

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061626.D
 Acq On : 5 Apr 2019 17:40
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Quant Time: Apr 06 00:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	468273	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	800165	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	682710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	320643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	251324	62.83	ug/l	0.00
Spiked Amount			Recovery	=	125.66%	
35) Dibromofluoromethane	6.91	113	362502	59.28	ug/l	0.01
Spiked Amount			Recovery	=	118.56%	
50) Toluene-d8	10.40	98	798483	54.45	ug/l	0.01
Spiked Amount			Recovery	=	108.90%	
62) 4-Bromofluorobenzene	13.55	95	340799	60.60	ug/l	0.00
Spiked Amount			Recovery	=	121.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	112789	22.554	ug/l	98
3) Chloromethane	1.75	50	96879	23.753	ug/l	99
4) Vinyl Chloride	1.85	62	88905	23.741	ug/l	96
5) Bromomethane	2.15	94	17775	23.937	ug/l	94
6) Chloroethane	2.25	64	24238	22.071	ug/l #	85
7) Trichlorofluoromethane	2.52	101	141920	26.062	ug/l	99
8) Diethyl Ether	2.86	74	40003	22.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	140347	23.973	ug/l	97
10) Methyl Iodide	3.30	142	165435	20.766	ug/l	98
11) Tert butyl alcohol	4.05	59	31061	124.684	ug/l	99
12) 1,1-Dichloroethene	3.12	96	121630	24.199	ug/l	94
13) Acrolein	3.01	56	14763	60.401	ug/l	98
14) Allyl chloride	3.60	41	153976	21.964	ug/l	94
15) Acrylonitrile	4.18	53	102530	118.581	ug/l	98
16) Acetone	3.21	43	124470	121.043	ug/l	97
17) Carbon Disulfide	3.37	76	344601	21.102	ug/l	100
18) Methyl Acetate	3.62	43	57785	26.727	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	212437	24.417	ug/l	98
20) Methylene Chloride	3.80	84	140607	23.387	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	124968	23.029	ug/l	95
22) Diisopropyl ether	5.10	45	357580	24.103	ug/l	100
23) Vinyl Acetate	5.03	43	954119	118.400	ug/l	97
24) 1,1-Dichloroethane	4.96	63	212286	24.349	ug/l	99
25) 2-Butanone	6.04	43	160512	124.089	ug/l	99
26) 2,2-Dichloropropane	6.01	77	173678	25.059	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	145089	24.403	ug/l	93
28) Bromochloromethane	6.41	49	79676	22.639	ug/l	86
29) Tetrahydrofuran	6.43	42	75142	119.850	ug/l	99
30) Chloroform	6.64	83	237581	26.373	ug/l	99
31) Cyclohexane	6.94	56	150565	21.854	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	195000	24.536	ug/l	98
36) 1,1-Dichloropropene	7.13	75	172470	24.696	ug/l	97
37) Ethyl Acetate	6.16	43	71757	24.025	ug/l	98
38) Carbon Tetrachloride	7.09	117	195446	24.355	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	161303	22.177	ug/l	98
40) Benzene	7.43	78	418680	23.888	ug/l	96
41) Methacrylonitrile	6.42	41	87420	25.033	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	140604	26.819	ug/l	96
43) Isopropyl Acetate	9.21	43	100776	23.190	ug/l	97
44) Trichloroethene	8.53	130	149775	22.962	ug/l	97
45) 1,2-Dichloropropane	8.92	63	102509	23.065	ug/l	99
46) Dibromomethane	9.05	93	78116	26.114	ug/l	97
47) Bromodichloromethane	9.35	83	158585	23.620	ug/l	99
48) Methyl methacrylate	9.11	41	59504	24.811	ug/l	97
49) 1,4-Dioxane	9.06	88	12420	469.510	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	322842	122.110	ug/l	96
52) Toluene	10.49	92	281477	26.324	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	151637	24.858	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	165798	22.321	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	89041	23.811	ug/l	96
56) Ethyl methacrylate	11.03	69	103650	25.801	ug/l	98
57) 1,3-Dichloropropane	11.39	76	141054	25.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	269554	137.783	ug/l	95
59) 2-Hexanone	11.52	43	251190	131.132	ug/l	99
60) Dibromochloromethane	11.67	129	146267	25.372	ug/l	98
61) 1,2-Dibromoethane	11.79	107	108294	25.009	ug/l	94
64) Tetrachloroethene	11.24	164	122893	22.936	ug/l	97
65) Chlorobenzene	12.38	112	340970	24.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	134944	24.979	ug/l	98
67) Ethyl Benzene	12.51	91	540028	25.358	ug/l	96
68) m/p-Xylenes	12.66	106	400820	49.685	ug/l	93
69) o-Xylene	13.03	106	169103	21.601	ug/l	92
70) Styrene	13.06	104	297760	21.819	ug/l	98
71) Bromoform	13.22	173	83514	24.387	ug/l #	96
73) Isopropylbenzene	13.39	105	567112	25.412	ug/l	97
74) N-amyl acetate	13.25	43	128138	20.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	105727	22.459	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	103632	22.374	ug/l	99
77) Bromobenzene	13.66	156	144082	21.778	ug/l	82
78) n-propylbenzene	13.76	91	581874	21.306	ug/l	94
79) 2-Chlorotoluene	13.83	91	344253	23.215	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	423646	24.467	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	32717	23.167	ug/l	96
82) 4-Chlorotoluene	13.94	91	404475	25.086	ug/l	96
83) tert-Butylbenzene	14.18	119	484844	22.406	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	443374	23.652	ug/l	98
85) sec-Butylbenzene	14.35	105	506442	22.031	ug/l	97
86) p-Isopropyltoluene	14.48	119	436244	22.442	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	257476	22.982	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	247464	22.650	ug/l	99
89) n-Butylbenzene	14.79	91	406596	22.789	ug/l	98
90) Hexachloroethane	15.00	117	113431	20.655	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	222623	24.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12455	22.558	ug/l #	57

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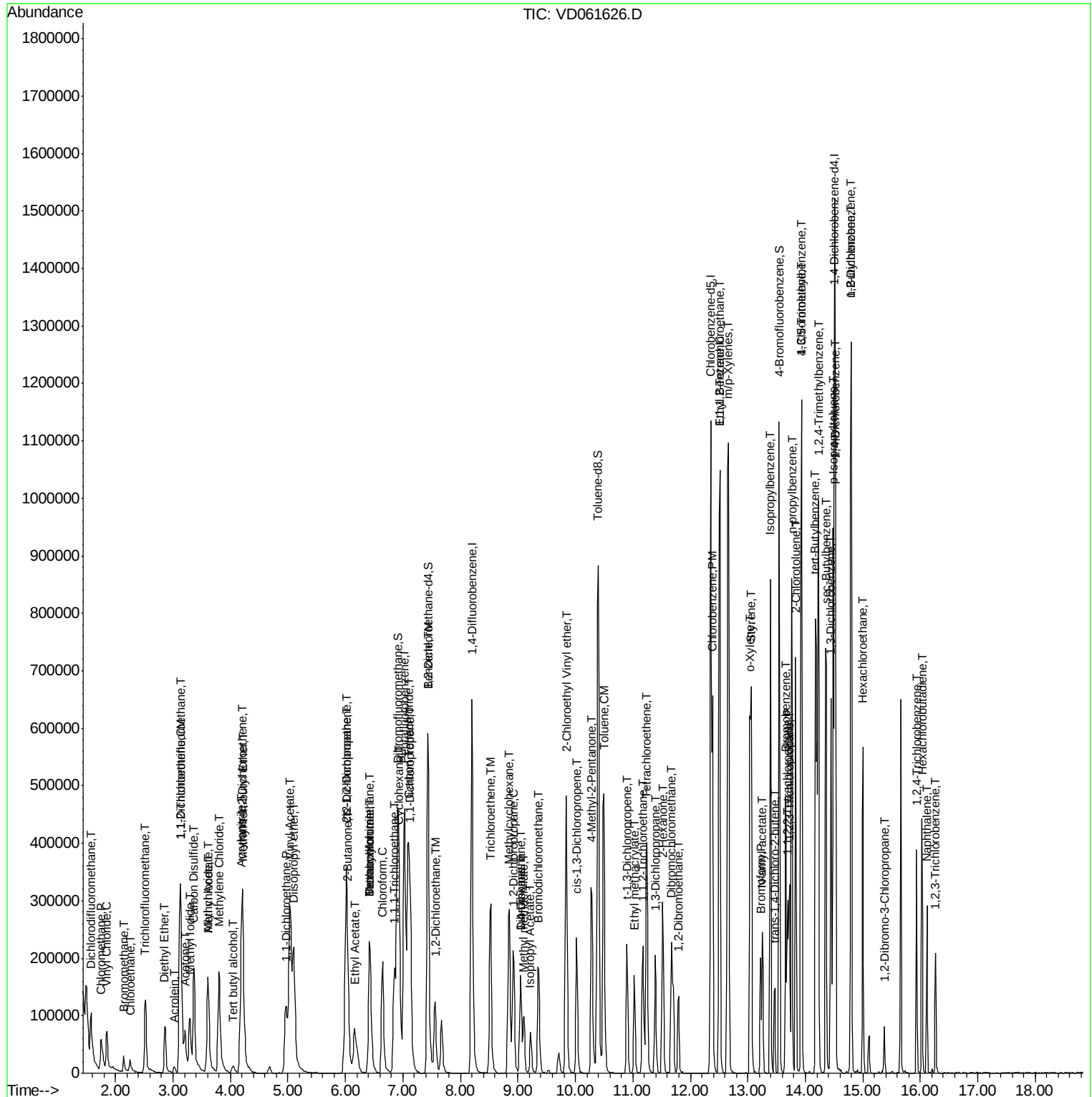
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	94937	22.679	ug/l	98
94) Hexachlorobutadiene	16.03	225	69855	21.355	ug/l	97
95) Naphthalene	16.12	128	172592	27.049	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	49933	27.107	ug/l	92

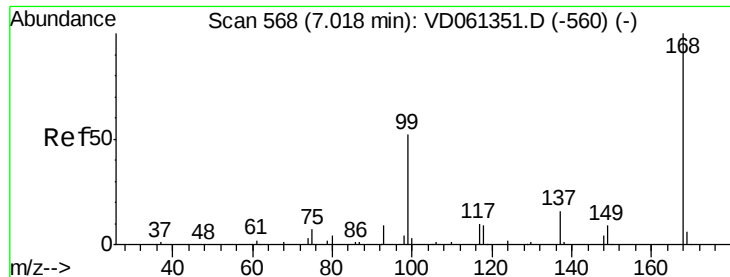
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

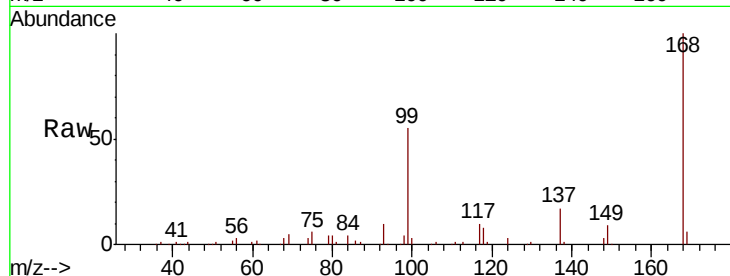
VD0405SBS01

Tot Ion:168 Resp: 468273

Ion Ratio Lower Upper

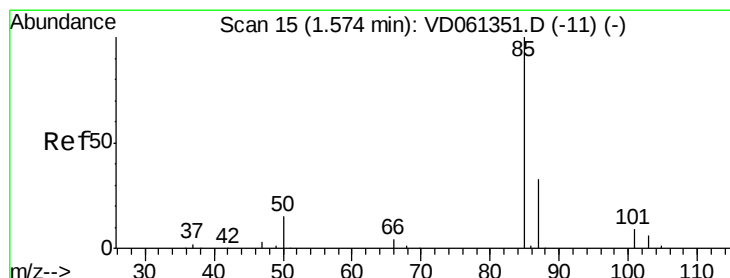
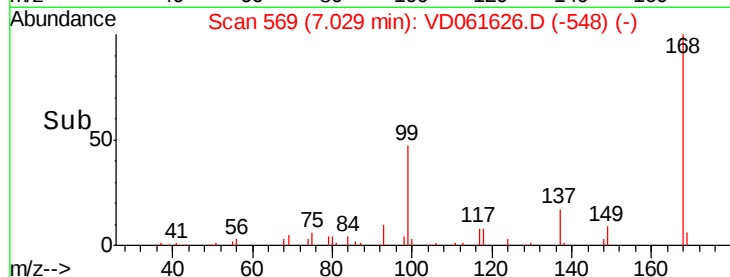
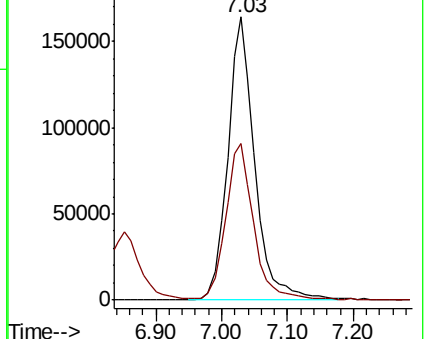
168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.554 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061626.D

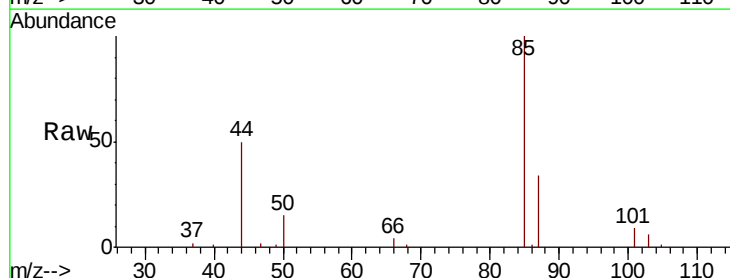
Acq: 5 Apr 2019 17:40

Tgt Ion: 85 Resp: 112789

Ion Ratio Lower Upper

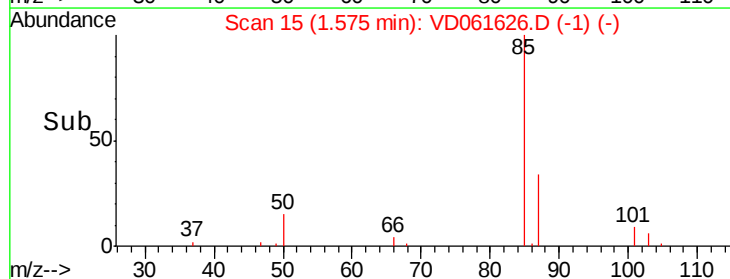
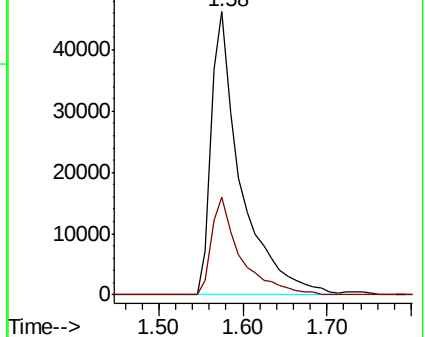
85 100

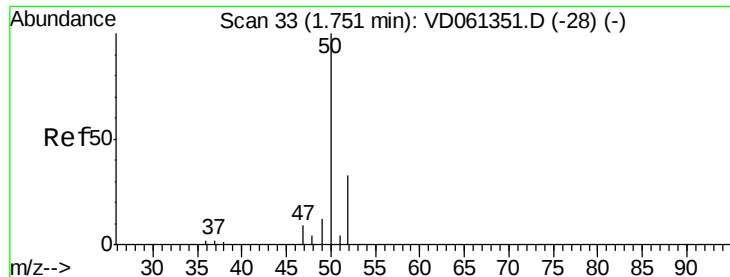
87 34.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.753 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

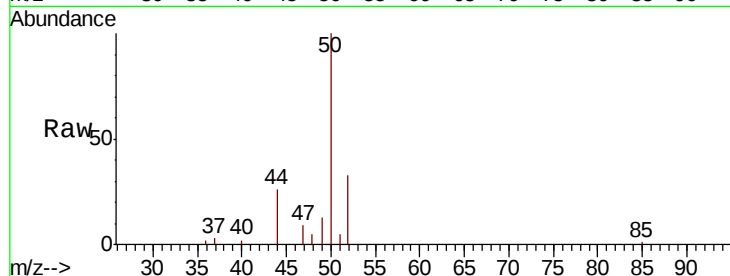
VD0405SBS01

Tot Ion: 50 Resp: 96879

Ion Ratio Lower Upper

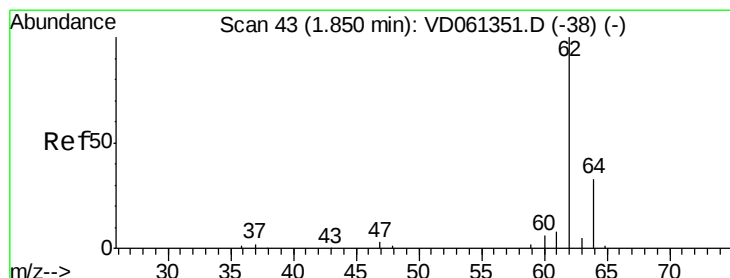
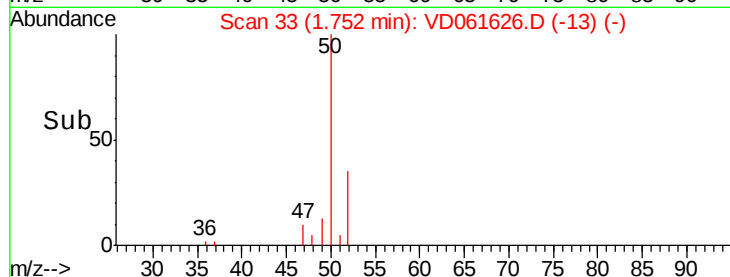
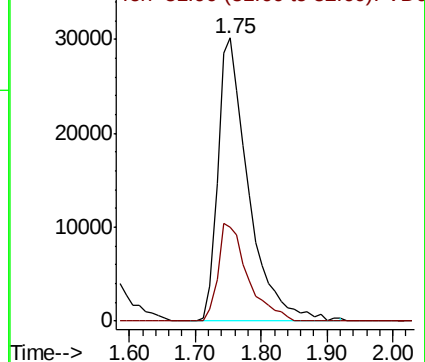
50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.741 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061626.D

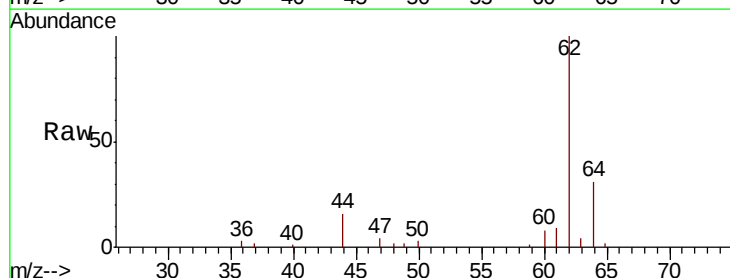
Acq: 5 Apr 2019 17:40

Tgt Ion: 62 Resp: 88905

Ion Ratio Lower Upper

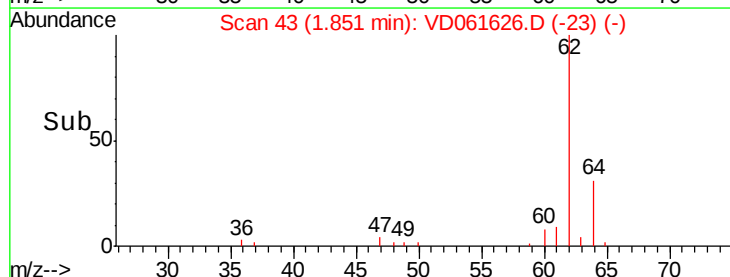
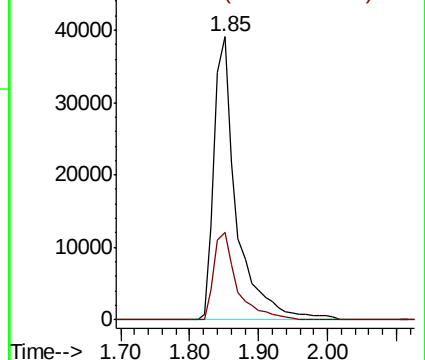
62 100

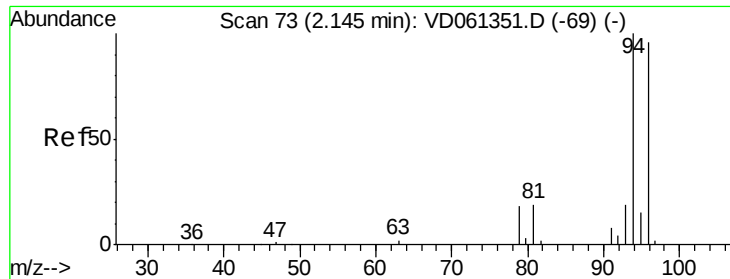
64 31.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.937 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

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VD0405SBS01

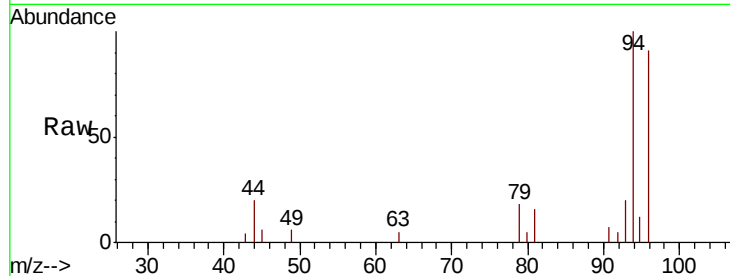
Tot Ion: 94 Resp: 17775

Ion Ratio Lower Upper

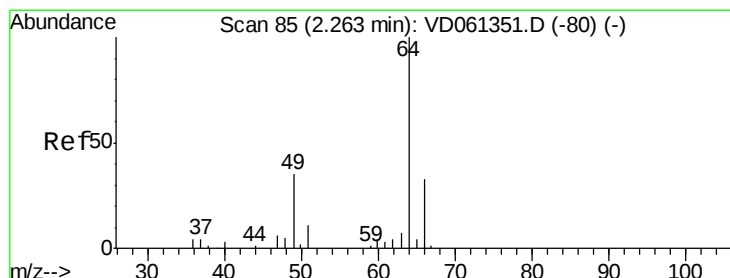
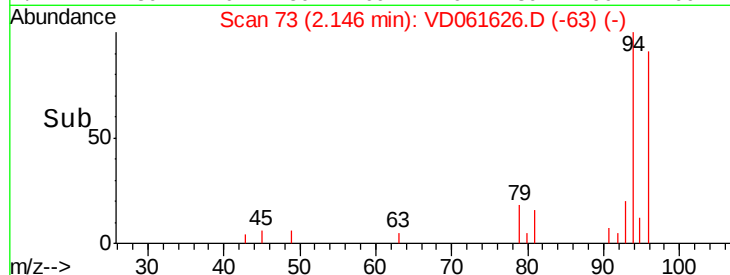
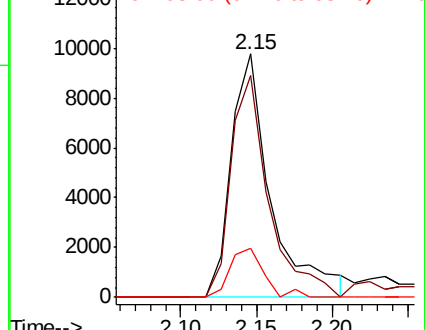
94 100

96 91.0 78.3 117.5

93 20.1 15.6 23.4



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: 22.071 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061626.D

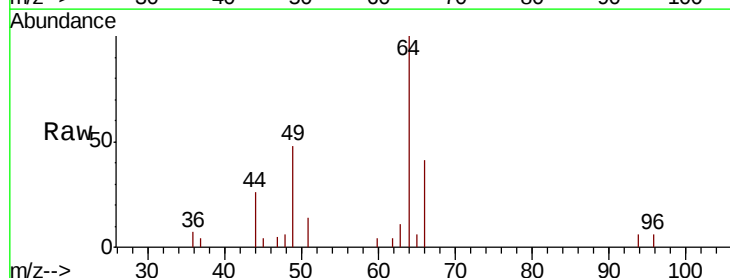
Acq: 5 Apr 2019 17:40

Tgt Ion: 64 Resp: 24238

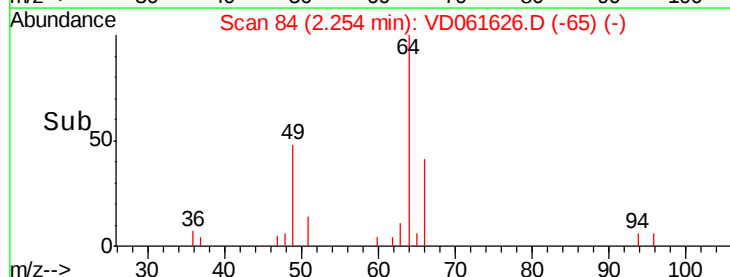
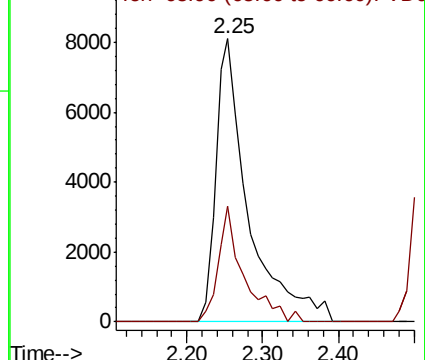
Ion Ratio Lower Upper

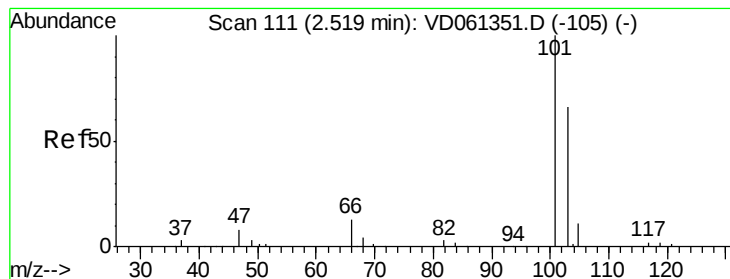
64 100

66 40.9 26.2 39.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



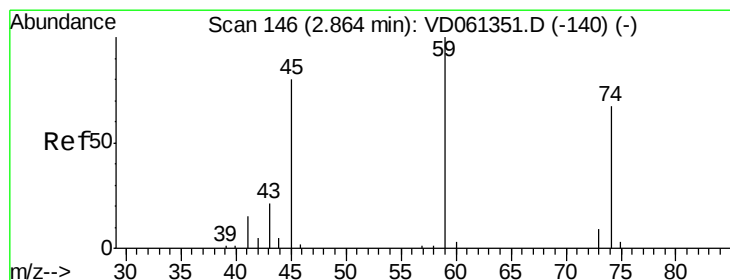
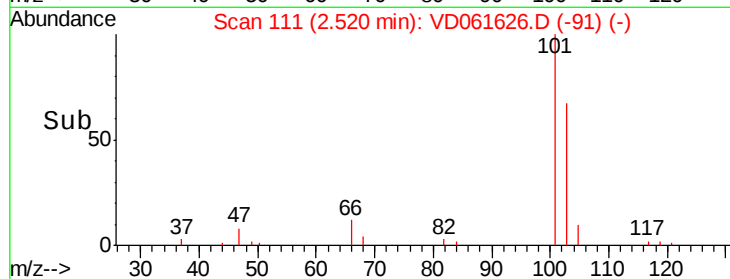
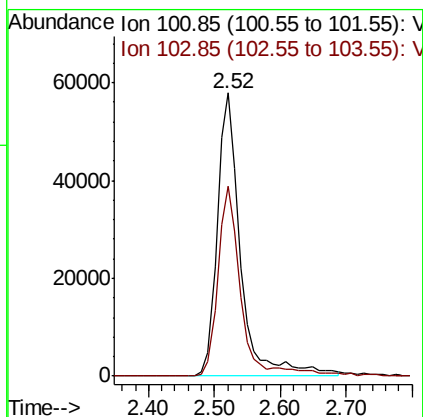
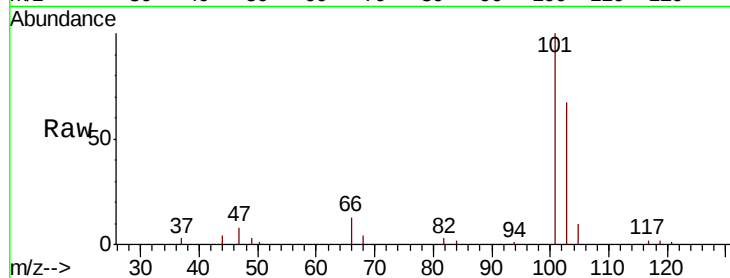


#7

Trichlorofluoromethane
 Concen: 26.062 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
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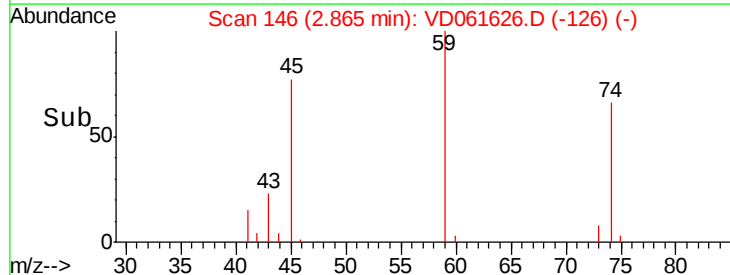
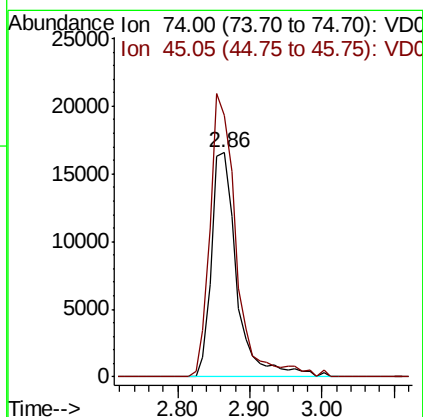
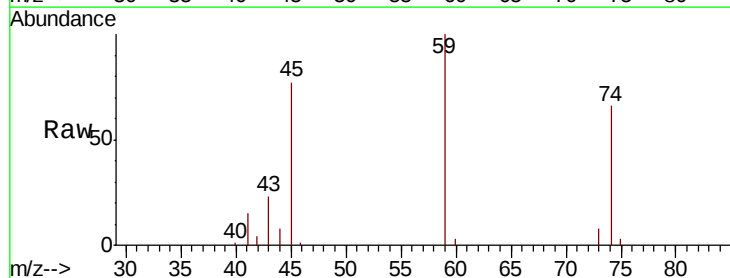
Tot Ion:101 Resp: 141920
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.1 79.7

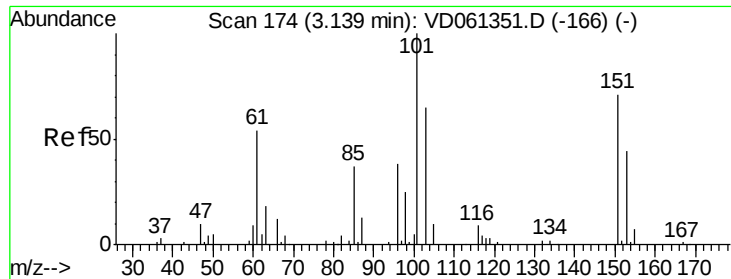


#8

Diethyl Ether
 Concen: 22.816 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 74 Resp: 40003
 Ion Ratio Lower Upper
 74 100
 45 116.8 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.973 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

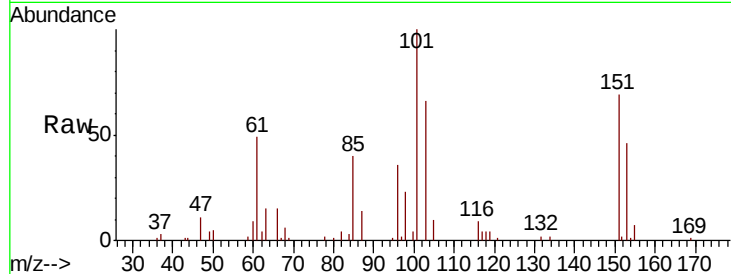
Tot Ion:101 Resp: 140347

Ion Ratio Lower Upper

101 100

85 40.0 29.4 44.0

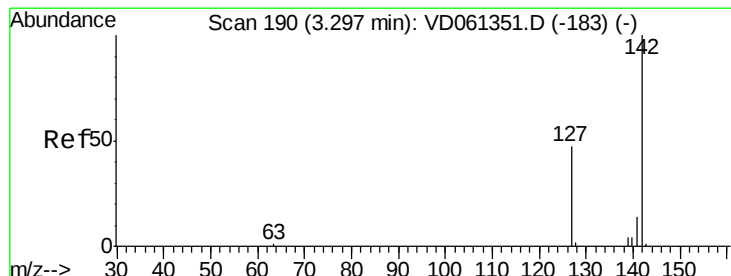
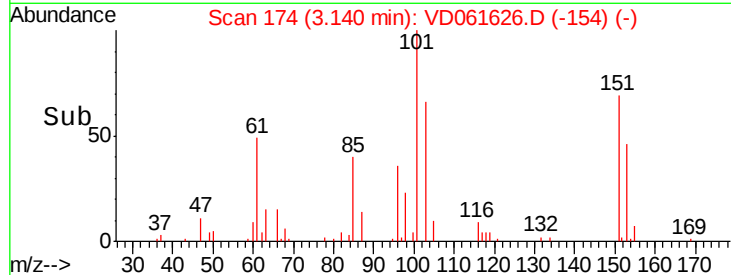
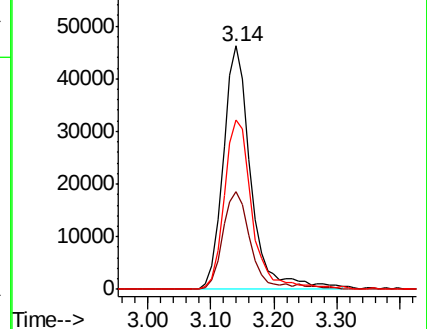
151 69.3 57.0 85.4



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: 20.766 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

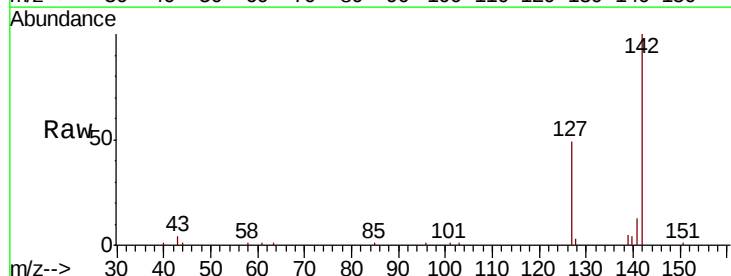
Tgt Ion:142 Resp: 165435

Ion Ratio Lower Upper

142 100

127 48.6 37.7 56.5

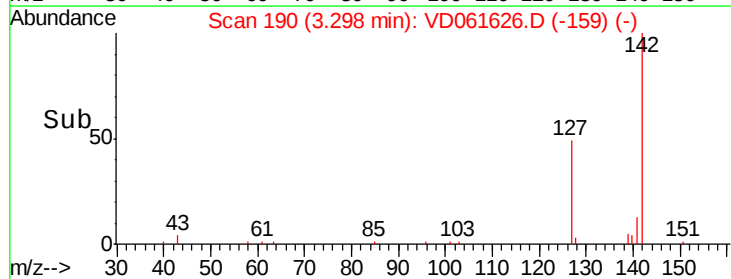
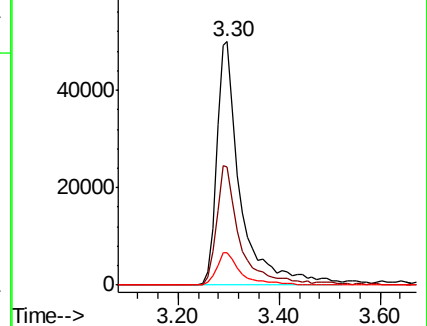
141 13.4 11.5 17.3

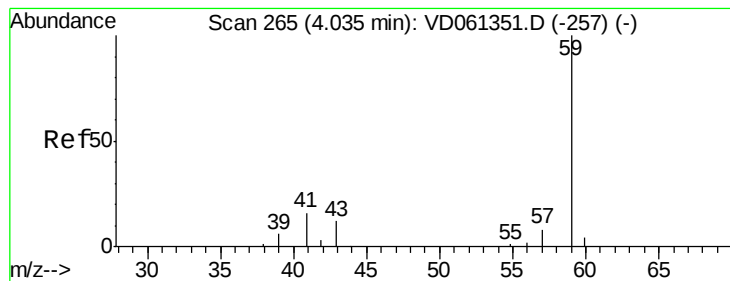


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



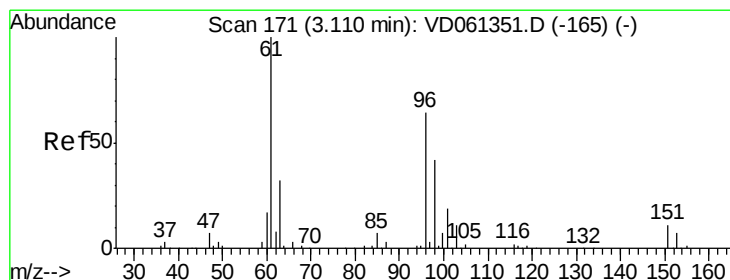
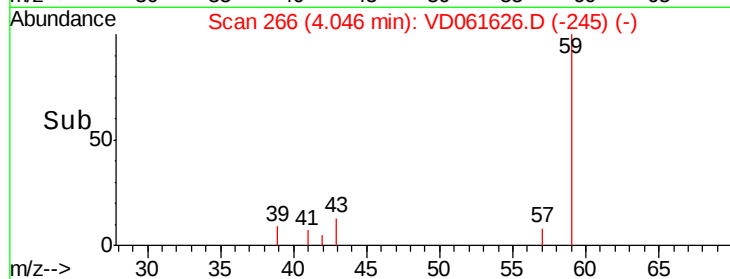
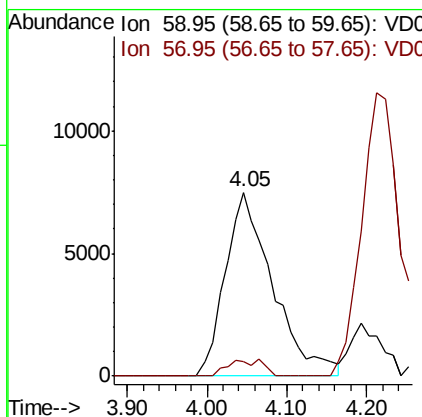
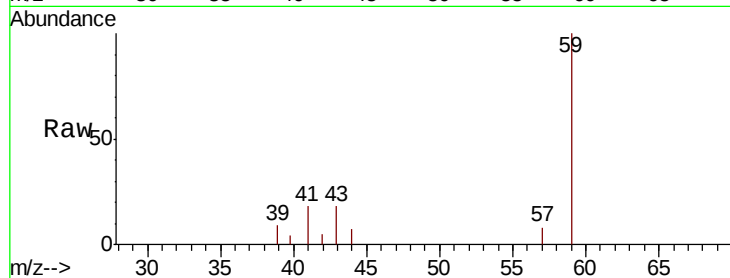


#11

Tert butyl alcohol
 Concen: 124.684 ug/l
 RT: 4.05 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

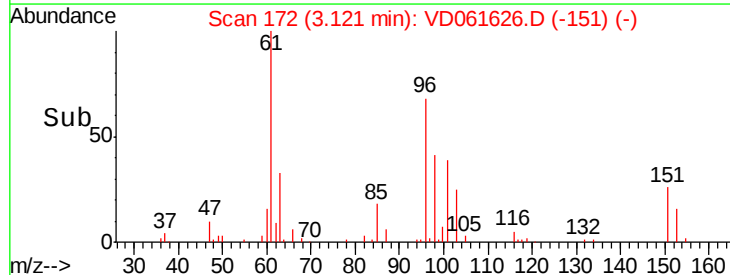
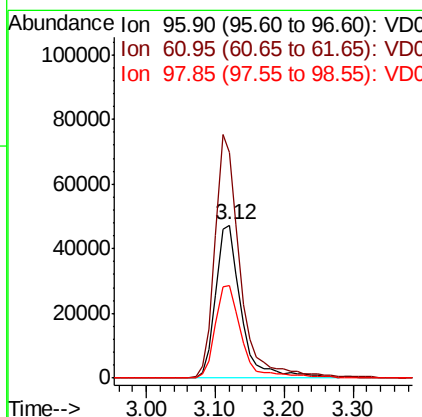
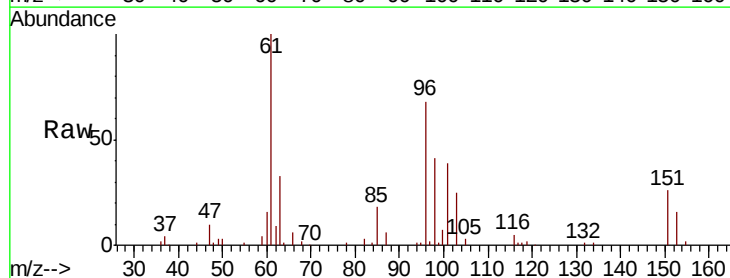
Tot Ion: 59 Resp: 31061
 Ion Ratio Lower Upper
 59 100
 57 8.2 6.7 10.1

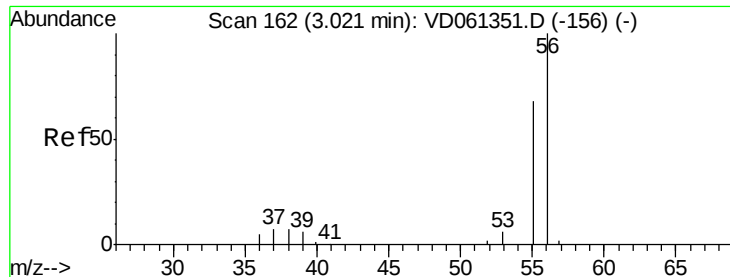


#12

1,1-Dichloroethene
 Concen: 24.199 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 96 Resp: 121630
 Ion Ratio Lower Upper
 96 100
 61 147.5 124.9 187.3
 98 60.7 52.5 78.7





#13

Acrolein

Concen: 60.401 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

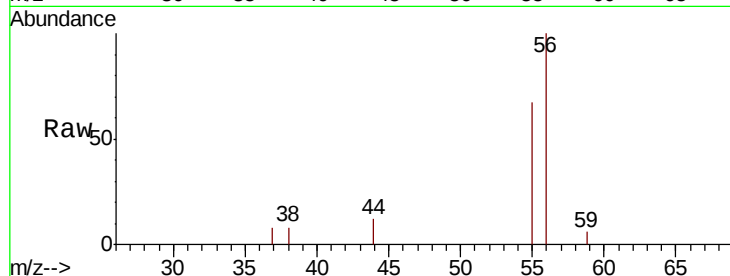
VD0405SBS01

Tot Ion: 56 Resp: 14763

Ion Ratio Lower Upper

56 100

55 66.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

6000

5000

4000

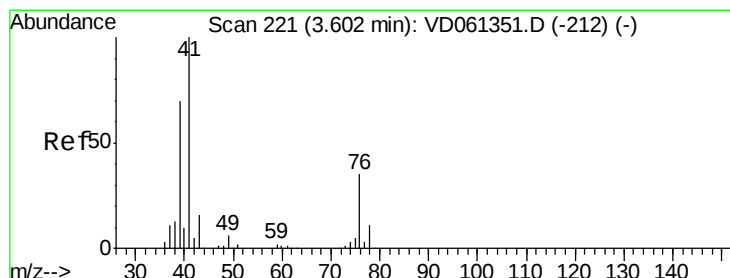
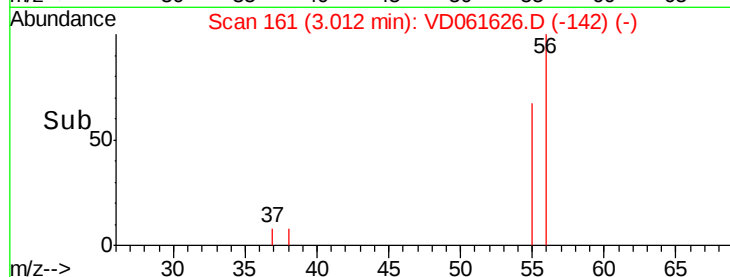
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 21.964 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

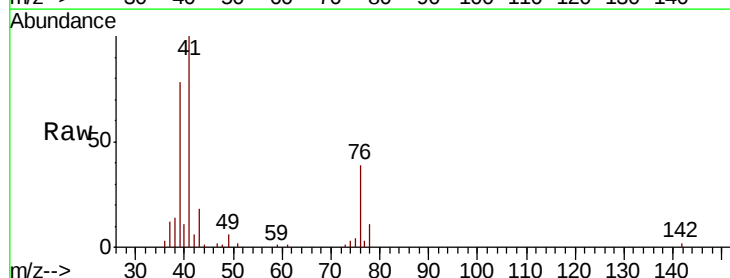
Tgt Ion: 41 Resp: 153976

Ion Ratio Lower Upper

41 100

39 77.6 55.6 83.4

76 38.7 31.0 46.6



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

3.60

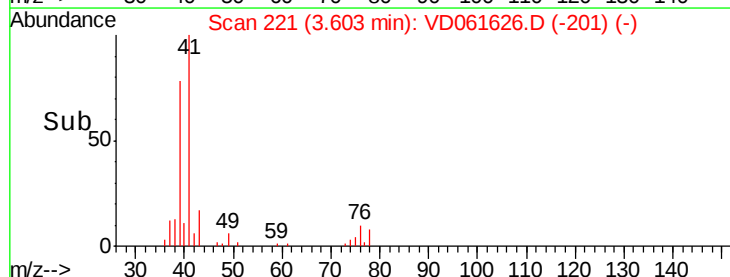
60000

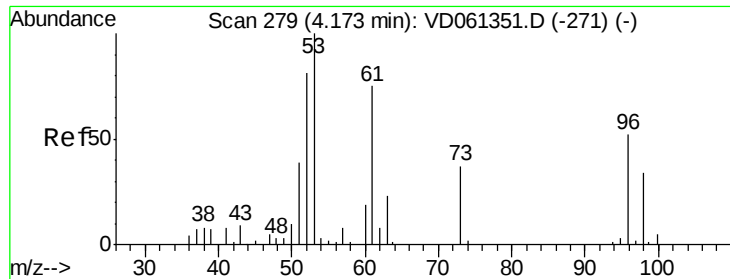
40000

20000

0

Time-->

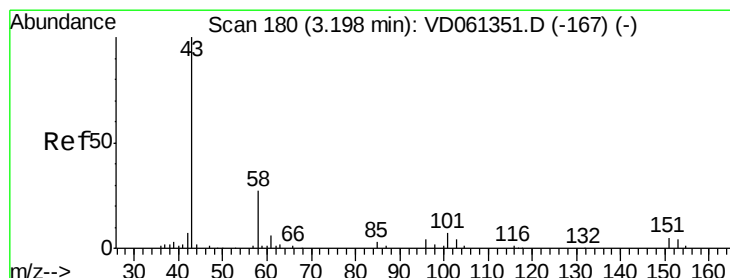
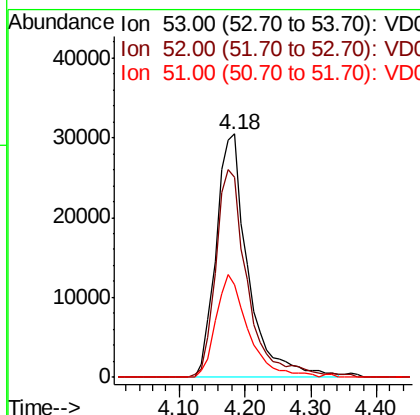
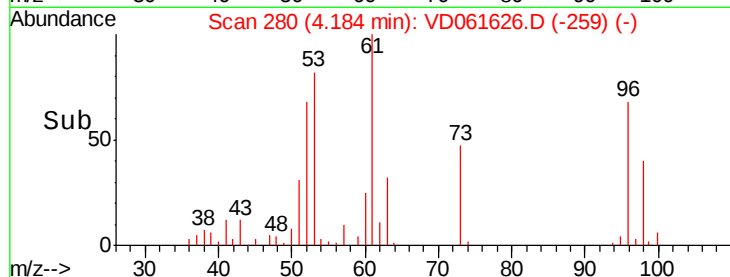
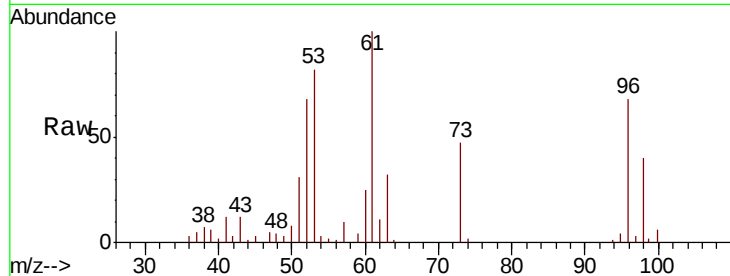




#15
 Acrylonitrile
 Concen: 118.581 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

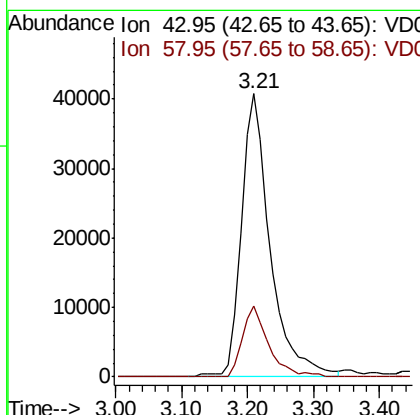
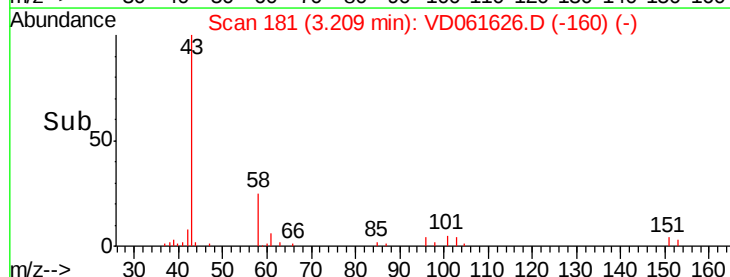
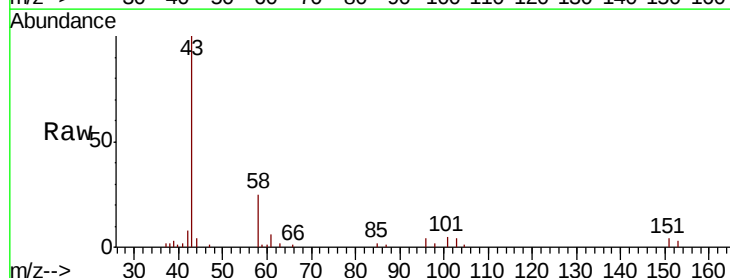
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

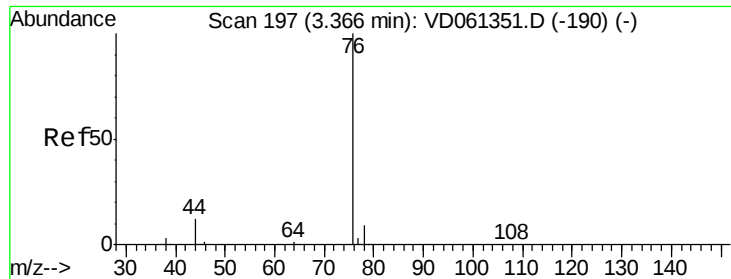
Tot Ion: 53 Resp: 102530
 Ion Ratio Lower Upper
 53 100
 52 82.3 64.8 97.2
 51 38.1 31.4 47.2



#16
 Acetone
 Concen: 121.043 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 43 Resp: 124470
 Ion Ratio Lower Upper
 43 100
 58 25.3 21.5 32.3

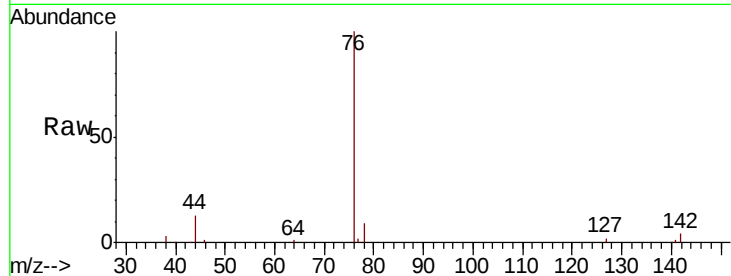




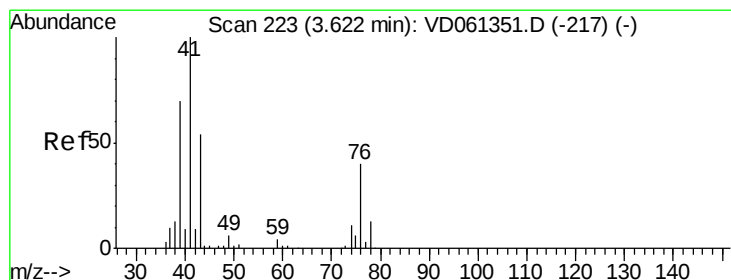
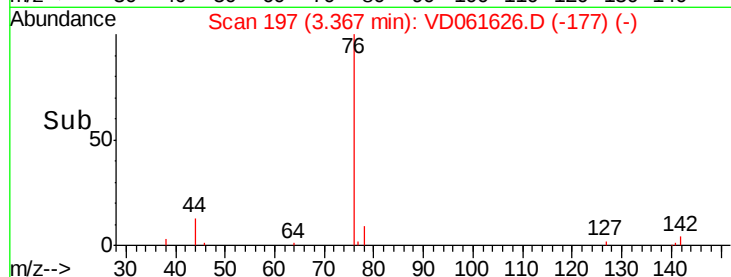
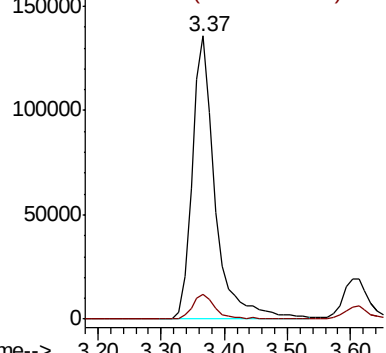
#17
Carbon Disulfide
Concen: 21.102 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 76 Resp: 344601
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

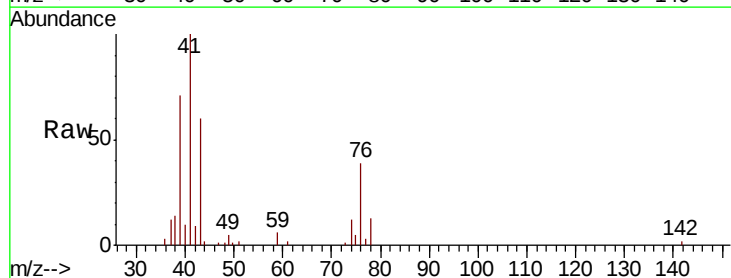


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

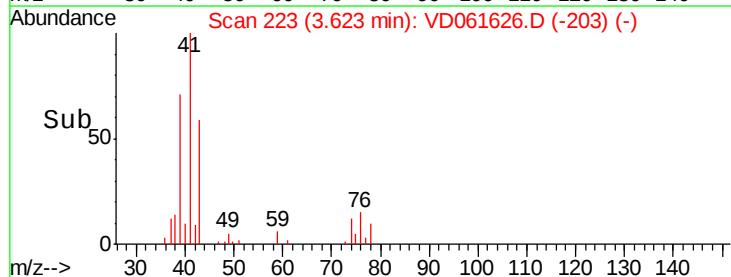
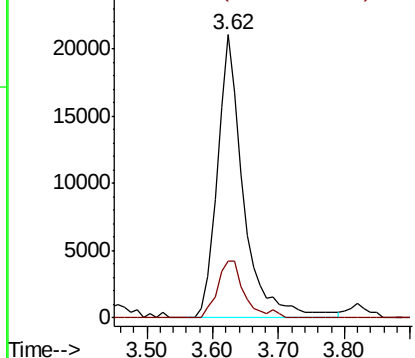


#18
Methyl Acetate
Concen: 26.727 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 43 Resp: 57785
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1



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

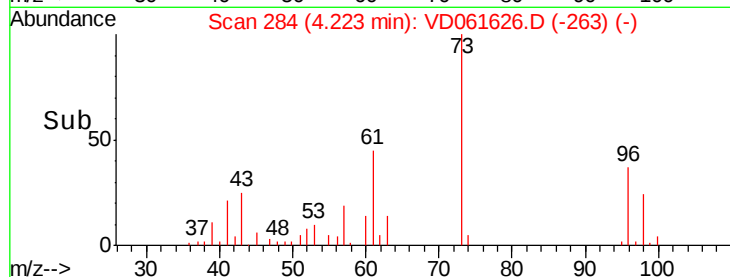
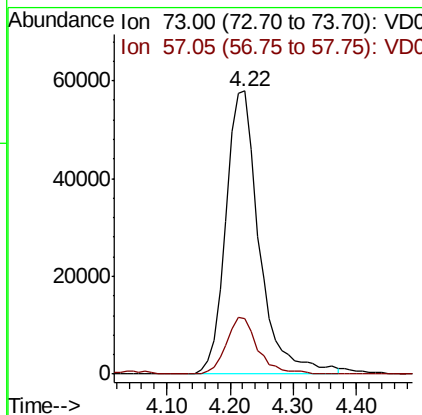
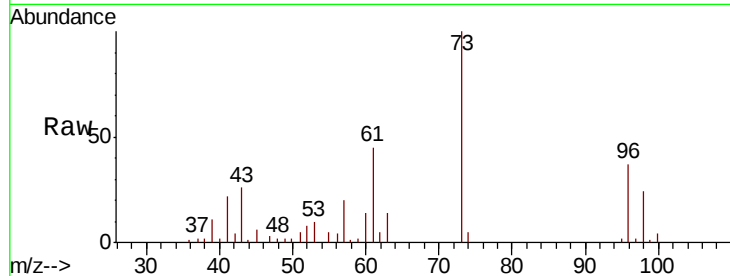




#19
Methyl tert-butyl Ether
Concen: 24.417 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

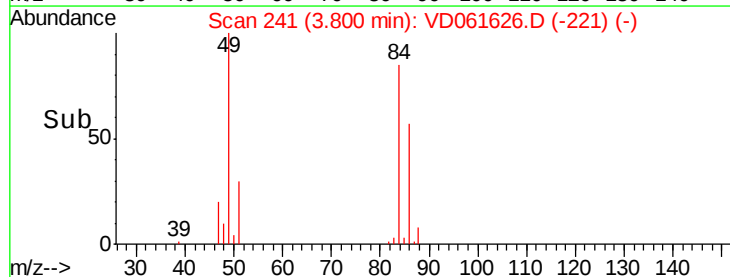
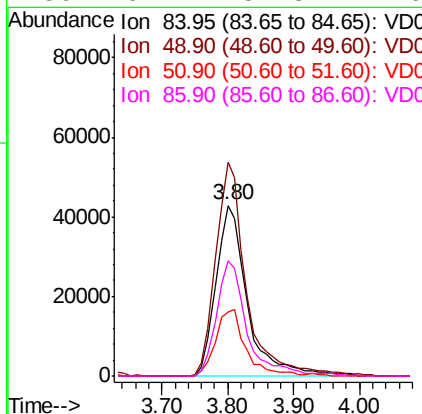
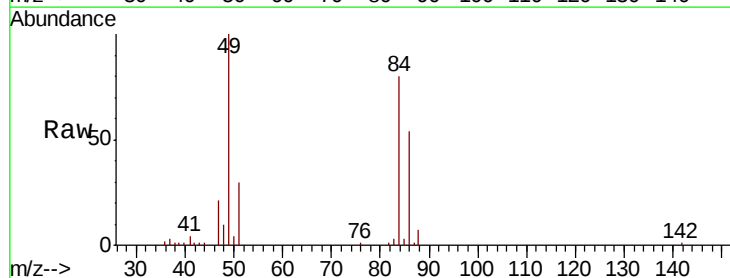
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 73 Resp: 212437
Ion Ratio Lower Upper
73 100
57 19.5 16.4 24.6



#20
Methylene Chloride
Concen: 23.387 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 84 Resp: 140607
Ion Ratio Lower Upper
84 100
49 125.1 91.8 137.8
51 37.6 29.8 44.8
86 67.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 23.029 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

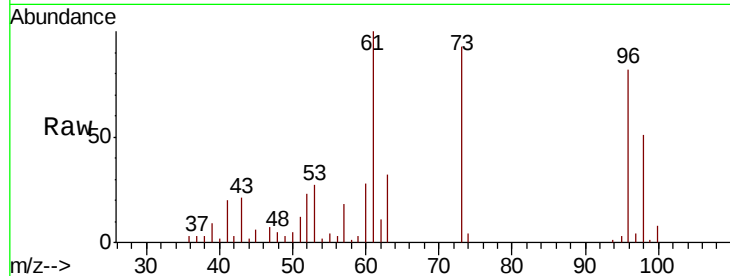
Tot Ion: 96 Resp: 124968

Ion Ratio Lower Upper

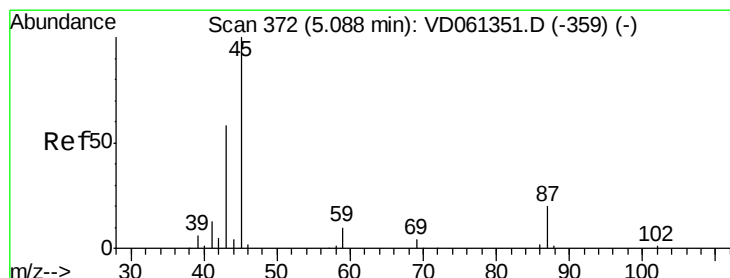
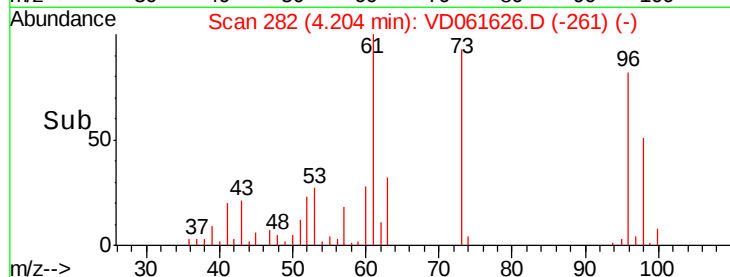
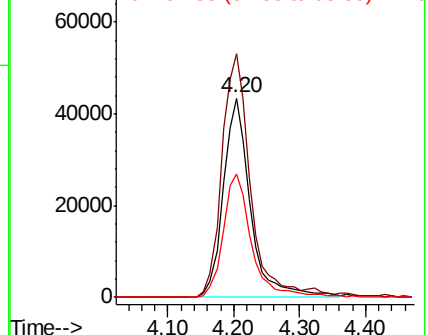
96 100

61 122.4 102.7 154.1

98 62.1 52.2 78.4



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



#22

Diisopropyl ether

Concen: 24.103 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Tgt Ion: 45 Resp: 357580

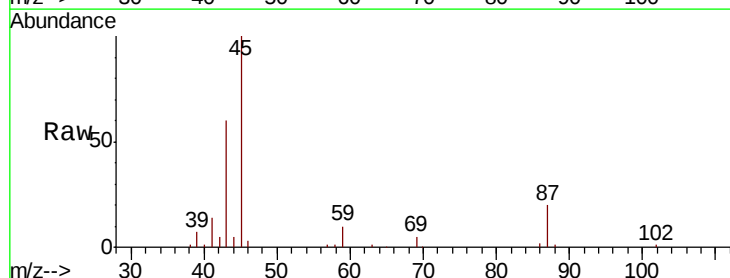
Ion Ratio Lower Upper

45 100

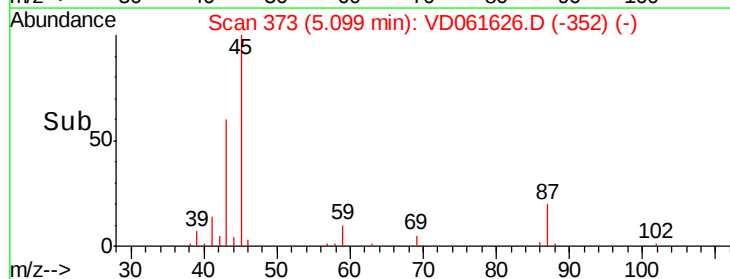
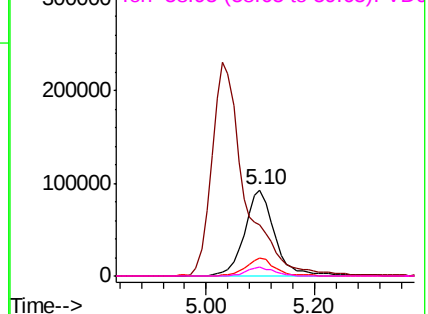
43 59.6 47.4 71.2

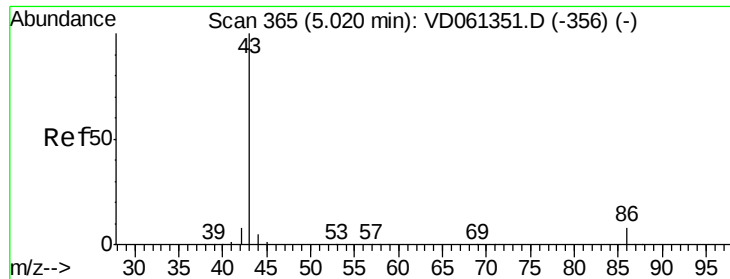
87 20.4 16.3 24.5

59 9.9 8.4 12.6



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: 118.400 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

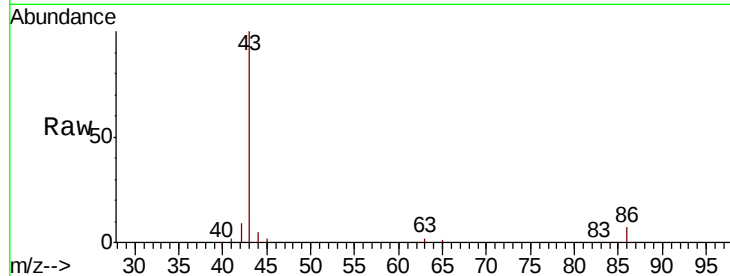
VD0405SBS01

Tot Ion: 43 Resp: 954119

Ion Ratio Lower Upper

43 100

86 7.2 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

250000

200000

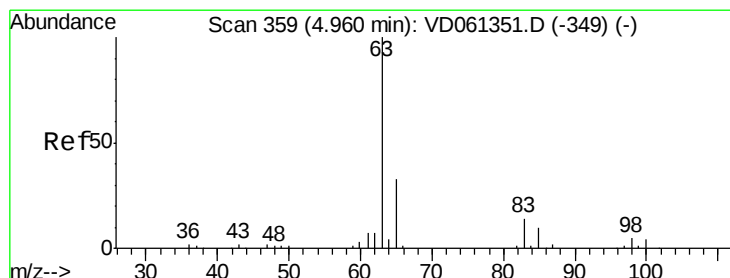
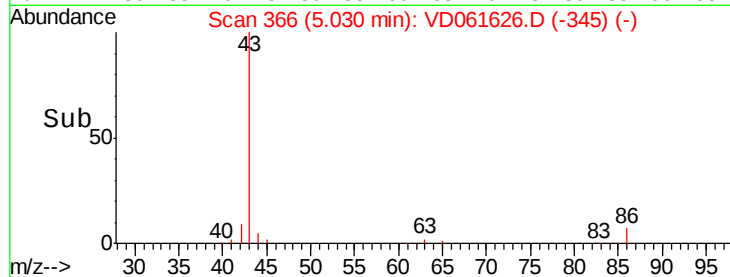
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.349 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

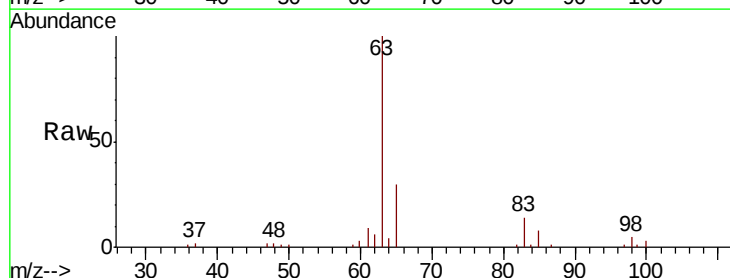
Tgt Ion: 63 Resp: 212286

Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

100 2.9 1.8 5.3



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

4.96

80000

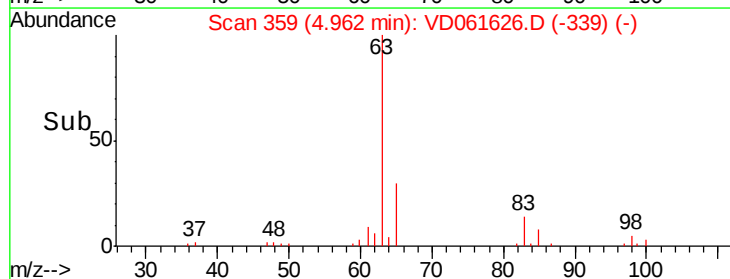
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 124.089 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

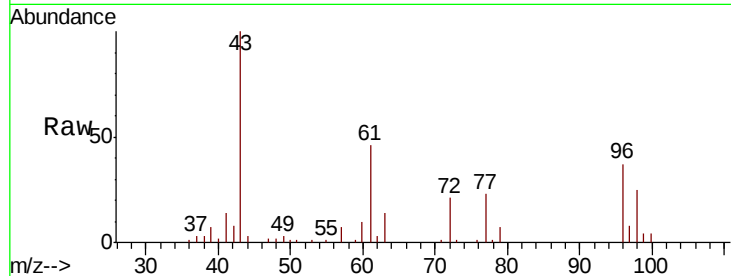
VD0405SBS01

Tot Ion: 43 Resp: 160512

Ion Ratio Lower Upper

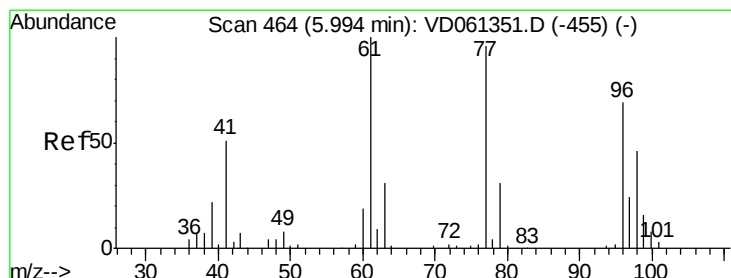
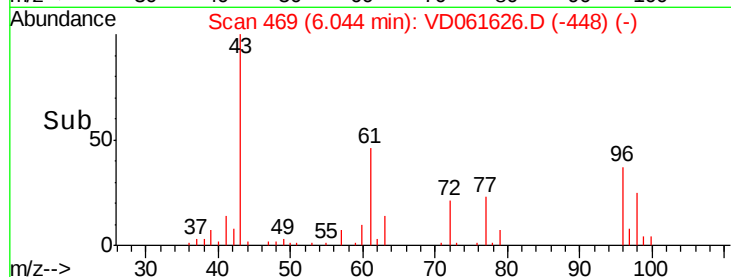
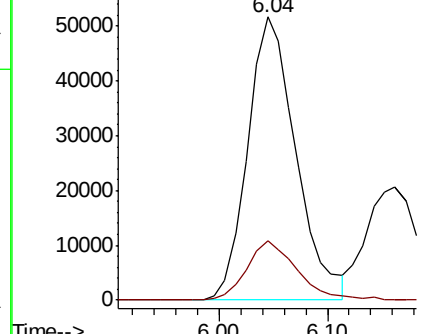
43 100

72 21.0 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 25.059 ug/l

RT: 6.01 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061626.D

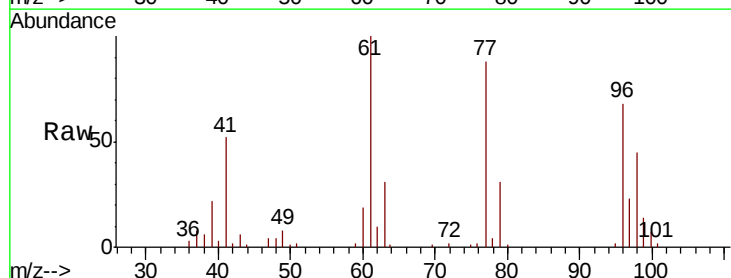
Acq: 5 Apr 2019 17:40

Tgt Ion: 77 Resp: 173678

Ion Ratio Lower Upper

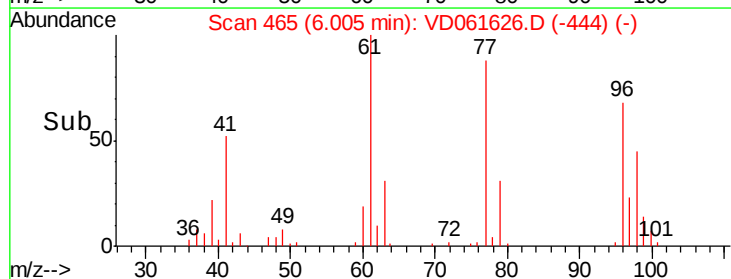
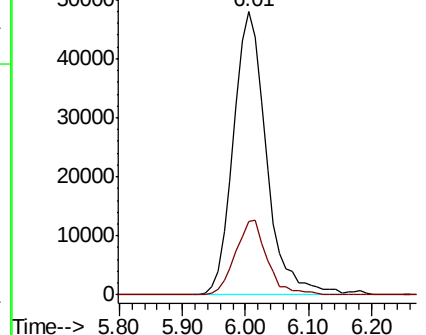
77 100

97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



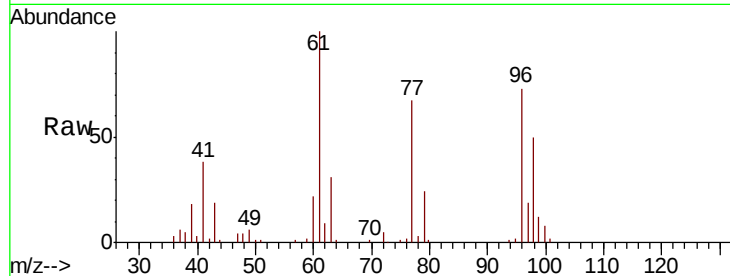


#27

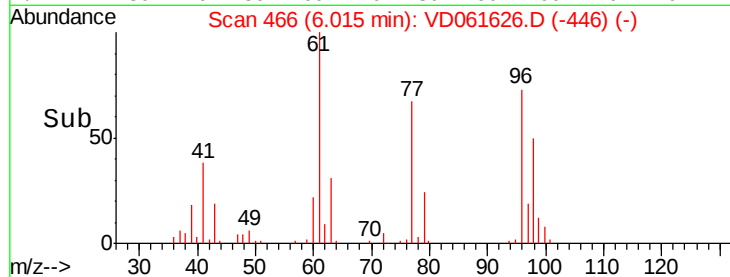
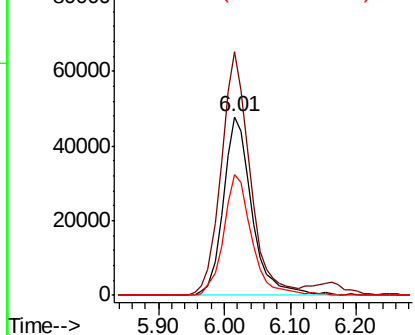
cis-1,2-Dichloroethene
 Concen: 24.403 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion: 96 Resp: 145089
 Ion Ratio Lower Upper
 96 100
 61 136.2 0.0 251.6
 98 67.4 0.0 129.2



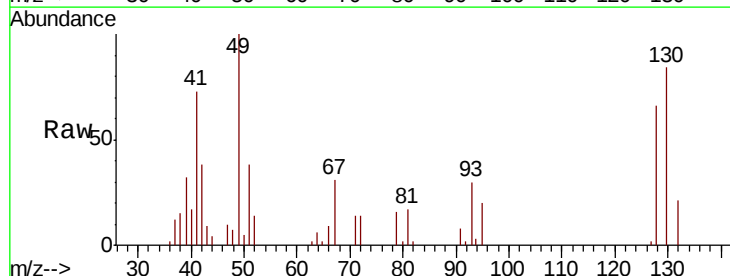
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



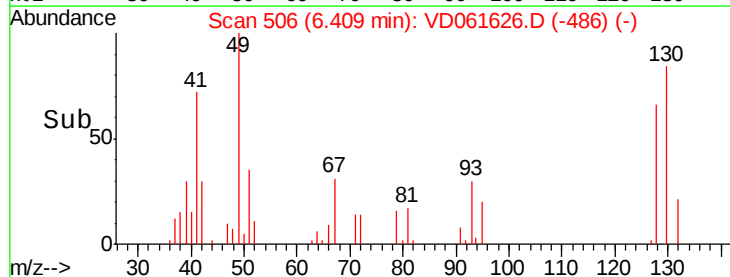
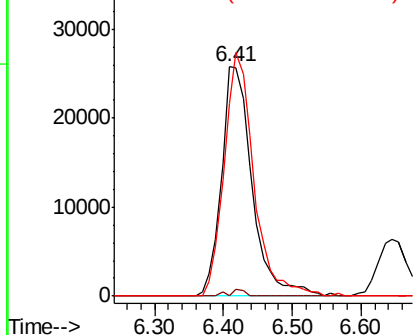
#28

Bromochloromethane
 Concen: 22.639 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 49 Resp: 79676
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 83.7 78.4 117.6



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

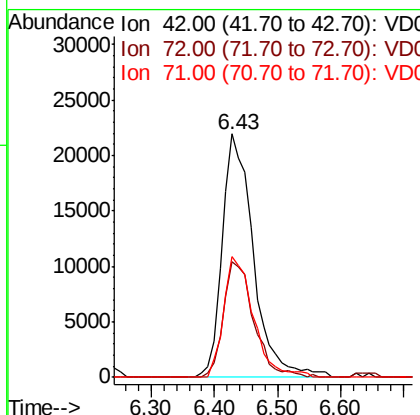
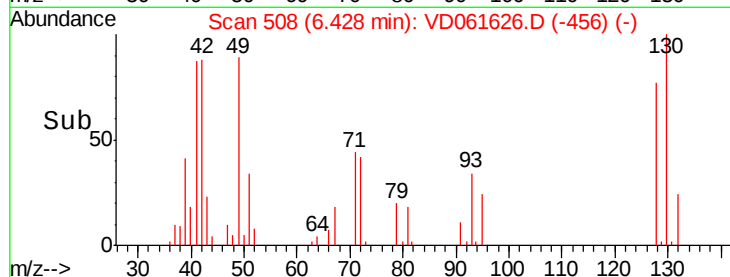
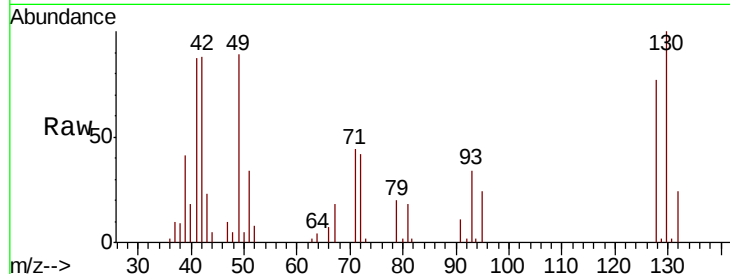




#29
Tetrahydrofuran
Concen: 119.850 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

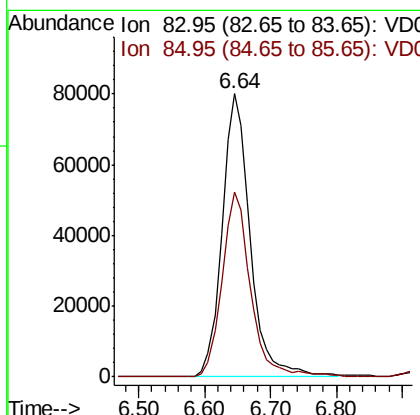
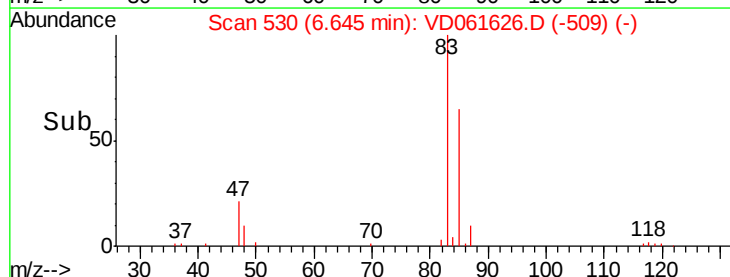
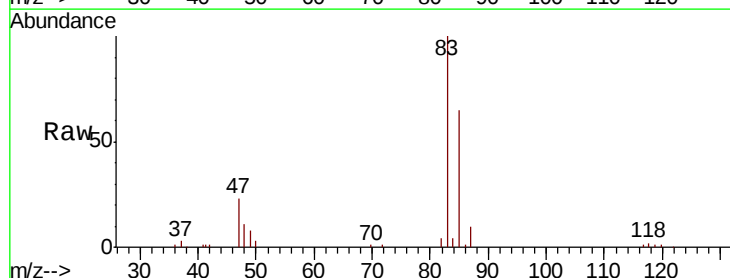
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

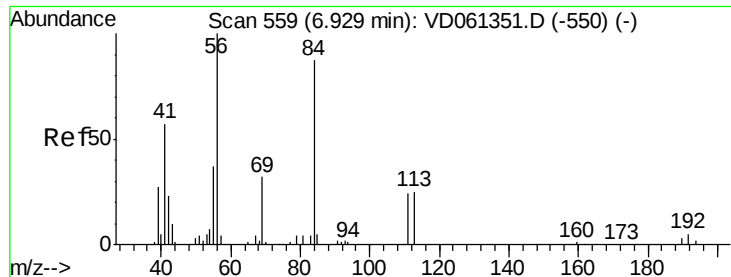
Tot Ion: 42 Resp: 75142
Ion Ratio Lower Upper
42 100
72 46.5 37.4 56.0
71 47.3 36.7 55.1



#30
Chloroform
Concen: 26.373 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 83 Resp: 237581
Ion Ratio Lower Upper
83 100
85 65.3 53.0 79.4

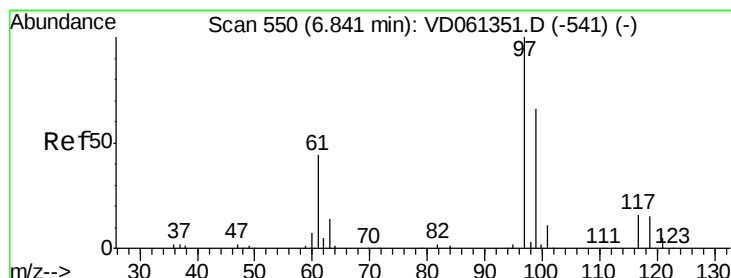
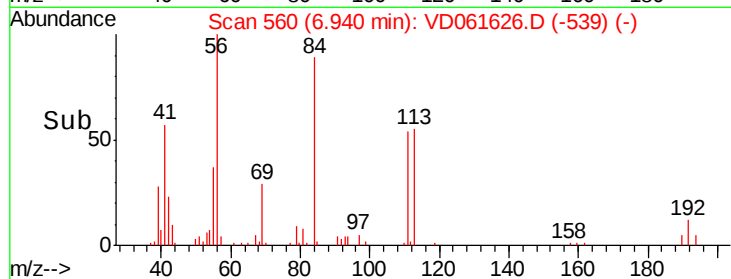
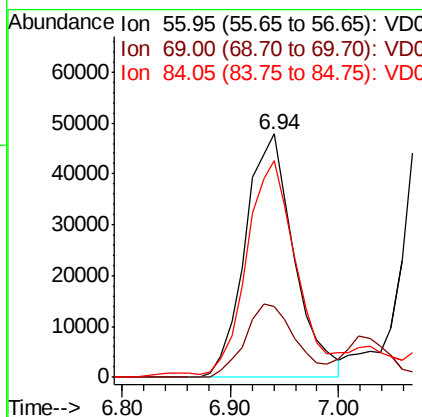
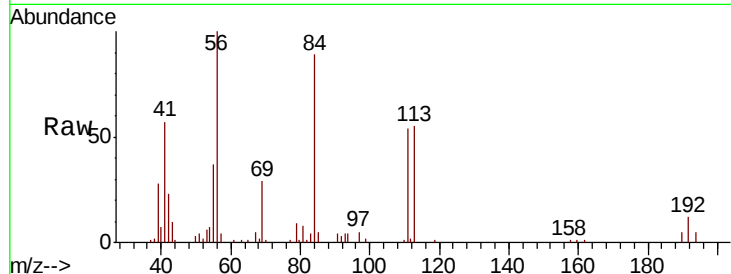




#31
Cyclohexane
Concen: 21.854 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

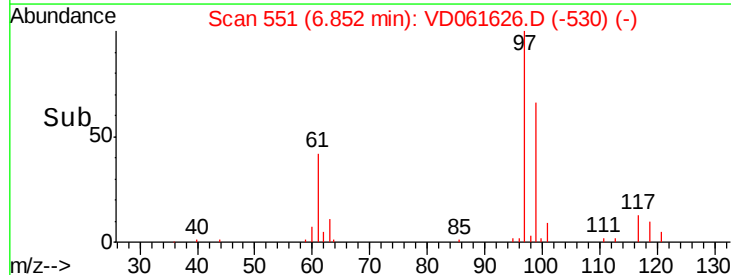
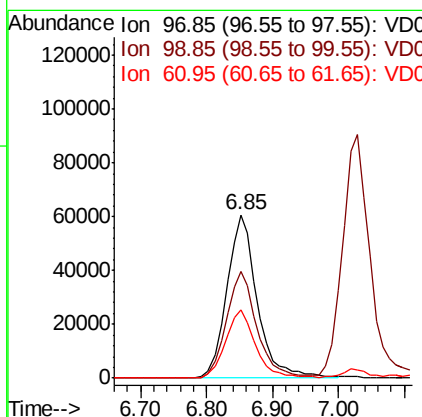
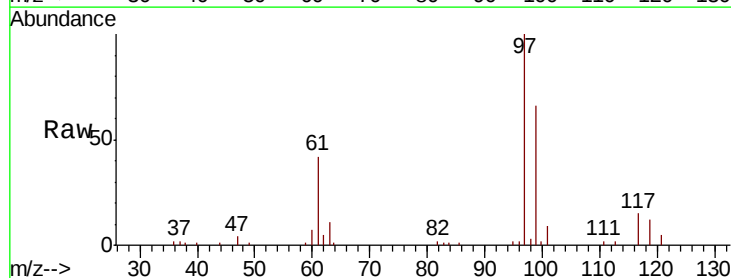
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

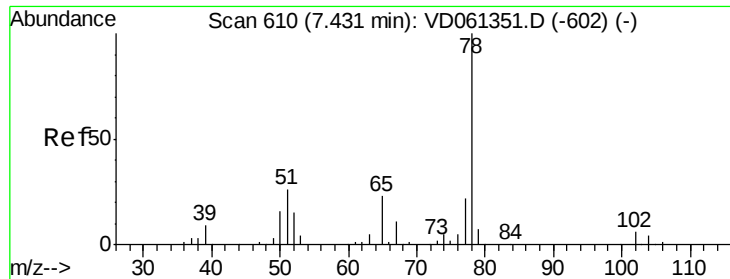
Tot Ion: 56 Resp: 150565
Ion Ratio Lower Upper
56 100
69 29.2 25.7 38.5
84 89.0 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 24.536 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 97 Resp: 195000
Ion Ratio Lower Upper
97 100
99 65.7 53.1 79.7
61 41.6 35.5 53.3

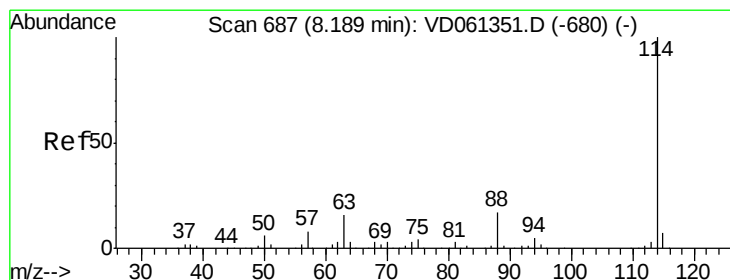
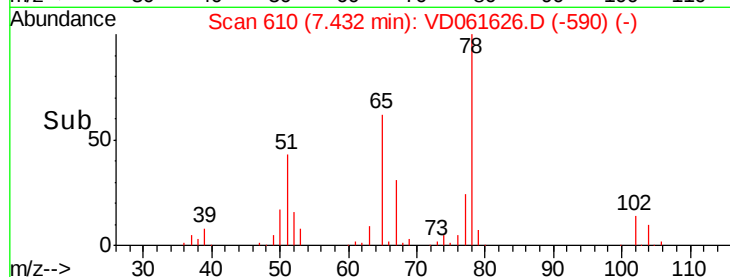
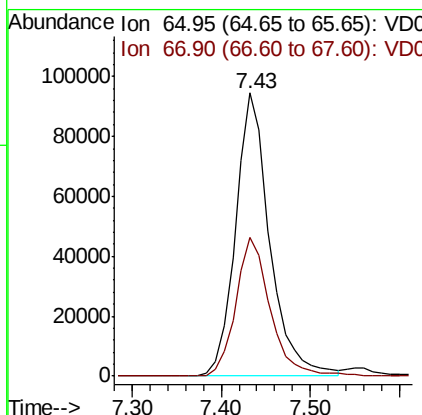
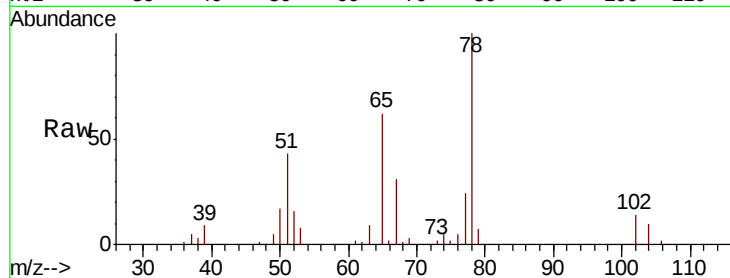




#33
 1,2-Dichloroethane-d4
 Concen: 24.536 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

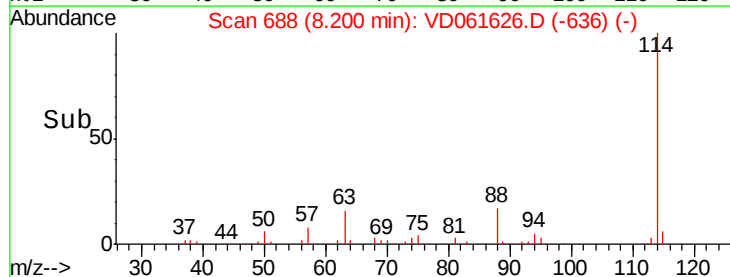
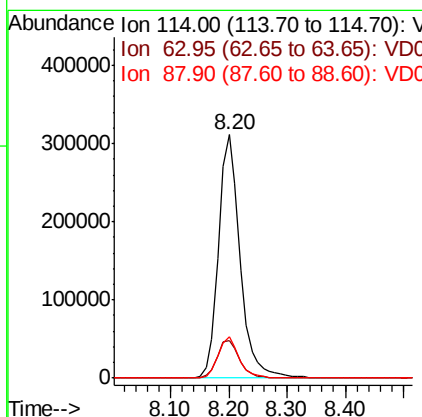
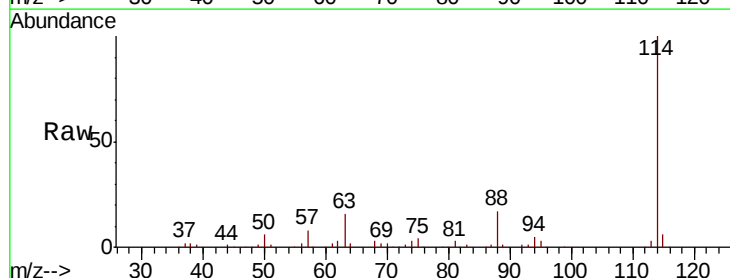
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

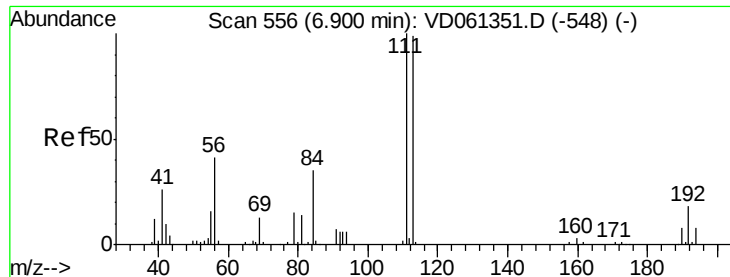
Tot Ion: 65 Resp: 251324
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 114 Resp: 800165
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

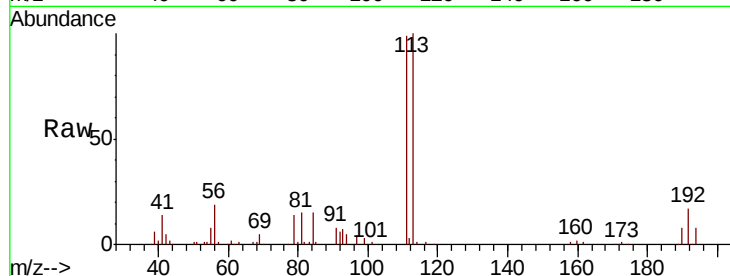
Tot Ion:113 Resp: 362502

Ion Ratio Lower Upper

113 100

111 99.0 81.0 121.6

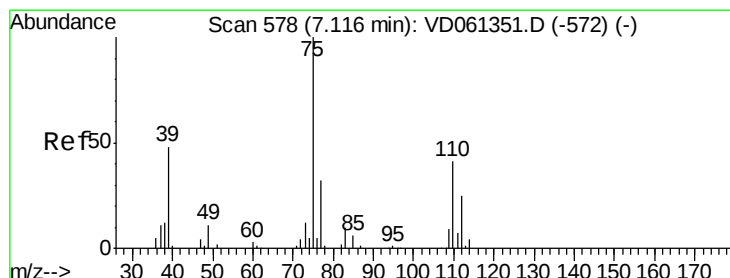
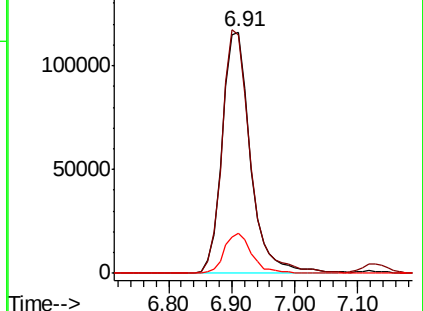
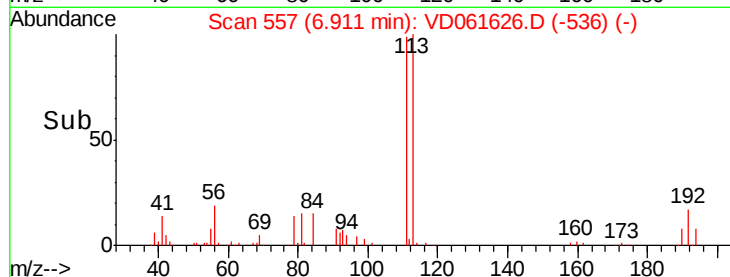
192 16.6 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 24.696 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

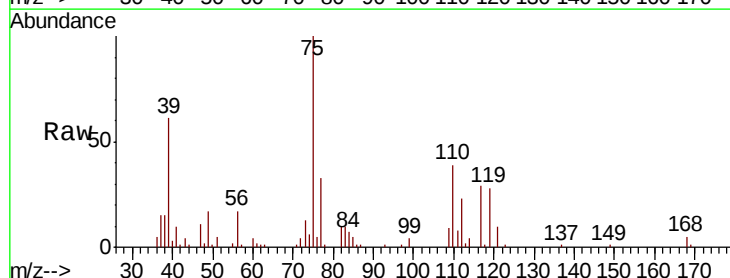
Tgt Ion: 75 Resp: 172470

Ion Ratio Lower Upper

75 100

110 39.3 20.4 61.3

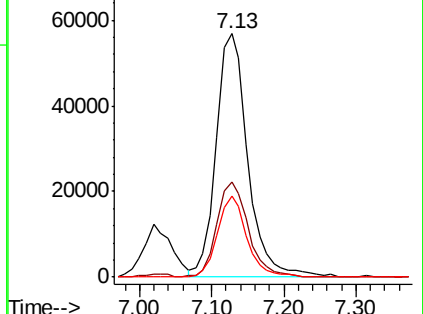
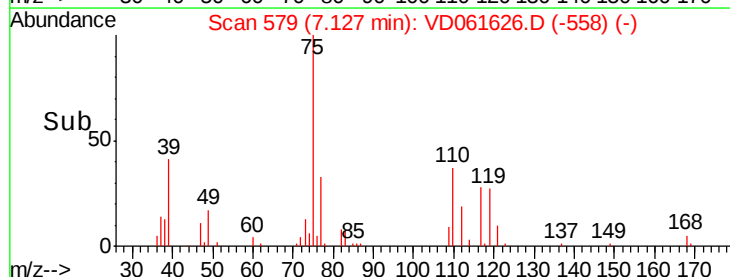
77 33.5 24.9 37.3

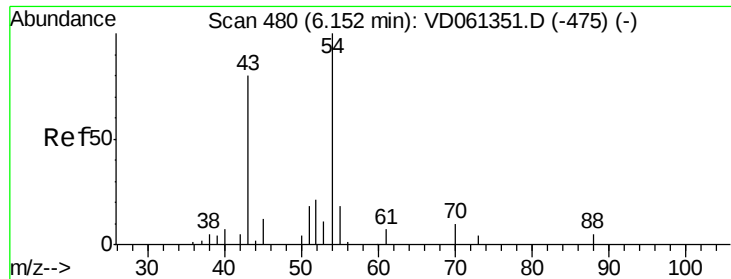


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

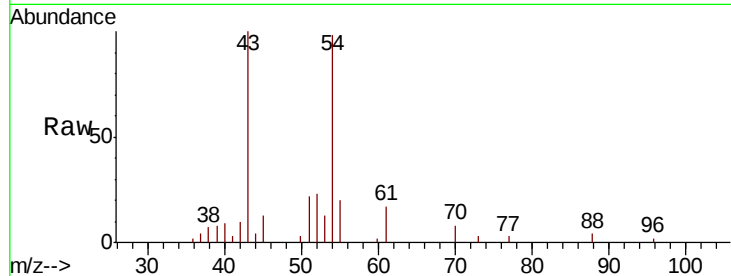




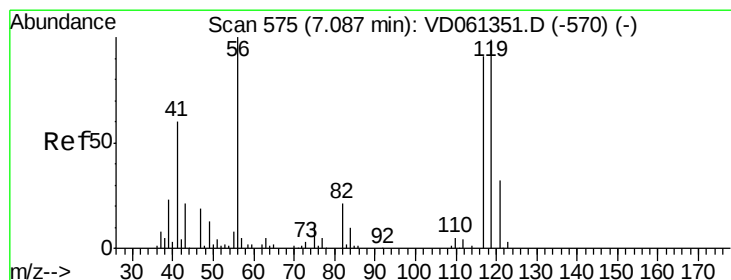
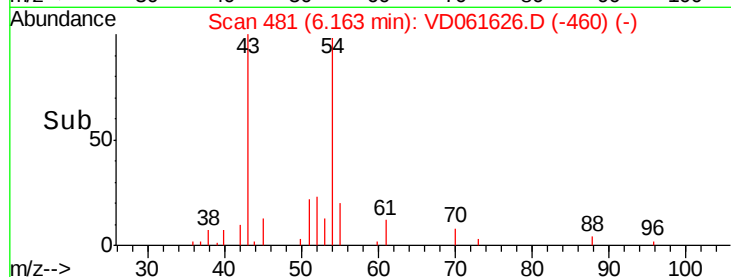
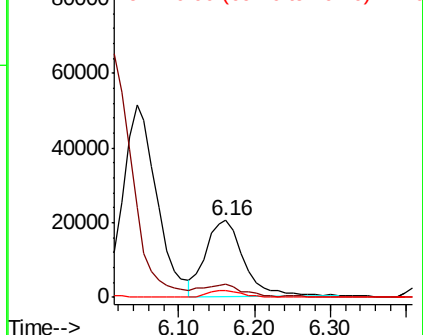
#37
Ethyl Acetate
Concen: 24.025 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 43 Resp: 71757
Ion Ratio Lower Upper
43 100
61 16.6 13.8 20.8
70 8.4 7.8 11.8

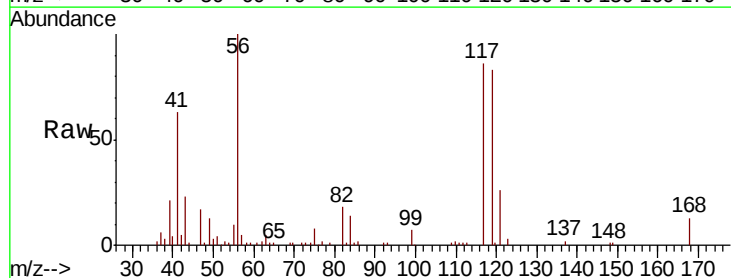


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

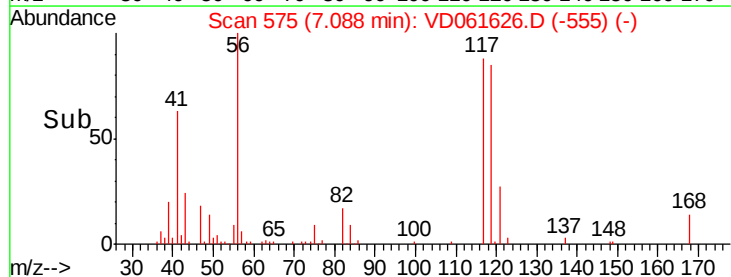
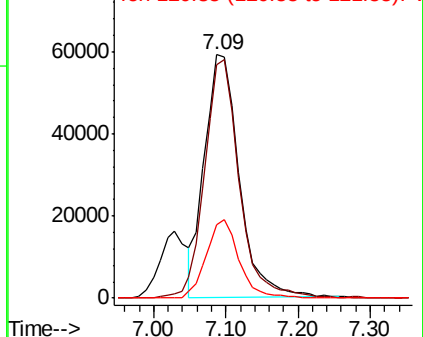


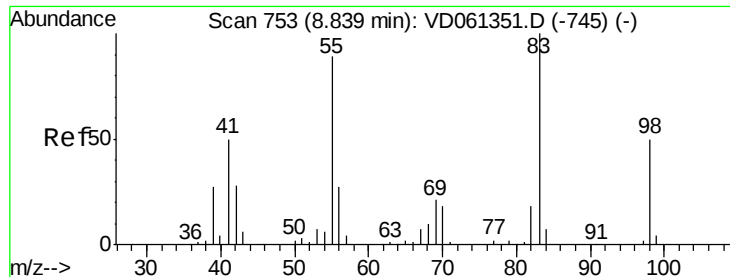
#38
Carbon Tetrachloride
Concen: 24.355 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 117 Resp: 195446
Ion Ratio Lower Upper
117 100
119 96.0 80.1 120.1
121 30.4 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

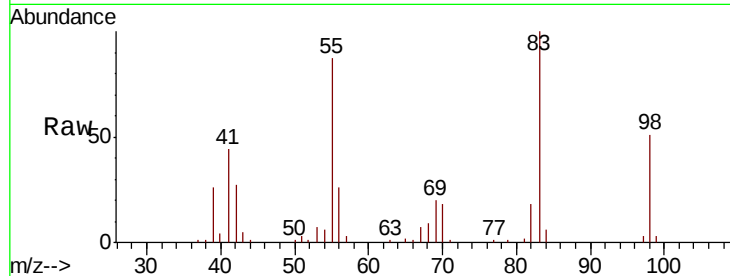




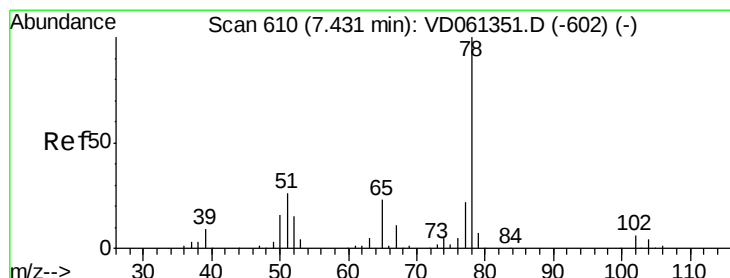
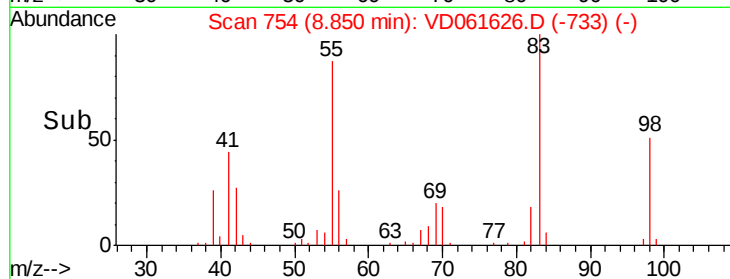
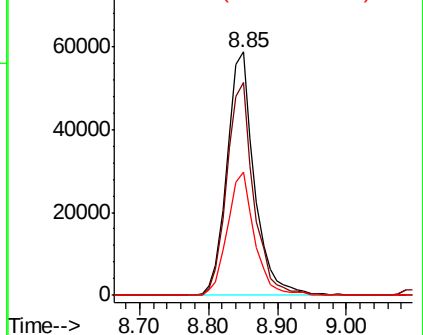
#39
Methvlcvclohexane
Concen: 22.177 ug/l
RT: 8.85 min Scan# 754
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 83 Resp: 161303
Ion Ratio Lower Upper
83 100
55 87.3 71.5 107.3
98 50.8 40.3 60.5

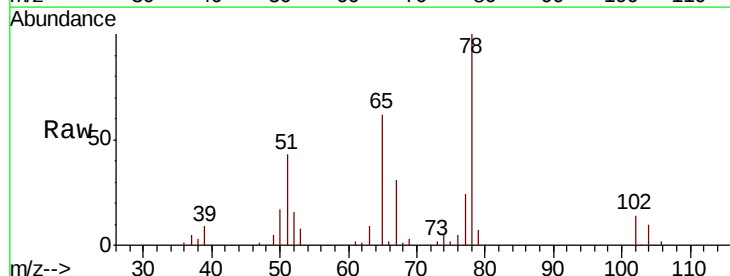


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

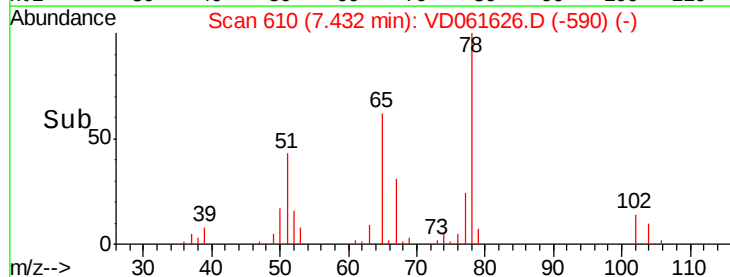
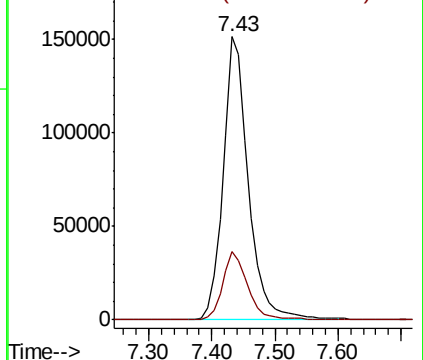


#40
Benzene
Concen: 23.888 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 78 Resp: 418680
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.6



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

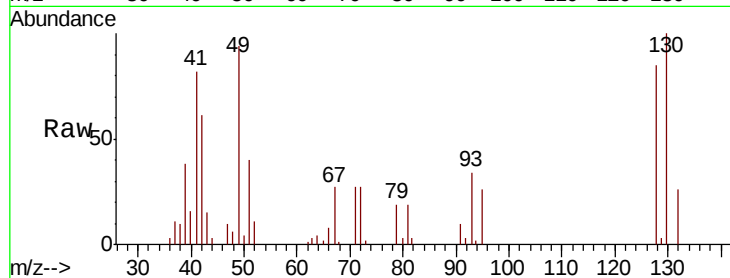




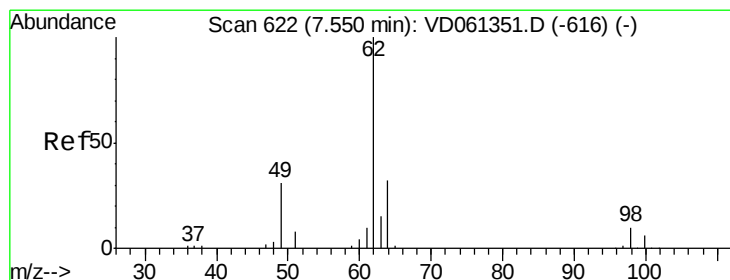
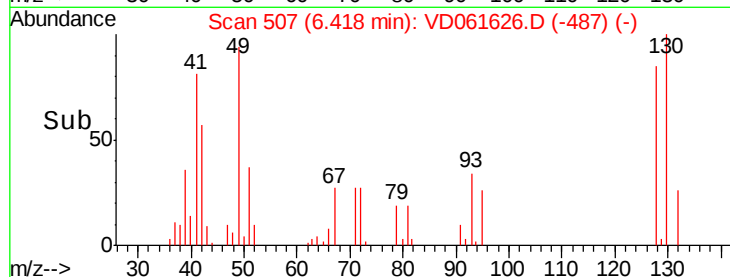
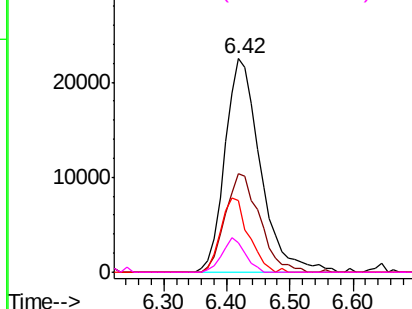
#41
Methacrylonitrile
Concen: 25.033 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 41 Resp: 87420
Ion Ratio Lower Upper
41 100
39 45.9 35.0 52.6
67 33.4 21.0 31.6#
52 14.0 7.7 11.5#

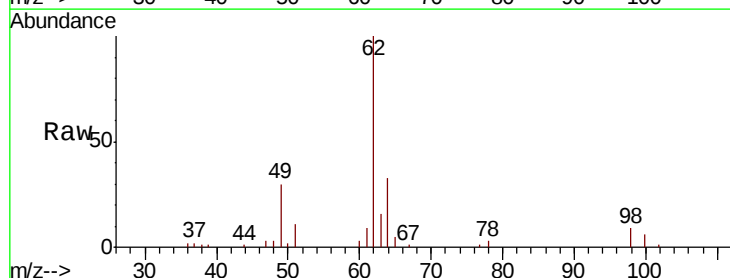


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

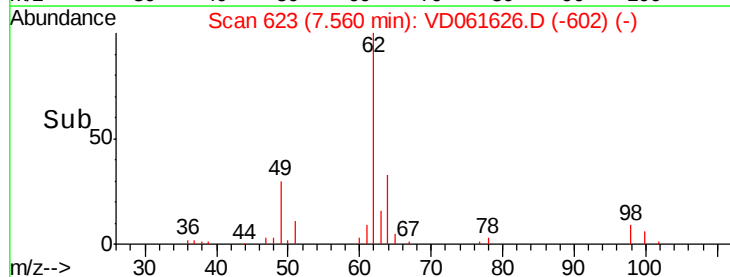
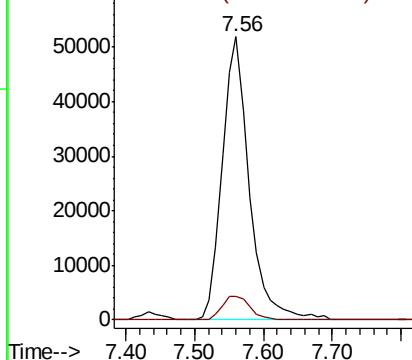


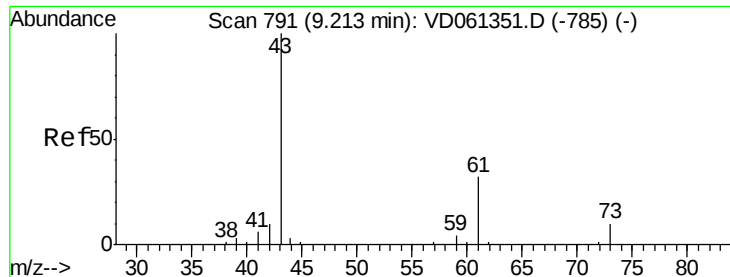
#42
1,2-Dichloroethane
Concen: 26.819 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 62 Resp: 140604
Ion Ratio Lower Upper
62 100
98 8.5 0.0 19.8



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



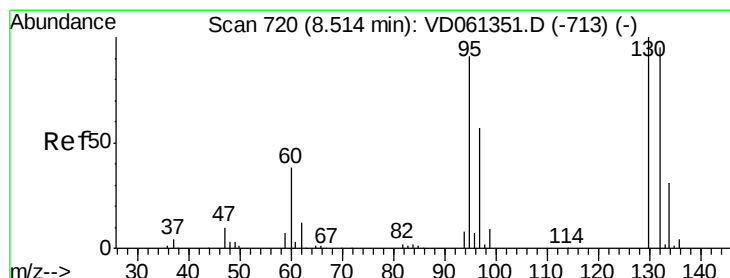
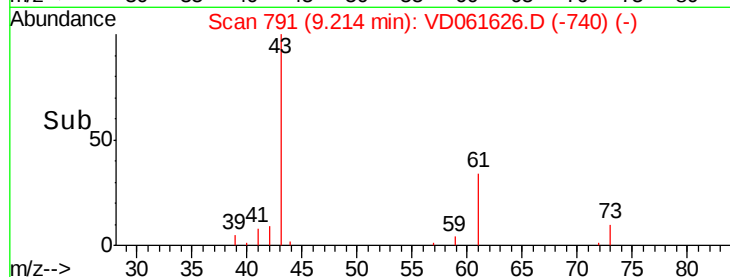
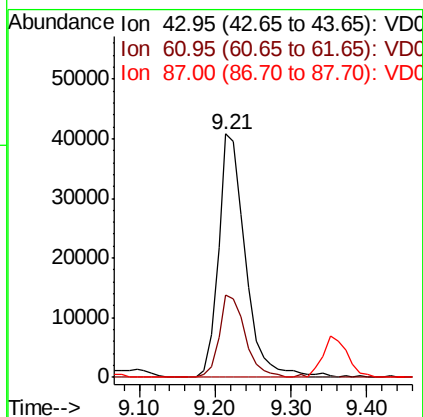
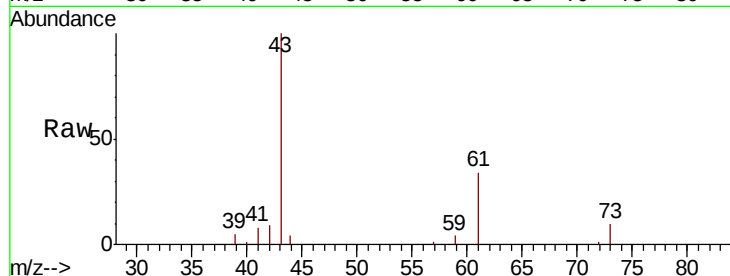


#43

Isopropyl Acetate
 Concen: 23.190 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

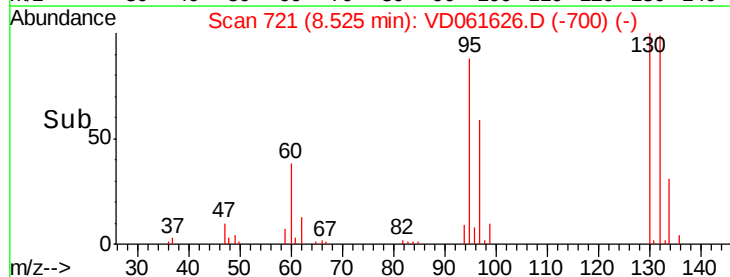
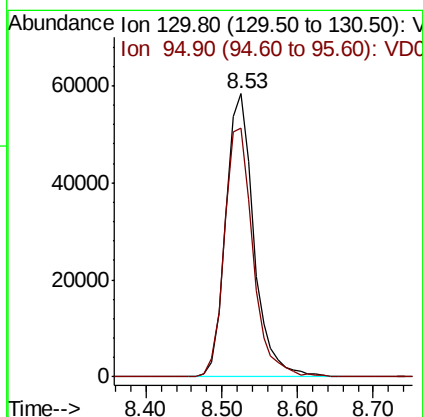
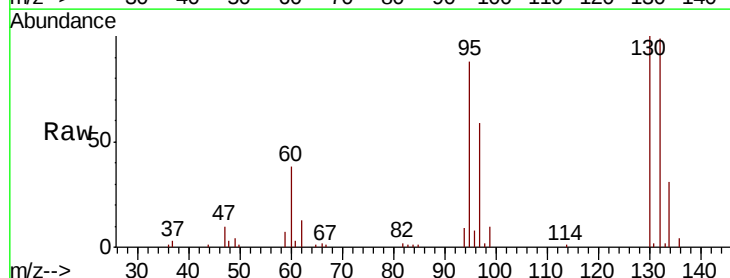
Tot Ion: 43 Resp: 100776
 Ion Ratio Lower Upper
 43 100
 61 33.6 25.8 38.6
 87 0.0 0.0 0.0

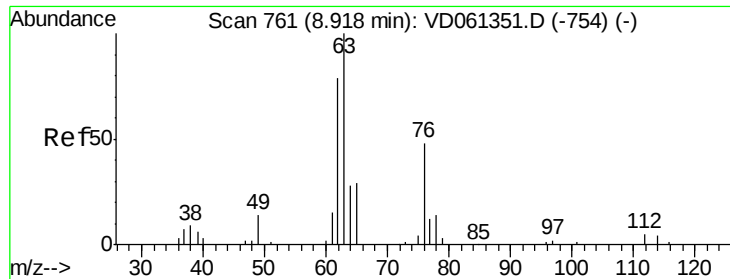


#44

Trichloroethene
 Concen: 22.962 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 130 Resp: 149775
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 181.4





#45

1,2-Dichloropropane

Concen: 23.065 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

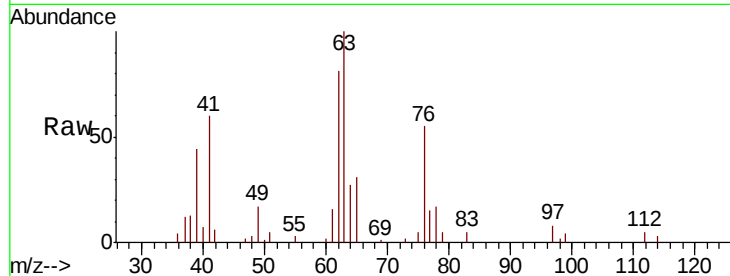
VD0405SBS01

Tot Ion: 63 Resp: 102509

Ion Ratio Lower Upper

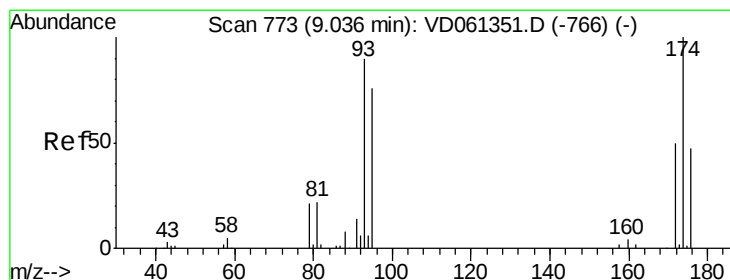
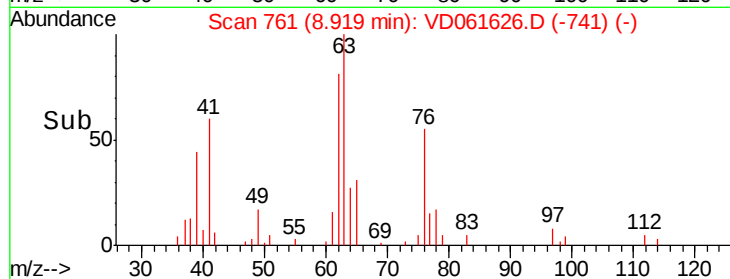
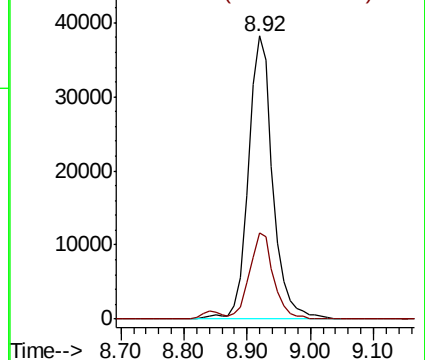
63 100

65 30.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 26.114 ug/l

RT: 9.05 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

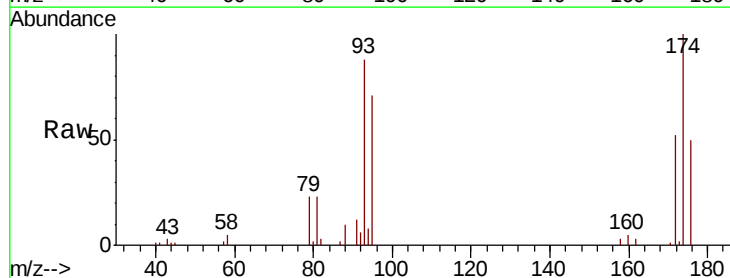
Tgt Ion: 93 Resp: 78116

Ion Ratio Lower Upper

93 100

95 80.3 67.4 101.0

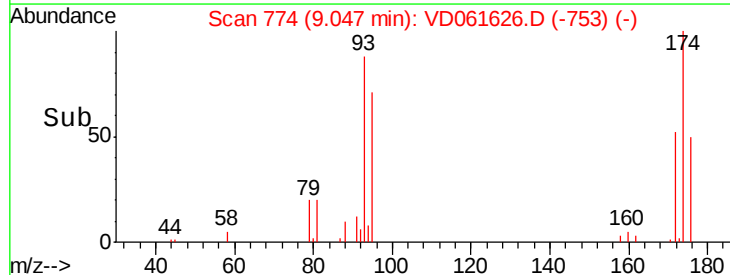
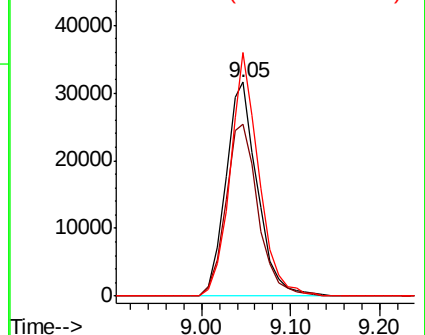
174 113.9 88.9 133.3

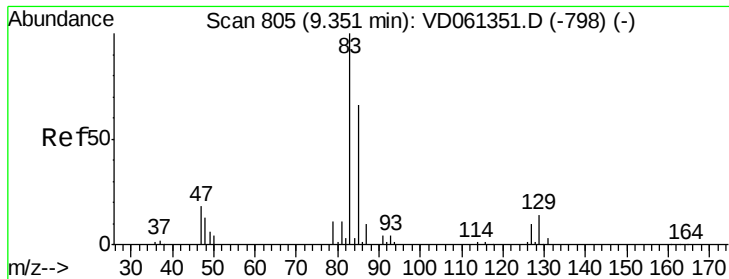


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.620 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

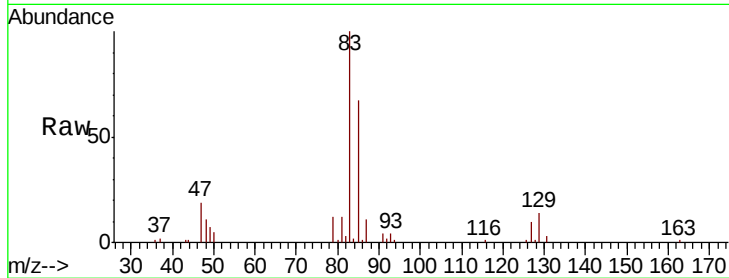
Tot Ion: 83 Resp: 158585

Ion Ratio Lower Upper

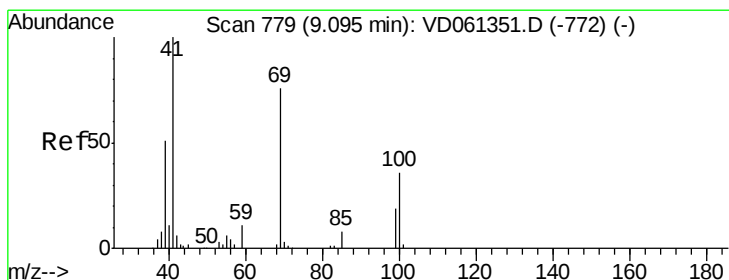
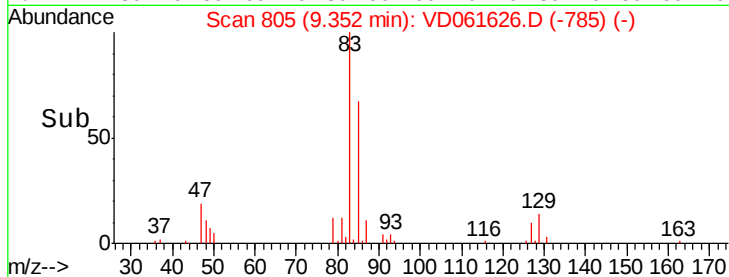
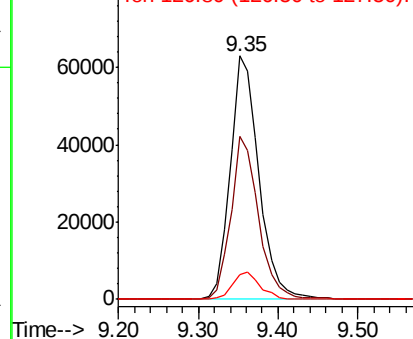
83 100

85 66.8 53.0 79.4

127 9.9 8.4 12.6



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: 24.811 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

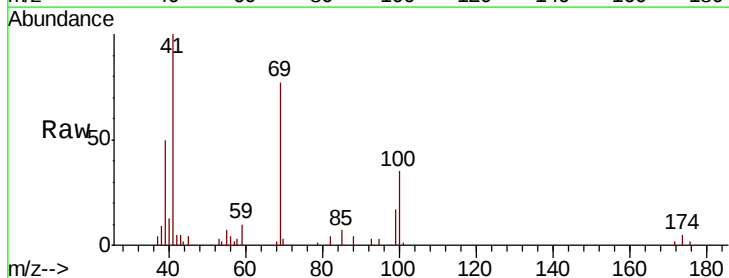
Tgt Ion: 41 Resp: 59504

Ion Ratio Lower Upper

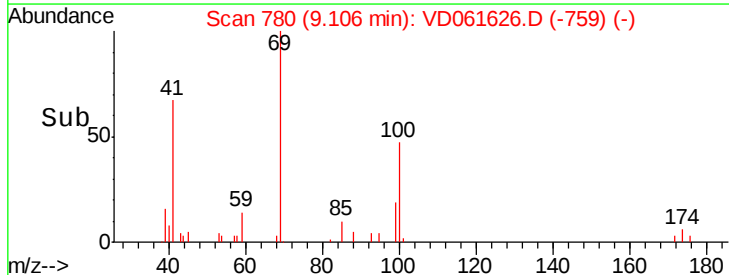
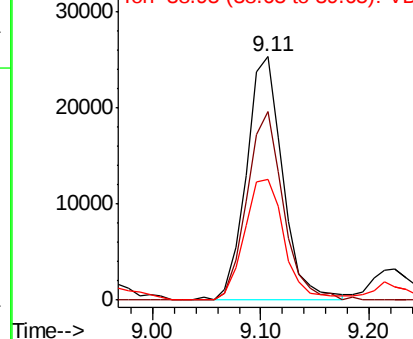
41 100

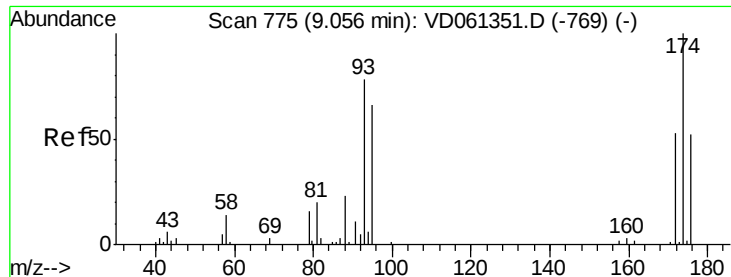
69 77.3 60.2 90.4

39 49.7 41.4 62.2



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: 469.510 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

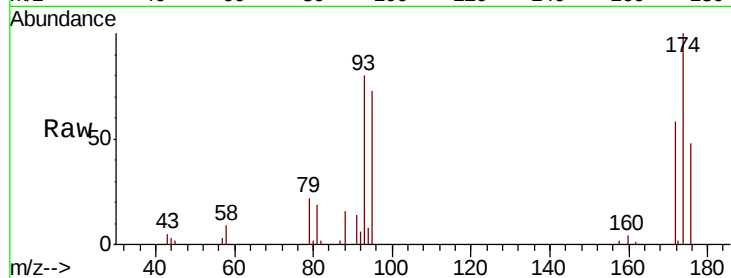
Tot Ion: 88 Resp: 12420

Ion Ratio Lower Upper

88 100

43 29.6 23.3 34.9

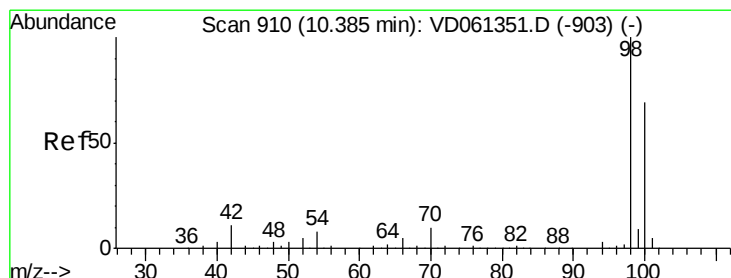
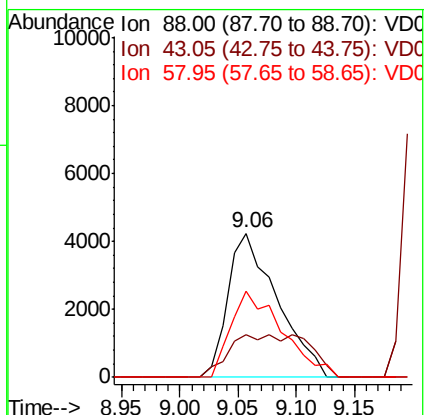
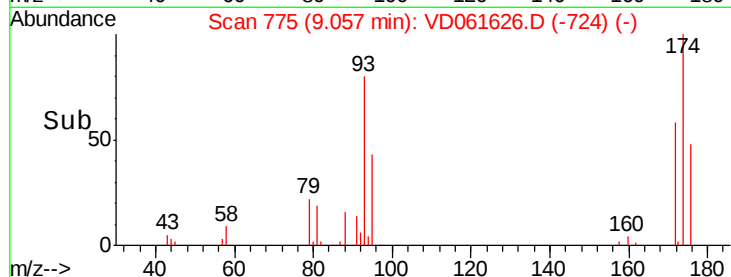
58 59.7 50.8 76.2



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: 469.510 ug/l

RT: 10.40 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061626.D

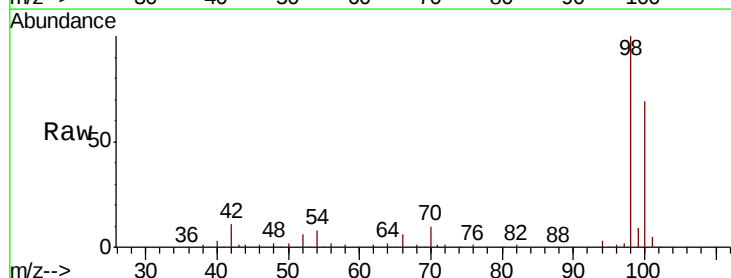
Acq: 5 Apr 2019 17:40

Tgt Ion: 98 Resp: 798483

Ion Ratio Lower Upper

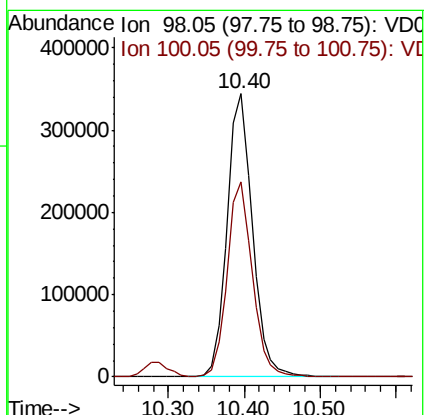
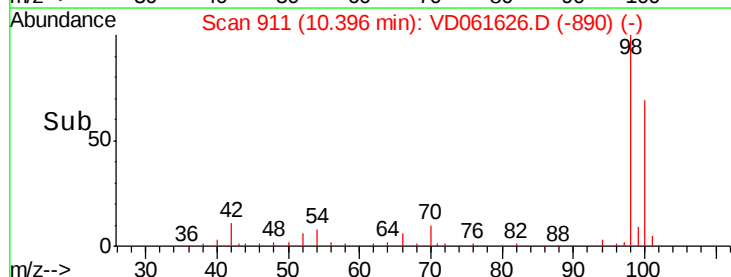
98 100

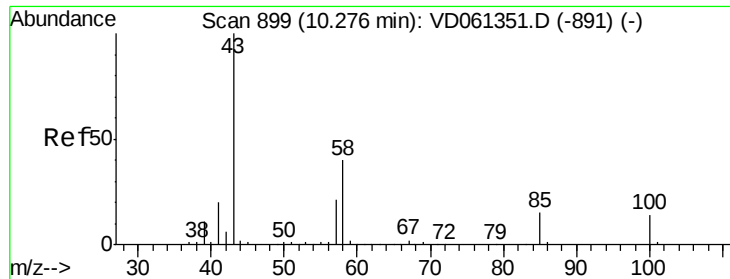
100 68.7 56.2 84.2



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: 122.110 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

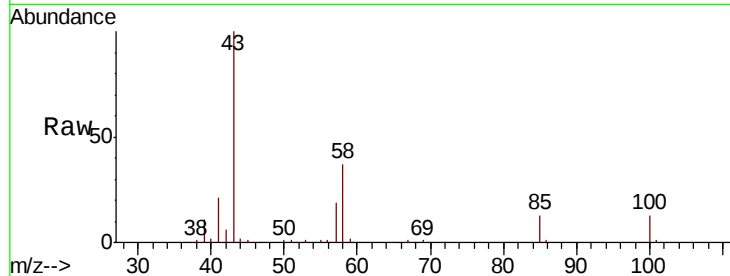
VD0405SBS01

Tot Ion: 43 Resp: 322842

Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

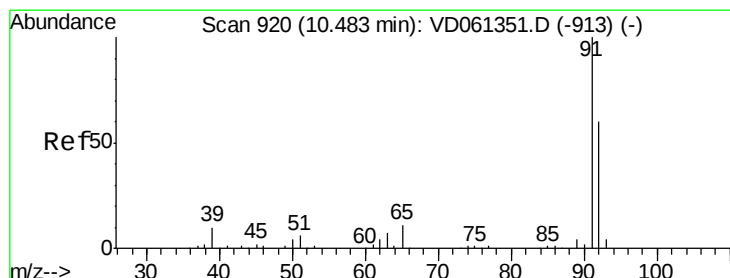
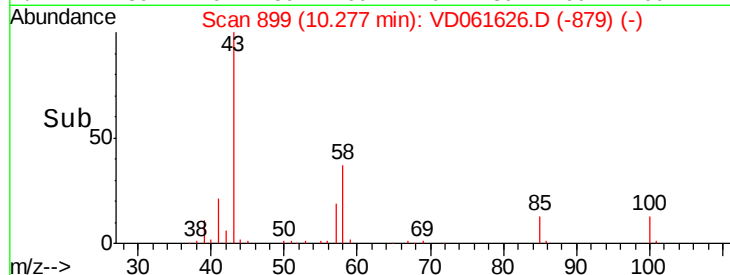
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 26.324 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061626.D

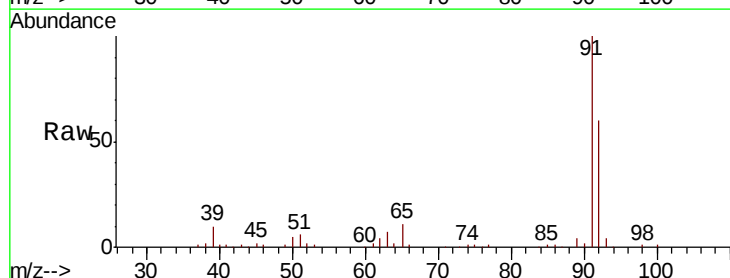
Acq: 5 Apr 2019 17:40

Tgt Ion: 92 Resp: 281477

Ion Ratio Lower Upper

92 100

91 165.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

200000

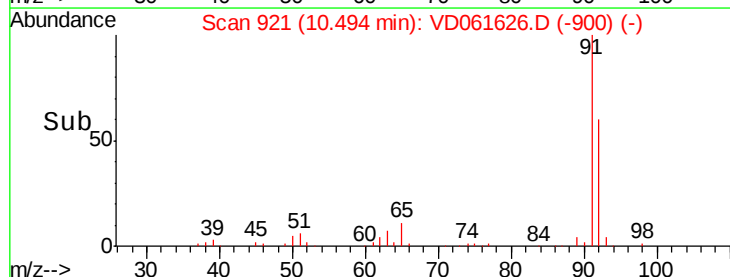
150000

100000

50000

0

Time-->

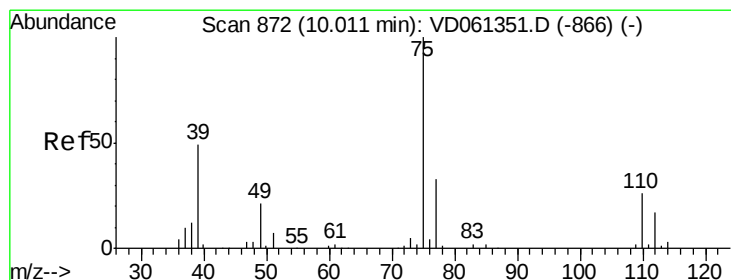
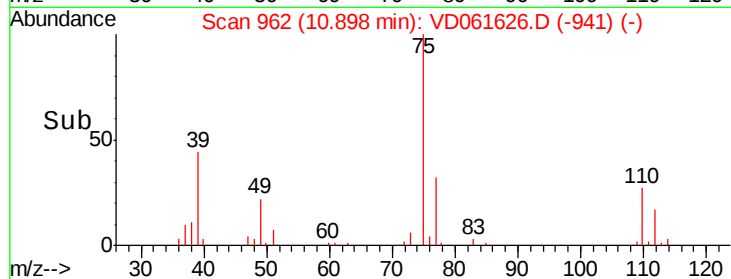
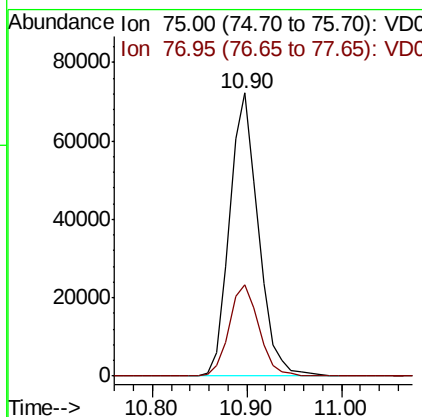
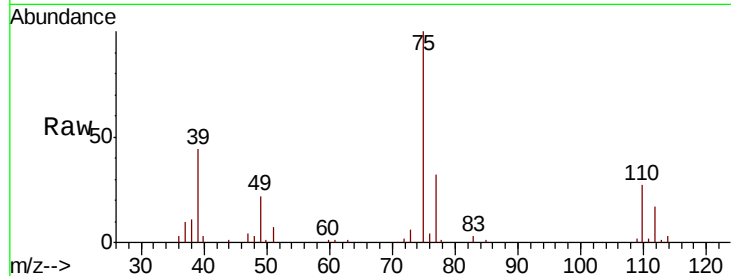




#53
t-1,3-Dichloropropene
Concen: 24.858 ug/l
RT: 10.90 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

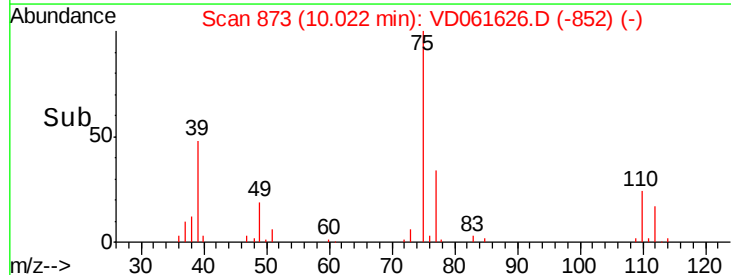
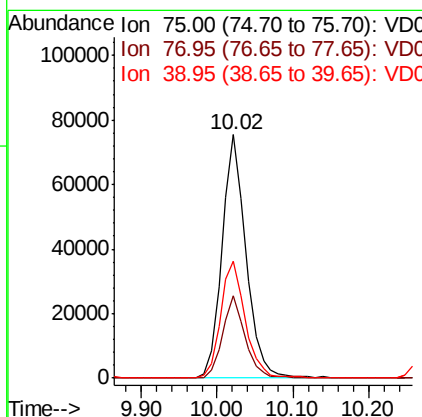
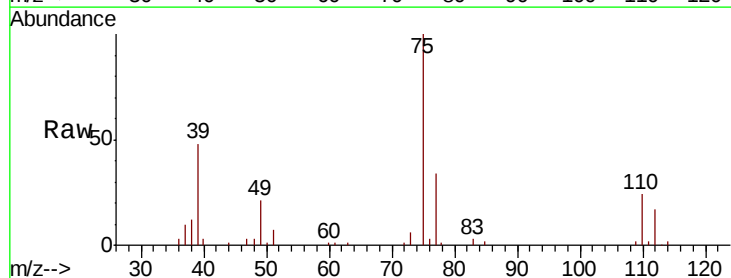
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

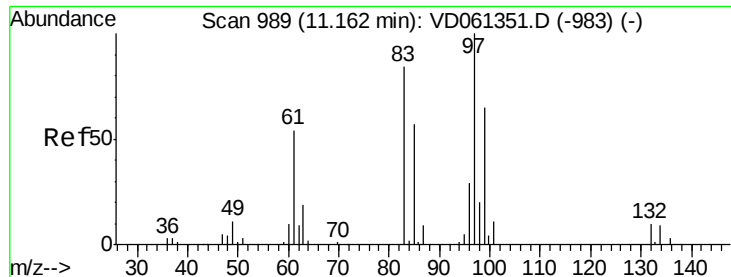
Tot Ion: 75 Resp: 151637
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 22.321 ug/l
RT: 10.02 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 165798
Ion Ratio Lower Upper
75 100
77 33.9 26.2 39.4
39 48.1 39.4 59.0

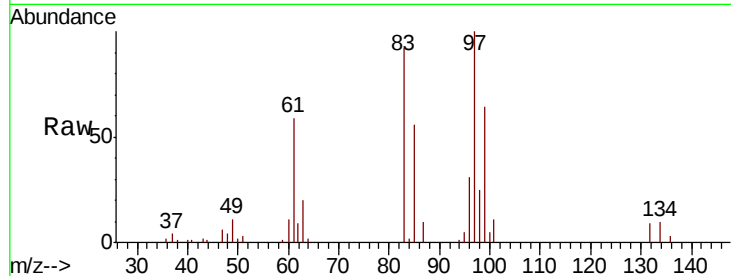




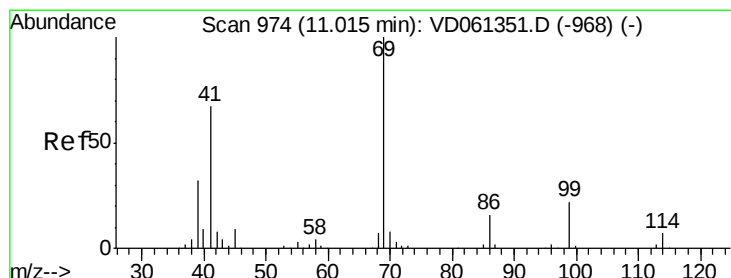
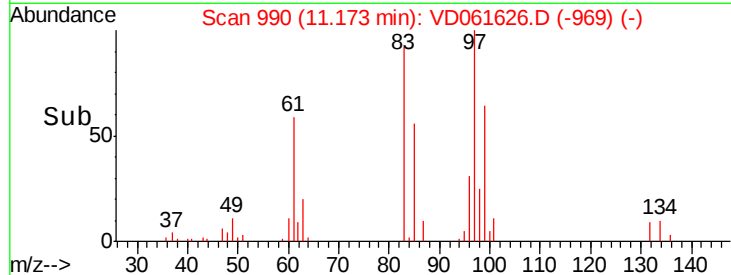
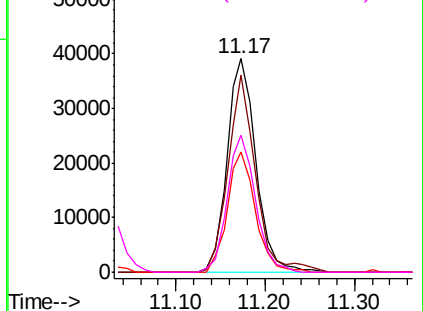
#55
 1,1,2-Trichloroethane
 Concen: 23.811 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion:	97	Resp:	89041
Ion	Ratio	Lower	Upper
97	100		
83	92.2	67.0	100.6
85	56.5	45.4	68.2
99	64.0	51.9	77.9

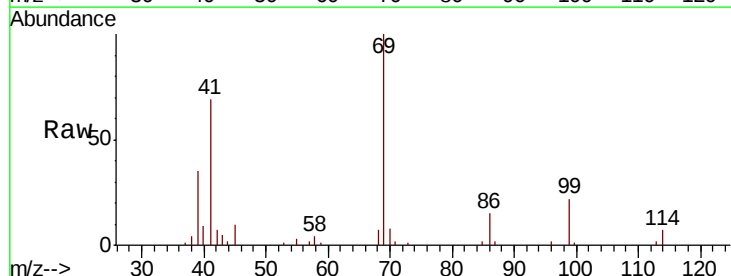


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

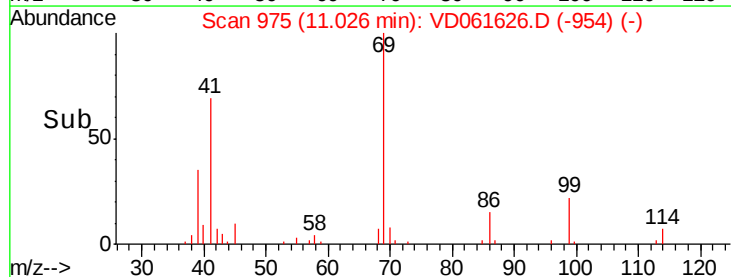
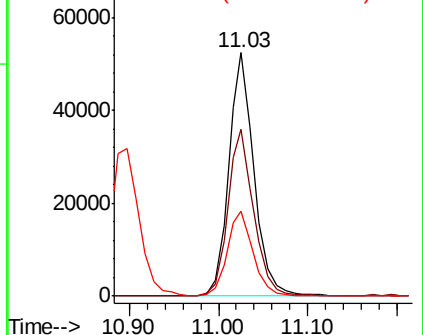


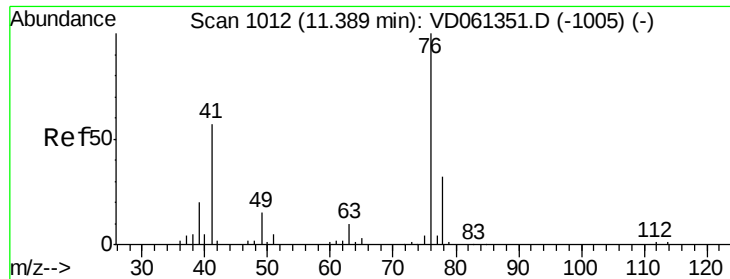
#56
 Ethyl methacrylate
 Concen: 25.801 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion:	69	Resp:	103650
Ion	Ratio	Lower	Upper
69	100		
41	68.6	53.8	80.6
39	35.0	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 25.663 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

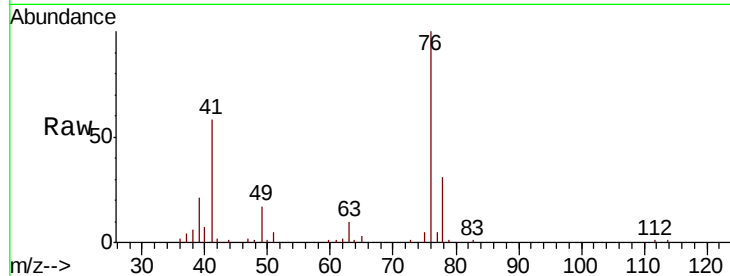
VD0405SBS01

Tot Ion: 76 Resp: 141054

Ion Ratio Lower Upper

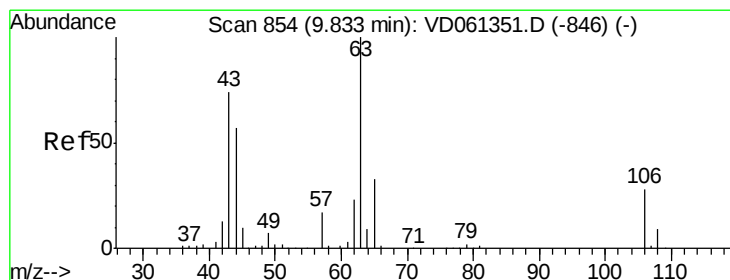
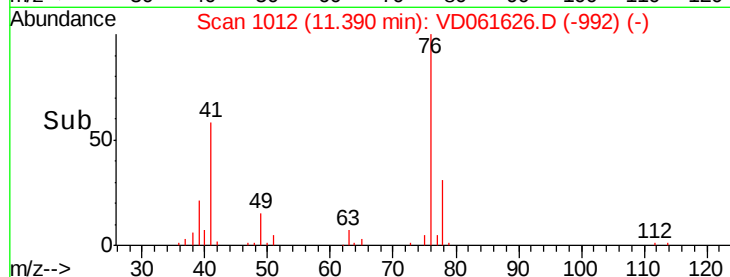
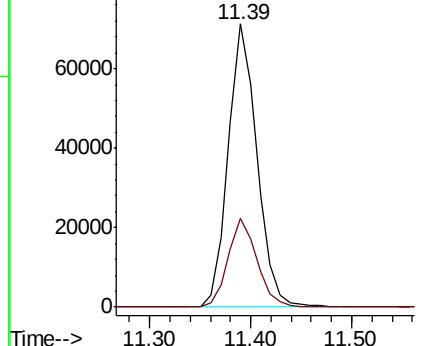
76 100

78 31.2 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 137.783 ug/l

RT: 9.84 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD061626.D

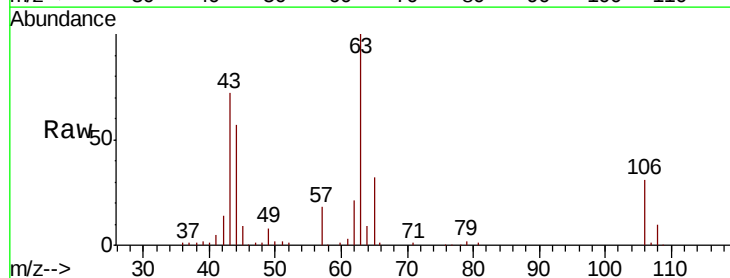
Acq: 5 Apr 2019 17:40

Tgt Ion: 63 Resp: 269554

Ion Ratio Lower Upper

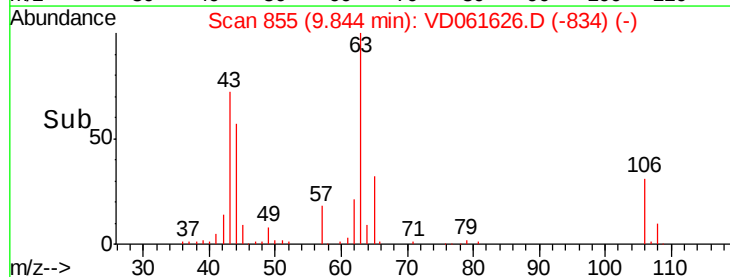
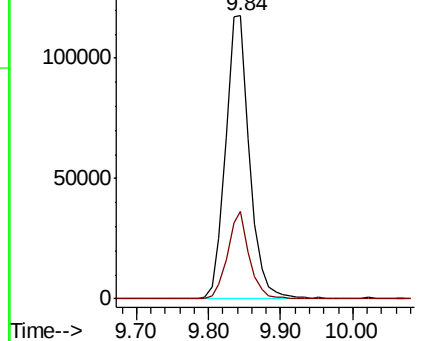
63 100

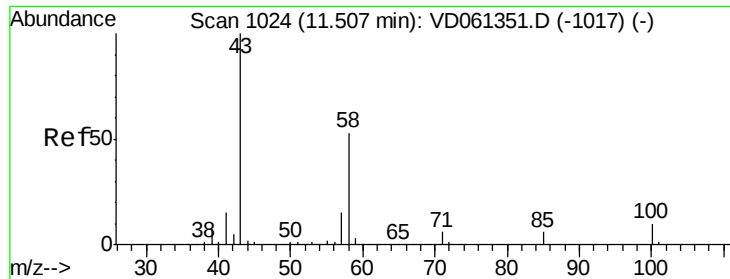
106 30.8 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

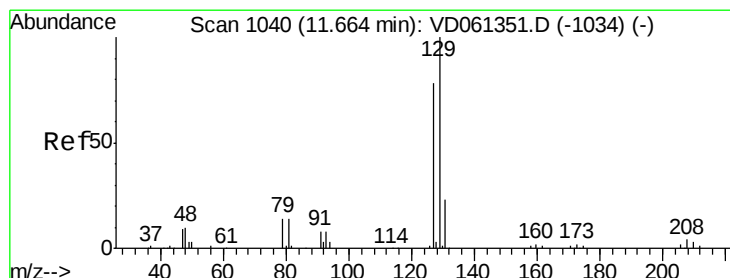
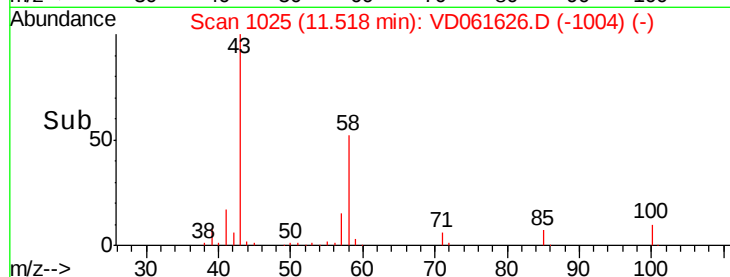
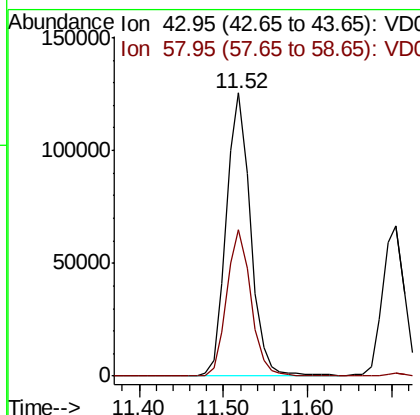
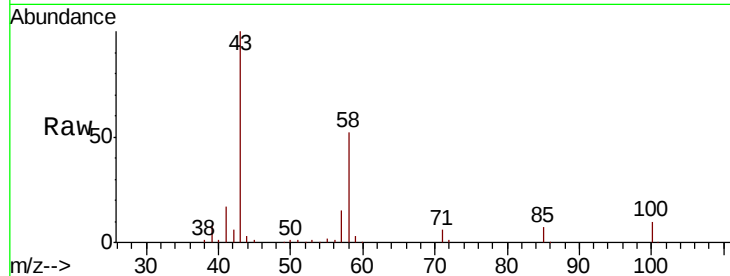




#59
2-Hexanone
Concen: 131.132 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

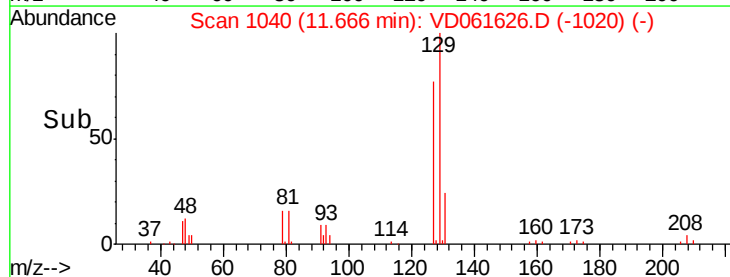
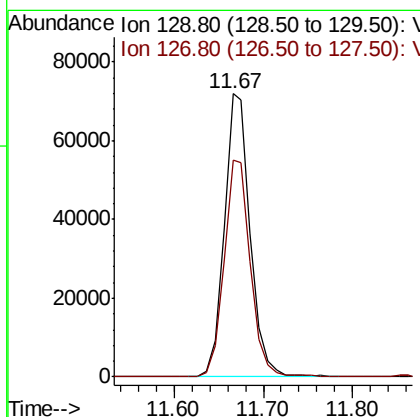
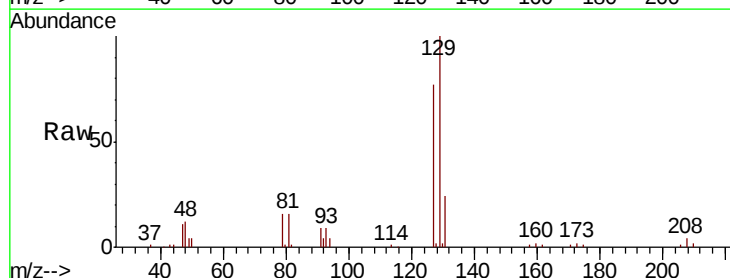
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 43 Resp: 251190
Ion Ratio Lower Upper
43 100
58 51.6 26.3 78.9



#60
Dibromochloromethane
Concen: 25.372 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 129 Resp: 146267
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9

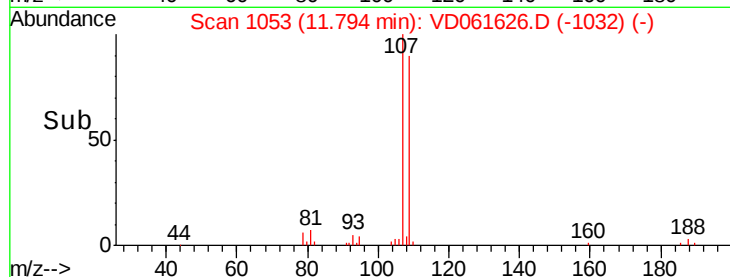
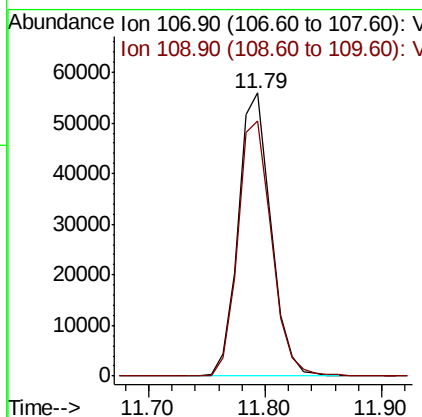
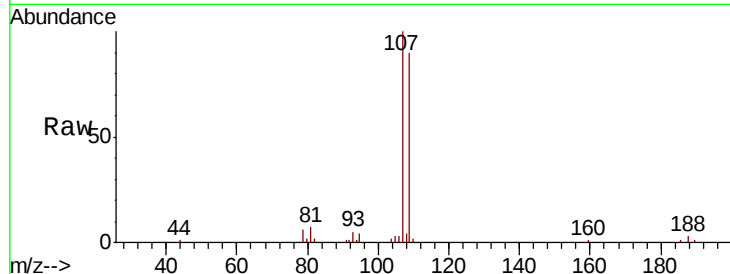




#61
 1,2-Dibromoethane
 Concen: 25.009 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

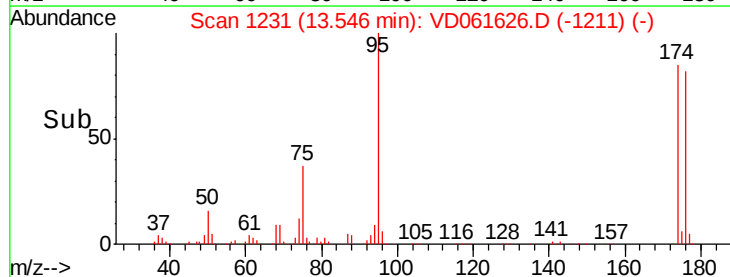
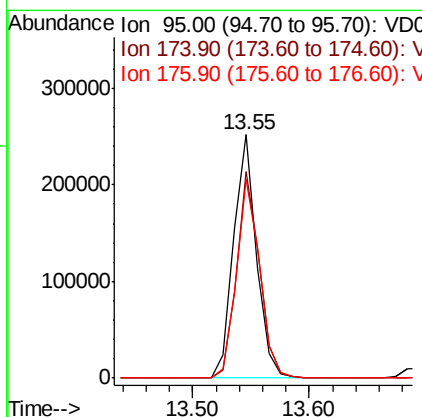
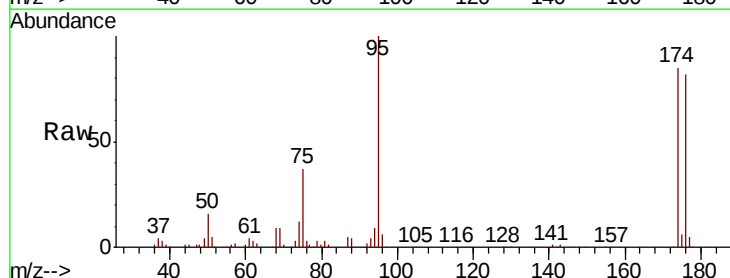
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion: 107 Resp: 108294
 Ion Ratio Lower Upper
 107 100
 109 90.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 25.009 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 95 Resp: 340799
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 178.0
 176 81.9 0.0 175.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

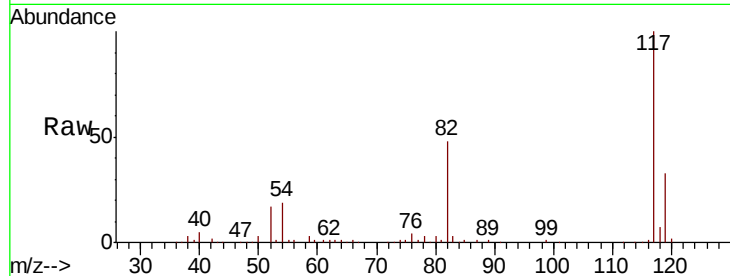
Tot Ion:117 Resp: 682710

Ion Ratio Lower Upper

117 100

82 48.0 34.4 51.6

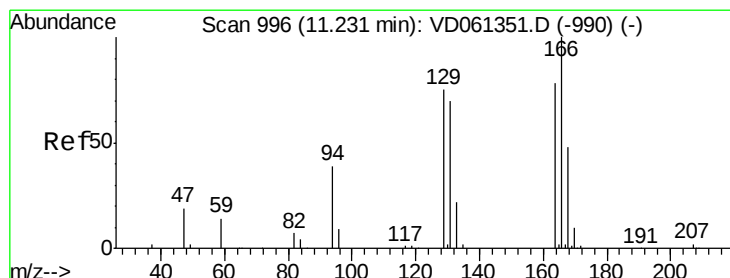
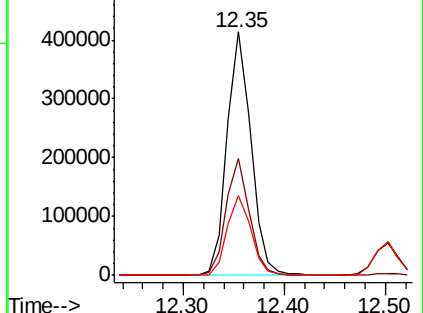
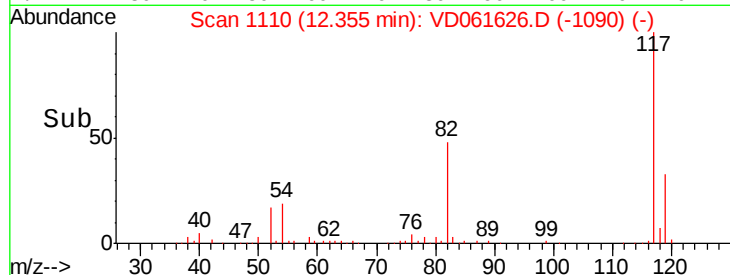
119 32.5 25.8 38.6



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 22.936 ug/l

RT: 11.24 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Tgt Ion:164 Resp: 122893

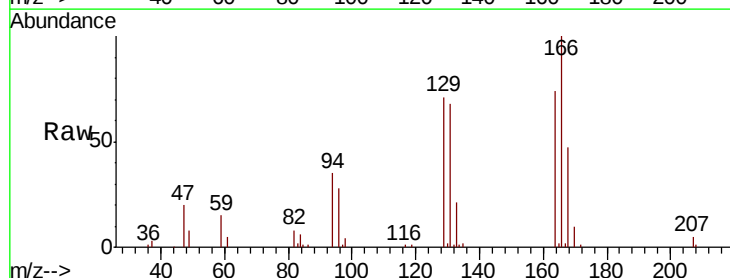
Ion Ratio Lower Upper

164 100

166 135.3 102.4 153.6

129 95.7 76.8 115.2

131 91.9 71.8 107.6

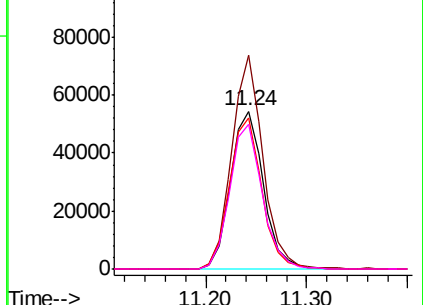
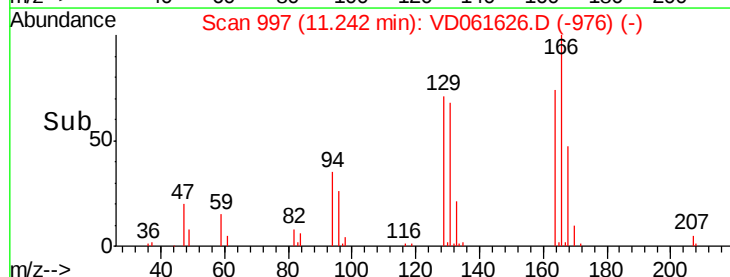


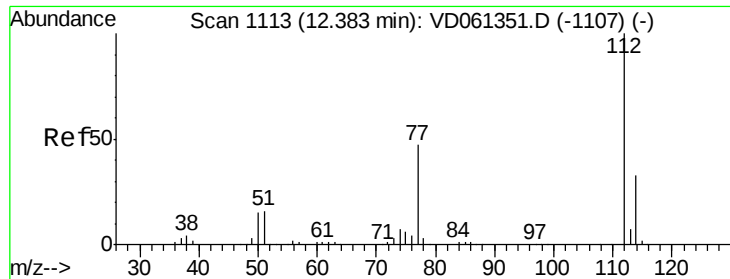
Abundance Ion 163.85 (163.55 to 164.55): V

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

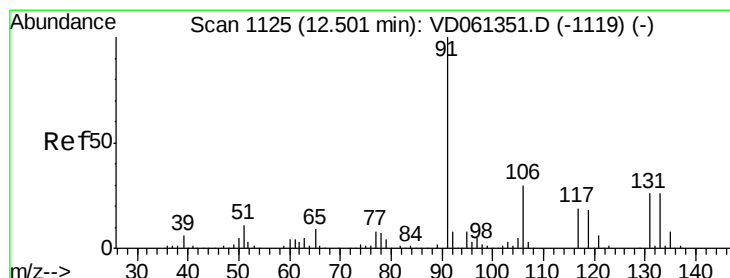
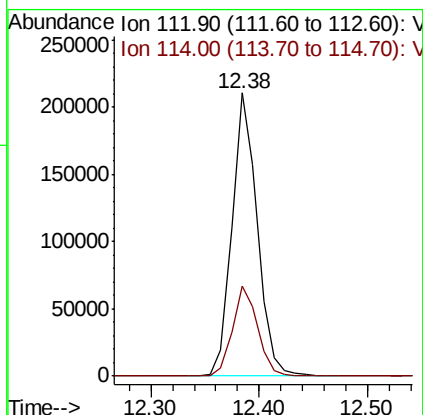
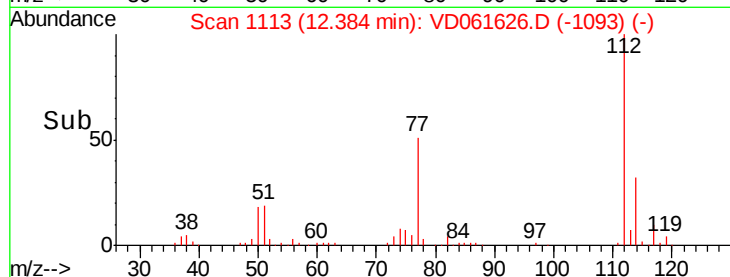
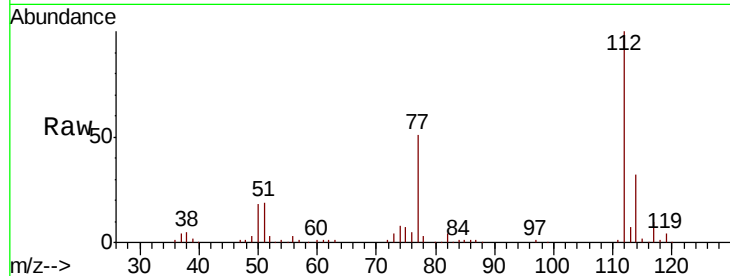




#65
Chlorobenzene
Concen: 24.438 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

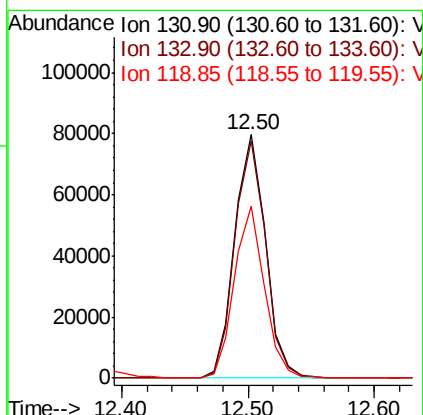
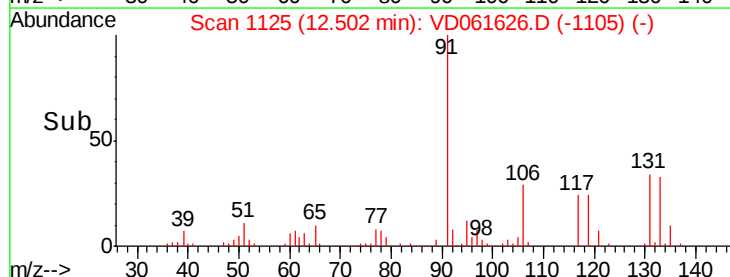
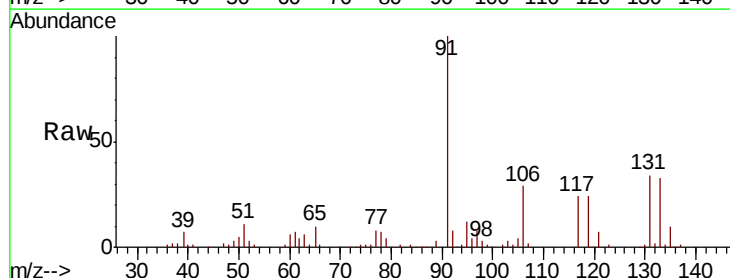
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion:112 Resp: 340970
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.979 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:131 Resp: 134944
Ion Ratio Lower Upper
131 100
133 97.4 49.4 148.2
119 70.7 34.1 102.2

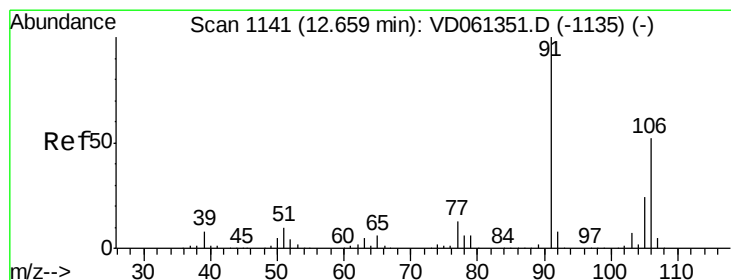
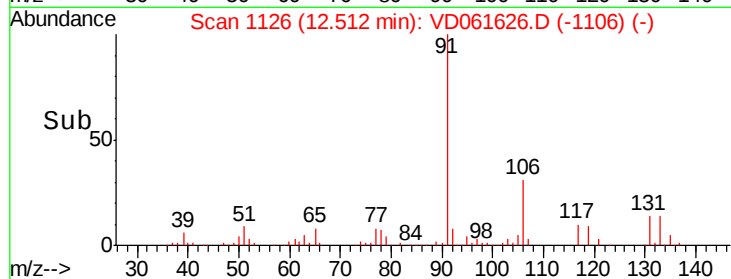
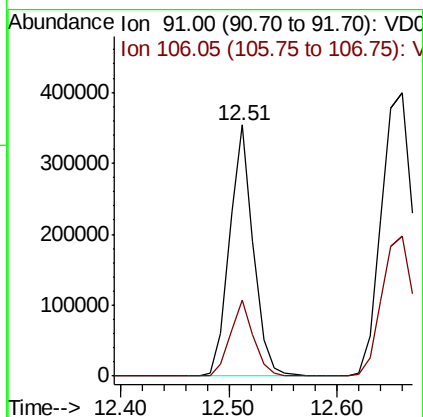
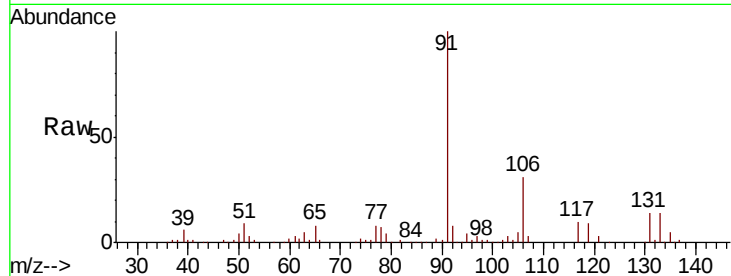




#67
Ethyl Benzene
Concen: 25.358 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

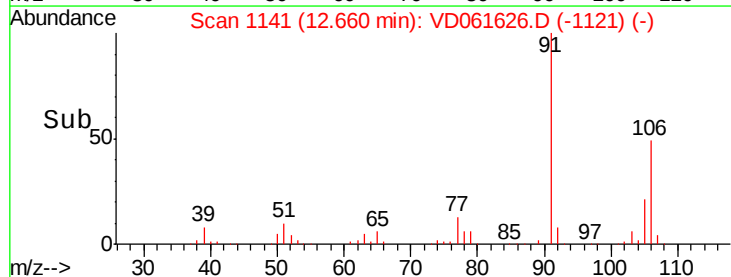
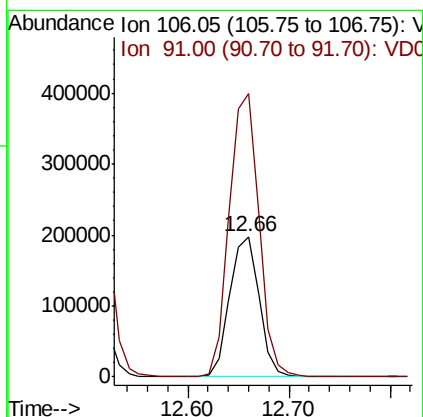
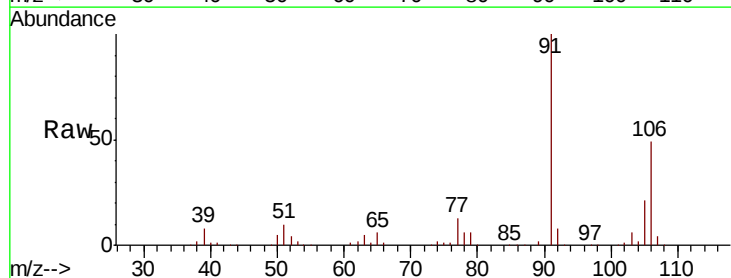
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 91 Resp: 540028
Ion Ratio Lower Upper
91 100
106 30.5 26.1 39.1



#68
m/p-Xylenes
Concen: 49.685 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:106 Resp: 400820
Ion Ratio Lower Upper
106 100
91 202.2 153.1 229.7

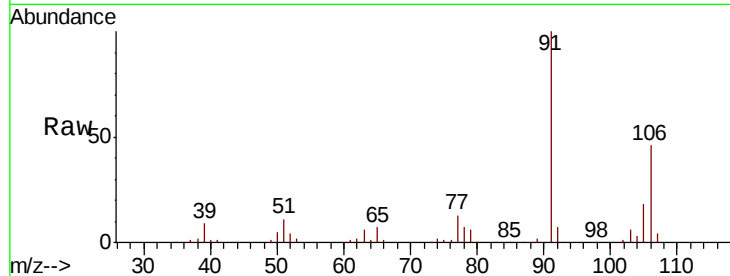




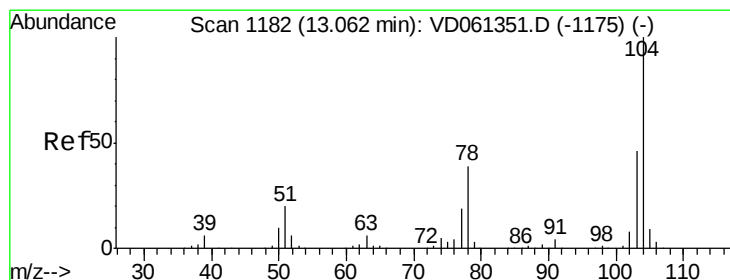
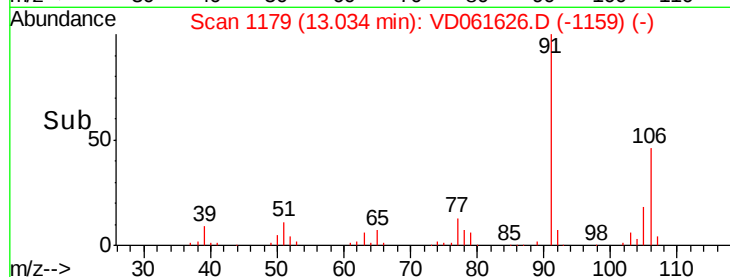
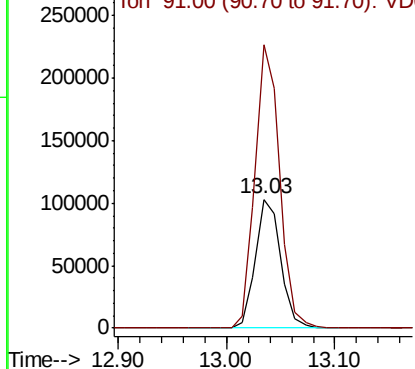
#69
o-Xylene
Concen: 21.601 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleID :
VD0405SBS01

Tot Ion:106 Resp: 169103
Ion Ratio Lower Upper
106 100
91 219.4 103.8 311.3

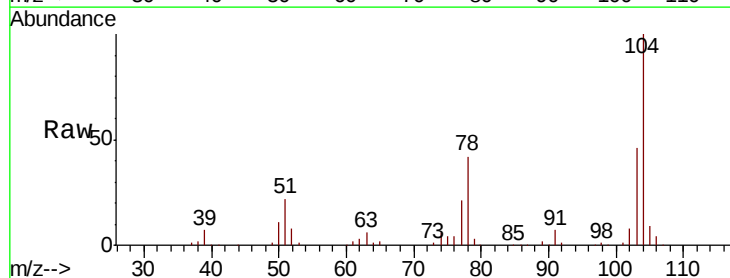


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

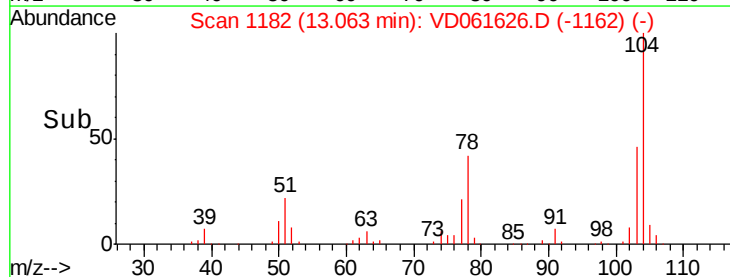
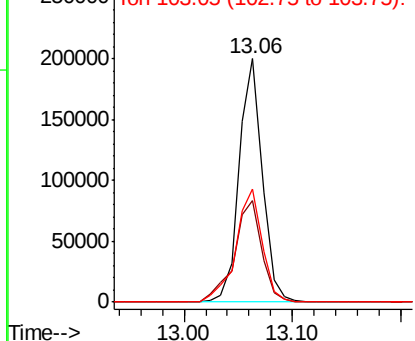


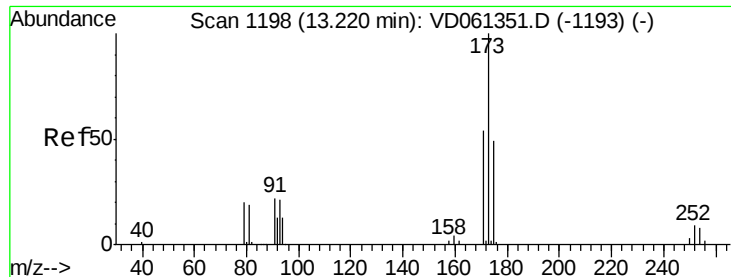
#70
Styrene
Concen: 21.819 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:104 Resp: 297760
Ion Ratio Lower Upper
104 100
78 41.9 31.0 46.6
103 46.2 37.0 55.4



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

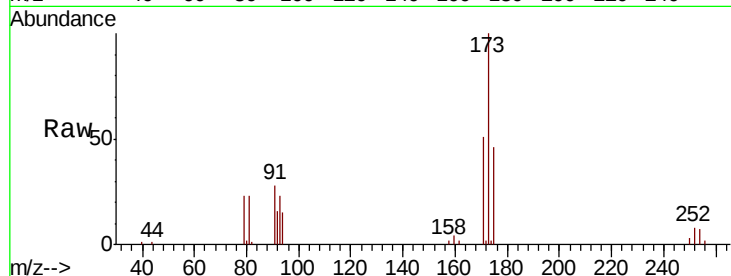




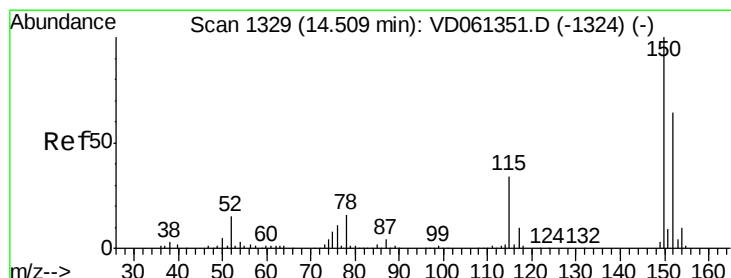
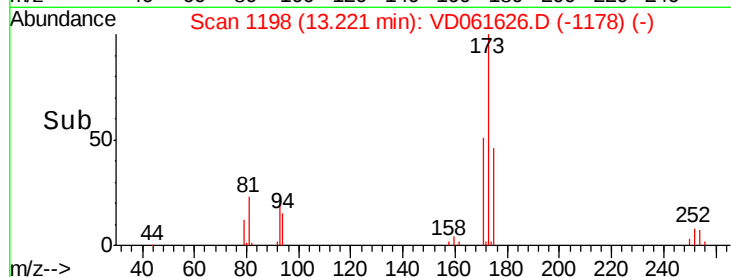
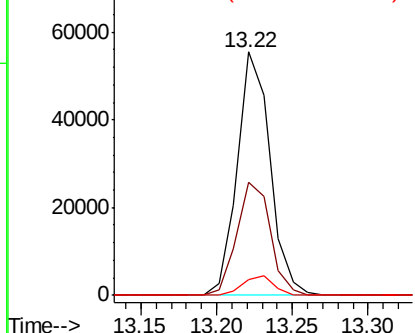
#71
Bromoform
Concen: 24.387 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion:173 Resp: 83514
Ion Ratio Lower Upper
173 100
175 46.4 24.6 73.8
254 6.5 6.6 10.0#

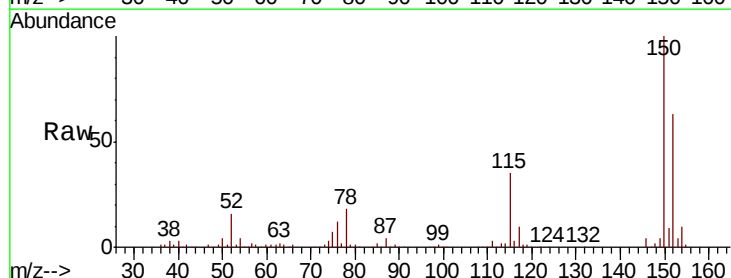


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

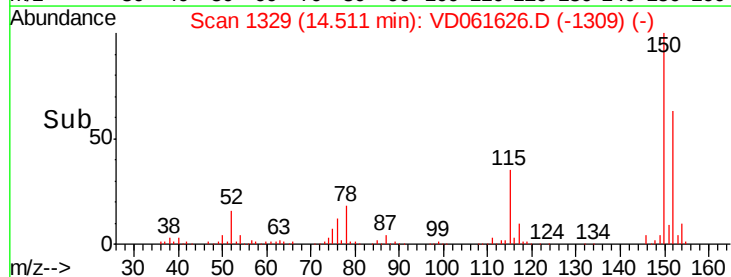
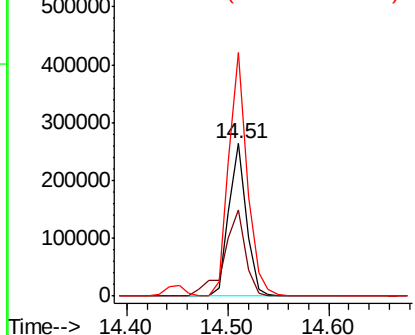


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:152 Resp: 320643
Ion Ratio Lower Upper
152 100
115 56.3 26.9 80.6
150 159.5 0.0 318.0



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





#73

Isopropylbenzene

Concen: 25.412 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

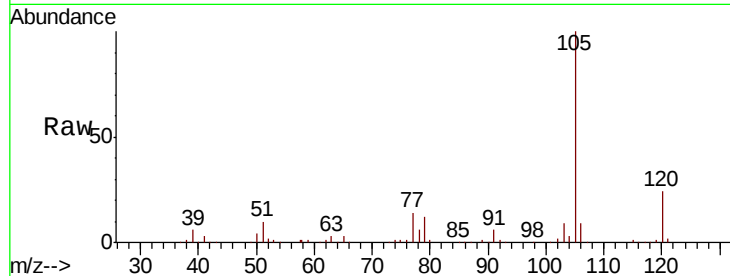
VD0405SBS01

Tot Ion:105 Resp: 567112

Ion Ratio Lower Upper

105 100

120 23.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

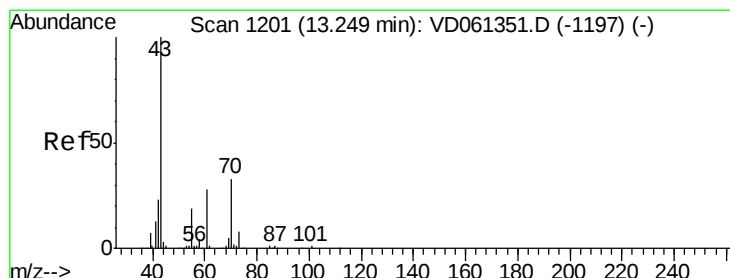
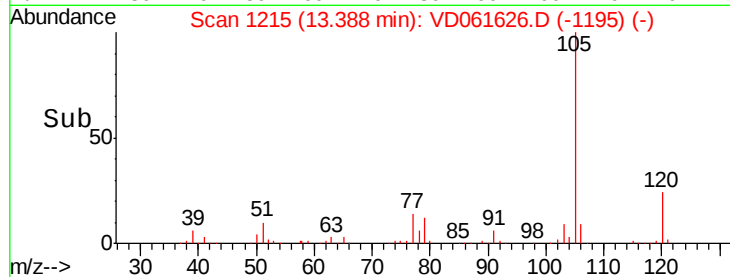
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.612 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Tgt Ion: 43 Resp: 128138

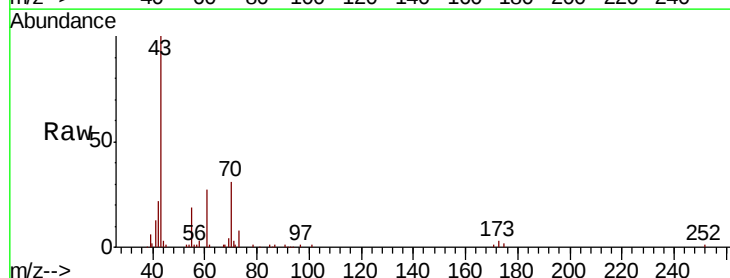
Ion Ratio Lower Upper

43 100

70 30.7 26.6 40.0

55 19.5 15.4 23.2

61 26.9 22.2 33.4



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

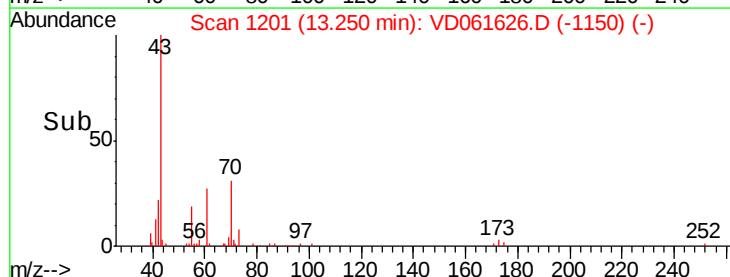
Ion 60.95 (60.65 to 61.65): VDC

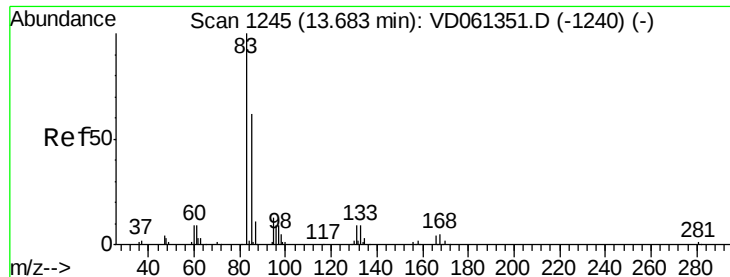
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 22.459 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

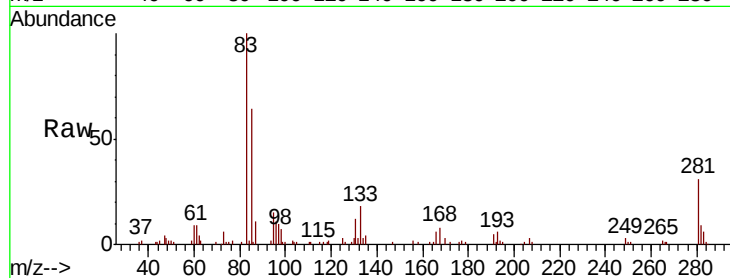
Tot Ion: 83 Resp: 105727

Ion Ratio Lower Upper

83 100

131 11.8 4.3 13.1

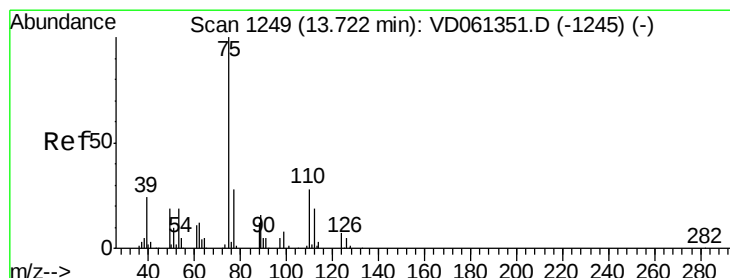
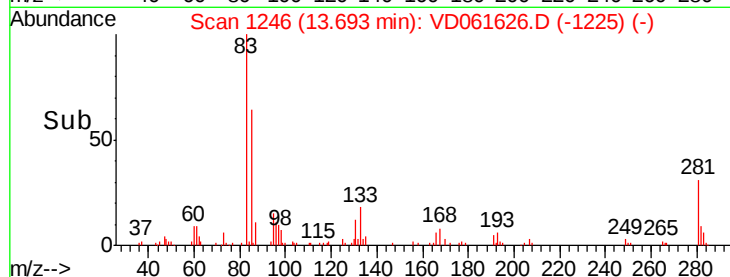
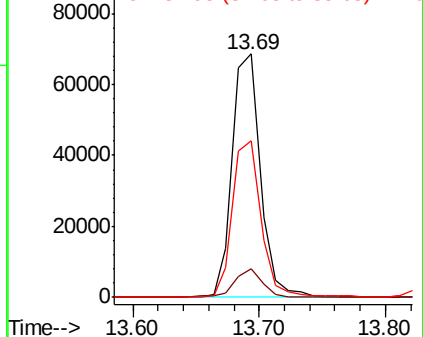
85 64.1 31.2 93.6



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: 22.374 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061626.D

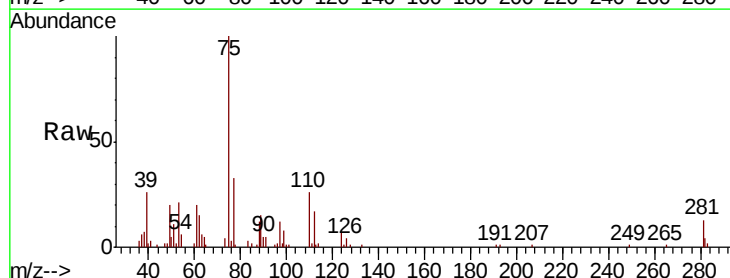
Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 103632

Ion Ratio Lower Upper

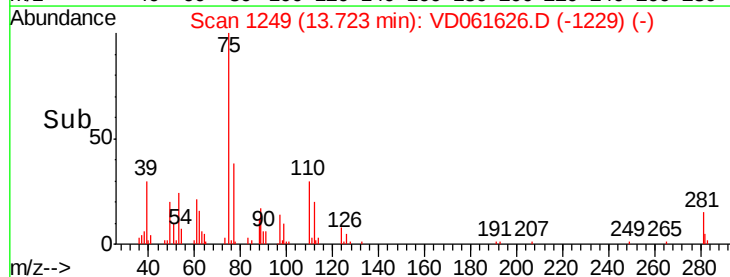
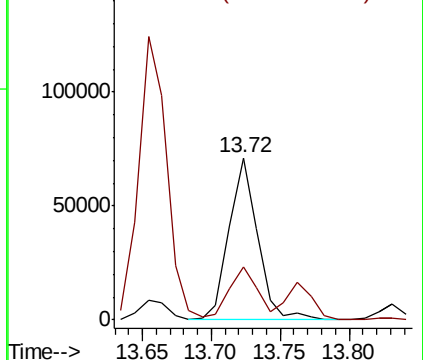
75 100

77 32.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.778 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

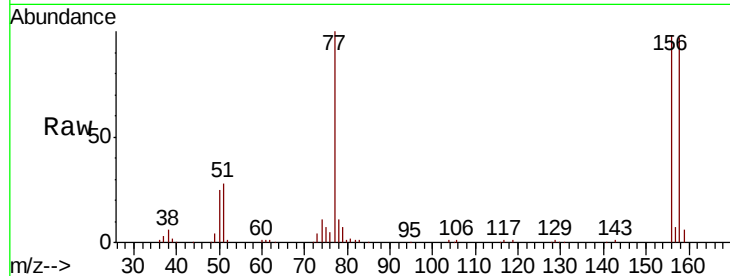
Tot Ion:156 Resp: 144082

Ion Ratio Lower Upper

156 100

77 101.5 68.5 205.6

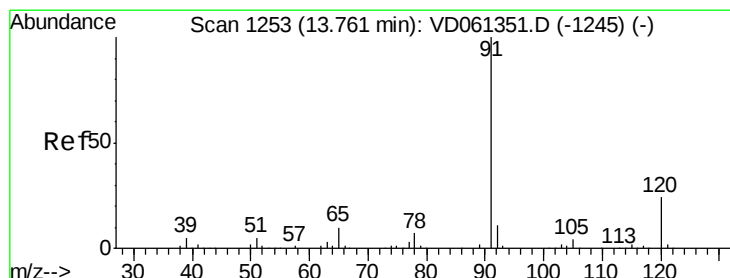
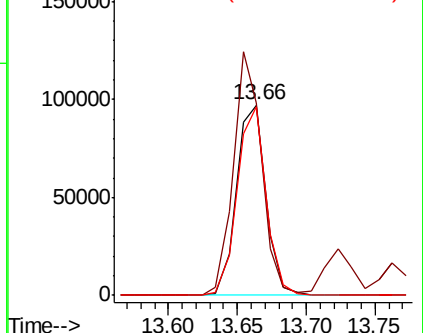
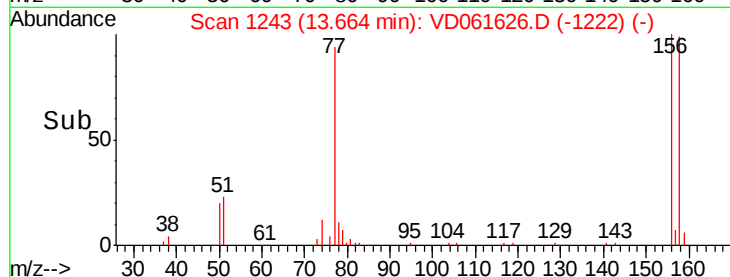
158 98.9 49.1 147.3



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: 21.306 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061626.D

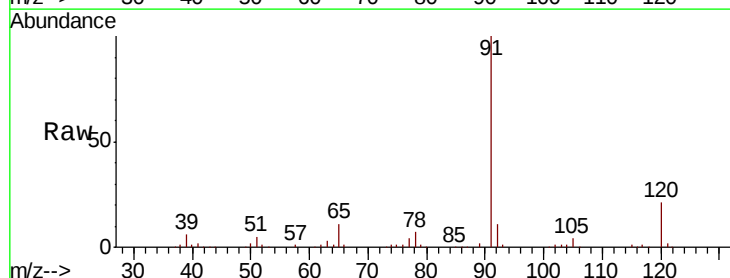
Acq: 5 Apr 2019 17:40

Tgt Ion: 91 Resp: 581874

Ion Ratio Lower Upper

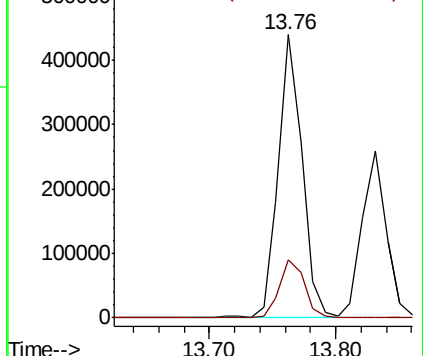
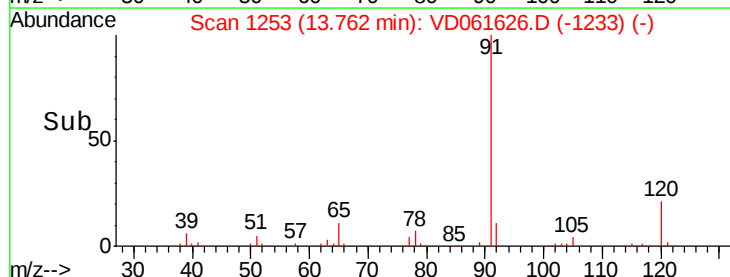
91 100

120 20.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

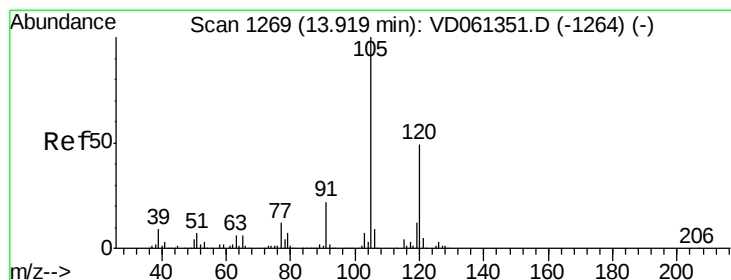
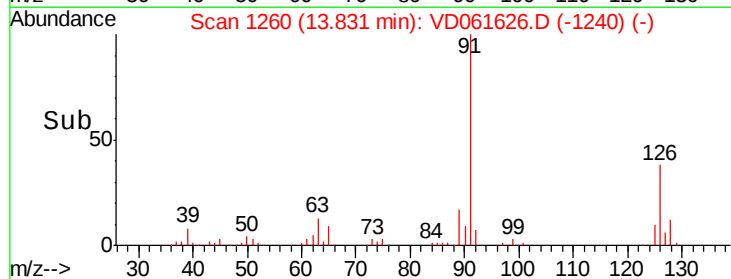
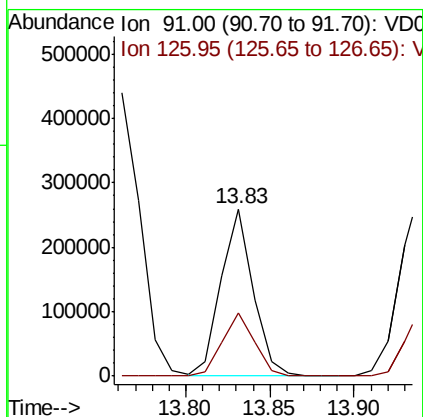
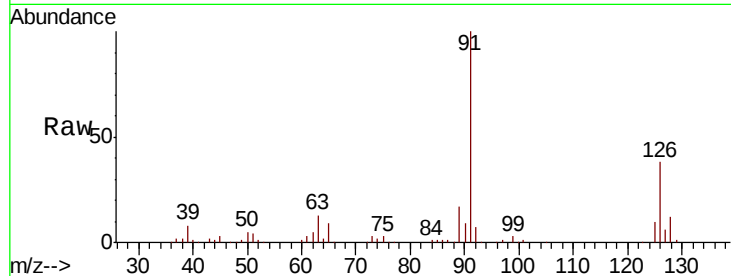




#79
 2-Chlorotoluene
 Concen: 23.215 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

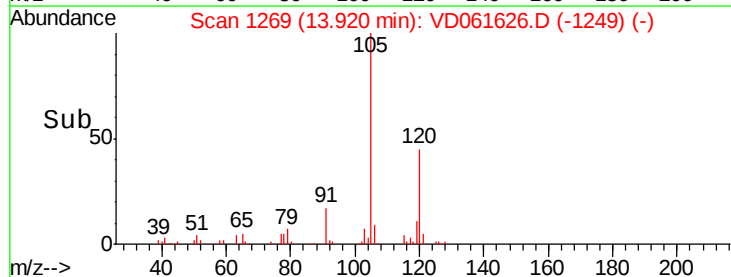
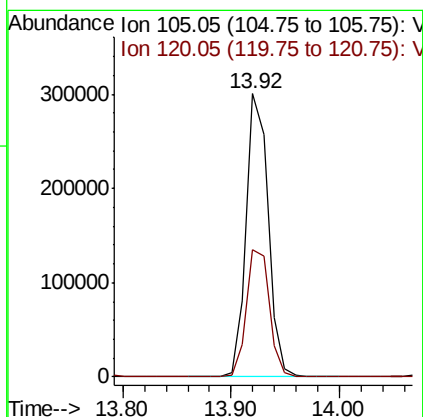
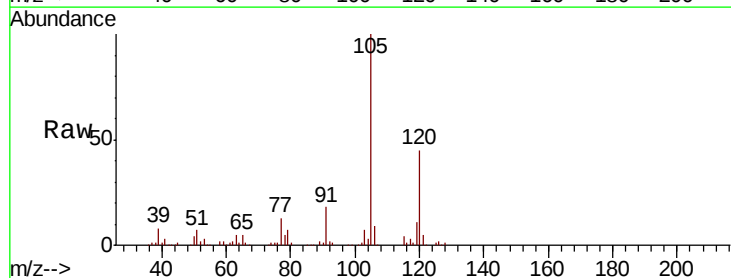
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion: 91 Resp: 344253
 Ion Ratio Lower Upper
 91 100
 126 38.1 19.4 58.2



#80
 1,3,5-Trimethylbenzene
 Concen: 24.467 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 105 Resp: 423646
 Ion Ratio Lower Upper
 105 100
 120 44.9 24.6 73.6

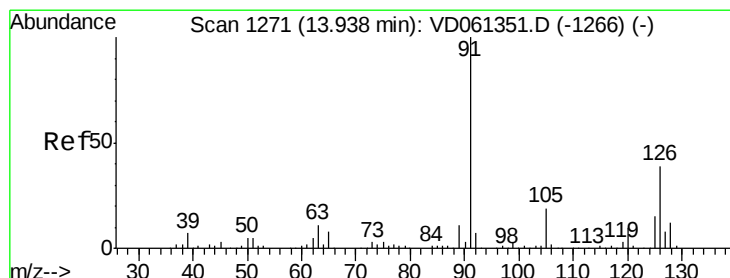
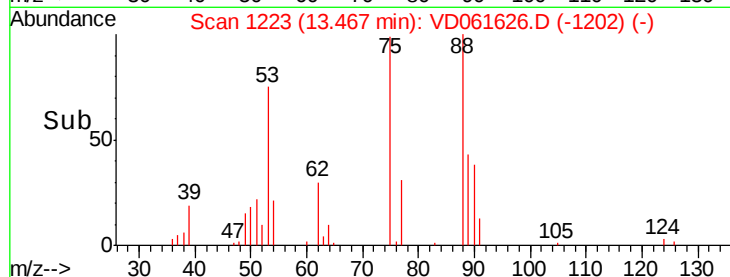
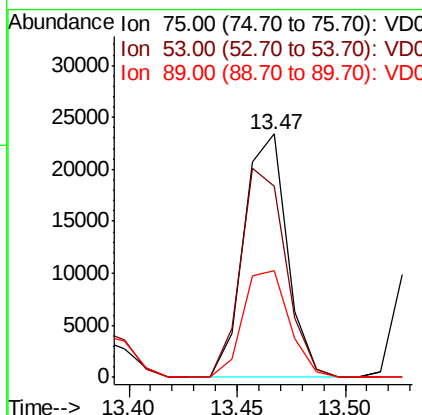
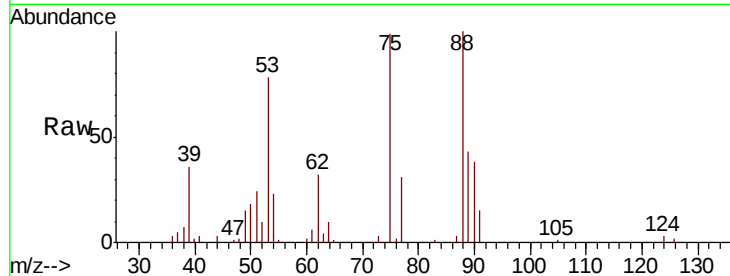




#81
trans-1,4-Dichloro-2-butene
Concen: 23.167 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

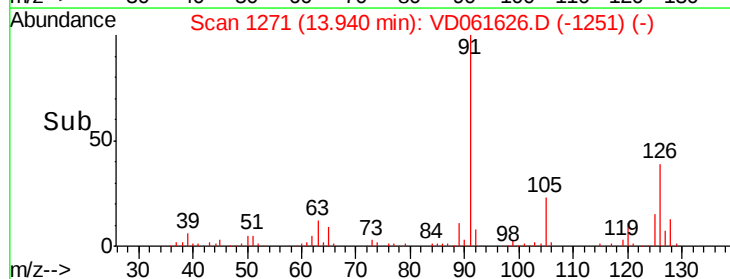
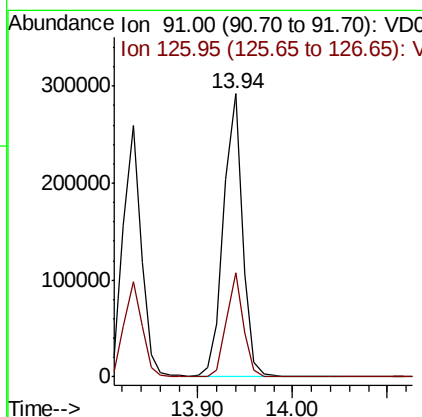
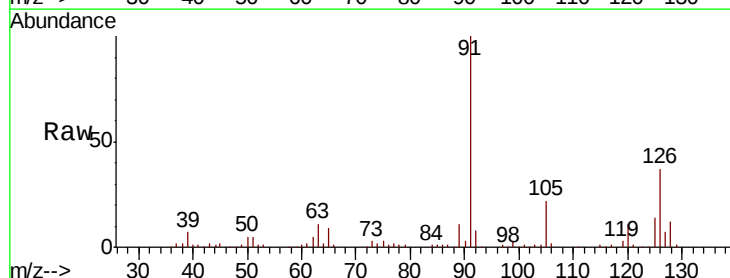
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 75 Resp: 32717
Ion Ratio Lower Upper
75 100
53 78.5 63.8 95.8
89 43.6 30.5 45.7



#82
4-Chlorotoluene
Concen: 25.086 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 91 Resp: 404475
Ion Ratio Lower Upper
91 100
126 36.8 19.6 58.8

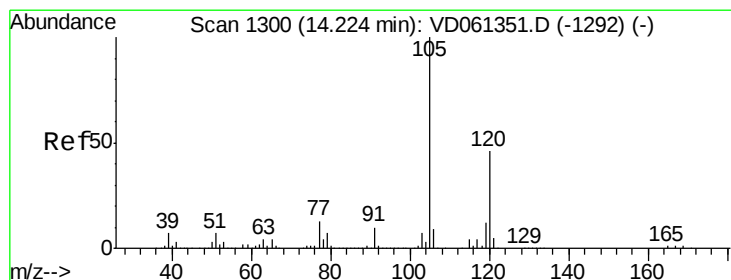
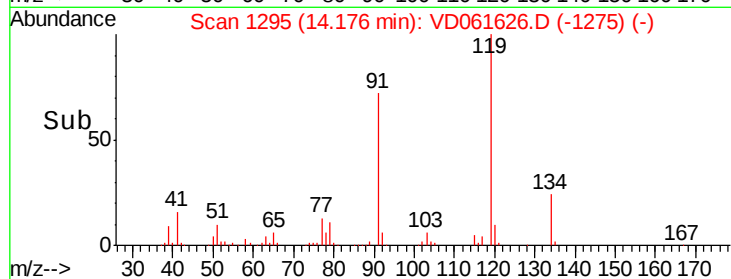
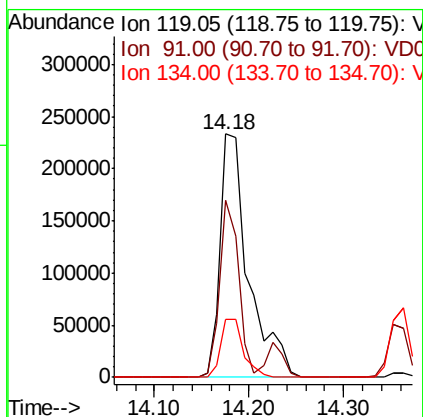
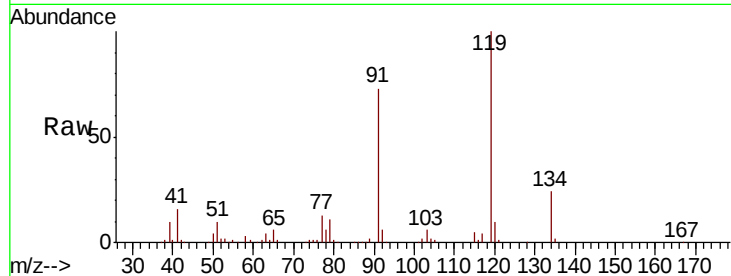




#83
tert-Butylbenzene
Concen: 22.406 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

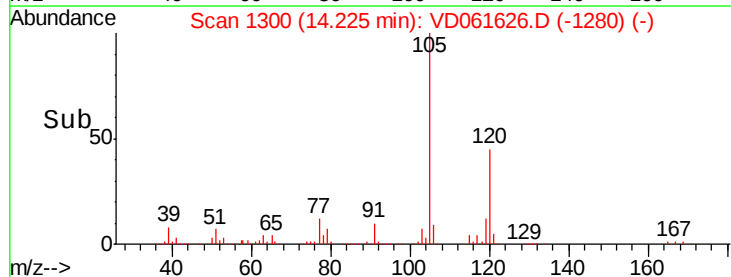
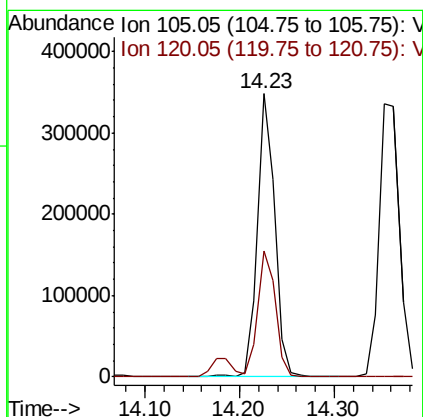
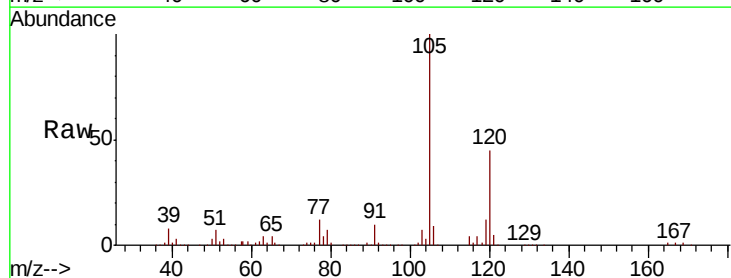
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion:119 Resp: 484844
Ion Ratio Lower Upper
119 100
91 72.8 34.1 102.3
134 23.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 23.652 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:105 Resp: 443374
Ion Ratio Lower Upper
105 100
120 44.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.031 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

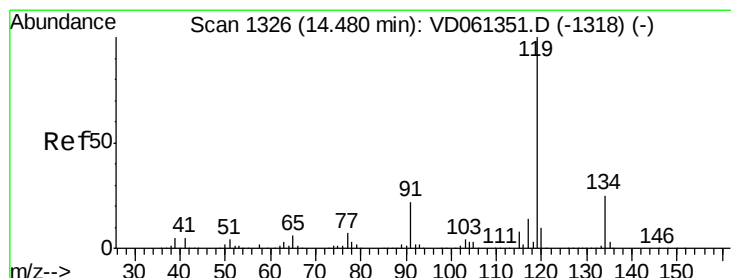
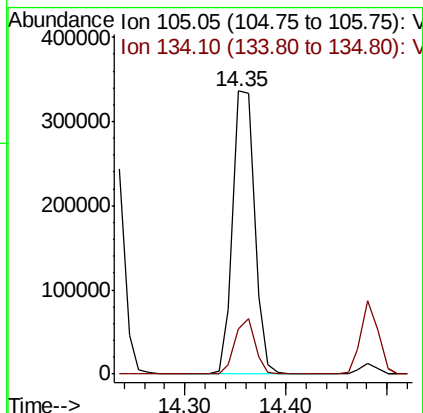
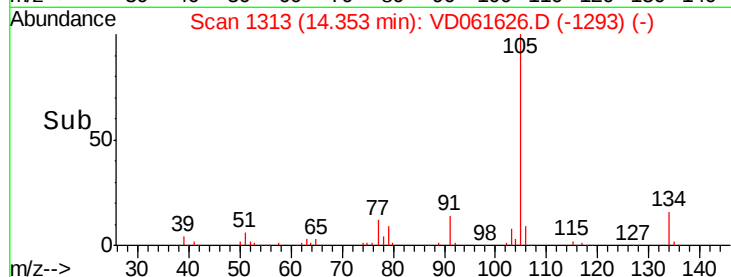
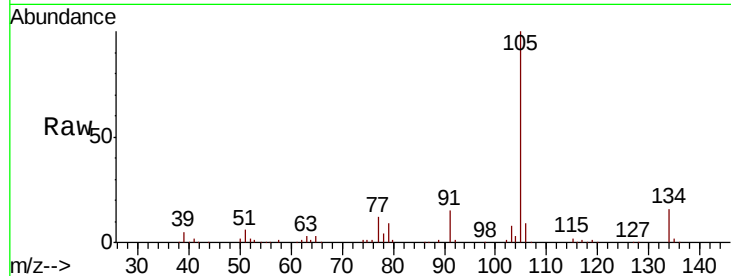
VD0405SBS01

Tot Ion:105 Resp: 506442

Ion Ratio Lower Upper

105 100

134 16.1 8.7 26.1



#86

p-Isopropyltoluene

Concen: 22.442 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061626.D

Acq: 5 Apr 2019 17:40

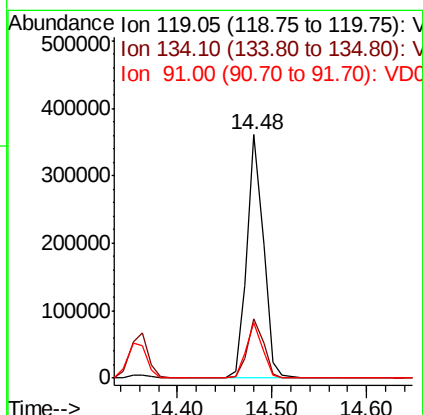
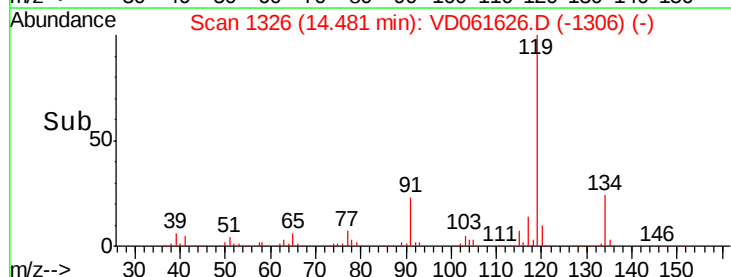
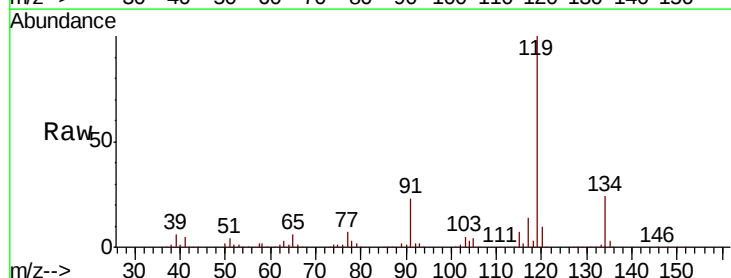
Tgt Ion:119 Resp: 436244

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

91 22.8 11.1 33.1

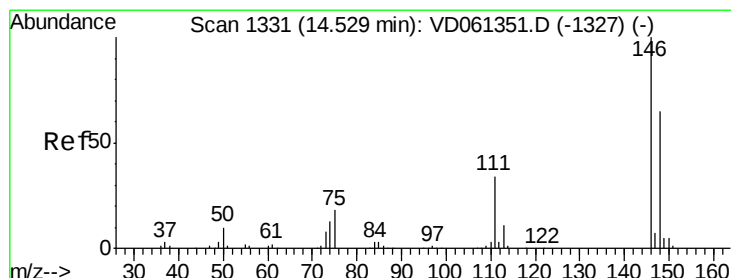
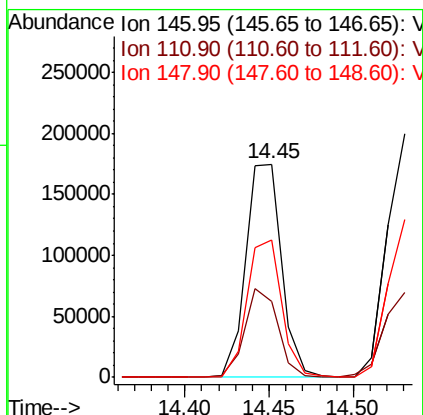
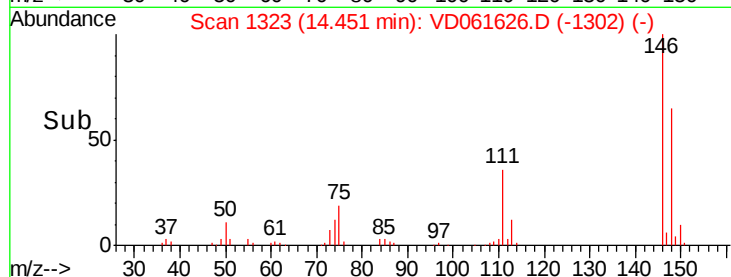
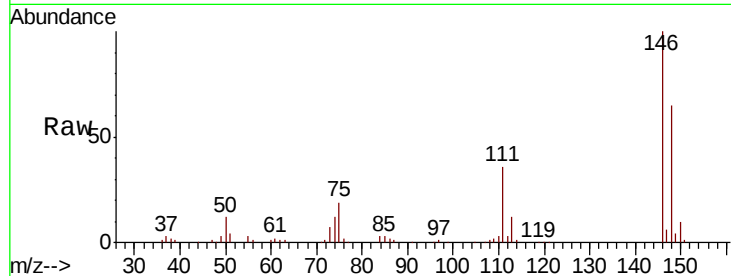




#87
 1,3-Dichlorobenzene
 Concen: 22.982 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

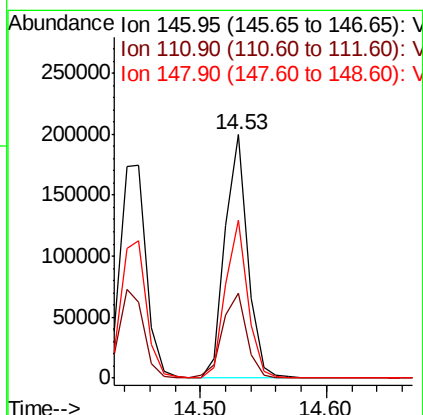
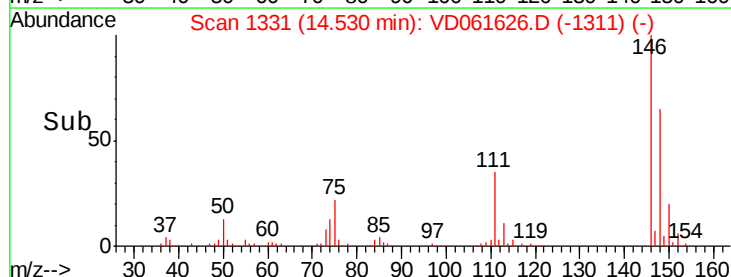
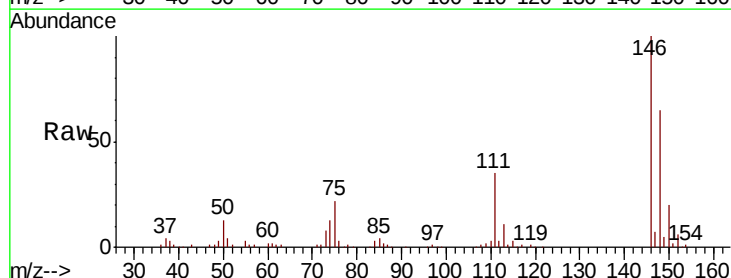
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion:146 Resp: 257476
 Ion Ratio Lower Upper
 146 100
 111 35.8 20.6 61.9
 148 64.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.650 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion:146 Resp: 247464
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.8 50.4
 148 64.8 32.6 98.0

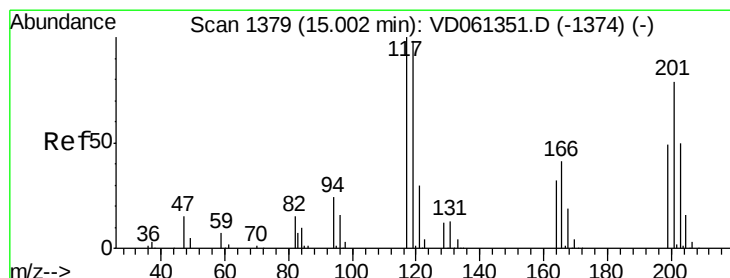
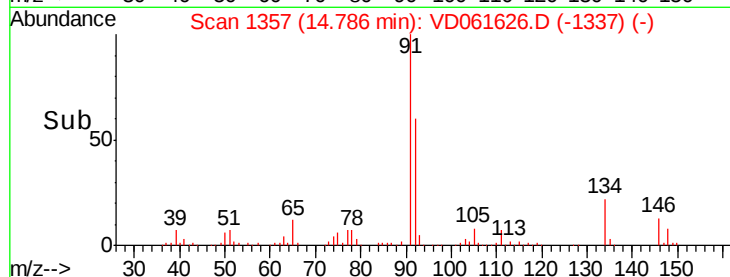
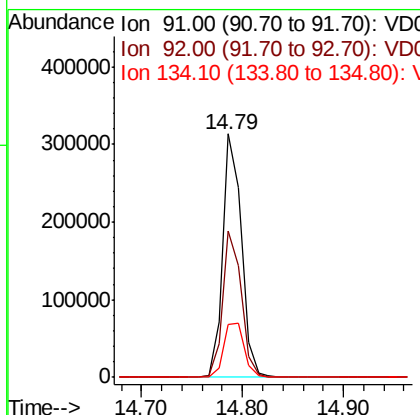
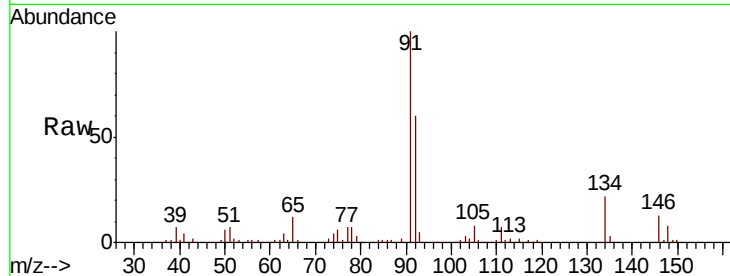




#89
n-Butylbenzene
Concen: 22.789 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

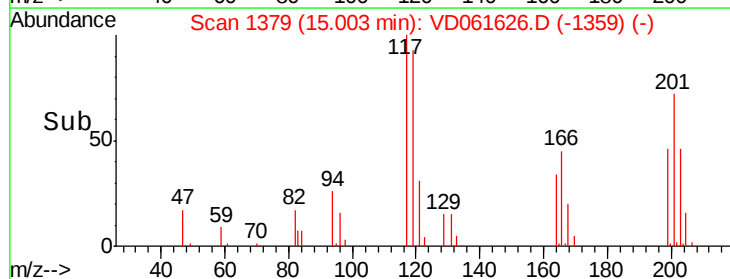
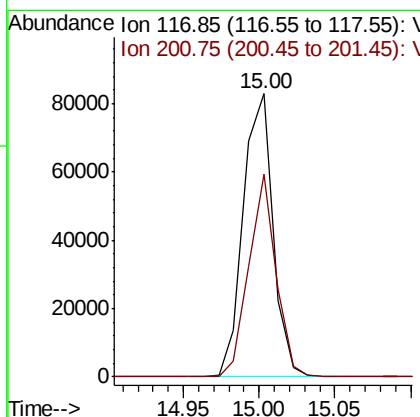
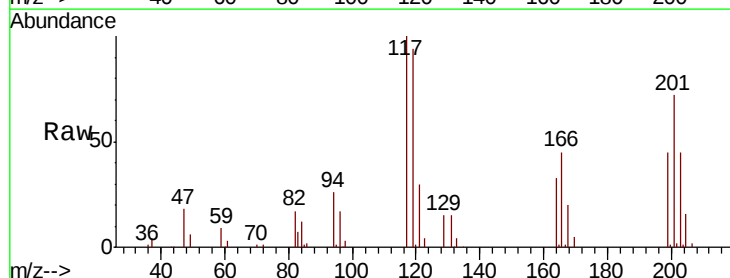
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 91 Resp: 406596
Ion Ratio Lower Upper
91 100
92 60.1 30.3 91.0
134 21.8 12.4 37.0



#90
Hexachloroethane
Concen: 20.655 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion: 117 Resp: 113431
Ion Ratio Lower Upper
117 100
201 71.6 39.6 119.0

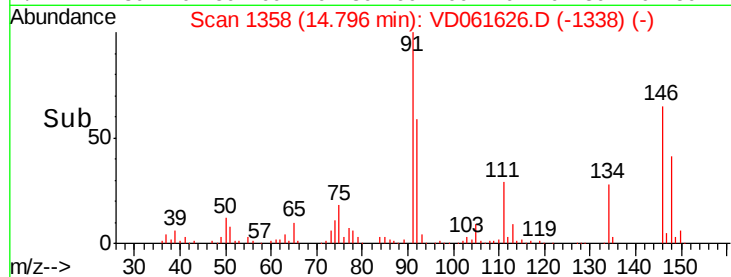
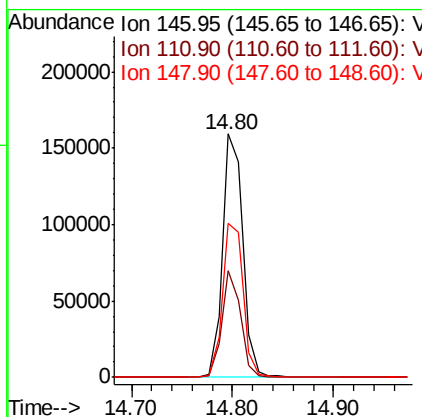
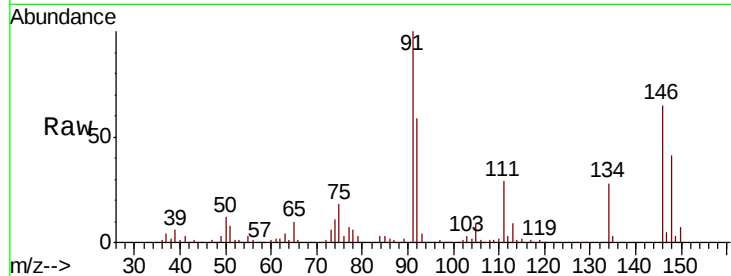




#91
 1,2-Dichlorobenzene
 Concen: 24.226 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

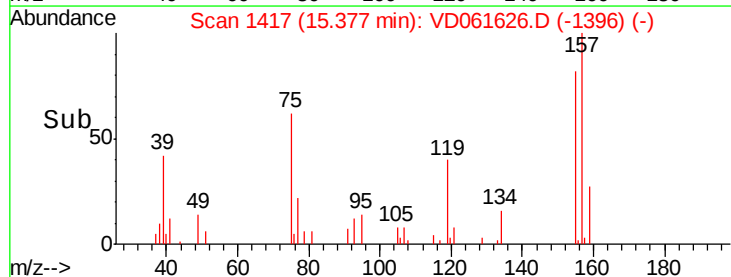
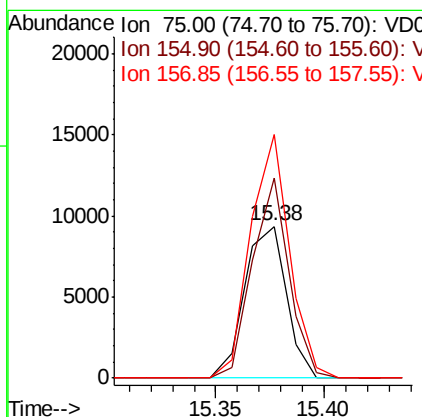
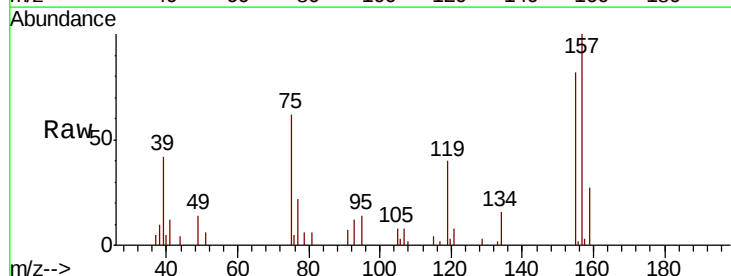
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

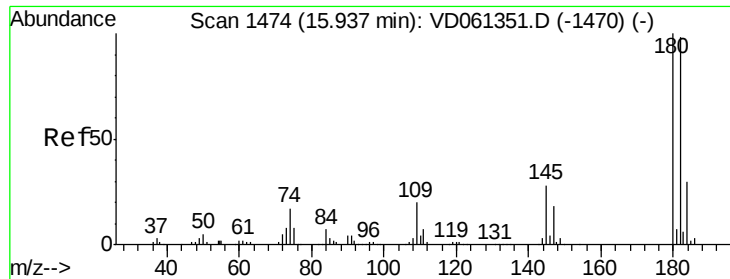
Tot Ion:146 Resp: 222623
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.2 63.6
 148 63.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.558 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion: 75 Resp: 12455
 Ion Ratio Lower Upper
 75 100
 155 132.0 43.6 130.9#
 157 160.6 58.5 175.3

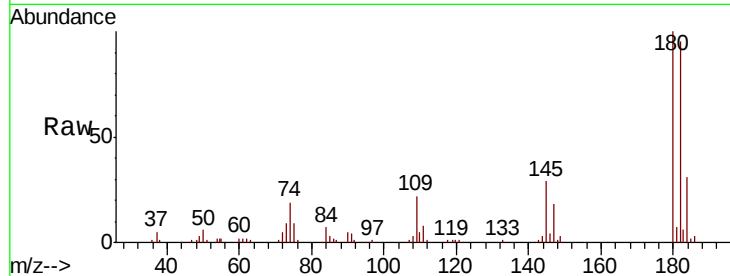




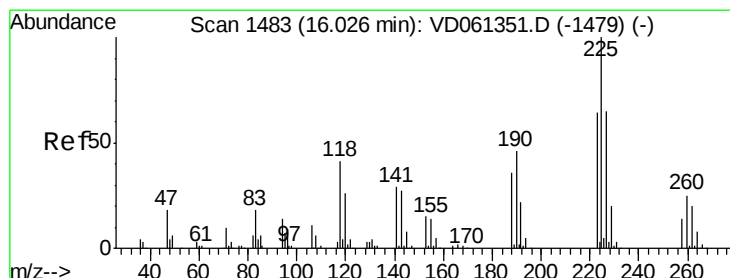
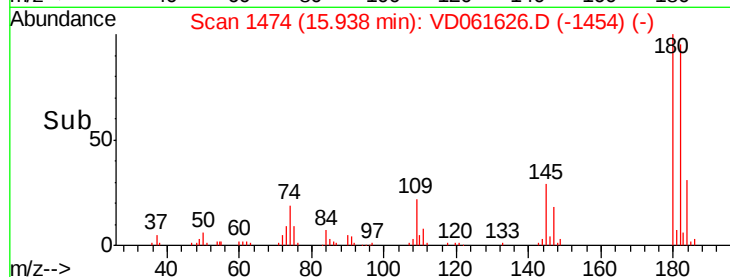
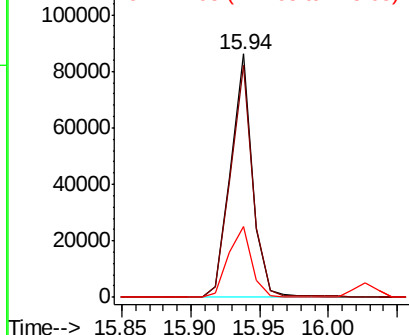
#93
 1,2,4-Trichlorobenzene
 Concen: 22.679 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion:180 Resp: 94937
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.9 146.8
 145 29.1 14.1 42.3

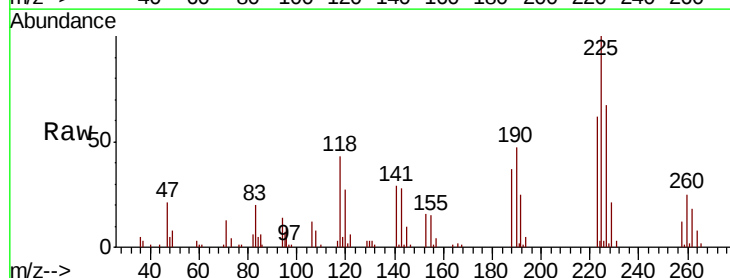


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

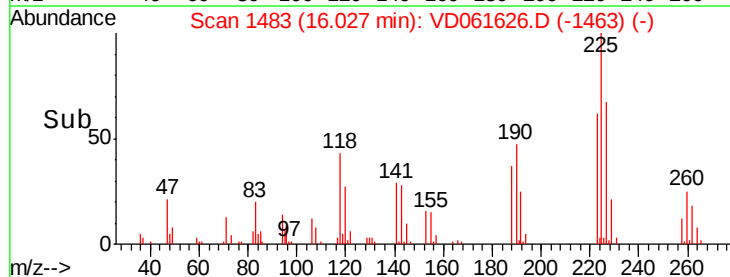
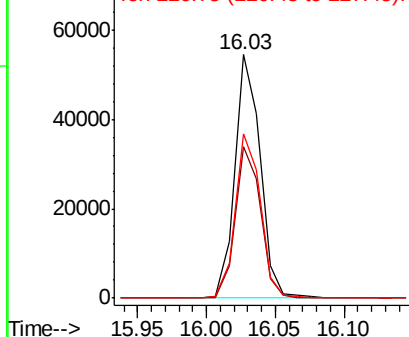


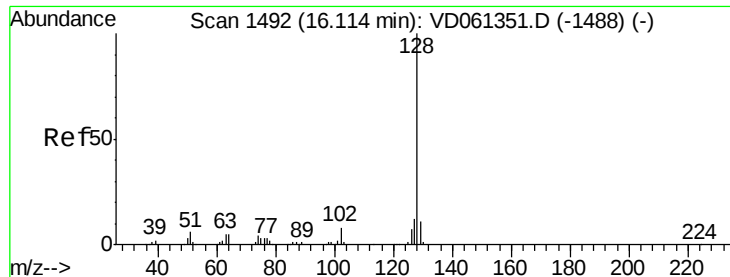
#94
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061626.D
 Acq: 5 Apr 2019 17:40

Tgt Ion:225 Resp: 69855
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.0 96.0
 227 67.4 32.4 97.2



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

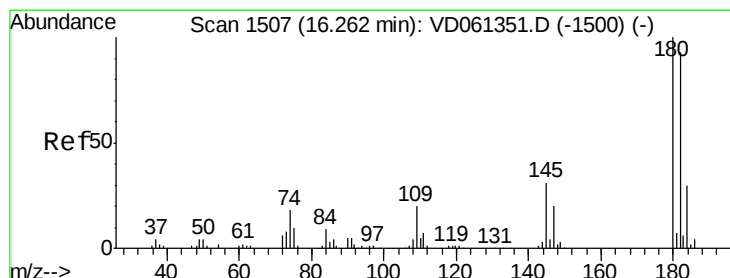
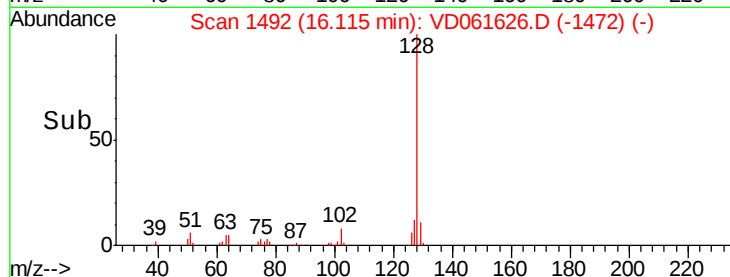
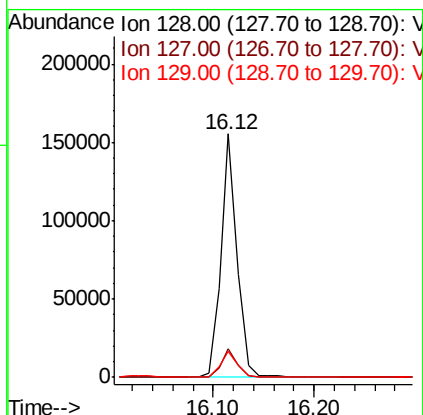
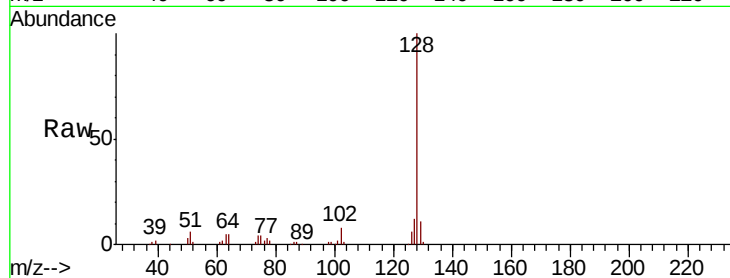




#95
Naphthalene
Concen: 27.049 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion:128 Resp: 172592
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 27.107 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061626.D
Acq: 5 Apr 2019 17:40

Tgt Ion:180 Resp: 49933
Ion Ratio Lower Upper
180 100
182 101.7 46.4 139.1
145 32.2 15.3 45.9

