

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061536.D
 Acq On : 3 Apr 2019 4:06
 Operator : VA/AP
 Sample : VD0402SBSD02
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Quant Time: Apr 03 04:55:41 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	7.07	168	619597	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	1094642	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	929257	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	401276	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	270314	51.07	ug/l	0.04
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	6.95	113	392809	46.96	ug/l	0.05
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	10.42	98	948925	47.30	ug/l	0.04
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	13.57	95	372996	48.48	ug/l	0.02
Spiked Amount			Recovery	=	96.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	133254	20.138	ug/l	95
3) Chloromethane	1.77	50	115324	21.370	ug/l	99
4) Vinyl Chloride	1.87	62	101276	20.439	ug/l	99
5) Bromomethane	2.17	94	18870	19.205	ug/l #	90
6) Chloroethane	2.28	64	23649	16.275	ug/l	92
7) Trichlorofluoromethane	2.55	101	153330	21.280	ug/l	99
8) Diethyl Ether	2.89	74	52798	22.759	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	171429	22.131	ug/l	99
10) Methyl Iodide	3.33	142	213529	20.341	ug/l	98
11) Tert butyl alcohol	4.09	59	38535	116.907	ug/l	99
12) 1,1-Dichloroethene	3.15	96	141954	21.345	ug/l	96
13) Acrolein	3.05	56	21614	69.520	ug/l	92
14) Allyl chloride	3.64	41	209488	22.584	ug/l	98
15) Acrylonitrile	4.21	53	141529	123.708	ug/l	96
16) Acetone	3.24	43	133536	98.144	ug/l	97
17) Carbon Disulfide	3.40	76	409711	18.961	ug/l	100
18) Methyl Acetate	3.66	43	71887	25.129	ug/l	100
19) Methyl tert-butyl Ether	4.26	73	280373	24.355	ug/l	100
20) Methylene Chloride	3.84	84	193664	24.426	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	164060	22.849	ug/l	99
22) Diisopropyl ether	5.15	45	446840	22.764	ug/l	99
23) Vinyl Acetate	5.08	43	1247253	116.975	ug/l	97
24) 1,1-Dichloroethane	5.01	63	245303	21.264	ug/l	100
25) 2-Butanone	6.08	43	185468	108.364	ug/l	95
26) 2,2-Dichloropropane	6.05	77	192514	20.993	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	184694	23.478	ug/l	94
28) Bromochloromethane	6.46	49	108351	23.268	ug/l #	98
29) Tetrahydrofuran	6.48	42	106090	127.885	ug/l	97
30) Chloroform	6.68	83	281980	23.656	ug/l	97
31) Cyclohexane	6.97	56	192162	21.079	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	231630	22.027	ug/l	98
36) 1,1-Dichloropropene	7.17	75	196743	20.593	ug/l	96
37) Ethyl Acetate	6.20	43	97169	23.781	ug/l #	94
38) Carbon Tetrachloride	7.13	117	219988	20.039	ug/l	93

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 Acq On : 3 Apr 2019 4:06
 Operator : VA/AP
 Sample : VD0402SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Quant Time: Apr 03 04:55:41 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)
39) Methylcyclohexane	8.88	83	203662	20.468	ug/l	97
40) Benzene	7.47	78	536455	22.373	ug/l	99
41) Methacrylonitrile	6.47	41	117300	24.553	ug/l #	95
42) 1,2-Dichloroethane	7.60	62	161968	22.583	ug/l	99
43) Isopropyl Acetate	9.25	43	134733	22.664	ug/l	98
44) Trichloroethene	8.55	130	189654	21.254	ug/l	99
45) 1,2-Dichloropropane	8.95	63	130431	21.453	ug/l	99
46) Dibromomethane	9.08	93	95860	23.425	ug/l	93
47) Bromodichloromethane	9.39	83	193733	21.093	ug/l	98
48) Methyl methacrylate	9.14	41	77380	23.585	ug/l	96
49) 1,4-Dioxane	9.10	88	18418	508.947	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	424826	117.458	ug/l	98
52) Toluene	10.52	92	334030	22.835	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	188314	22.566	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	216369	21.293	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	114051	22.294	ug/l	95
56) Ethyl methacrylate	11.06	69	121139	22.043	ug/l	98
57) 1,3-Dichloropropane	11.42	76	177493	23.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	301538	112.667	ug/l	99
59) 2-Hexanone	11.54	43	282671	107.869	ug/l	100
60) Dibromochloromethane	11.69	129	173530	22.004	ug/l	99
61) 1,2-Dibromoethane	11.81	107	139779	23.596	ug/l	100
64) Tetrachloroethene	11.27	164	155667	21.345	ug/l	97
65) Chlorobenzene	12.40	112	432731	22.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	164129	22.321	ug/l	98
67) Ethyl Benzene	12.53	91	683220	23.570	ug/l	96
68) m/p-Xylenes	12.68	106	479875	43.703	ug/l	97
69) o-Xylene	13.05	106	221048	20.745	ug/l	96
70) Styrene	13.08	104	408205	21.976	ug/l	99
71) Bromoform	13.24	173	95089	20.400	ug/l	99
73) Isopropylbenzene	13.41	105	637773	22.836	ug/l	98
74) N-amyl acetate	13.27	43	183312	23.562	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	122308	20.760	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	124356	21.454	ug/l	100
77) Bromobenzene	13.67	156	168249	20.321	ug/l	95
78) n-propylbenzene	13.78	91	735395	21.517	ug/l	98
79) 2-Chlorotoluene	13.85	91	424744	22.888	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	520009	23.998	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	32519	18.400	ug/l	94
82) 4-Chlorotoluene	13.95	91	478001	23.689	ug/l	90
83) tert-Butylbenzene	14.20	119	593050	21.899	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	521497	22.229	ug/l	96
85) sec-Butylbenzene	14.37	105	583967	20.299	ug/l	99
86) p-Isopropyltoluene	14.49	119	571468	23.491	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	296664	21.159	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	275172	20.125	ug/l	96
89) n-Butylbenzene	14.81	91	465185	20.834	ug/l	98
90) Hexachloroethane	15.01	117	147586	21.475	ug/l	82
91) 1,2-Dichlorobenzene	14.82	146	256191	22.277	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13951	20.190	ug/l	63

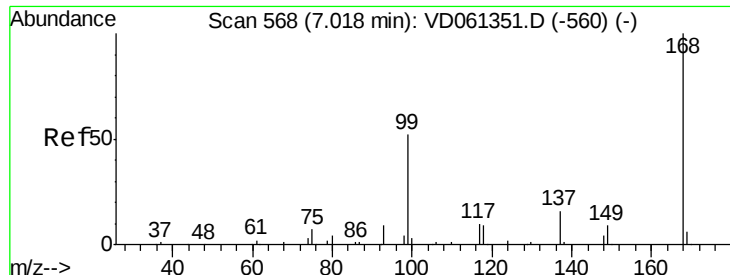
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061536.D
Acq On : 3 Apr 2019 4:06
Operator : VA/AP
Sample : VD0402SBSD02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Quant Time: Apr 03 04:55:41 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)
93) 1,2,4-Trichlorobenzene	15.95	180	111880	21.356	ug/l	99
94) Hexachlorobutadiene	16.05	225	87114	21.280	ug/l	98
95) Naphthalene	16.12	128	181412	22.718	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51285	22.246	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

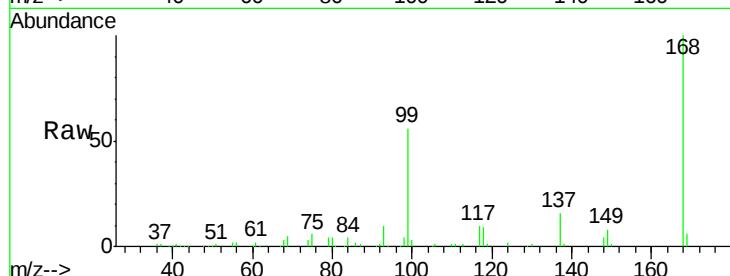
VD0402SBS03

Tot Ion:168 Resp: 619597

Ion Ratio Lower Upper

168 100

99 56.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

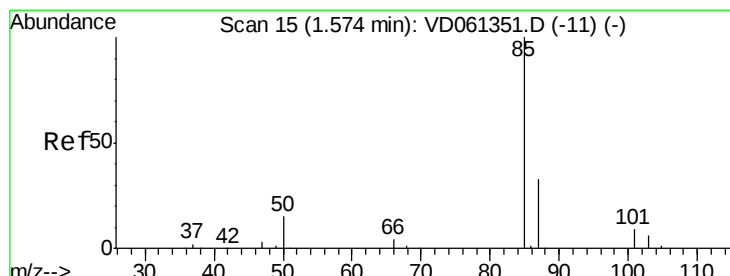
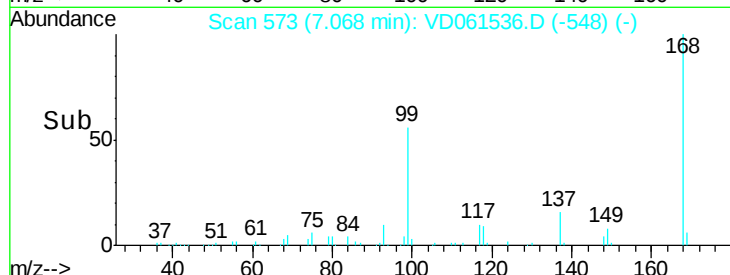
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 20.138 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061536.D

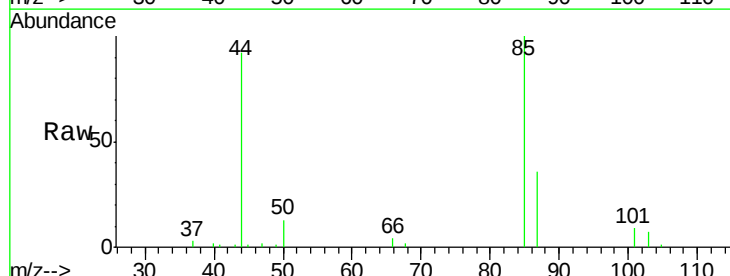
Acq: 3 Apr 2019 4:06

Tgt Ion: 85 Resp: 133254

Ion Ratio Lower Upper

85 100

87 35.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

50000

40000

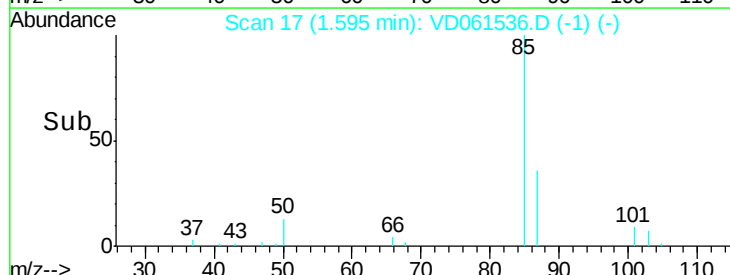
30000

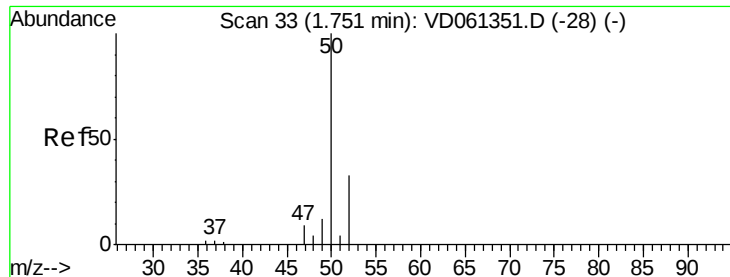
20000

10000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.370 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

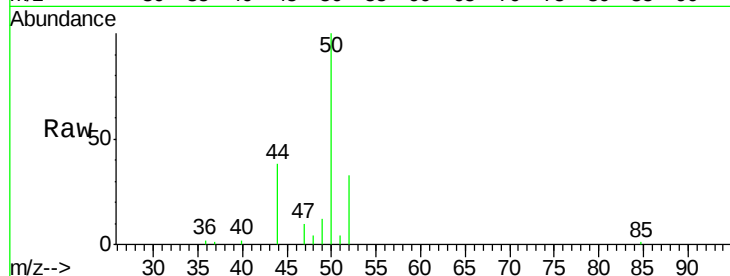
VD0402SBSD03

Tot Ion: 50 Resp: 115324

Ion Ratio Lower Upper

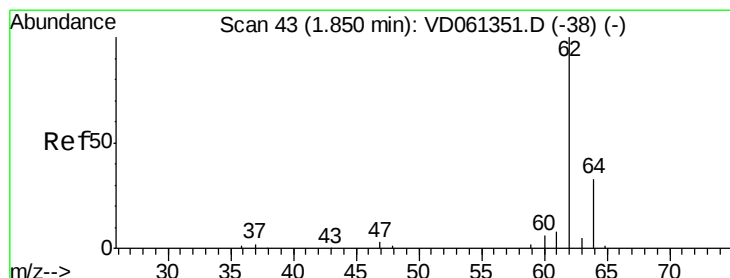
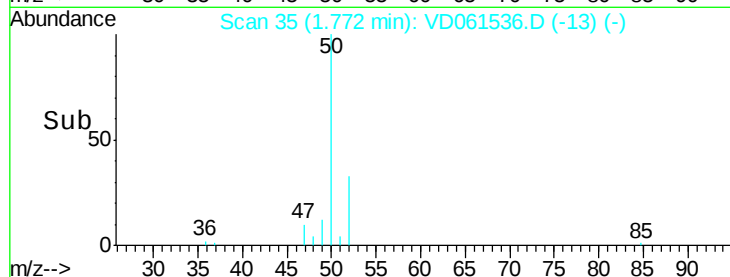
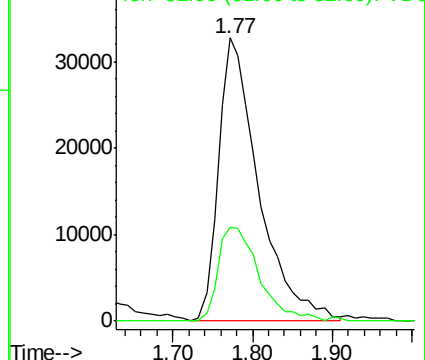
50 100

52 33.4 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: 20.439 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061536.D

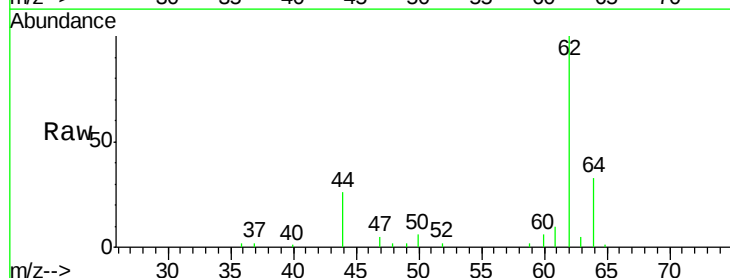
Acq: 3 Apr 2019 4:06

Tgt Ion: 62 Resp: 101276

Ion Ratio Lower Upper

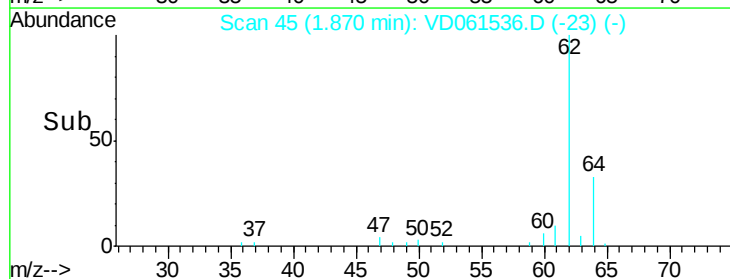
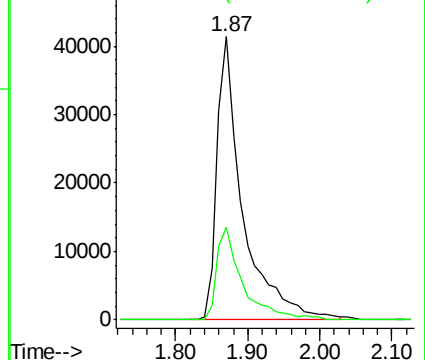
62 100

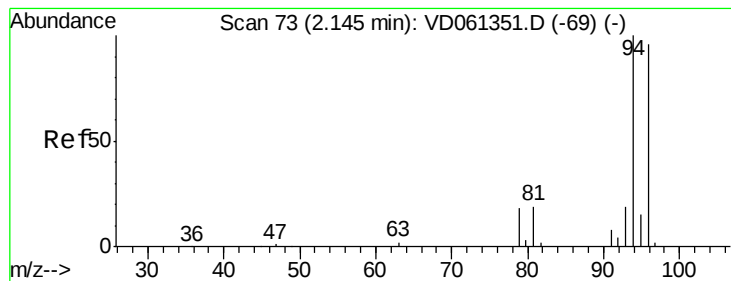
64 32.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.205 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

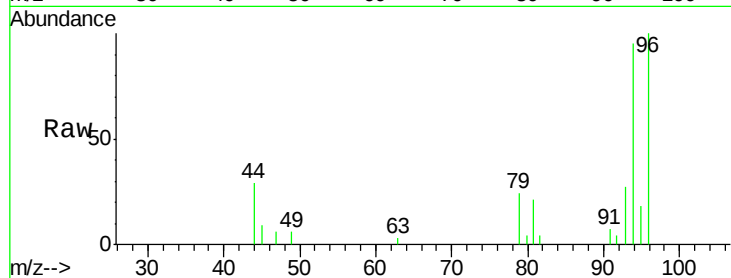
Tot Ion: 94 Resp: 18870

Ion Ratio Lower Upper

94 100

96 105.7 78.3 117.5

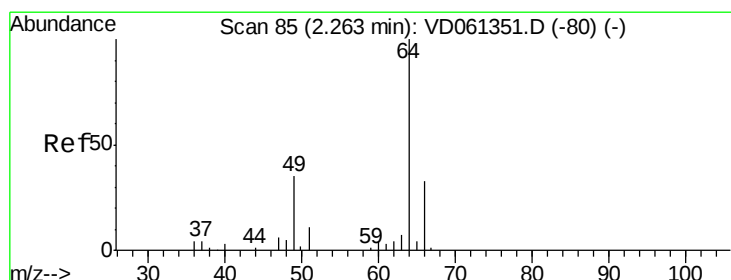
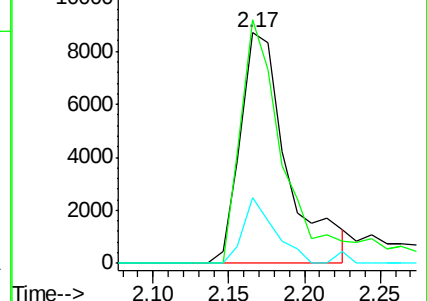
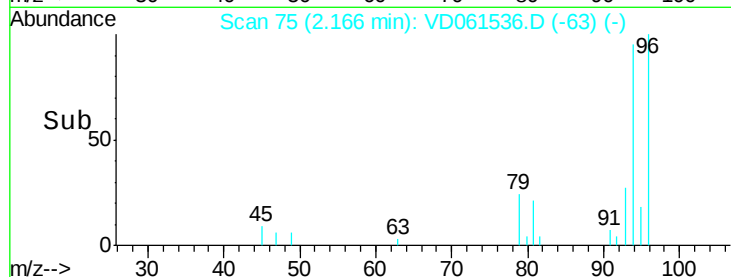
93 28.5 15.6 23.4#



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: 16.275 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.02 min

Lab File: VD061536.D

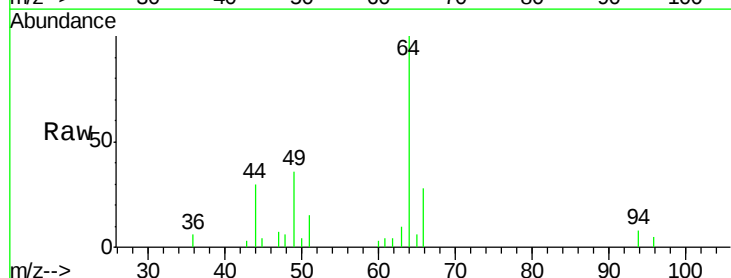
Acq: 3 Apr 2019 4:06

Tgt Ion: 64 Resp: 23649

Ion Ratio Lower Upper

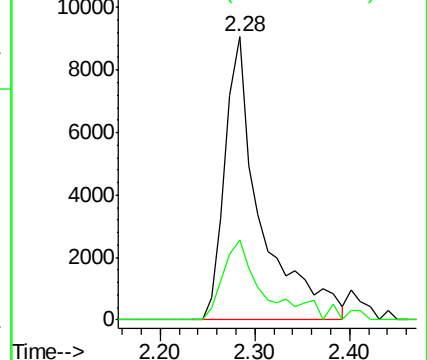
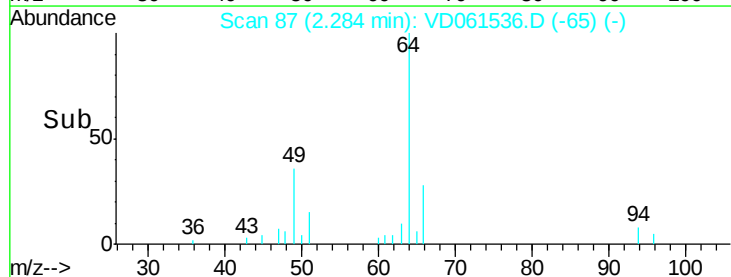
64 100

66 28.1 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



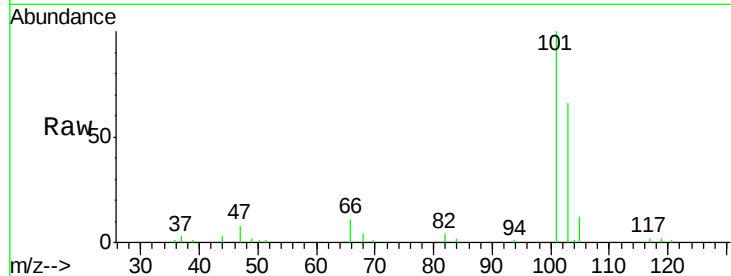


#7

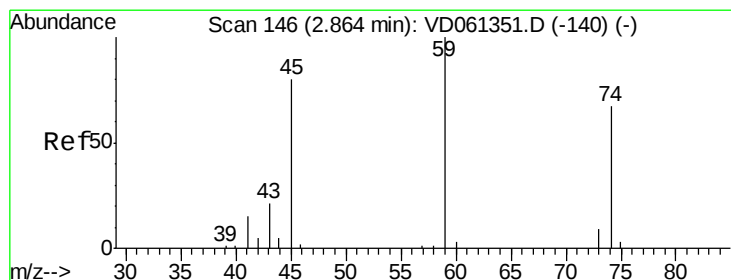
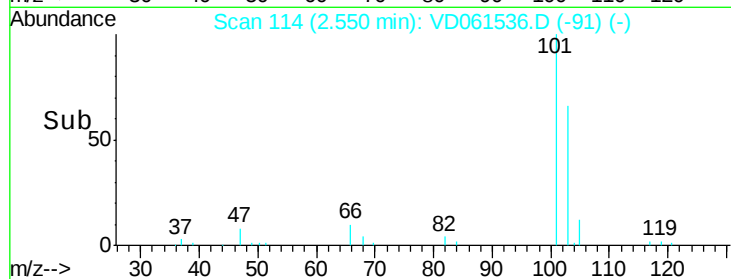
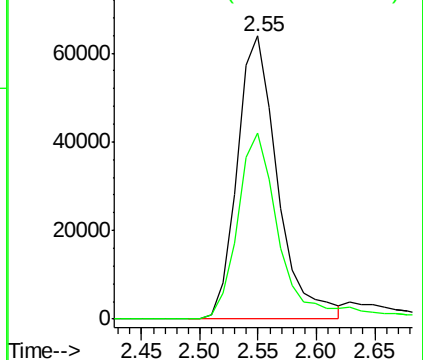
Trichlorofluoromethane
 Concen: 21.280 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion:101 Resp: 153330
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.1 79.7



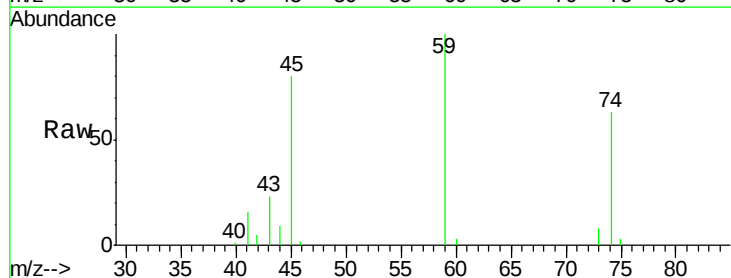
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



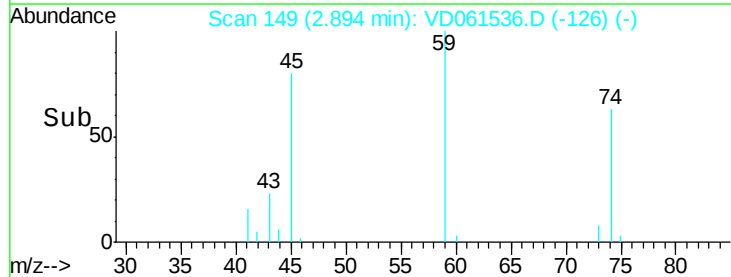
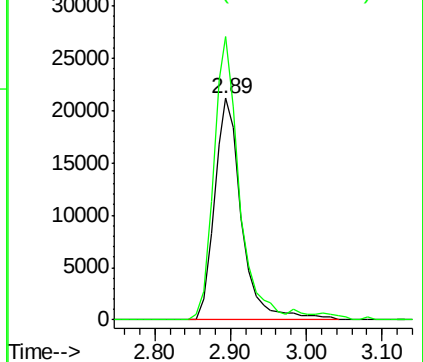
#8

Diethyl Ether
 Concen: 22.759 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 74 Resp: 52798
 Ion Ratio Lower Upper
 74 100
 45 127.6 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.131 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

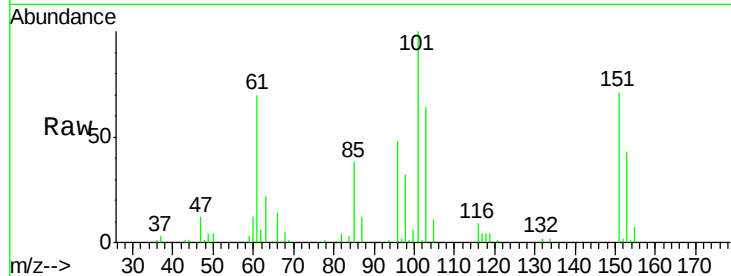
Tot Ion:101 Resp: 171429

Ion Ratio Lower Upper

101 100

85 38.2 29.4 44.0

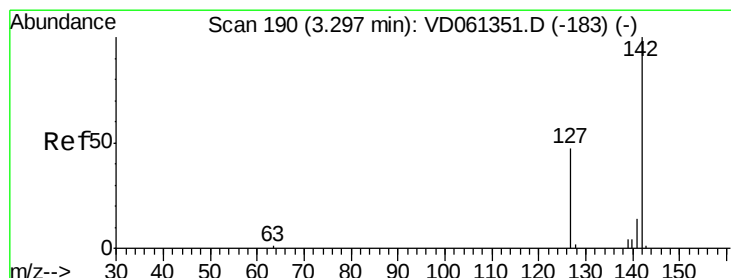
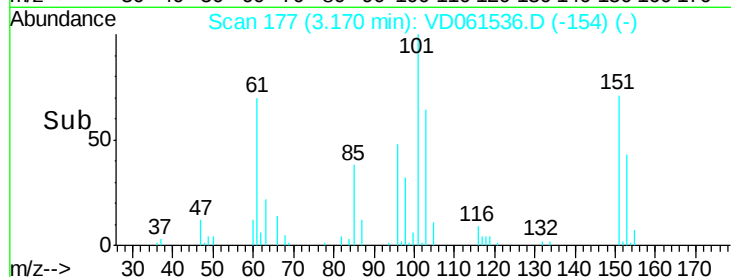
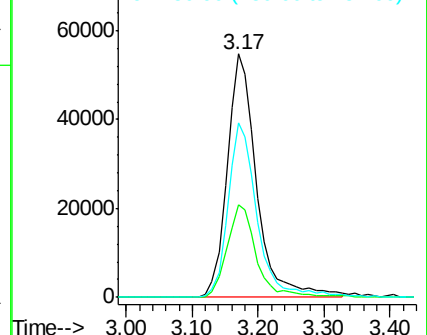
151 71.5 57.0 85.4



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: 20.341 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

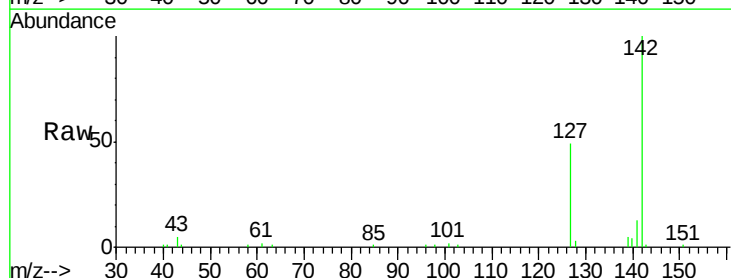
Tgt Ion:142 Resp: 213529

Ion Ratio Lower Upper

142 100

127 48.8 37.7 56.5

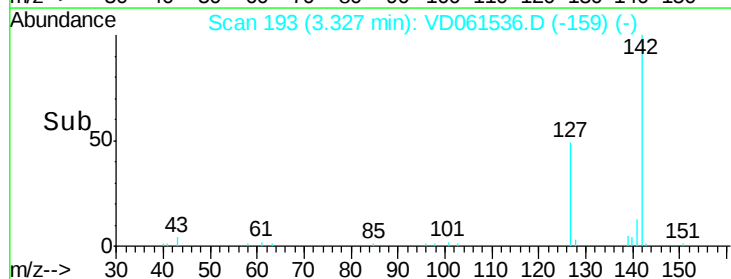
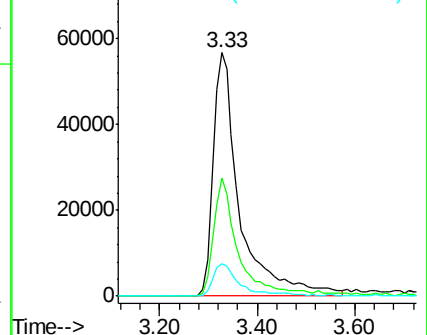
141 13.4 11.5 17.3

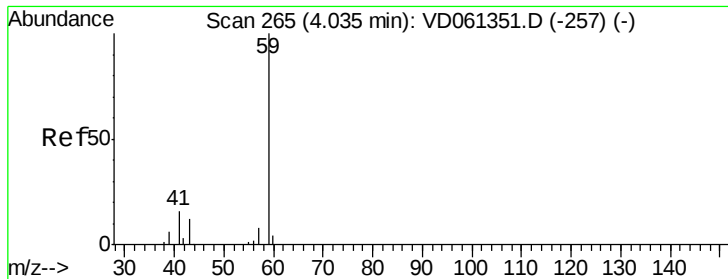


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

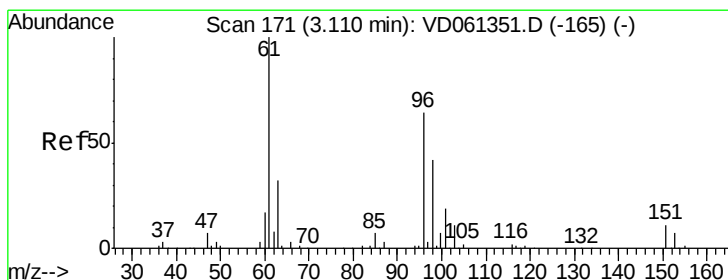
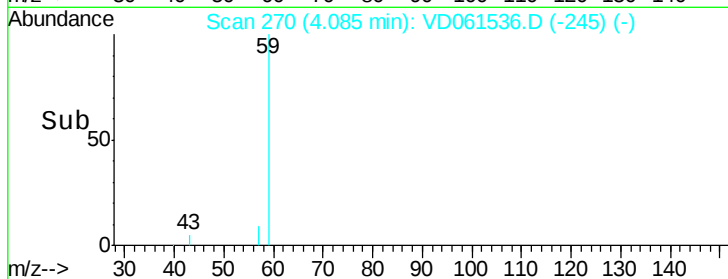
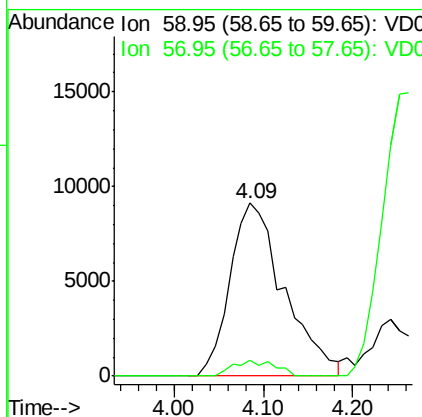
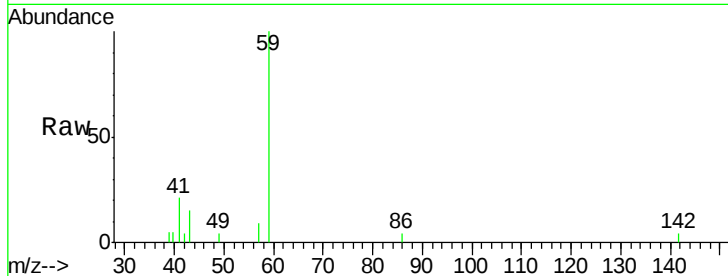




#11
Tert butyl alcohol
Concen: 116.907 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

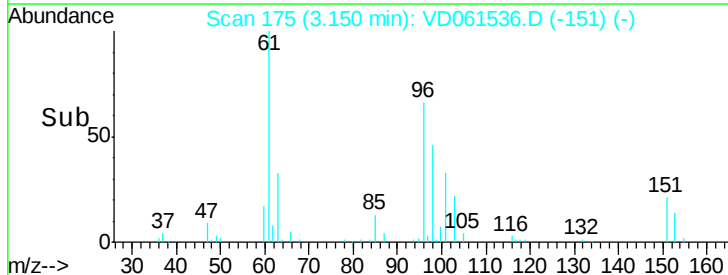
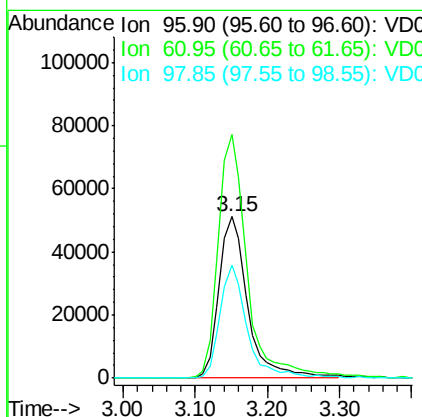
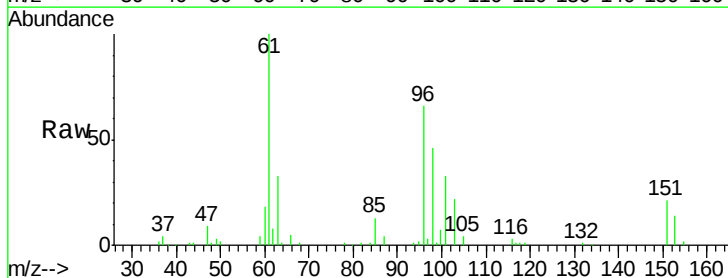
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

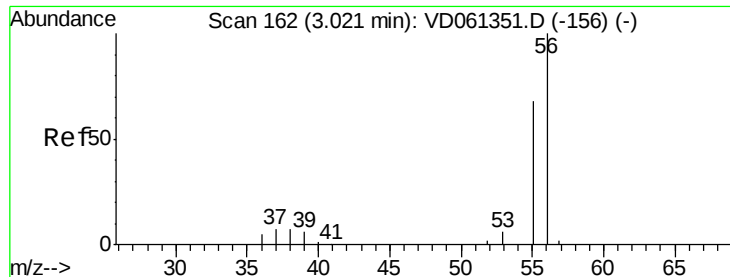
Tot Ion: 59 Resp: 38535
Ion Ratio Lower Upper
59 100
57 8.9 6.7 10.1



#12
1,1-Dichloroethene
Concen: 21.345 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 96 Resp: 141954
Ion Ratio Lower Upper
96 100
61 151.1 124.9 187.3
98 69.9 52.5 78.7





#13

Acrolein

Concen: 69.520 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

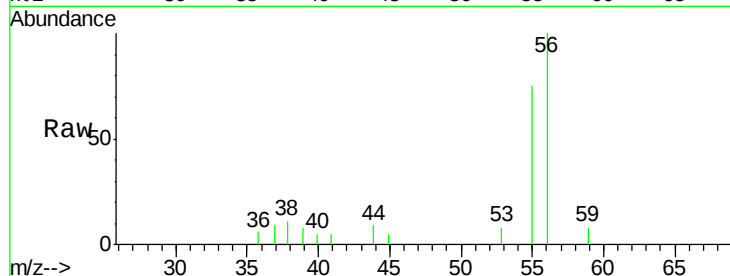
VD0402SBS03

Tot Ion: 56 Resp: 21614

Ion Ratio Lower Upper

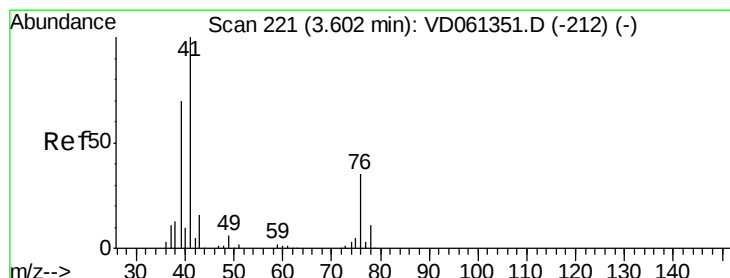
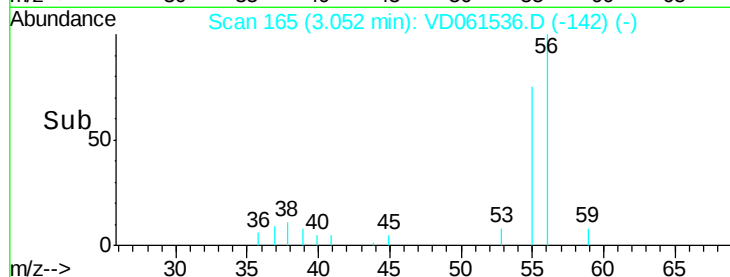
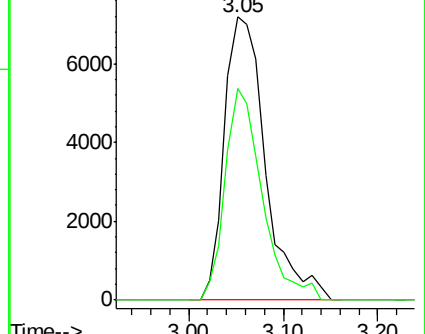
56 100

55 74.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.584 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

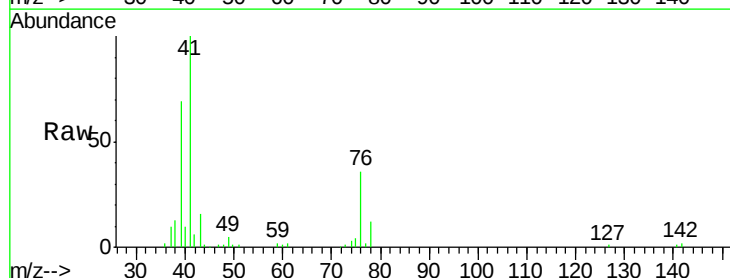
Tgt Ion: 41 Resp: 209488

Ion Ratio Lower Upper

41 100

39 69.2 55.6 83.4

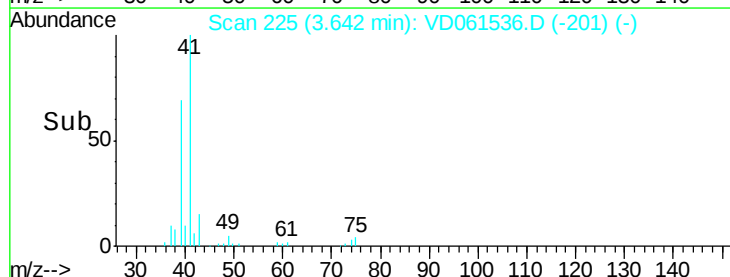
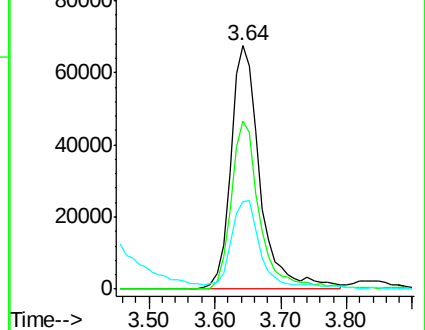
76 36.1 31.0 46.6



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





#15

Acrylonitrile

Concen: 123.708 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

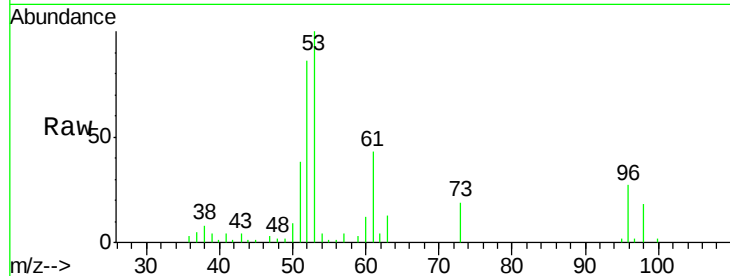
Tot Ion: 53 Resp: 141529

Ion Ratio Lower Upper

53 100

52 85.7 64.8 97.2

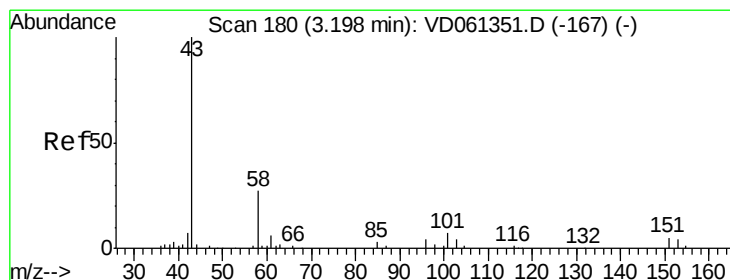
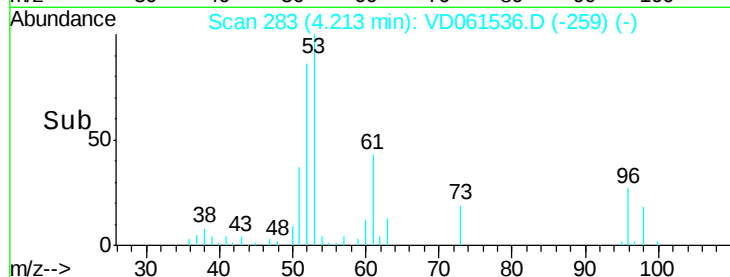
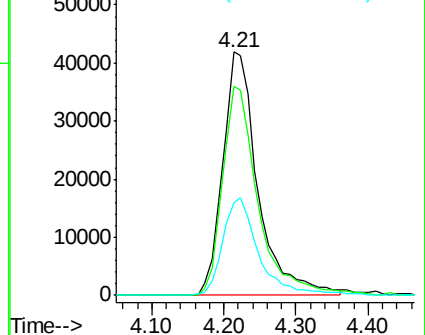
51 38.1 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.144 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061536.D

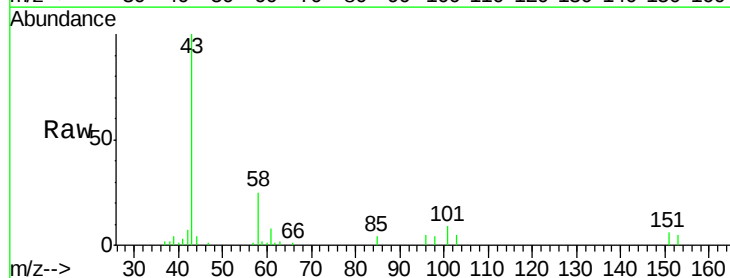
Acq: 3 Apr 2019 4:06

Tgt Ion: 43 Resp: 133536

Ion Ratio Lower Upper

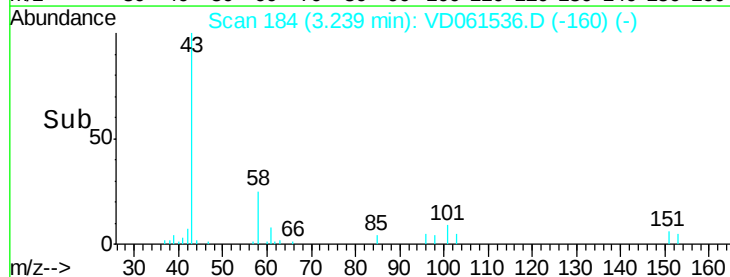
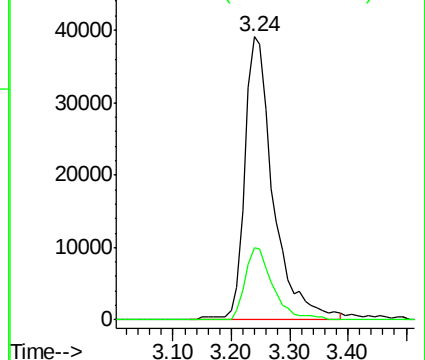
43 100

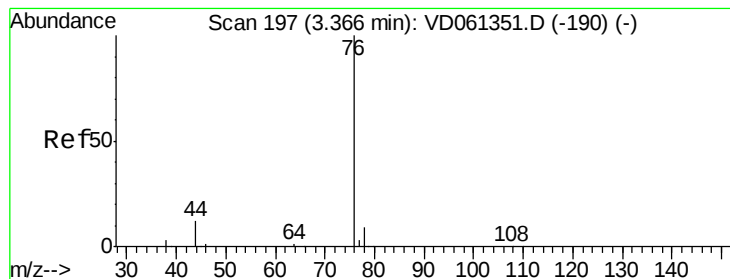
58 25.3 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.961 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

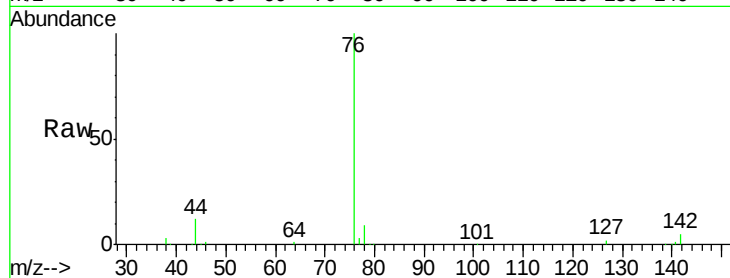
VD0402SBSD03

Tot Ion: 76 Resp: 409711

Ion Ratio Lower Upper

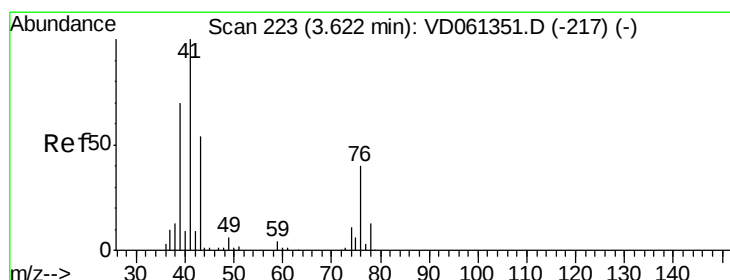
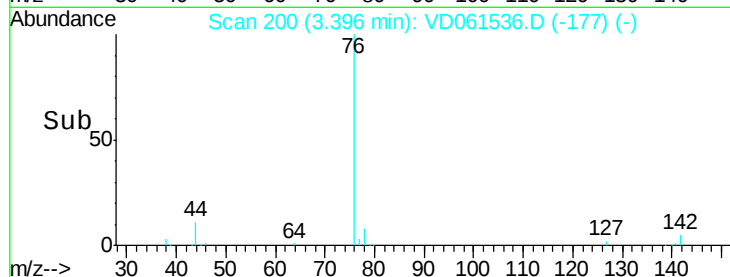
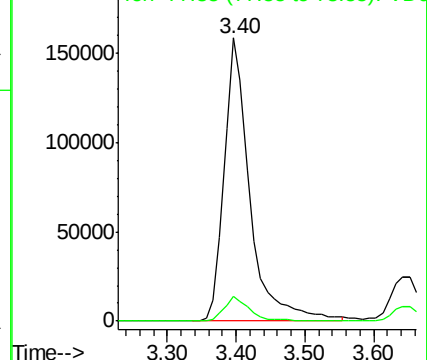
76 100

78 8.9 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: 25.129 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD061536.D

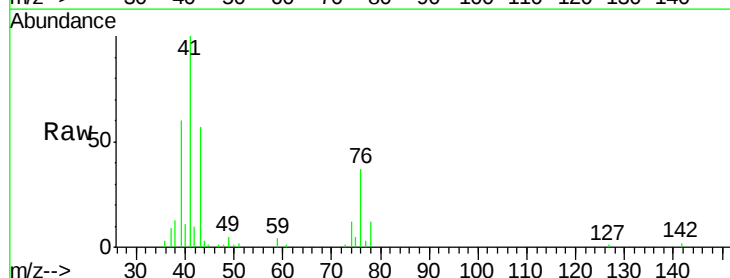
Acq: 3 Apr 2019 4:06

Tgt Ion: 43 Resp: 71887

Ion Ratio Lower Upper

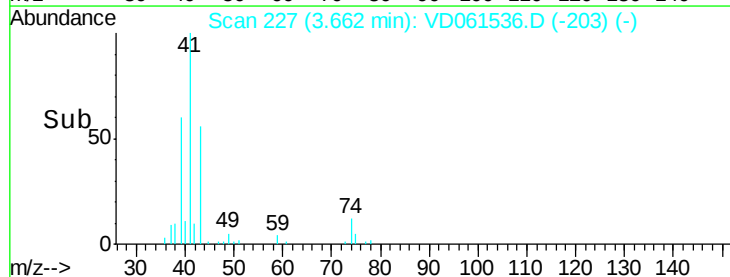
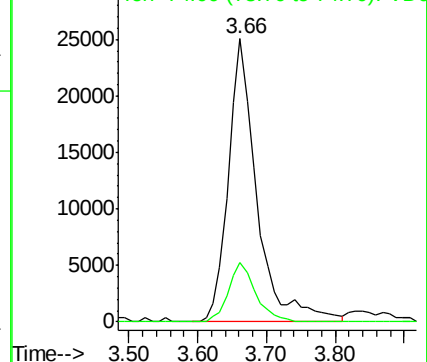
43 100

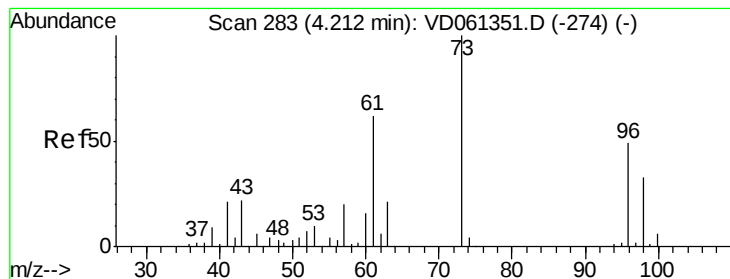
74 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



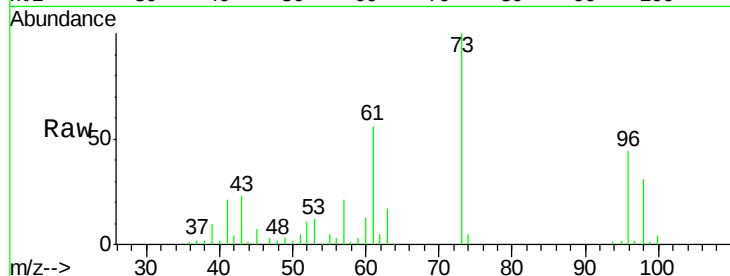


#19

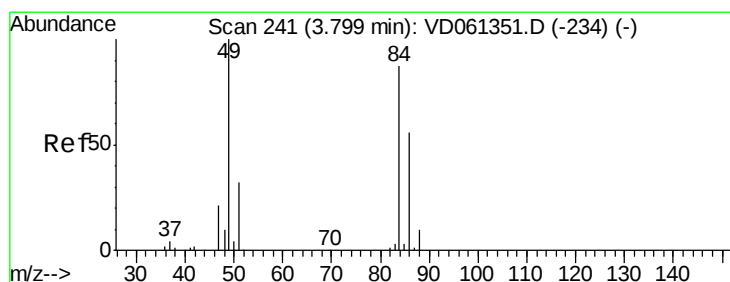
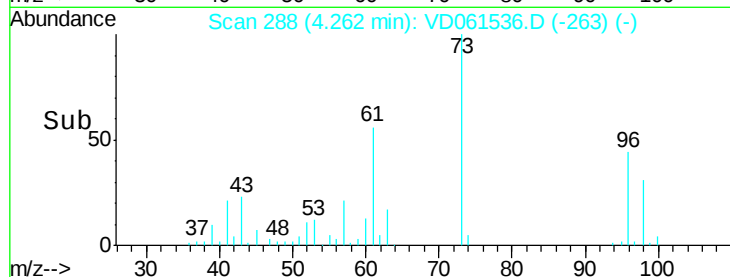
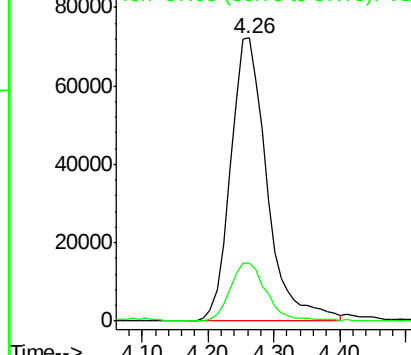
Methyl tert-butyl Ether
 Concen: 24.355 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0402SBSD03

Tot Ion: 73 Resp: 280373
 Ion Ratio Lower Upper
 73 100
 57 20.7 16.4 24.6



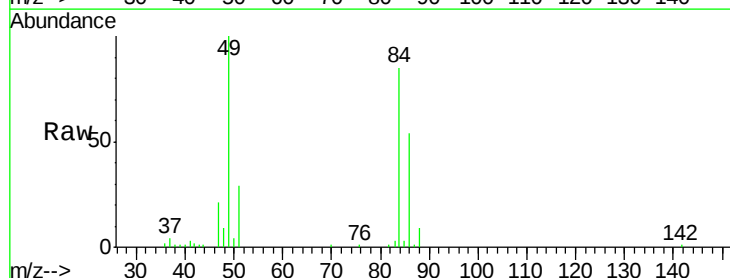
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



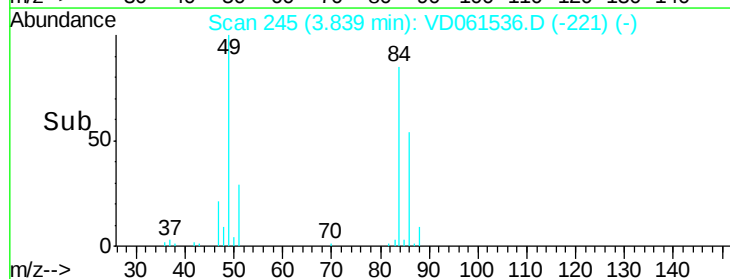
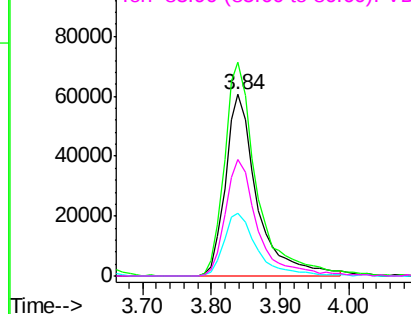
#20

Methylene Chloride
 Concen: 24.426 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 84 Resp: 193664
 Ion Ratio Lower Upper
 84 100
 49 117.9 91.8 137.8
 51 34.3 29.8 44.8
 86 64.0 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 22.849 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.05 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

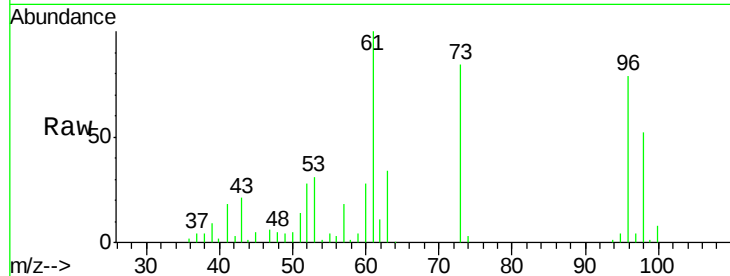
Tot Ion: 96 Resp: 164060

Ion Ratio Lower Upper

96 100

61 127.2 102.7 154.1

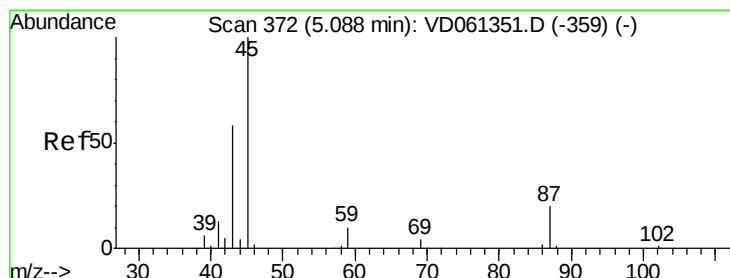
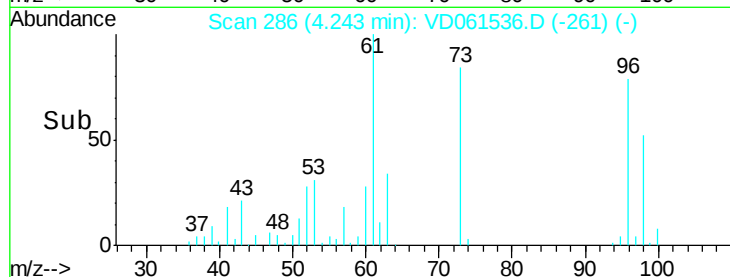
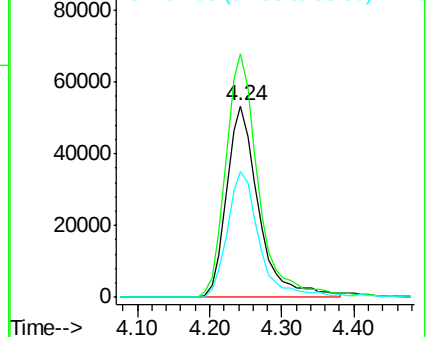
98 65.7 52.2 78.4



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: 22.764 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.06 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Tgt Ion: 45 Resp: 446840

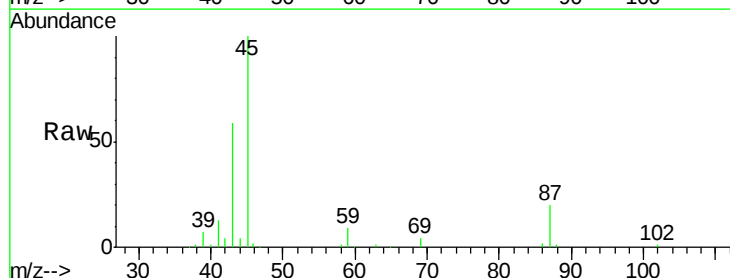
Ion Ratio Lower Upper

45 100

43 59.5 47.4 71.2

87 19.7 16.3 24.5

59 9.3 8.4 12.6

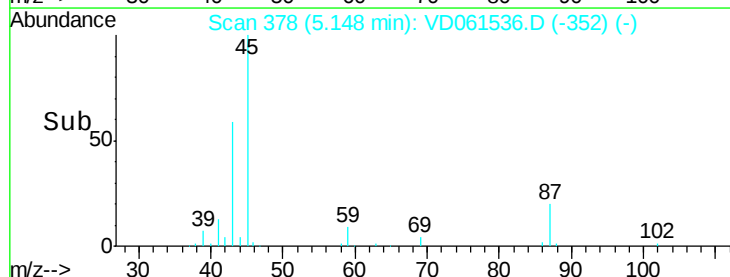
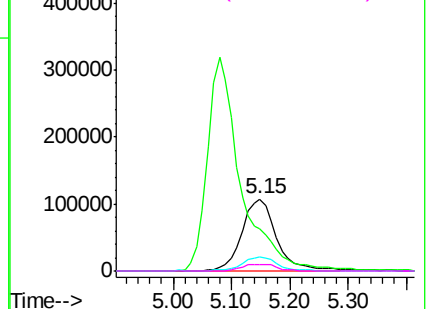


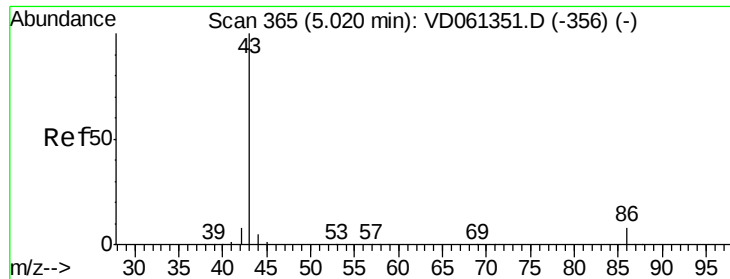
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

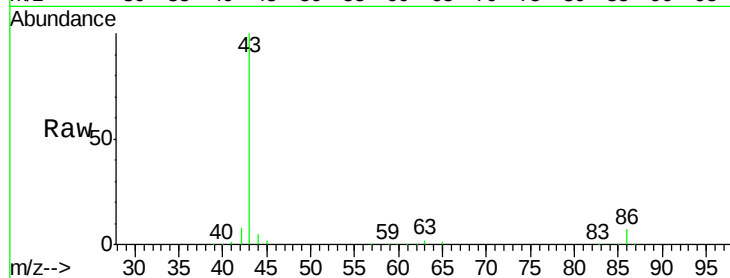




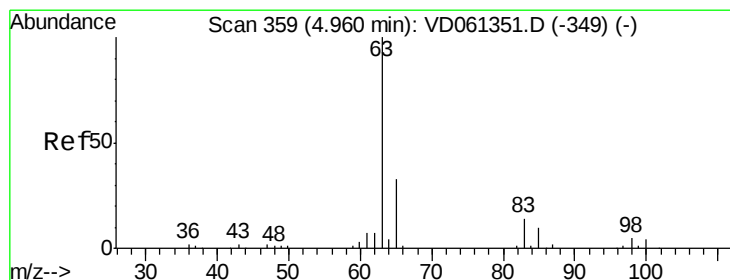
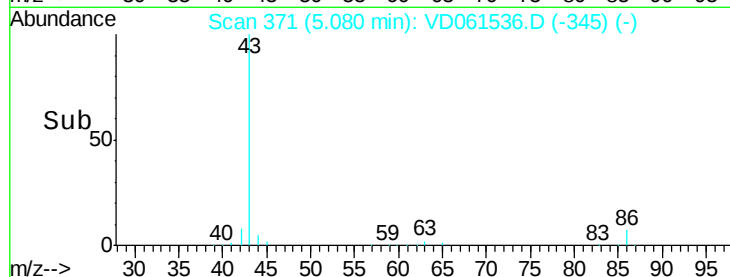
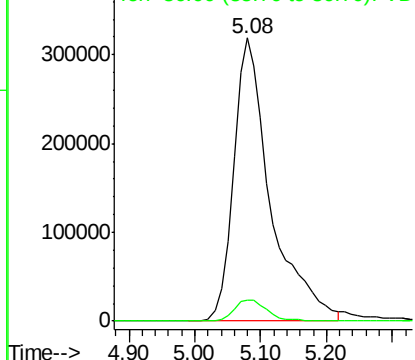
#23
 Vinyl Acetate
 Concen: 116.975 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. 0.06 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion: 43 Resp: 1247253
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.7 10.1

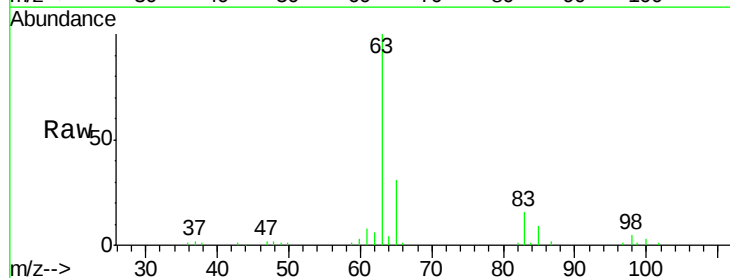


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

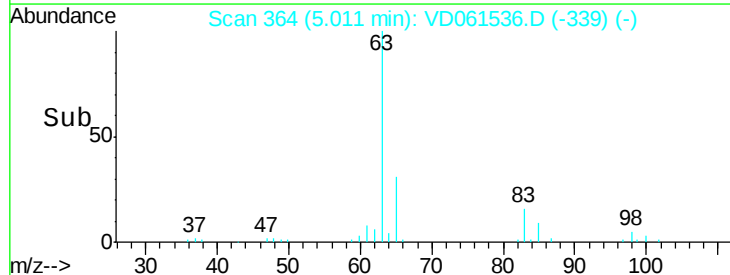
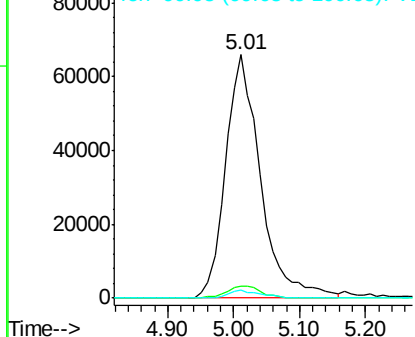


#24
 1,1-Dichloroethane
 Concen: 21.264 ug/l
 RT: 5.01 min Scan# 364
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 63 Resp: 245303
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.6 8.0
 100 3.5 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

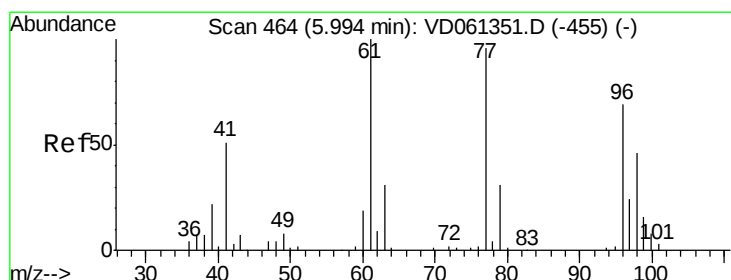
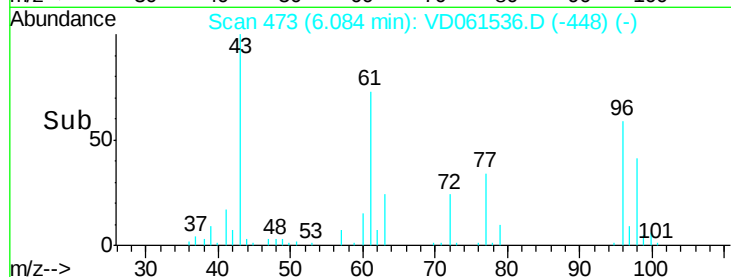
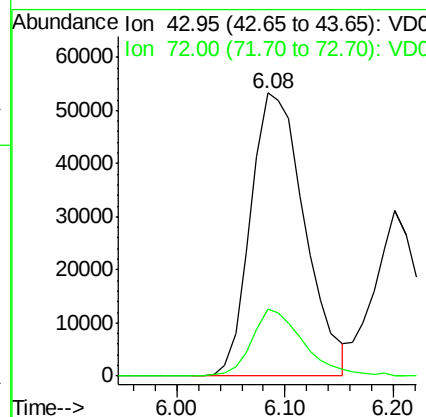
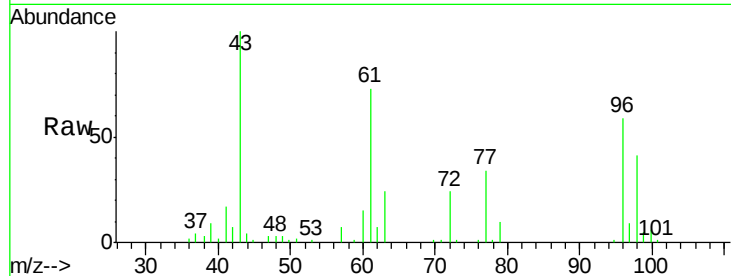




#25
2-Butanone
Concen: 108.364 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

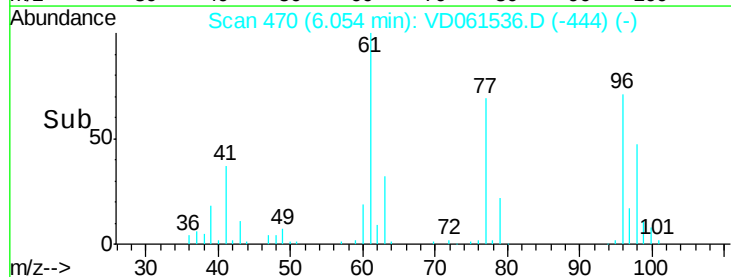
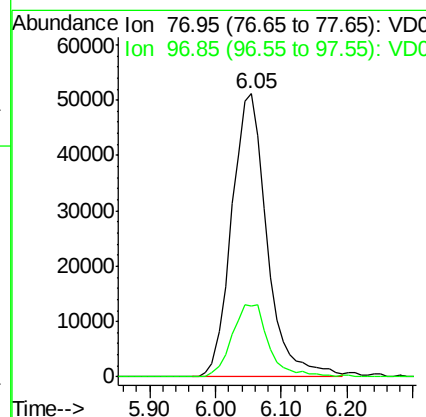
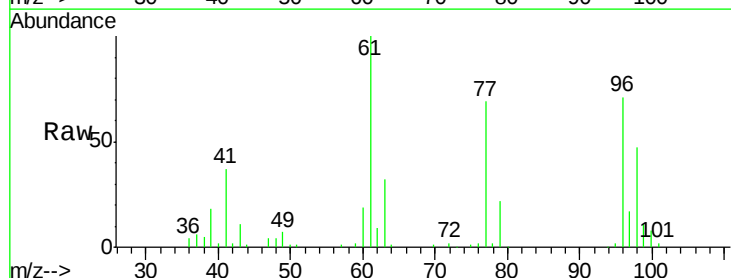
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion: 43 Resp: 185468
Ion Ratio Lower Upper
43 100
72 23.7 17.2 25.8



#26
2,2-Dichloropropane
Concen: 20.993 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.06 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 77 Resp: 192514
Ion Ratio Lower Upper
77 100
97 25.1 12.7 38.0



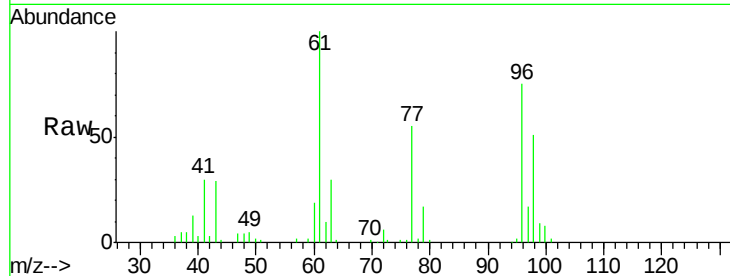


#27

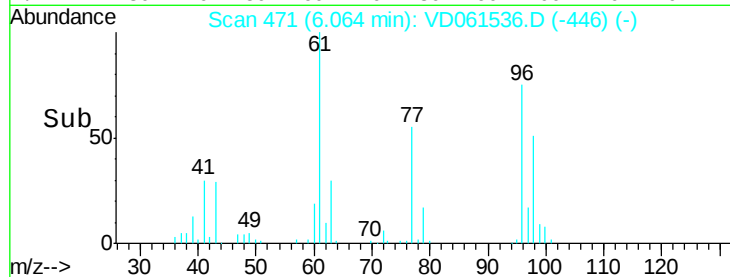
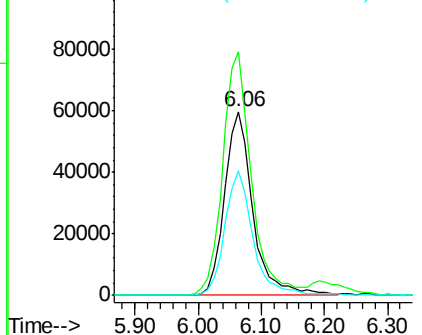
cis-1,2-Dichloroethene
 Concen: 23.478 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion	96	Resp	184694
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	251.6
98	68.1	0.0	129.2



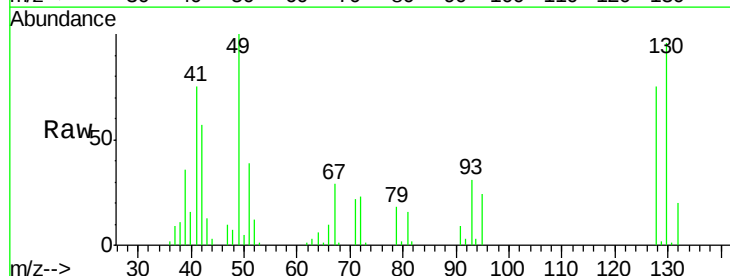
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



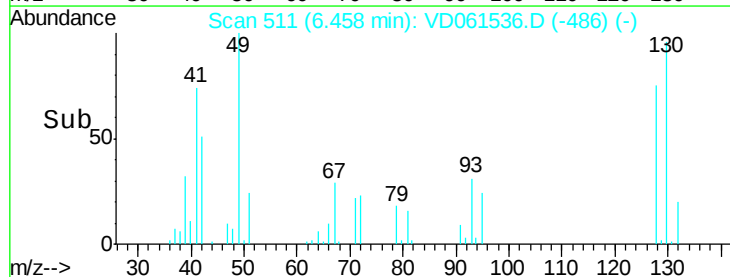
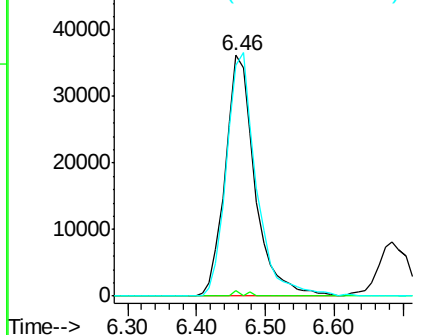
#28

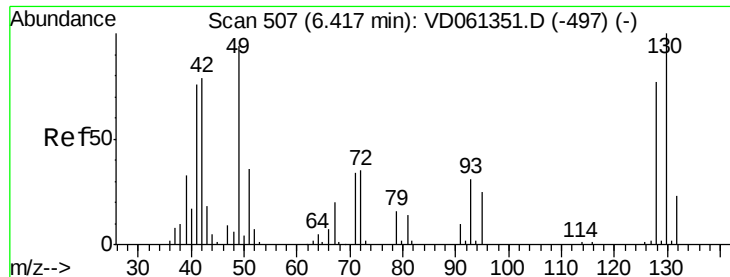
Bromochloromethane
 Concen: 23.268 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion	49	Resp	108351
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	0.0#
130	96.0	78.4	117.6



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

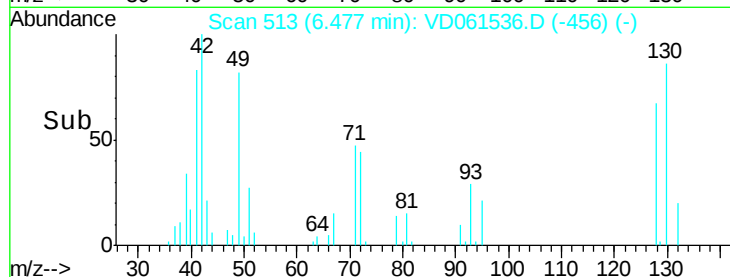
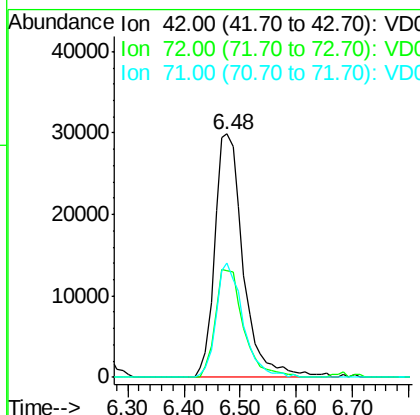
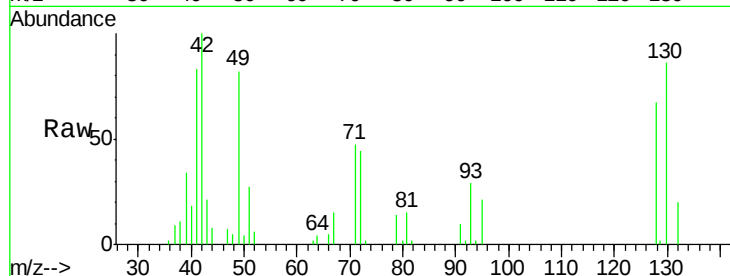




#29
Tetrahydrofuran
Concen: 127.885 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.06 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

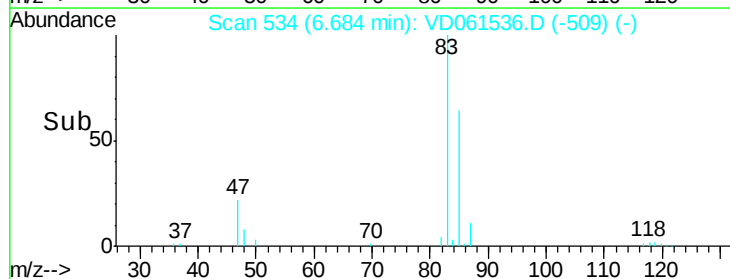
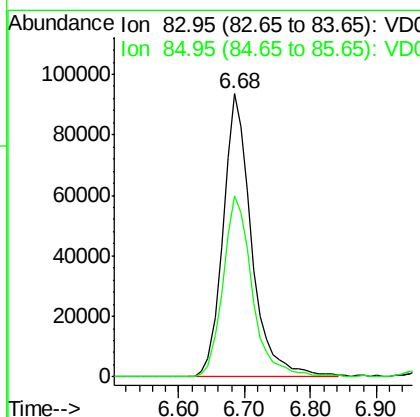
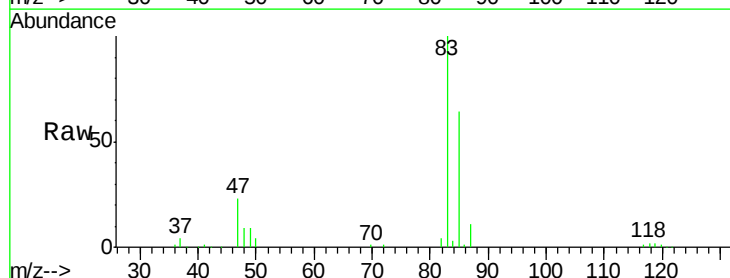
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

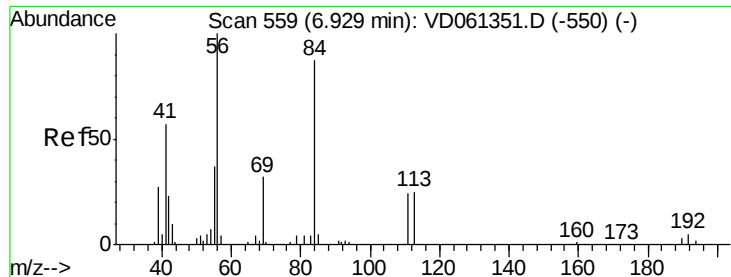
Tot Ion: 42 Resp: 106090
Ion Ratio Lower Upper
42 100
72 44.0 37.4 56.0
71 44.1 36.7 55.1



#30
Chloroform
Concen: 23.656 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 83 Resp: 281980
Ion Ratio Lower Upper
83 100
85 63.8 53.0 79.4

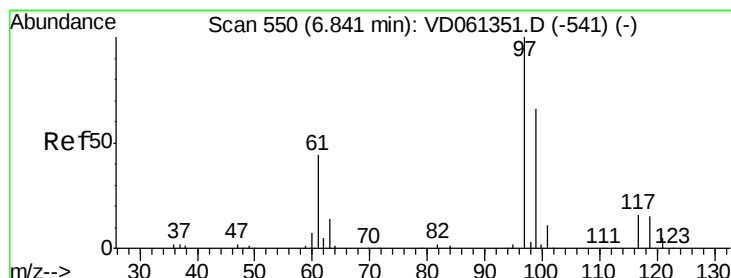
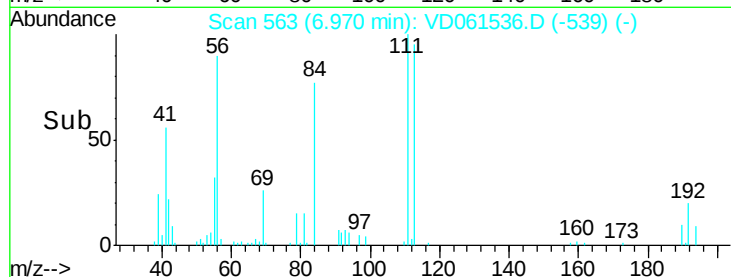
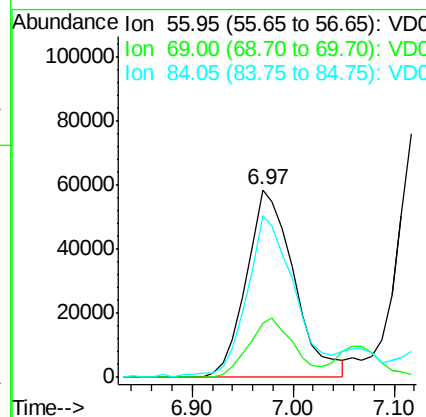
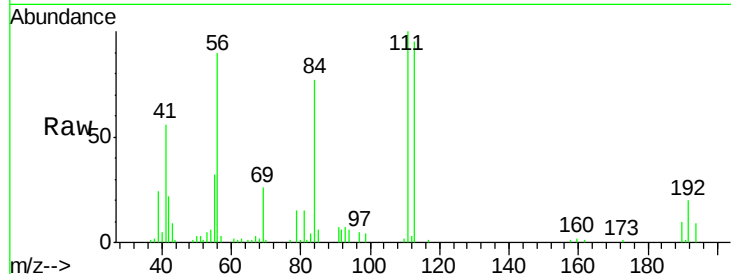




#31
Cyclohexane
Concen: 21.079 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

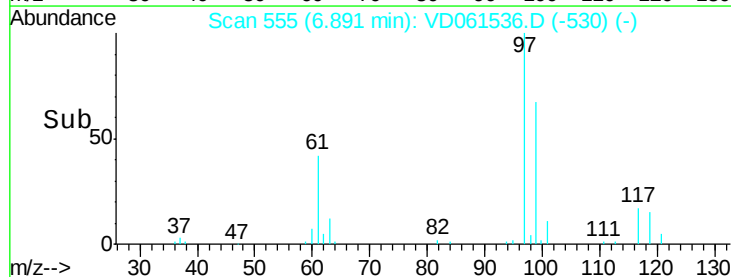
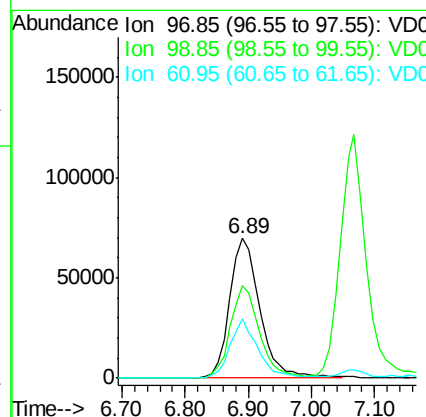
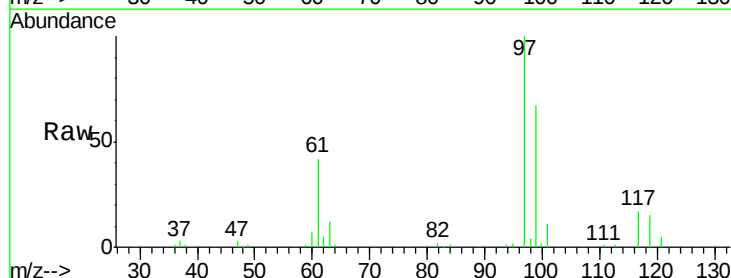
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

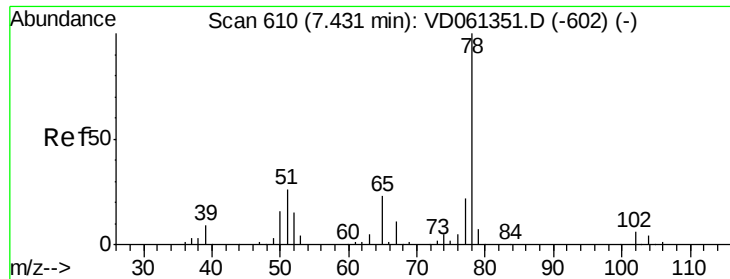
Tot Ion: 56 Resp: 192162
Ion Ratio Lower Upper
56 100
69 28.7 25.7 38.5
84 86.0 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 22.027 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 97 Resp: 231630
Ion Ratio Lower Upper
97 100
99 66.6 53.1 79.7
61 42.1 35.5 53.3

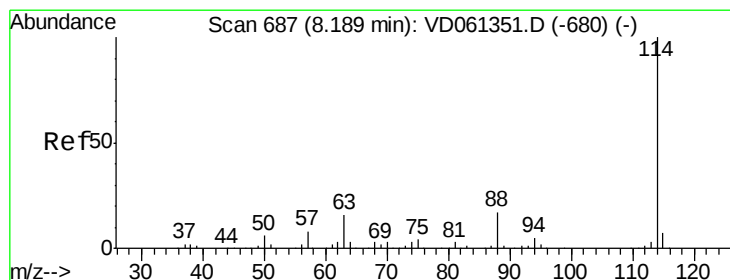
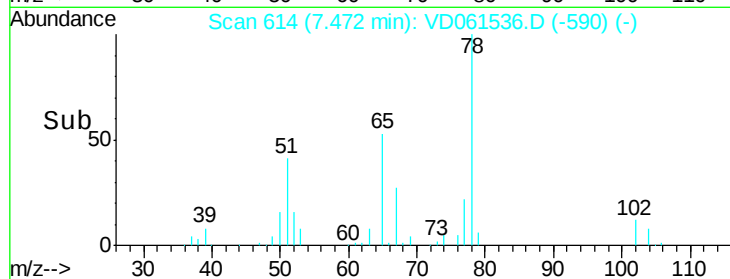
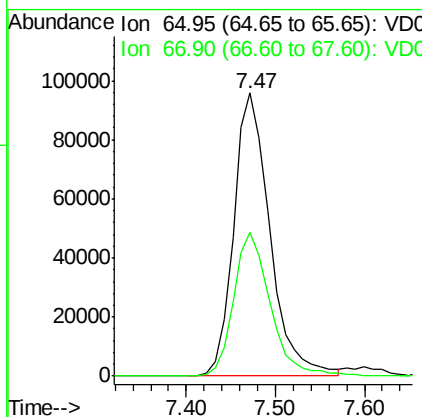
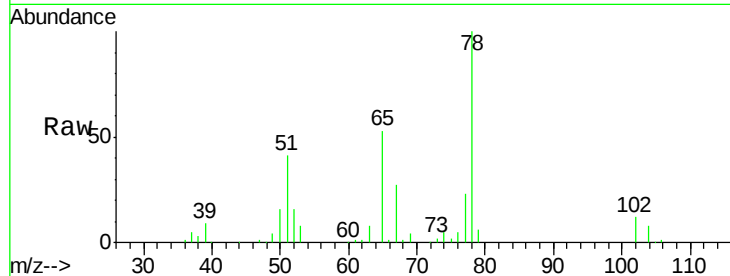




#33
 1,2-Dichloroethane-d4
 Concen: 22.027 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

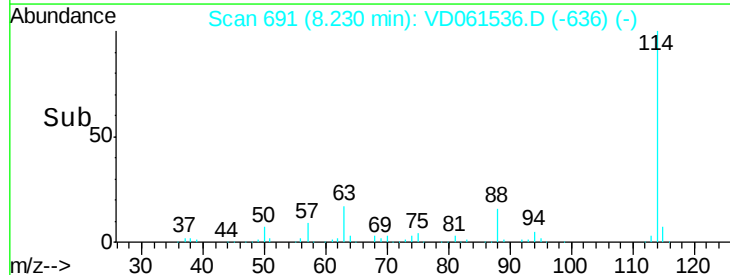
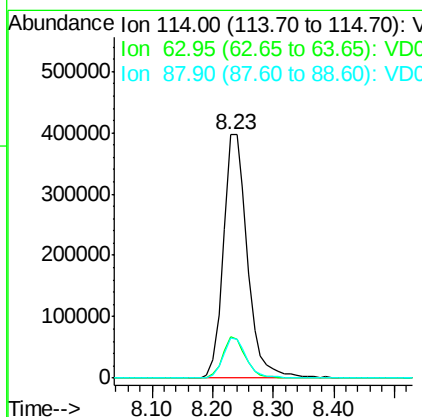
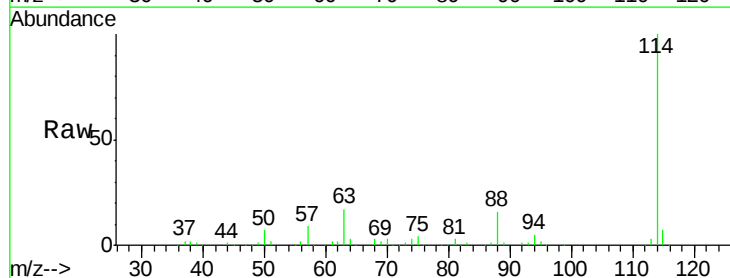
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

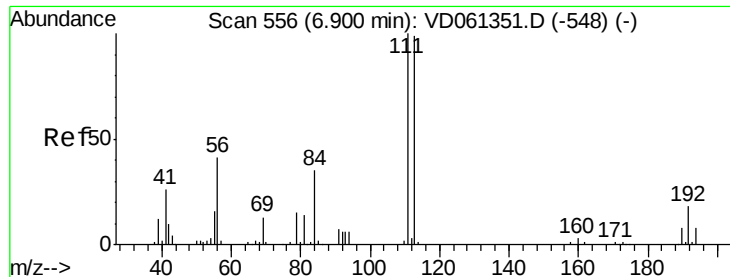
Tot Ion: 65 Resp: 270314
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 114 Resp: 1094642
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 31.6
 88 16.4 0.0 33.4

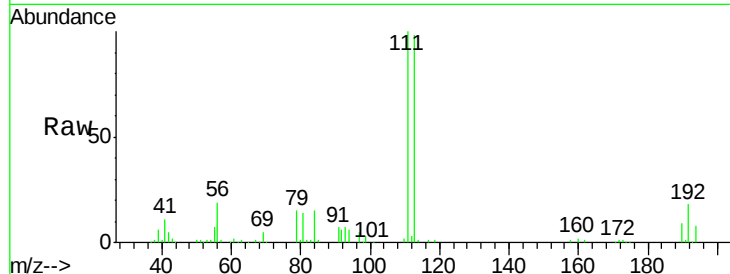




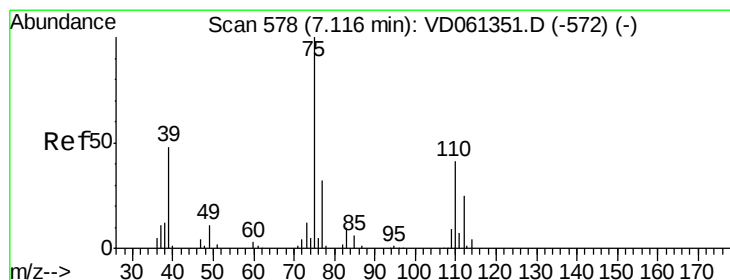
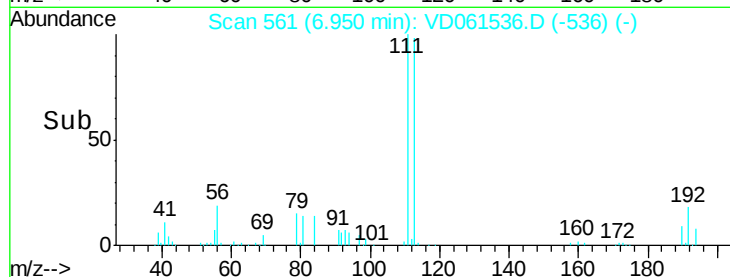
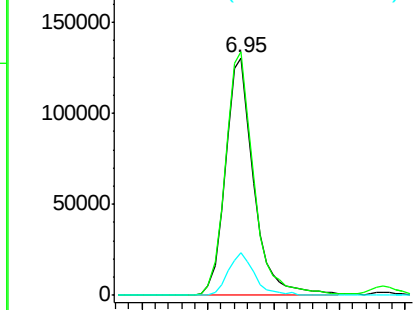
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion:113 Resp: 392809
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.6
 192 18.0 14.4 21.6

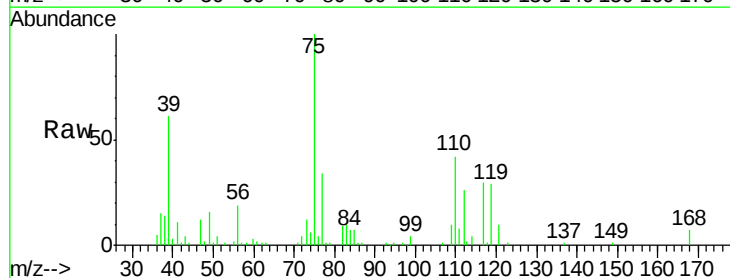


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

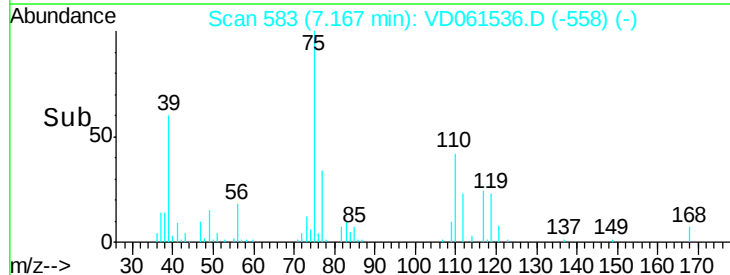
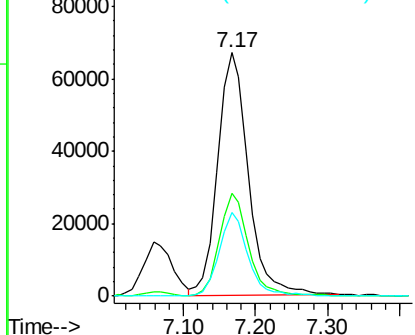


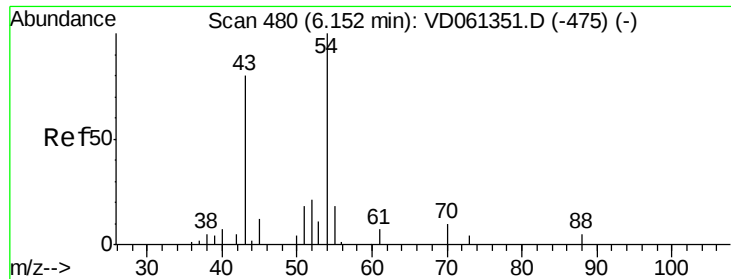
#36
 1,1-Dichloropropene
 Concen: 20.593 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.05 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 75 Resp: 196743
 Ion Ratio Lower Upper
 75 100
 110 42.3 20.4 61.3
 77 34.2 24.9 37.3



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

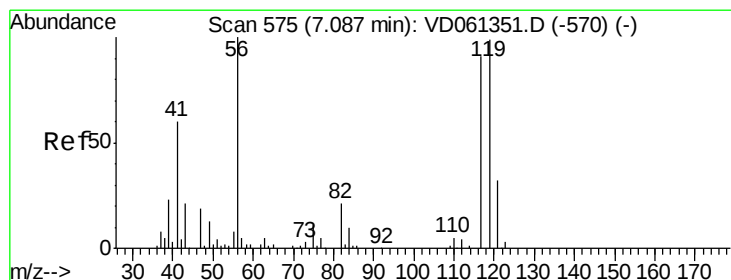
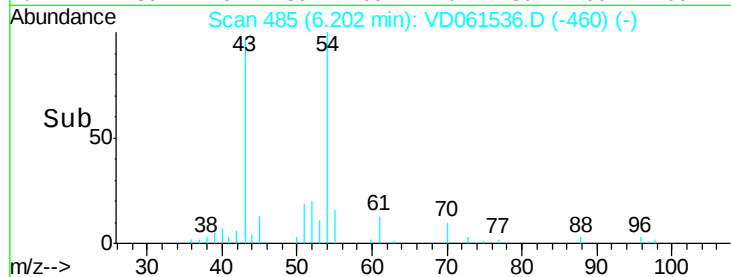
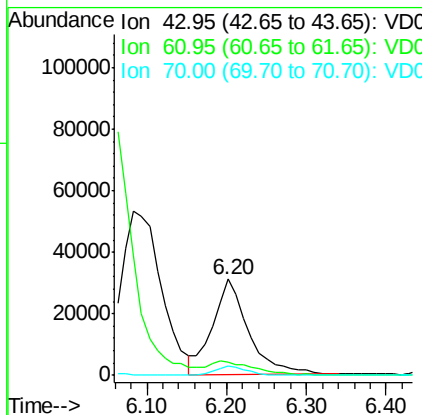
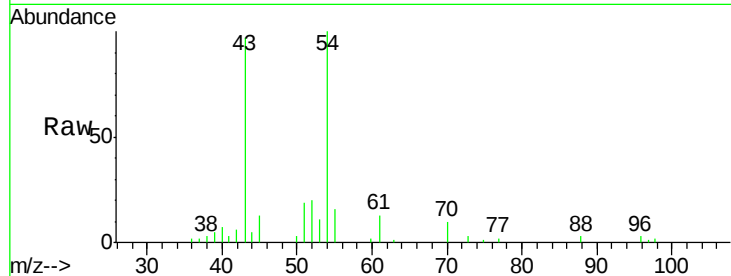




#37
Ethyl Acetate
Concen: 23.781 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

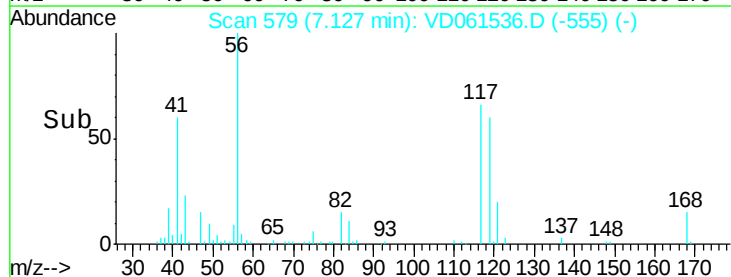
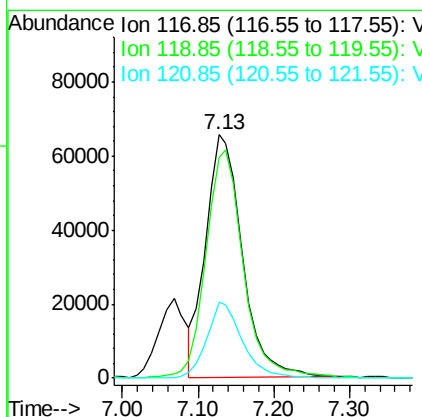
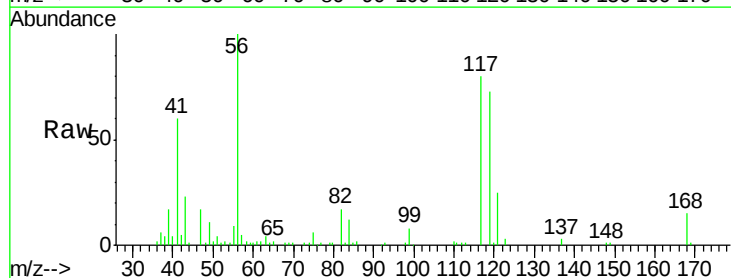
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

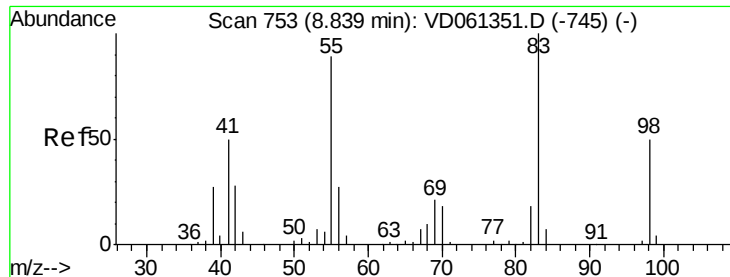
Tot Ion: 43 Resp: 97169
Ion Ratio Lower Upper
43 100
61 13.3 13.8 20.8#
70 10.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.039 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 117 Resp: 219988
Ion Ratio Lower Upper
117 100
119 90.8 80.1 120.1
121 31.1 25.6 38.4

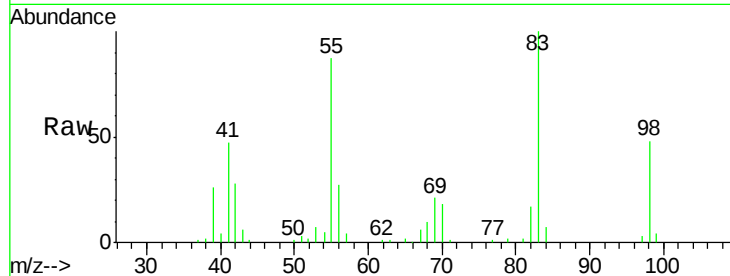




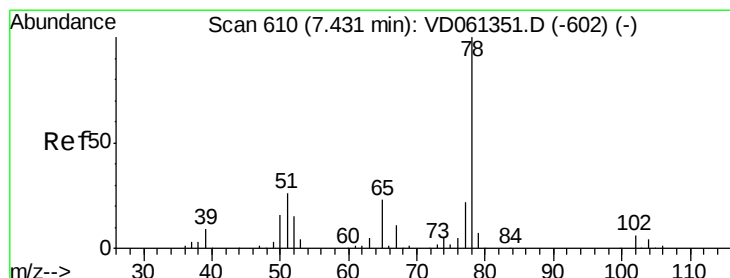
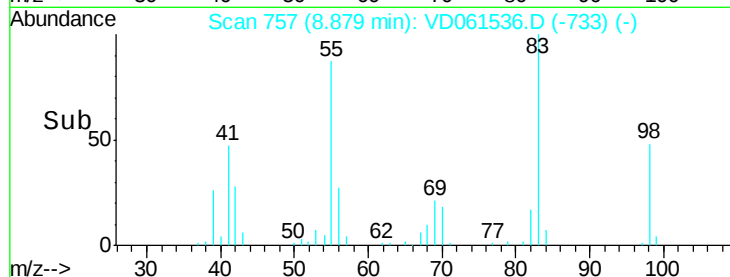
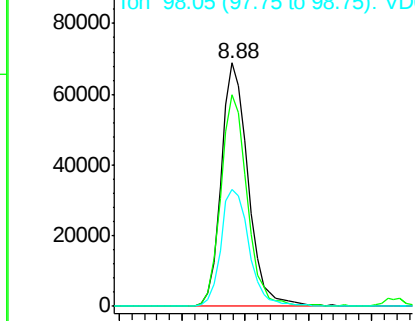
#39
Methvlcvclohexane
Concen: 20.468 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion: 83 Resp: 203662
Ion Ratio Lower Upper
83 100
55 87.0 71.5 107.3
98 47.8 40.3 60.5

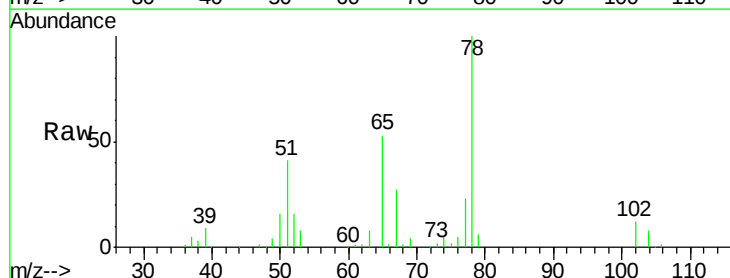


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

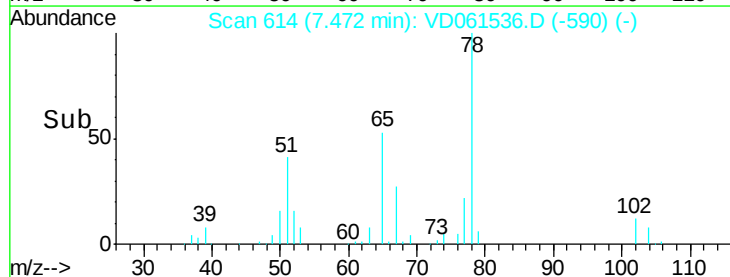
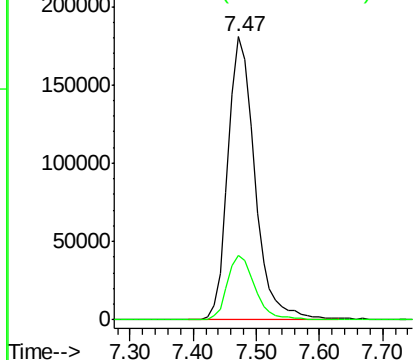


#40
Benzene
Concen: 22.373 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 78 Resp: 536455
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.6



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

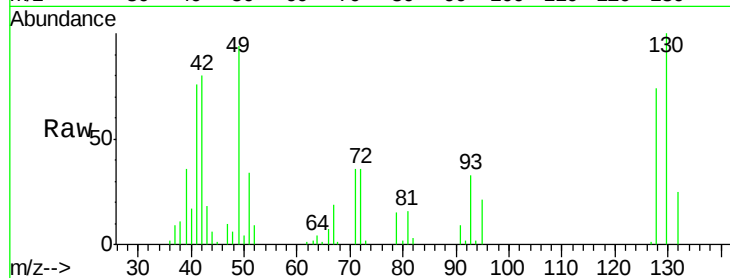




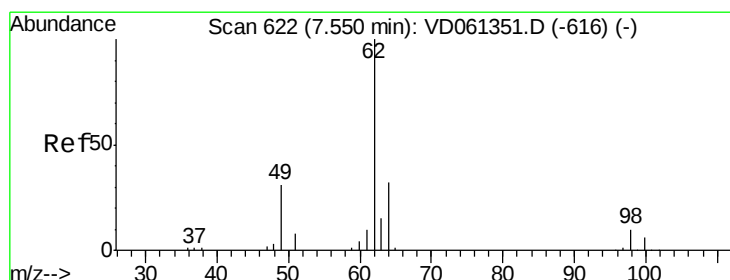
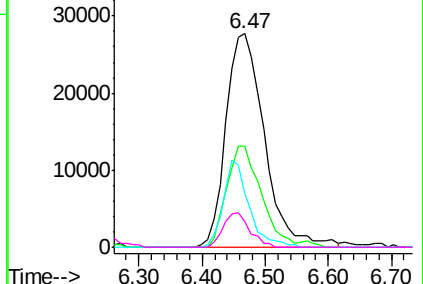
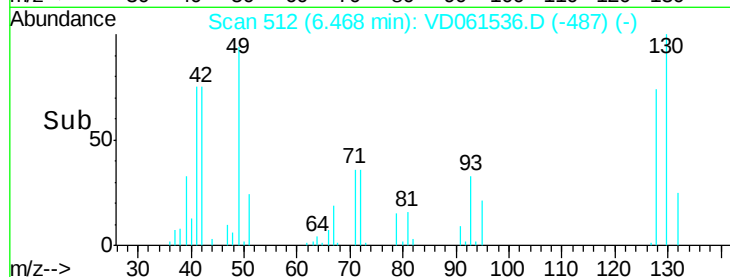
#41
Methacrylonitrile
Concen: 24.553 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion: 41 Resp: 117300
Ion Ratio Lower Upper
41 100
39 47.4 35.0 52.6
67 24.9 21.0 31.6
52 12.1 7.7 11.5#

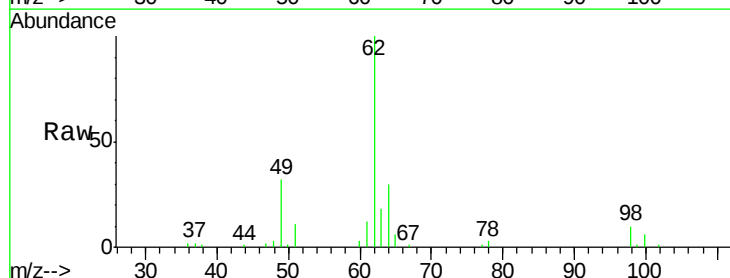


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

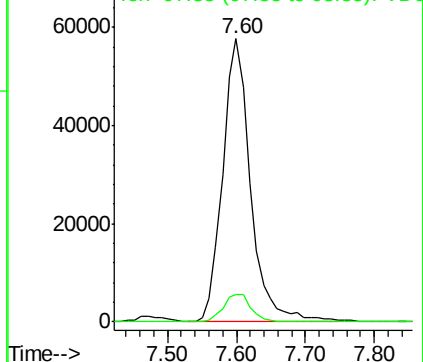
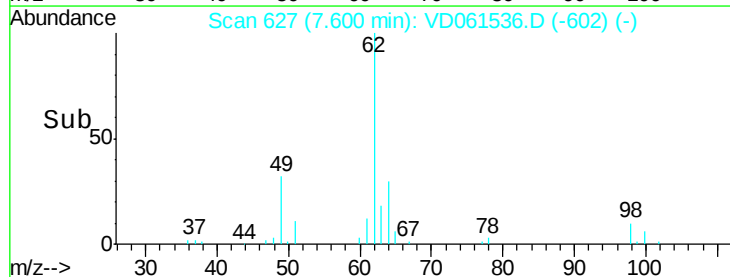


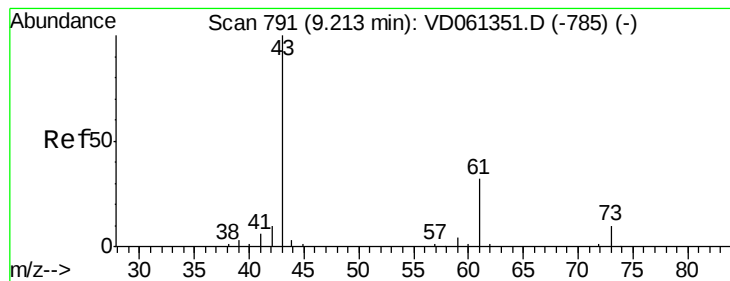
#42
1,2-Dichloroethane
Concen: 22.583 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.05 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 62 Resp: 161968
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8



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



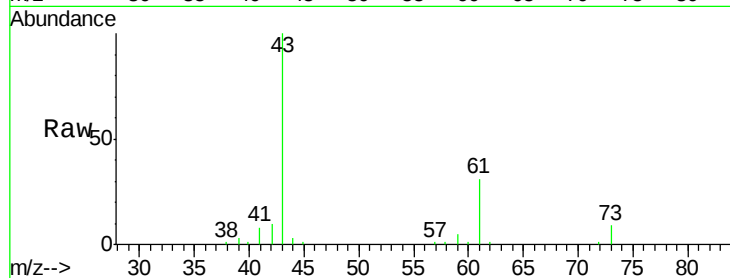


#43

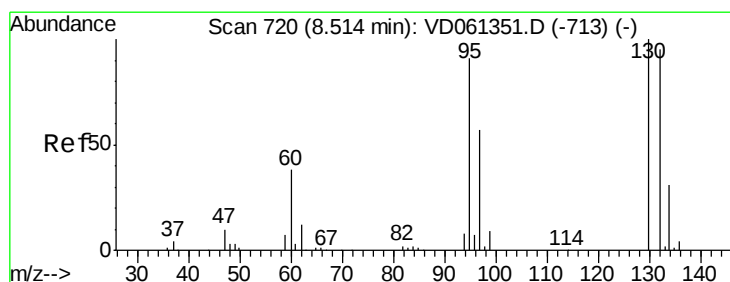
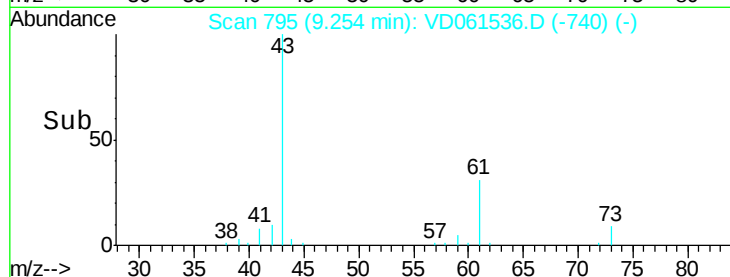
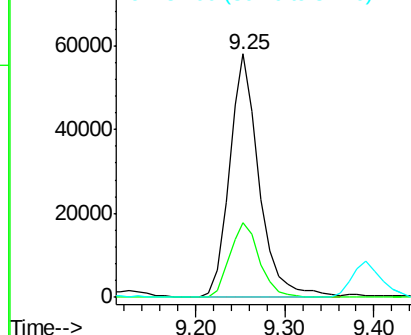
Isopropyl Acetate
 Concen: 22.664 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion: 43 Resp: 134733
 Ion Ratio Lower Upper
 43 100
 61 30.8 25.8 38.6
 87 0.0 0.0 0.0



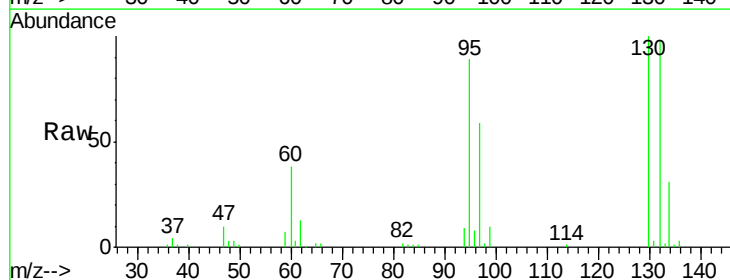
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



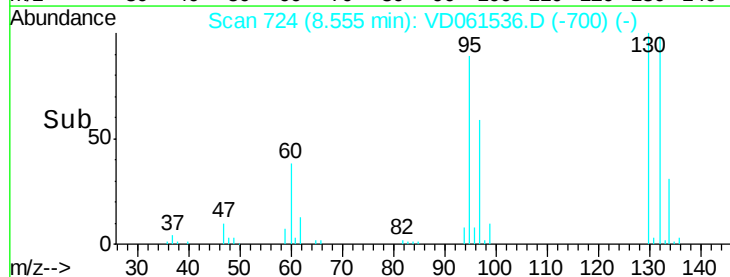
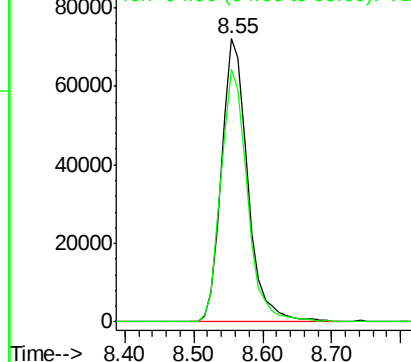
#44

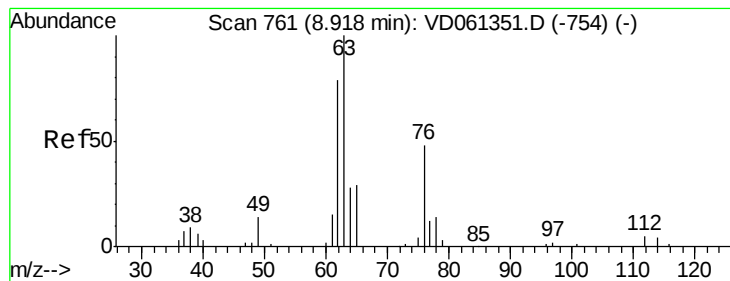
Trichloroethene
 Concen: 21.254 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 130 Resp: 189654
 Ion Ratio Lower Upper
 130 100
 95 89.3 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 21.453 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

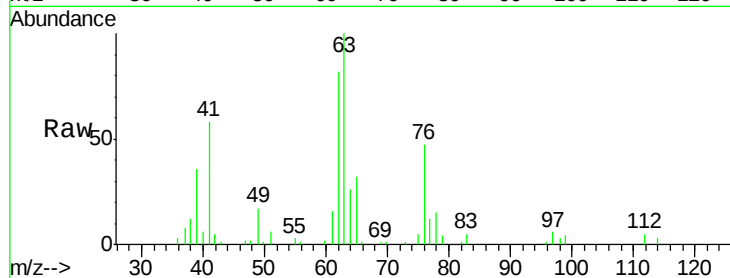
VD0402SBS03

Tot Ion: 63 Resp: 130431

Ion Ratio Lower Upper

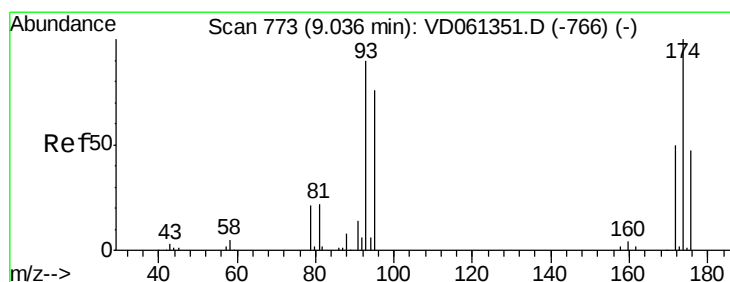
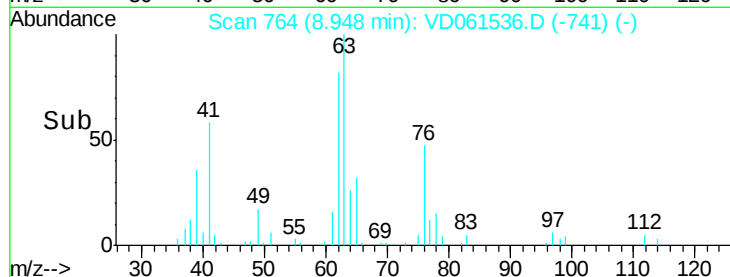
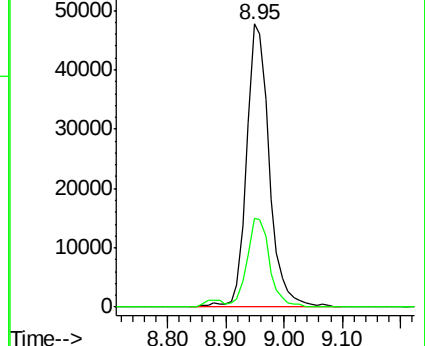
63 100

65 31.6 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: 23.425 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

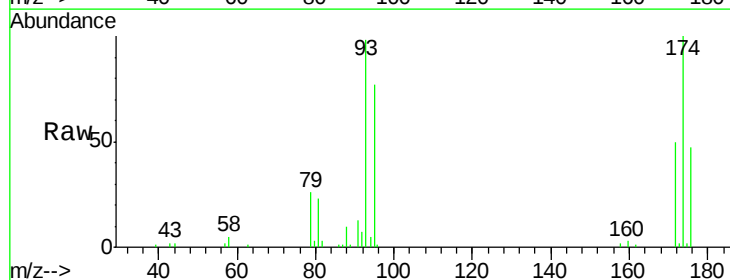
Tgt Ion: 93 Resp: 95860

Ion Ratio Lower Upper

93 100

95 78.9 67.4 101.0

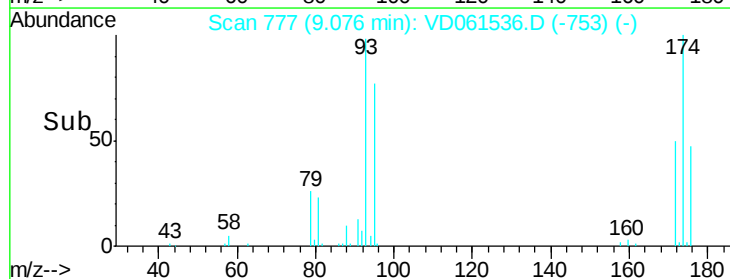
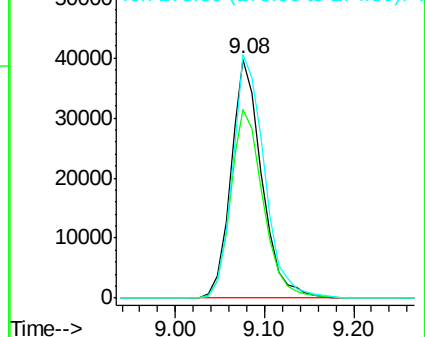
174 102.0 88.9 133.3

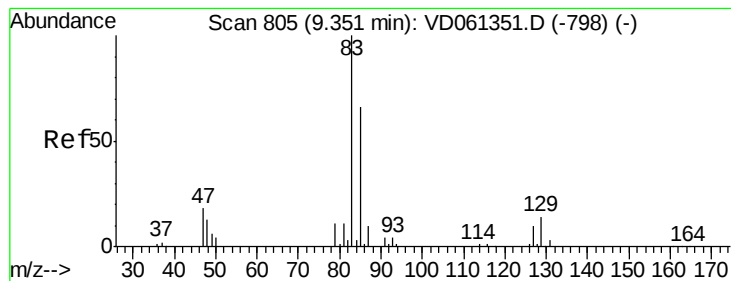


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.093 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

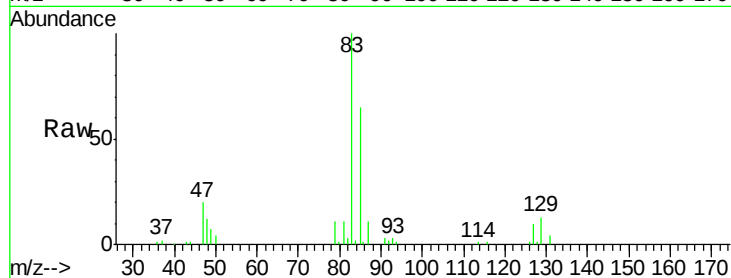
Tot Ion: 83 Resp: 193733

Ion Ratio Lower Upper

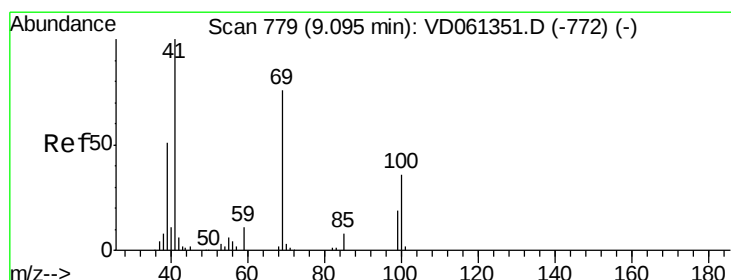
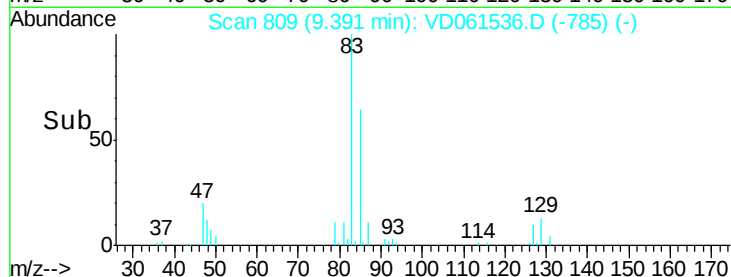
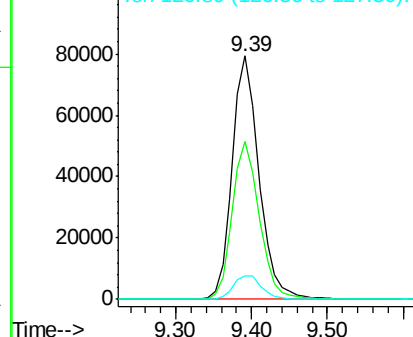
83 100

85 64.9 53.0 79.4

127 9.6 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: 23.585 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

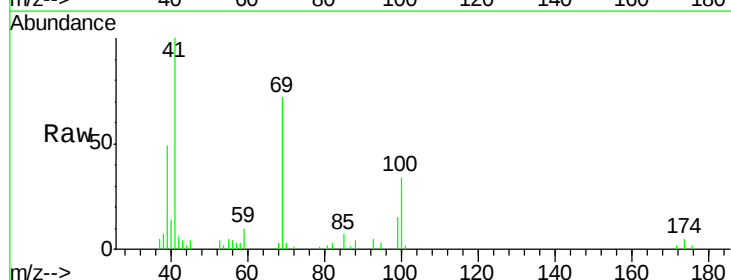
Tgt Ion: 41 Resp: 77380

Ion Ratio Lower Upper

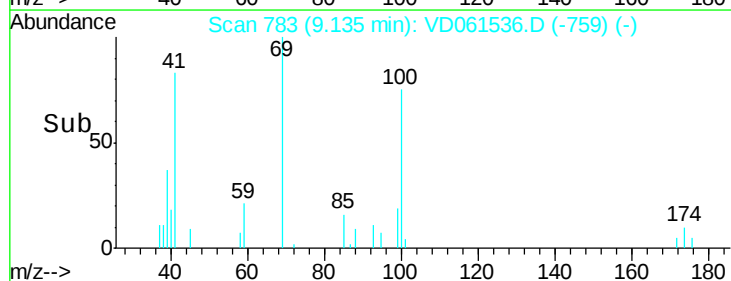
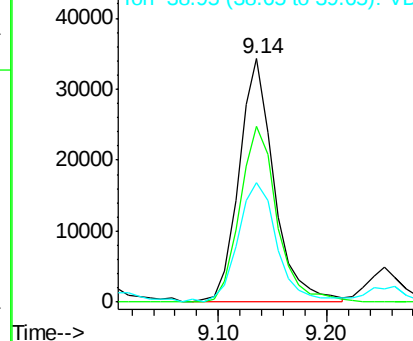
41 100

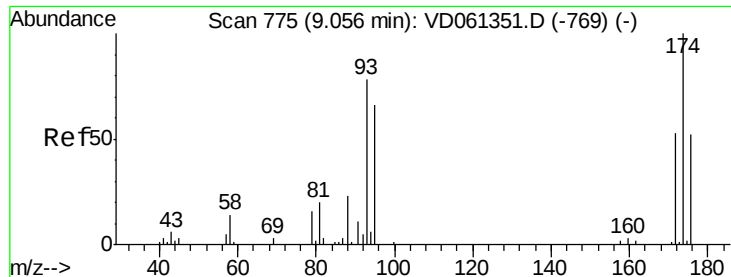
69 72.2 60.2 90.4

39 49.2 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

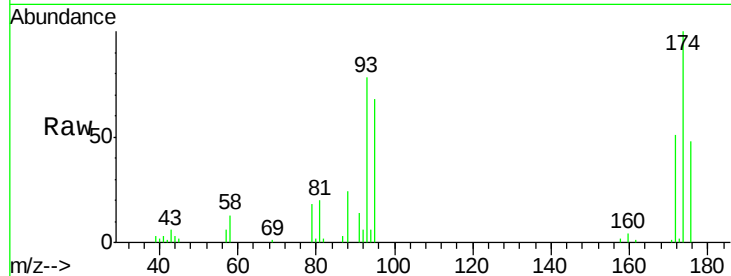




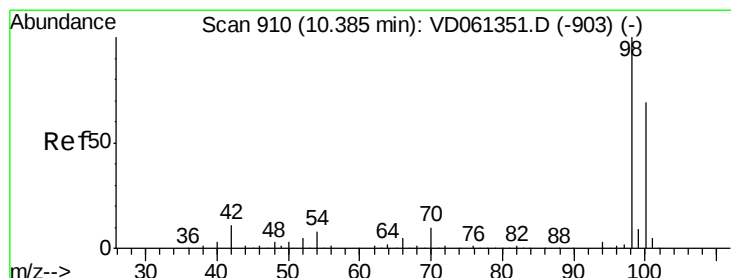
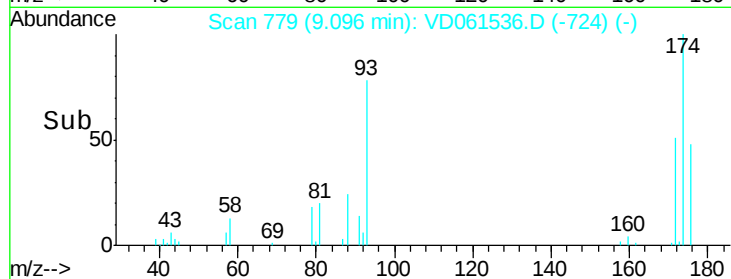
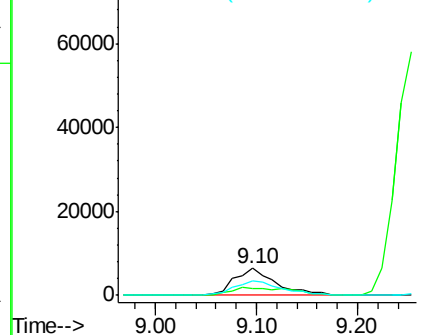
#49
1,4-Dioxane
Concen: 508.947 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion: 88 Resp: 18418
Ion Ratio Lower Upper
88 100
43 26.0 23.3 34.9
58 53.7 50.8 76.2

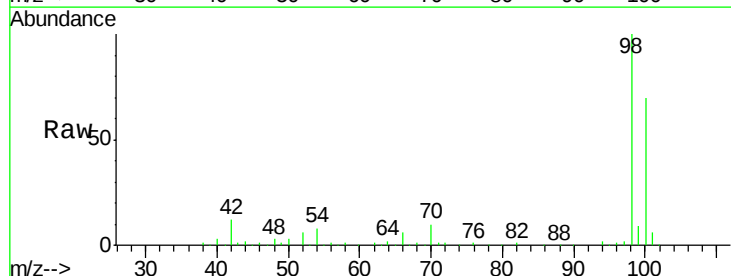


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

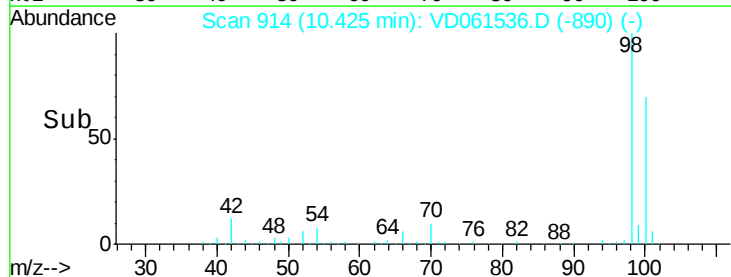
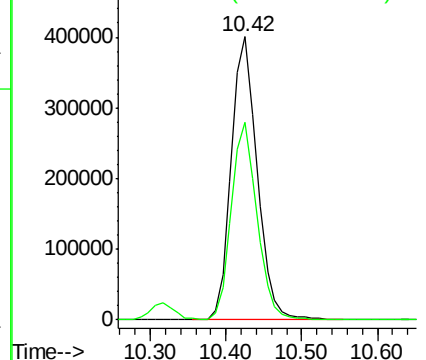


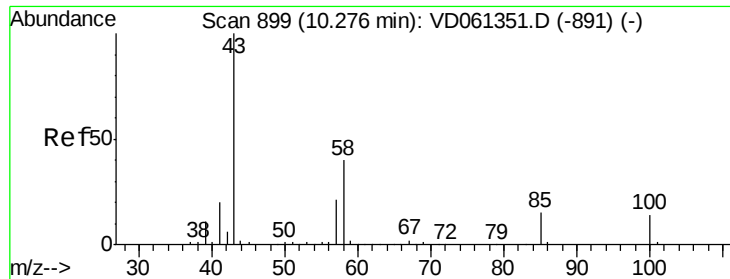
#50
Toluene-d8
Concen: 508.947 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 98 Resp: 948925
Ion Ratio Lower Upper
98 100
100 69.9 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: 117.458 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

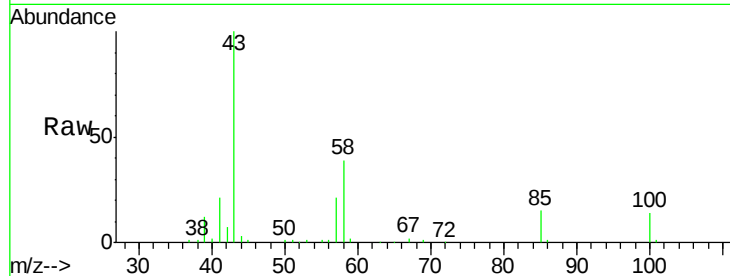
VD0402SBSD03

Tot Ion: 43 Resp: 424826

Ion Ratio Lower Upper

43 100

58 38.6 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

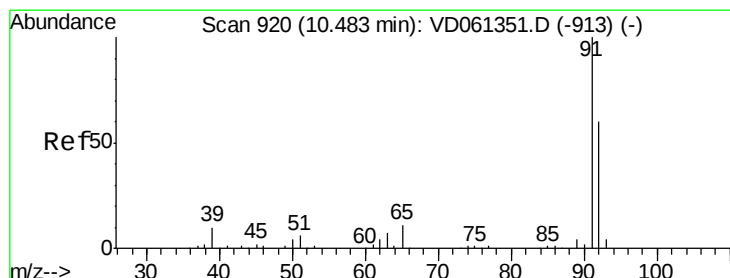
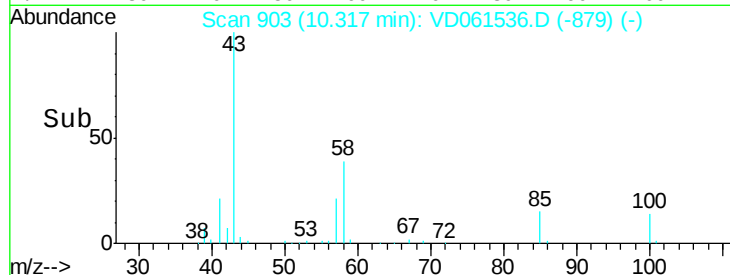
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.835 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061536.D

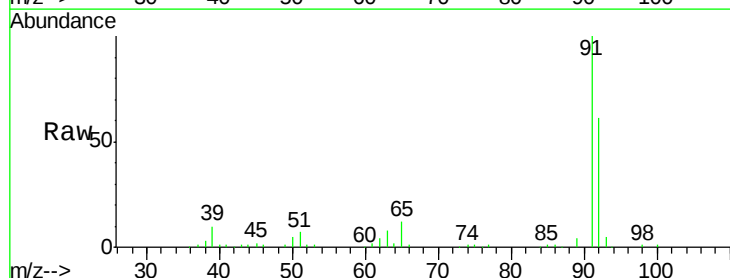
Acq: 3 Apr 2019 4:06

Tgt Ion: 92 Resp: 334030

Ion Ratio Lower Upper

92 100

91 164.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

250000

200000

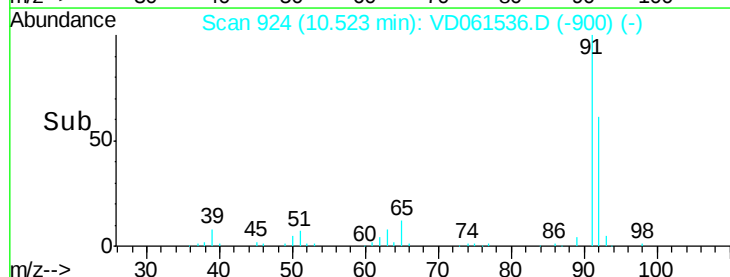
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.566 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

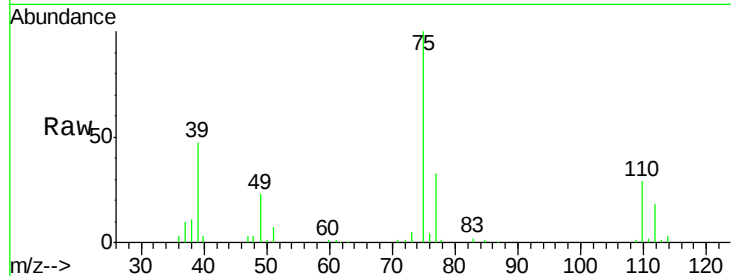
VD0402SBSD03

Tot Ion: 75 Resp: 188314

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

80000

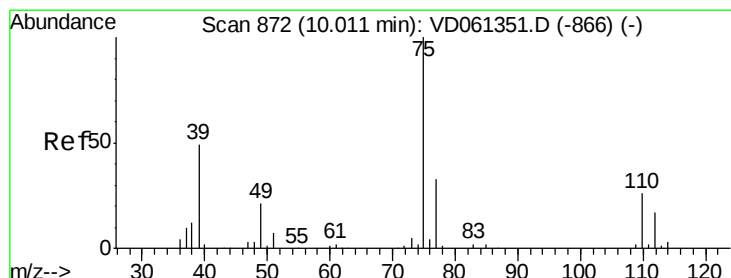
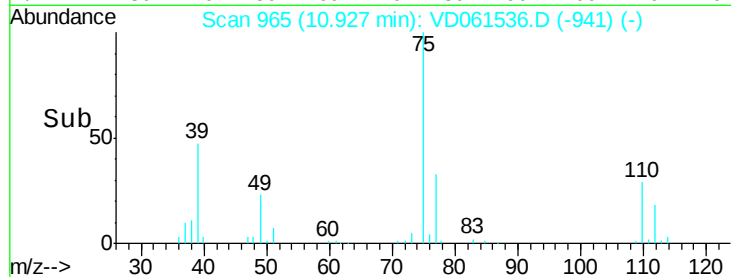
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.293 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.04 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

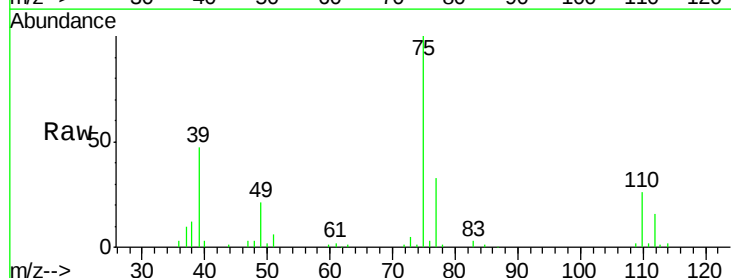
Tgt Ion: 75 Resp: 216369

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4

39 47.2 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

120000

100000

80000

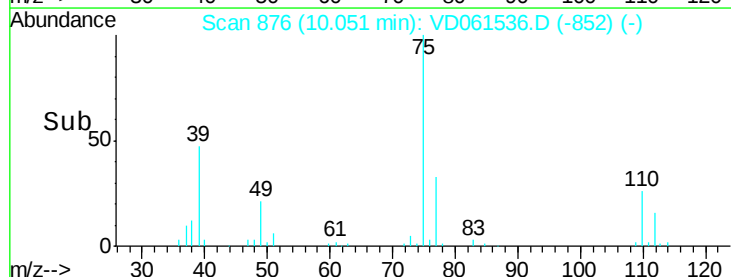
60000

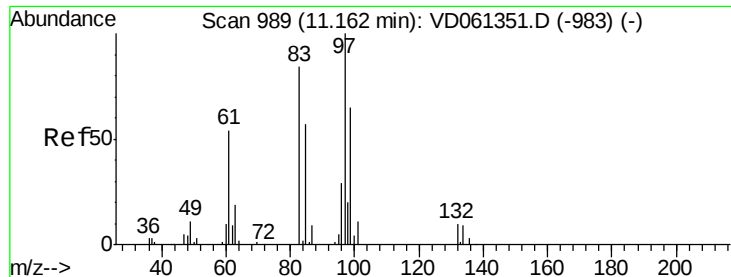
40000

20000

0

Time-->

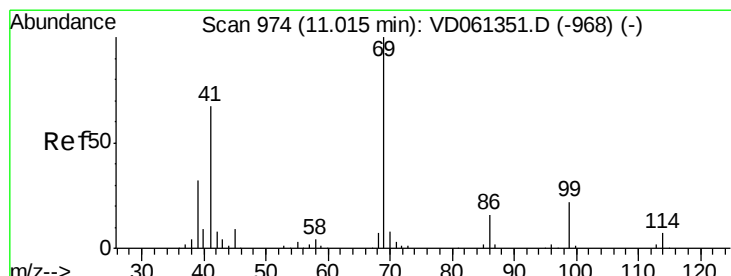
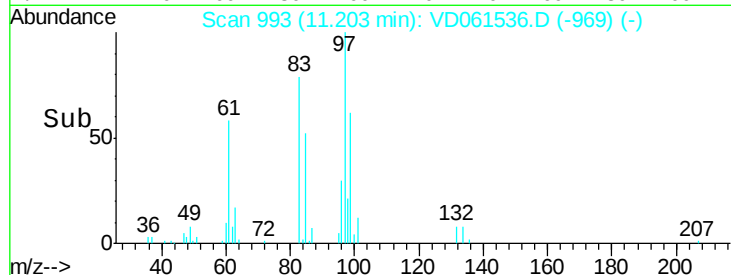
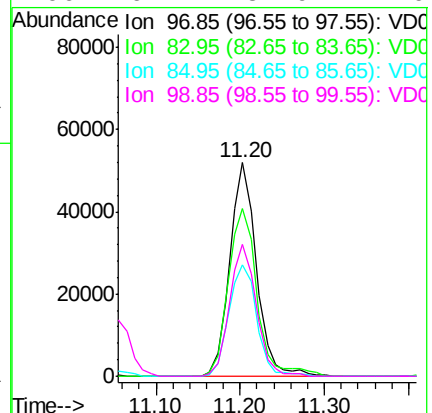
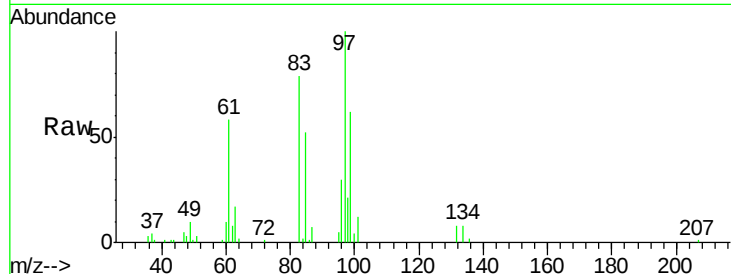




#55
 1,1,2-Trichloroethane
 Concen: 22.294 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

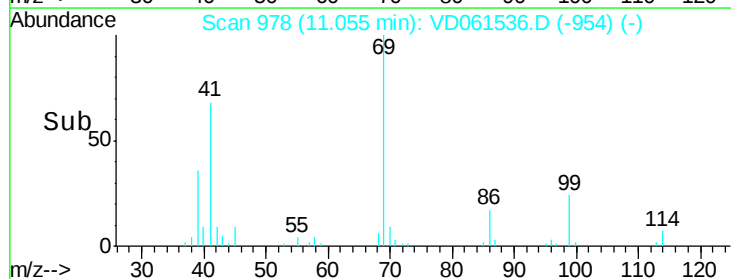
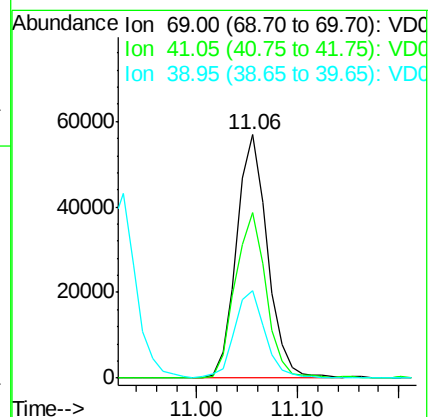
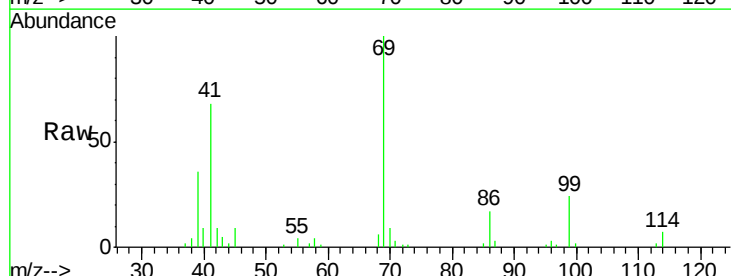
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

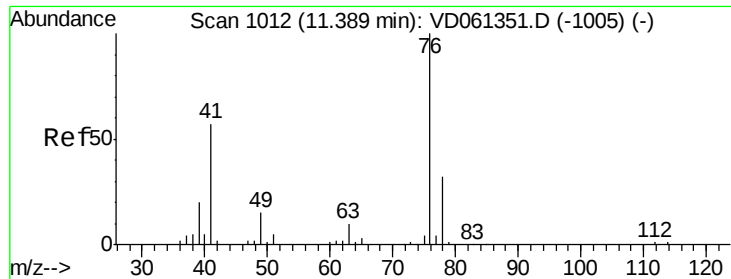
Tot Ion: 97 Resp: 114051
 Ion Ratio Lower Upper
 97 100
 83 78.7 67.0 100.6
 85 51.9 45.4 68.2
 99 61.7 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 22.043 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 69 Resp: 121139
 Ion Ratio Lower Upper
 69 100
 41 68.1 53.8 80.6
 39 35.7 26.4 39.6





#57

1,3-Dichloropropane

Concen: 23.605 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.03 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

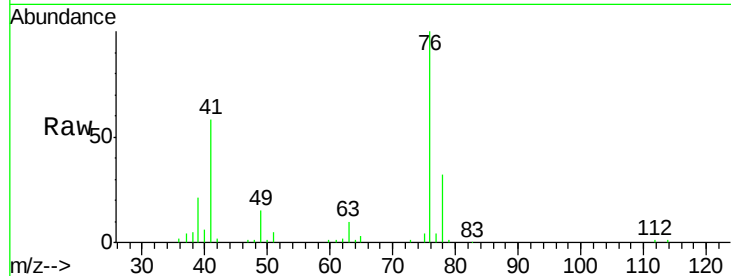
VD0402SBSD03

Tot Ion: 76 Resp: 177493

Ion Ratio Lower Upper

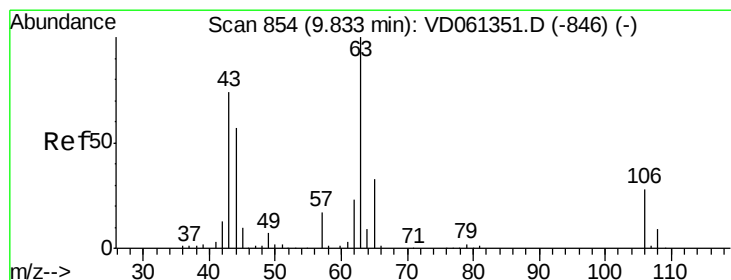
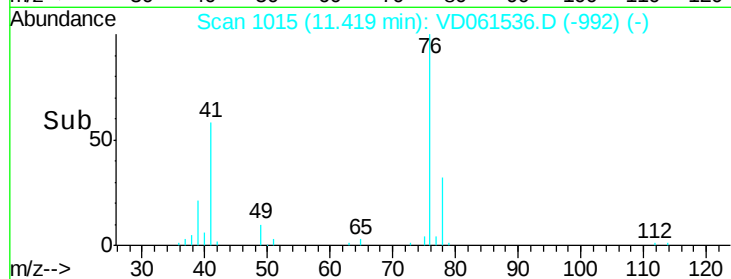
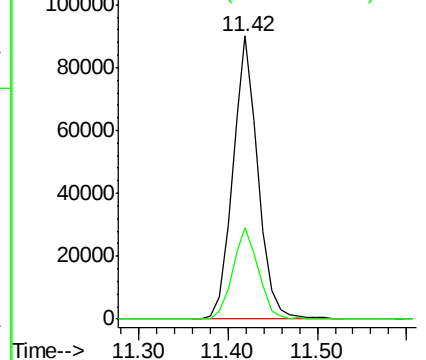
76 100

78 32.1 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: 112.667 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.04 min

Lab File: VD061536.D

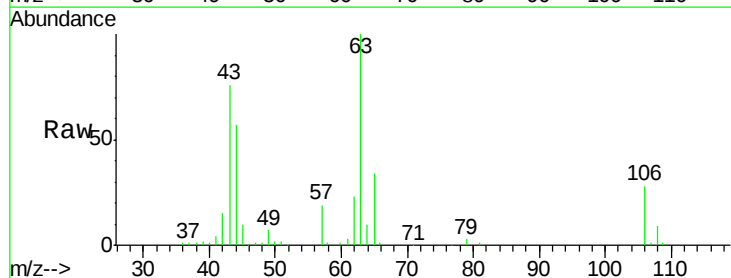
Acq: 3 Apr 2019 4:06

Tgt Ion: 63 Resp: 301538

Ion Ratio Lower Upper

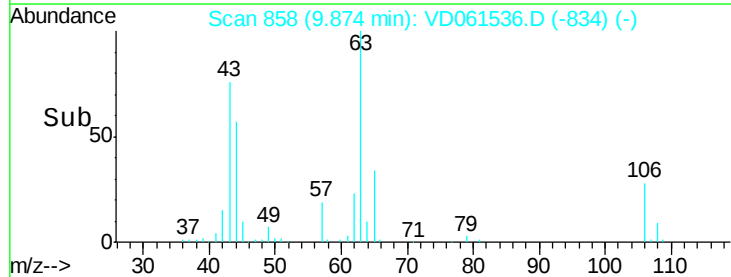
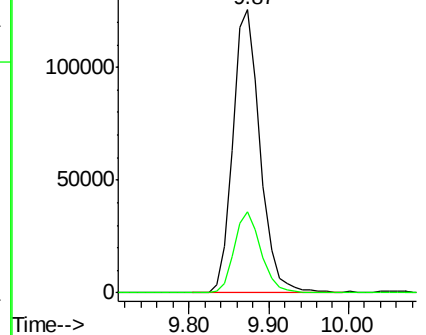
63 100

106 28.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

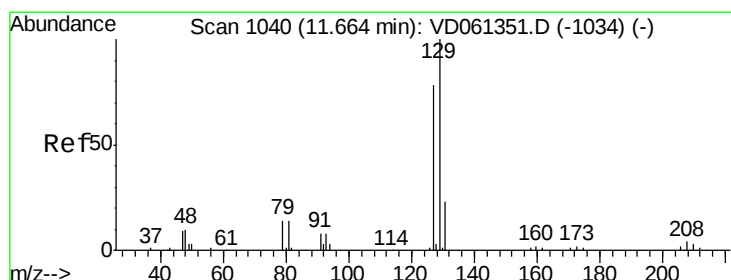
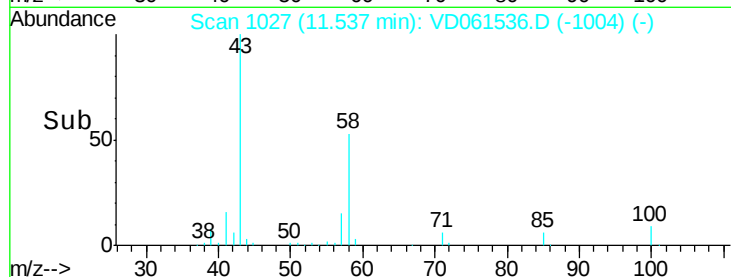
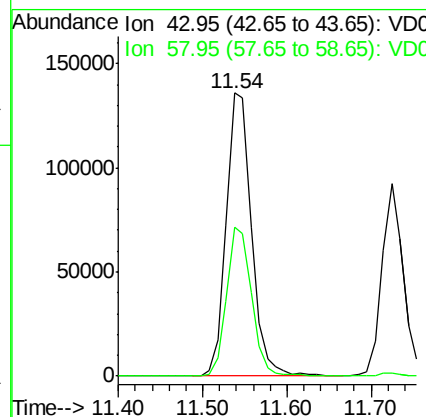
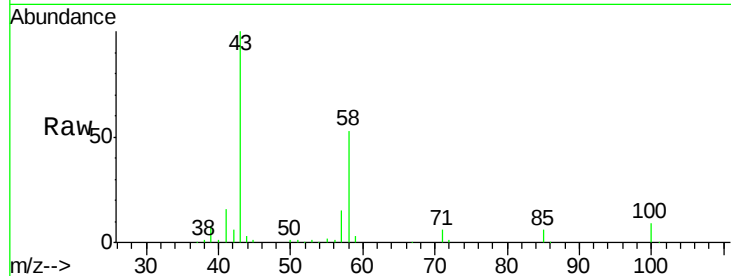




#59
2-Hexanone
Concen: 107.869 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

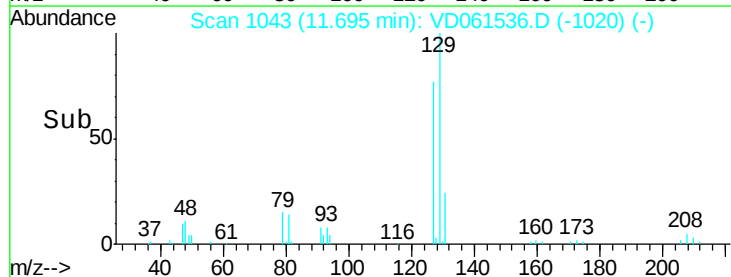
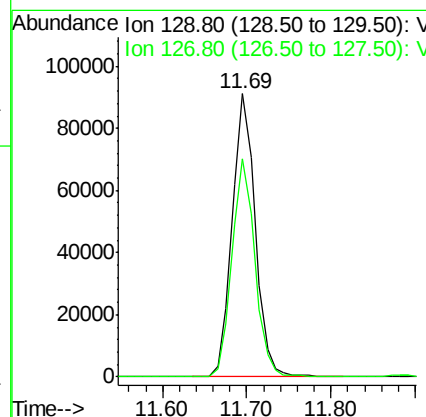
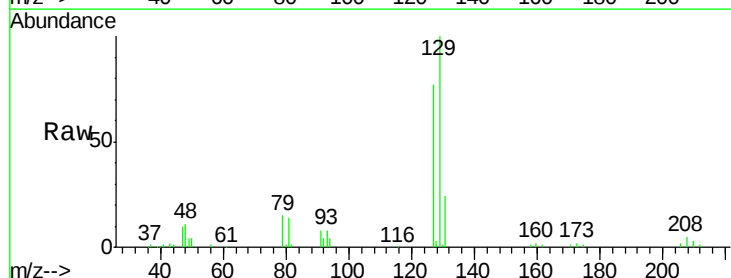
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

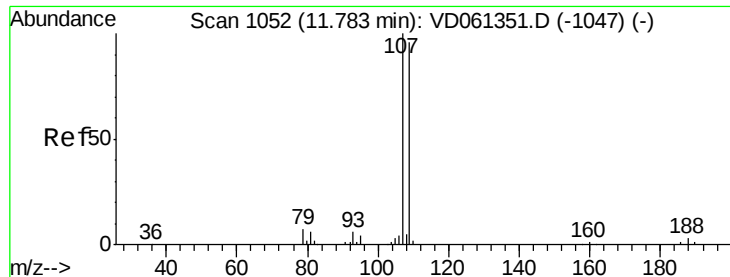
Tot Ion: 43 Resp: 282671
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.9



#60
Dibromochloromethane
Concen: 22.004 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 129 Resp: 173530
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9

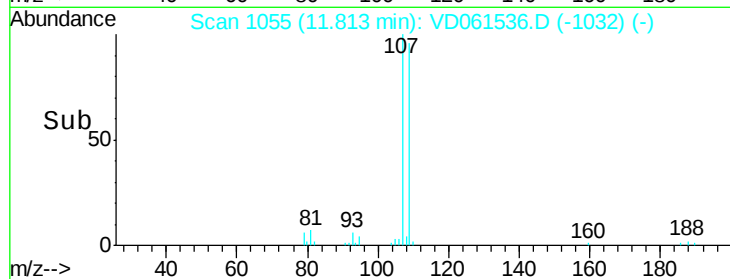
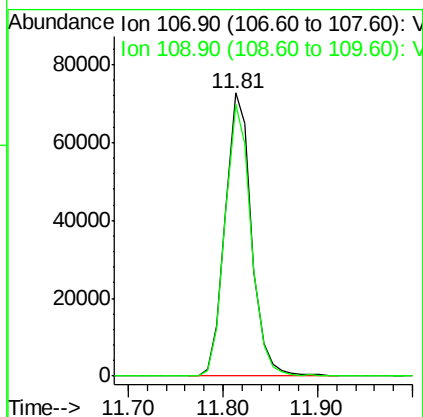
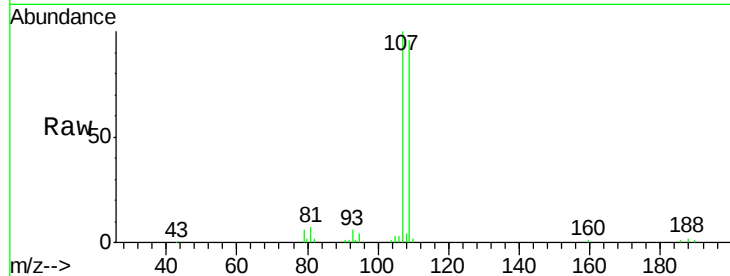




#61
 1,2-Dibromoethane
 Concen: 23.596 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

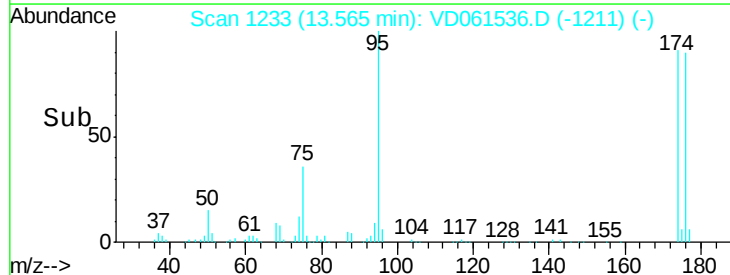
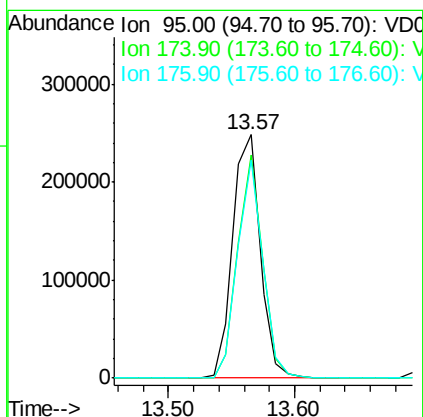
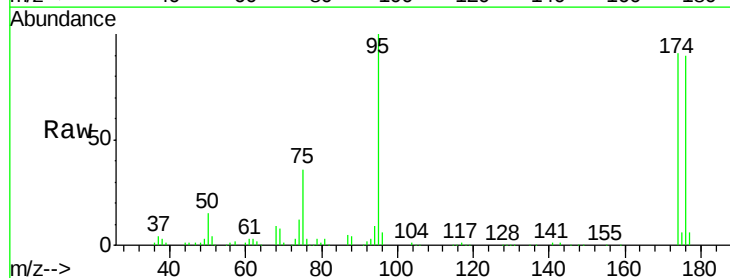
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

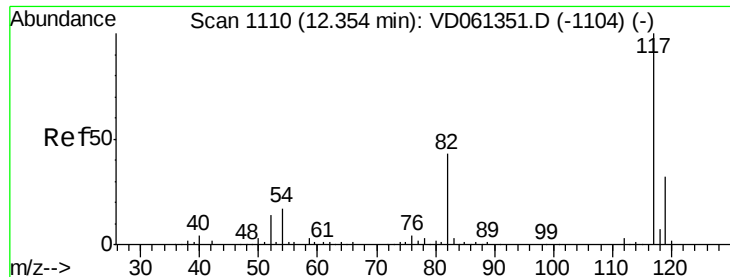
Tot Ion: 107 Resp: 139779
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 23.596 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 95 Resp: 372996
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 178.0
 176 89.5 0.0 175.0

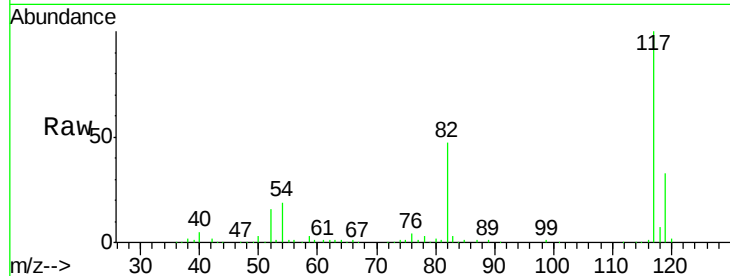




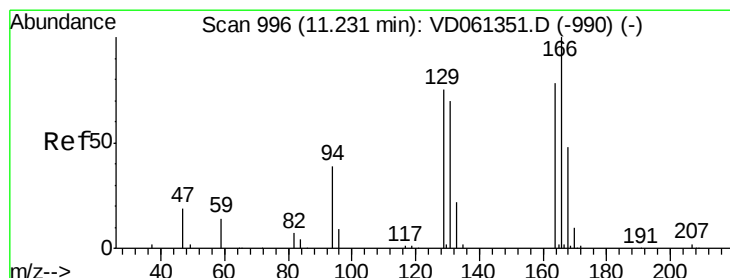
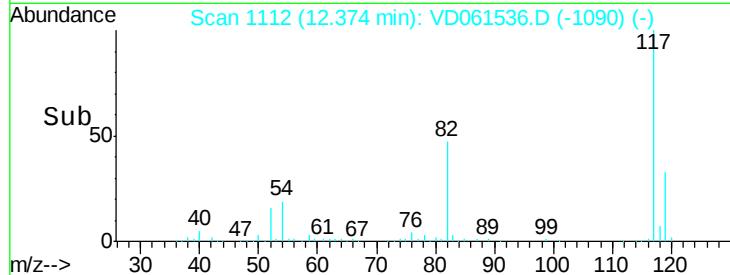
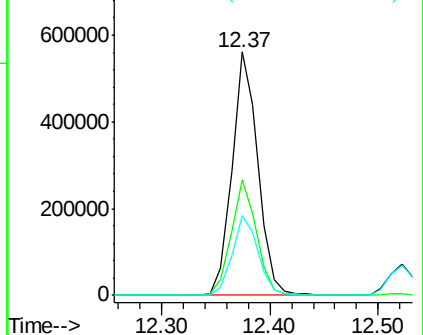
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion:117 Resp: 929257
Ion Ratio Lower Upper
117 100
82 47.4 34.4 51.6
119 32.7 25.8 38.6

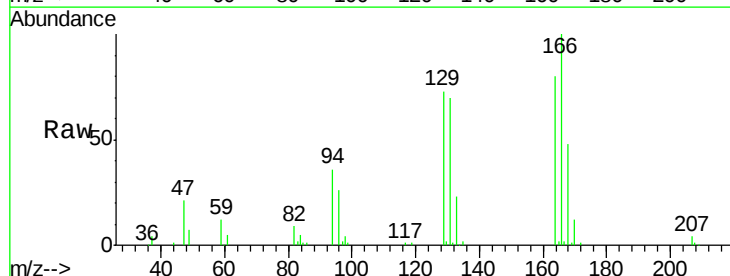


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

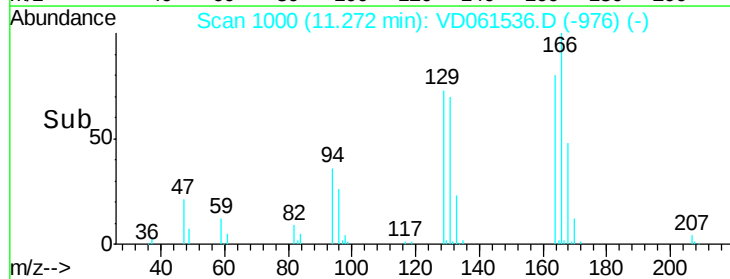
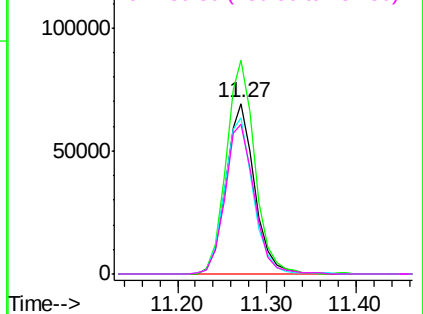


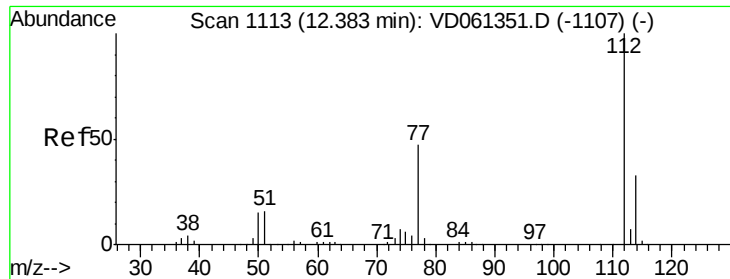
#64
Tetrachloroethene
Concen: 21.345 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion:164 Resp: 155667
Ion Ratio Lower Upper
164 100
166 125.3 102.4 153.6
129 91.8 76.8 115.2
131 87.7 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

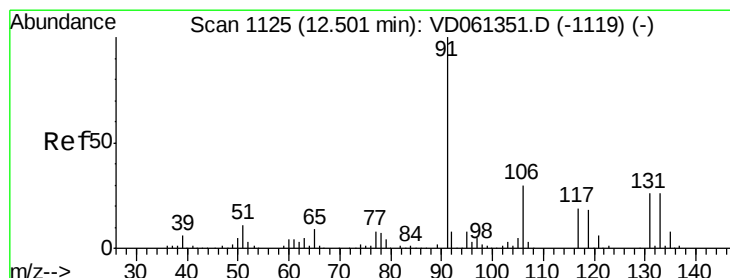
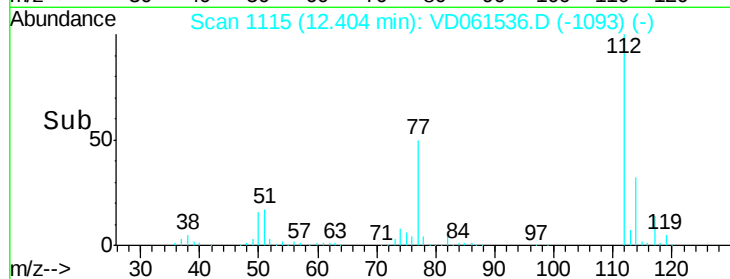
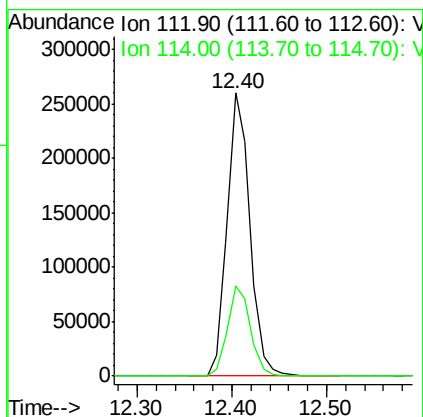
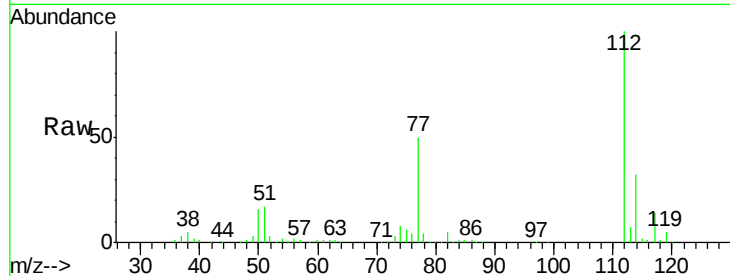




#65
Chlorobenzene
Concen: 22.786 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

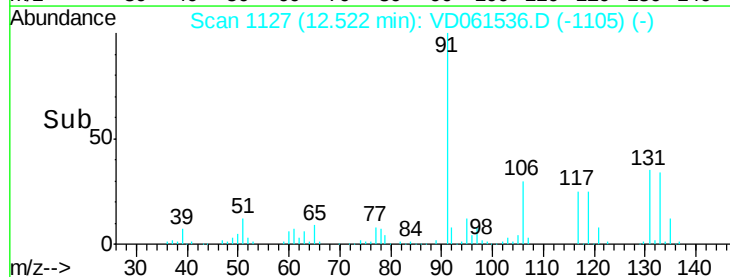
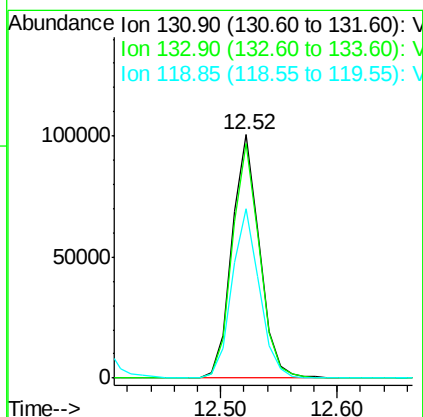
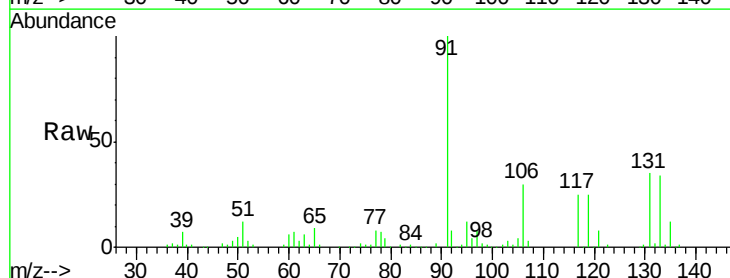
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

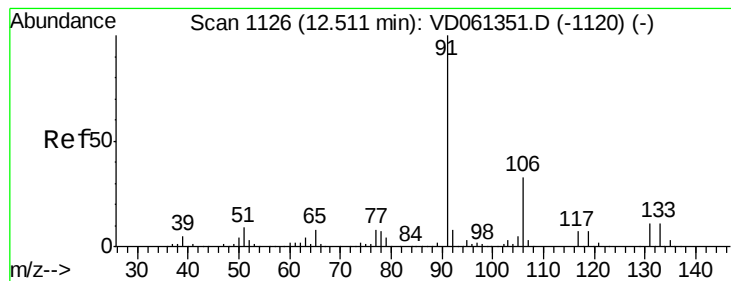
Tot Ion:112 Resp: 432731
Ion Ratio Lower Upper
112 100
114 31.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.321 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion:131 Resp: 164129
Ion Ratio Lower Upper
131 100
133 96.2 49.4 148.2
119 69.6 34.1 102.2





#67

Ethyl Benzene

Concen: 23.570 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

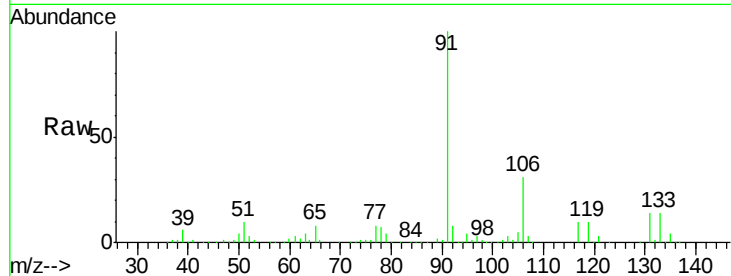
VD0402SBSD03

Tot Ion: 91 Resp: 683220

Ion Ratio Lower Upper

91 100

106 30.5 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V

12.53

400000

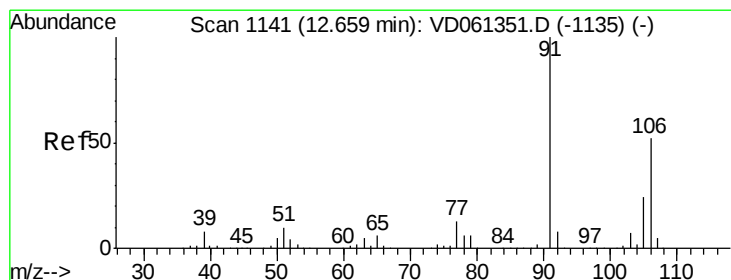
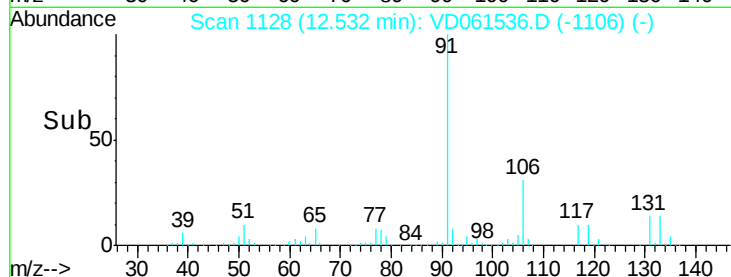
300000

200000

100000

0

Time-->



#68

m/p-Xylenes

Concen: 43.703 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VD061536.D

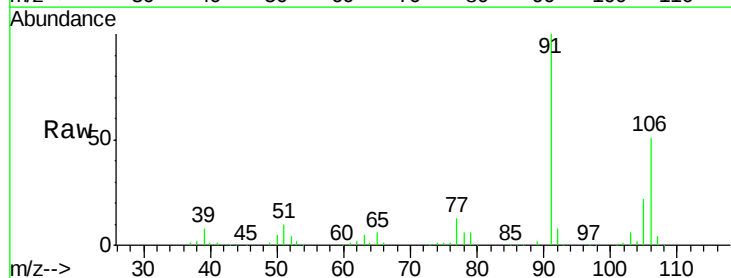
Acq: 3 Apr 2019 4:06

Tgt Ion:106 Resp: 479875

Ion Ratio Lower Upper

106 100

91 195.5 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

12.68

400000

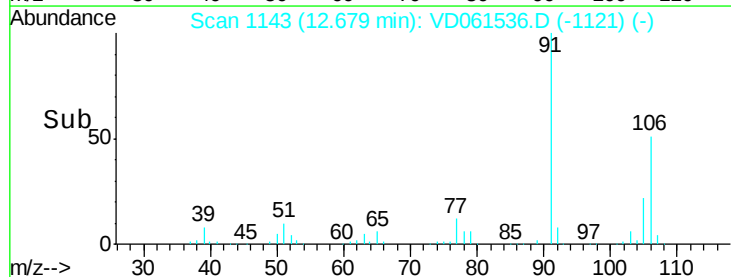
300000

200000

100000

0

Time-->

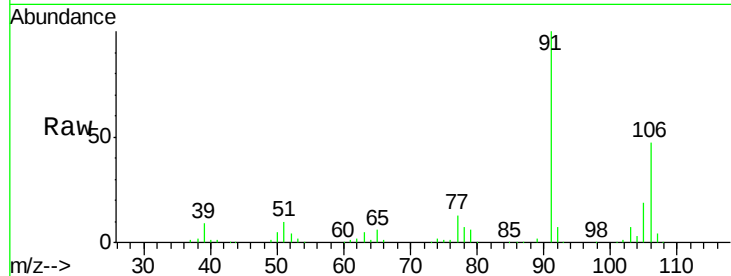




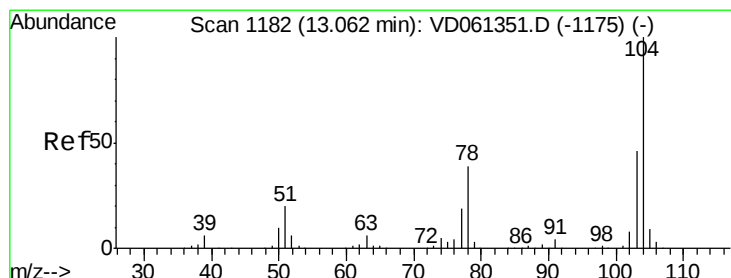
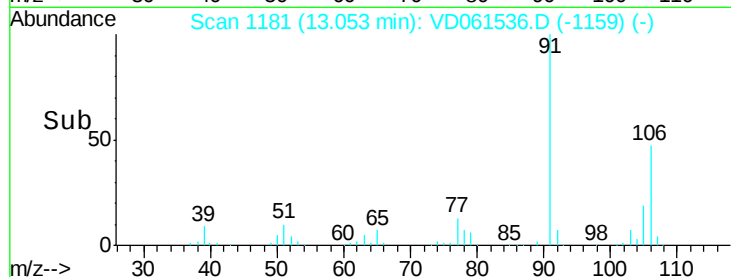
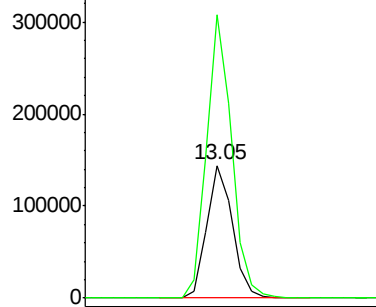
#69
o-Xylene
Concen: 20.745 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion:106 Resp: 221048
Ion Ratio Lower Upper
106 100
91 213.2 103.8 311.3

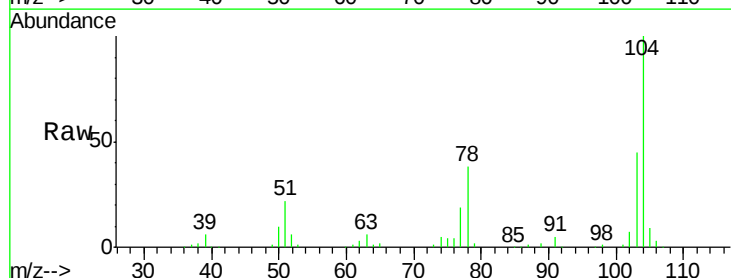


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

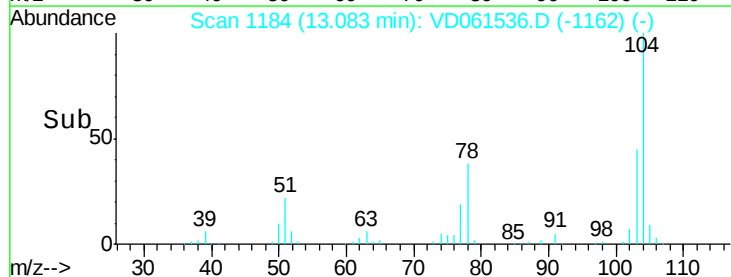
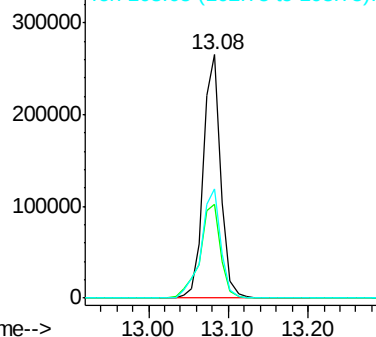


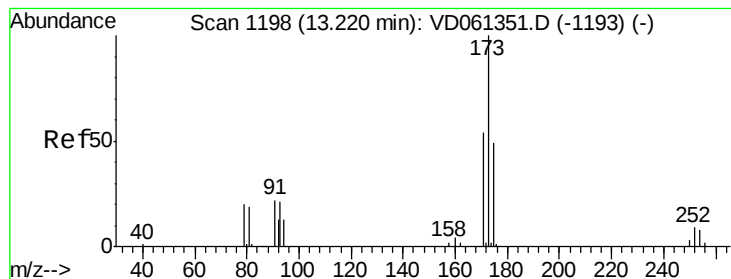
#70
Styrene
Concen: 21.976 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion:104 Resp: 408205
Ion Ratio Lower Upper
104 100
78 38.4 31.0 46.6
103 45.0 37.0 55.4



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





#71

Bromoform

Concen: 20.400 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

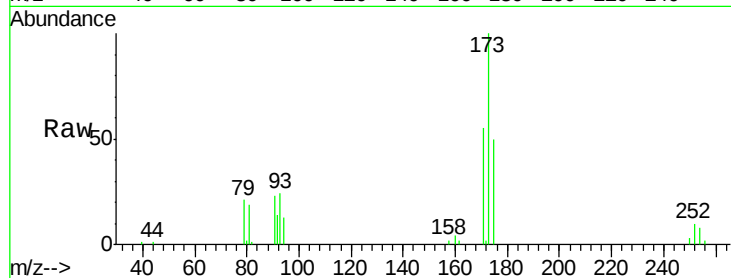
Tot Ion:173 Resp: 95089

Ion Ratio Lower Upper

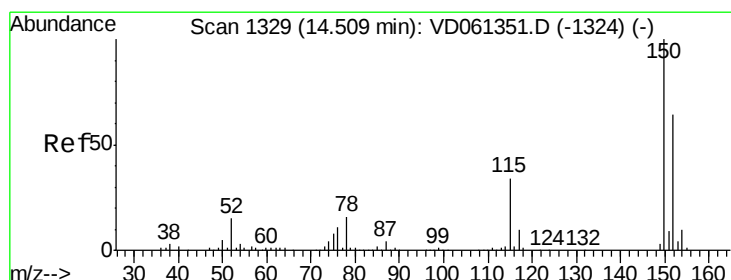
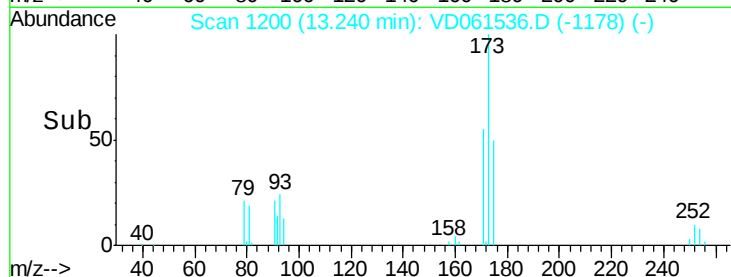
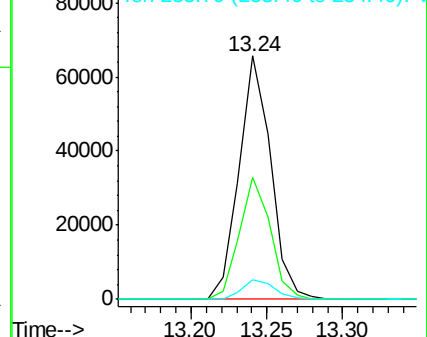
173 100

175 49.9 24.6 73.8

254 8.3 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: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

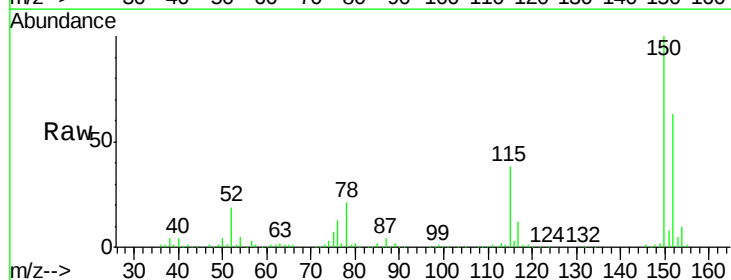
Tgt Ion:152 Resp: 401276

Ion Ratio Lower Upper

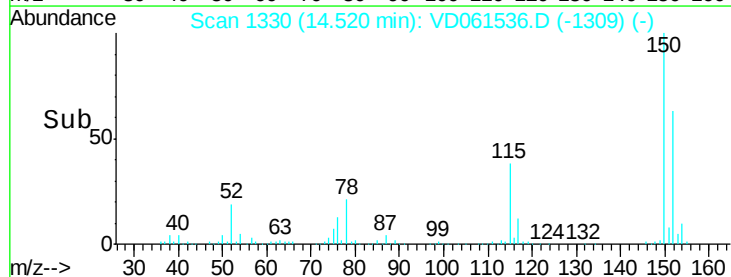
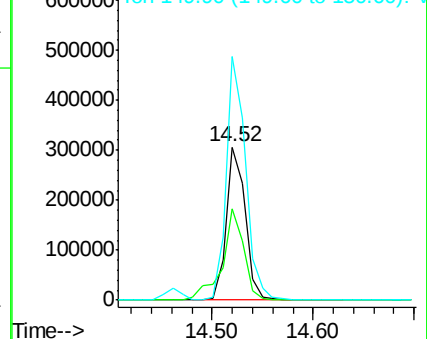
152 100

115 59.8 26.9 80.6

150 159.0 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

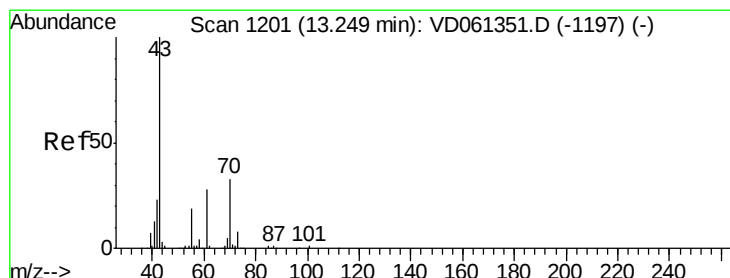
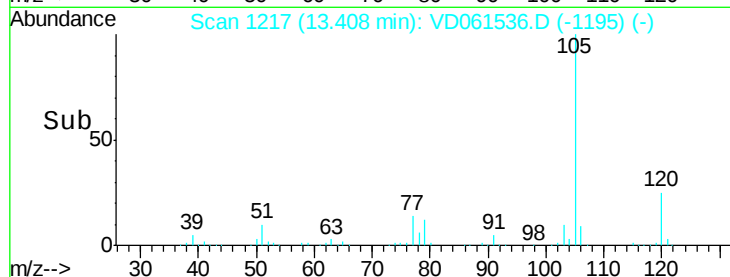
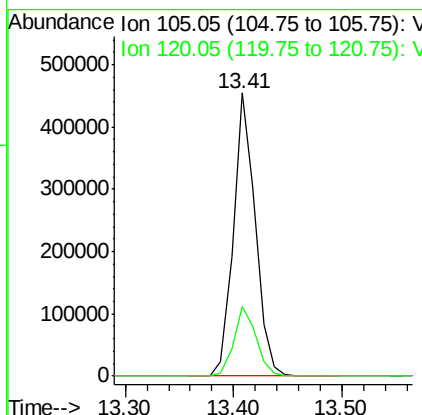
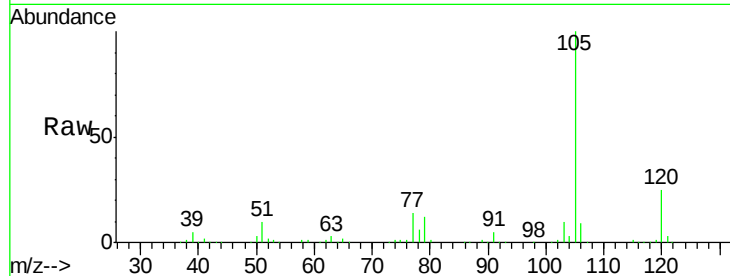




#73
Isopropylbenzene
Concen: 22.836 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

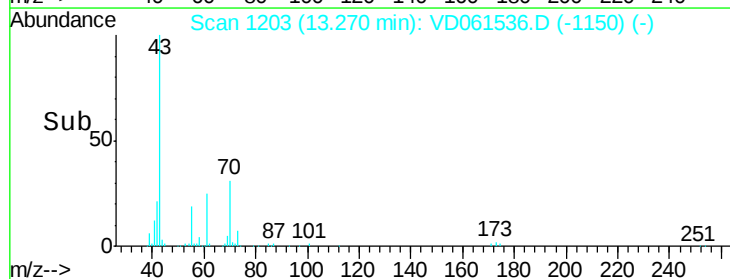
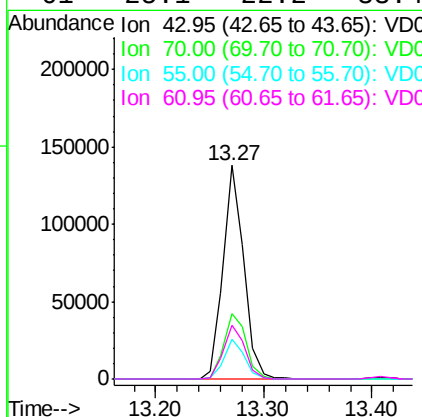
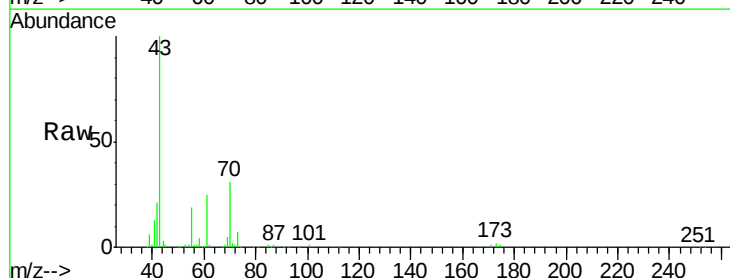
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

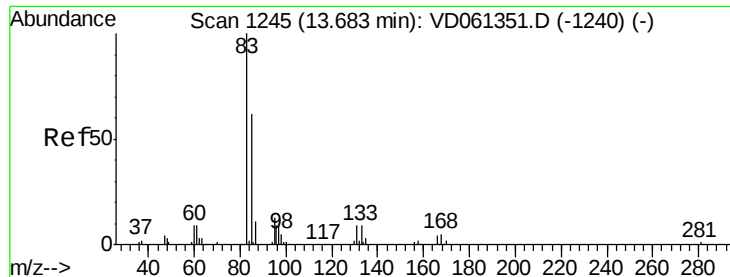
Tot Ion:105 Resp: 637773
Ion Ratio Lower Upper
105 100
120 24.6 12.8 38.3



#74
N-ethyl acetate
Concen: 23.562 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 43 Resp: 183312
Ion Ratio Lower Upper
43 100
70 30.7 26.6 40.0
55 18.7 15.4 23.2
61 25.1 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.760 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

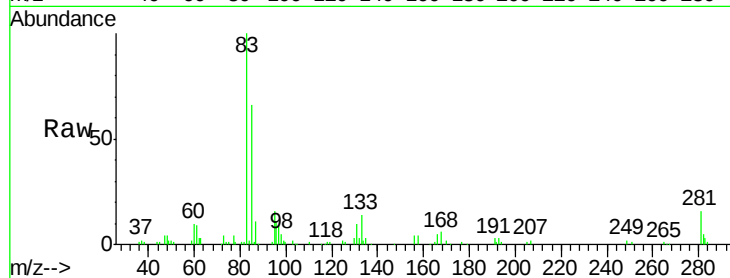
Tot Ion: 83 Resp: 122308

Ion Ratio Lower Upper

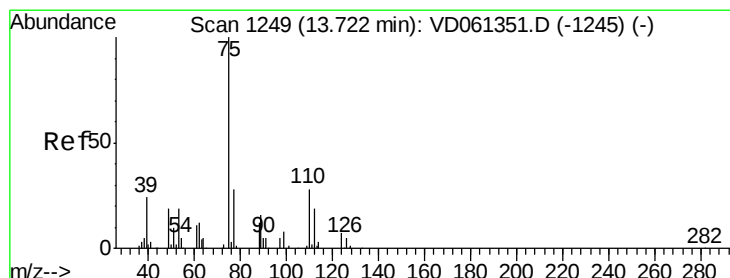
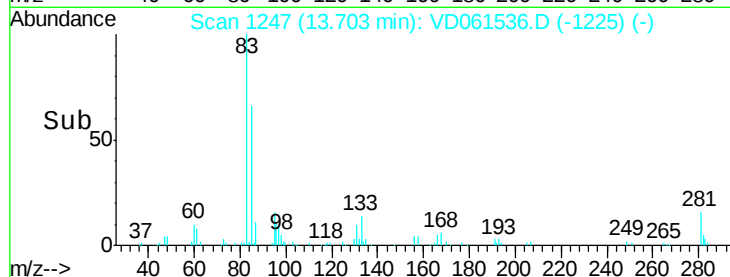
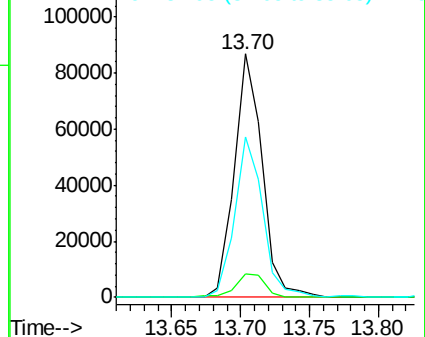
83 100

131 9.8 4.3 13.1

85 65.9 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: 21.454 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD061536.D

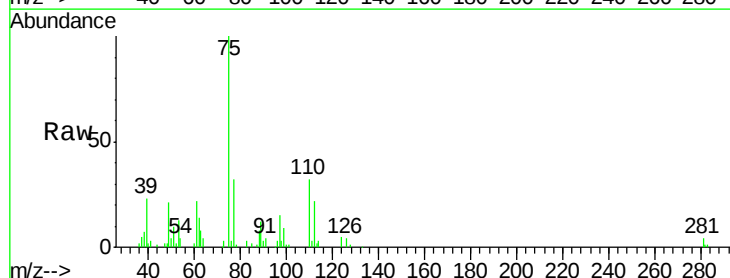
Acq: 3 Apr 2019 4:06

Tgt Ion: 75 Resp: 124356

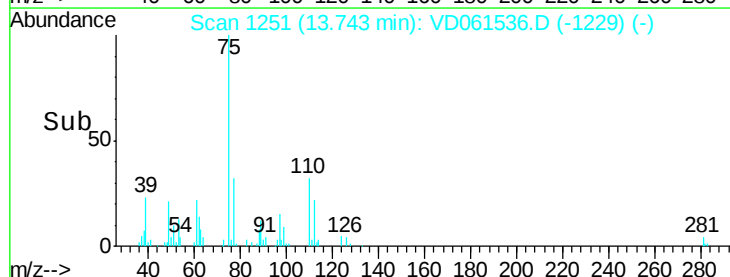
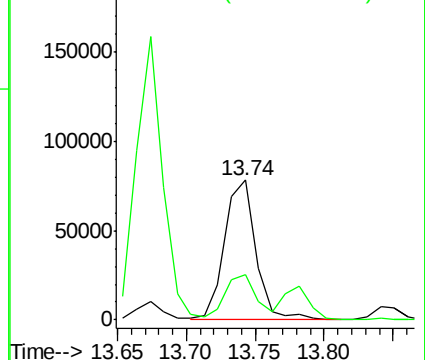
Ion Ratio Lower Upper

75 100

77 32.5 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: 20.321 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

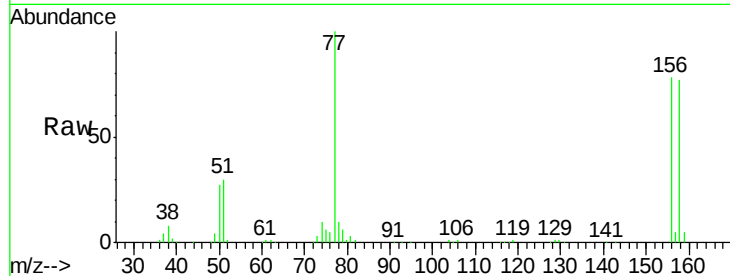
Tot Ion:156 Resp: 168249

Ion Ratio Lower Upper

156 100

77 128.2 68.5 205.6

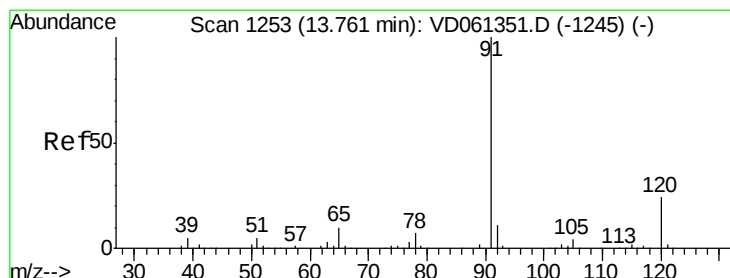
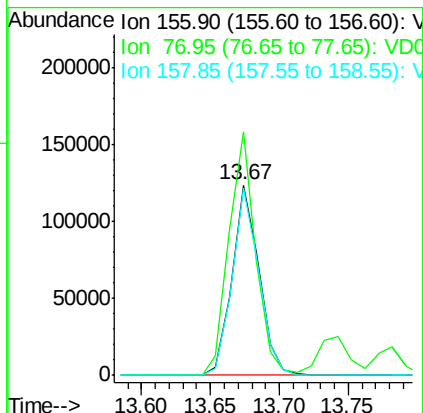
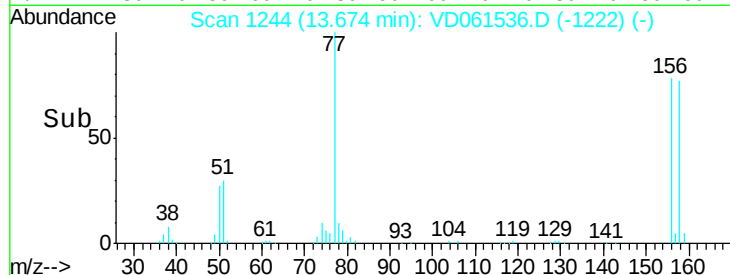
158 98.8 49.1 147.3



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: 21.517 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061536.D

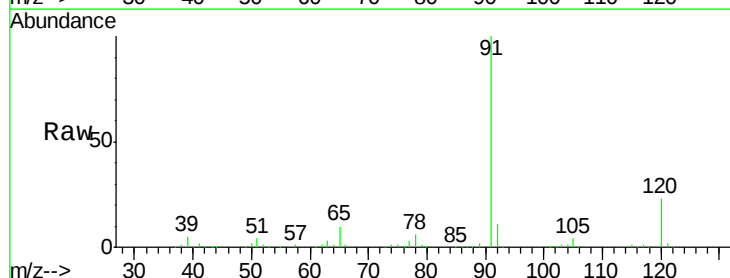
Acq: 3 Apr 2019 4:06

Tgt Ion: 91 Resp: 735395

Ion Ratio Lower Upper

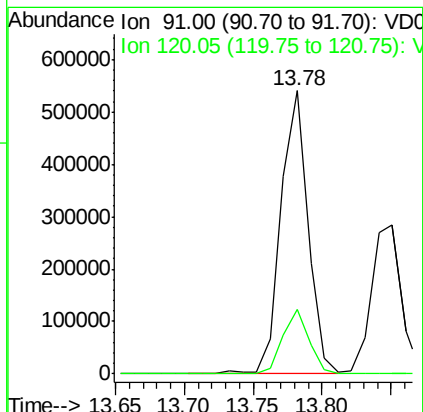
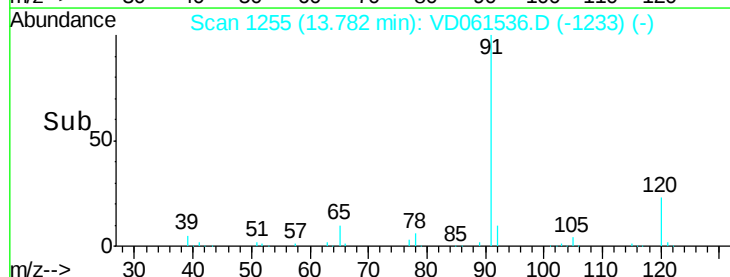
91 100

120 22.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

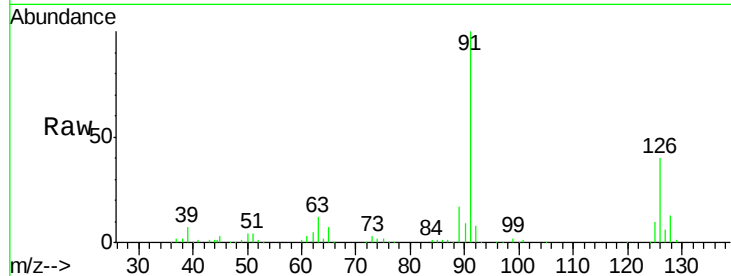




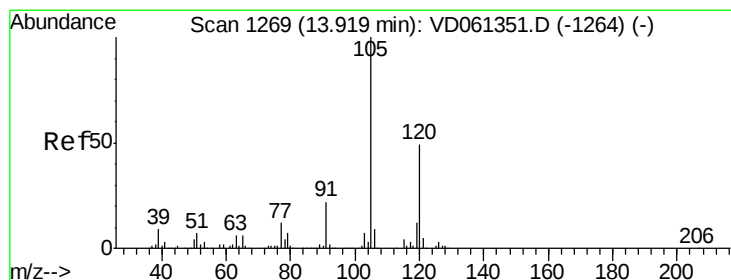
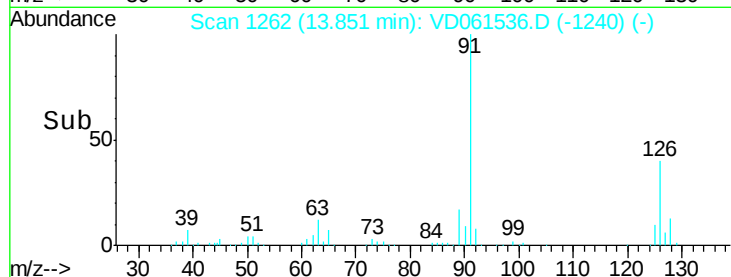
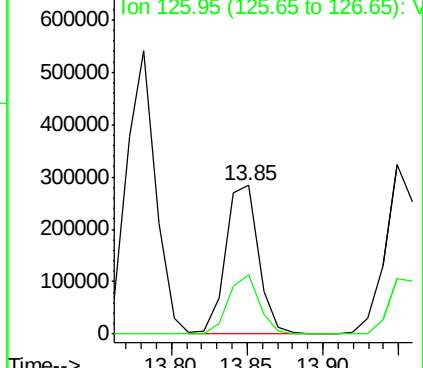
#79
 2-Chlorotoluene
 Concen: 22.888 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion: 91 Resp: 424744
 Ion Ratio Lower Upper
 91 100
 126 40.0 19.4 58.2

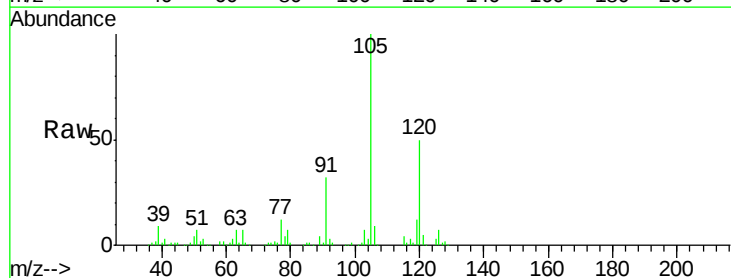


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

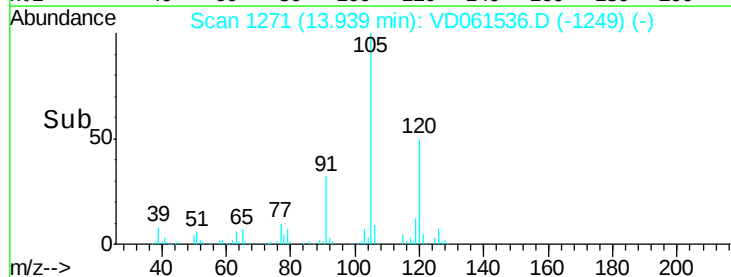
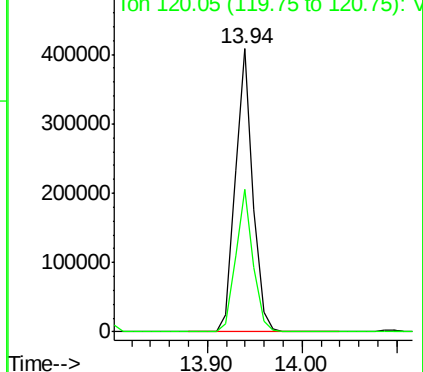


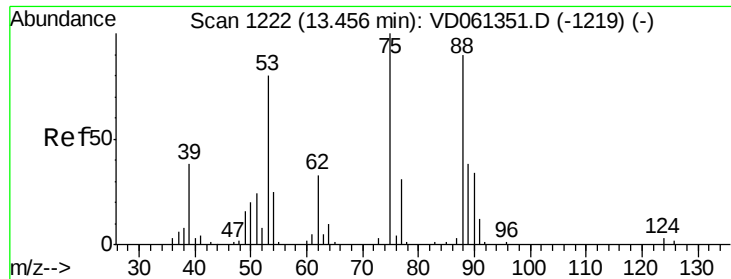
#80
 1,3,5-Trimethylbenzene
 Concen: 23.998 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 105 Resp: 520009
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.400 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

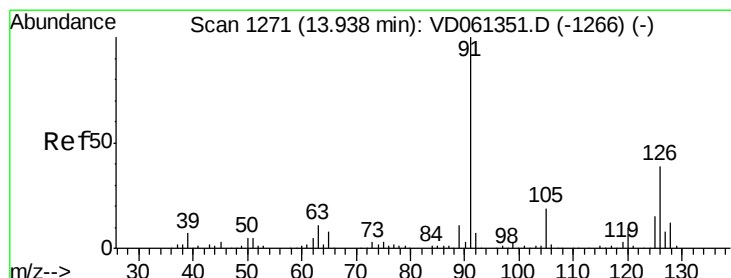
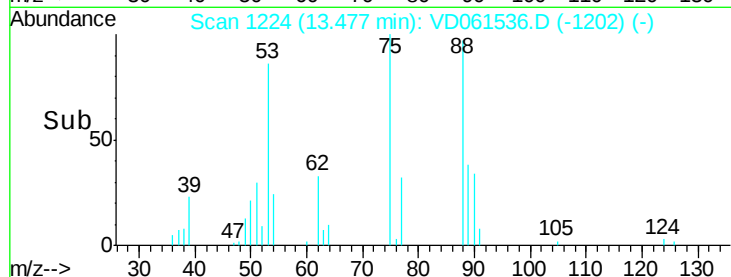
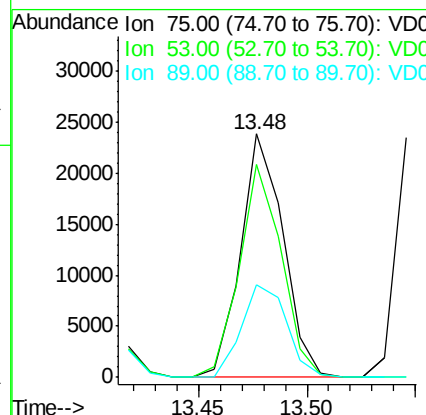
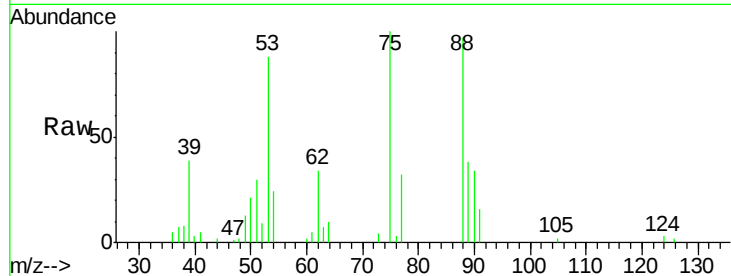
Tot Ion: 75 Resp: 32519

Ion Ratio Lower Upper

75 100

53 87.6 63.8 95.8

89 38.2 30.5 45.7



#82

4-Chlorotoluene

Concen: 23.689 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061536.D

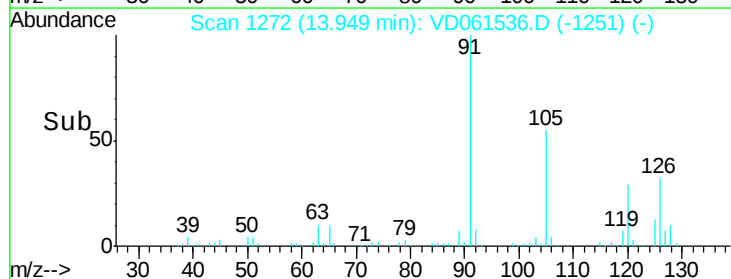
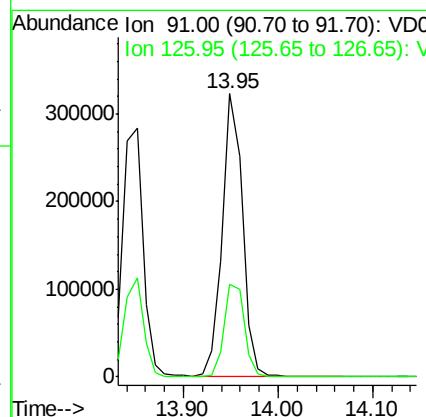
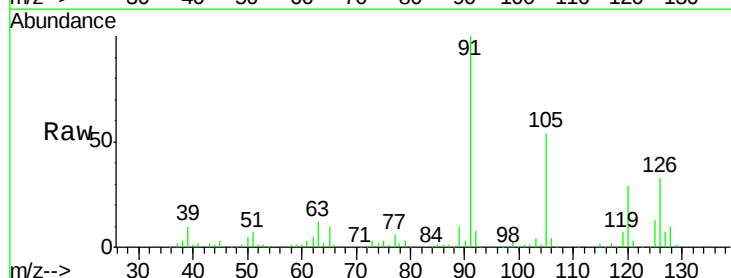
Acq: 3 Apr 2019 4:06

Tgt Ion: 91 Resp: 478001

Ion Ratio Lower Upper

91 100

126 32.8 19.6 58.8

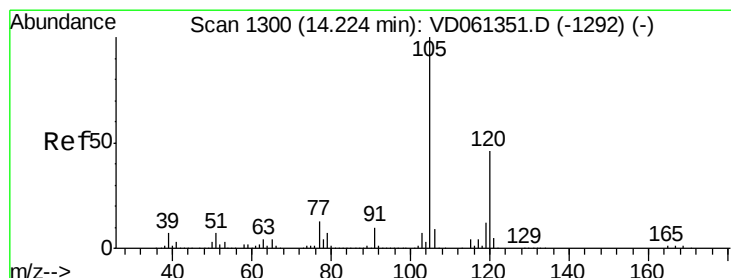
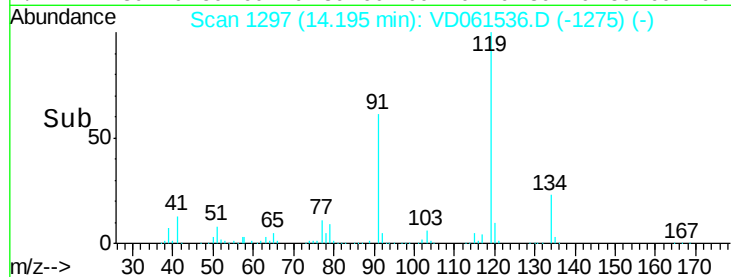
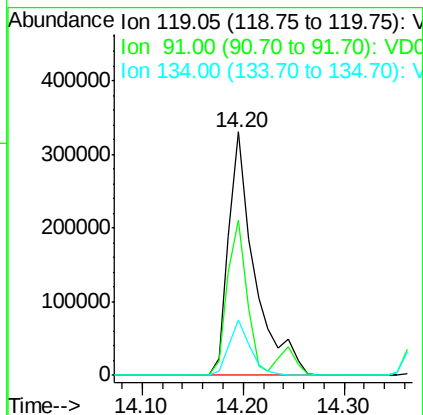
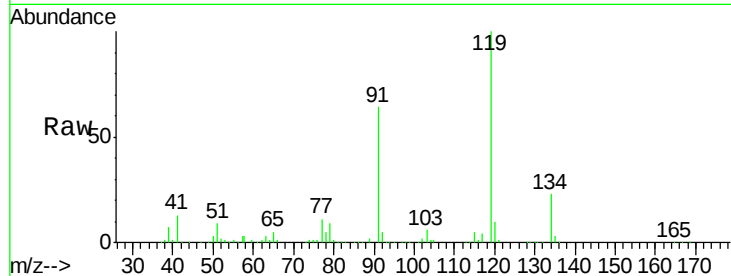




#83
tert-Butylbenzene
Concen: 21.899 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

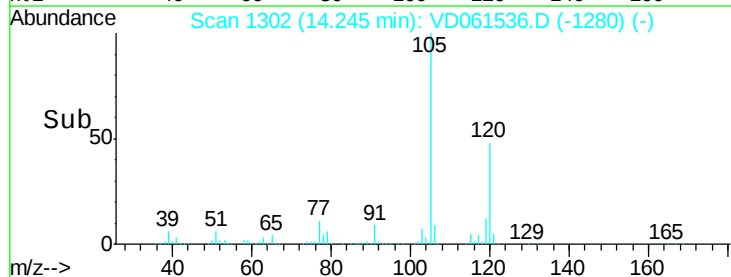
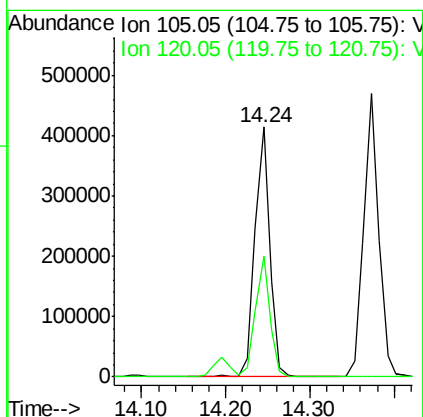
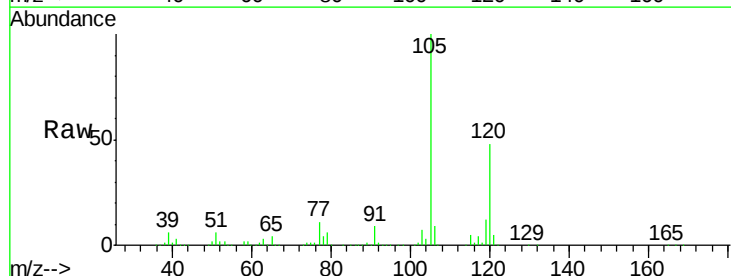
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion:119 Resp: 593050
Ion Ratio Lower Upper
119 100
91 63.8 34.1 102.3
134 22.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 22.229 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion:105 Resp: 521497
Ion Ratio Lower Upper
105 100
120 48.3 22.8 68.4

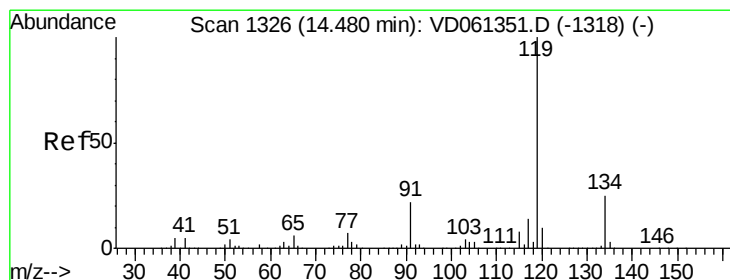
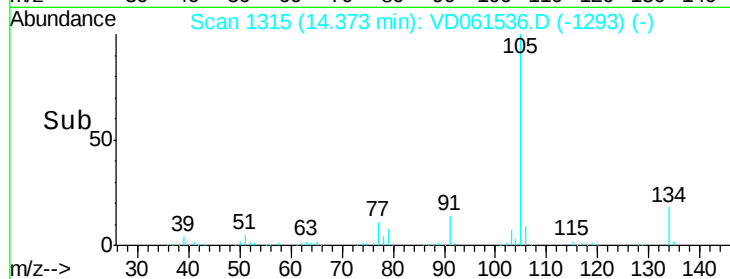
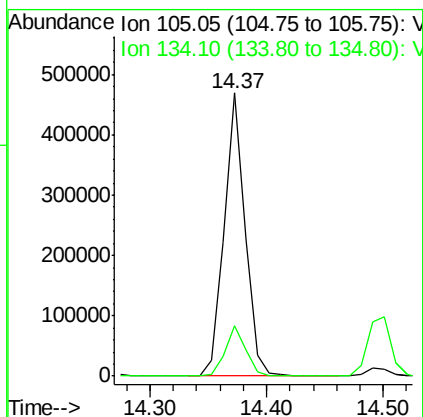
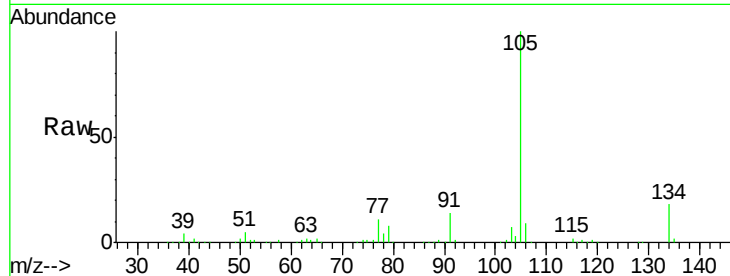




#85
 sec-Butylbenzene
 Concen: 20.299 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

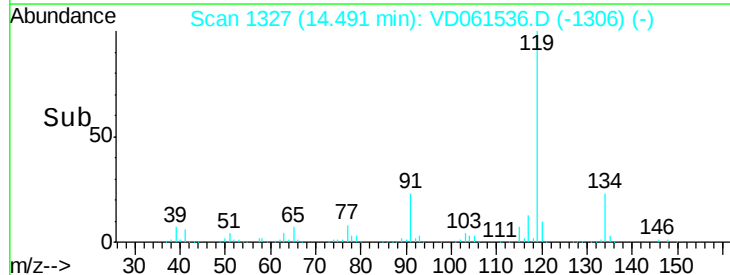
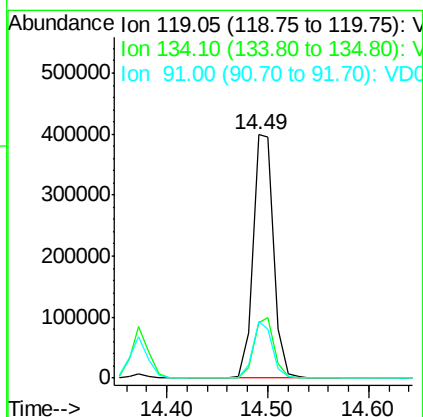
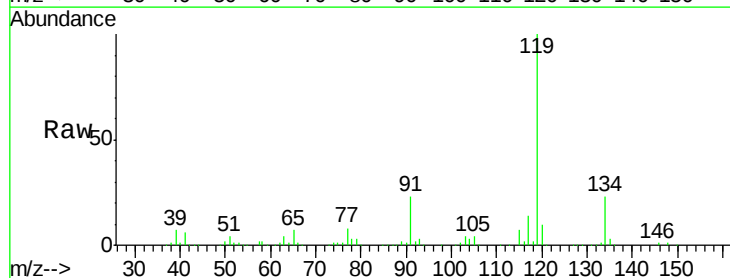
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

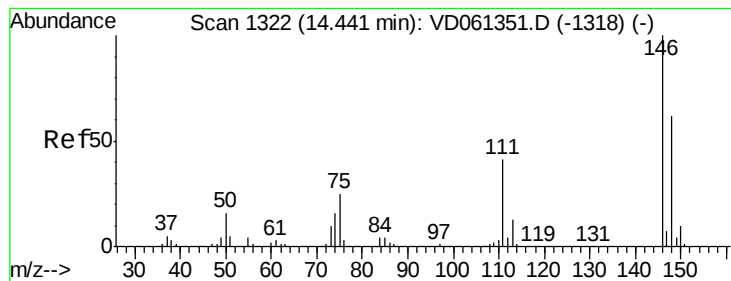
Tot Ion:105 Resp: 583967
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 23.491 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion:119 Resp: 571468
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.3 36.8
 91 23.3 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.159 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.02 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD03

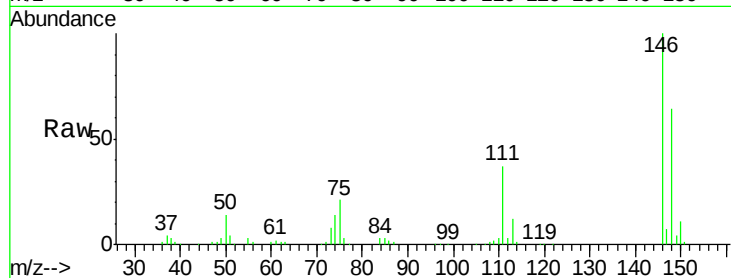
Tot Ion:146 Resp: 296664

Ion Ratio Lower Upper

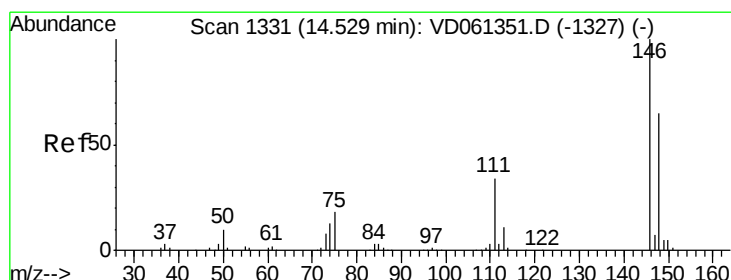
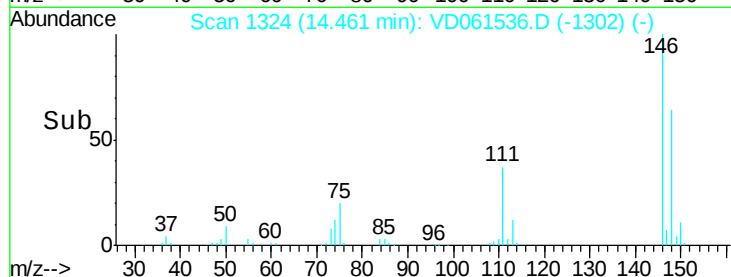
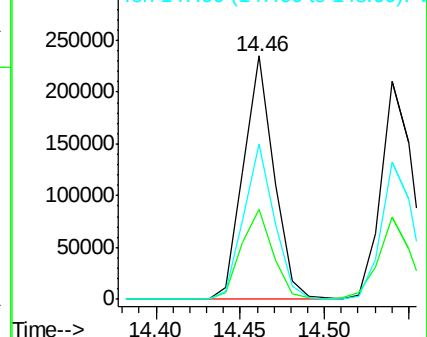
146 100

111 36.8 20.6 61.9

148 63.7 31.1 93.3



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



#88

1,4-Dichlorobenzene

Concen: 20.125 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061536.D

Acq: 3 Apr 2019 4:06

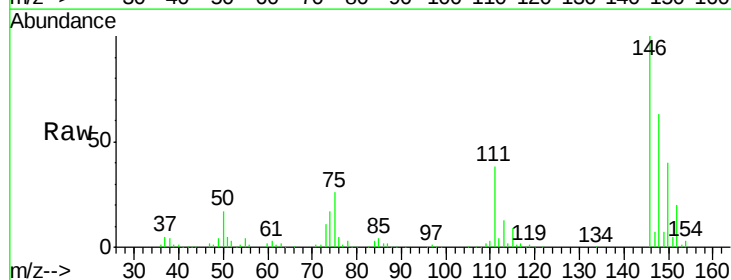
Tgt Ion:146 Resp: 275172

Ion Ratio Lower Upper

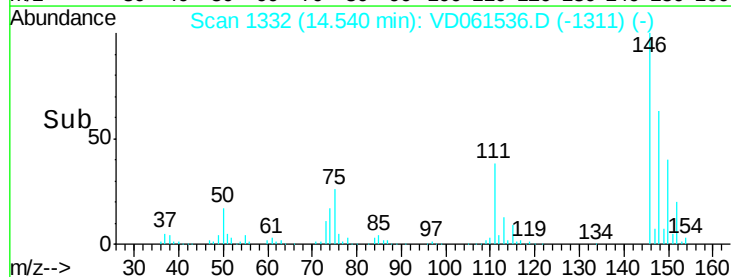
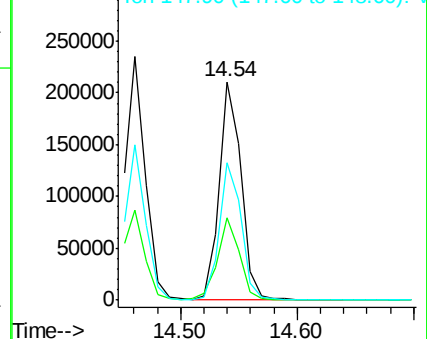
146 100

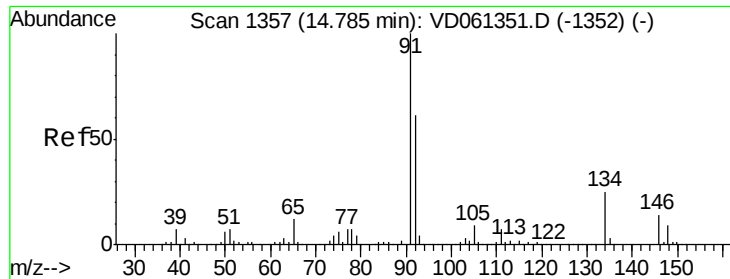
111 37.5 16.8 50.4

148 63.0 32.6 98.0



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

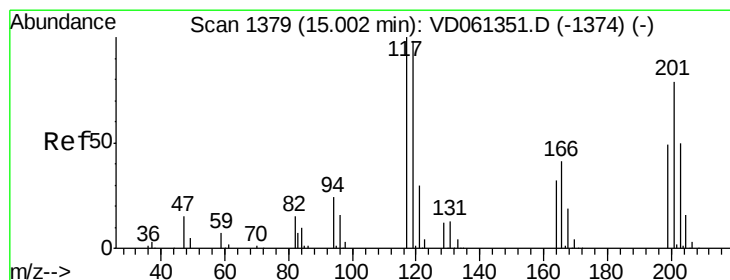
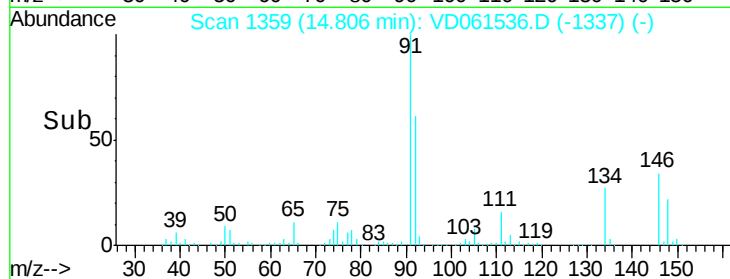
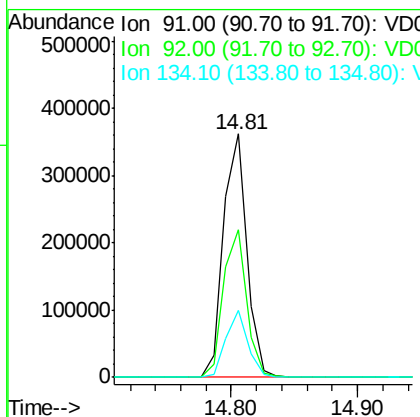
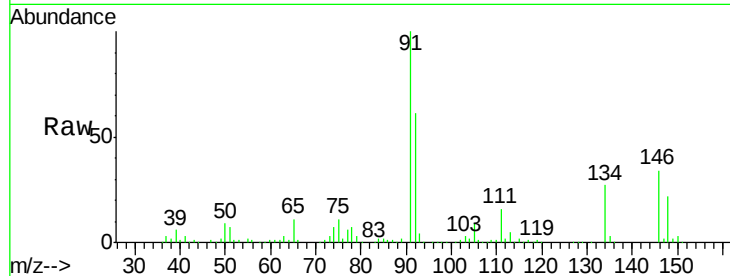




#89
n-Butylbenzene
Concen: 20.834 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

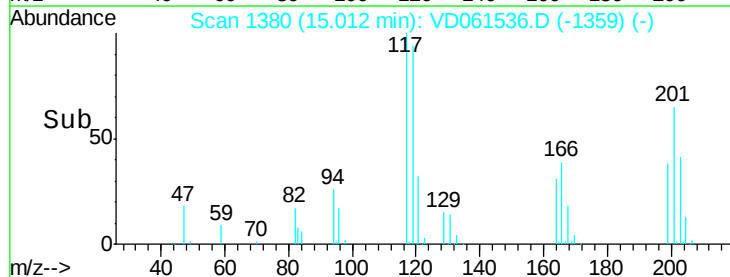
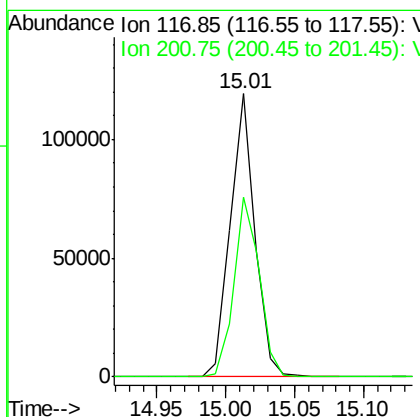
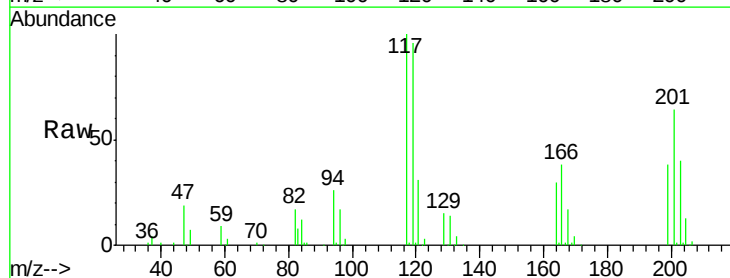
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion: 91 Resp: 465185
Ion Ratio Lower Upper
91 100
92 60.6 30.3 91.0
134 27.4 12.4 37.0



#90
Hexachloroethane
Concen: 21.475 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion: 117 Resp: 147586
Ion Ratio Lower Upper
117 100
201 63.7 39.6 119.0

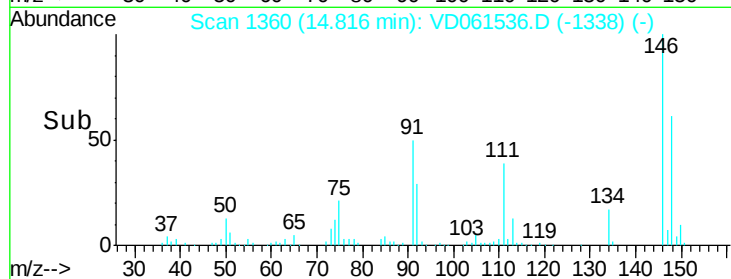
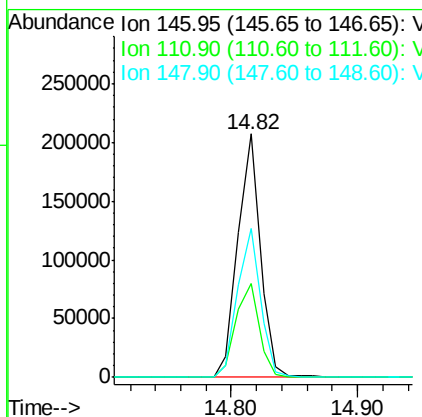
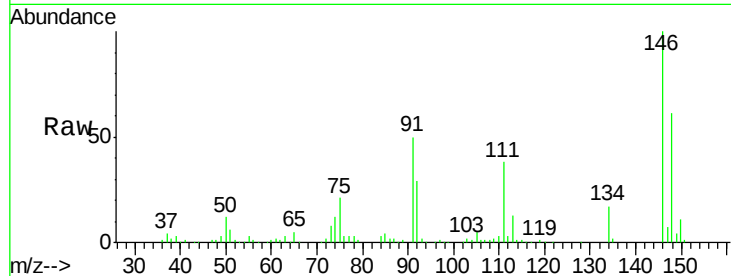




#91
 1,2-Dichlorobenzene
 Concen: 22.277 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

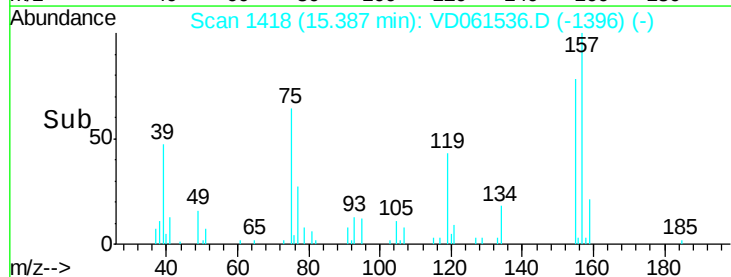
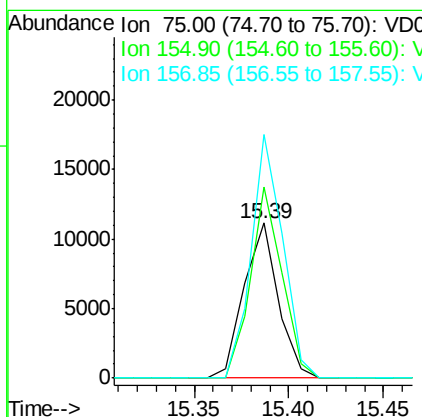
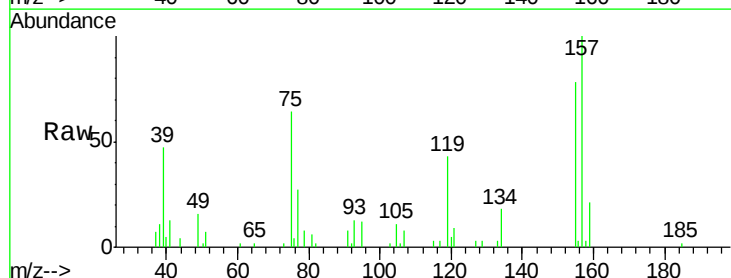
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

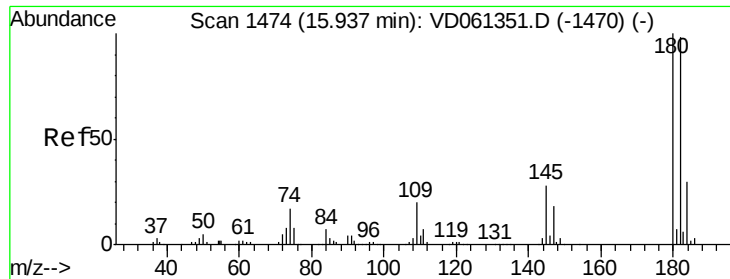
Tot Ion:146 Resp: 256191
 Ion Ratio Lower Upper
 146 100
 111 38.5 21.2 63.6
 148 61.1 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.190 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion: 75 Resp: 13951
 Ion Ratio Lower Upper
 75 100
 155 122.8 43.6 130.9
 157 156.8 58.5 175.3

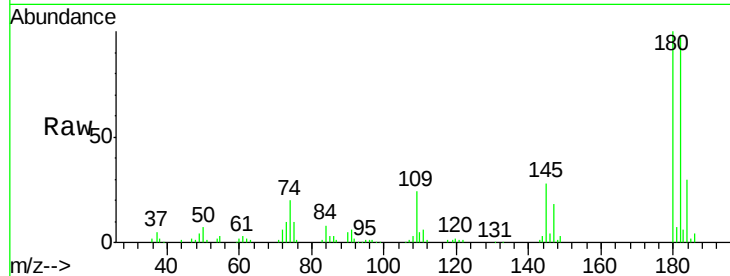




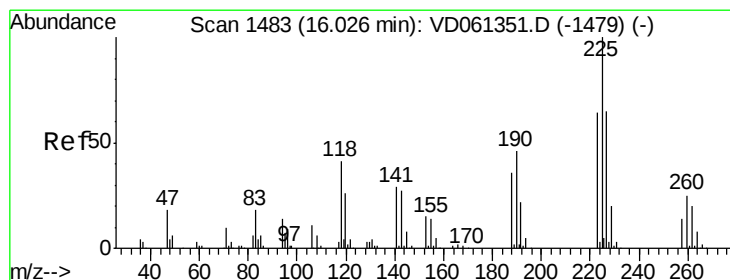
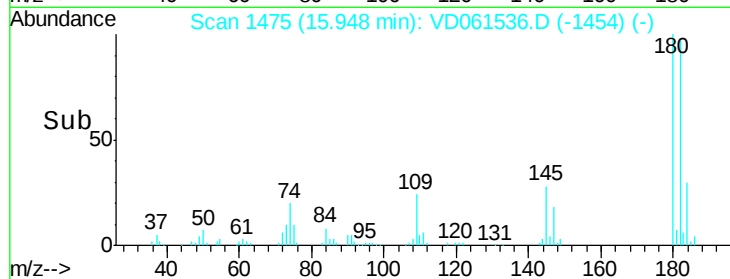
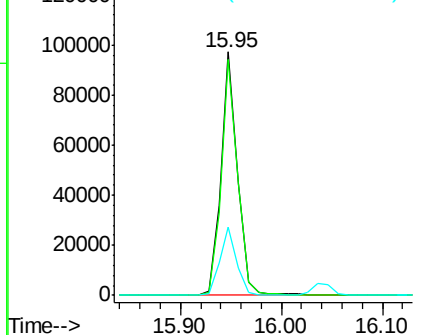
#93
 1,2,4-Trichlorobenzene
 Concen: 21.356 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD03

Tot Ion:180 Resp: 111880
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.9 146.8
 145 28.2 14.1 42.3

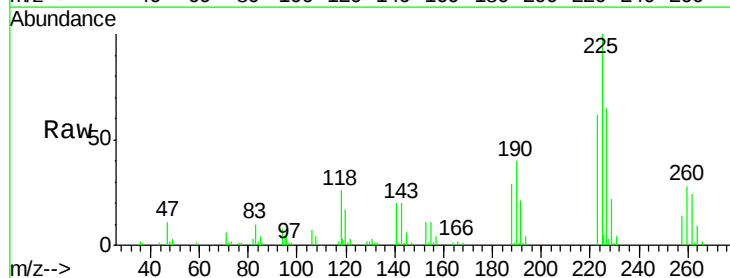


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

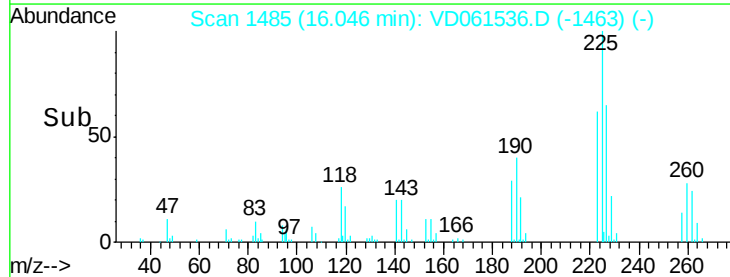
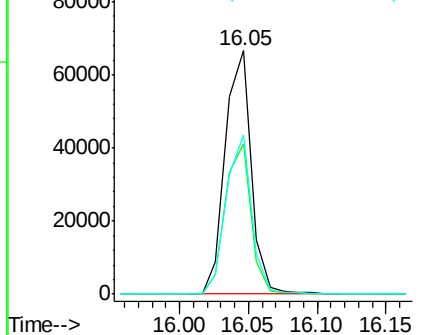


#94
 Hexachlorobutadiene
 Concen: 21.280 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061536.D
 Acq: 3 Apr 2019 4:06

Tgt Ion:225 Resp: 87114
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.0 96.0
 227 65.3 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

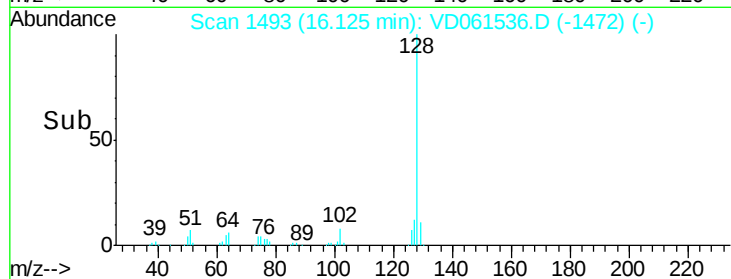
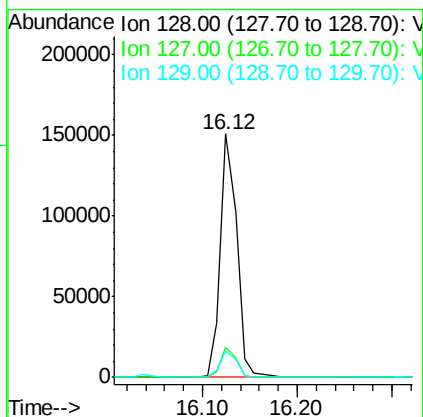
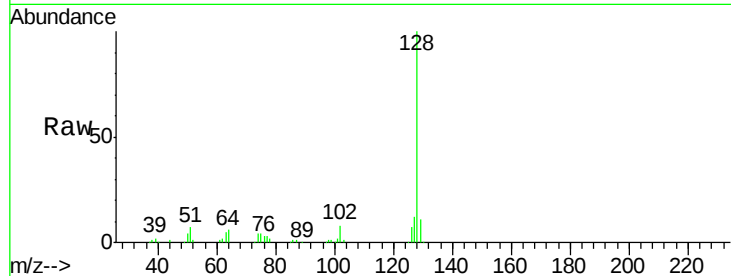




#95
Naphthalene
Concen: 22.718 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD03

Tot Ion:128 Resp: 181412
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.246 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061536.D
Acq: 3 Apr 2019 4:06

Tgt Ion:180 Resp: 51285
Ion Ratio Lower Upper
180 100
182 94.0 46.4 139.1
145 30.0 15.3 45.9

