

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061519.D
 Acq On : 2 Apr 2019 17:30
 Operator : VA/AP
 Sample : VD0402SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Quant Time: Apr 03 01:53:21 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	7.05	168	708740	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1181763	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	961119	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	461651	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	291290	48.11	ug/l	0.03
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	6.93	113	412994	45.73	ug/l	0.03
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	10.41	98	994554	45.92	ug/l	0.03
Spiked Amount			Recovery	=	91.84%	
62) 4-Bromofluorobenzene	13.55	95	404519	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	152710	20.176	ug/l	97
3) Chloromethane	1.77	50	126522	20.496	ug/l	99
4) Vinyl Chloride	1.87	62	124549	21.975	ug/l	94
5) Bromomethane	2.16	94	20707	18.424	ug/l #	96
6) Chloroethane	2.27	64	28323	17.040	ug/l	99
7) Trichlorofluoromethane	2.54	101	176191	21.378	ug/l	97
8) Diethyl Ether	2.88	74	55288	20.835	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	186374	21.034	ug/l	95
10) Methyl Iodide	3.31	142	241705	20.166	ug/l	97
11) Tert butyl alcohol	4.07	59	41883	111.082	ug/l	98
12) 1,1-Dichloroethene	3.14	96	156004	20.507	ug/l	95
13) Acrolein	3.05	56	27515	80.217	ug/l	90
14) Allyl chloride	3.63	41	223811	21.093	ug/l	97
15) Acrylonitrile	4.20	53	146147	111.678	ug/l	96
16) Acetone	3.23	43	152580	98.036	ug/l	96
17) Carbon Disulfide	3.38	76	486557	19.685	ug/l	100
18) Methyl Acetate	3.65	43	72380	22.119	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	289000	21.947	ug/l	98
20) Methylene Chloride	3.82	84	202475	22.154	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	176202	21.453	ug/l	98
22) Diisopropyl ether	5.12	45	484469	21.577	ug/l	97
23) Vinyl Acetate	5.06	43	1374507	112.696	ug/l	100
24) 1,1-Dichloroethane	5.00	63	275402	20.871	ug/l	99
25) 2-Butanone	6.07	43	198949	101.620	ug/l	99
26) 2,2-Dichloropropane	6.03	77	227119	21.651	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	192080	21.345	ug/l	97
28) Bromochloromethane	6.44	49	102518	19.246	ug/l #	95
29) Tetrahydrofuran	6.46	42	100057	105.443	ug/l	98
30) Chloroform	6.67	83	294963	21.633	ug/l	100
31) Cyclohexane	6.97	56	222713	21.358	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	269528	22.407	ug/l	97
36) 1,1-Dichloropropene	7.15	75	228397	22.144	ug/l	99
37) Ethyl Acetate	6.19	43	97943	22.204	ug/l	99
38) Carbon Tetrachloride	7.11	117	254515	21.475	ug/l	95

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Instrument :
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 ClientSampleID :
 VD0402SBS02

Quant Time: Apr 03 01:53:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231391	21.541	ug/l	97
40) Benzene	7.46	78	613395	23.696	ug/l	98
41) Methacrylonitrile	6.44	41	109341	21.200	ug/l	97
42) 1,2-Dichloroethane	7.58	62	179131	23.134	ug/l	99
43) Isopropyl Acetate	9.24	43	142211	22.158	ug/l	96
44) Trichloroethene	8.54	130	218573	22.689	ug/l	98
45) 1,2-Dichloropropane	8.94	63	148058	22.557	ug/l	96
46) Dibromomethane	9.06	93	98794	22.362	ug/l	95
47) Bromodichloromethane	9.38	83	223197	22.509	ug/l	99
48) Methyl methacrylate	9.12	41	80875	22.833	ug/l	94
49) 1,4-Dioxane	9.08	88	18704	478.748	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	466812	119.551	ug/l	97
52) Toluene	10.51	92	384130	24.324	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	199455	22.139	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	248039	22.611	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	118748	21.501	ug/l	99
56) Ethyl methacrylate	11.04	69	133381	22.481	ug/l	98
57) 1,3-Dichloropropane	11.41	76	195172	24.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	369004	127.711	ug/l	99
59) 2-Hexanone	11.53	43	353048	124.793	ug/l	99
60) Dibromochloromethane	11.68	129	181312	21.295	ug/l	95
61) 1,2-Dibromoethane	11.80	107	143031	22.365	ug/l	95
64) Tetrachloroethene	11.26	164	167832	22.250	ug/l	97
65) Chlorobenzene	12.40	112	426541	21.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	181315	23.841	ug/l	98
67) Ethyl Benzene	12.52	91	746929	24.913	ug/l	95
68) m/p-Xylenes	12.67	106	505733	44.531	ug/l	97
69) o-Xylene	13.05	106	247375	22.446	ug/l	98
70) Styrene	13.07	104	428366	22.297	ug/l	96
71) Bromoform	13.24	173	95874	19.887	ug/l	98
73) Isopropylbenzene	13.40	105	699712	21.777	ug/l	99
74) N-amyl acetate	13.27	43	184298	20.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	140146	20.677	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139549	20.926	ug/l	99
77) Bromobenzene	13.67	156	176367	18.516	ug/l	87
78) n-propylbenzene	13.78	91	809452	20.586	ug/l	100
79) 2-Chlorotoluene	13.84	91	437040	20.470	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	553950	22.221	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	43156	21.225	ug/l #	91
82) 4-Chlorotoluene	13.95	91	525222	22.625	ug/l	93
83) tert-Butylbenzene	14.19	119	605047	19.420	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	553773	20.518	ug/l	98
85) sec-Butylbenzene	14.37	105	629580	19.022	ug/l	100
86) p-Isopropyltoluene	14.49	119	582665	20.819	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	354082	21.952	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	338770	21.536	ug/l	97
89) n-Butylbenzene	14.80	91	551684	21.477	ug/l	98
90) Hexachloroethane	15.01	117	156872	19.841	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	282944	21.385	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17112	21.526	ug/l	61

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Instrument :
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ClientSampleId :
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Quant Time: Apr 03 01:53:21 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

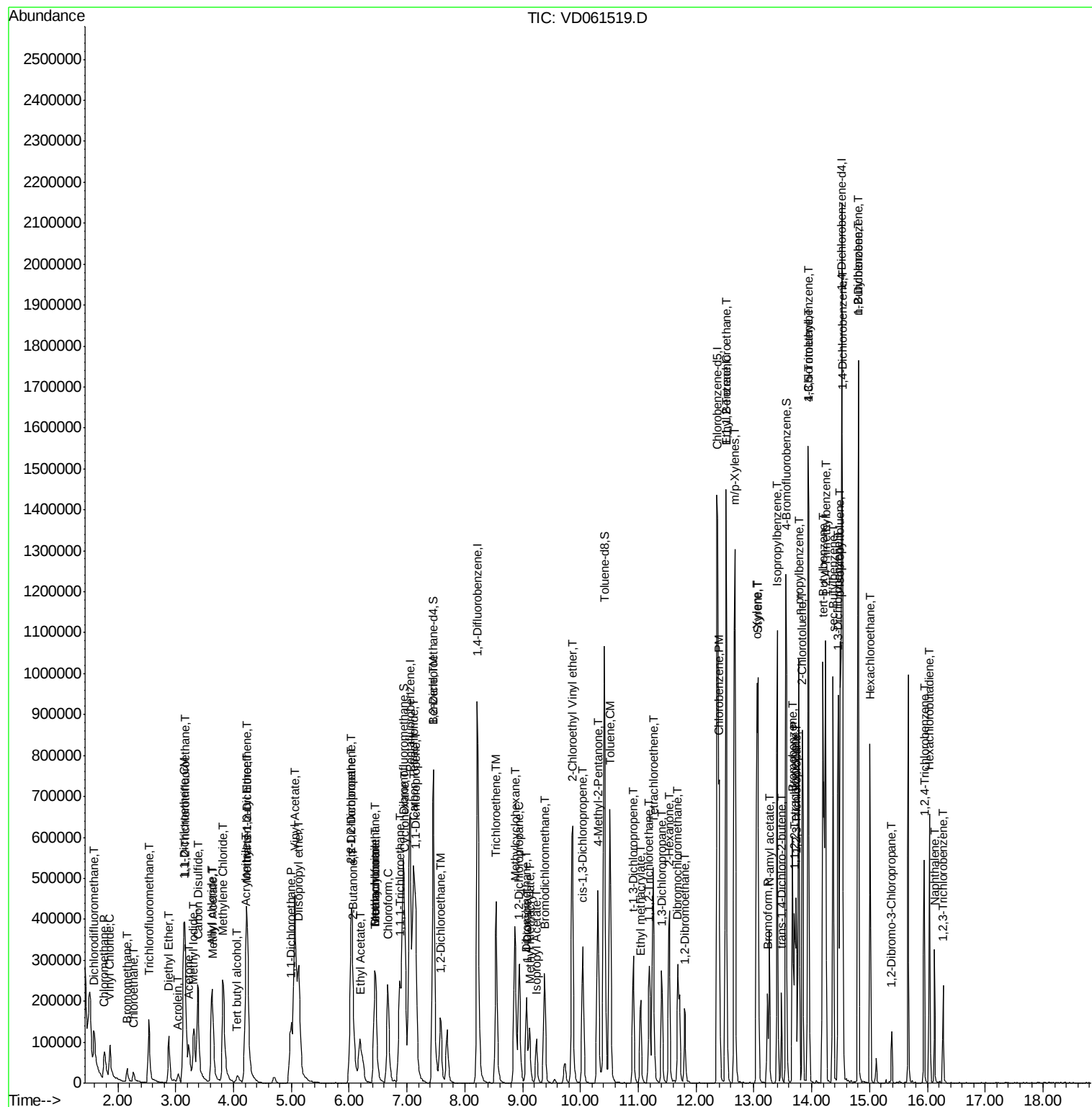
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	137520	22.817	ug/l	96
94) Hexachlorobutadiene	16.03	225	106655	22.646	ug/l	97
95) Naphthalene	16.12	128	195339	21.263	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	57903	21.832	ug/l	99

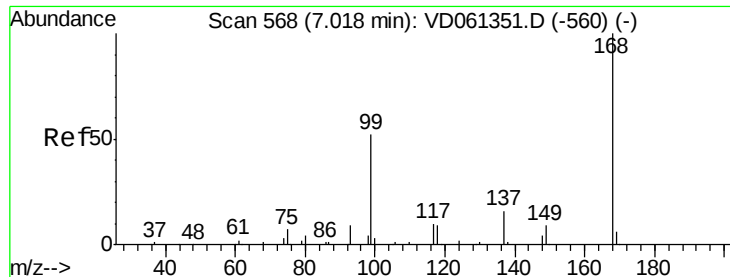
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

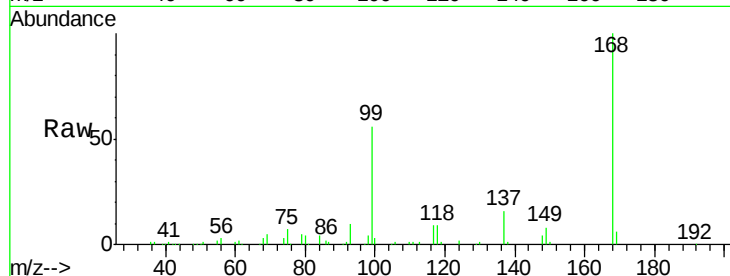
VD0402SBSD02

Tot Ion:168 Resp: 708740

Ion Ratio Lower Upper

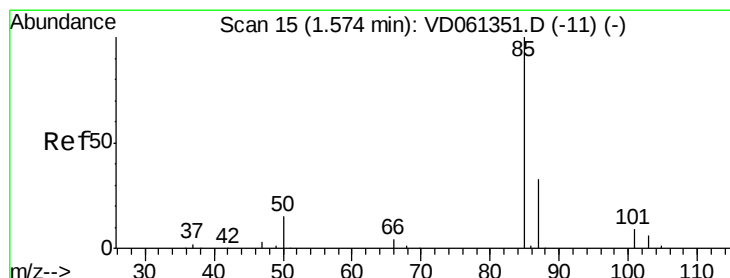
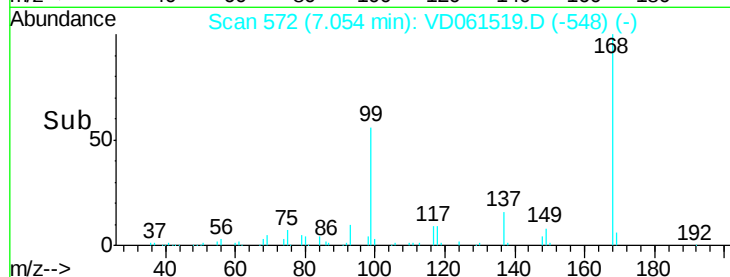
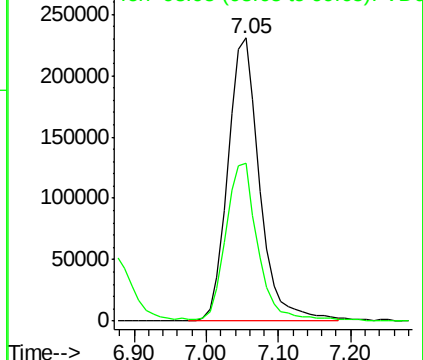
168 100

99 56.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.176 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061519.D

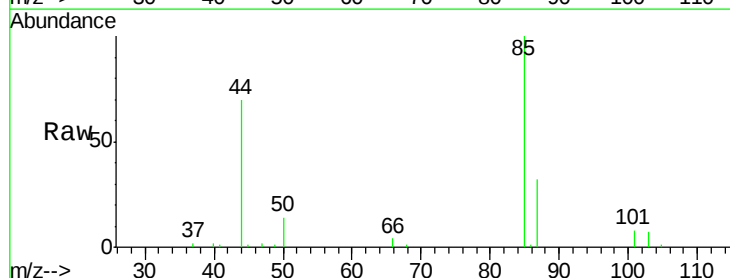
Acq: 2 Apr 2019 17:30

Tgt Ion: 85 Resp: 152710

Ion Ratio Lower Upper

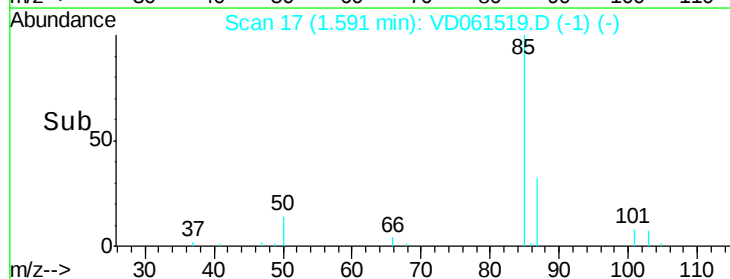
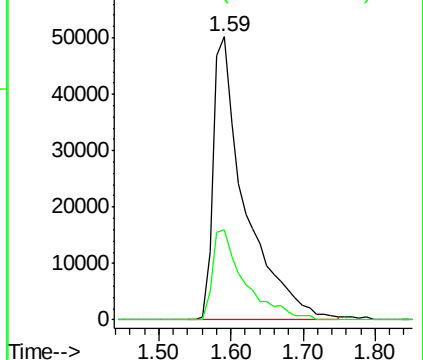
85 100

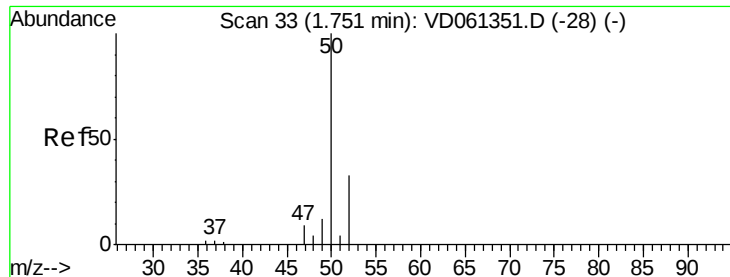
87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.496 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

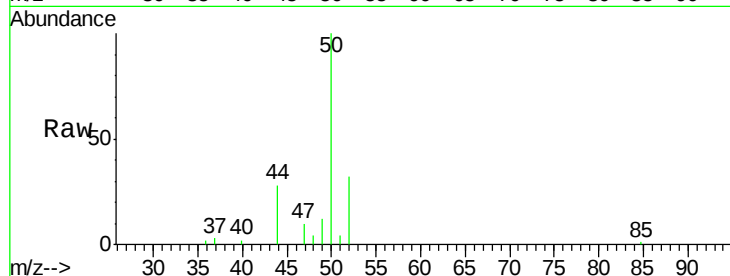
VD0402SBS02

Tot Ion: 50 Resp: 126522

Ion Ratio Lower Upper

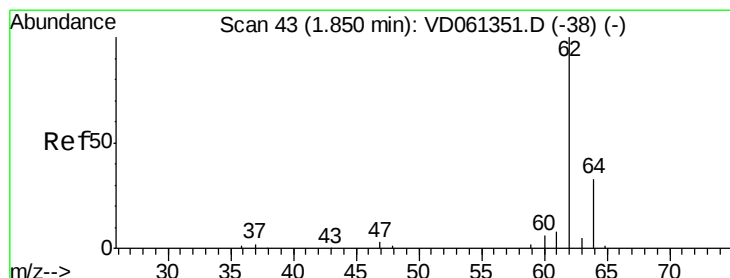
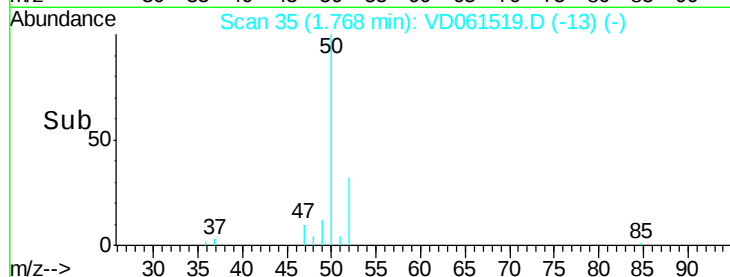
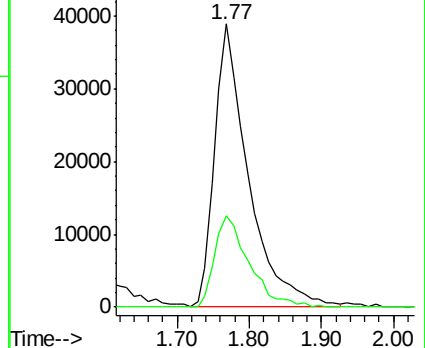
50 100

52 32.2 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: 21.975 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061519.D

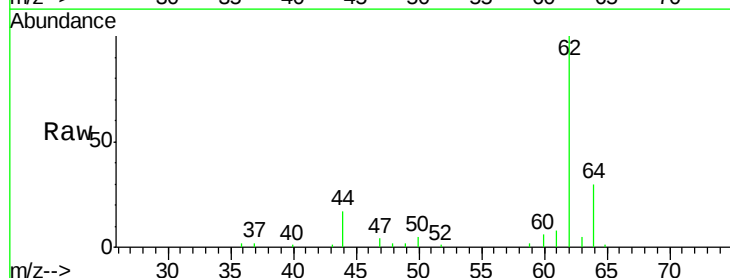
Acq: 2 Apr 2019 17:30

Tgt Ion: 62 Resp: 124549

Ion Ratio Lower Upper

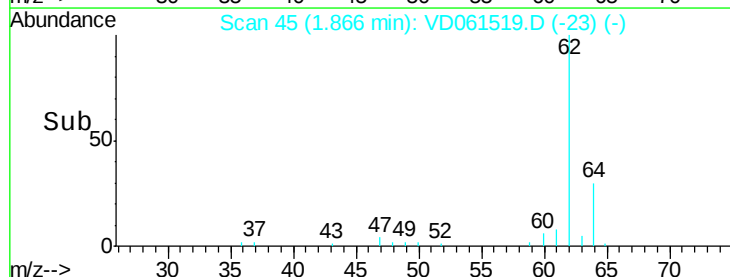
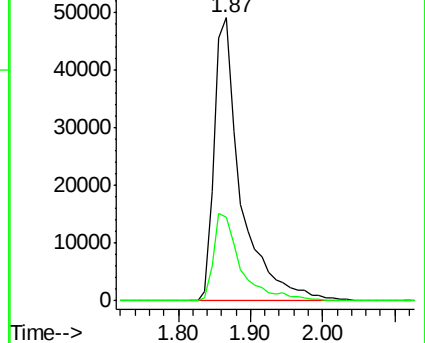
62 100

64 29.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

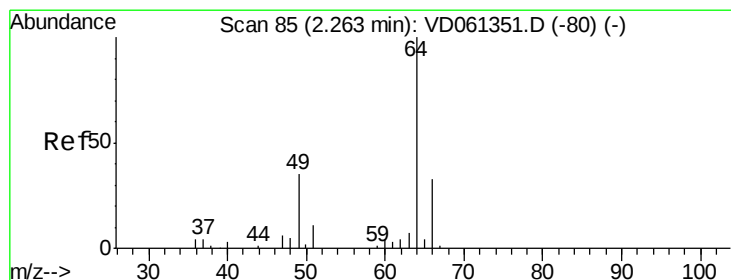
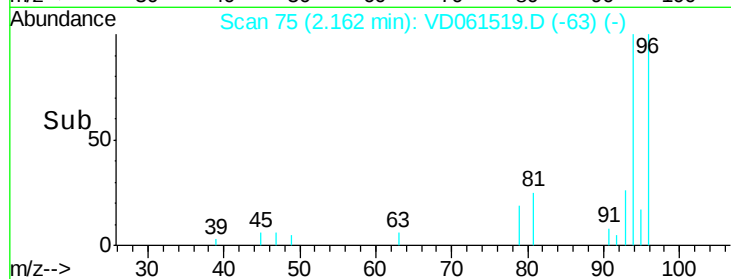
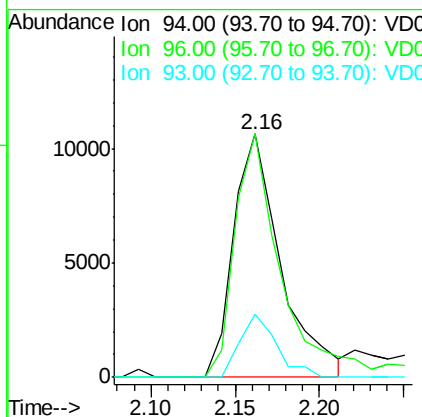
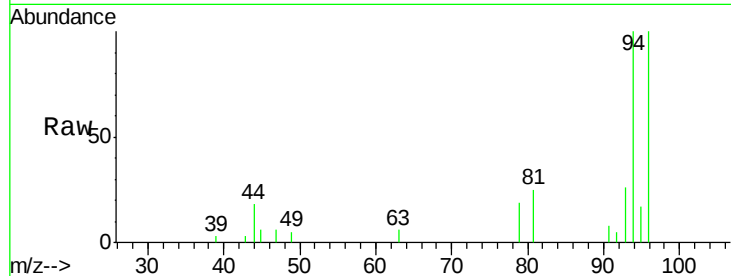




#5
Bromomethane
Concen: 18.424 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

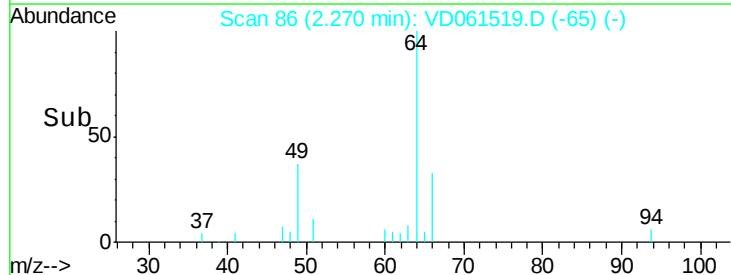
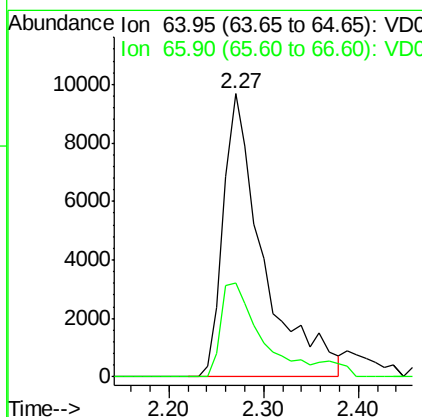
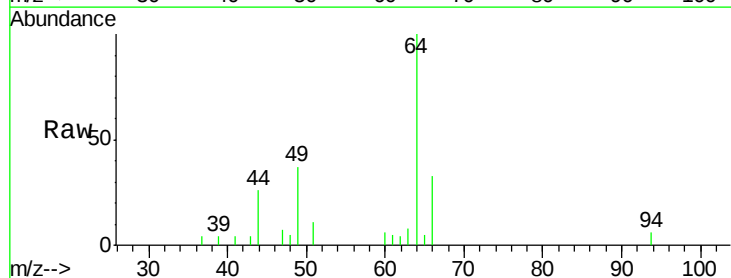
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

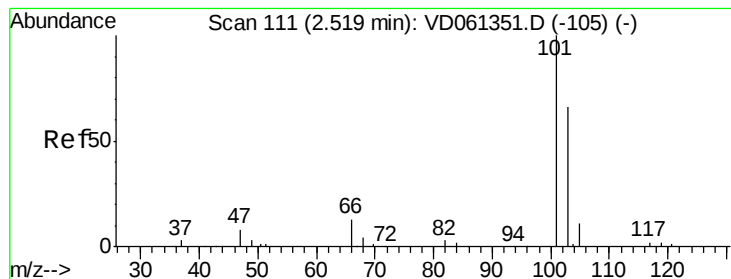
Tot Ion: 94 Resp: 20707
Ion Ratio Lower Upper
94 100
96 99.8 78.3 117.5
93 26.1 15.6 23.4#



#6
Chloroethane
Concen: 17.040 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 64 Resp: 28323
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.2



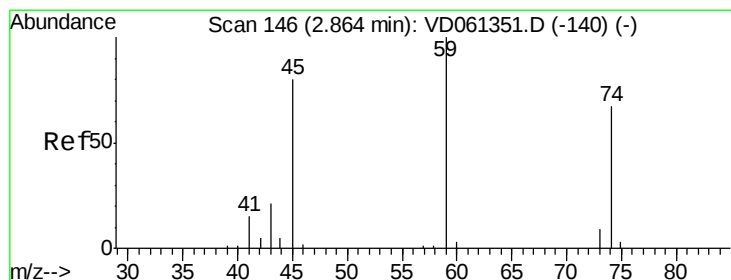
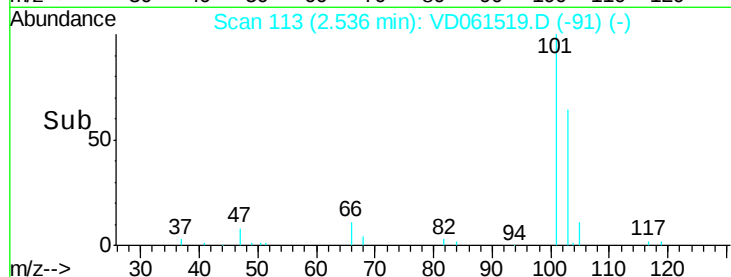
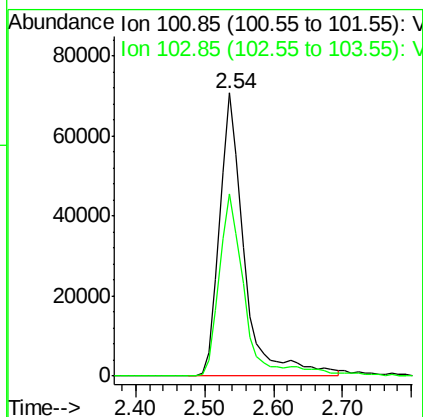
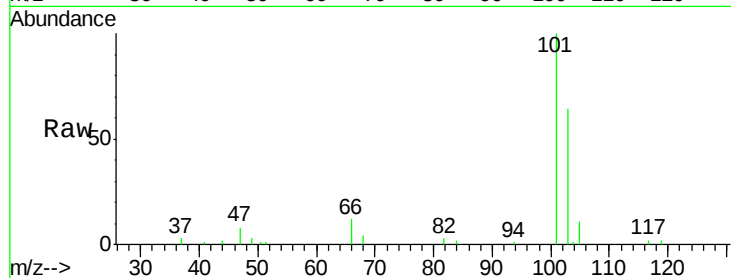


#7

Trichlorofluoromethane
Concen: 21.378 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

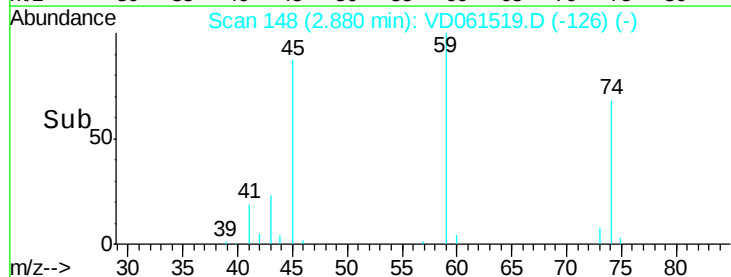
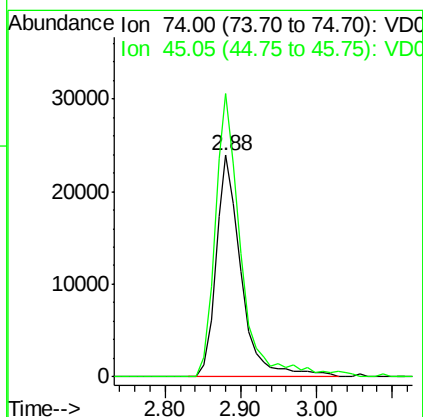
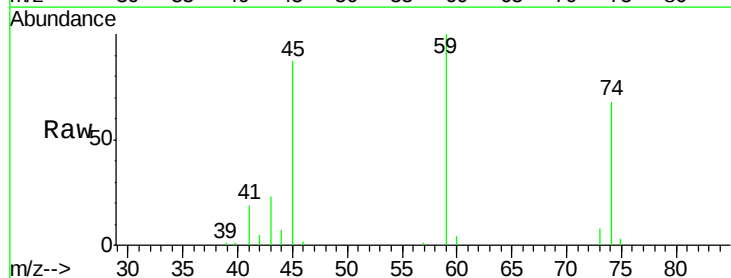
Tot Ion:101 Resp: 176191
Ion Ratio Lower Upper
101 100
103 64.4 53.1 79.7



#8

Diethyl Ether
Concen: 20.835 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 74 Resp: 55288
Ion Ratio Lower Upper
74 100
45 127.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.034 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

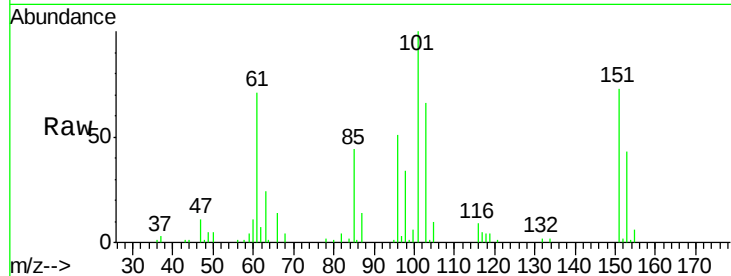
Tot Ion:101 Resp: 186374

Ion Ratio Lower Upper

101 100

85 43.8 29.4 44.0

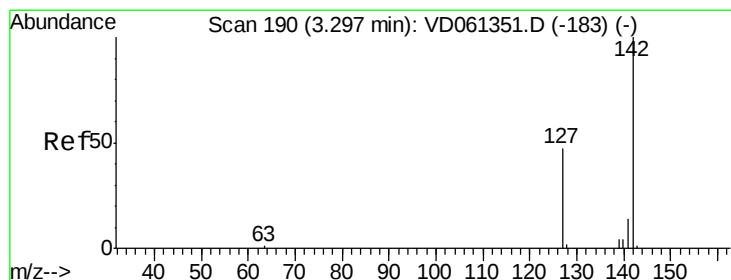
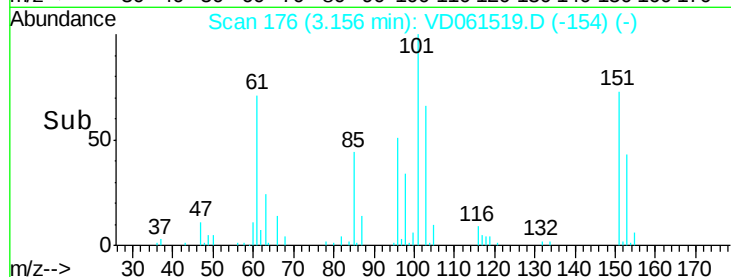
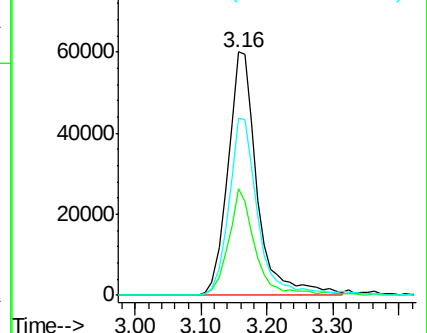
151 72.6 57.0 85.4



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: 20.166 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

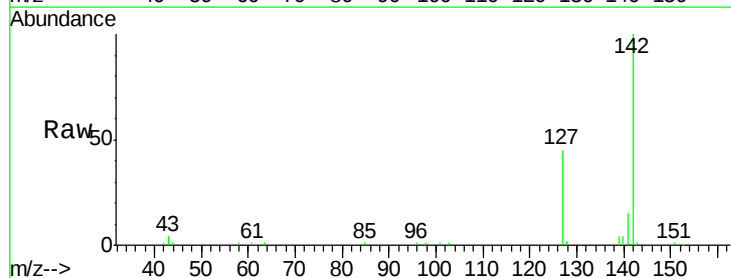
Tgt Ion:142 Resp: 241705

Ion Ratio Lower Upper

142 100

127 45.2 37.7 56.5

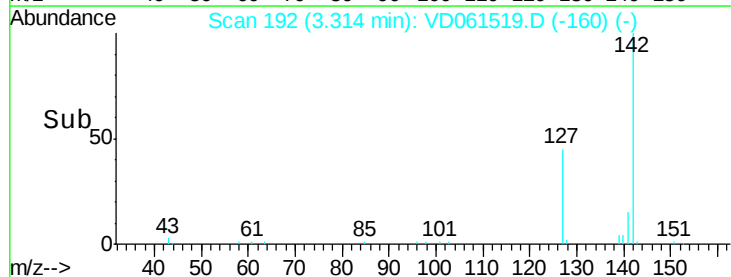
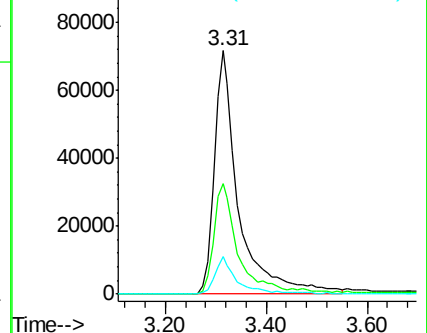
141 15.3 11.5 17.3

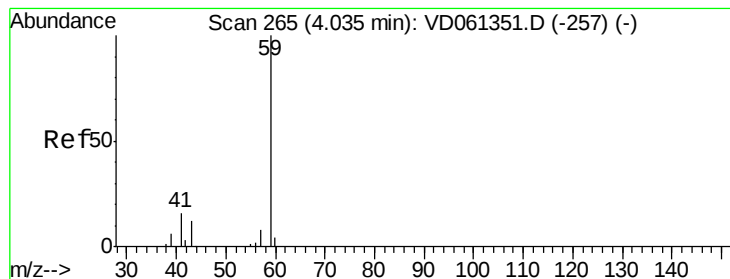


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



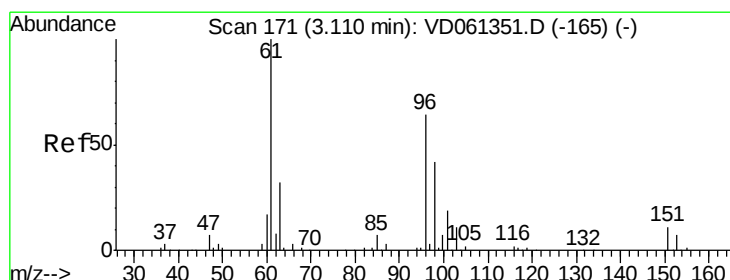
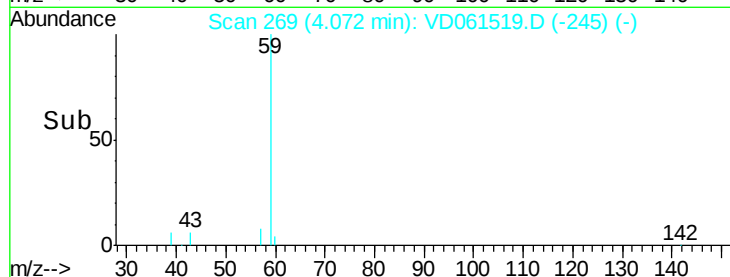
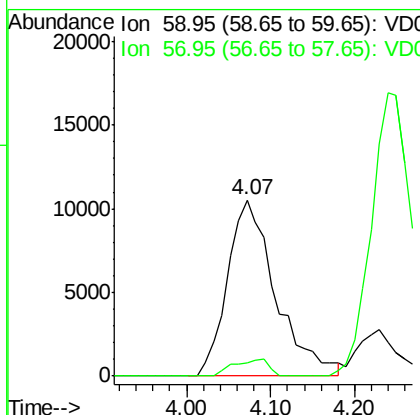
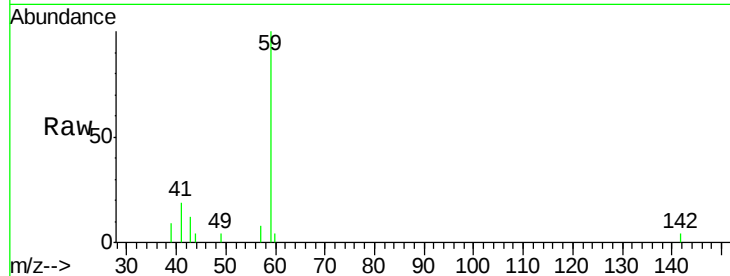


#11

Tert butyl alcohol
 Concen: 111.082 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.04 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

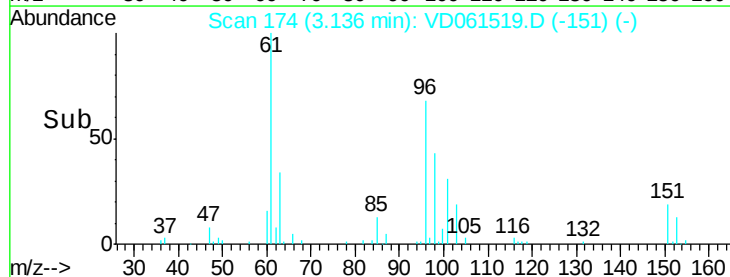
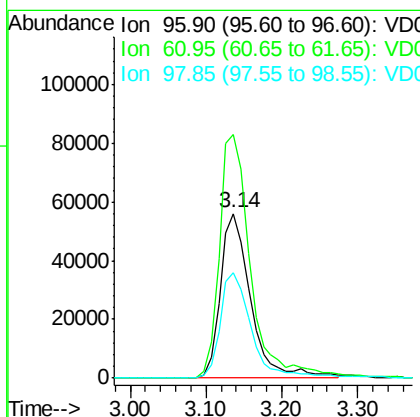
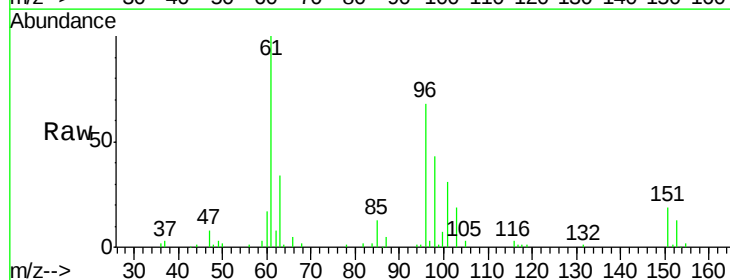
Tot Ion: 59 Resp: 41883
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.7 10.1

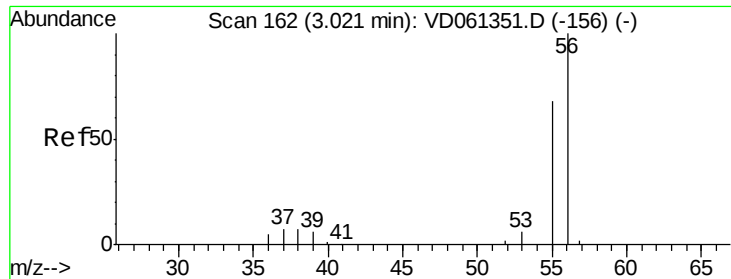


#12

1,1-Dichloroethene
 Concen: 20.507 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.03 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion: 96 Resp: 156004
 Ion Ratio Lower Upper
 96 100
 61 148.1 124.9 187.3
 98 64.2 52.5 78.7





#13

Acrolein

Concen: 80.217 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

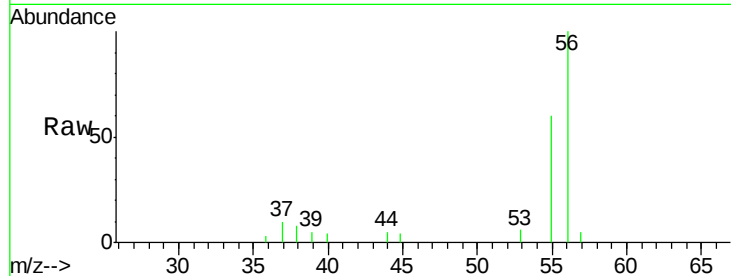
VD0402SBS02

Tot Ion: 56 Resp: 27515

Ion Ratio Lower Upper

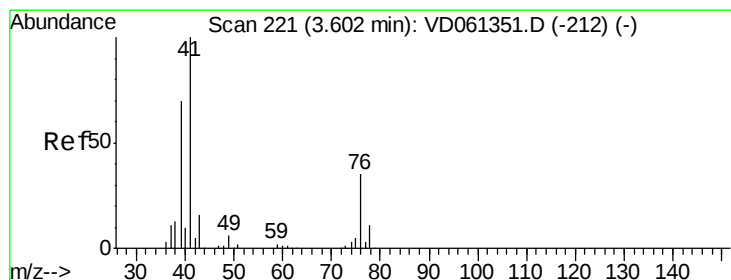
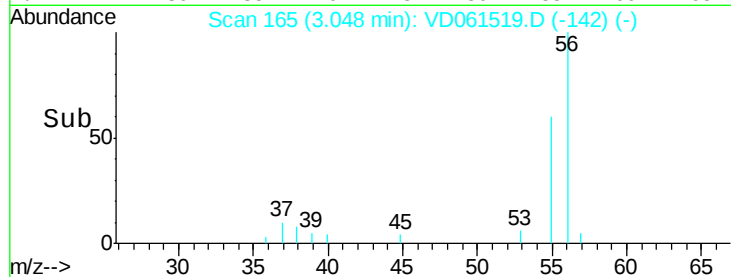
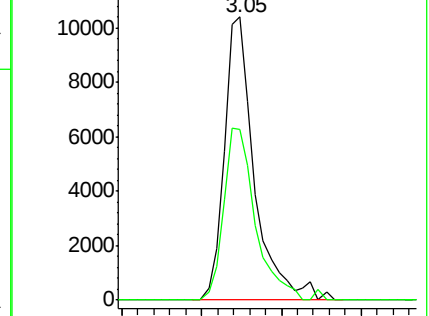
56 100

55 60.3 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: 21.093 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

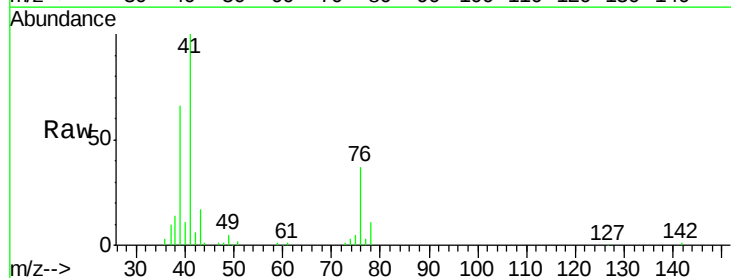
Tgt Ion: 41 Resp: 223811

Ion Ratio Lower Upper

41 100

39 66.1 55.6 83.4

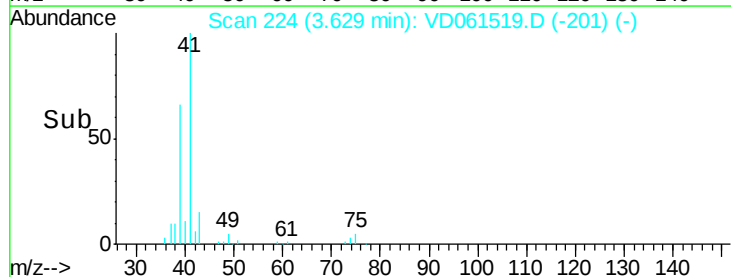
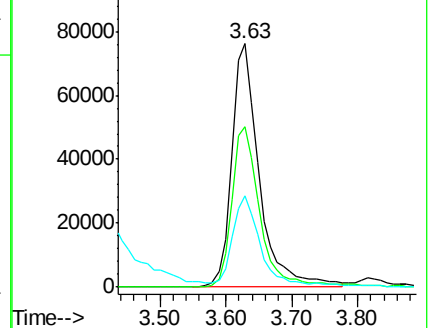
76 37.4 31.0 46.6



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: 111.678 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

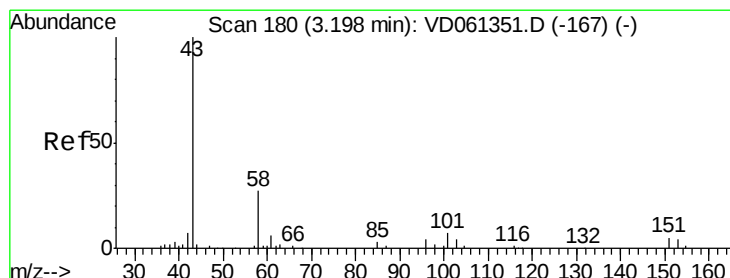
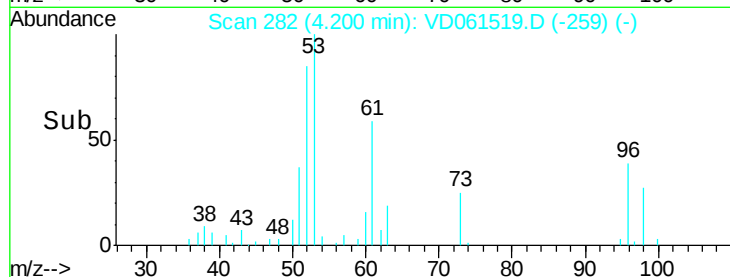
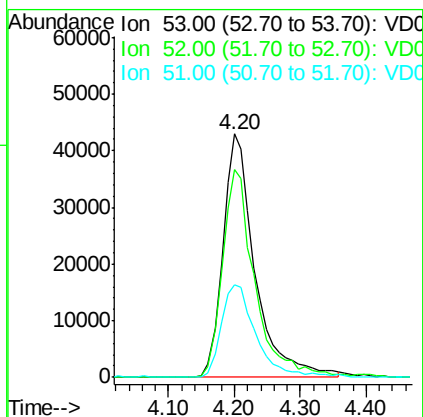
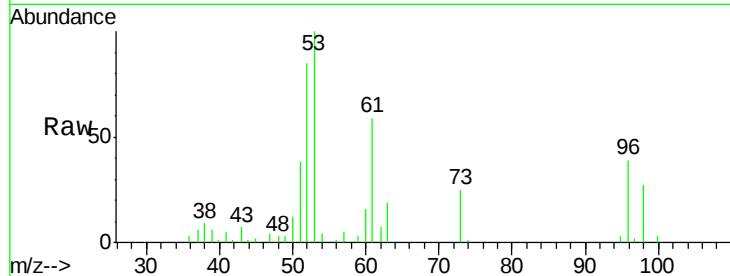
Tot Ion: 53 Resp: 146147

Ion Ratio Lower Upper

53 100

52 85.4 64.8 97.2

51 37.8 31.4 47.2



#16

Acetone

Concen: 98.036 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061519.D

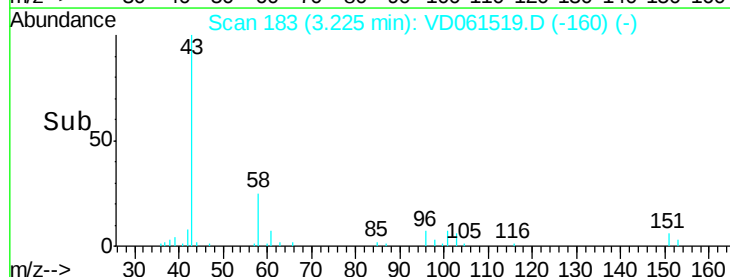
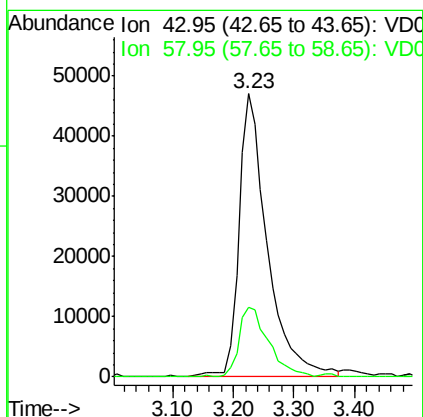
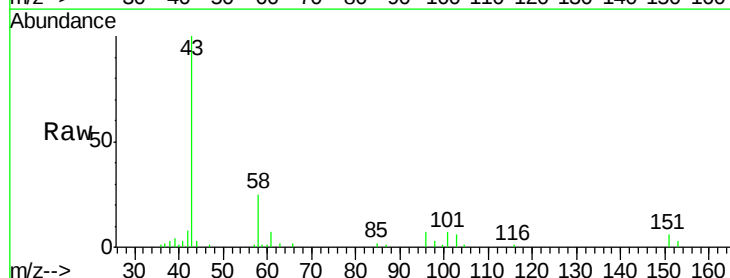
Acq: 2 Apr 2019 17:30

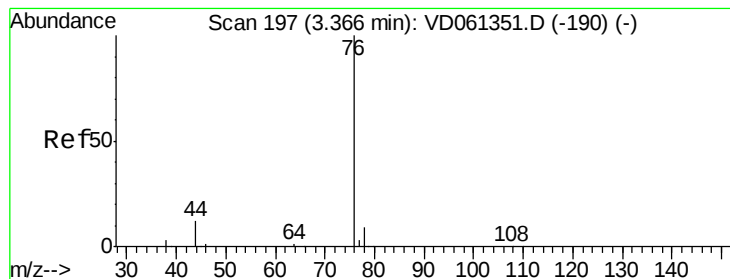
Tgt Ion: 43 Resp: 152580

Ion Ratio Lower Upper

43 100

58 24.8 21.5 32.3





#17

Carbon Disulfide

Concen: 19.685 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

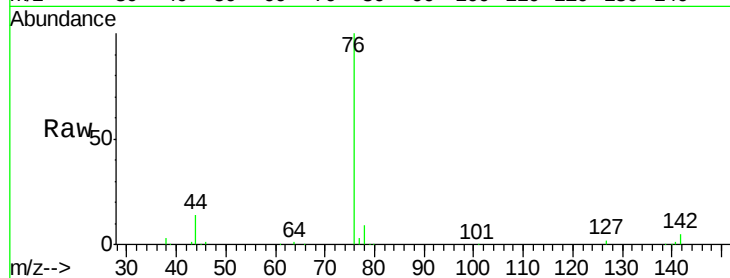
VD0402SBSD02

Tot Ion: 76 Resp: 486557

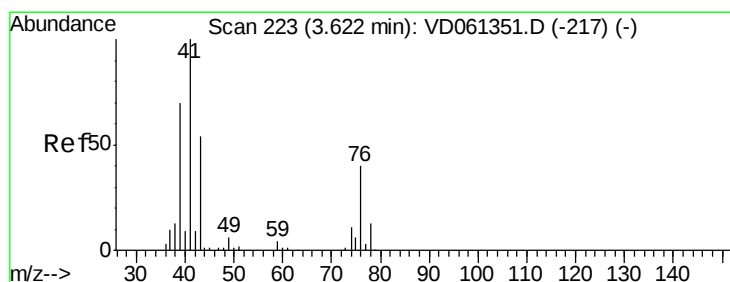
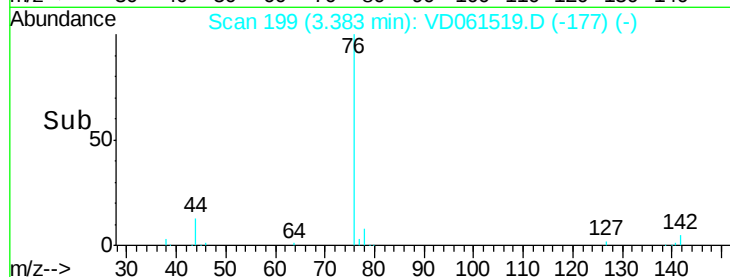
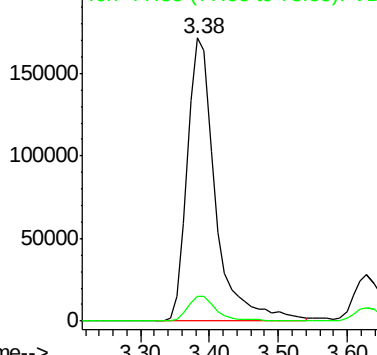
Ion Ratio Lower Upper

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: 22.119 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061519.D

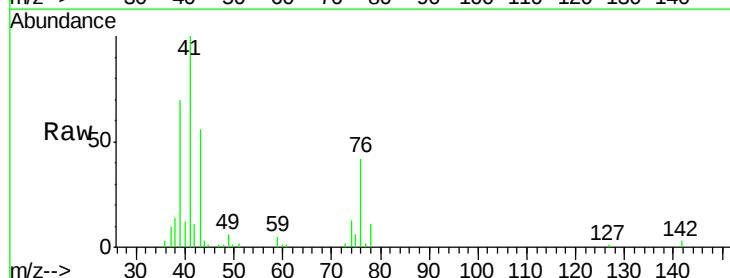
Acq: 2 Apr 2019 17:30

Tgt Ion: 43 Resp: 72380

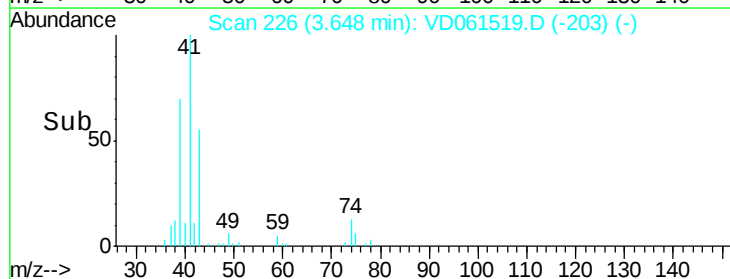
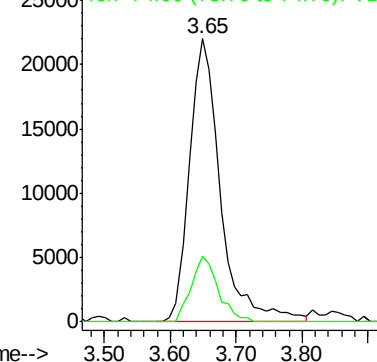
Ion Ratio Lower Upper

43 100

74 23.1 16.7 25.1



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

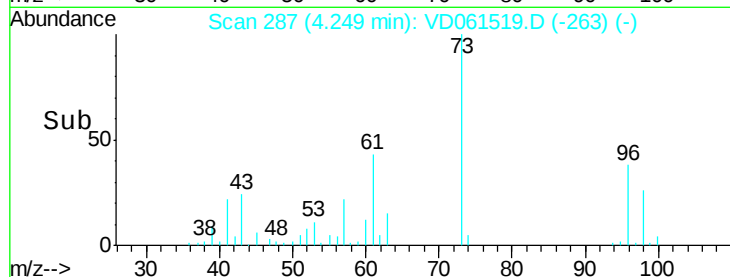
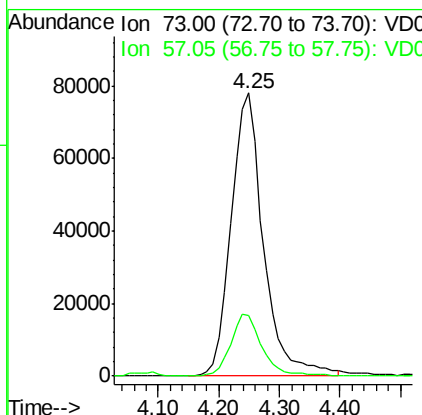
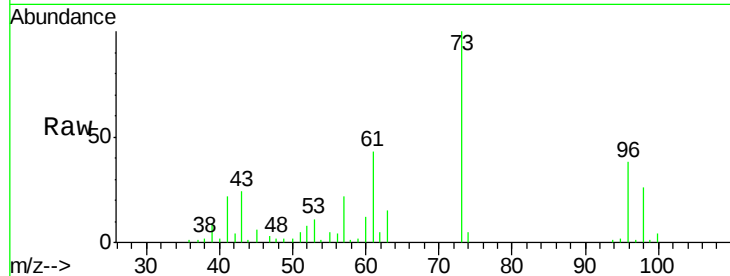




#19
Methyl tert-butyl Ether
Concen: 21.947 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

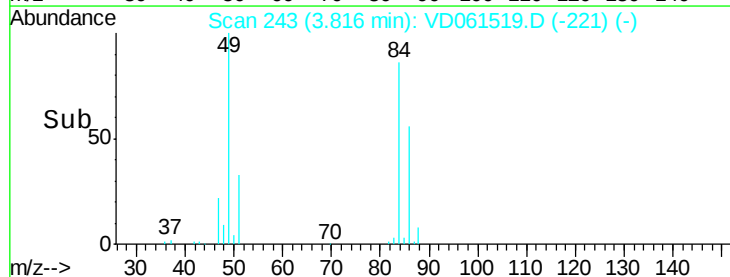
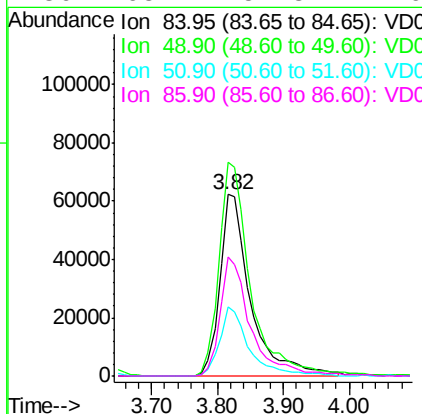
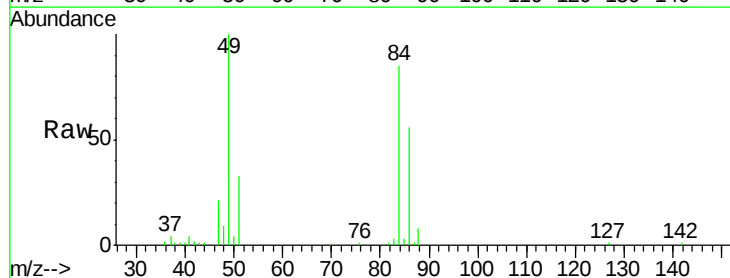
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 73 Resp: 289000
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6



#20
Methylene Chloride
Concen: 22.154 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 84 Resp: 202475
Ion Ratio Lower Upper
84 100
49 117.8 91.8 137.8
51 38.4 29.8 44.8
86 65.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.453 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD02

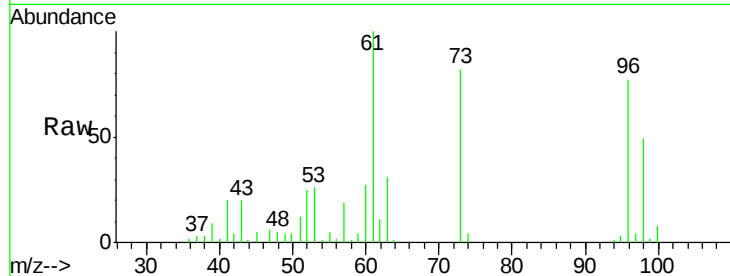
Tot Ion: 96 Resp: 176202

Ion Ratio Lower Upper

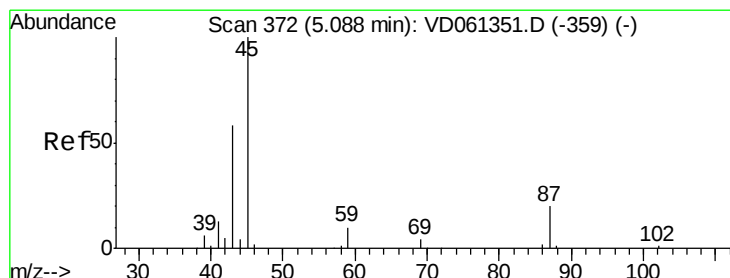
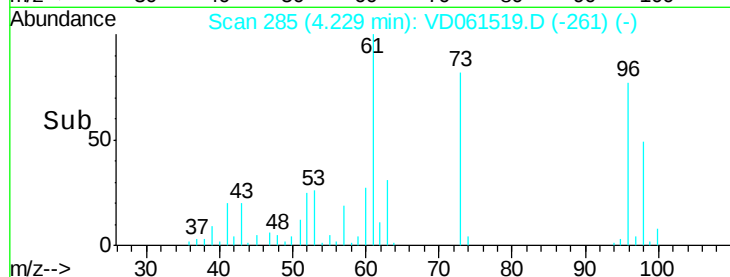
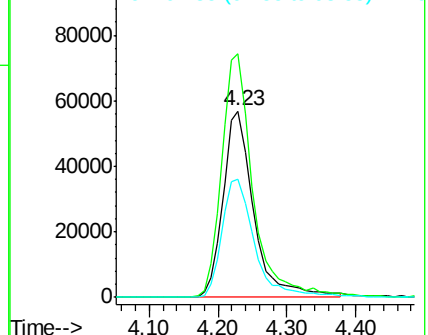
96 100

61 130.6 102.7 154.1

98 63.7 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: 21.577 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Tgt Ion: 45 Resp: 484469

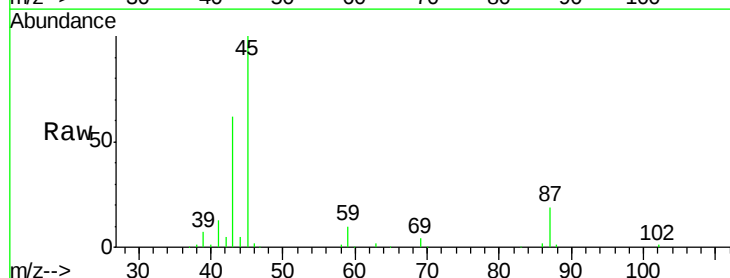
Ion Ratio Lower Upper

45 100

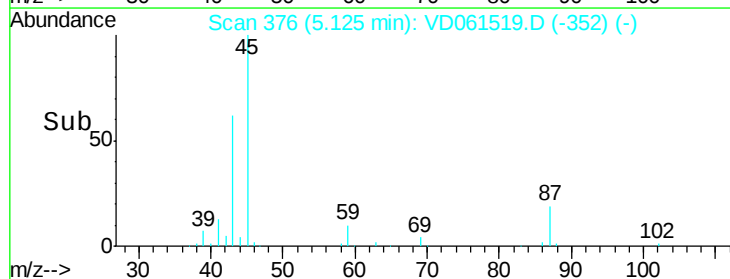
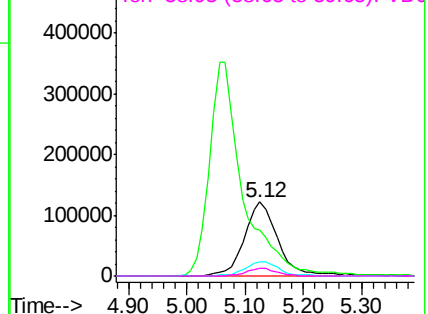
43 61.6 47.4 71.2

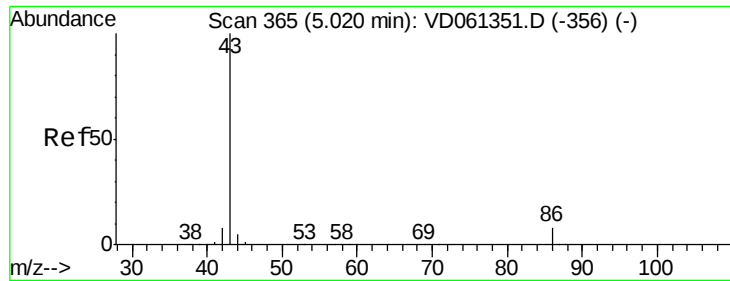
87 19.3 16.3 24.5

59 10.3 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: 112.696 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

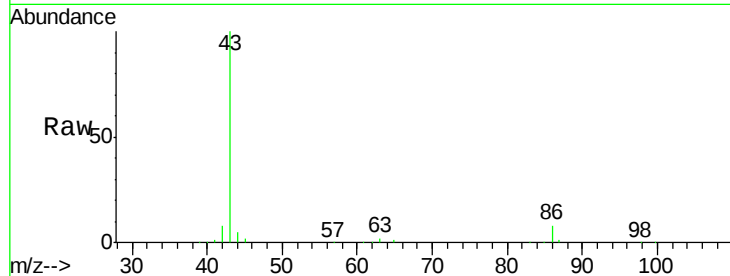
VD0402SBS02

Tot Ion: 43 Resp: 1374507

Ion Ratio Lower Upper

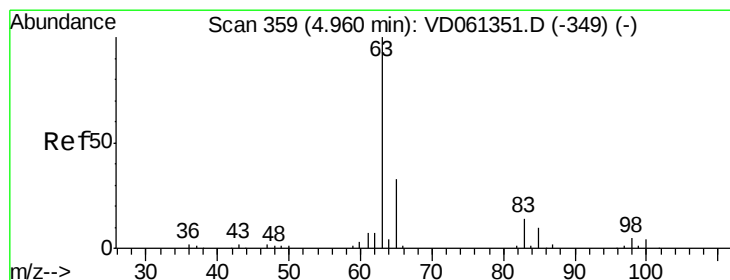
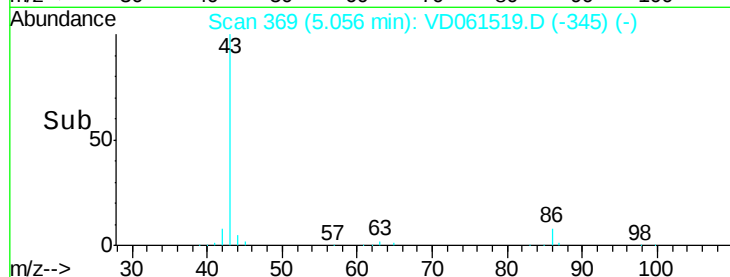
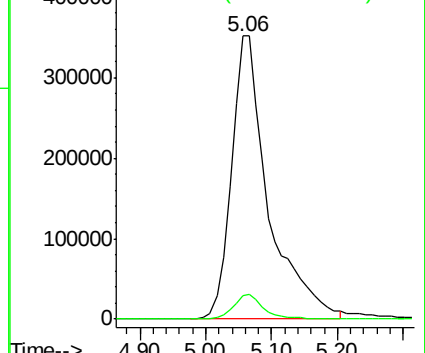
43 100

86 8.2 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: 20.871 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

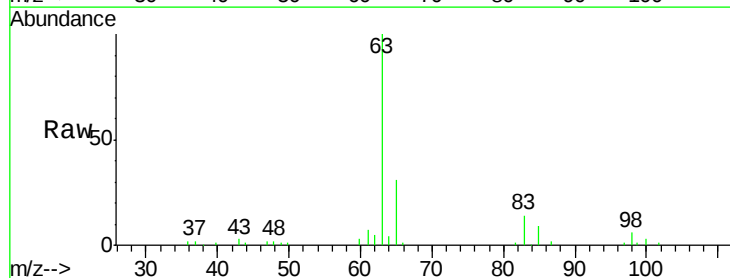
Tgt Ion: 63 Resp: 275402

Ion Ratio Lower Upper

63 100

98 5.7 2.6 8.0

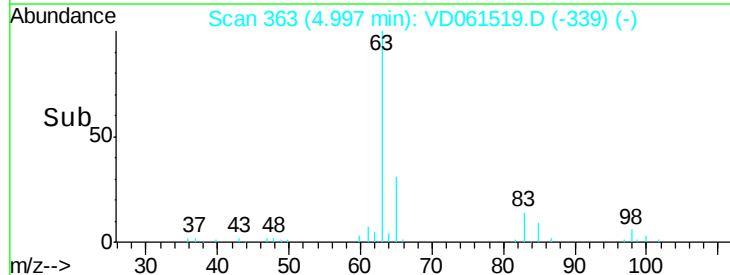
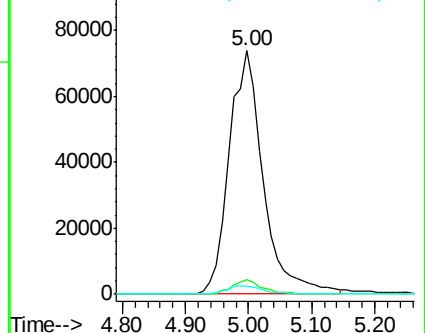
100 3.5 1.8 5.3



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: 101.620 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

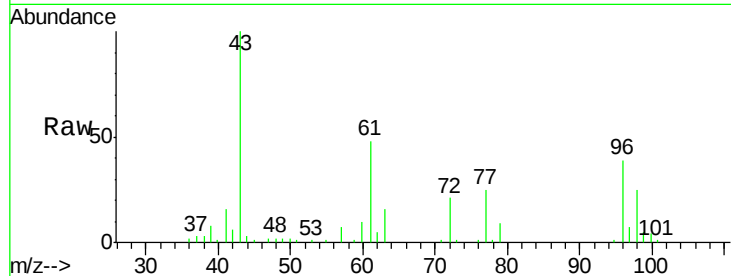
VD0402SBS02

Tot Ion: 43 Resp: 198949

Ion Ratio Lower Upper

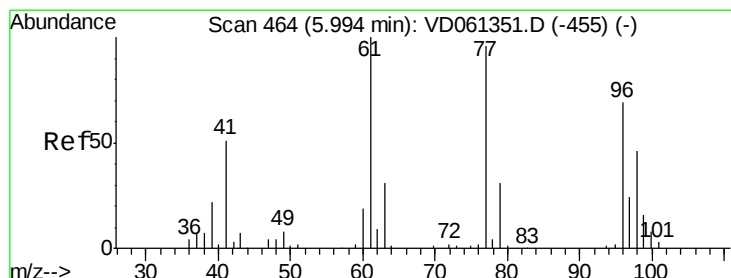
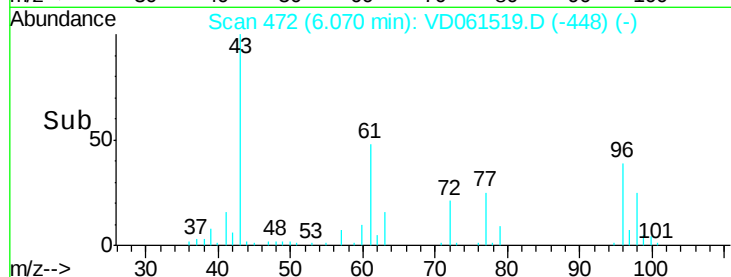
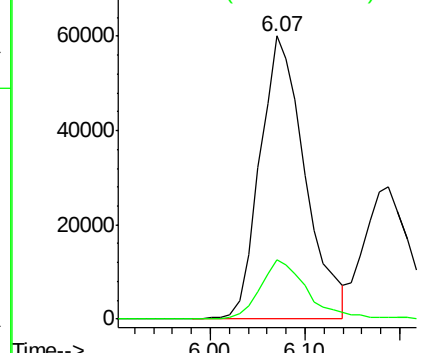
43 100

72 20.9 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.651 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061519.D

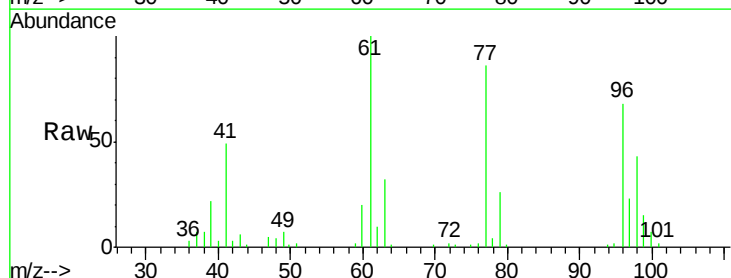
Acq: 2 Apr 2019 17:30

Tgt Ion: 77 Resp: 227119

Ion Ratio Lower Upper

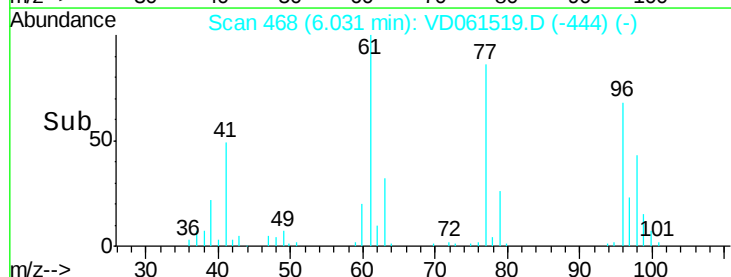
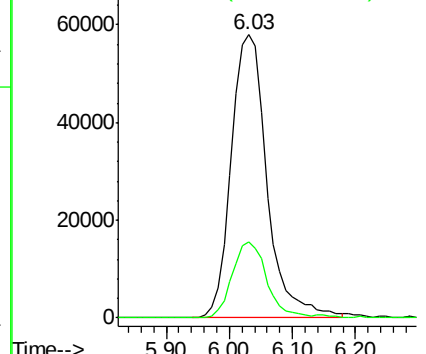
77 100

97 26.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



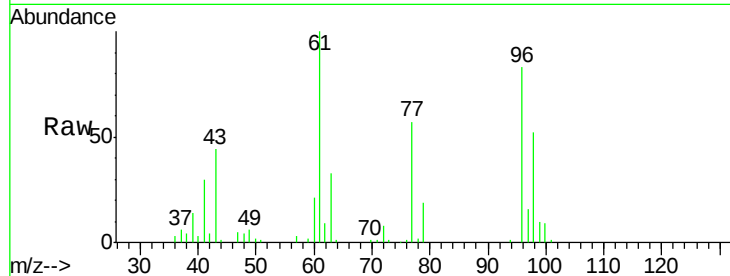


#27

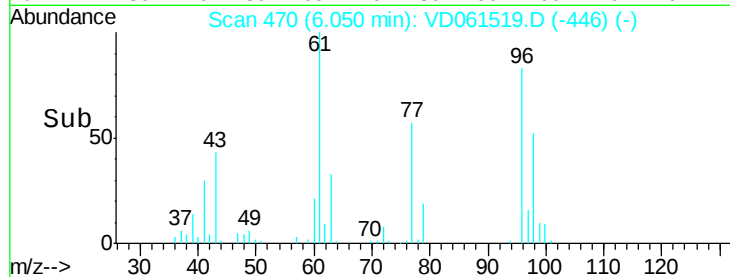
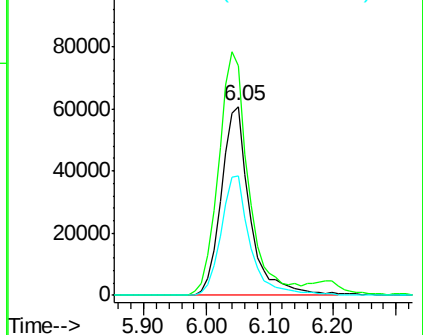
cis-1,2-Dichloroethene
 Concen: 21.345 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	251.6
98	63.2	0.0	129.2



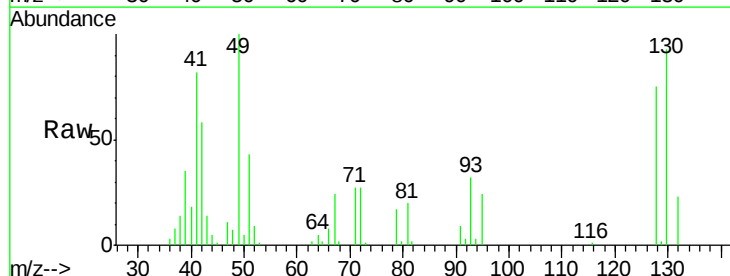
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



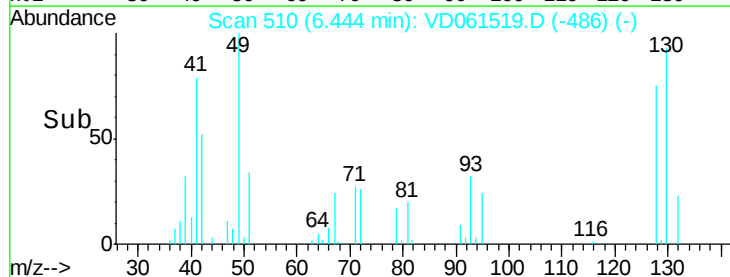
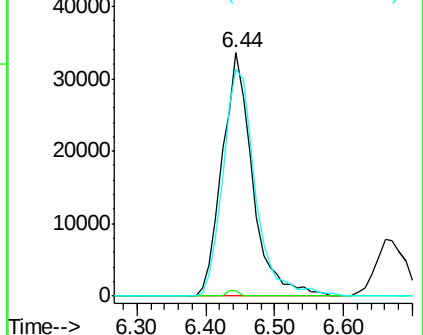
#28

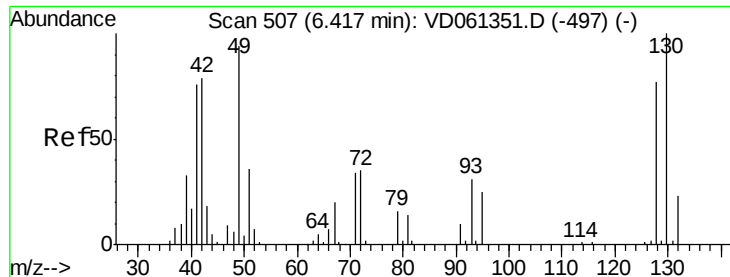
Bromochloromethane
 Concen: 19.246 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.04 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	93.0	78.4	117.6



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

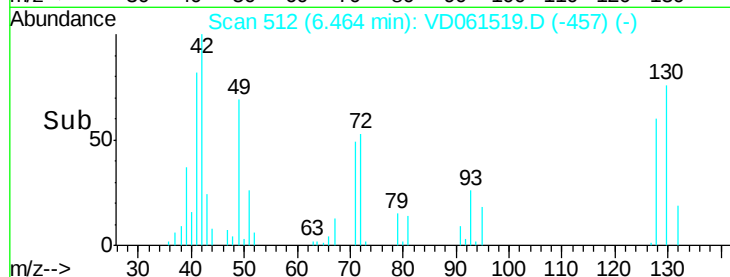
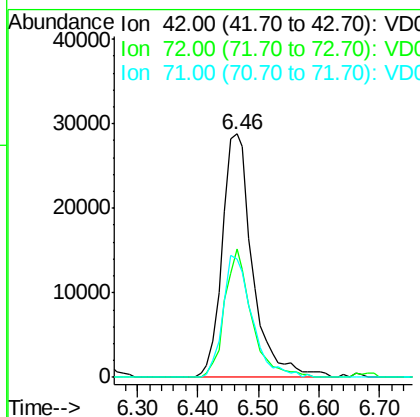
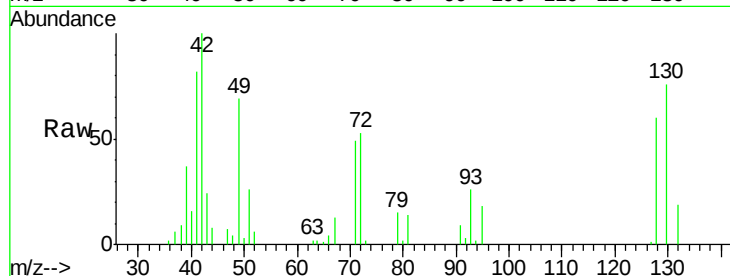




#29
Tetrahydrofuran
Concen: 105.443 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

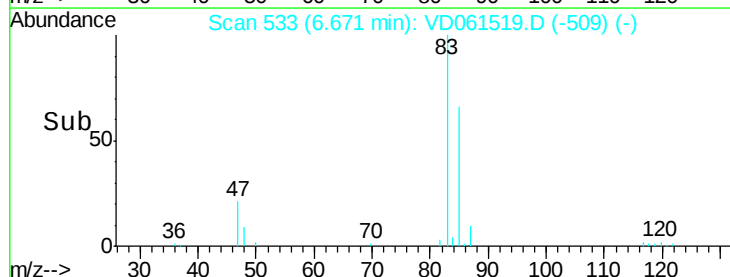
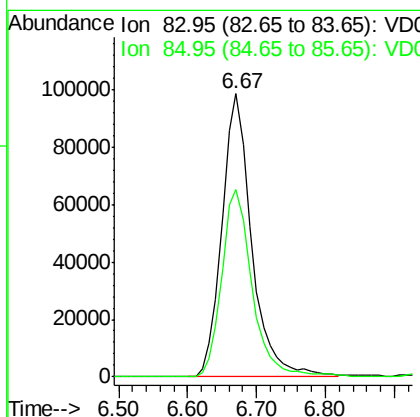
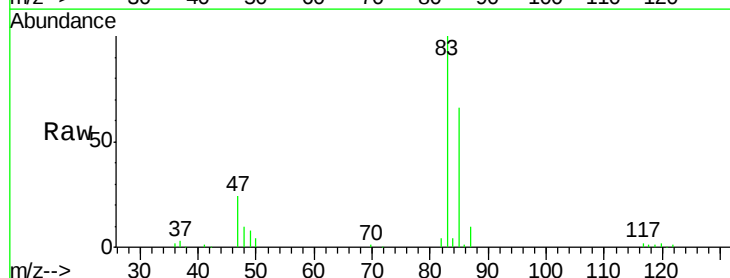
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

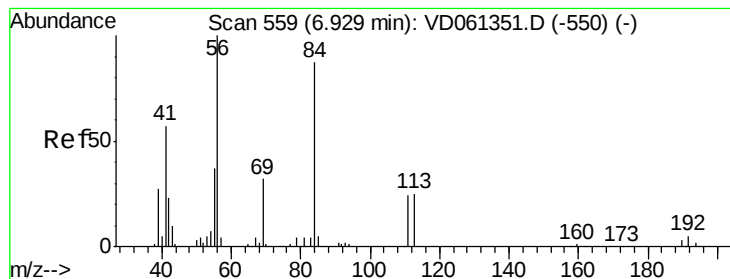
Tot Ion: 42 Resp: 100057
Ion Ratio Lower Upper
42 100
72 46.9 37.4 56.0
71 47.9 36.7 55.1



#30
Chloroform
Concen: 21.633 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.04 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 83 Resp: 294963
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.4





#31

Cyclohexane

Concen: 21.358 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

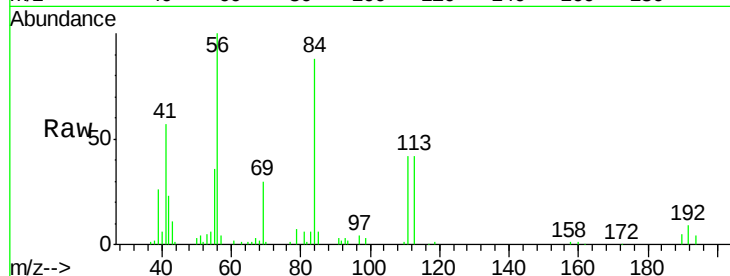
Tot Ion: 56 Resp: 222713

Ion Ratio Lower Upper

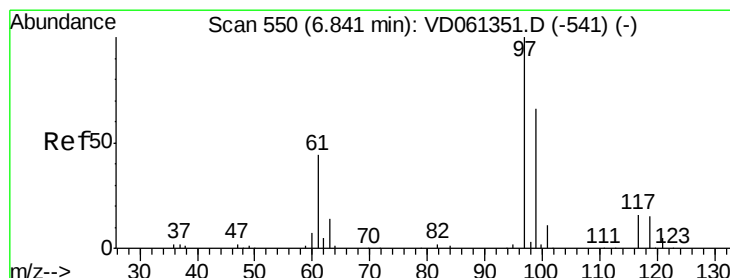
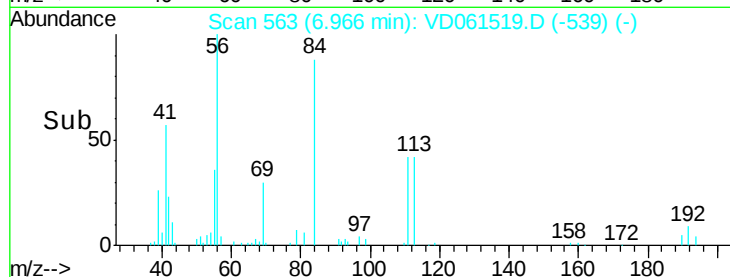
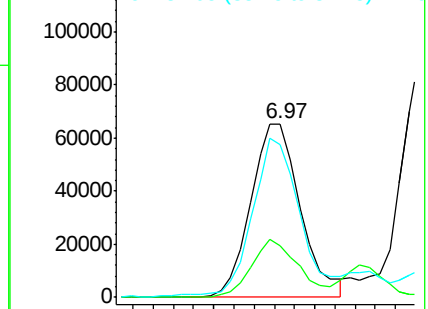
56 100

69 30.0 25.7 38.5

84 87.6 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 22.407 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

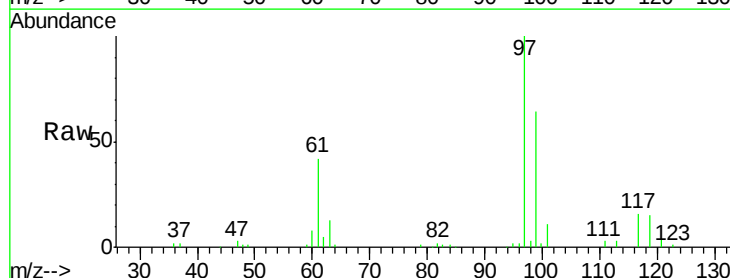
Tgt Ion: 97 Resp: 269528

Ion Ratio Lower Upper

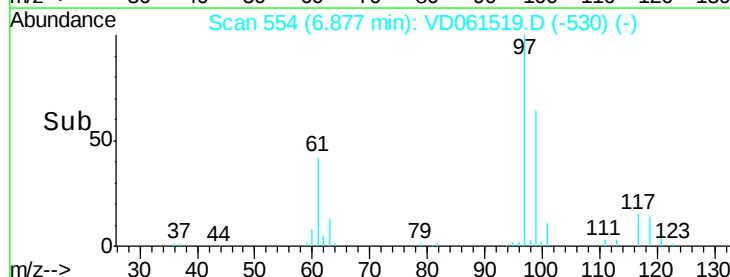
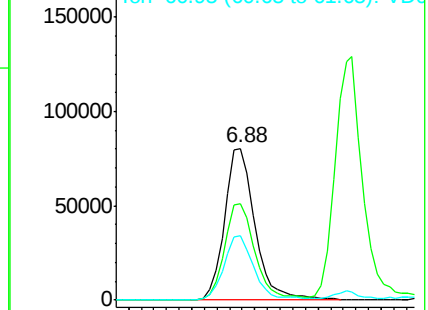
97 100

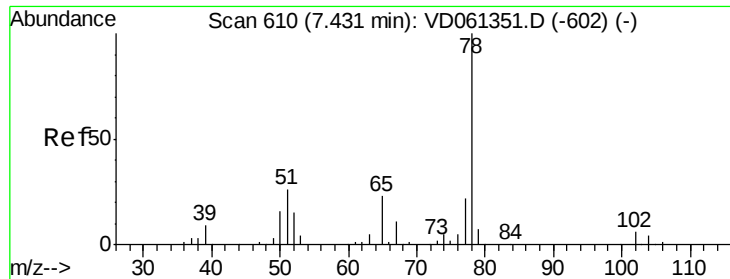
99 63.8 53.1 79.7

61 42.2 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.407 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

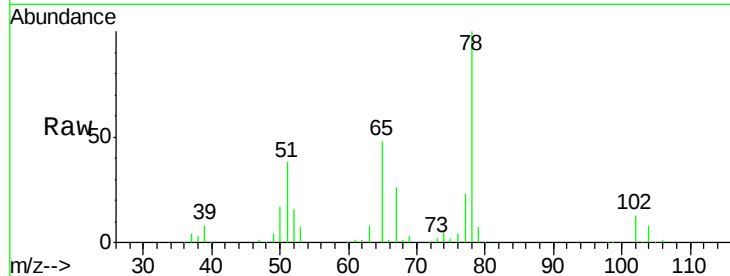
VD0402SBS02

Tot Ion: 65 Resp: 291290

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

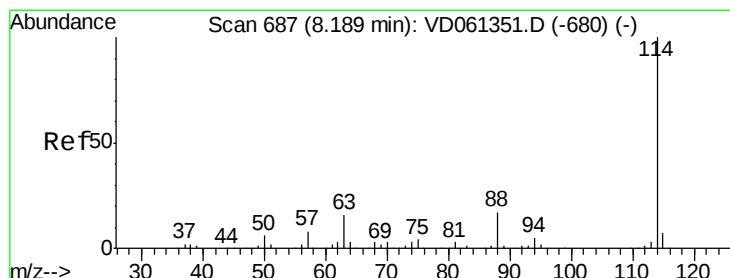
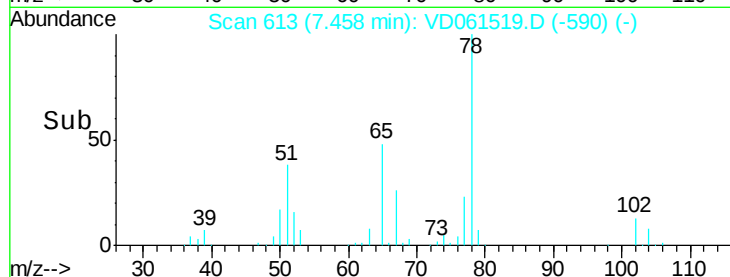
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

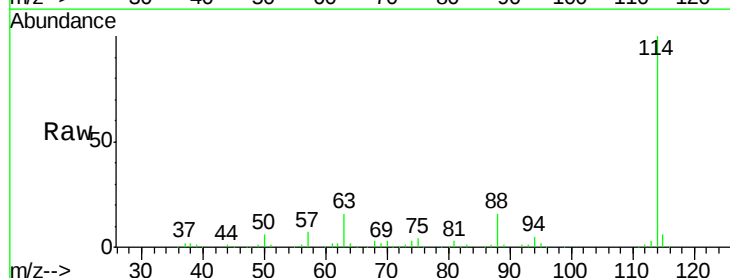
Tgt Ion: 114 Resp: 1181763

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

88 16.0 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

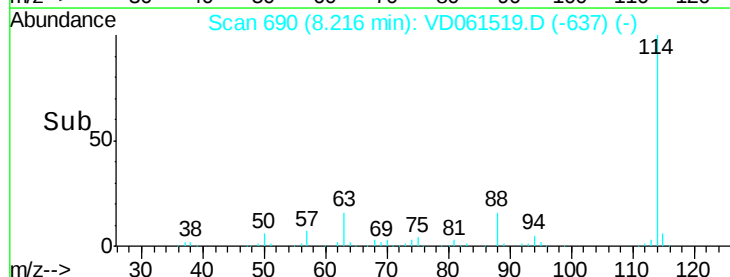
300000

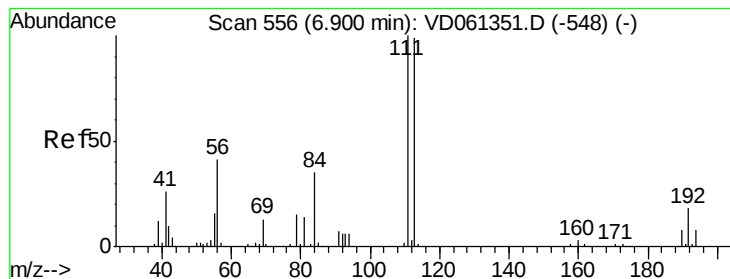
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

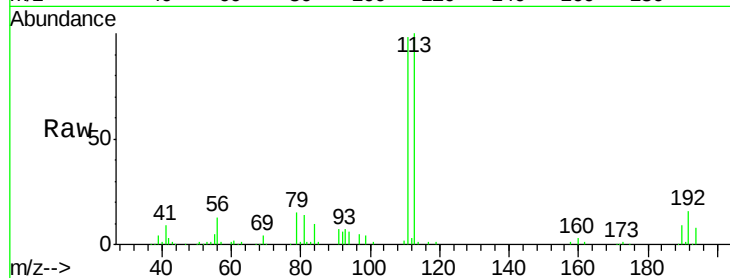
Tot Ion:113 Resp: 412994

Ion Ratio Lower Upper

113 100

111 97.8 81.0 121.6

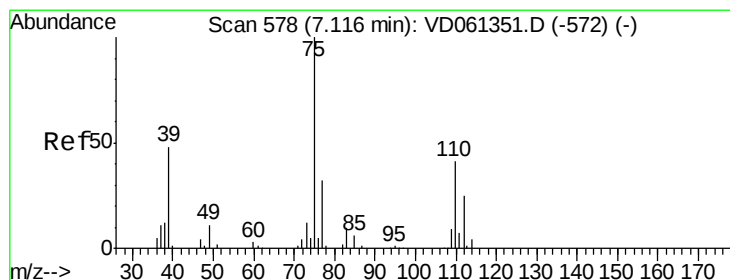
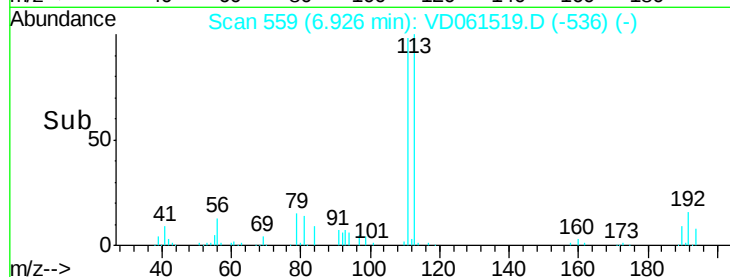
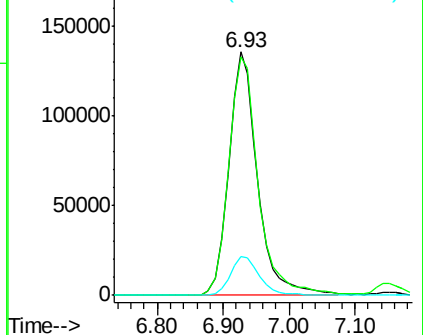
192 15.8 14.4 21.6



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: 22.144 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.04 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

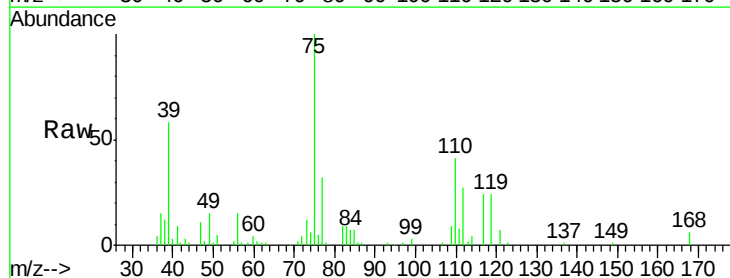
Tgt Ion: 75 Resp: 228397

Ion Ratio Lower Upper

75 100

110 40.7 20.4 61.3

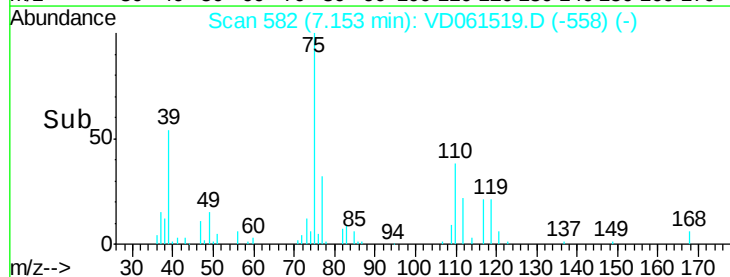
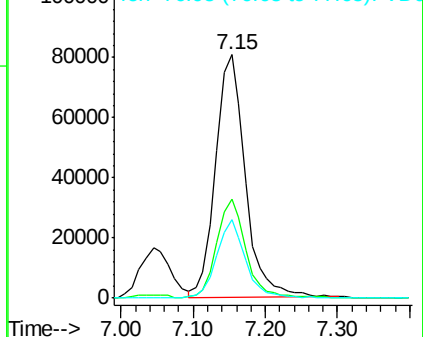
77 32.1 24.9 37.3

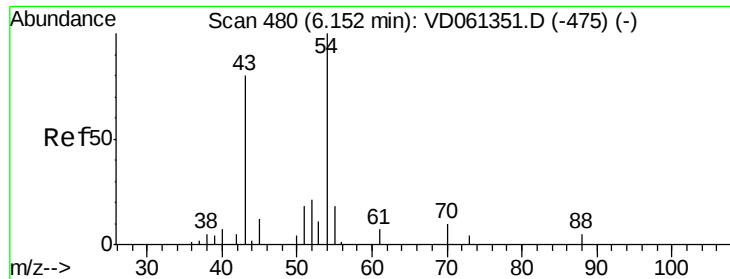


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

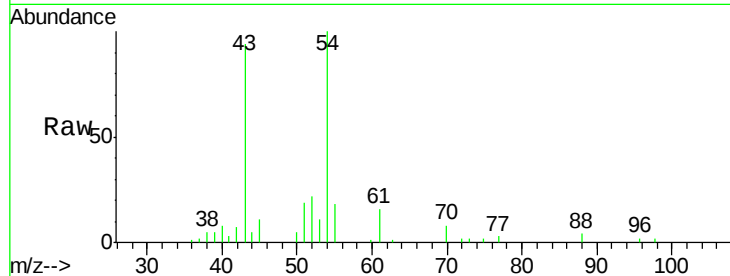




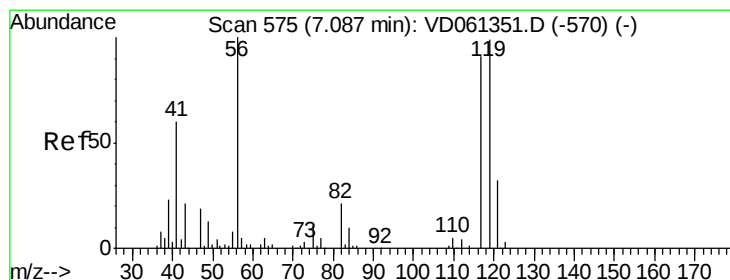
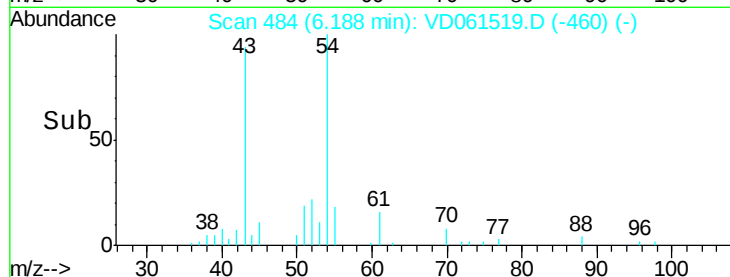
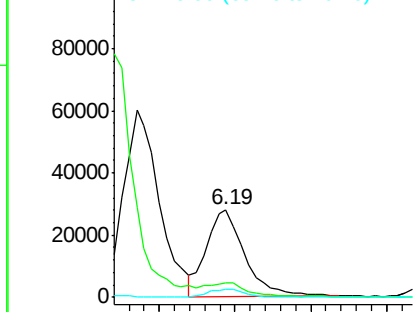
#37
Ethyl Acetate
Concen: 22.204 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 43 Resp: 97943
Ion Ratio Lower Upper
43 100
61 17.1 13.8 20.8
70 8.9 7.8 11.8

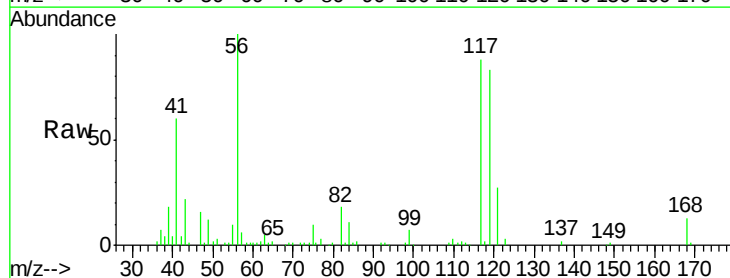


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

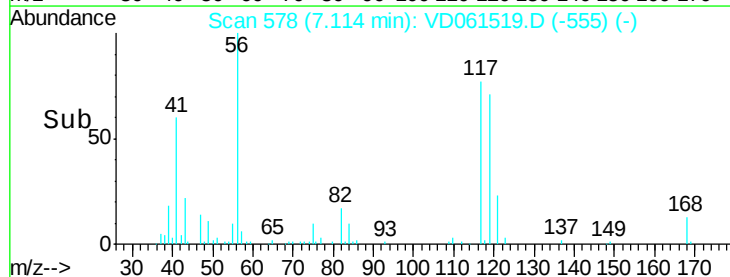
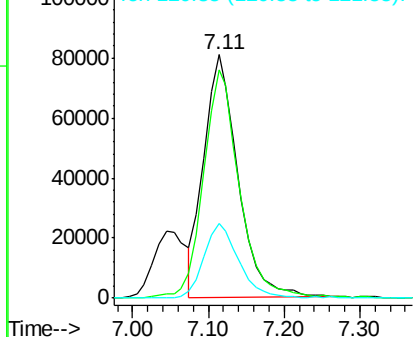


#38
Carbon Tetrachloride
Concen: 21.475 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.03 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 117 Resp: 254515
Ion Ratio Lower Upper
117 100
119 93.9 80.1 120.1
121 30.7 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 21.541 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD02

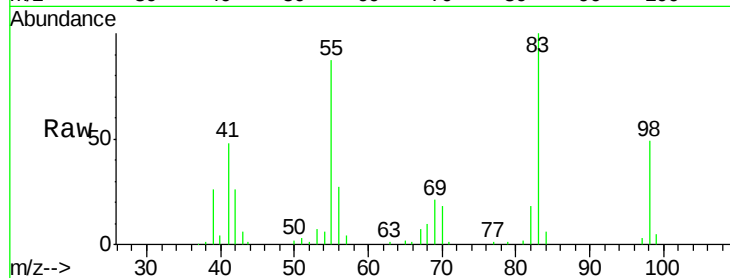
Tot Ion: 83 Resp: 231391

Ion Ratio Lower Upper

83 100

55 87.0 71.5 107.3

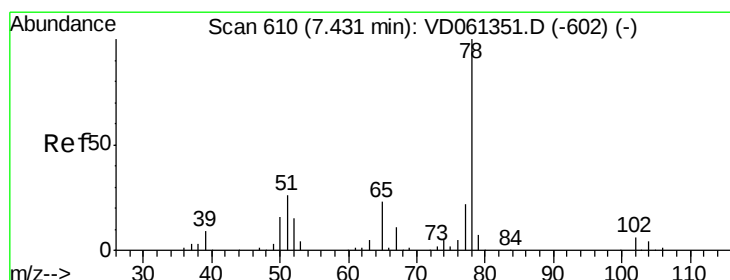
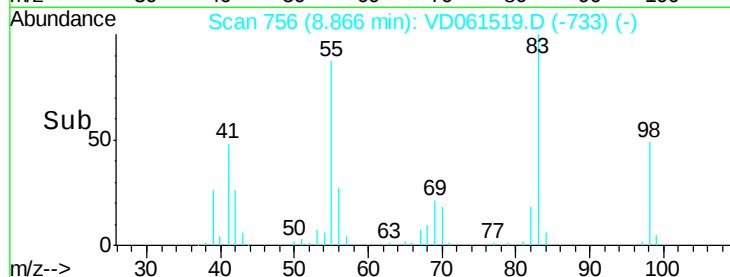
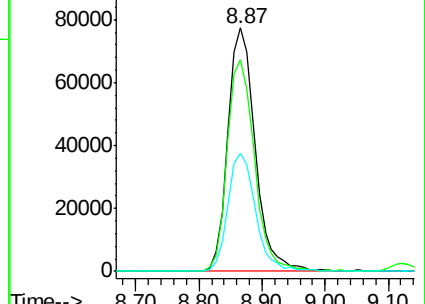
98 48.7 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 23.696 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061519.D

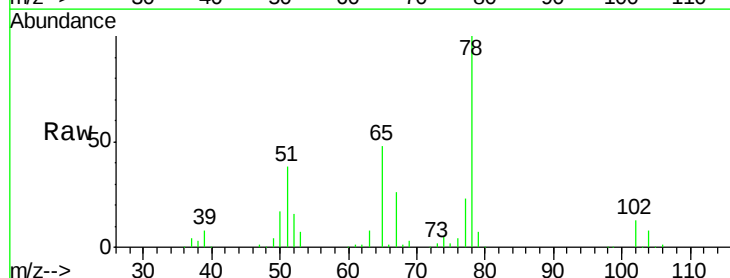
Acq: 2 Apr 2019 17:30

Tgt Ion: 78 Resp: 613395

Ion Ratio Lower Upper

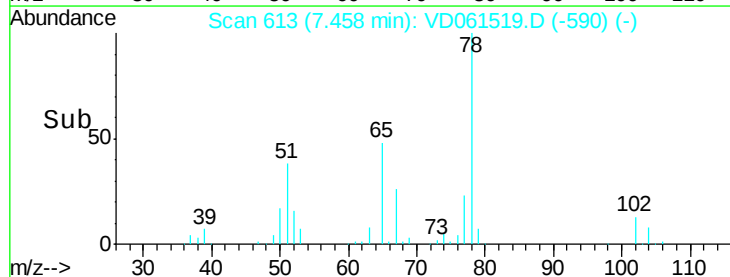
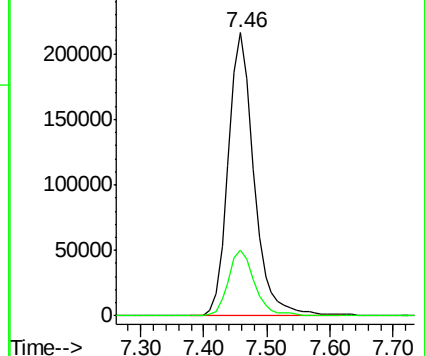
78 100

77 23.3 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: 21.200 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

Tot Ion: 41 Resp: 109341

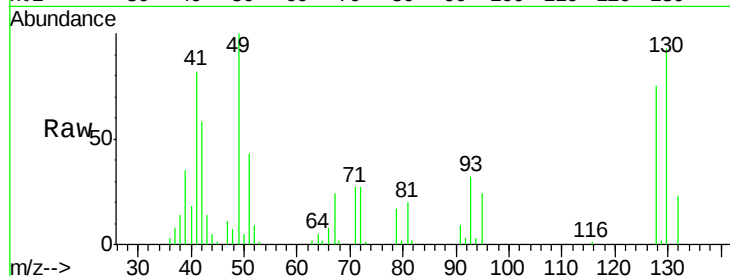
Ion Ratio Lower Upper

41 100

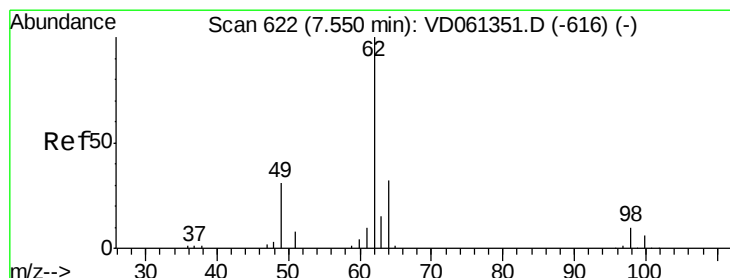
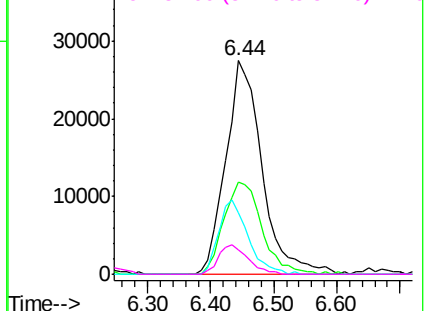
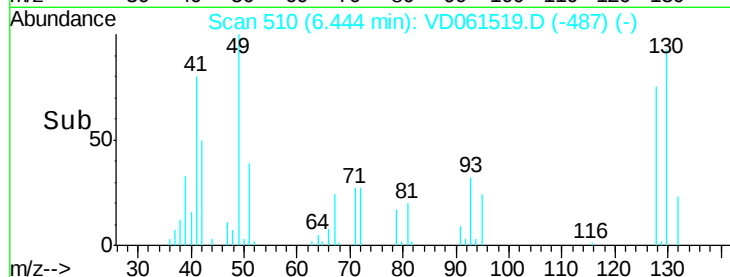
39 43.2 35.0 52.6

67 28.9 21.0 31.6

52 11.3 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: 23.134 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.03 min

Lab File: VD061519.D

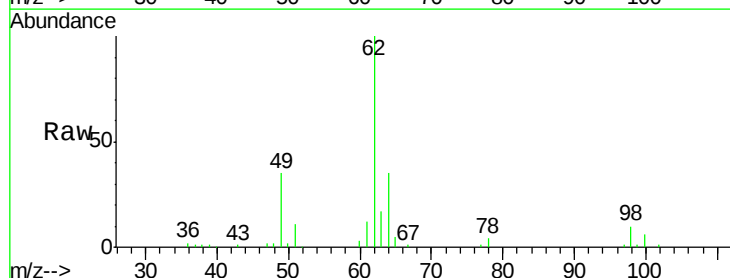
Acq: 2 Apr 2019 17:30

Tgt Ion: 62 Resp: 179131

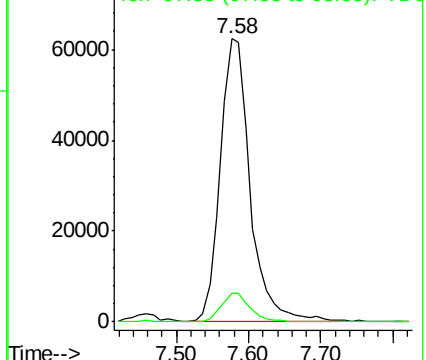
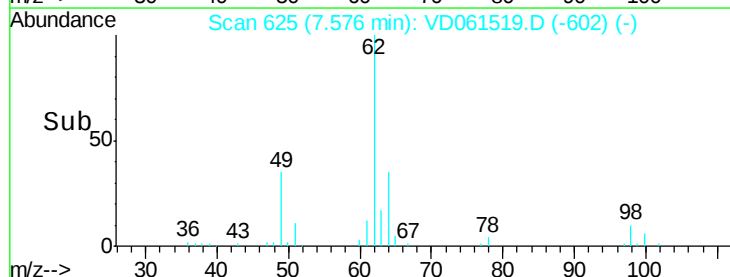
Ion Ratio Lower Upper

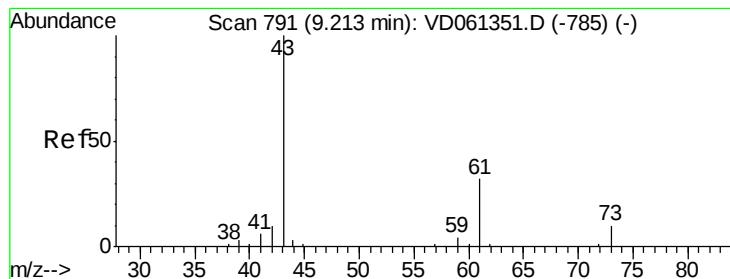
62 100

98 10.3 0.0 19.8



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



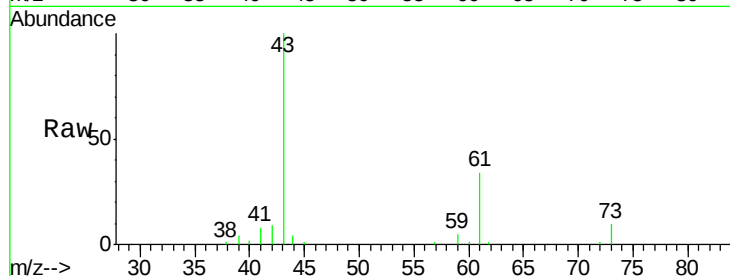


#43

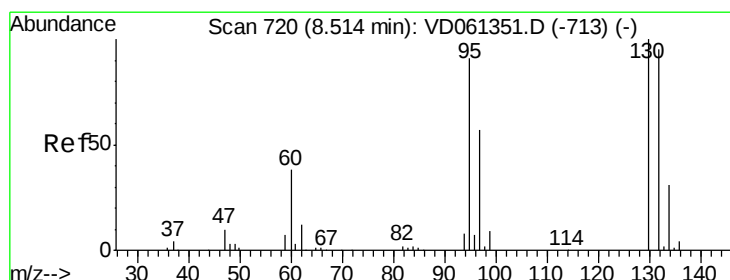
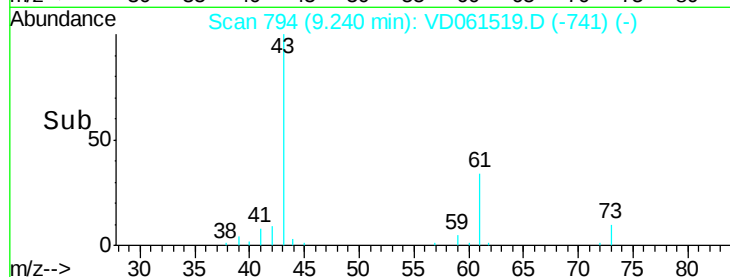
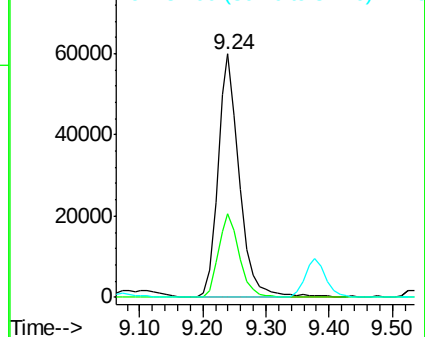
Isopropyl Acetate
 Concen: 22.158 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.03 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion: 43 Resp: 142211
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.8 38.6
 87 0.0 0.0 0.0



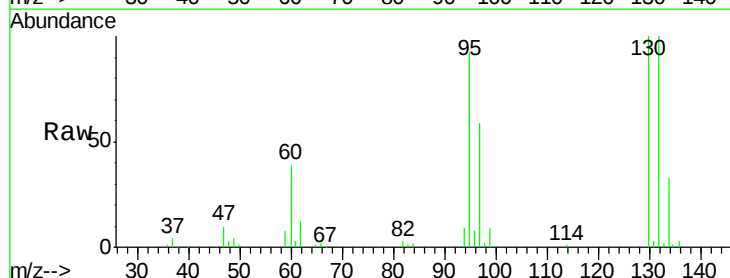
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



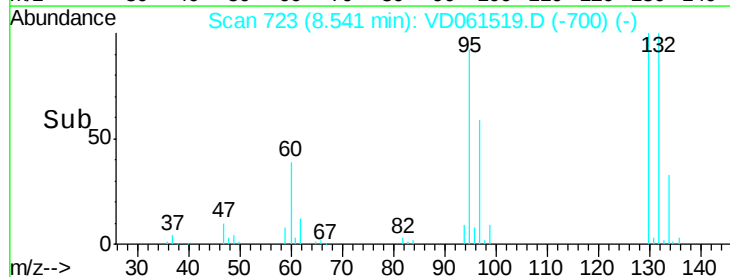
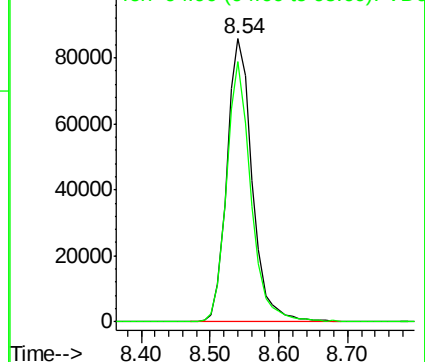
#44

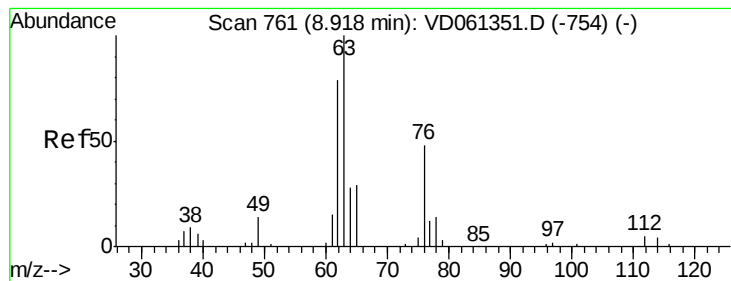
Trichloroethene
 Concen: 22.689 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.03 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion: 130 Resp: 218573
 Ion Ratio Lower Upper
 130 100
 95 92.1 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: 22.557 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

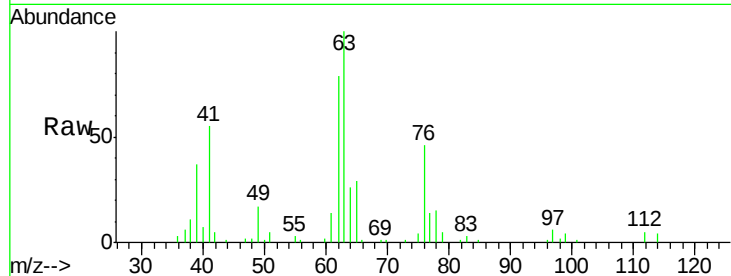
VD0402SBS02

Tot Ion: 63 Resp: 148058

Ion Ratio Lower Upper

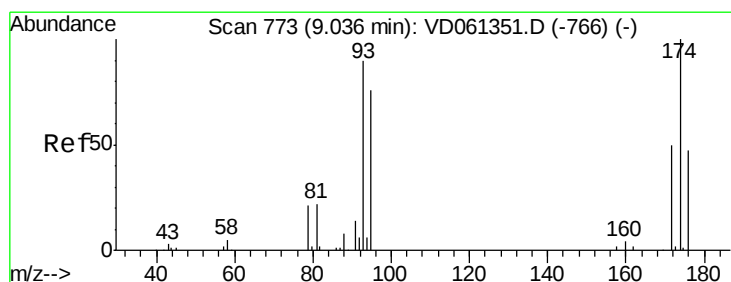
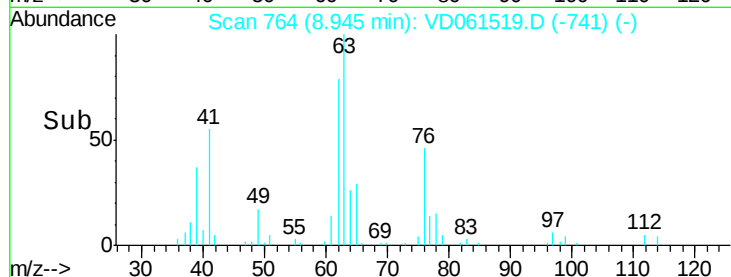
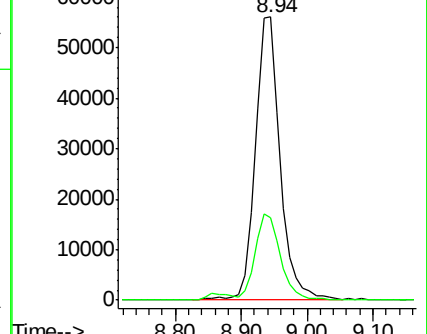
63 100

65 28.9 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: 22.362 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

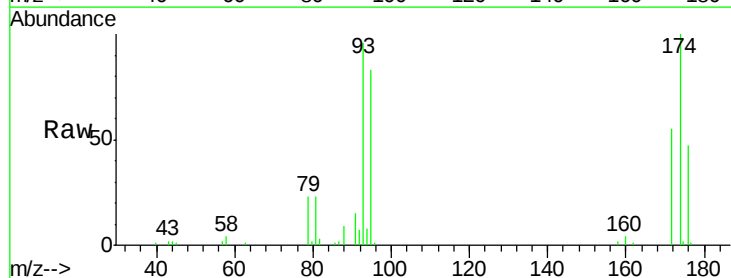
Tgt Ion: 93 Resp: 98794

Ion Ratio Lower Upper

93 100

95 86.0 67.4 101.0

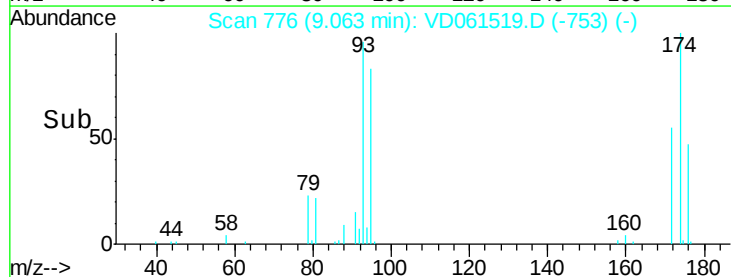
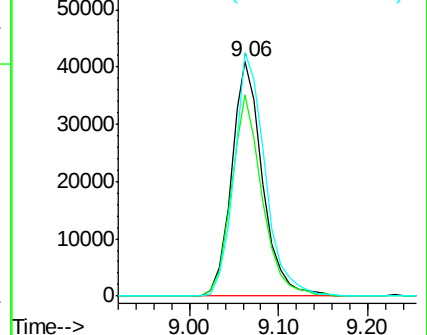
174 103.9 88.9 133.3

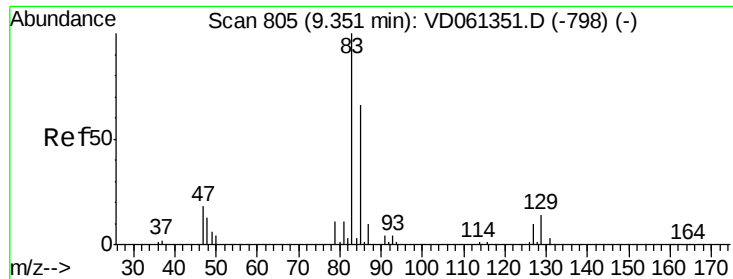


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.509 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

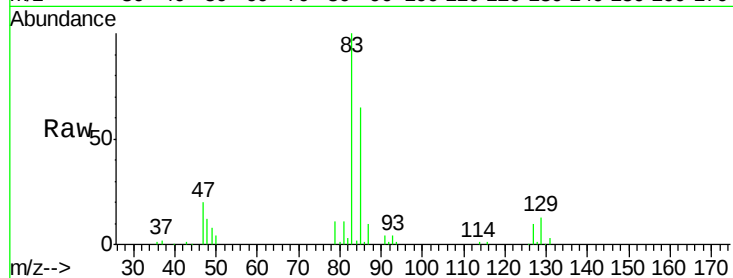
Tot Ion: 83 Resp: 223197

Ion Ratio Lower Upper

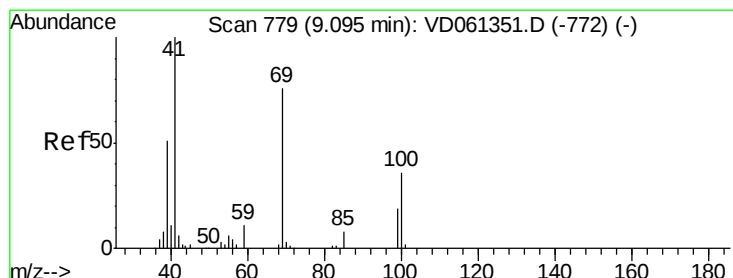
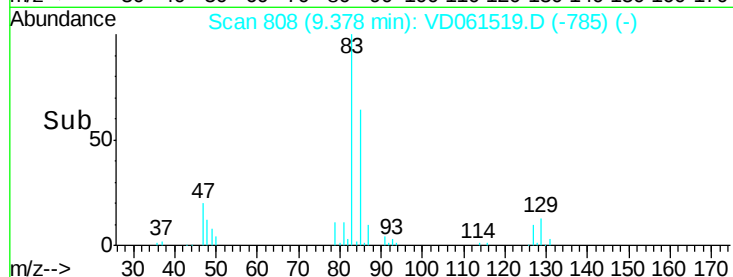
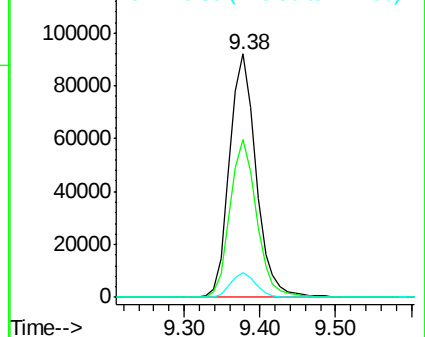
83 100

85 65.0 53.0 79.4

127 10.2 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): V



#48

Methyl methacrylate

Concen: 22.833 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

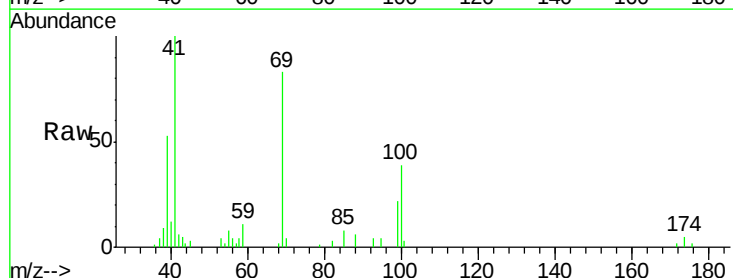
Tgt Ion: 41 Resp: 80875

Ion Ratio Lower Upper

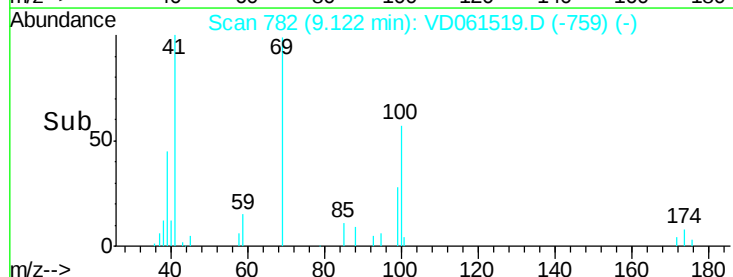
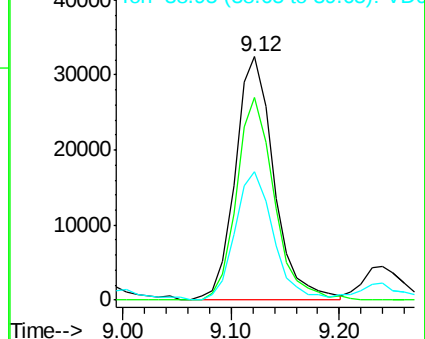
41 100

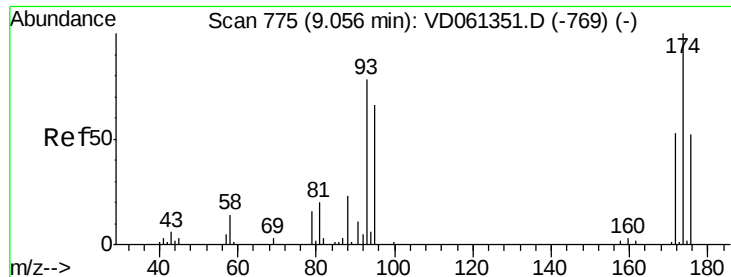
69 83.3 60.2 90.4

39 52.9 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

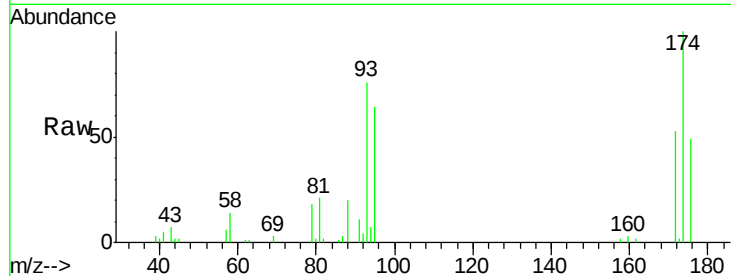




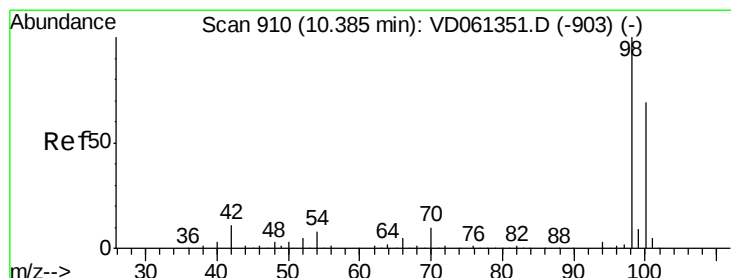
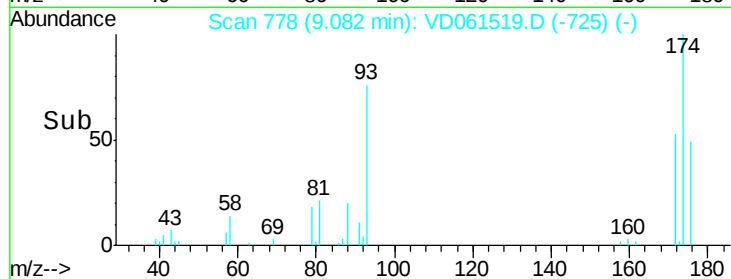
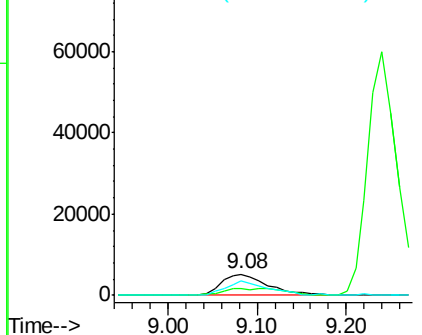
#49
1,4-Dioxane
Concen: 478.748 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.03 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 88 Resp: 18704
Ion Ratio Lower Upper
88 100
43 33.4 23.3 34.9
58 66.5 50.8 76.2

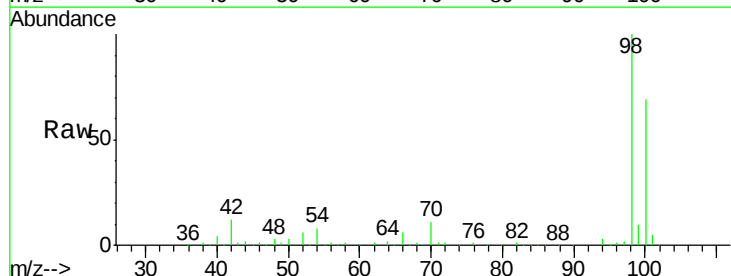


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

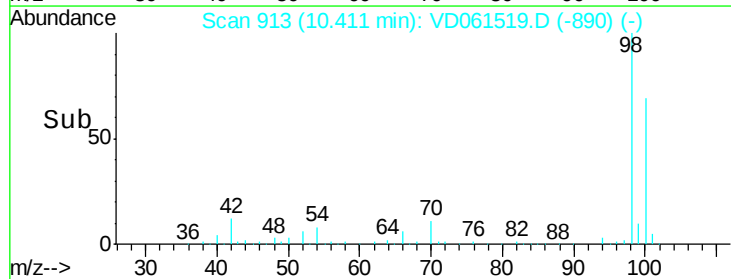
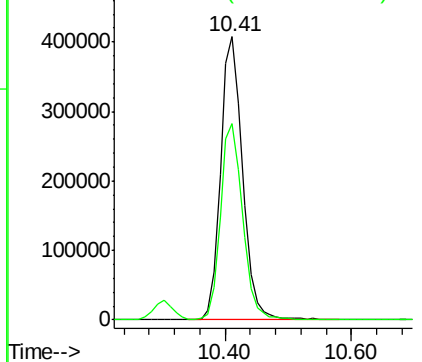


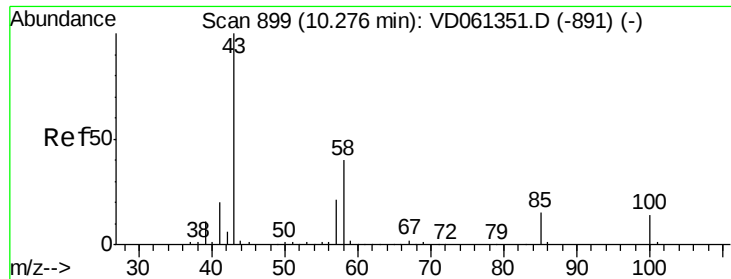
#50
Toluene-d8
Concen: 478.748 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 98 Resp: 994554
Ion Ratio Lower Upper
98 100
100 69.3 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: 119.551 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

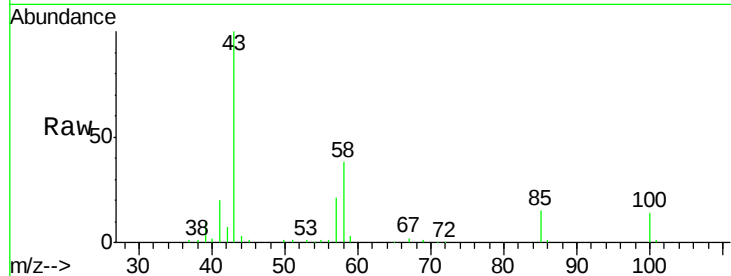
VD0402SBS02

Tot Ion: 43 Resp: 466812

Ion Ratio Lower Upper

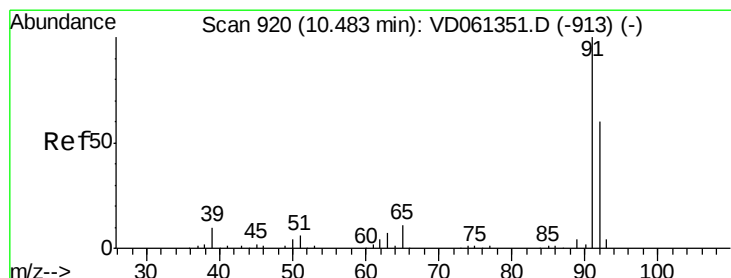
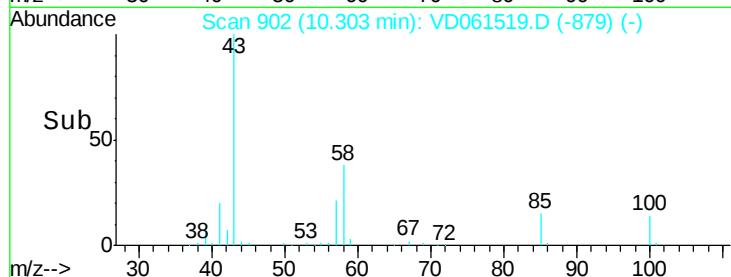
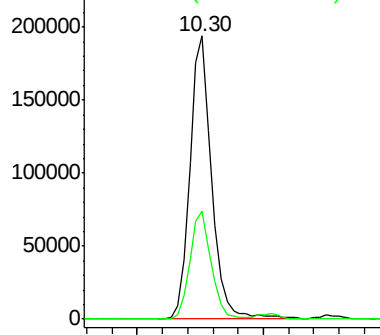
43 100

58 38.1 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 24.324 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061519.D

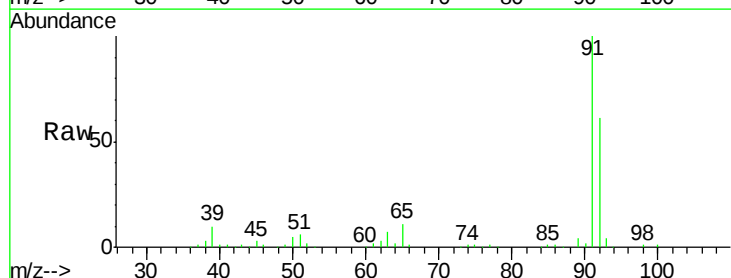
Acq: 2 Apr 2019 17:30

Tgt Ion: 92 Resp: 384130

Ion Ratio Lower Upper

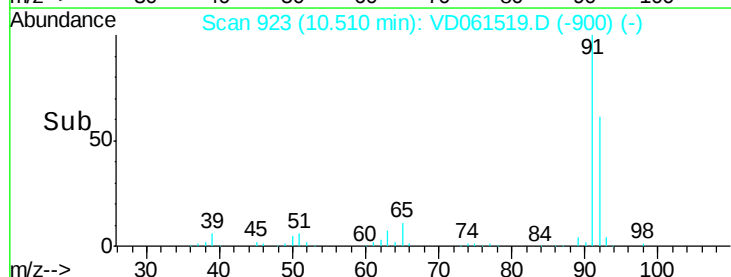
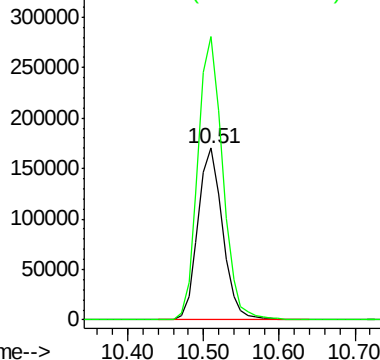
92 100

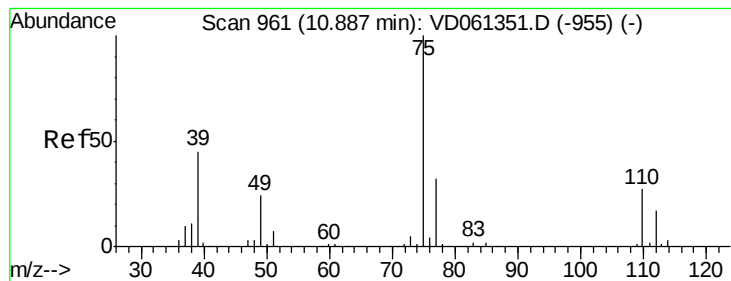
91 165.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.139 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

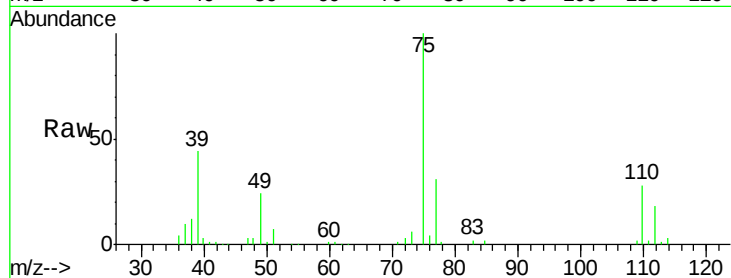
VD0402SBSD02

Tot Ion: 75 Resp: 199455

Ion Ratio Lower Upper

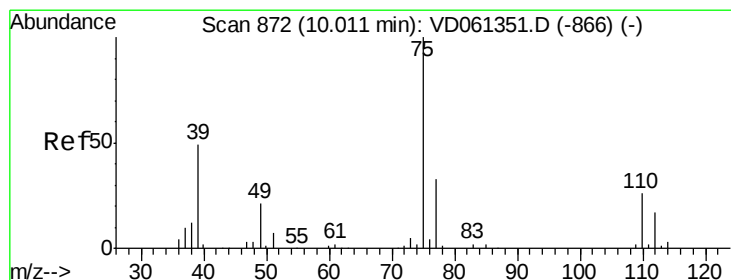
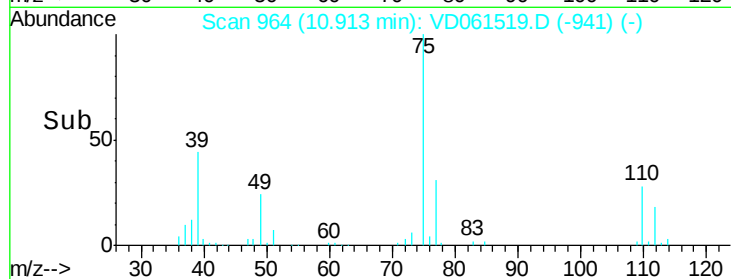
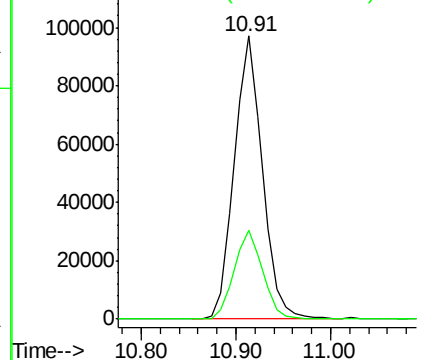
75 100

77 31.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.611 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.03 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

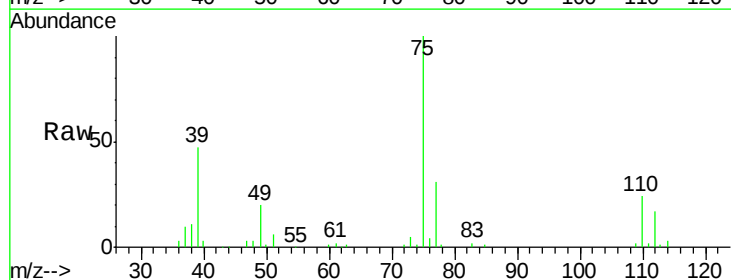
Tgt Ion: 75 Resp: 248039

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.4

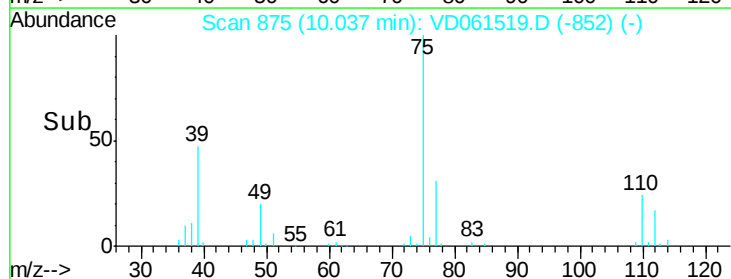
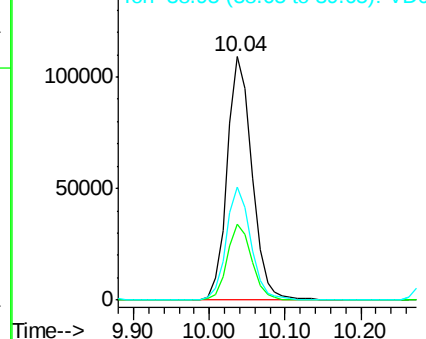
39 46.5 39.4 59.0

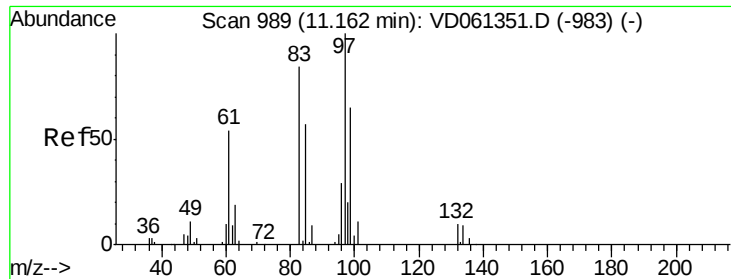


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

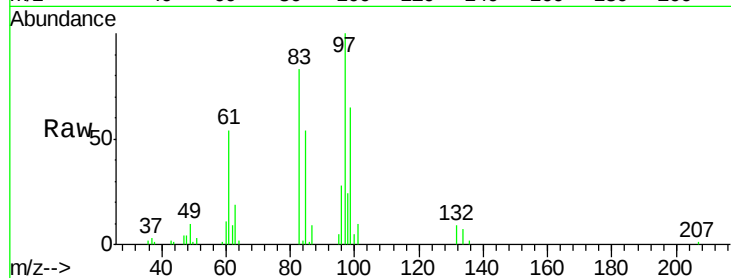




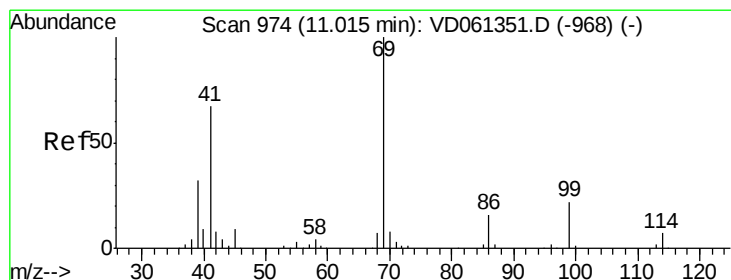
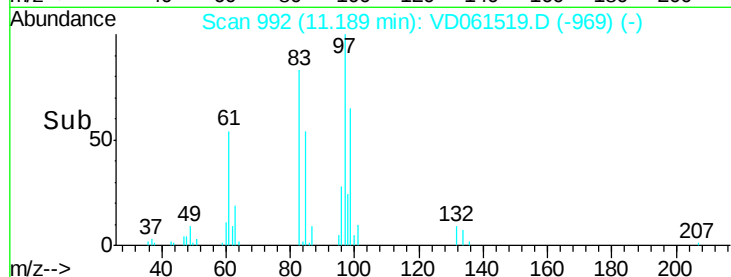
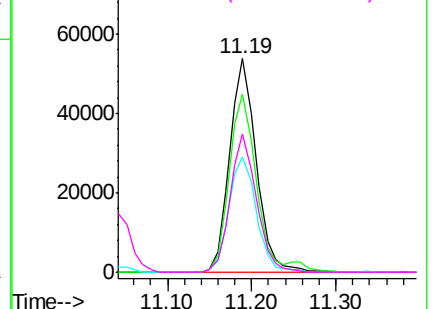
#55
 1,1,2-Trichloroethane
 Concen: 21.501 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.03 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

Tot Ion: 97 Resp: 118748
 Ion Ratio Lower Upper
 97 100
 83 83.1 67.0 100.6
 85 53.7 45.4 68.2
 99 64.9 51.9 77.9

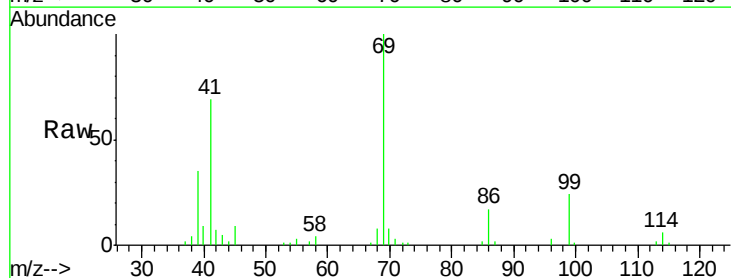


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

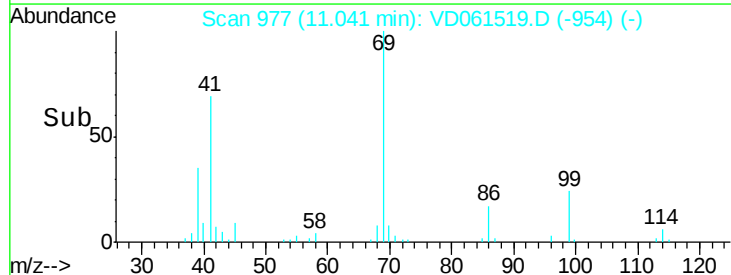
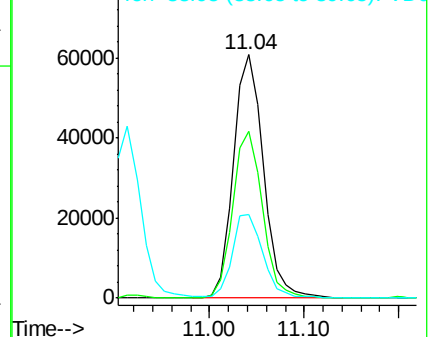


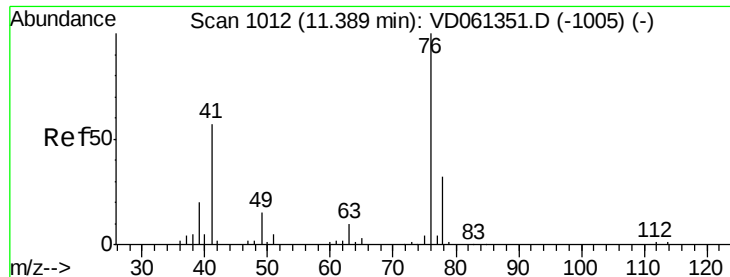
#56
 Ethyl methacrylate
 Concen: 22.481 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion: 69 Resp: 133381
 Ion Ratio Lower Upper
 69 100
 41 68.7 53.8 80.6
 39 34.6 26.4 39.6



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





#57

1,3-Dichloropropane

Concen: 24.043 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

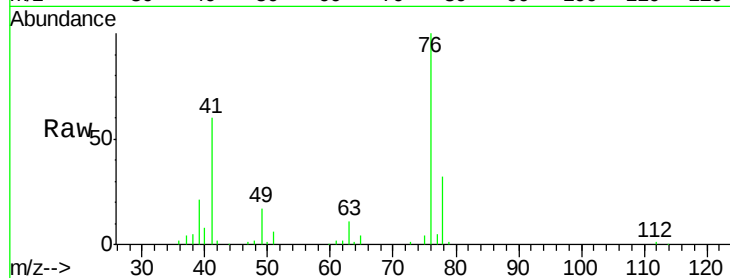
VD0402SBS02

Tot Ion: 76 Resp: 195172

Ion Ratio Lower Upper

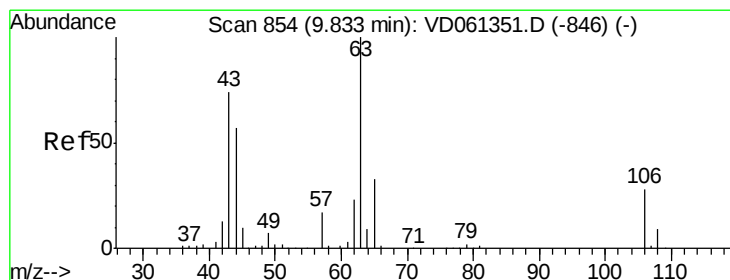
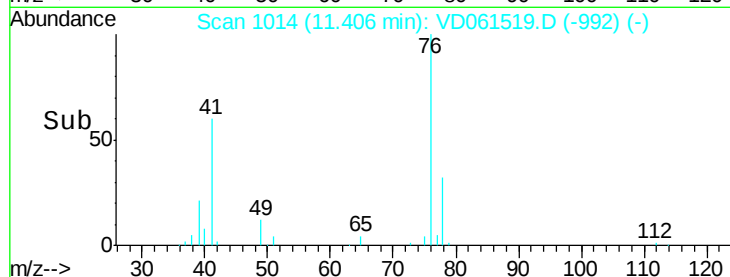
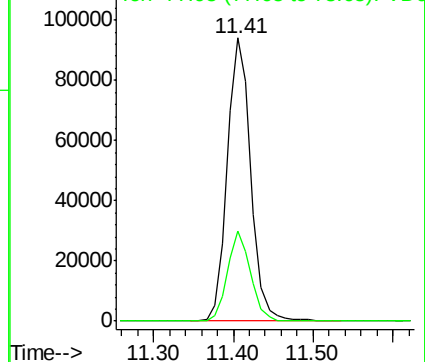
76 100

78 32.0 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: 127.711 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.03 min

Lab File: VD061519.D

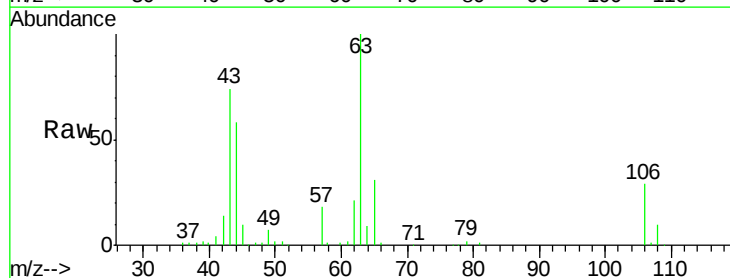
Acq: 2 Apr 2019 17:30

Tgt Ion: 63 Resp: 369004

Ion Ratio Lower Upper

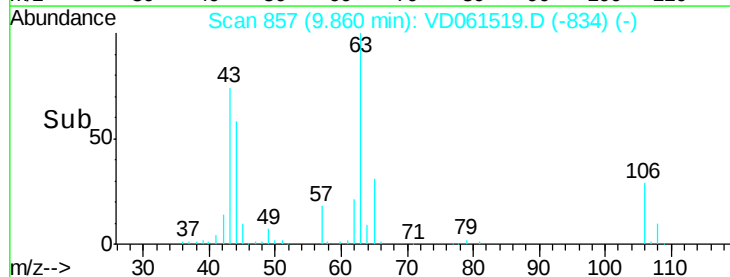
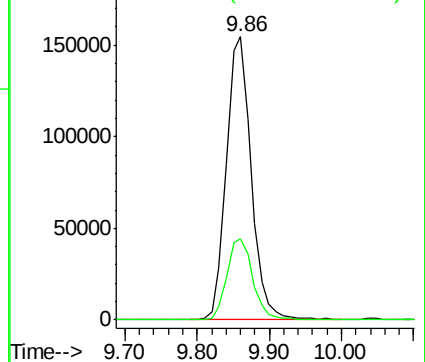
63 100

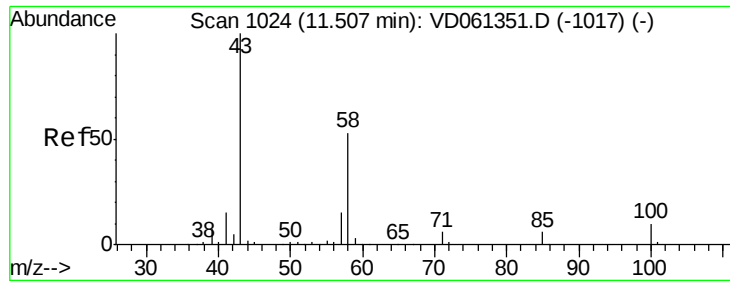
106 28.7 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

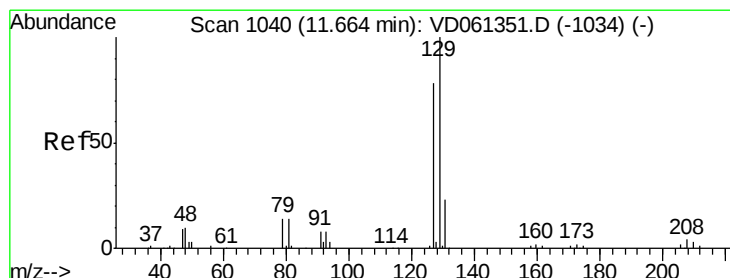
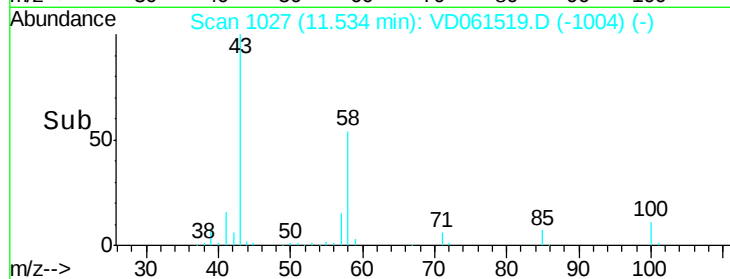
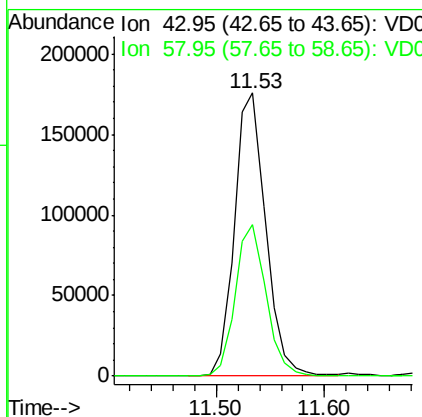
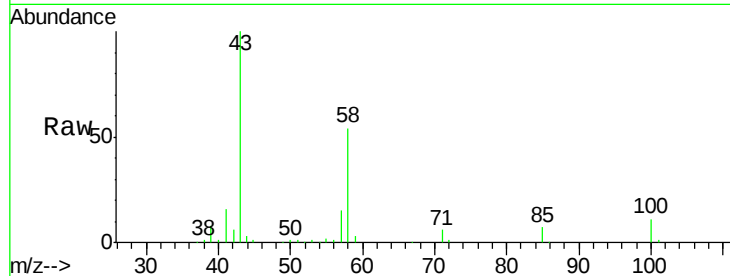




#59
2-Hexanone
Concen: 124.793 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

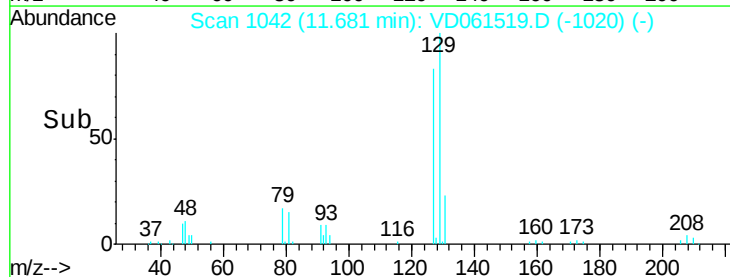
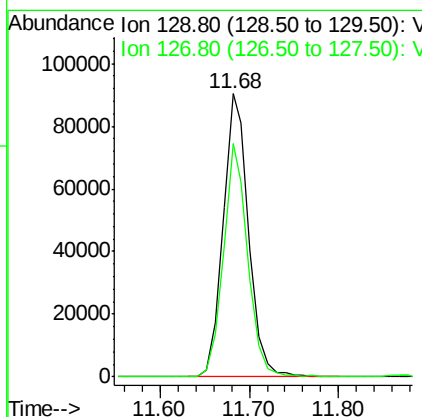
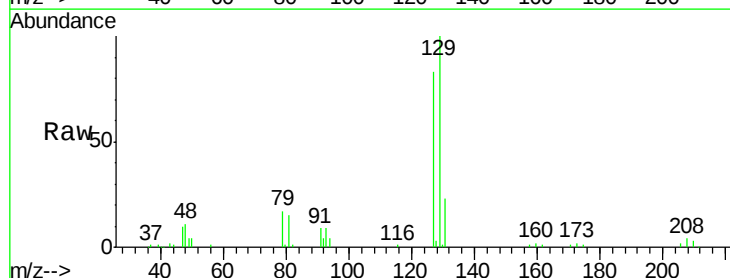
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

Tot Ion: 43 Resp: 353048
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.9



#60
Dibromochloromethane
Concen: 21.295 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 129 Resp: 181312
Ion Ratio Lower Upper
129 100
127 82.6 39.0 116.9

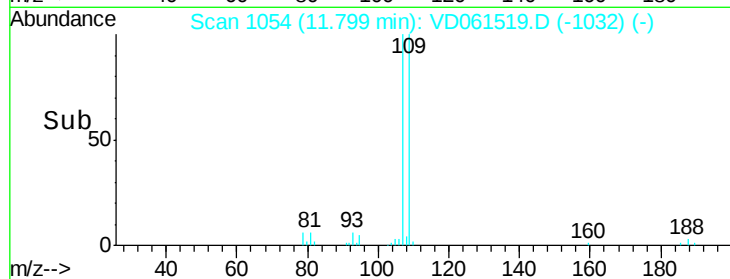
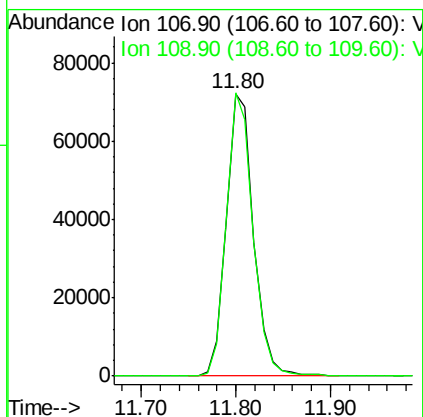
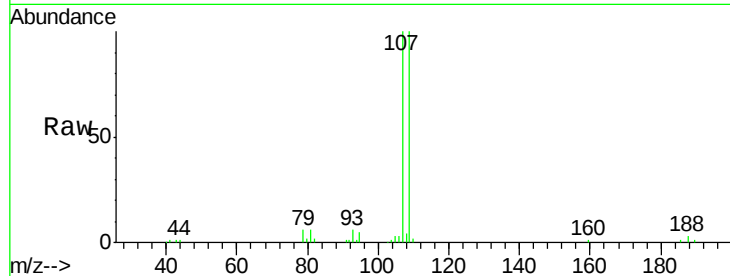




#61
 1,2-Dibromoethane
 Concen: 22.365 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

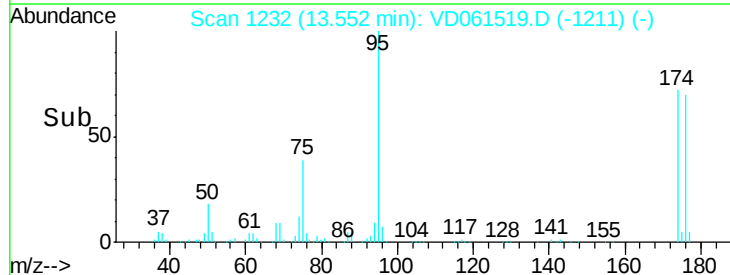
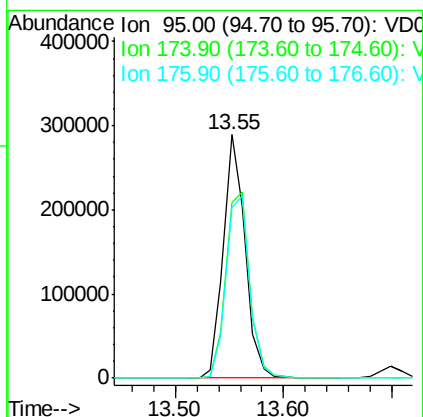
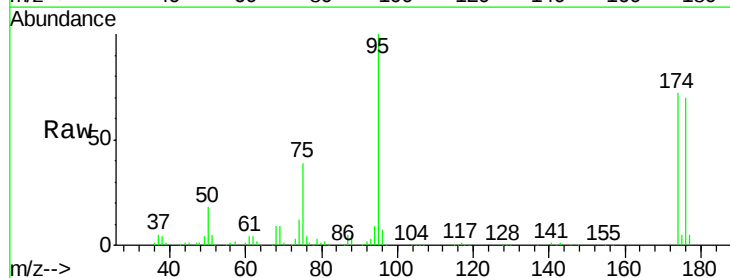
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

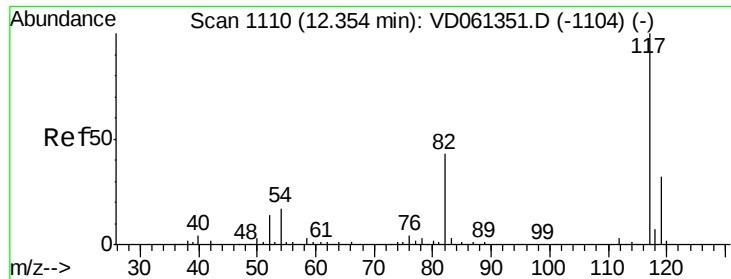
Tot Ion: 107 Resp: 143031
 Ion Ratio Lower Upper
 107 100
 109 100.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 22.365 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion: 95 Resp: 404519
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 178.0
 176 70.3 0.0 175.0

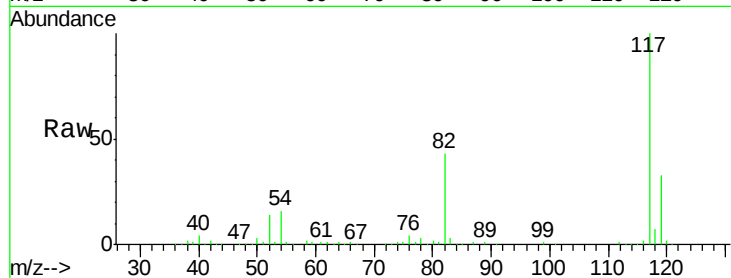




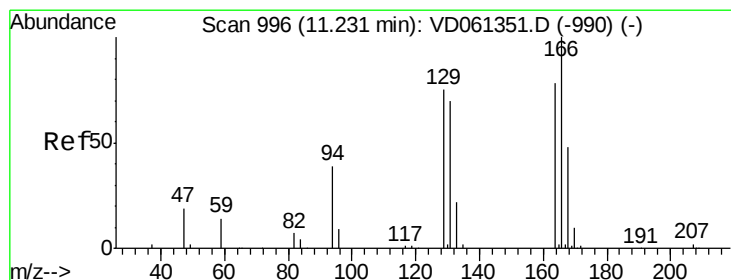
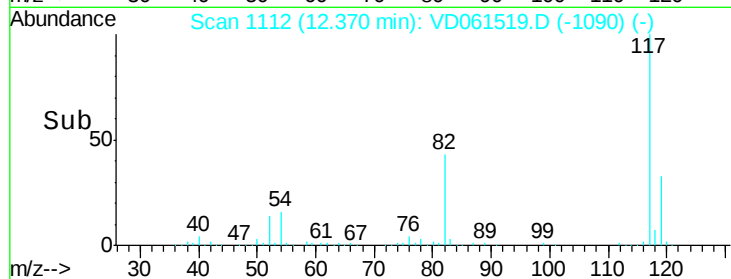
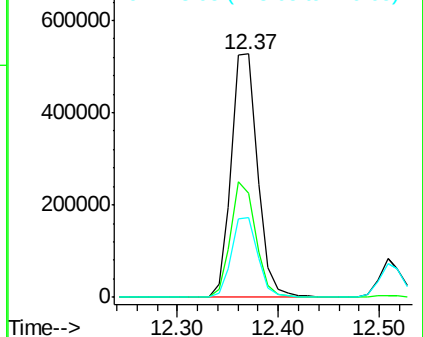
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:117 Resp: 961119
Ion Ratio Lower Upper
117 100
82 42.6 34.4 51.6
119 32.9 25.8 38.6

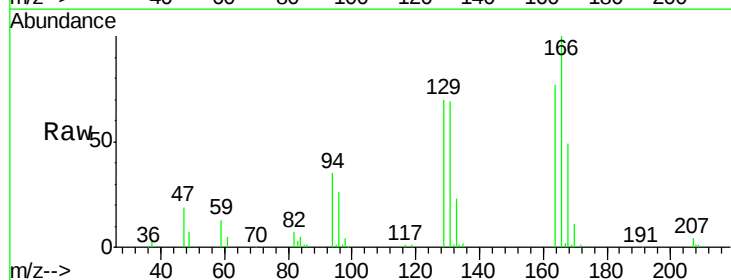


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

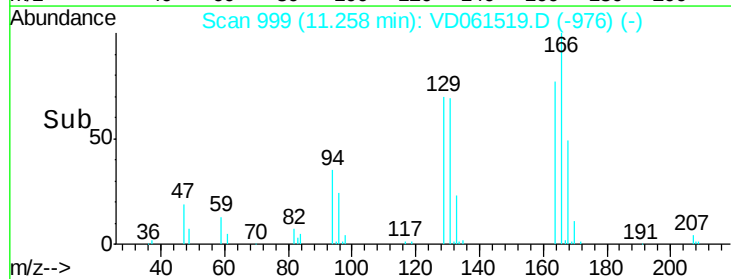
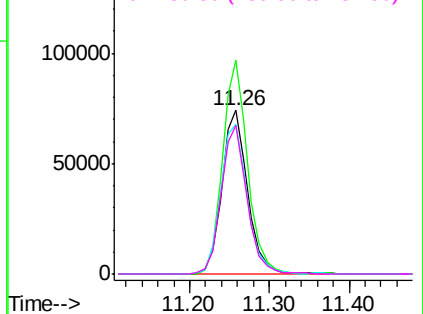


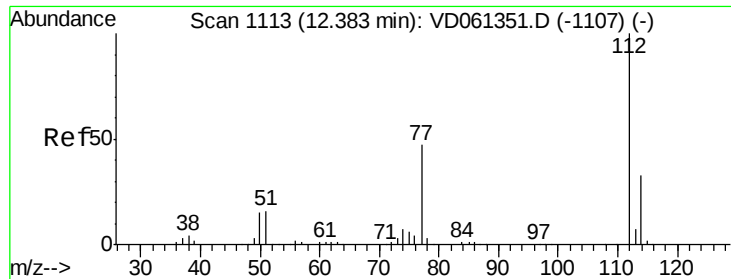
#64
Tetrachloroethene
Concen: 22.250 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion:164 Resp: 167832
Ion Ratio Lower Upper
164 100
166 130.4 102.4 153.6
129 91.1 76.8 115.2
131 90.5 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

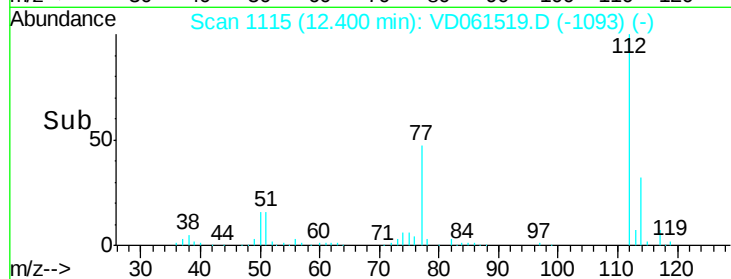
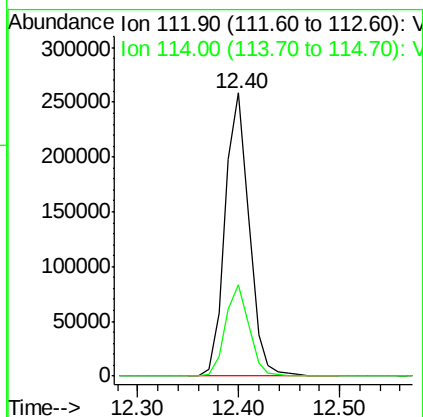
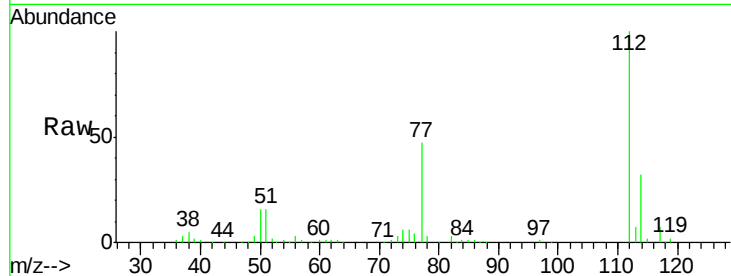




#65
Chlorobenzene
Concen: 21.716 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

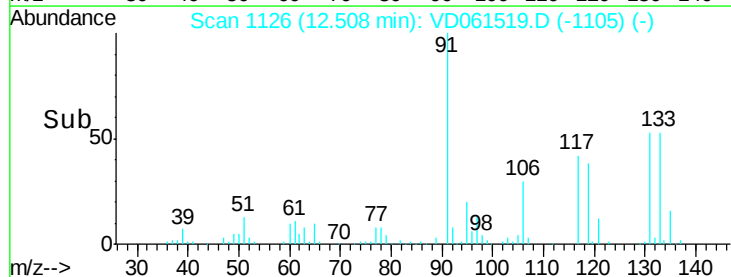
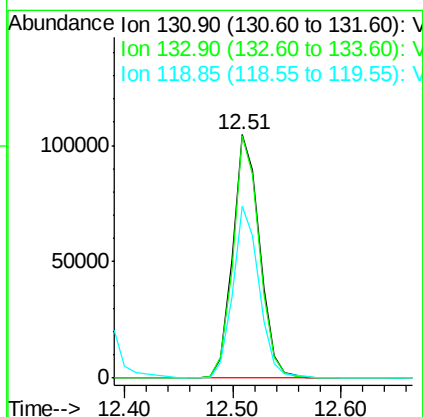
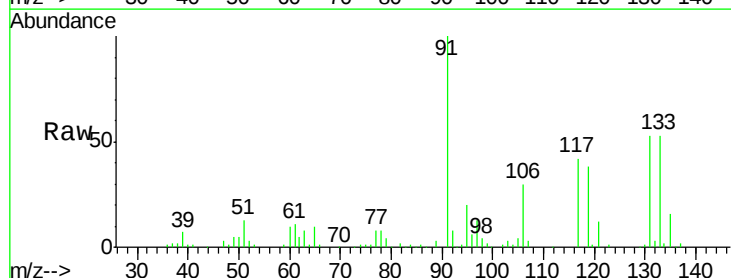
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:112 Resp: 426541
Ion Ratio Lower Upper
112 100
114 32.4 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.841 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion:131 Resp: 181315
Ion Ratio Lower Upper
131 100
133 99.4 49.4 148.2
119 70.8 34.1 102.2

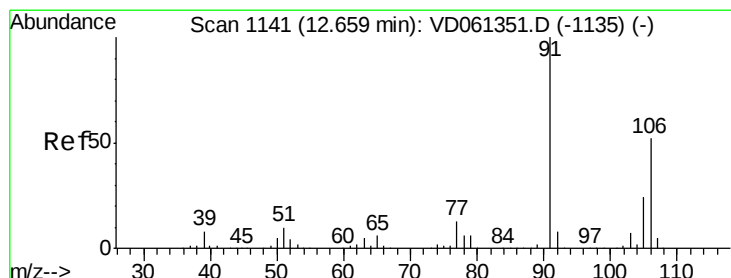
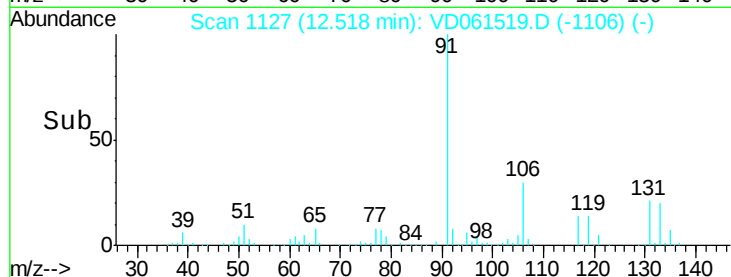
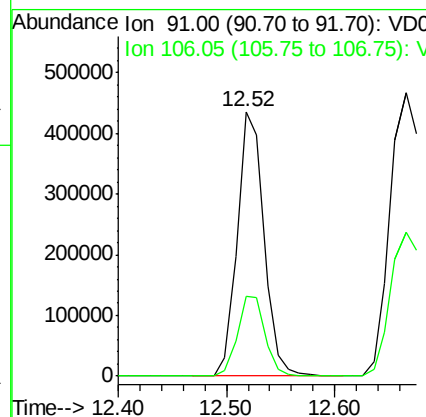
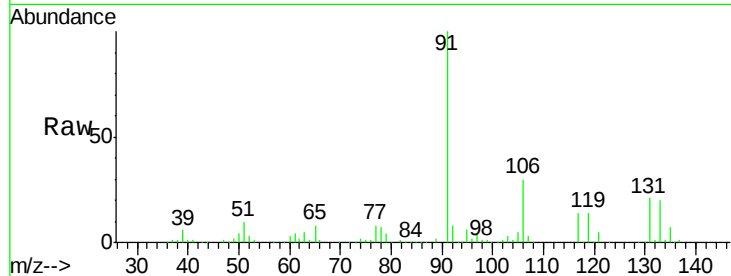




#67
Ethyl Benzene
Concen: 24.913 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

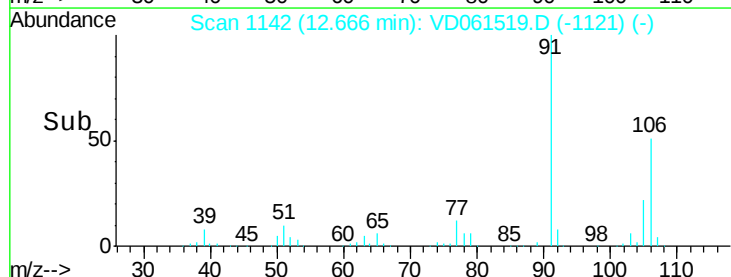
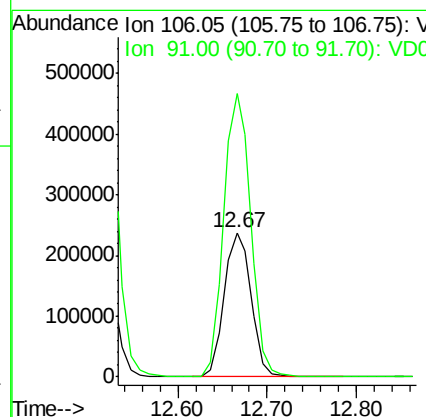
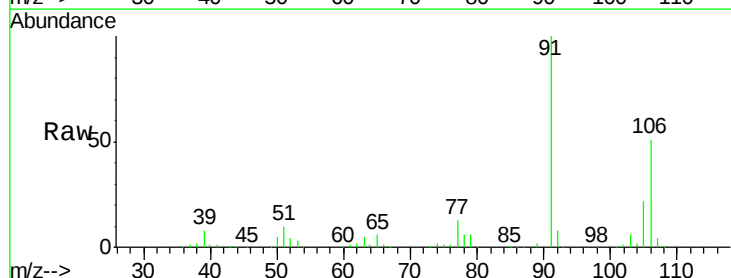
Instrument :
MSVOA_D
ClientSampleID :
VD0402SBS02

Tot Ion: 91 Resp: 746929
Ion Ratio Lower Upper
91 100
106 30.0 26.1 39.1



#68
m/p-Xylenes
Concen: 44.531 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion:106 Resp: 505733
Ion Ratio Lower Upper
106 100
91 196.3 153.1 229.7

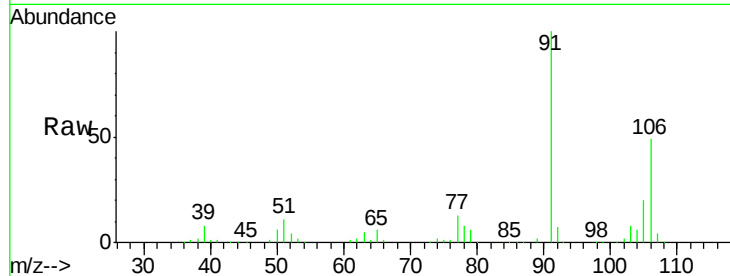




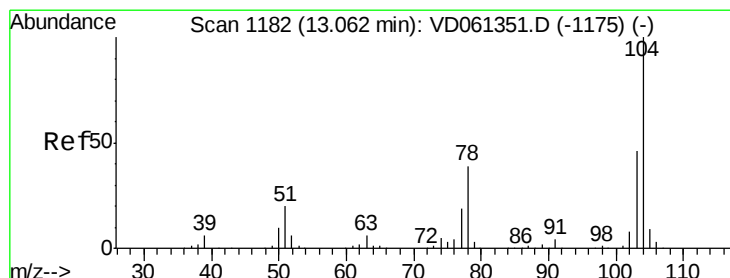
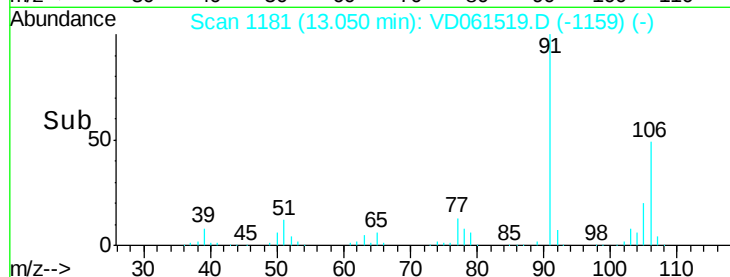
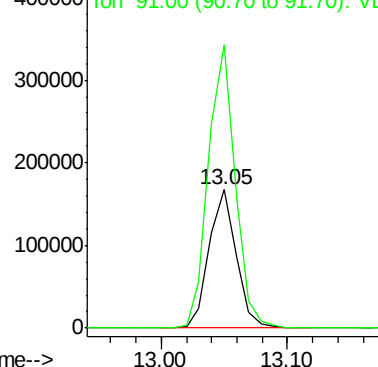
#69
o-Xylene
Concen: 22.446 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:106 Resp: 247375
Ion Ratio Lower Upper
106 100
91 204.4 103.8 311.3

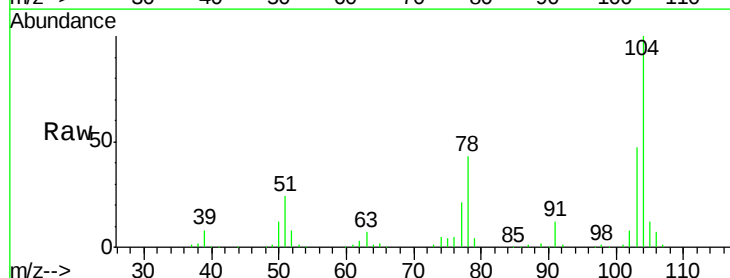


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

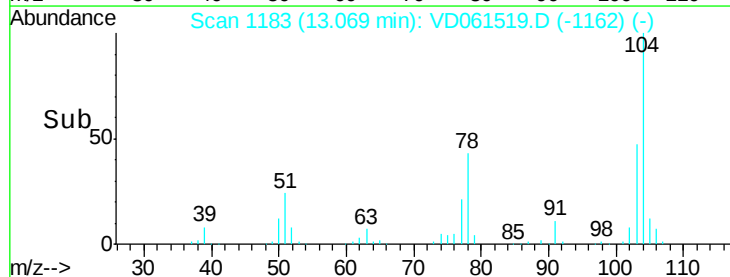
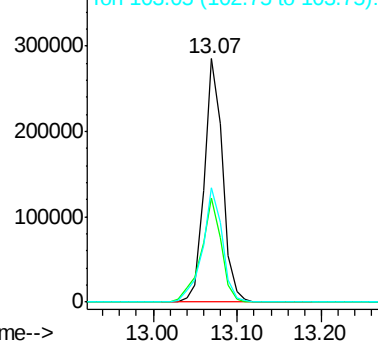


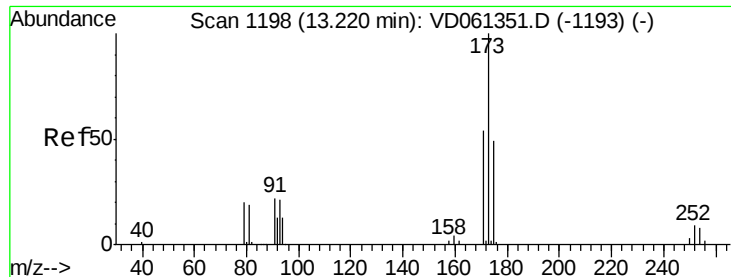
#70
Styrene
Concen: 22.297 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion:104 Resp: 428366
Ion Ratio Lower Upper
104 100
78 42.7 31.0 46.6
103 47.1 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: 19.887 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD02

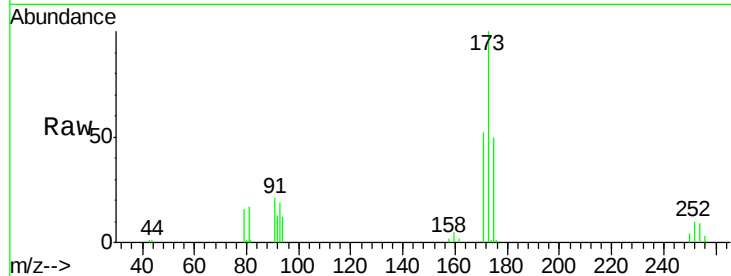
Tot Ion:173 Resp: 95874

Ion Ratio Lower Upper

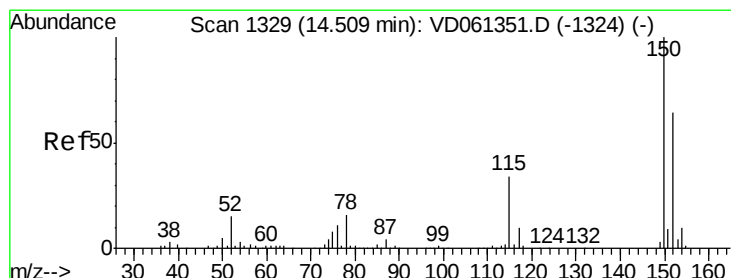
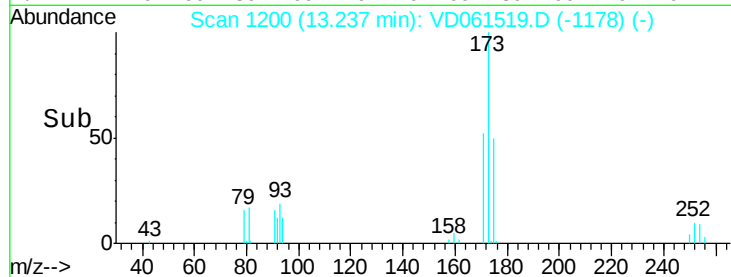
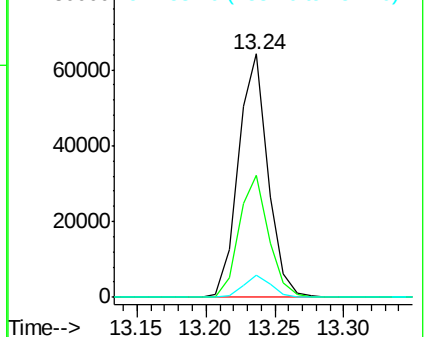
173 100

175 50.3 24.6 73.8

254 9.3 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: VD061519.D

Acq: 2 Apr 2019 17:30

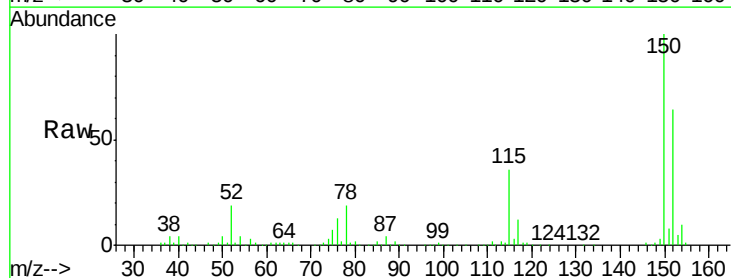
Tgt Ion:152 Resp: 461651

Ion Ratio Lower Upper

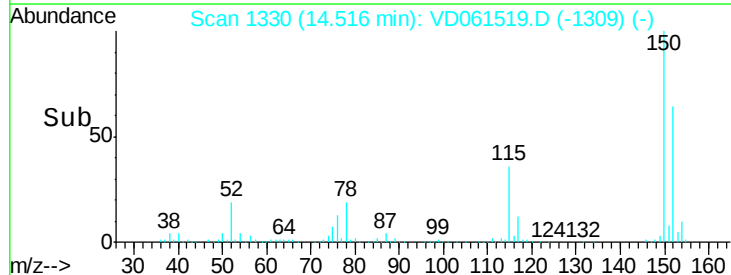
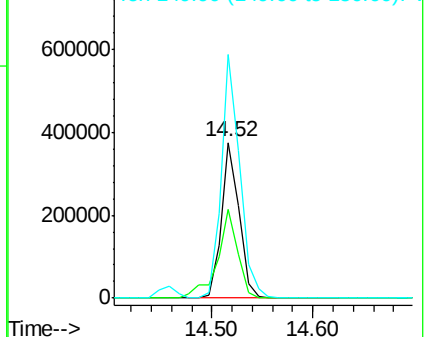
152 100

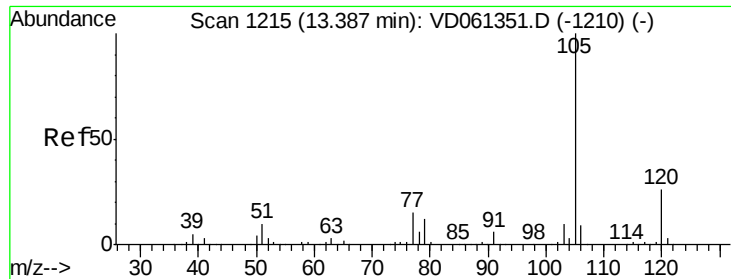
115 57.0 26.9 80.6

150 156.5 0.0 318.0



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





#73

Isopropylbenzene

Concen: 21.777 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

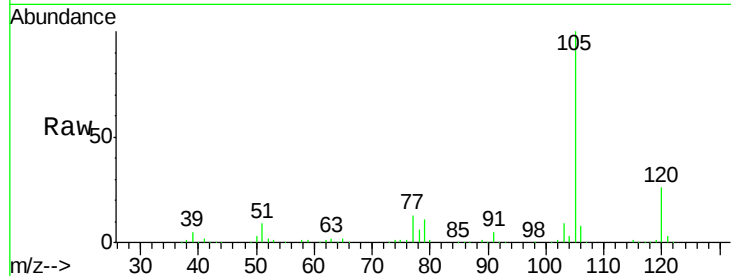
VD0402SBSD02

Tot Ion:105 Resp: 699712

Ion Ratio Lower Upper

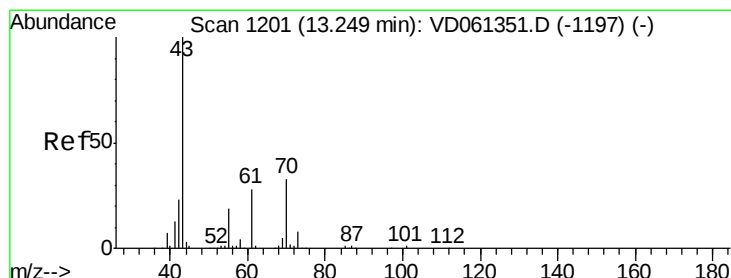
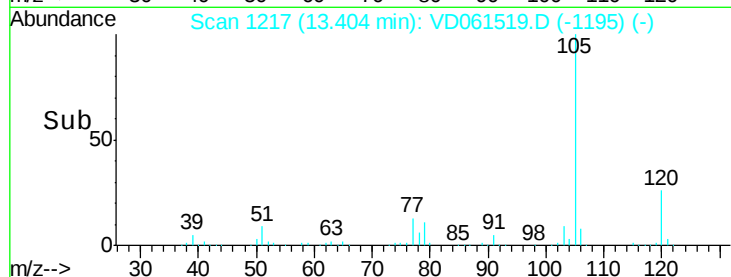
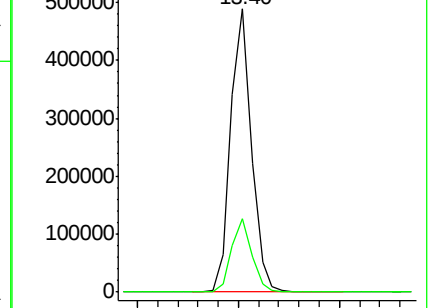
105 100

120 26.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.591 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Tgt Ion: 43 Resp: 184298

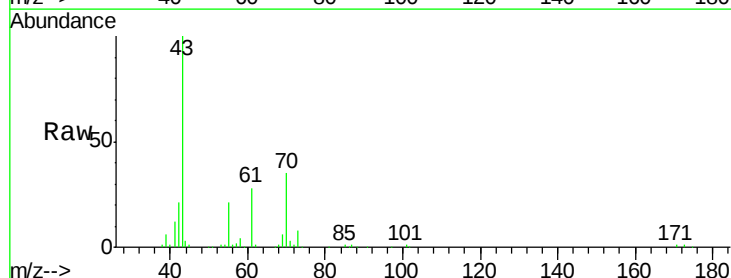
Ion Ratio Lower Upper

43 100

70 35.1 26.6 40.0

55 21.1 15.4 23.2

61 28.1 22.2 33.4

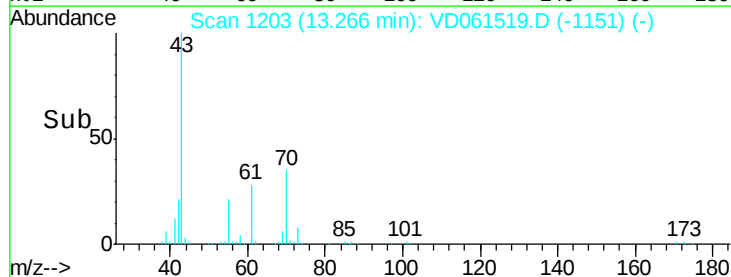
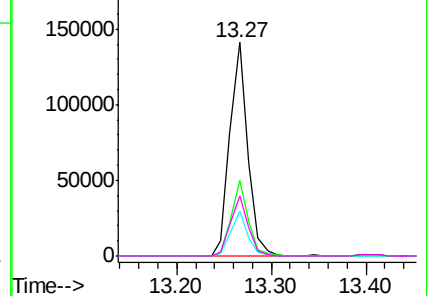


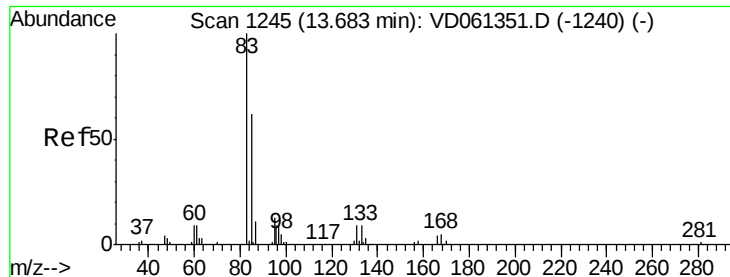
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.677 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

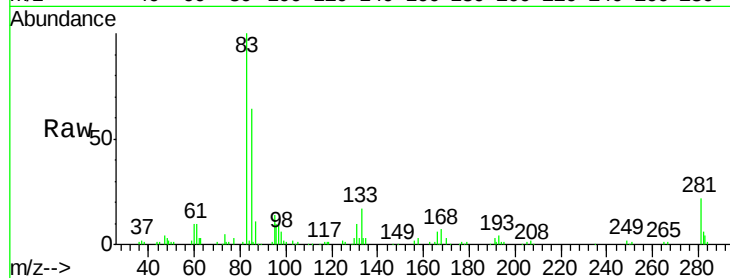
Tot Ion: 83 Resp: 140146

Ion Ratio Lower Upper

83 100

131 9.7 4.3 13.1

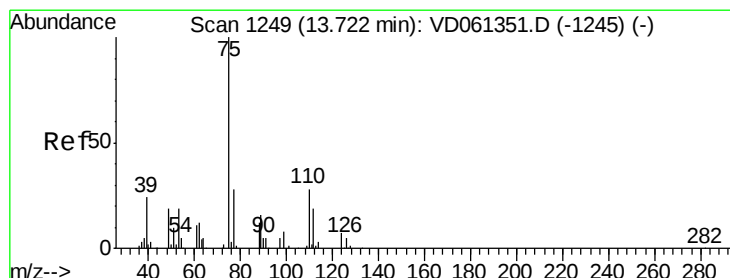
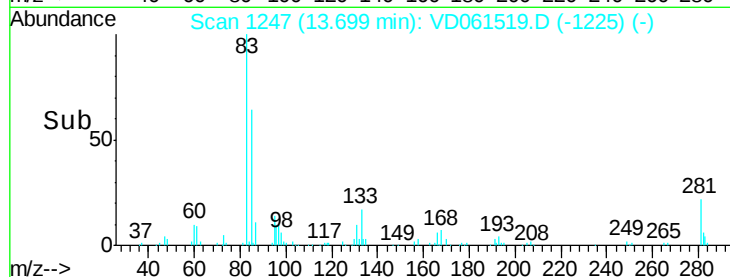
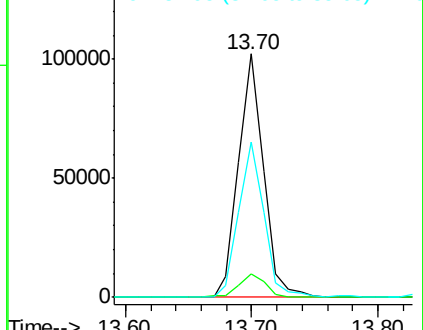
85 64.0 31.2 93.6



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: 20.926 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061519.D

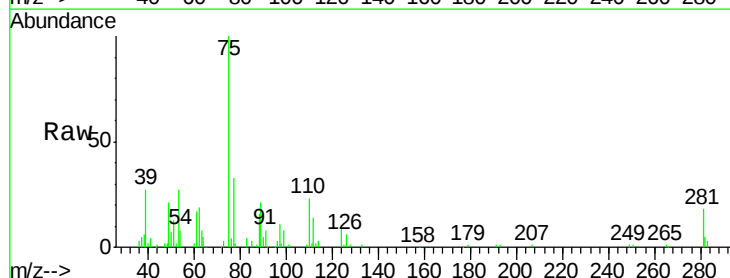
Acq: 2 Apr 2019 17:30

Tgt Ion: 75 Resp: 139549

Ion Ratio Lower Upper

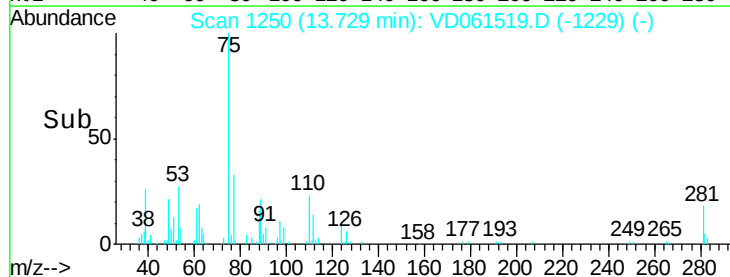
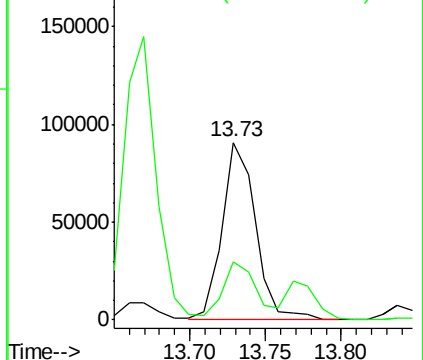
75 100

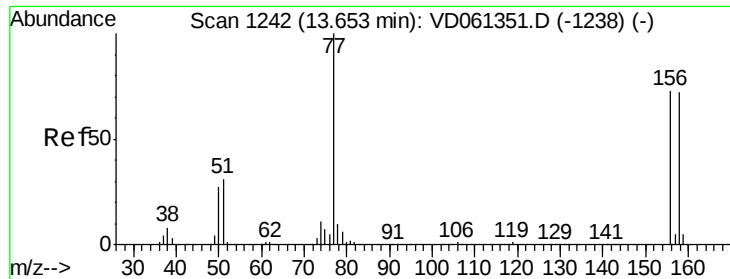
77 32.8 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.516 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD02

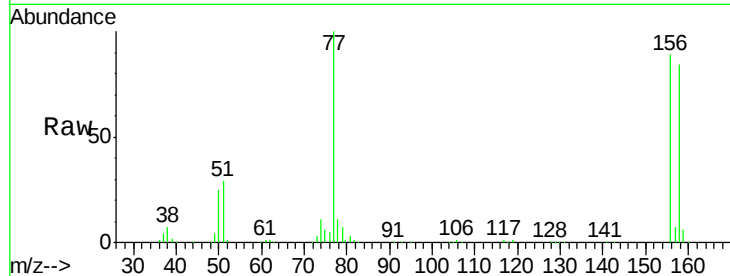
Tot Ion:156 Resp: 176367

Ion Ratio Lower Upper

156 100

77 112.9 68.5 205.6

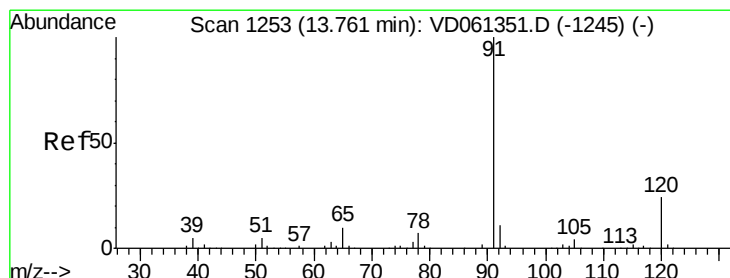
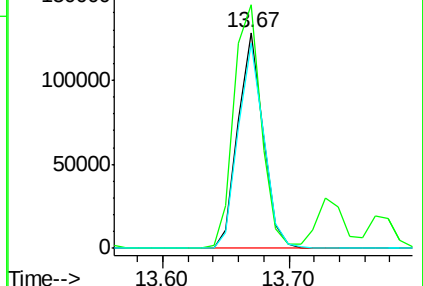
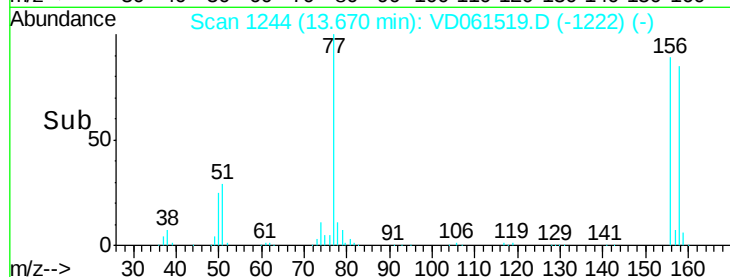
158 95.0 49.1 147.3



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: 20.586 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061519.D

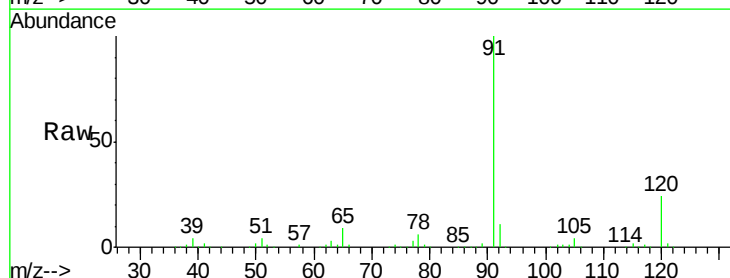
Acq: 2 Apr 2019 17:30

Tgt Ion: 91 Resp: 809452

Ion Ratio Lower Upper

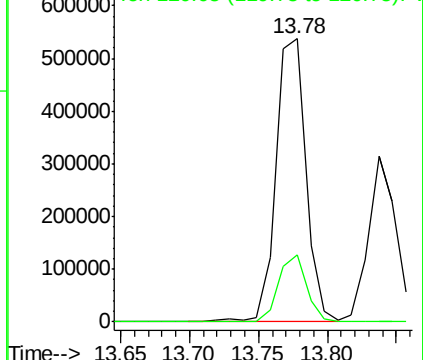
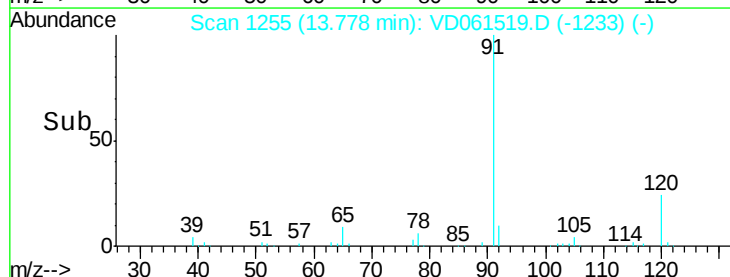
91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

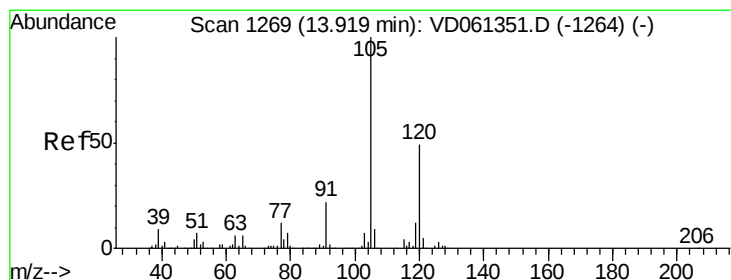
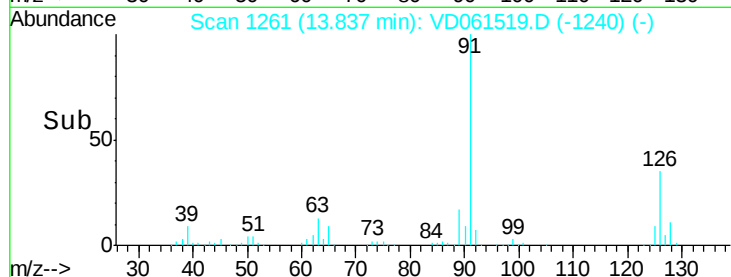
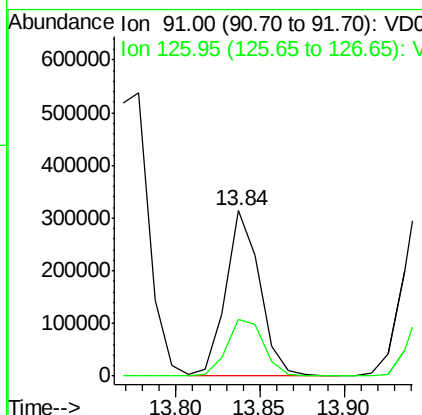
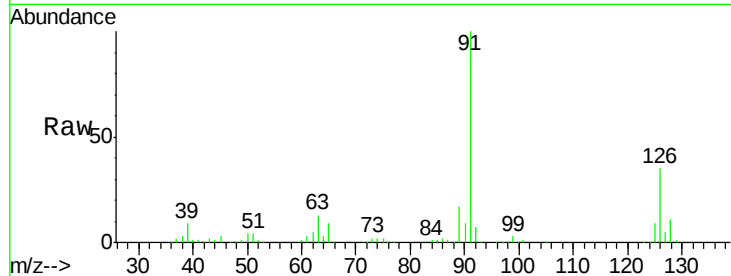




#79
2-Chlorotoluene
Concen: 20.470 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

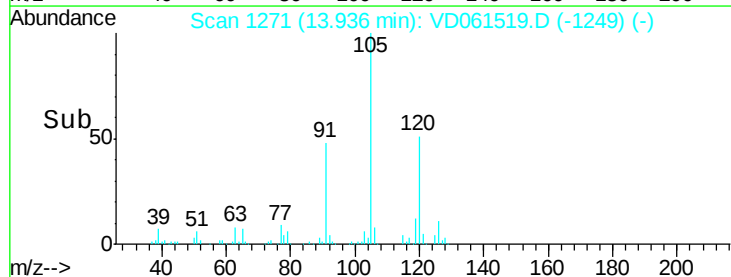
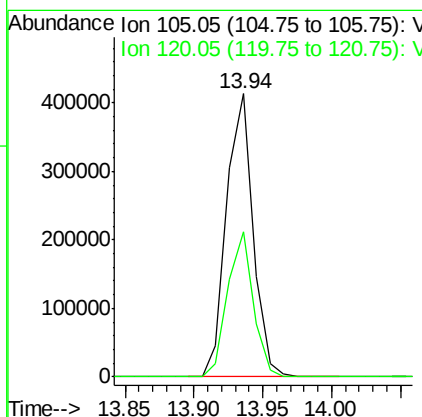
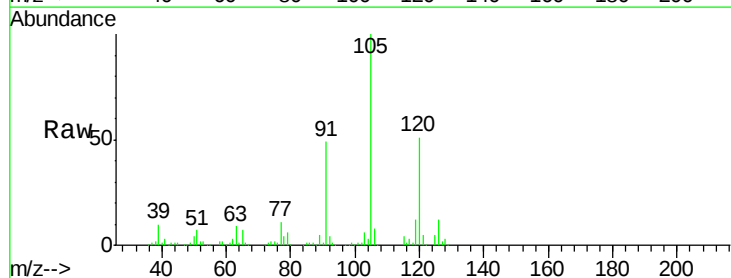
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

Tot Ion: 91 Resp: 437040
Ion Ratio Lower Upper
91 100
126 34.6 19.4 58.2



#80
1,3,5-Trimethylbenzene
Concen: 22.221 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 105 Resp: 553950
Ion Ratio Lower Upper
105 100
120 51.3 24.6 73.6

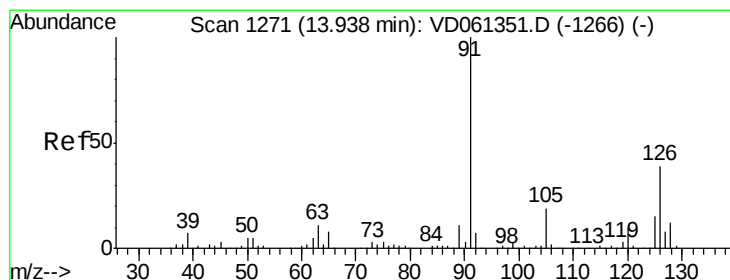
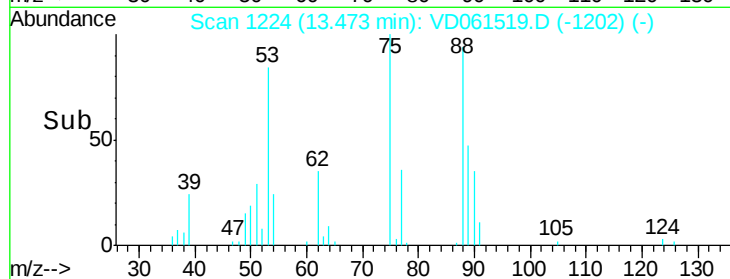
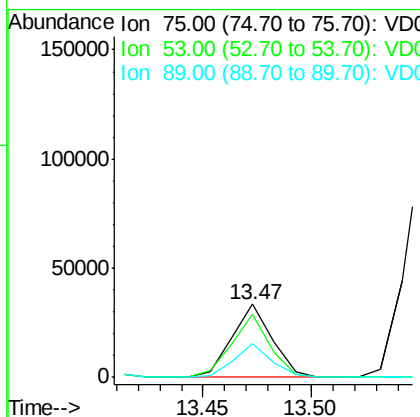
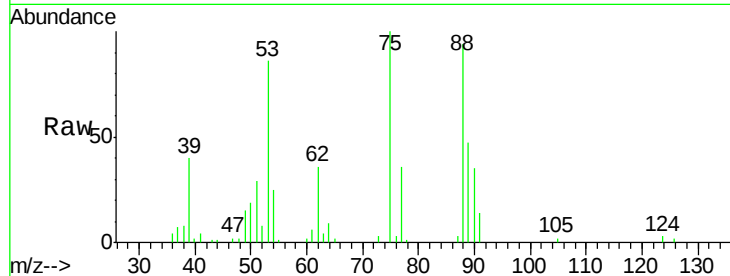




#81
trans-1,4-Dichloro-2-butene
Concen: 21.225 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.02 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

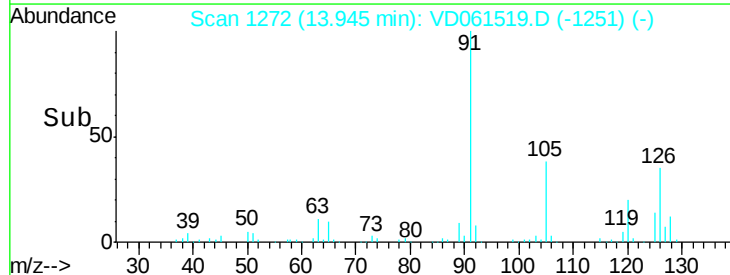
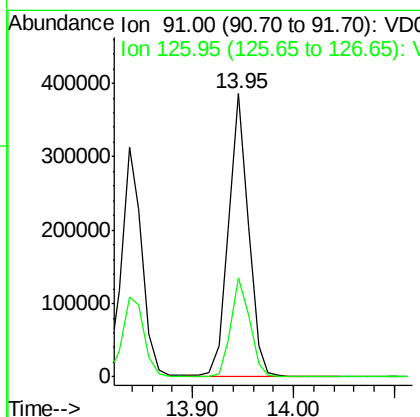
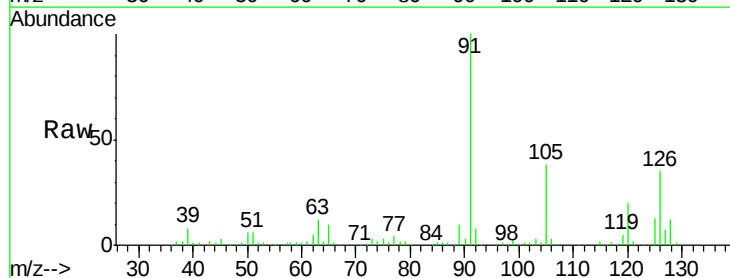
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD02

Tot Ion: 75 Resp: 43156
Ion Ratio Lower Upper
75 100
53 86.1 63.8 95.8
89 46.7 30.5 45.7#



#82
4-Chlorotoluene
Concen: 22.625 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion: 91 Resp: 525222
Ion Ratio Lower Upper
91 100
126 35.0 19.6 58.8

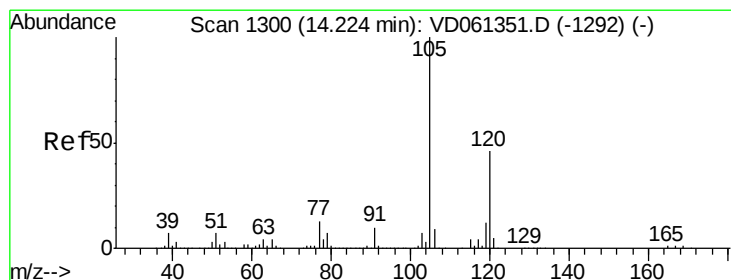
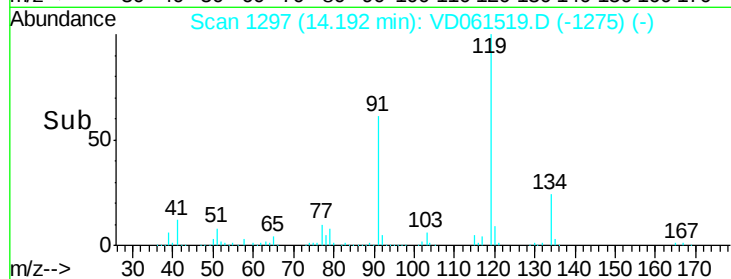
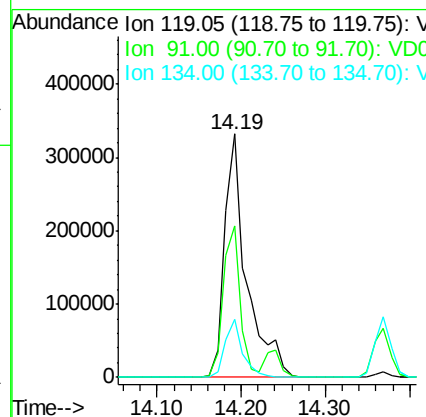
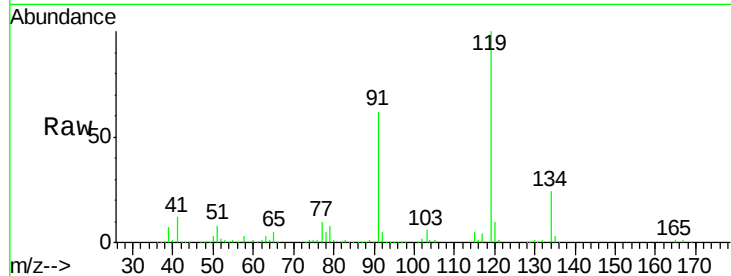




#83
 tert-Butylbenzene
 Concen: 19.420 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

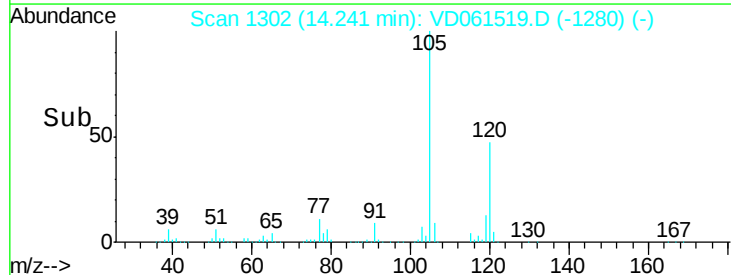
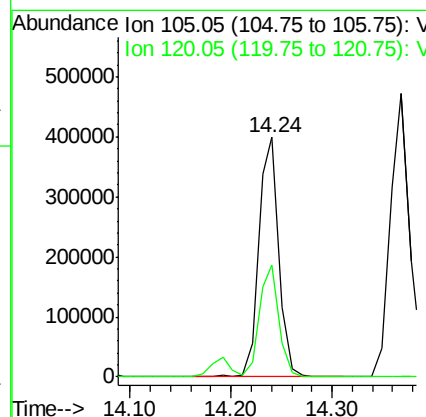
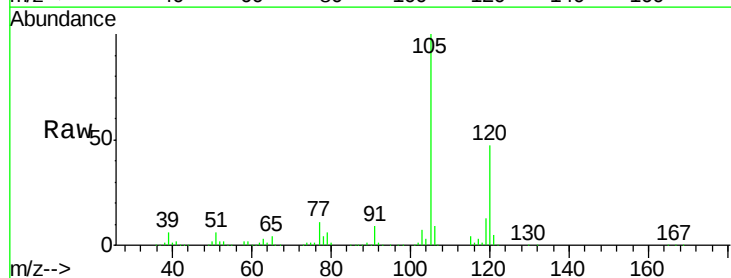
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

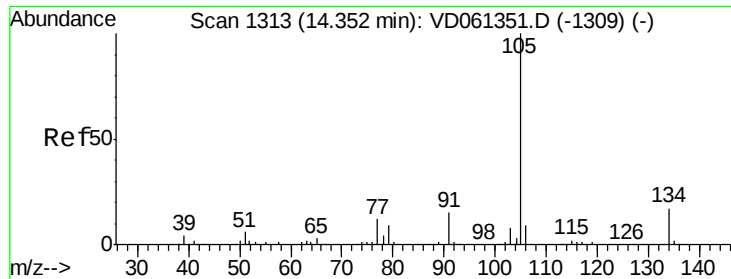
Tot Ion:119 Resp: 605047
 Ion Ratio Lower Upper
 119 100
 91 62.3 34.1 102.3
 134 23.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.518 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion:105 Resp: 553773
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 19.022 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleID :

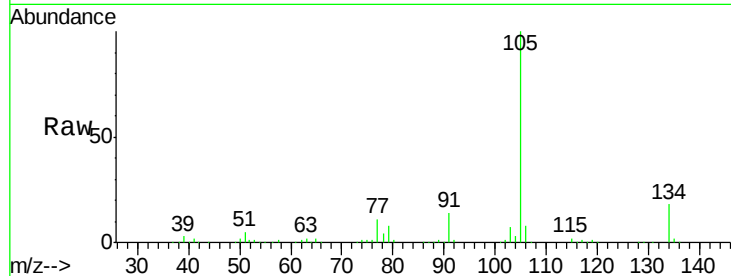
VD0402SBS02

Tot Ion:105 Resp: 629580

Ion Ratio Lower Upper

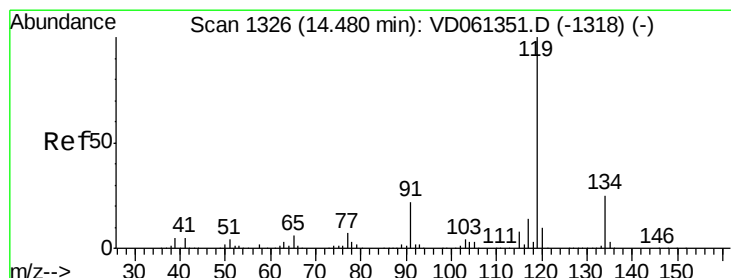
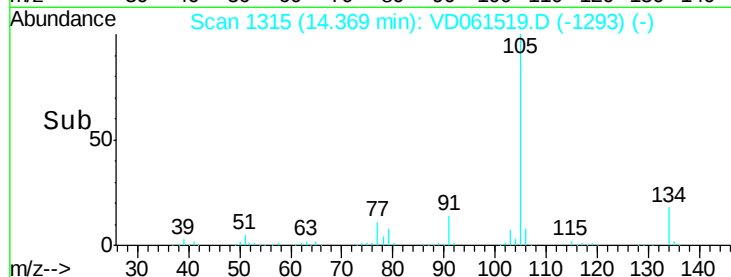
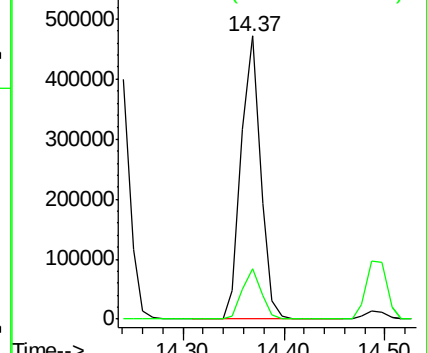
105 100

134 17.6 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.819 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

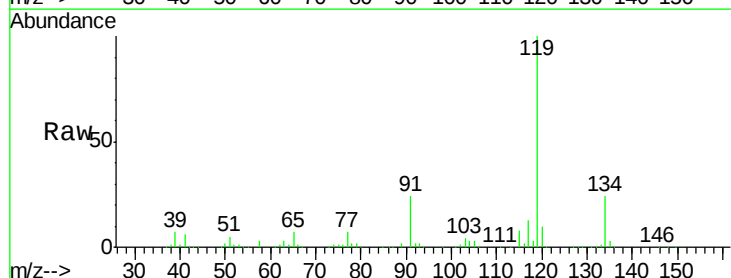
Tgt Ion:119 Resp: 582665

Ion Ratio Lower Upper

119 100

134 23.9 12.3 36.8

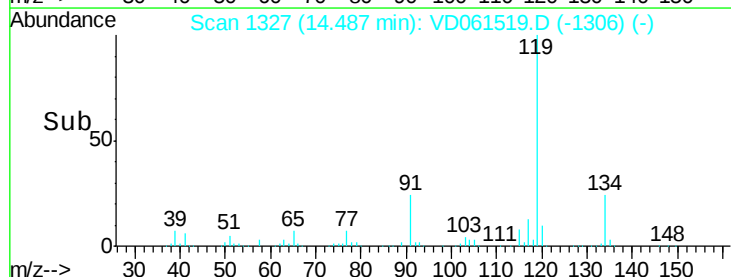
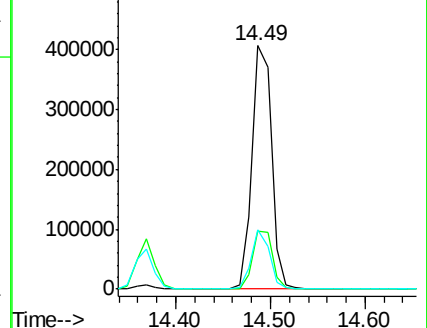
91 24.5 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

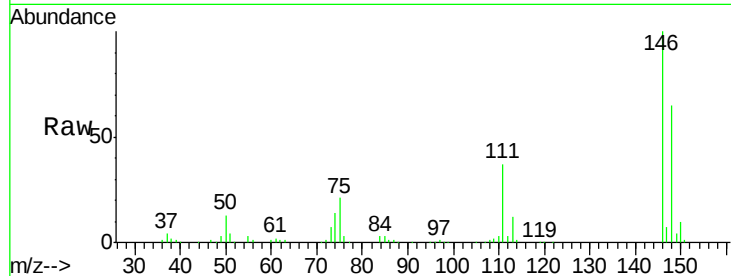




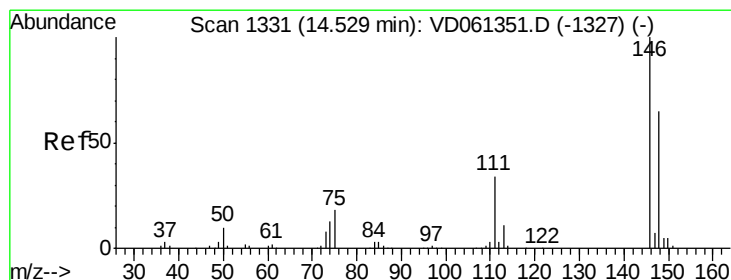
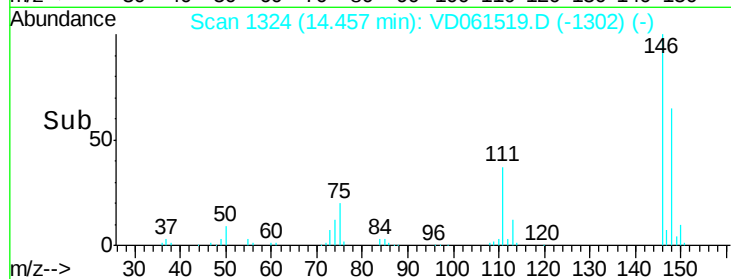
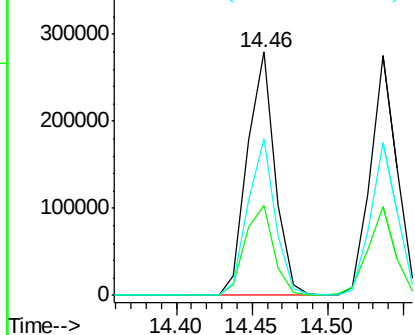
#87
 1,3-Dichlorobenzene
 Concen: 21.952 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion:146 Resp: 354082
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.6 61.9
 148 64.5 31.1 93.3

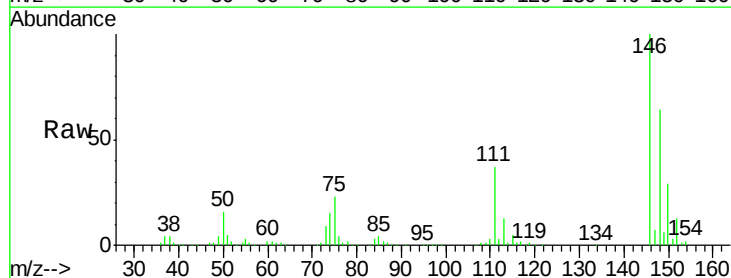


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

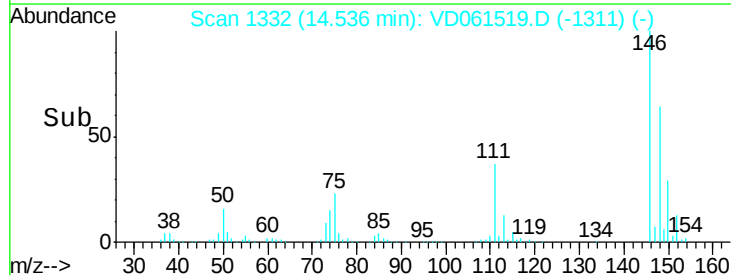
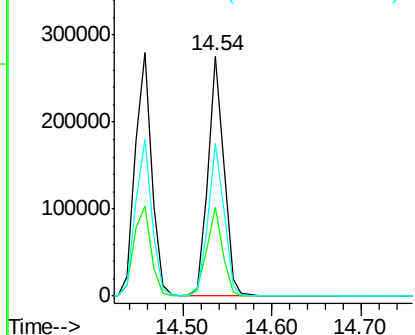


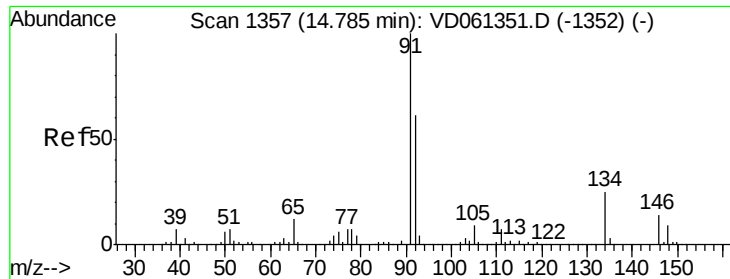
#88
 1,4-Dichlorobenzene
 Concen: 21.536 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion:146 Resp: 338770
 Ion Ratio Lower Upper
 146 100
 111 37.2 16.8 50.4
 148 63.7 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: 21.477 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061519.D

Acq: 2 Apr 2019 17:30

Instrument :

MSVOA_D

ClientSampleID :

VD0402SBS02

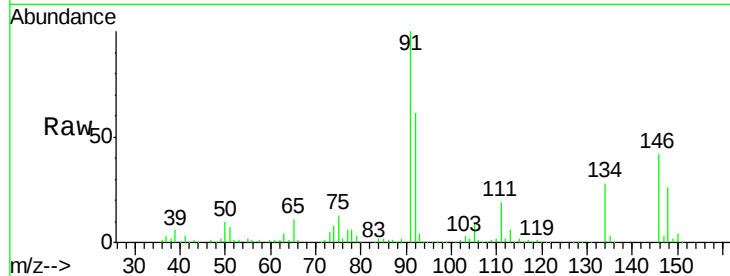
Tot Ion: 91 Resp: 551684

Ion Ratio Lower Upper

91 100

92 60.6 30.3 91.0

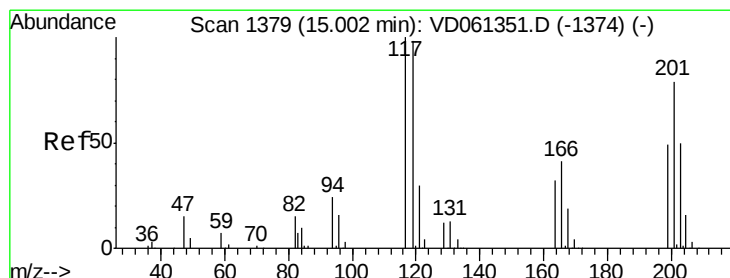
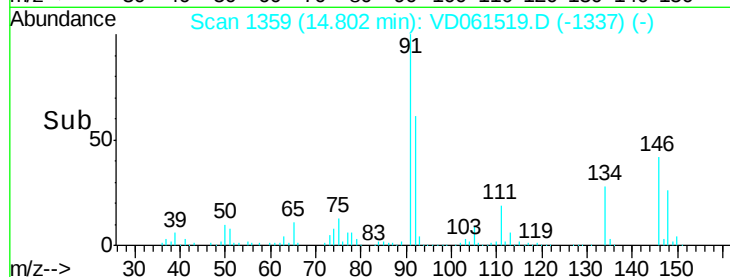
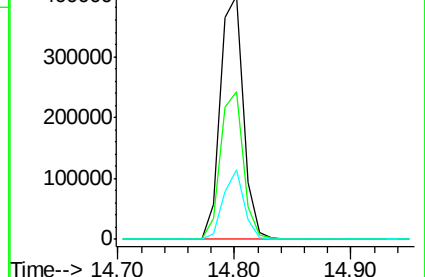
134 28.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.841 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061519.D

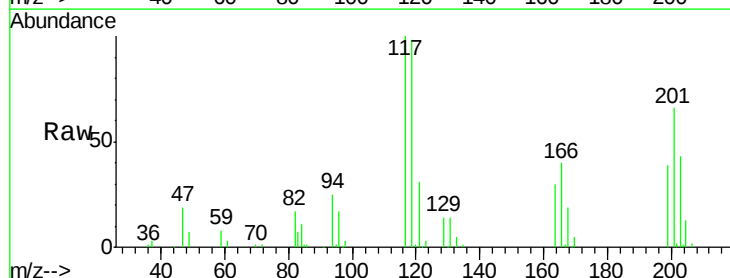
Acq: 2 Apr 2019 17:30

Tgt Ion: 117 Resp: 156872

Ion Ratio Lower Upper

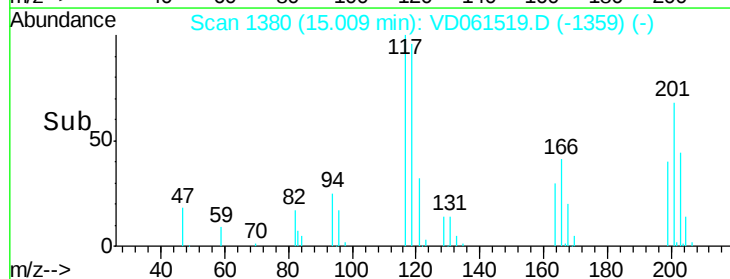
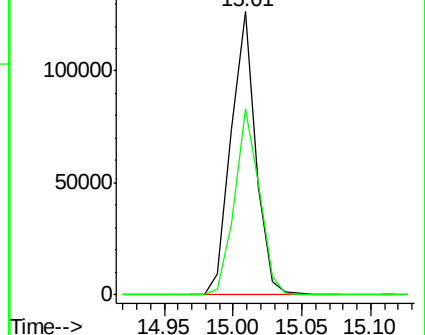
117 100

201 65.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

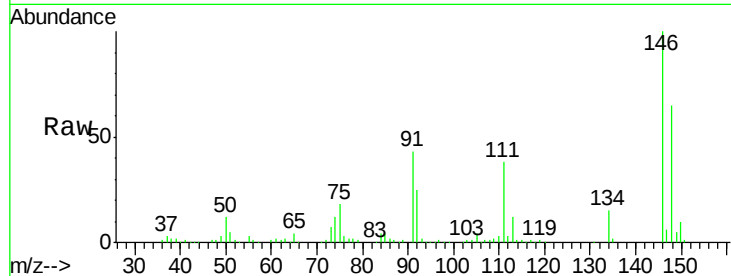




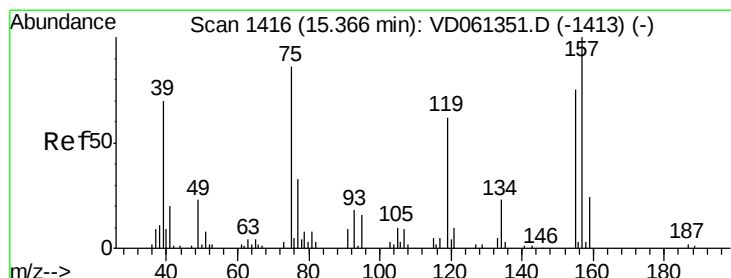
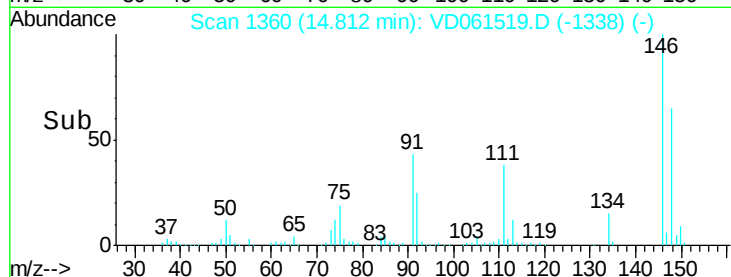
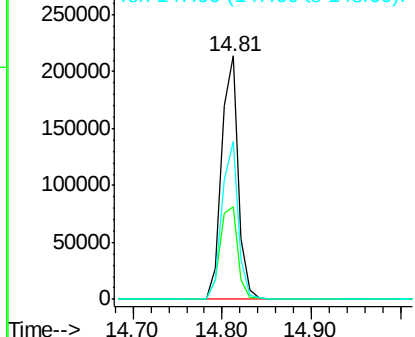
#91
 1,2-Dichlorobenzene
 Concen: 21.385 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

Tot Ion:146 Resp: 282944
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.2 63.6
 148 64.9 31.6 95.0

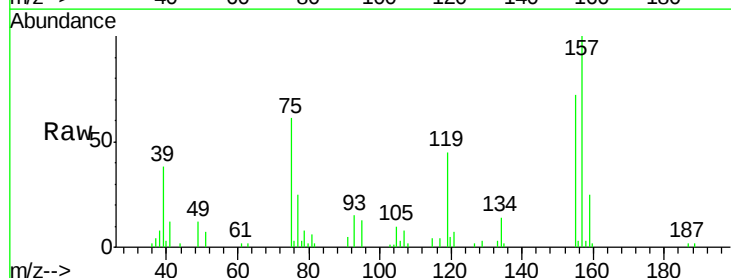


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

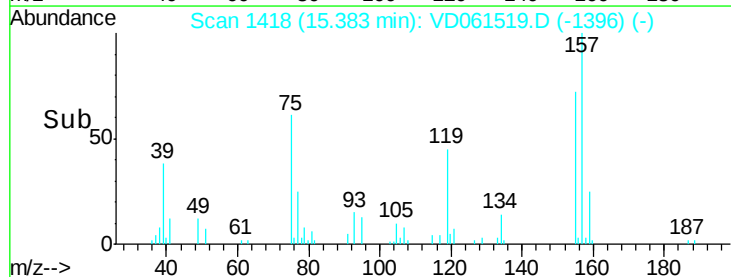
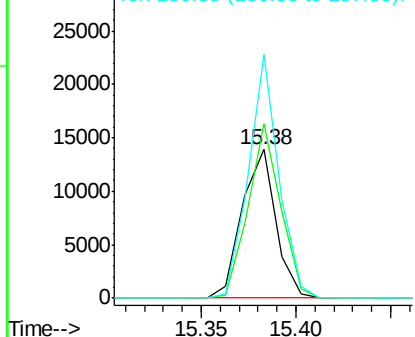


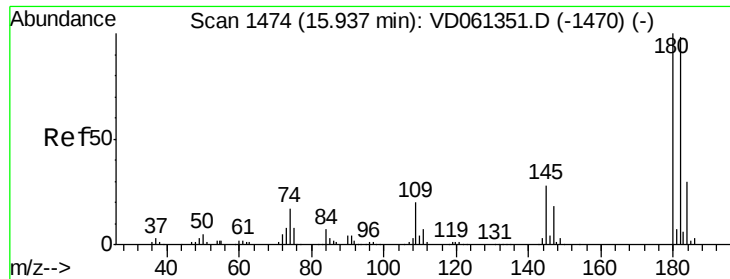
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.526 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion: 75 Resp: 17112
 Ion Ratio Lower Upper
 75 100
 155 117.8 43.6 130.9
 157 164.0 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

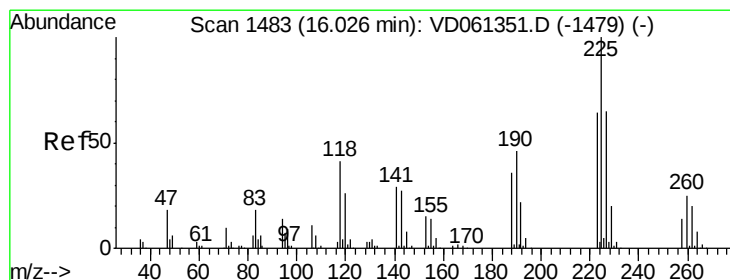
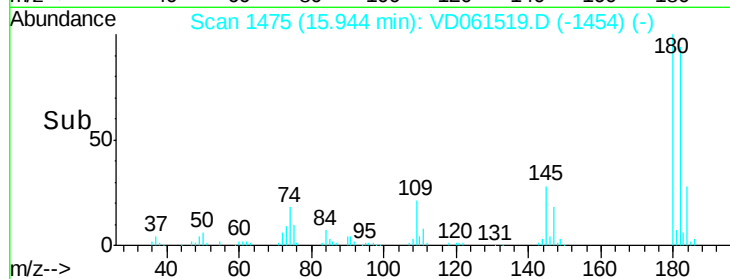
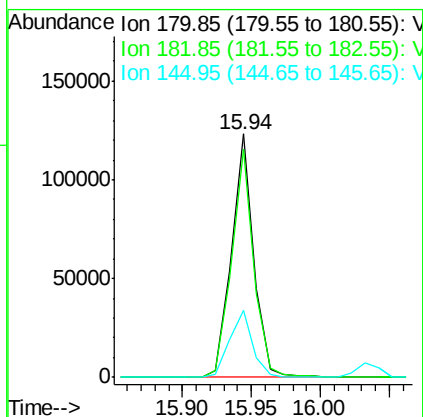
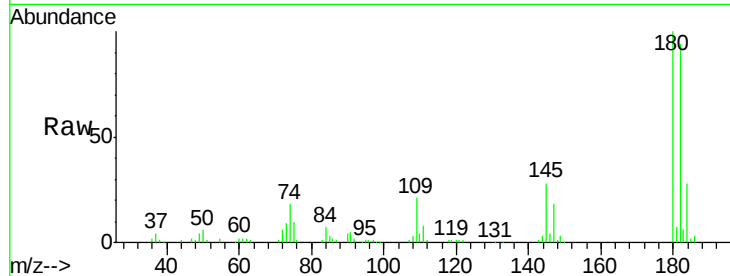




#93
 1,2,4-Trichlorobenzene
 Concen: 22.817 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

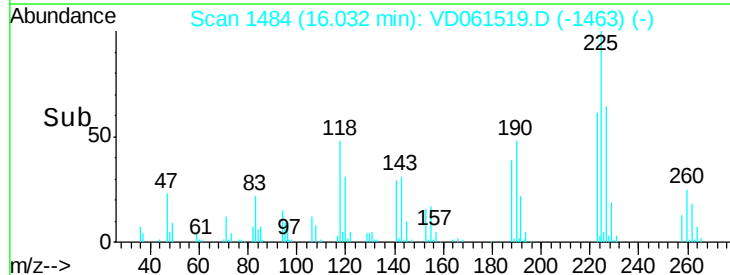
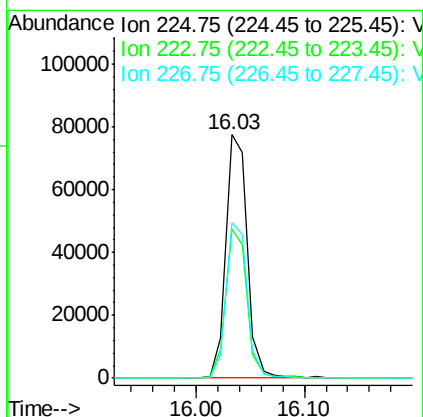
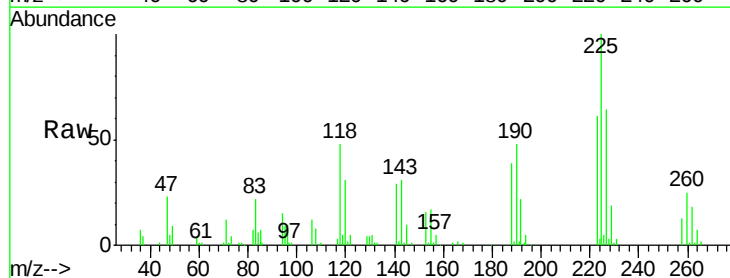
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD02

Tot Ion:180 Resp: 137520
 Ion Ratio Lower Upper
 180 100
 182 93.5 48.9 146.8
 145 27.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 22.646 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061519.D
 Acq: 2 Apr 2019 17:30

Tgt Ion:225 Resp: 106655
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.0 96.0
 227 63.7 32.4 97.2

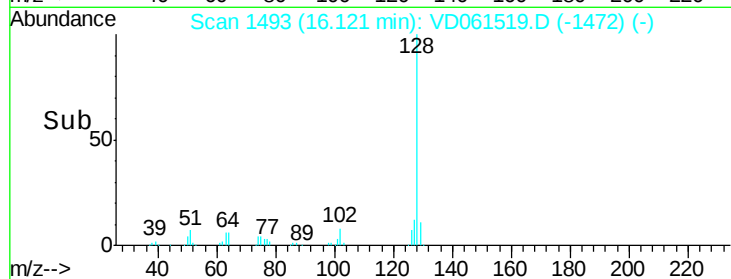
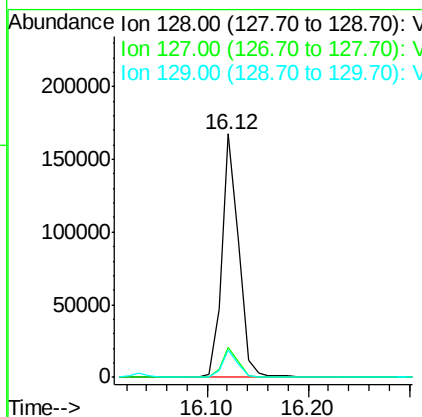
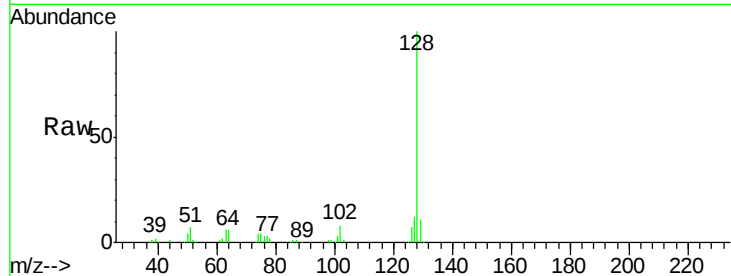




#95
Naphthalene
Concen: 21.263 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:128 Resp: 195339
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.832 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061519.D
Acq: 2 Apr 2019 17:30

Tgt Ion:180 Resp: 57903
Ion Ratio Lower Upper
180 100
182 94.2 46.4 139.1
145 29.9 15.3 45.9

