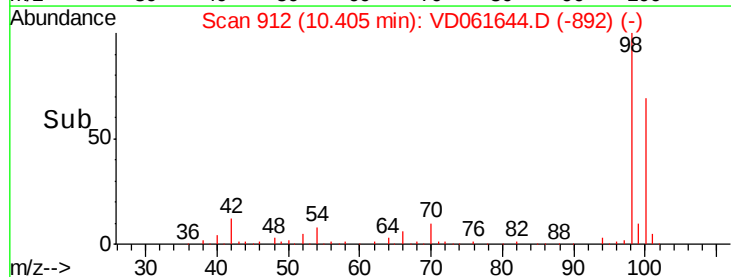
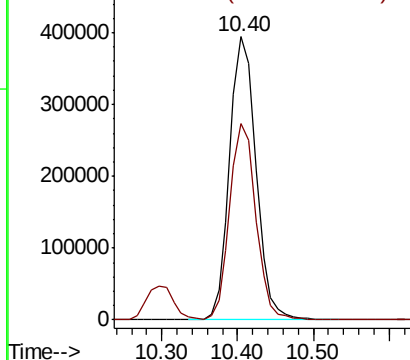


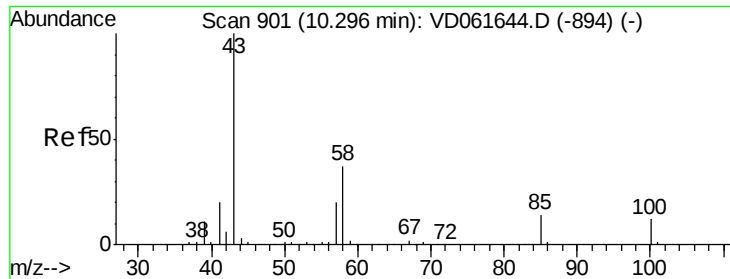
#50
Toluene-d8
Concen: 1089.961 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 98 Resp: 954287
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0



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

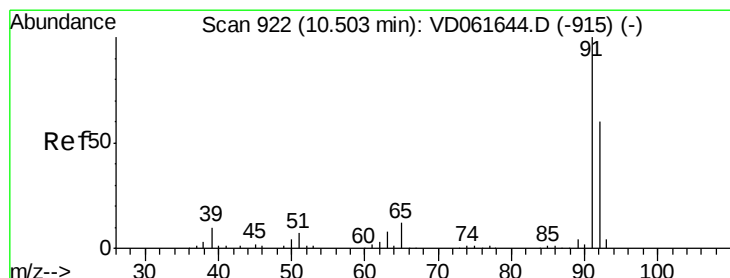
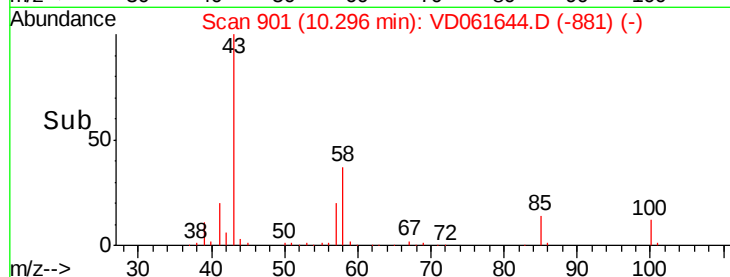
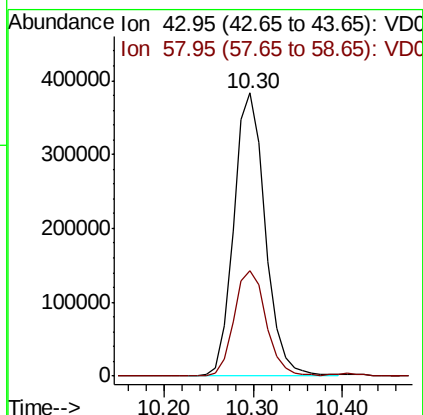
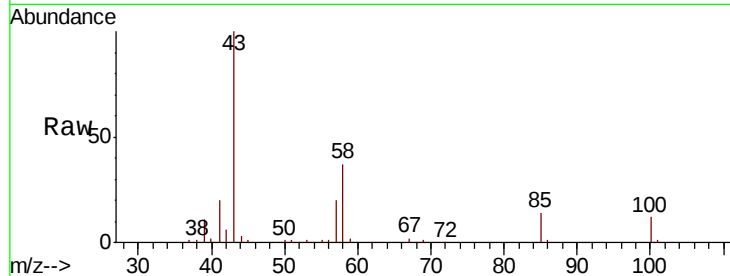




#51
4-Methyl-2-Pentanone
Concen: 255.077 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

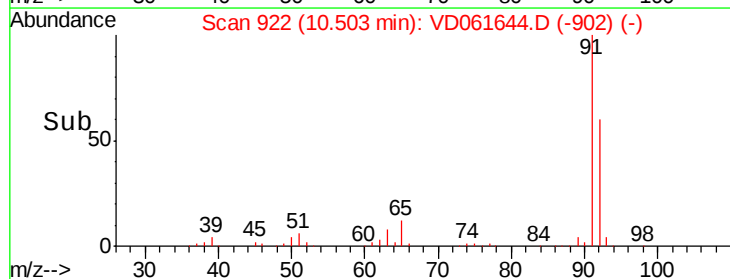
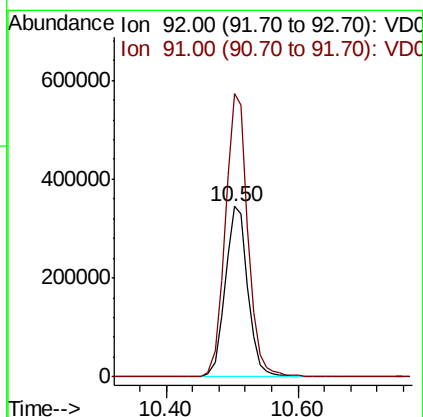
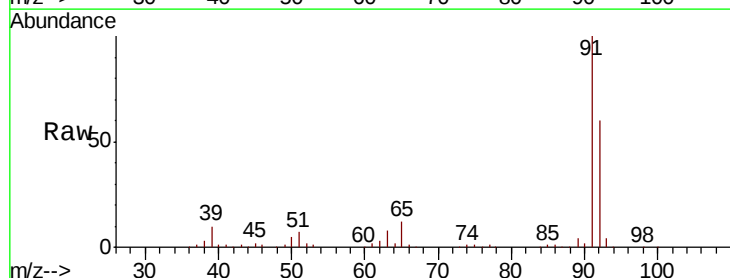
Instrument :
MSVOA_D
ClientSampleId :

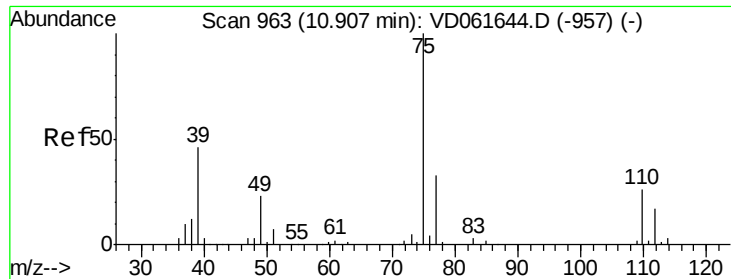
Tot Ion: 43 Resp: 945947
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8



#52
Toluene
Concen: 52.385 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 92 Resp: 828896
Ion Ratio Lower Upper
92 100
91 166.2 133.0 199.4

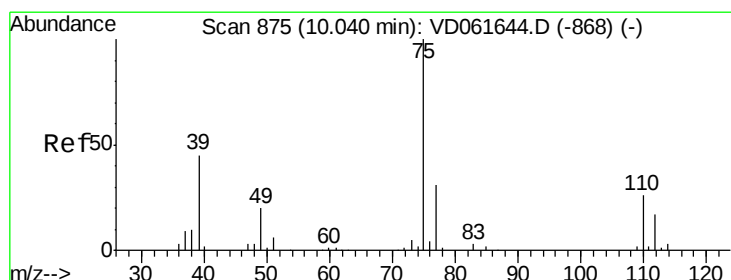
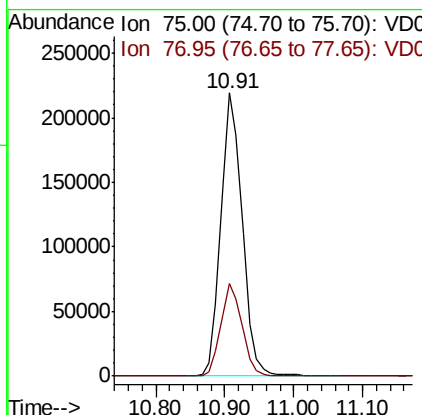
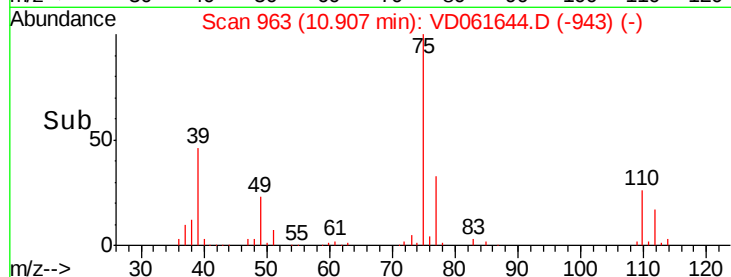
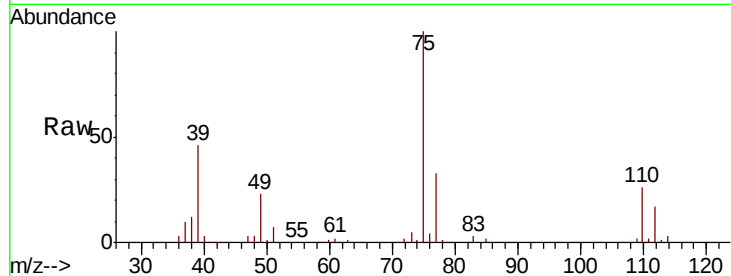




#53
 t-1,3-Dichloropropene
 Concen: 54.069 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

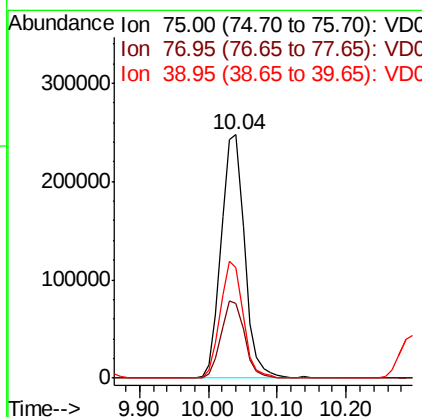
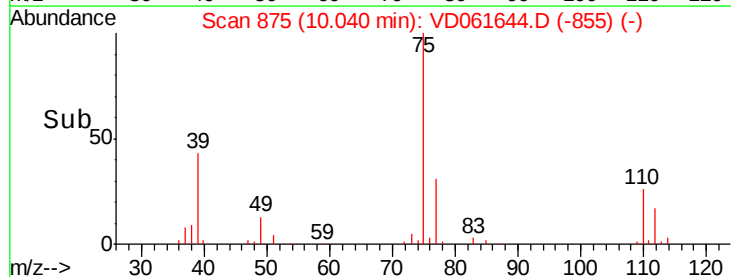
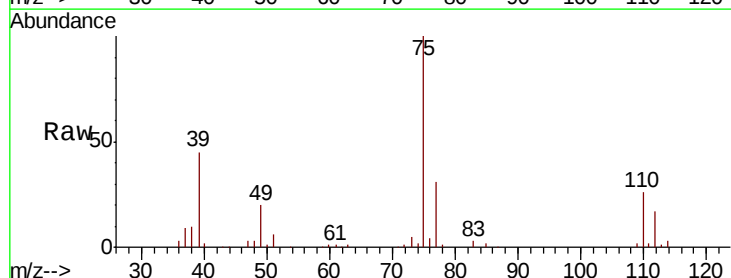
Instrument :
 MSVOA_D
 ClientSampleId :

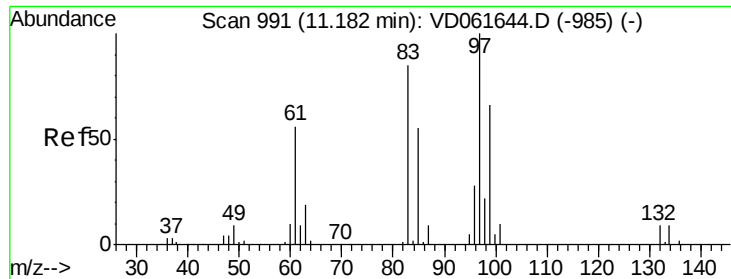
Tot Ion: 75 Resp: 473398
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 54.269 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 75 Resp: 585327
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 45.2 36.2 54.2

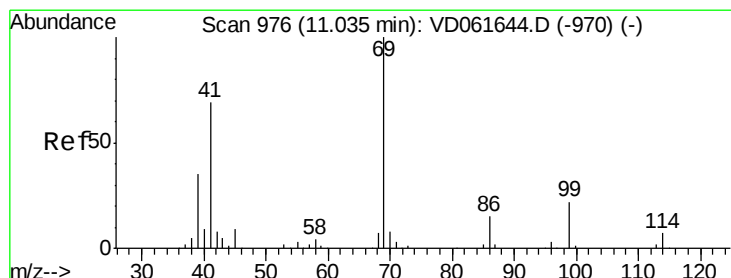
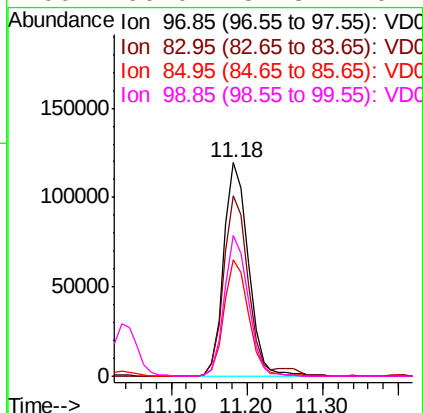
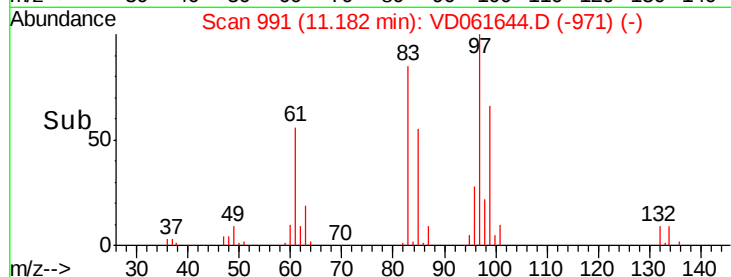
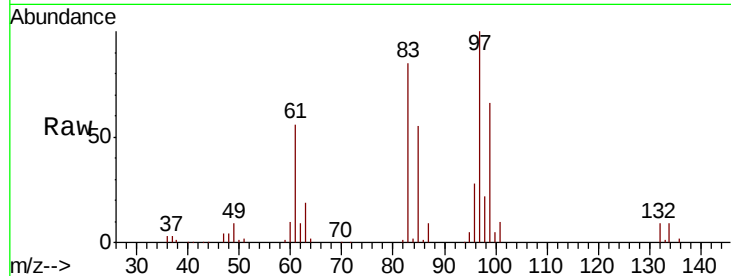




#55
 1,1,2-Trichloroethane
 Concen: 51.858 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

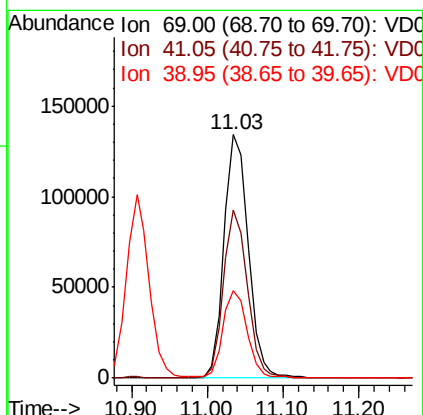
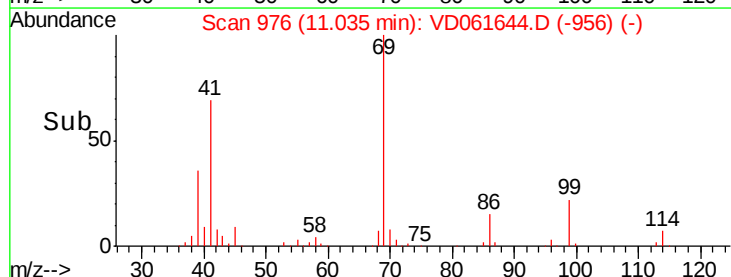
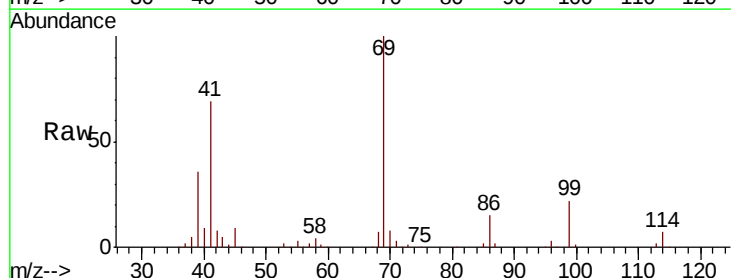
Instrument :
 MSVOA_D
 ClientSampleId :

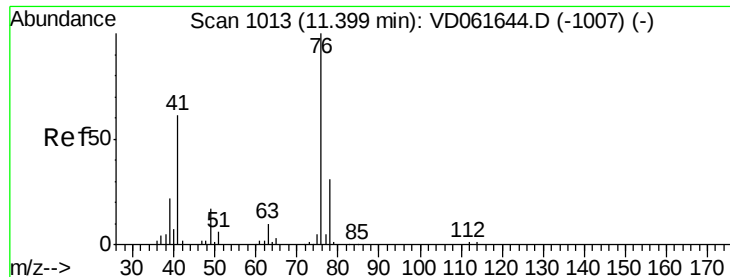
Tot Ion: 97 Resp: 270546
 Ion Ratio Lower Upper
 97 100
 83 84.7 67.8 101.6
 85 54.8 43.8 65.8
 99 66.0 52.8 79.2



#56
 Ethyl methacrylate
 Concen: 52.544 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 69 Resp: 297848
 Ion Ratio Lower Upper
 69 100
 41 69.0 55.2 82.8
 39 35.8 28.6 43.0

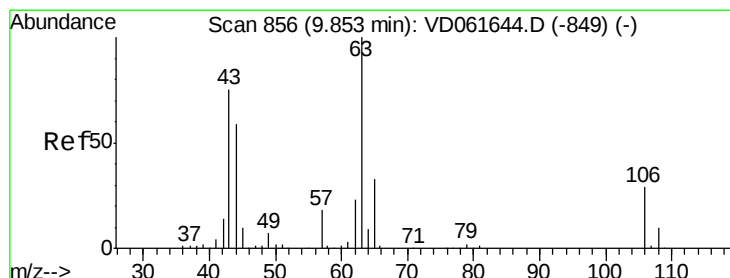
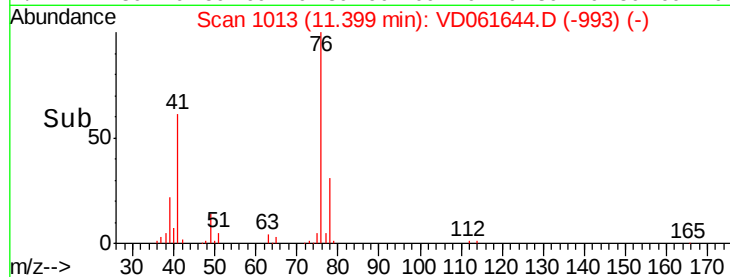
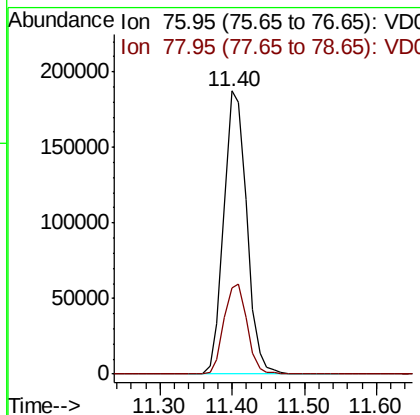
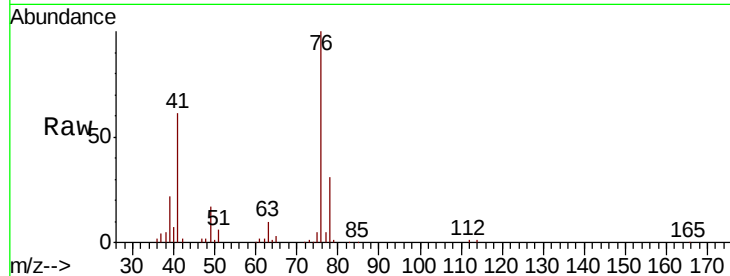




#57
 1,3-Dichloropropane
 Concen: 52.630 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

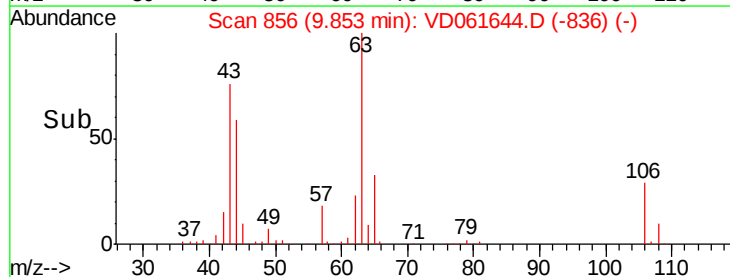
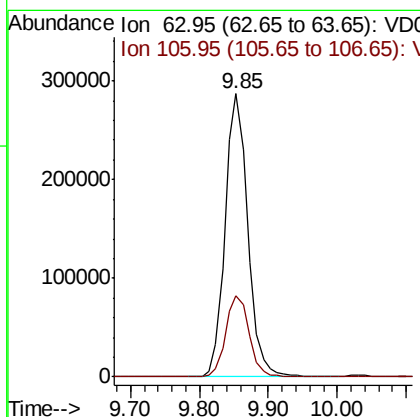
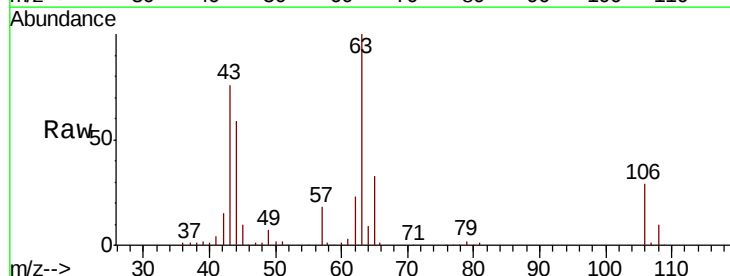
Instrument :
 MSVOA_D
 ClientSampleId :

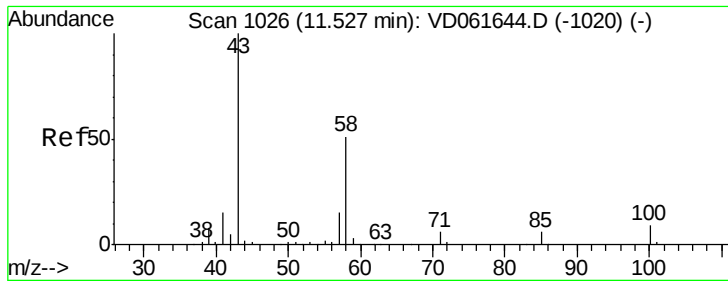
Tot Ion: 76 Resp: 414567
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.850 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 63 Resp: 654486
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.6

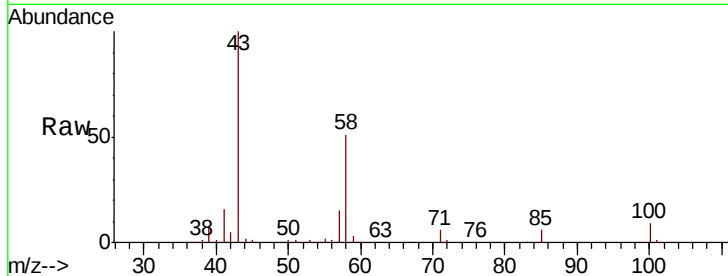




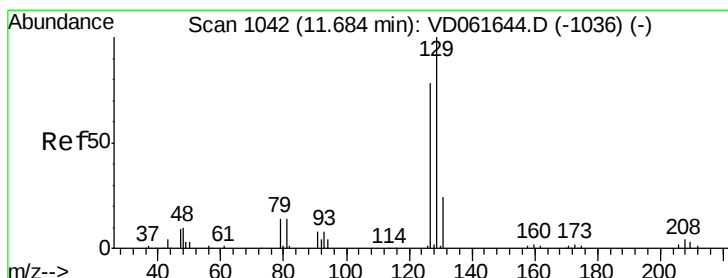
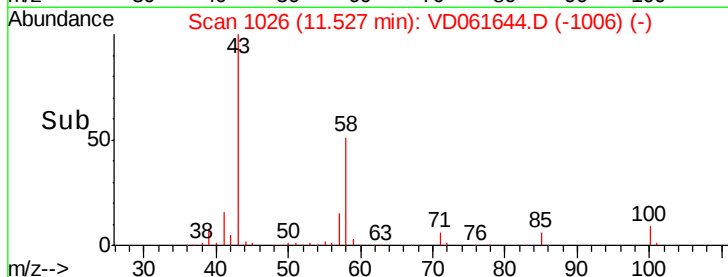
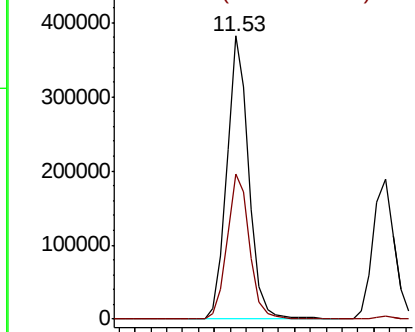
#59
2-Hexanone
Concen: 264.024 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 738928
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

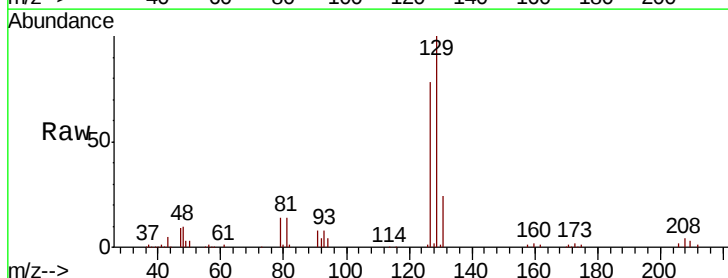


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

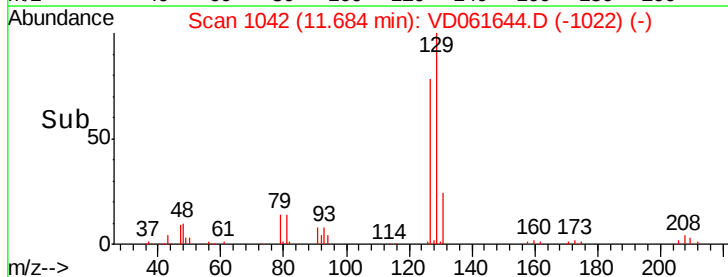
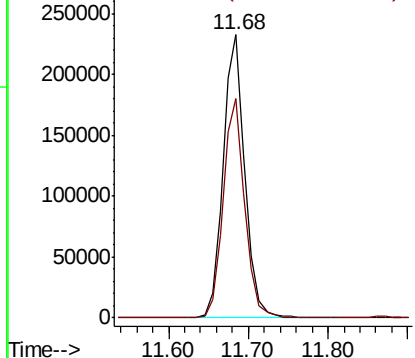


#60
Dibromochloromethane
Concen: 53.518 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:129 Resp: 444421
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

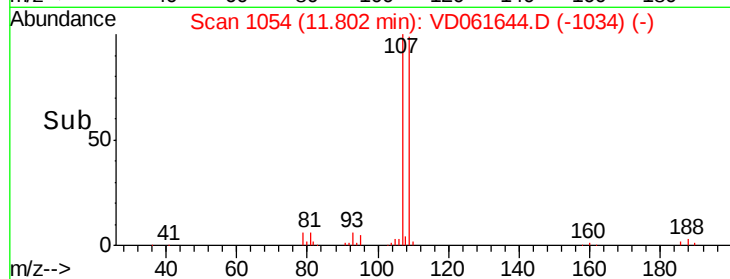
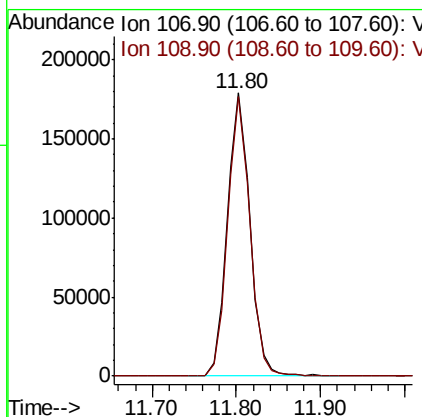
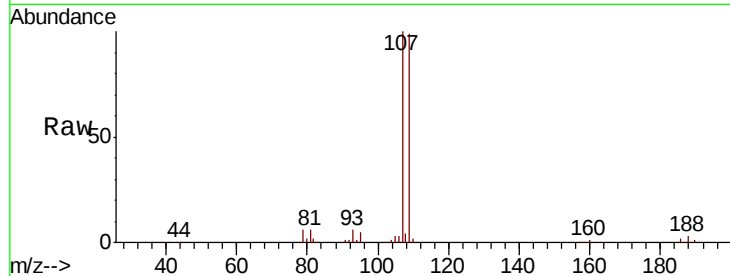




#61
 1,2-Dibromoethane
 Concen: 54.159 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

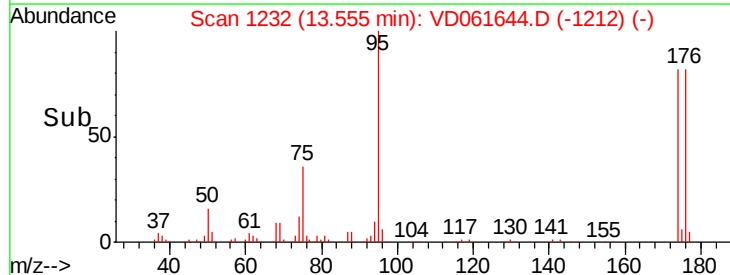
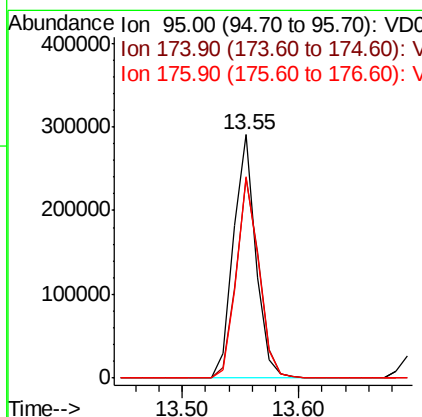
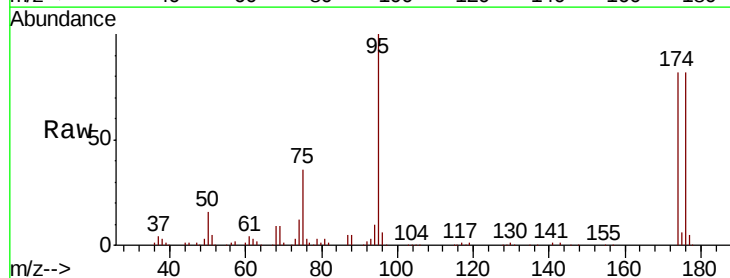
Instrument :
 MSVOA_D
 ClientSampleId :

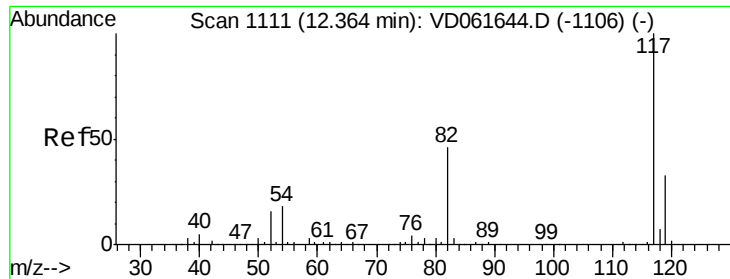
Tot Ion: 107 Resp: 333426
 Ion Ratio Lower Upper
 107 100
 109 99.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 54.159 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 95 Resp: 386281
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 164.6
 176 82.5 0.0 165.0

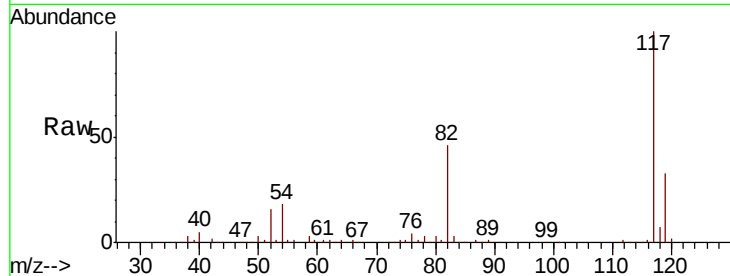




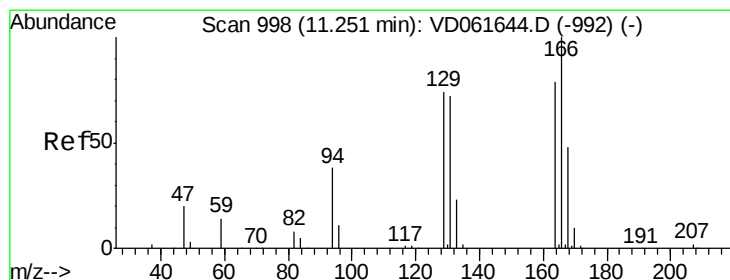
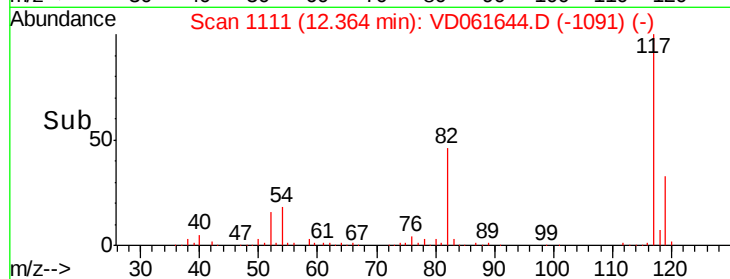
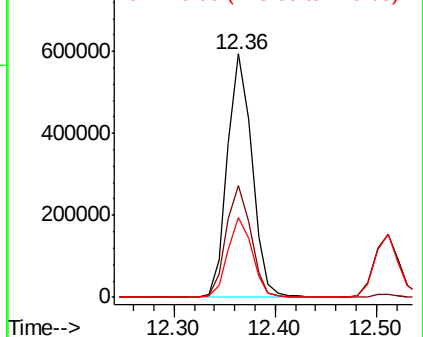
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1007446
Ion Ratio Lower Upper
117 100
82 46.0 36.8 55.2
119 32.6 26.1 39.1

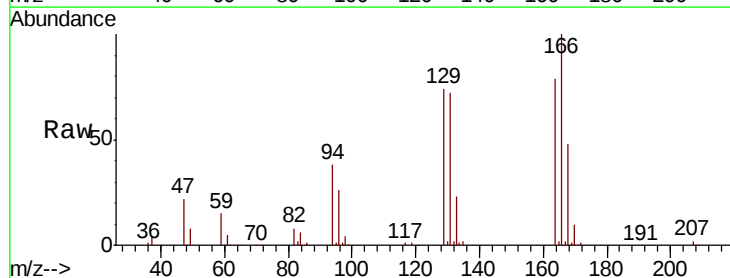


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

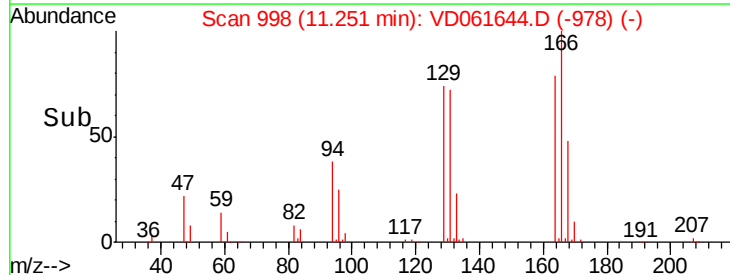
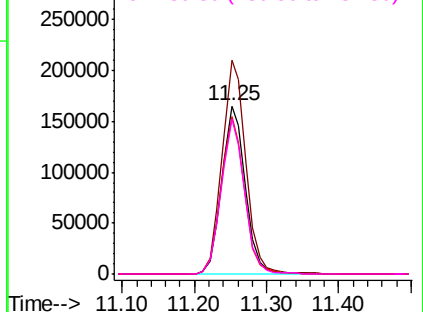


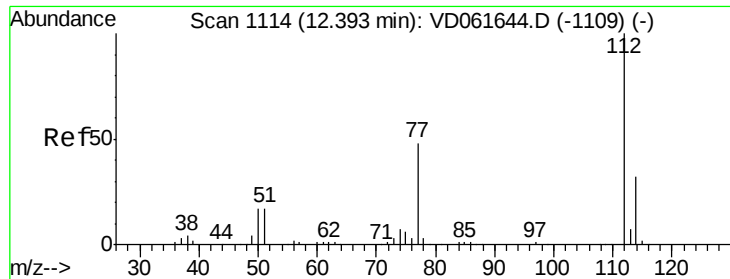
#64
Tetrachloroethene
Concen: 48.268 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:164 Resp: 371066
Ion Ratio Lower Upper
164 100
166 127.3 101.8 152.8
129 94.2 75.4 113.0
131 92.0 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: 51.536 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

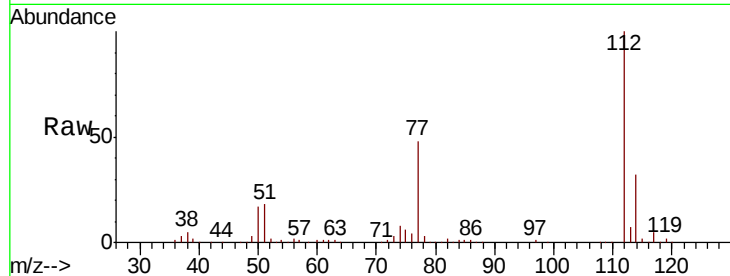
ClientSampleId :

Tot Ion:112 Resp: 1023606

Ion Ratio Lower Upper

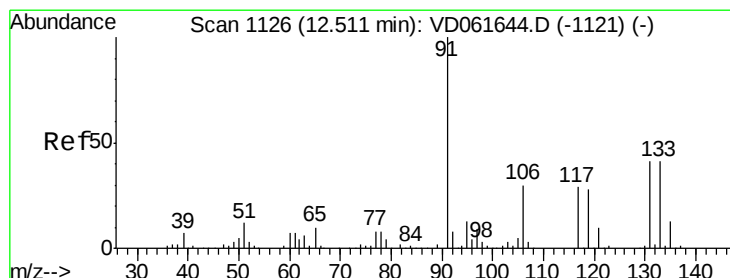
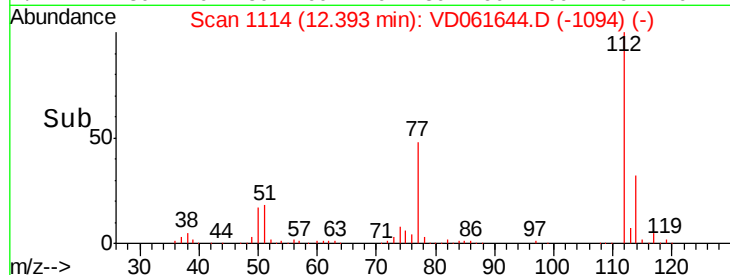
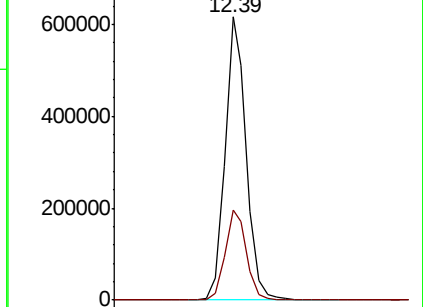
112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.049 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

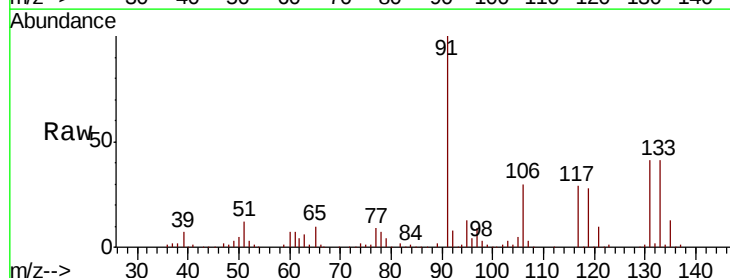
Tgt Ion:131 Resp: 379503

Ion Ratio Lower Upper

131 100

133 98.9 49.5 148.3

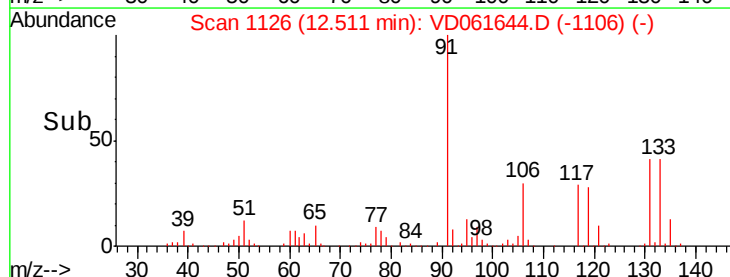
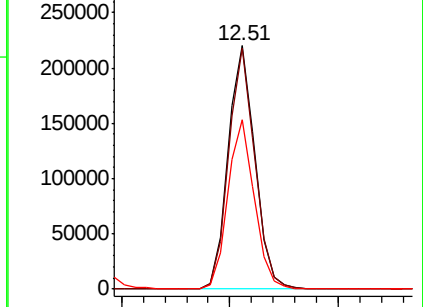
119 69.4 34.7 104.1

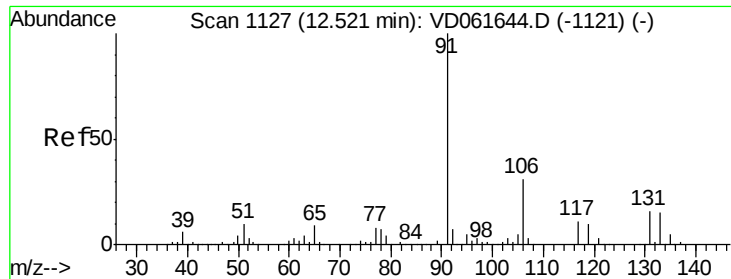


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

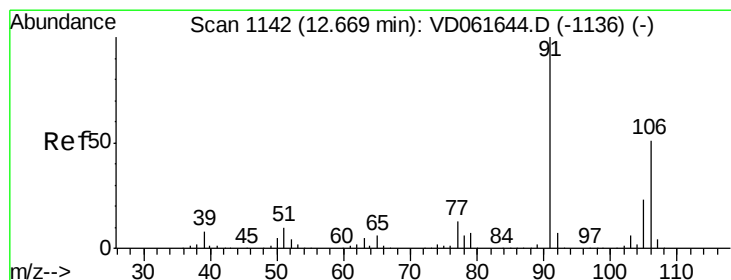
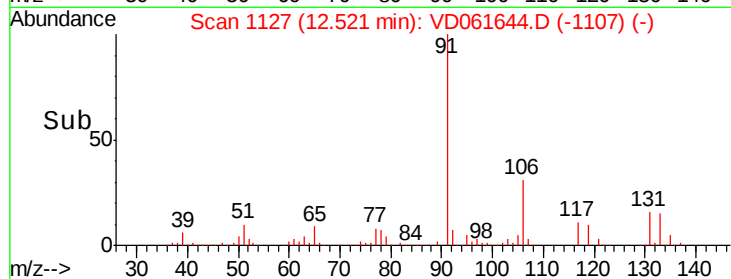
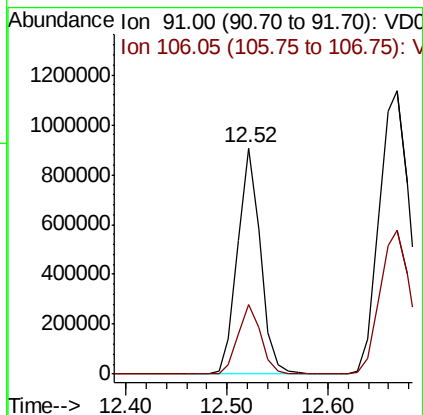
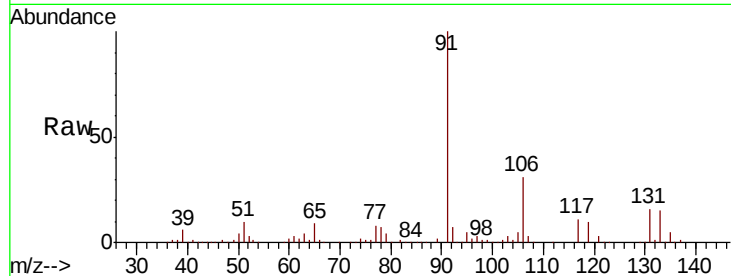




#67
Ethyl Benzene
Concen: 44.982 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

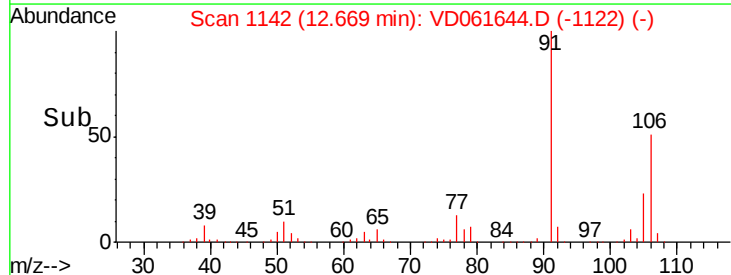
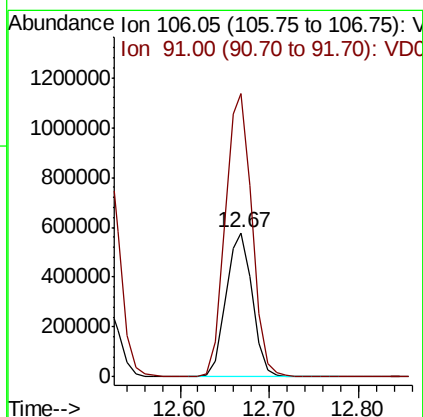
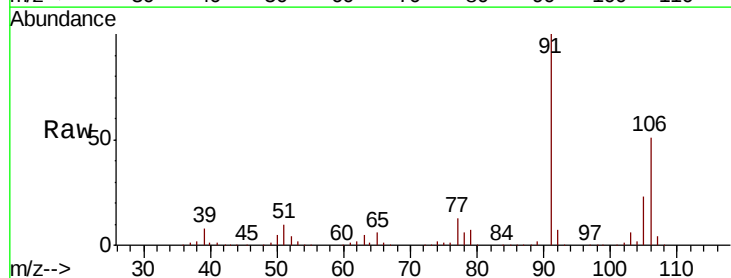
Instrument :
MSVOA_D
ClientSampleId :

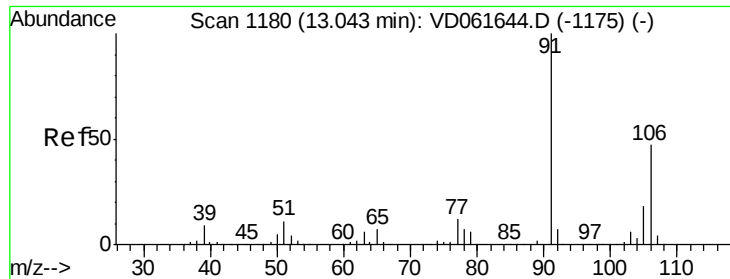
Tot Ion: 91 Resp: 1423170
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 102.505 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:106 Resp: 1197898
Ion Ratio Lower Upper
106 100
91 195.9 156.7 235.1

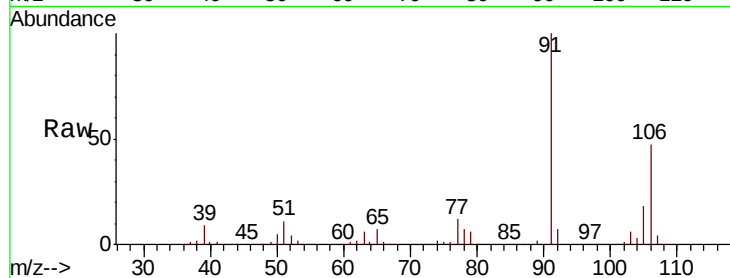




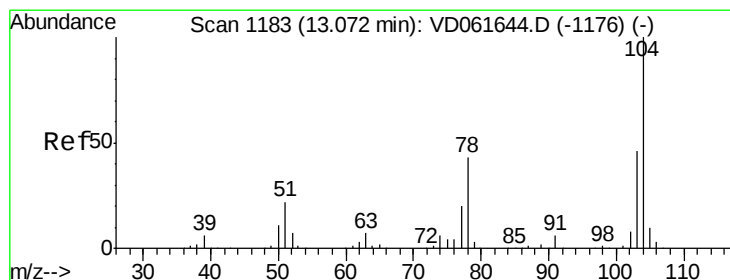
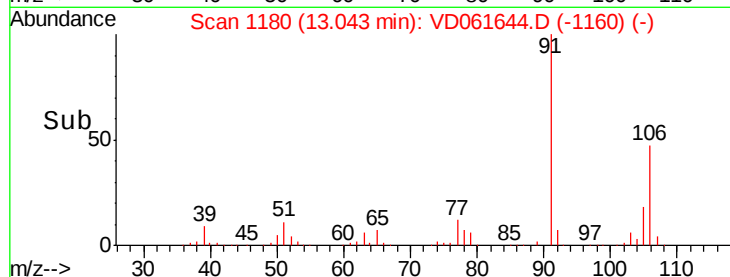
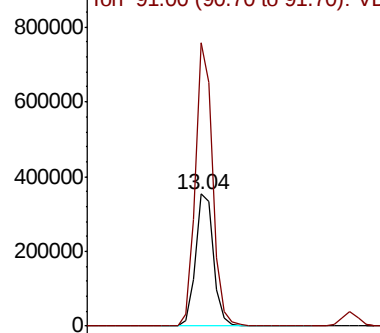
#69
o-Xylene
Concen: 50.018 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 565302
Ion Ratio Lower Upper
106 100
91 214.6 107.3 321.9

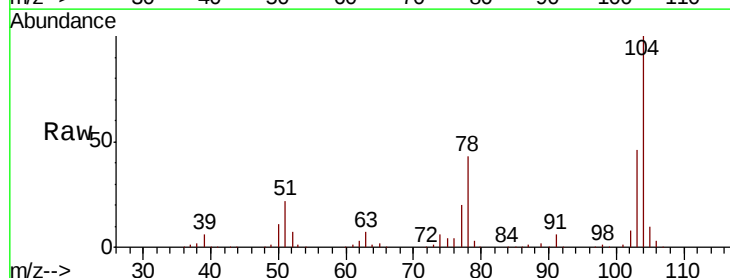


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

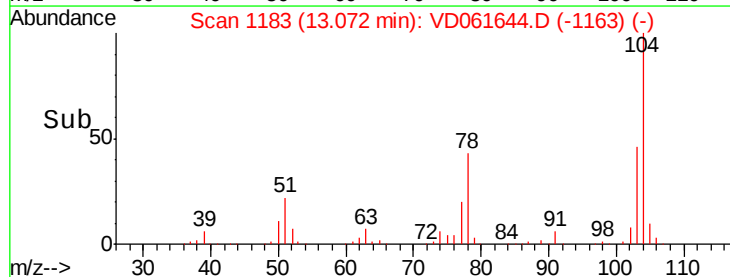
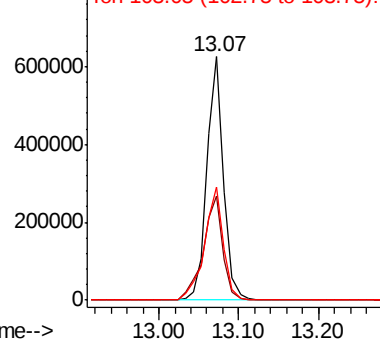


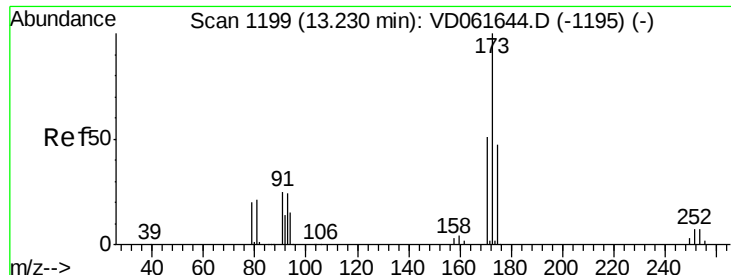
#70
Styrene
Concen: 47.257 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:104 Resp: 914611
Ion Ratio Lower Upper
104 100
78 42.8 34.2 51.4
103 46.5 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

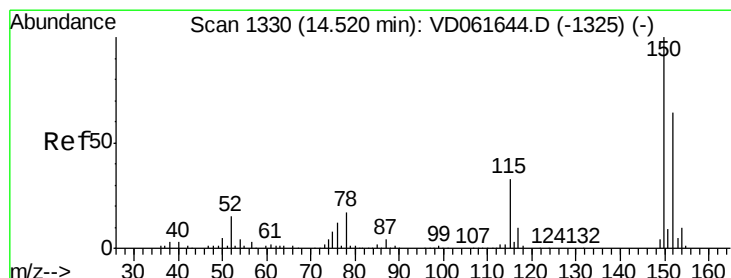
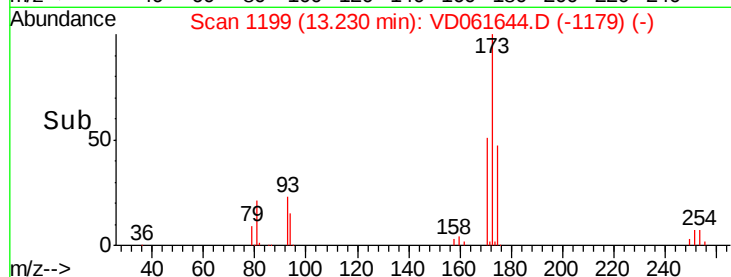
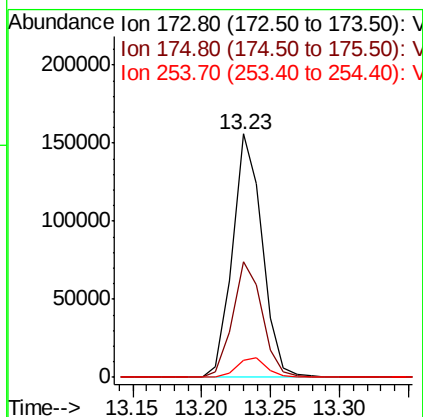
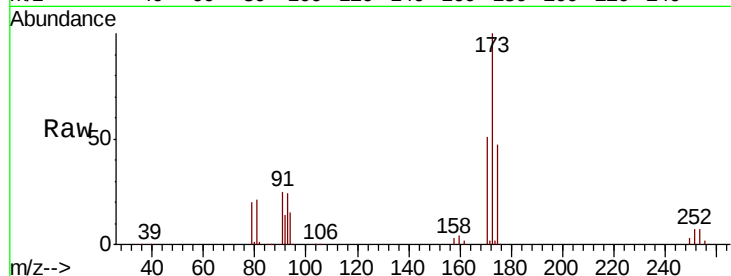




#71
Bromoform
Concen: 49.484 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

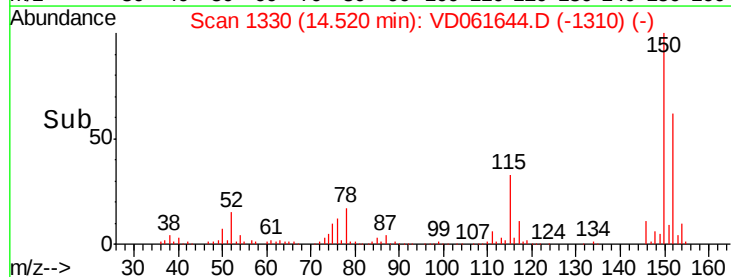
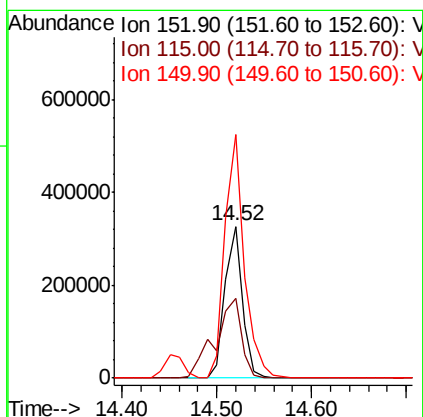
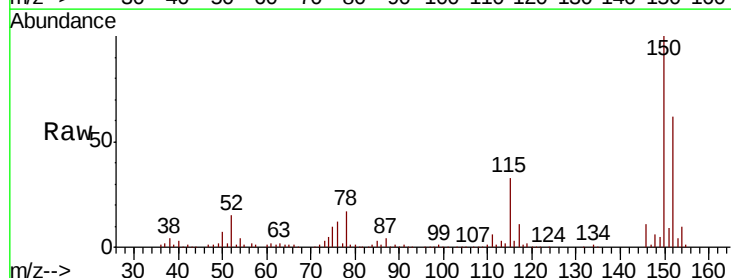
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 233239
Ion Ratio Lower Upper
173 100
175 47.4 23.7 71.1
254 7.2 5.8 8.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:152 Resp: 417646
Ion Ratio Lower Upper
152 100
115 52.8 26.4 79.2
150 160.3 0.0 320.6





#73

Isopropylbenzene

Concen: 50.588 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

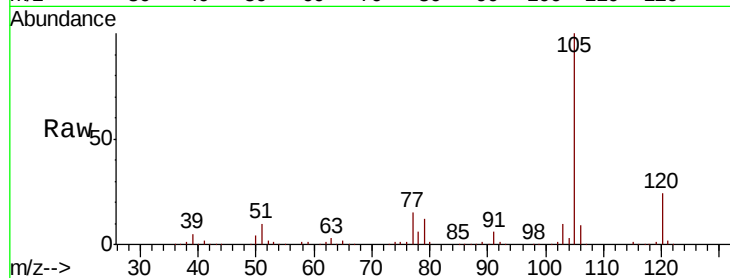
ClientSampleId :

Tot Ion:105 Resp: 1421989

Ion Ratio Lower Upper

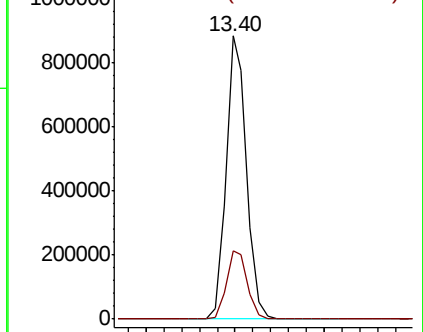
105 100

120 24.3 12.2 36.4

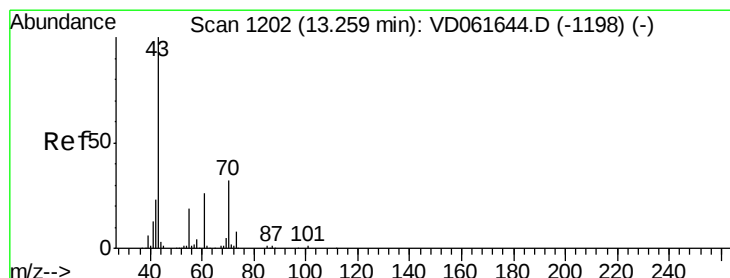
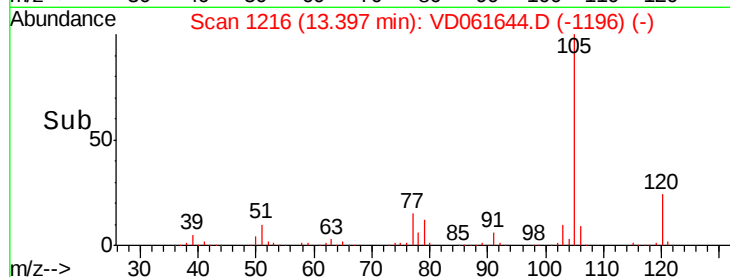


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 56.657 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 43 Resp: 430427

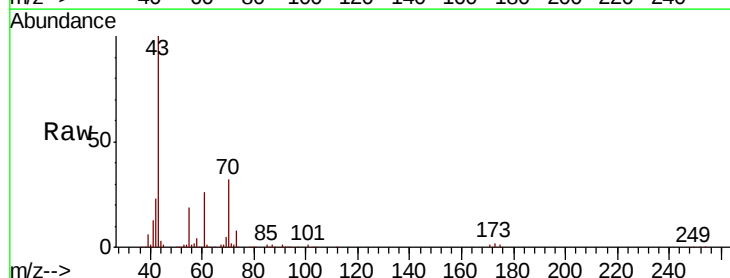
Ion Ratio Lower Upper

43 100

70 31.8 25.4 38.2

55 18.7 15.0 22.4

61 26.1 20.9 31.3

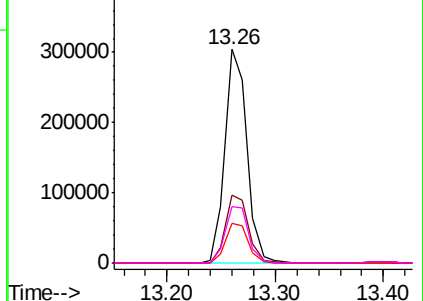


Abundance Ion 42.95 (42.65 to 43.65): VDC

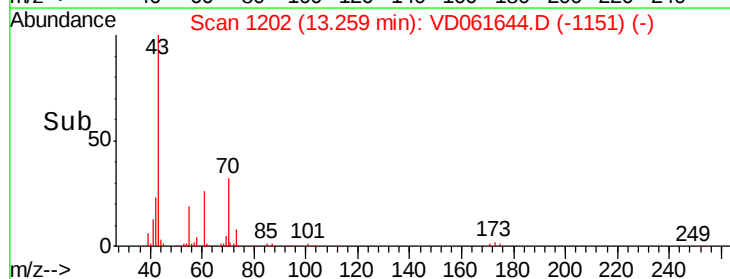
Ion 70.00 (69.70 to 70.70): VDC

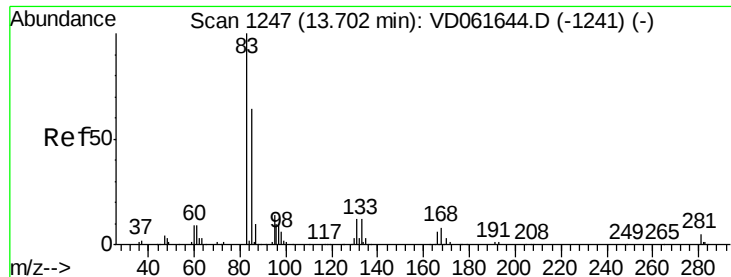
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 55.388 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampled :

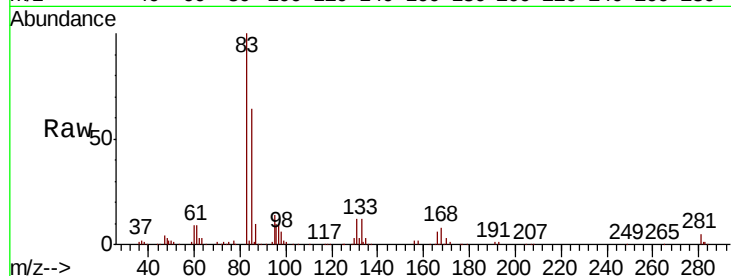
Tot Ion: 83 Resp: 311324

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.6

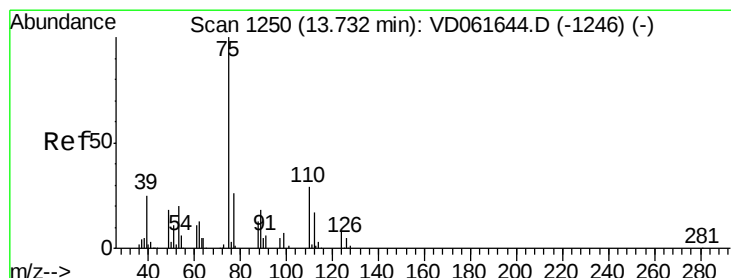
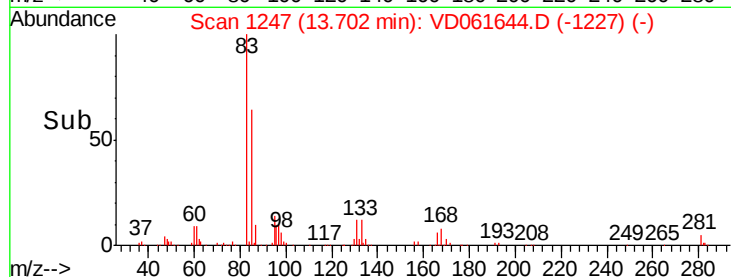
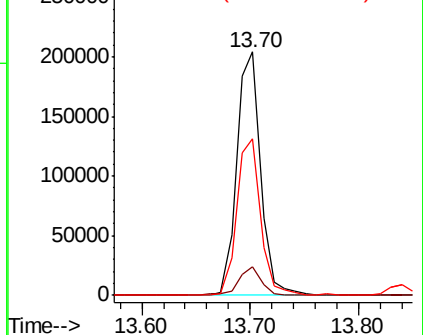
85 64.1 32.0 96.2



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: 56.544 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061644.D

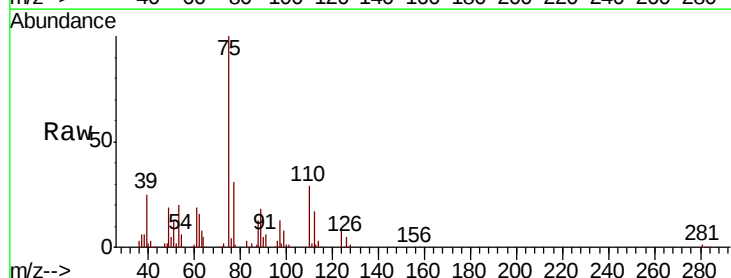
Acq: 6 Apr 2019 15:39

Tgt Ion: 75 Resp: 316892

Ion Ratio Lower Upper

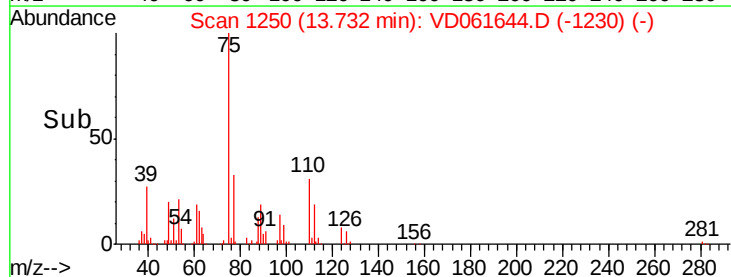
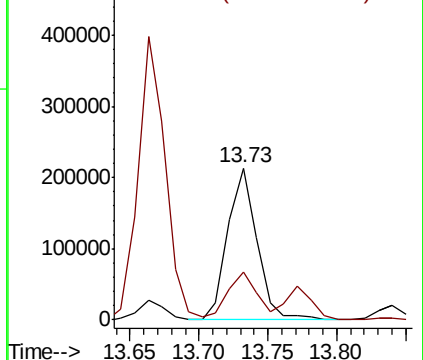
75 100

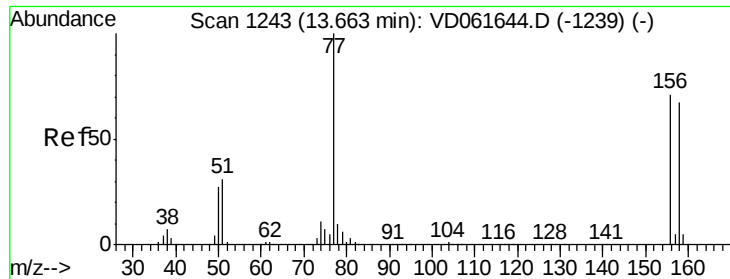
77 31.4 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.065 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampled :

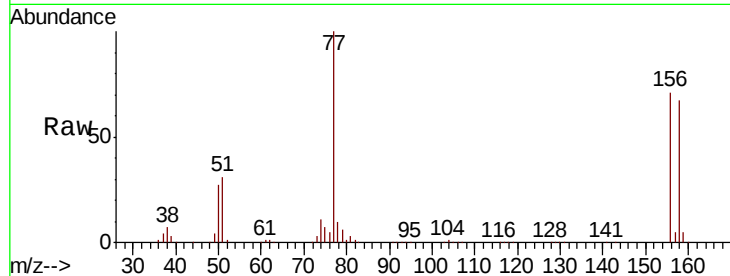
Tot Ion:156 Resp: 445240

Ion Ratio Lower Upper

156 100

77 140.5 70.3 210.8

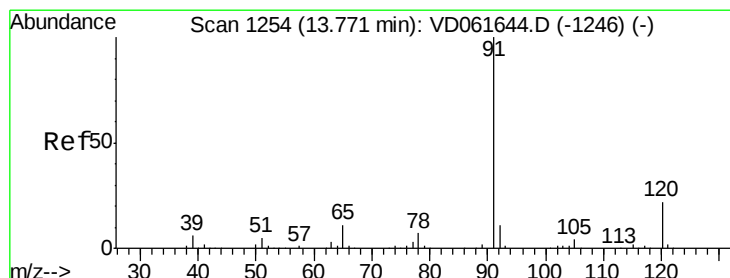
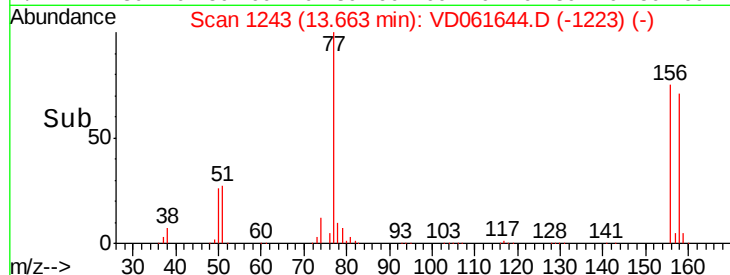
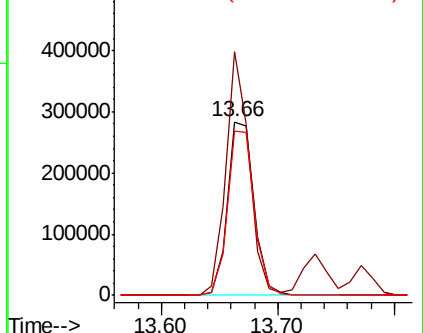
158 94.8 47.4 142.2



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: 50.499 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061644.D

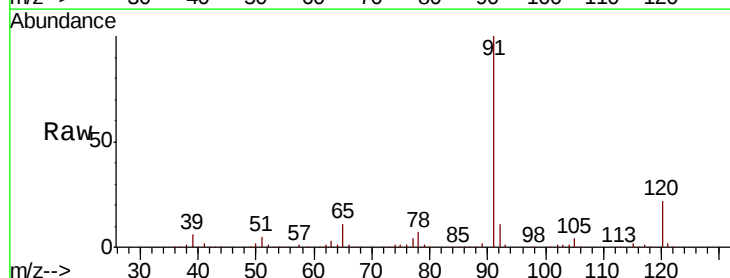
Acq: 6 Apr 2019 15:39

Tgt Ion: 91 Resp: 1669732

Ion Ratio Lower Upper

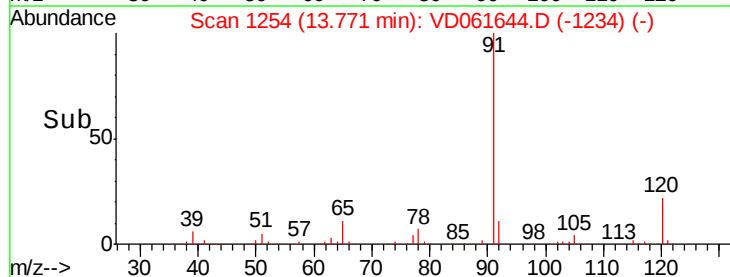
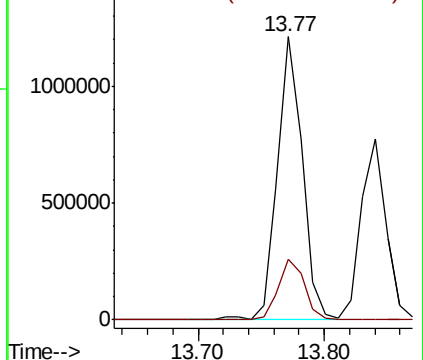
91 100

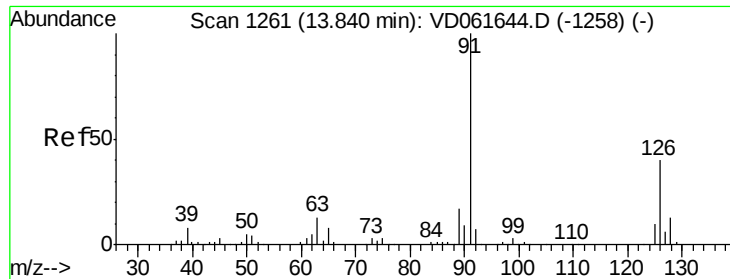
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.584 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

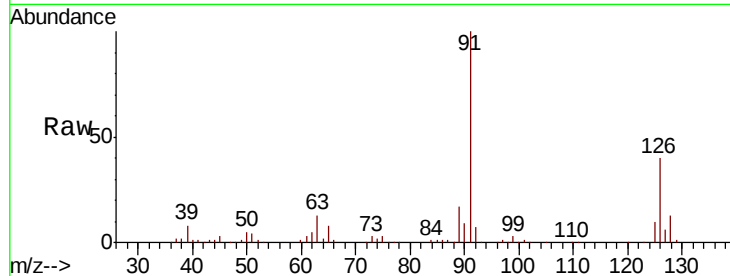
ClientSampleId :

Tot Ion: 91 Resp: 1069856

Ion Ratio Lower Upper

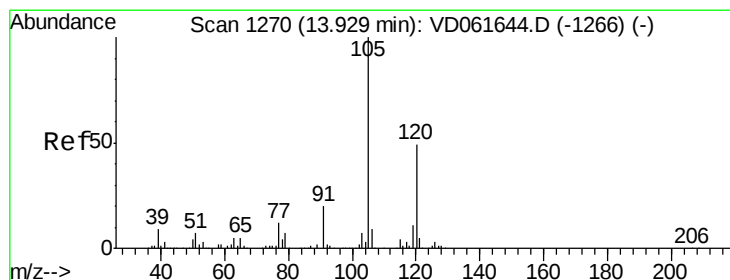
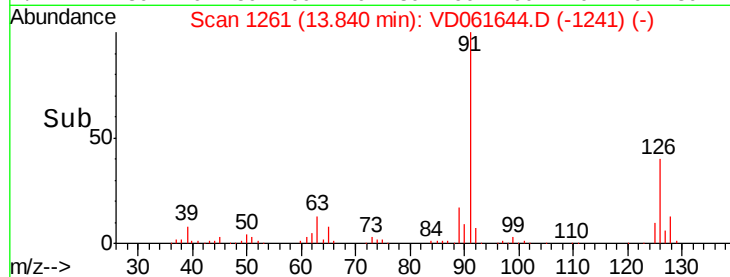
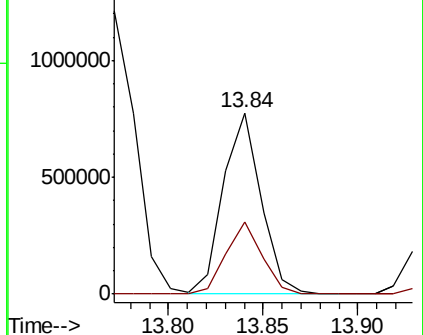
91 100

126 39.9 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: 52.925 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061644.D

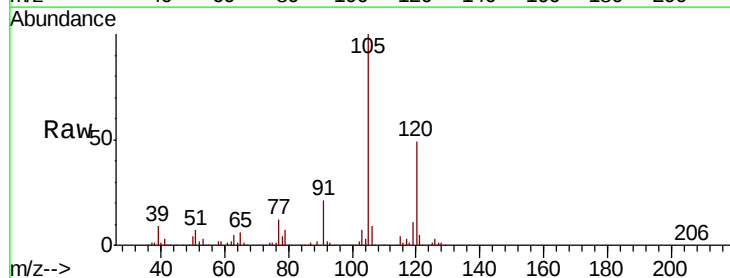
Acq: 6 Apr 2019 15:39

Tgt Ion:105 Resp: 1167567

Ion Ratio Lower Upper

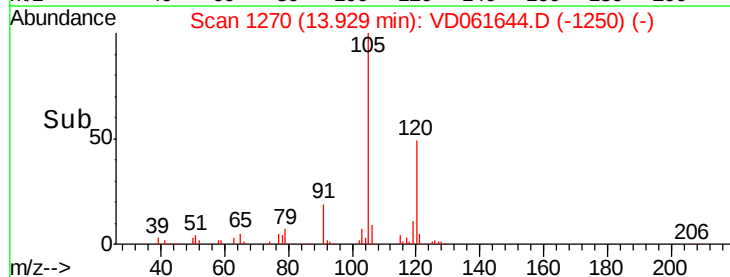
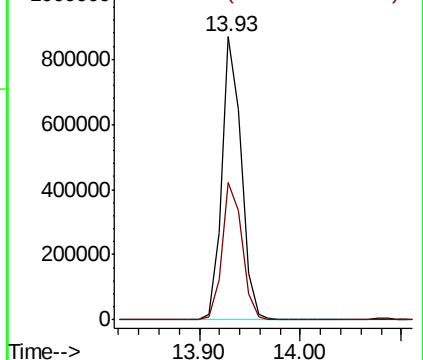
105 100

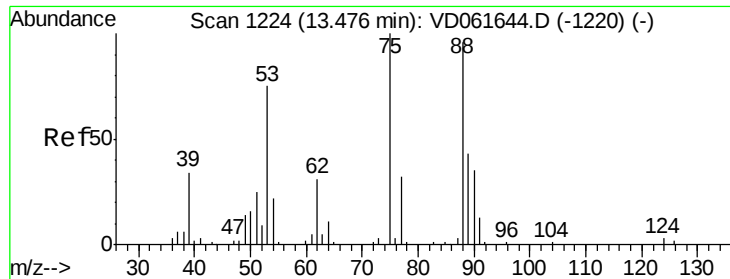
120 48.8 24.4 73.2



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: 54.397 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

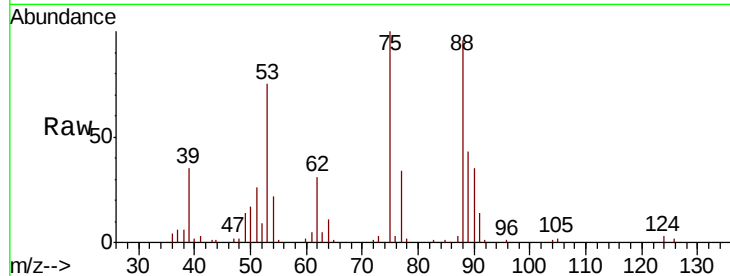
Tot Ion: 75 Resp: 94356

Ion Ratio Lower Upper

75 100

53 75.2 60.2 90.2

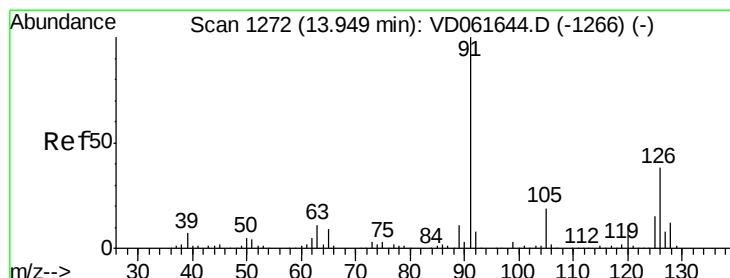
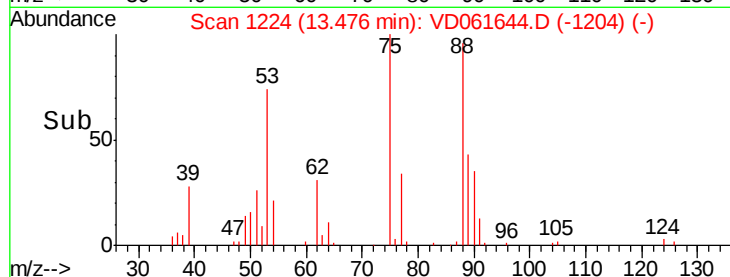
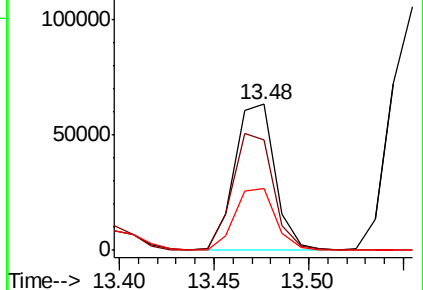
89 42.7 34.2 51.2



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: 53.028 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061644.D

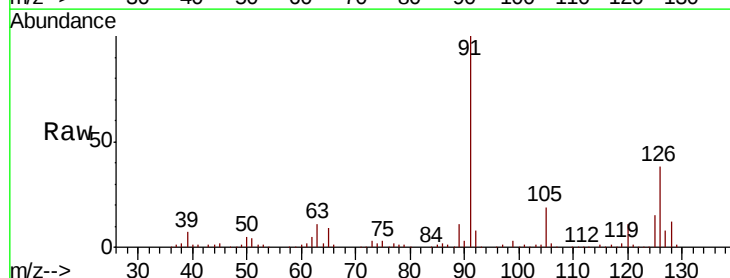
Acq: 6 Apr 2019 15:39

Tgt Ion: 91 Resp: 1095513

Ion Ratio Lower Upper

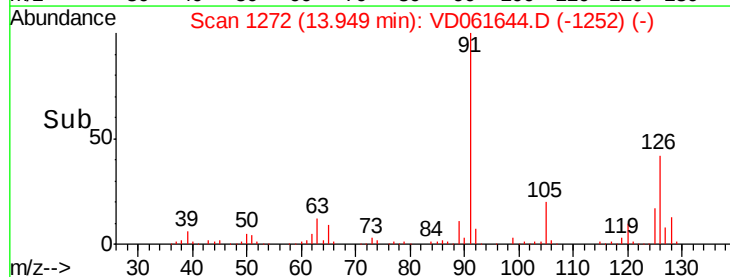
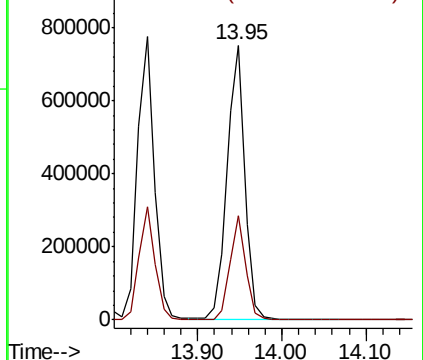
91 100

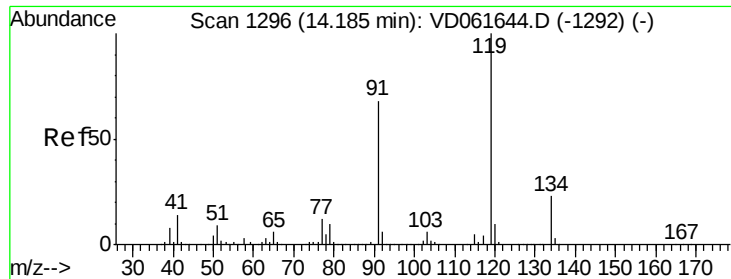
126 38.0 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

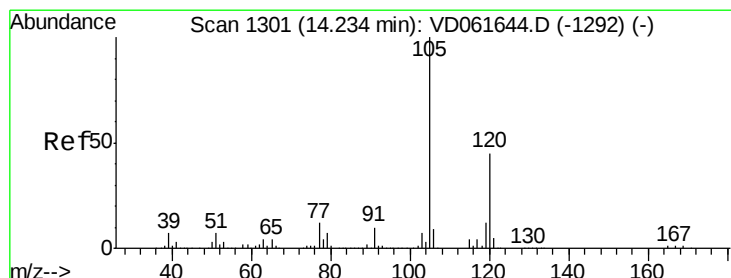
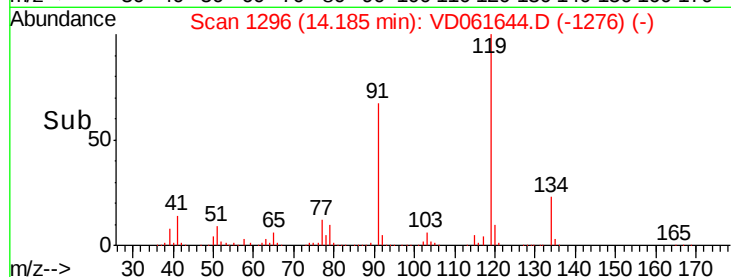
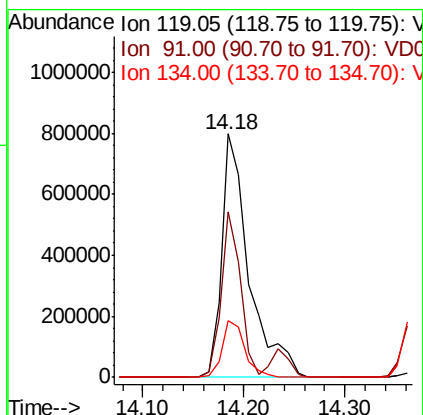
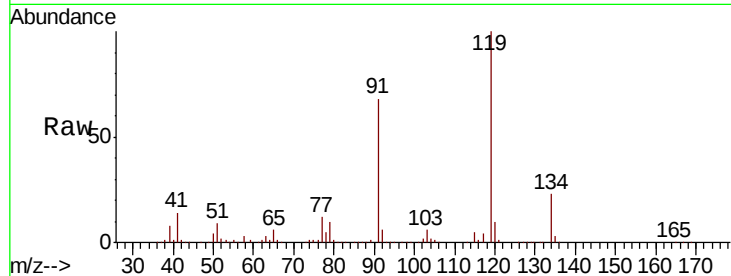




#83
tert-Butylbenzene
Concen: 56.927 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

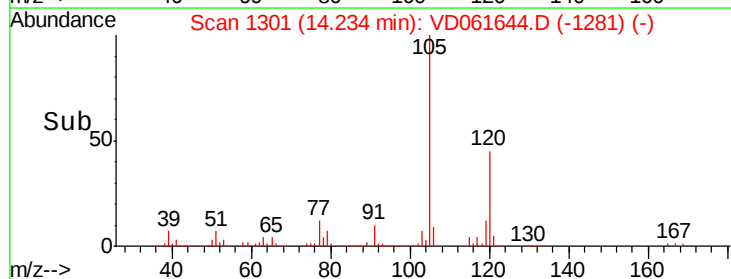
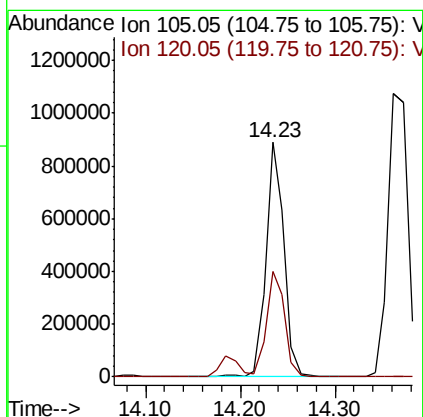
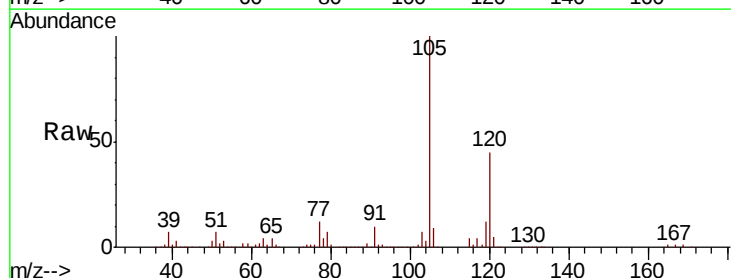
Instrument :
MSVOA_D
ClientSampled :

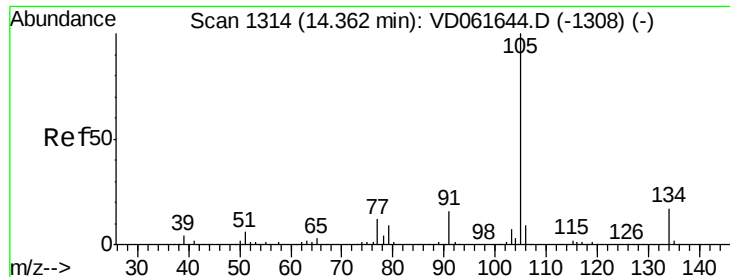
Tot Ion:119 Resp: 1502486
Ion Ratio Lower Upper
119 100
91 67.7 33.9 101.6
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 52.206 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:105 Resp: 1183504
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.8





#85

sec-Butylbenzene

Concen: 55.638 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

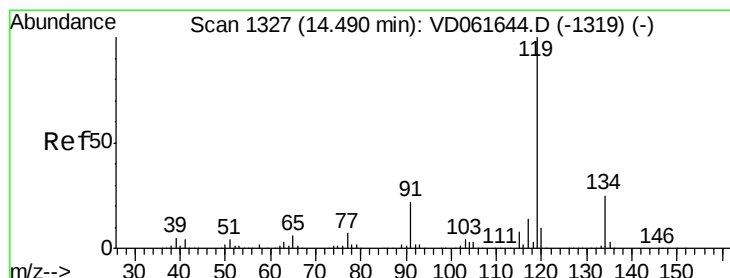
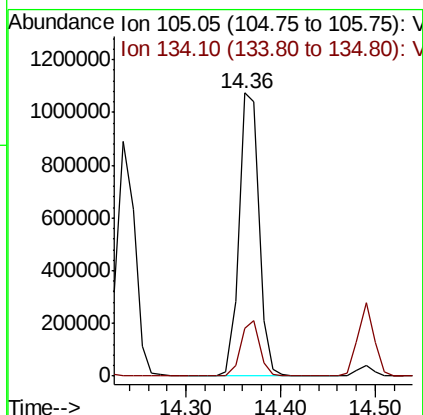
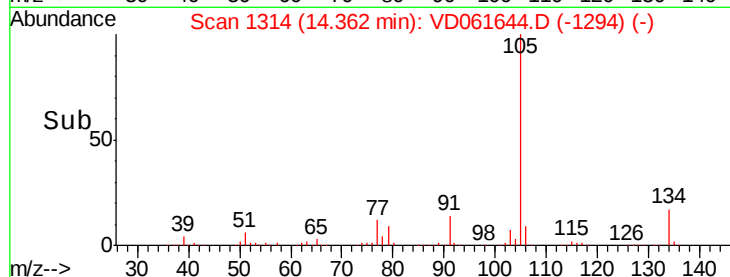
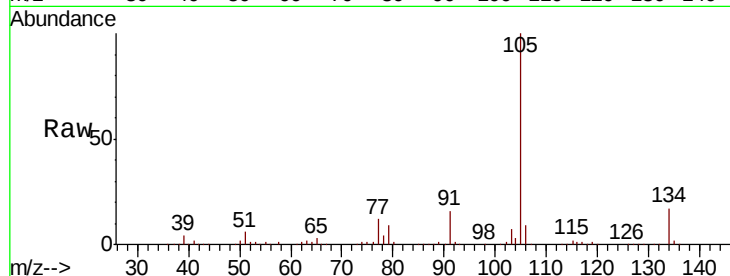
ClientSampleId :

Tot Ion:105 Resp: 1568443

Ion Ratio Lower Upper

105 100

134 17.1 8.6 25.7



#86

p-Isopropyltoluene

Concen: 52.391 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

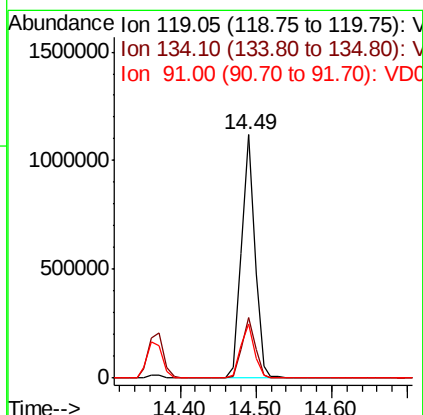
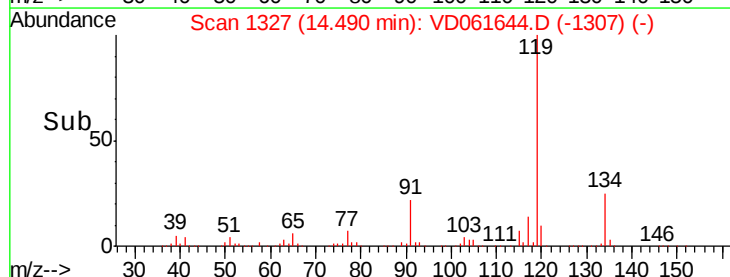
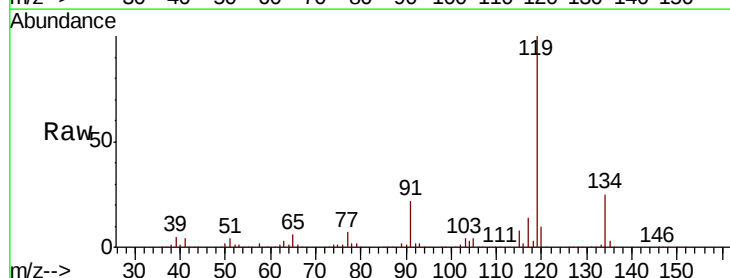
Tgt Ion:119 Resp: 1362517

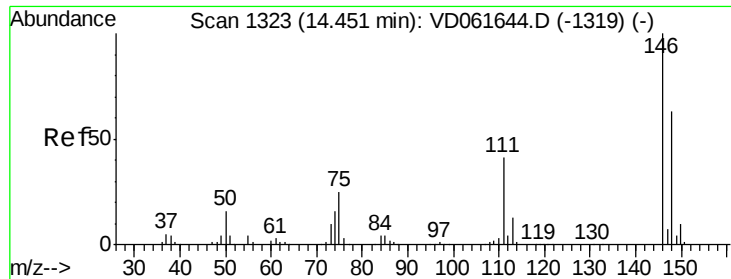
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 22.0 11.0 33.0

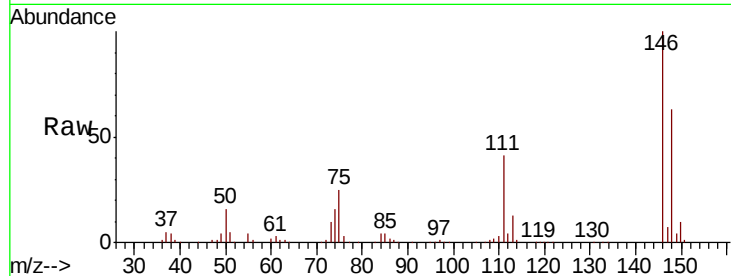




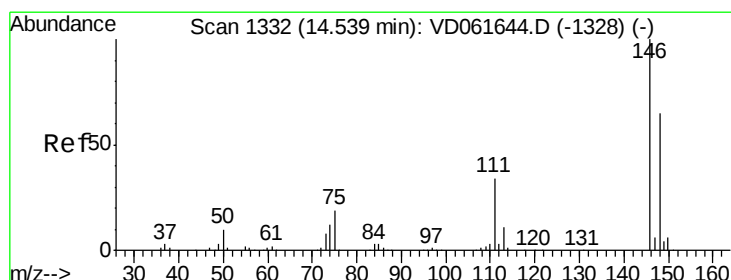
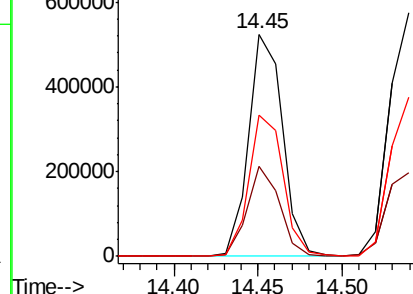
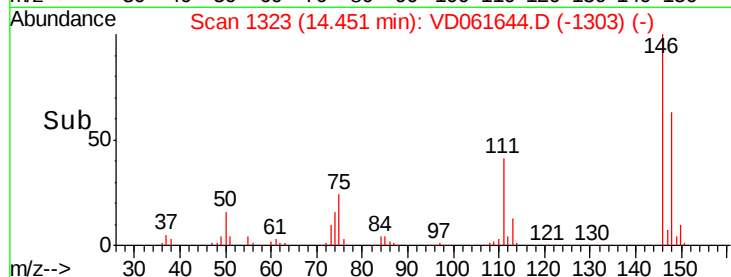
#87
 1,3-Dichlorobenzene
 Concen: 52.493 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 736221
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 63.4 31.7 95.1

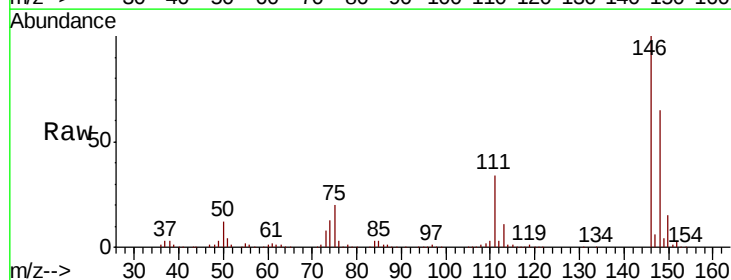


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

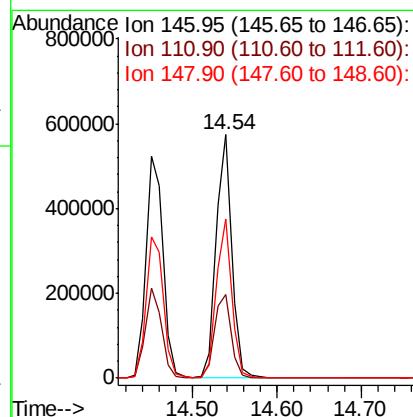
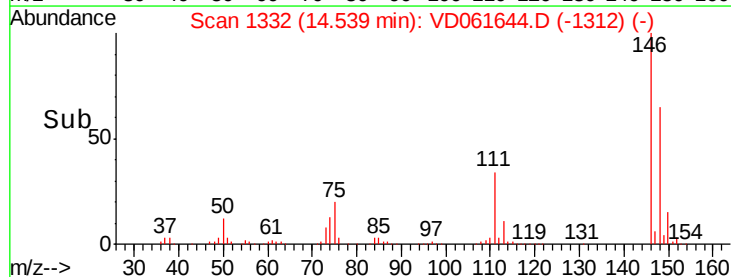


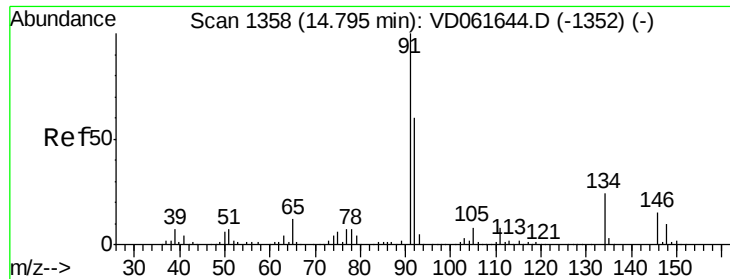
#88
 1,4-Dichlorobenzene
 Concen: 53.370 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion:146 Resp: 741406
 Ion Ratio Lower Upper
 146 100
 111 34.1 17.1 51.2
 148 65.1 32.6 97.7



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





#89

n-Butylbenzene

Concen: 51.678 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

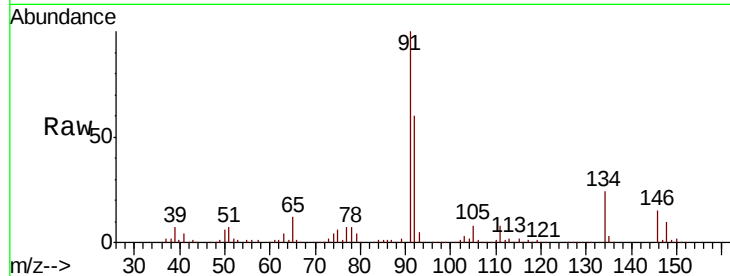
Tot Ion: 91 Resp: 1153803

Ion Ratio Lower Upper

91 100

92 59.6 29.8 89.4

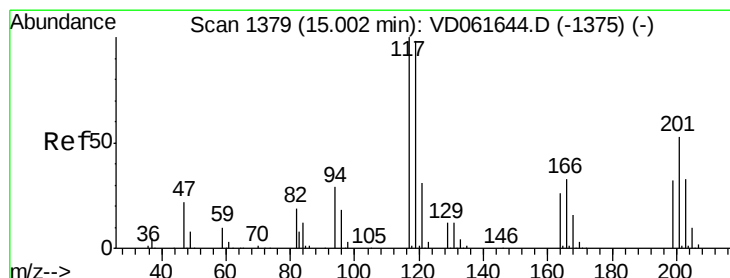
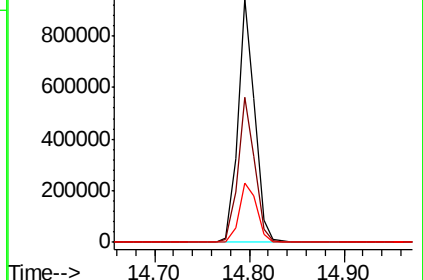
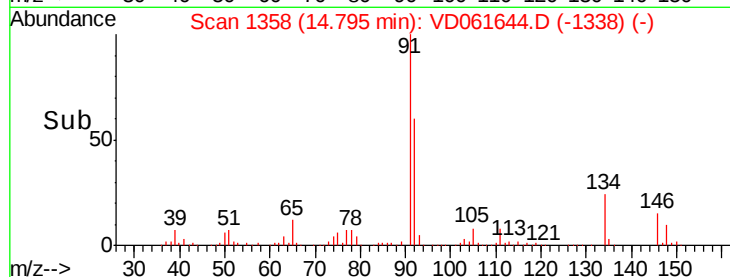
134 24.3 12.2 36.4



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: 54.740 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061644.D

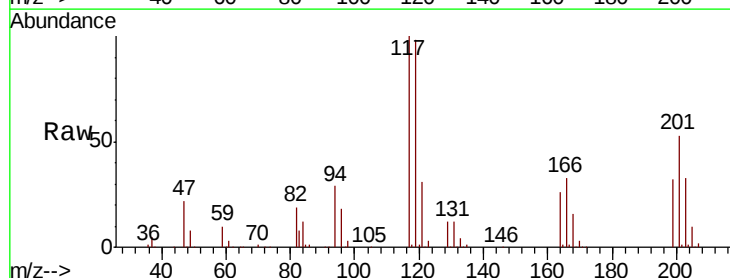
Acq: 6 Apr 2019 15:39

Tgt Ion: 117 Resp: 367467

Ion Ratio Lower Upper

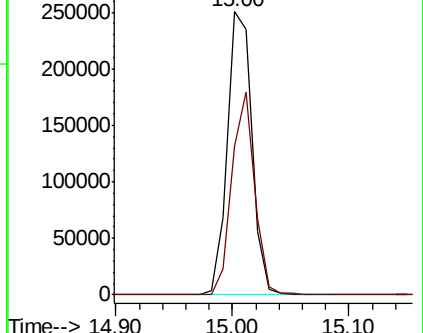
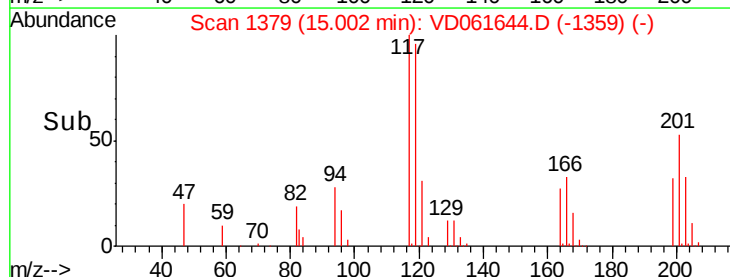
117 100

201 52.5 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

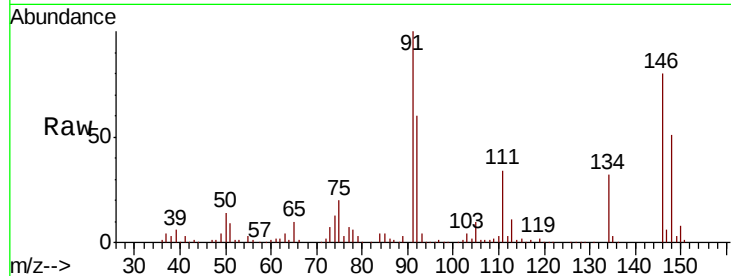




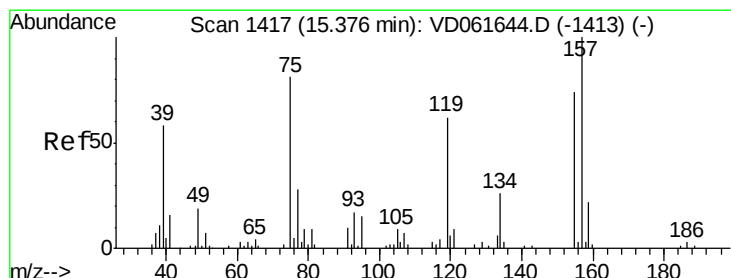
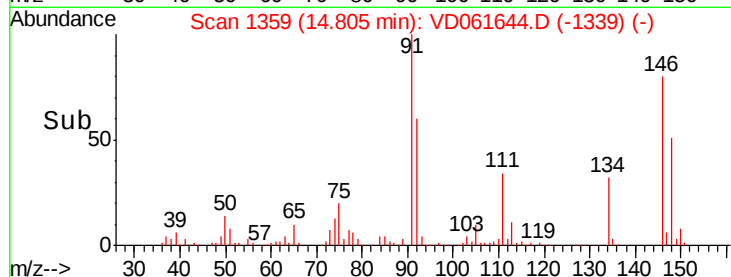
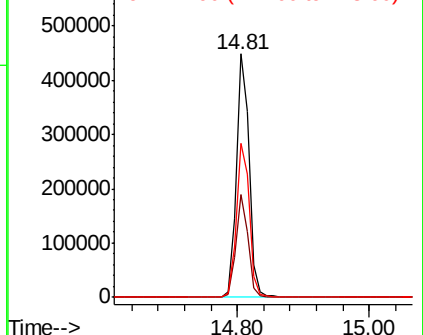
#91
 1,2-Dichlorobenzene
 Concen: 53.151 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 611294
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.3
 148 63.4 31.7 95.1

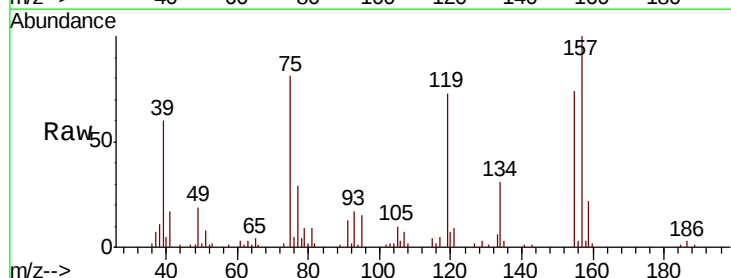


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

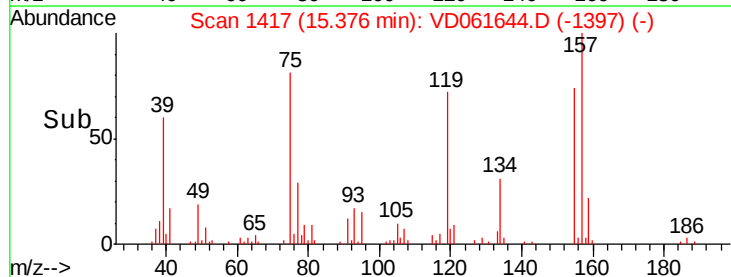
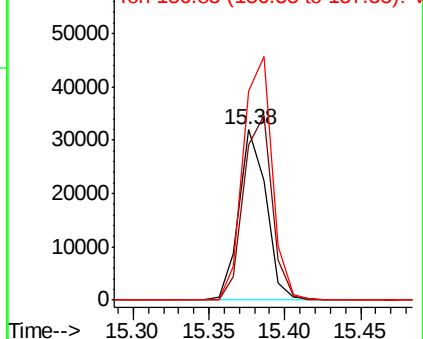


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.917 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 75 Resp: 40026
 Ion Ratio Lower Upper
 75 100
 155 91.1 45.6 136.7
 157 122.8 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

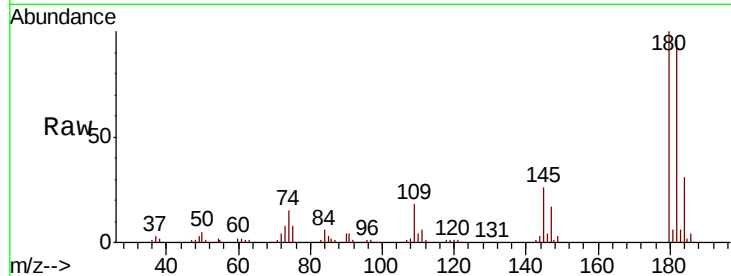




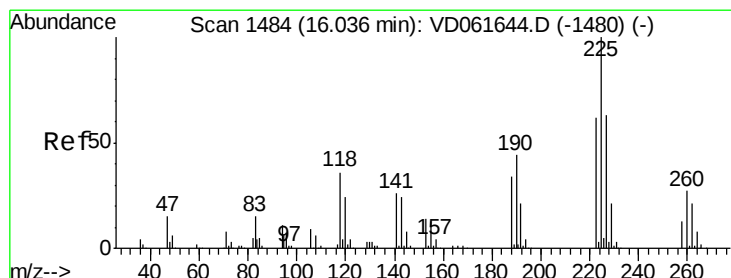
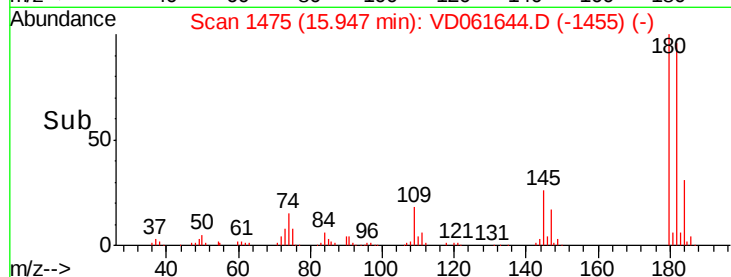
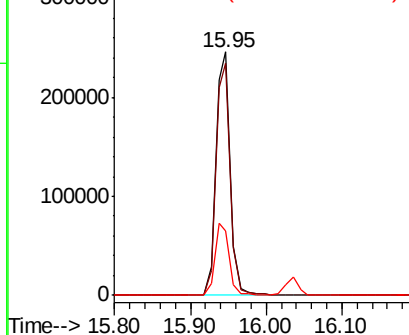
#93
 1,2,4-Trichlorobenzene
 Concen: 57.123 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 332364
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 26.5 13.3 39.8

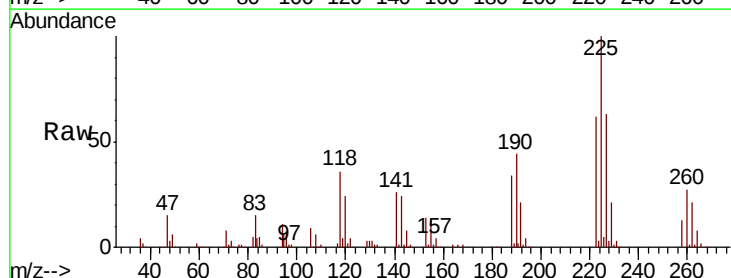


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

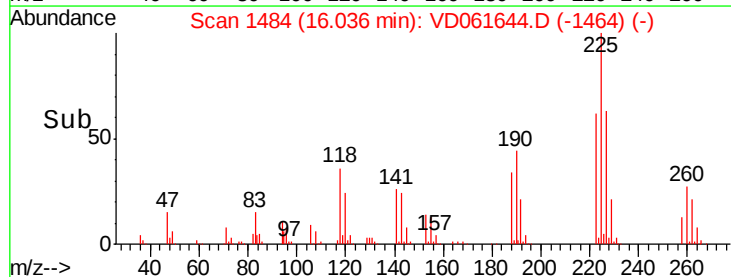
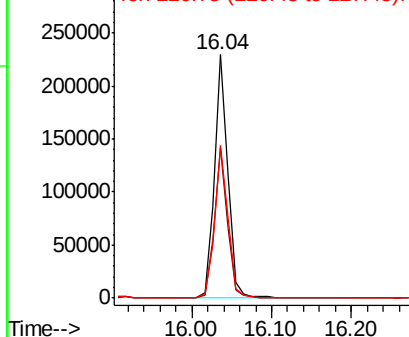


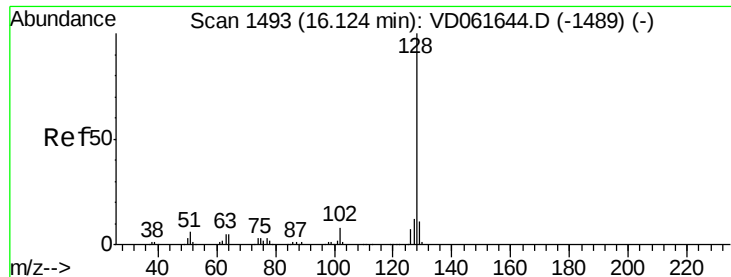
#94
 Hexachlorobutadiene
 Concen: 60.956 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion:225 Resp: 272907
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.8 92.3
 227 63.0 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

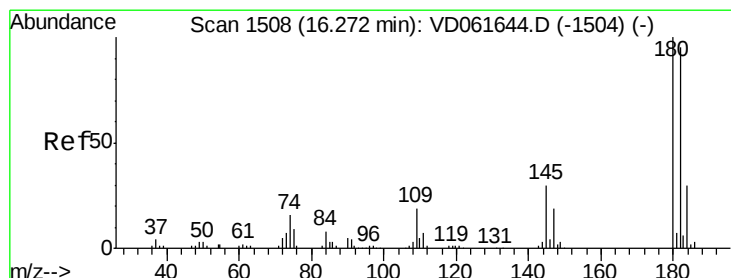
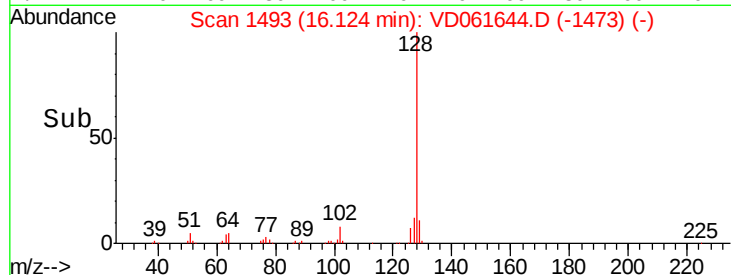
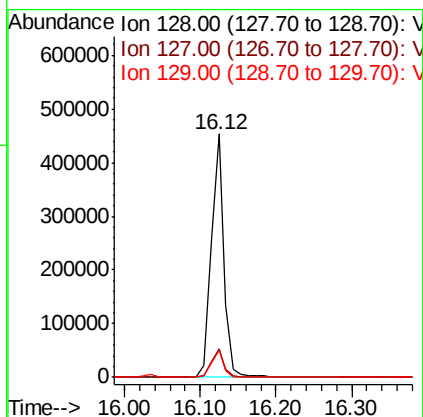
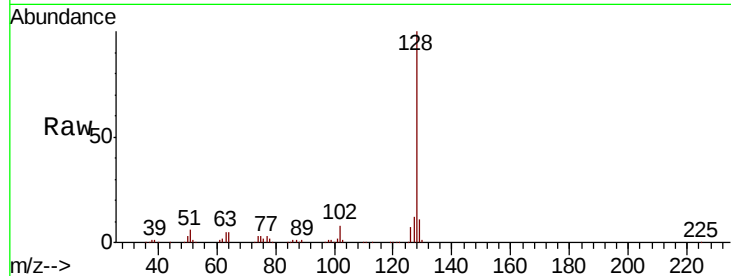




#95
Naphthalene
Concen: 58.201 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 534067
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 62.847 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:180 Resp: 181057
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 30.2 15.1 45.3

