

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061082.D
 Acq On : 15 Mar 2019 12:58
 Operator : VA/AP
 Sample : VD0315SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Quant Time: Mar 16 05:41:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	690481	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1209056	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	1036834	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	447739	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	264811	46.07	ug/l	0.03
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	6.95	113	428408	47.75	ug/l	0.03
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.43	98	1053237	46.74	ug/l	0.03
Spiked Amount			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	13.57	95	420347	48.08	ug/l	0.02
Spiked Amount			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	129707	18.964	ug/l	99
3) Chloromethane	1.77	50	112792	19.796	ug/l	98
4) Vinyl Chloride	1.86	62	103669	19.691	ug/l	99
5) Bromomethane	2.17	94	17379	15.995	ug/l	83
6) Chloroethane	2.28	64	29046	18.432	ug/l #	83
7) Trichlorofluoromethane	2.54	101	139827	18.488	ug/l	99
8) Diethyl Ether	2.90	74	53787	21.558	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.17	101	169069	19.995	ug/l	97
10) Methyl Iodide	3.33	142	203782	19.407	ug/l	98
11) Tert butyl alcohol	4.09	59	38006	103.871	ug/l	96
12) 1,1-Dichloroethene	3.15	96	140523	20.275	ug/l	90
13) Acrolein	3.05	56	39994	75.544	ug/l	94
14) Allyl chloride	3.65	41	211619	19.083	ug/l	99
15) Acrylonitrile	4.22	53	130892	101.217	ug/l	95
16) Acetone	3.24	43	158695	96.557	ug/l	99
17) Carbon Disulfide	3.40	76	427146	18.269	ug/l	98
18) Methyl Acetate	3.67	43	61232	18.931	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	256247	21.096	ug/l	98
20) Methylene Chloride	3.84	84	171756	20.134	ug/l	96
21) trans-1,2-Dichloroethene	4.25	96	149734	19.959	ug/l	89
22) Diisopropyl ether	5.15	45	438119	19.031	ug/l	99
23) Vinyl Acetate	5.08	43	1182170	100.034	ug/l	100
24) 1,1-Dichloroethane	5.01	63	247164	19.596	ug/l	99
25) 2-Butanone	6.10	43	195065	104.595	ug/l	100
26) 2,2-Dichloropropane	6.06	77	203716	20.689	ug/l	95
27) cis-1,2-Dichloroethene	6.07	96	173510	21.799	ug/l	94
28) Bromochloromethane	6.47	49	103246	19.335	ug/l	95
29) Tetrahydrofuran	6.48	42	100257	99.002	ug/l	98
30) Chloroform	6.69	83	257410	19.691	ug/l	97
31) Cyclohexane	6.98	56	191944	18.873	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	223080	19.738	ug/l	98
36) 1,1-Dichloropropene	7.18	75	186751	17.919	ug/l	96
37) Ethyl Acetate	6.20	43	89251	18.249	ug/l	99
38) Carbon Tetrachloride	7.14	117	213699	18.615	ug/l	94

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	194893	18.034	ug/l	97
40) Benzene	7.48	78	473203	18.171	ug/l	99
41) Methacrylonitrile	6.47	41	110326	19.612	ug/l #	98
42) 1,2-Dichloroethane	7.60	62	139703	18.486	ug/l	99
43) Isopropyl Acetate	9.26	43	125355	18.506	ug/l #	97
44) Trichloroethene	8.57	130	188321	20.961	ug/l	98
45) 1,2-Dichloropropane	8.96	63	122662	17.929	ug/l	94
46) Dibromomethane	9.09	93	81035	18.672	ug/l	94
47) Bromodichloromethane	9.40	83	189076	19.307	ug/l	97
48) Methyl methacrylate	9.15	41	74643	19.572	ug/l	95
49) 1,4-Dioxane	9.11	88	15562	403.529	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	398568	96.046	ug/l	96
52) Toluene	10.53	92	332568	20.537	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	175401	19.587	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	203483	18.912	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	109456	20.297	ug/l	97
56) Ethyl methacrylate	11.06	69	107722	19.084	ug/l	99
57) 1,3-Dichloropropane	11.43	76	161862	20.085	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	279172	93.434	ug/l	96
59) 2-Hexanone	11.55	43	277233	91.330	ug/l	97
60) Dibromochloromethane	11.70	129	155908	19.644	ug/l	98
61) 1,2-Dibromoethane	11.83	107	119590	19.063	ug/l	96
64) Tetrachloroethene	11.27	164	127947	18.281	ug/l	99
65) Chlorobenzene	12.42	112	409947	20.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	156142	21.551	ug/l	96
67) Ethyl Benzene	12.53	91	627370	20.732	ug/l	99
68) m/p-Xylenes	12.68	106	449124	37.814	ug/l	99
69) o-Xylene	13.07	106	223592	19.152	ug/l	96
70) Styrene	13.09	104	358178	18.788	ug/l	99
71) Bromoform	13.24	173	93404	19.984	ug/l	94
73) Isopropylbenzene	13.41	105	652110	20.209	ug/l	99
74) N-amyl acetate	13.27	43	160898	17.709	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	116789	18.551	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	122503	19.018	ug/l	99
77) Bromobenzene	13.69	156	166982	20.272	ug/l	98
78) n-propylbenzene	13.79	91	747335	19.784	ug/l	100
79) 2-Chlorotoluene	13.85	91	385769	18.549	ug/l	96
80) 1,3,5-Trimethylbenzene	14.25	105	480405	19.611	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	35748	18.824	ug/l	96
82) 4-Chlorotoluene	13.96	91	476933	19.399	ug/l	97
83) tert-Butylbenzene	14.20	119	589294	21.982	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	480405	19.611	ug/l	98
85) sec-Butylbenzene	14.38	105	654148	19.987	ug/l	96
86) p-Isopropyltoluene	14.50	119	555094	20.750	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	296857	20.183	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	294090	20.347	ug/l	97
89) n-Butylbenzene	14.81	91	492166	19.158	ug/l	98
90) Hexachloroethane	15.02	117	145096	19.208	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	253297	20.658	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13941	18.376	ug/l	78

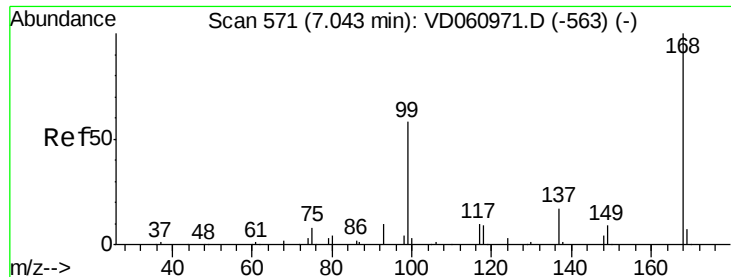
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
Data File : VD061082.D
Acq On : 15 Mar 2019 12:58
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Sample : VD0315SBSD01
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	116071	20.406	ug/l	98
94) Hexachlorobutadiene	16.05	225	81122	18.855	ug/l	97
95) Naphthalene	16.14	128	179864	20.808	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	62938	22.402	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

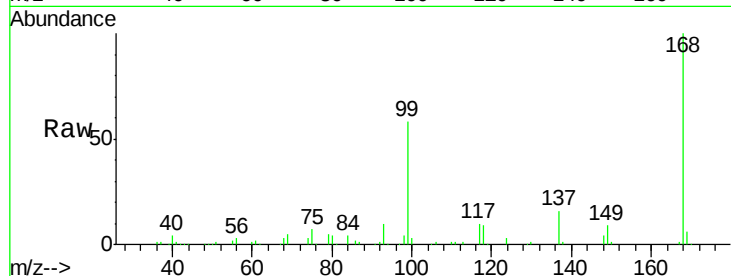
VD0315SBS01

Tot Ion:168 Resp: 690481

Ion Ratio Lower Upper

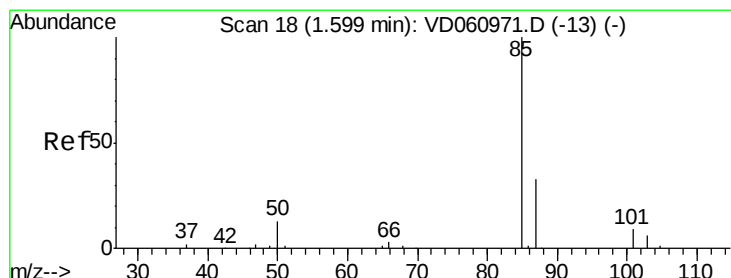
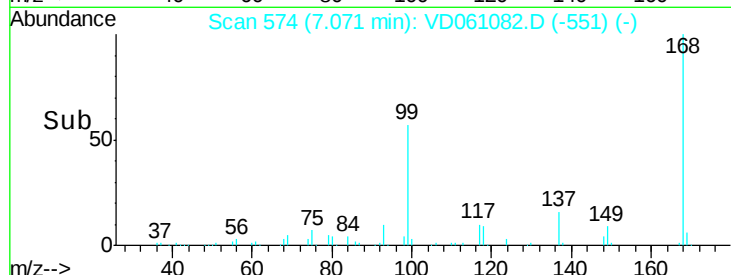
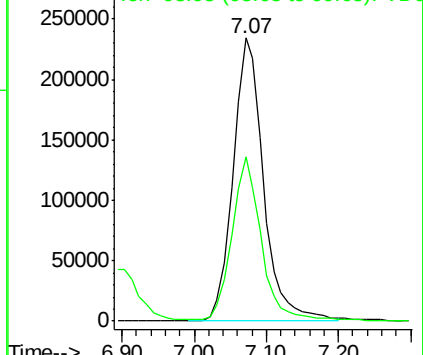
168 100

99 57.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.964 ug/l

RT: 1.60 min Scan# 18

Delta R.T. -0.00 min

Lab File: VD061082.D

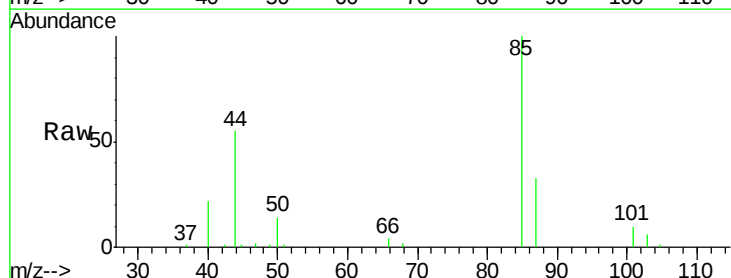
Acq: 15 Mar 2019 12:58

Tgt Ion: 85 Resp: 129707

Ion Ratio Lower Upper

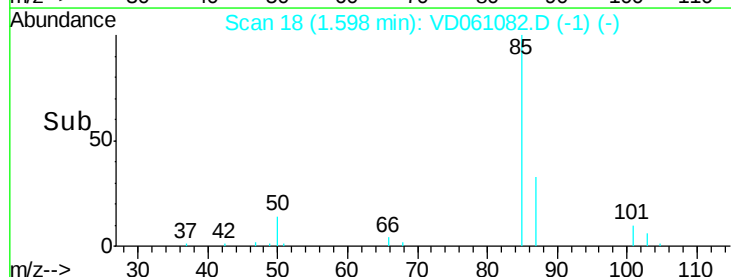
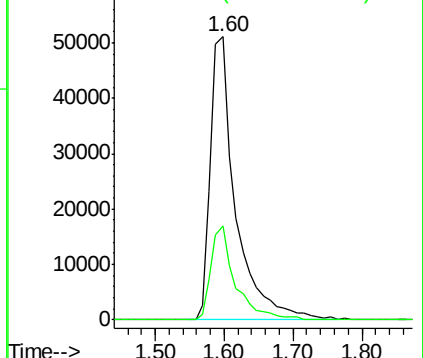
85 100

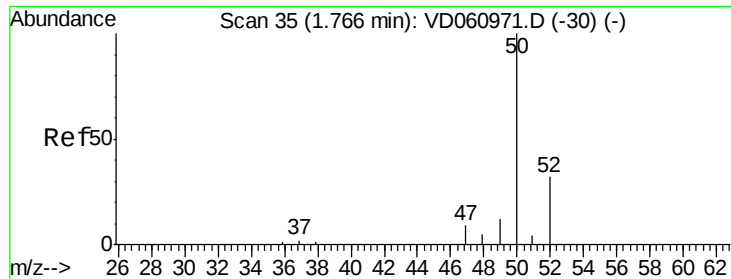
87 33.2 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.796 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

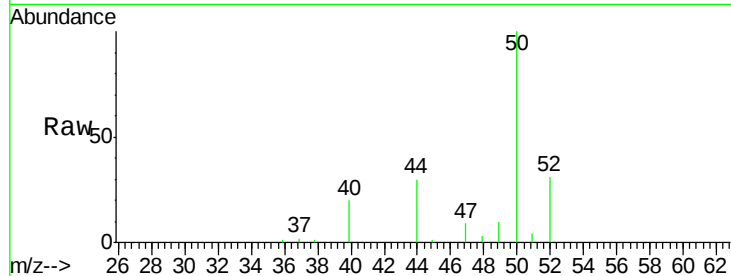
VD0315SBS01

Tot Ion: 50 Resp: 112792

Ion Ratio Lower Upper

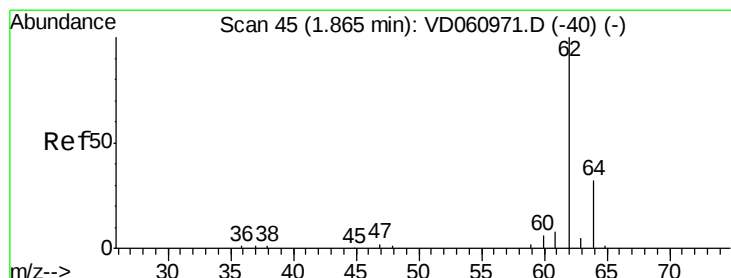
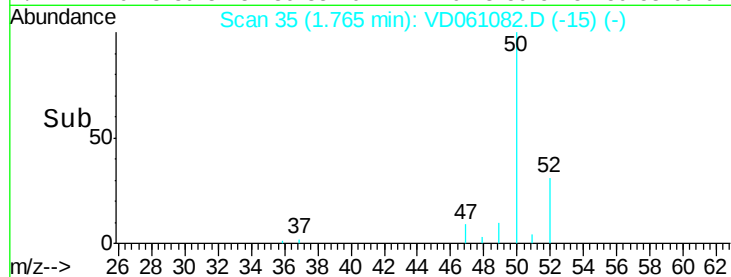
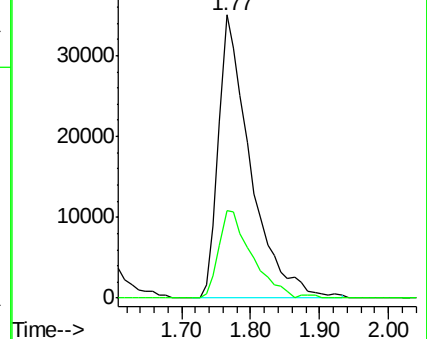
50 100

52 31.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.691 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061082.D

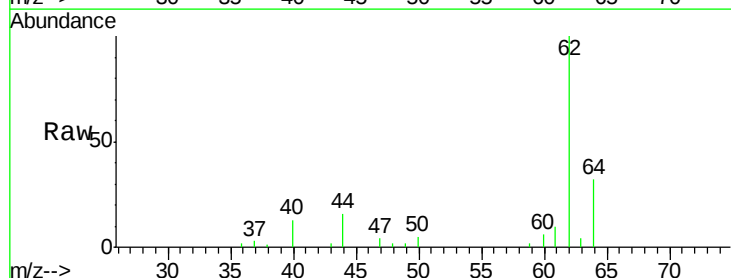
Acq: 15 Mar 2019 12:58

Tgt Ion: 62 Resp: 103669

Ion Ratio Lower Upper

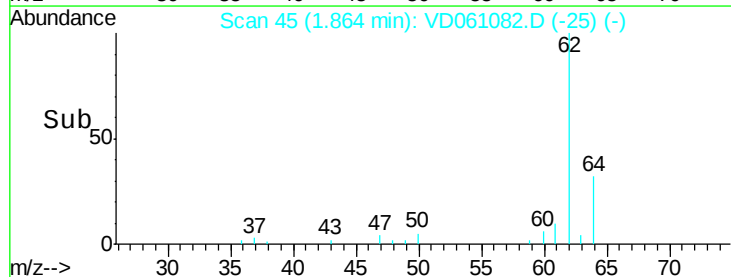
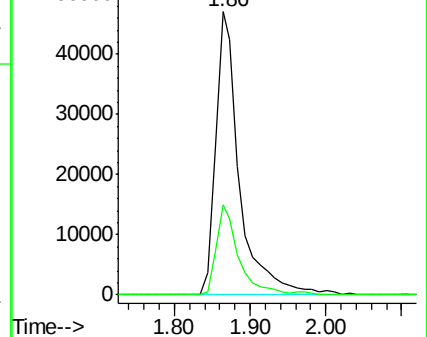
62 100

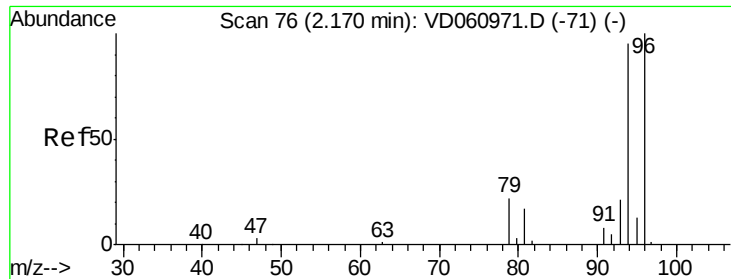
64 32.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.995 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

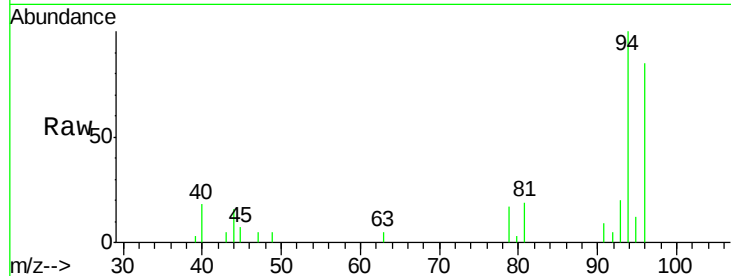
Tot Ion: 94 Resp: 17379

Ion Ratio Lower Upper

94 100

96 84.9 84.0 126.0

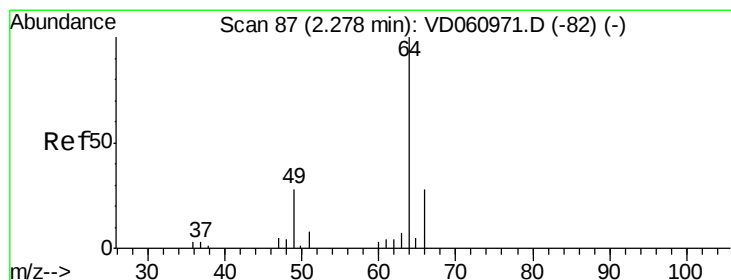
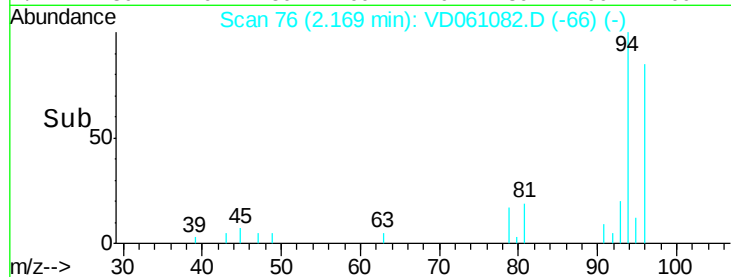
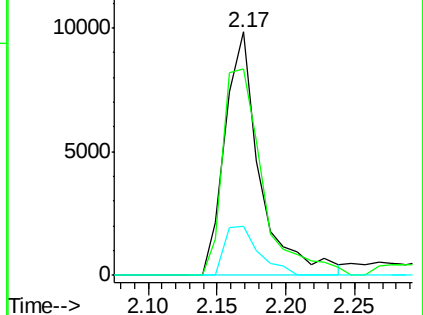
93 20.3 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.432 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061082.D

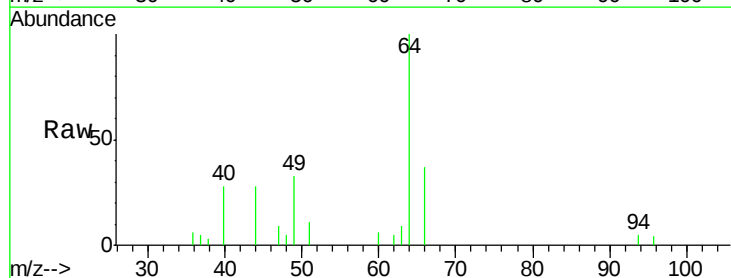
Acq: 15 Mar 2019 12:58

Tgt Ion: 64 Resp: 29046

Ion Ratio Lower Upper

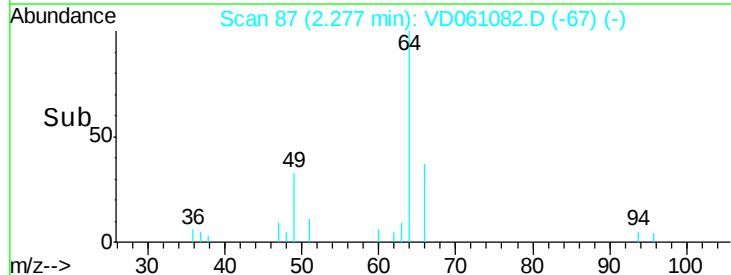
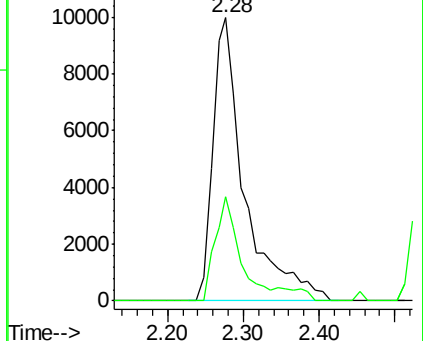
64 100

66 36.6 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



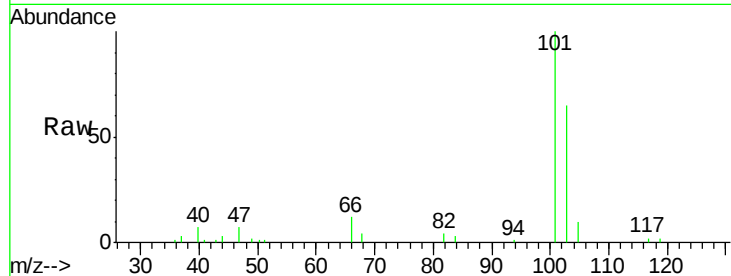


#7

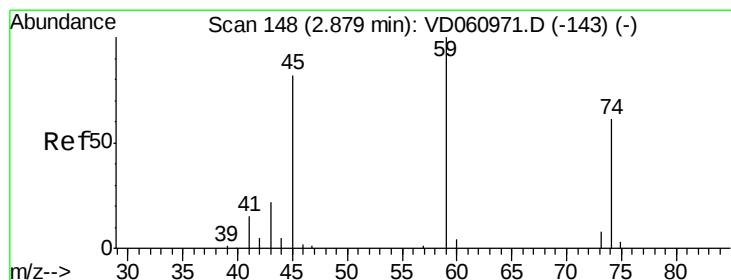
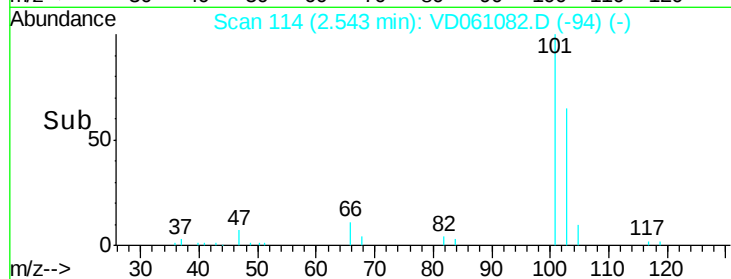
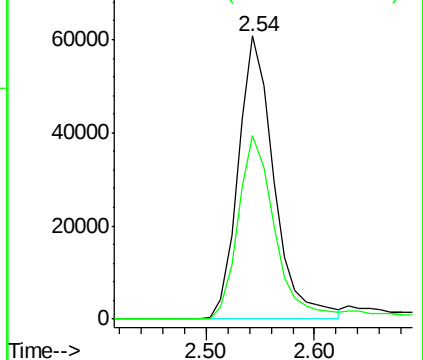
Trichlorofluoromethane
 Concen: 18.488 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tot Ion:101 Resp: 139827
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8



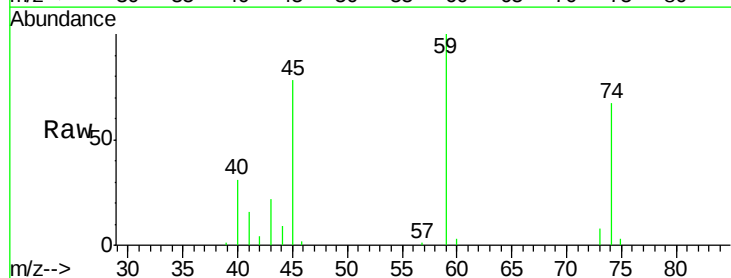
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



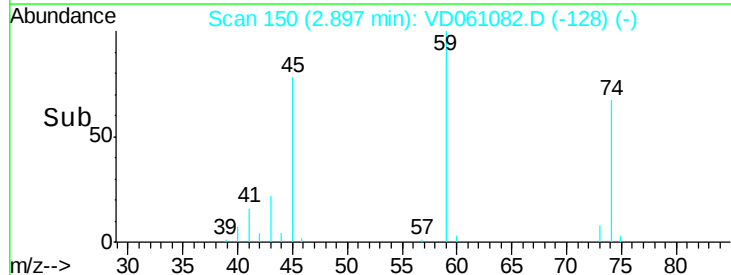
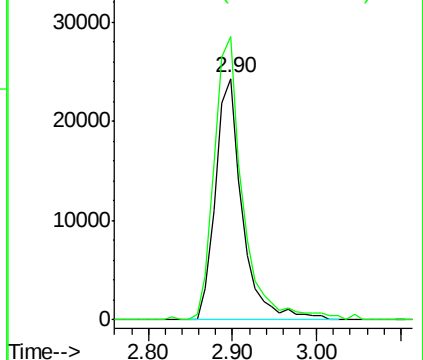
#8

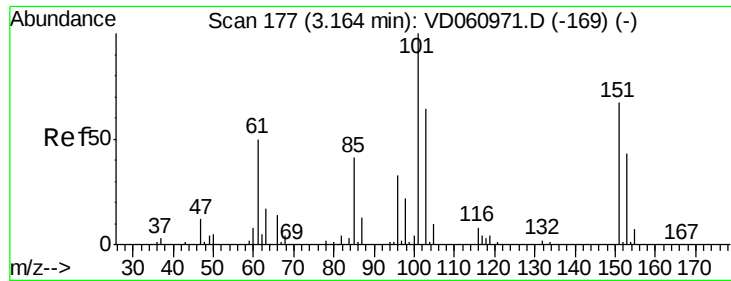
Diethyl Ether
 Concen: 21.558 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 74 Resp: 53787
 Ion Ratio Lower Upper
 74 100
 45 117.1 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.995 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBSD01

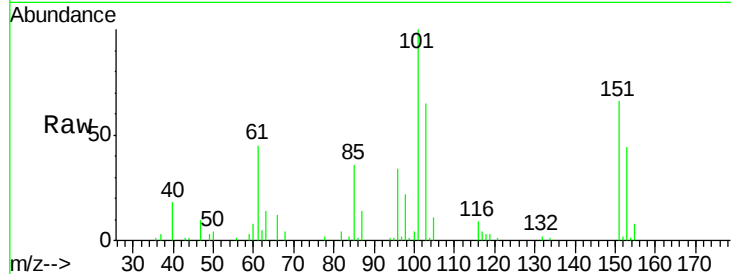
Tot Ion:101 Resp: 169069

Ion Ratio Lower Upper

101 100

85 36.2 32.5 48.7

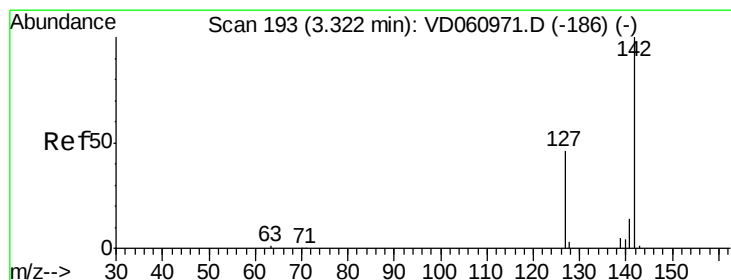
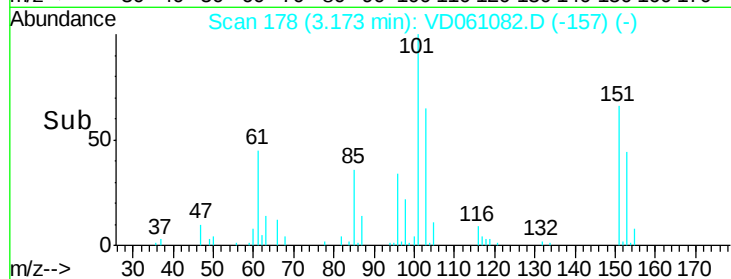
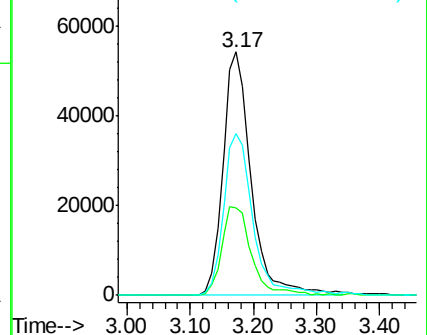
151 66.4 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.407 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

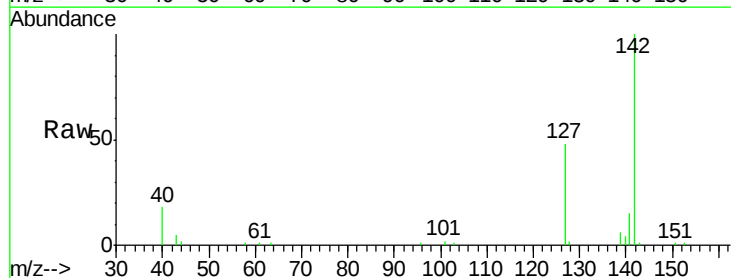
Tgt Ion:142 Resp: 203782

Ion Ratio Lower Upper

142 100

127 47.7 36.8 55.2

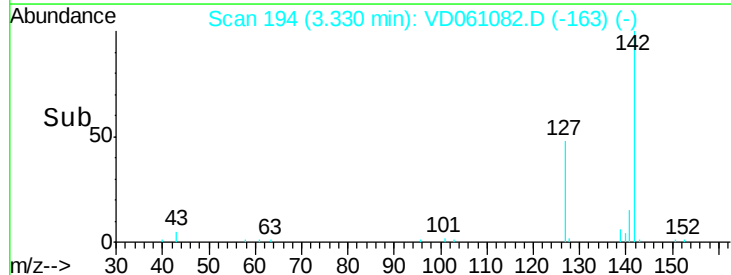
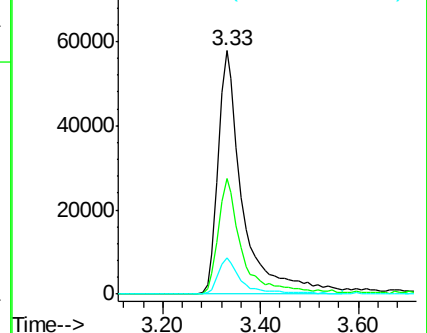
141 14.9 11.2 16.8

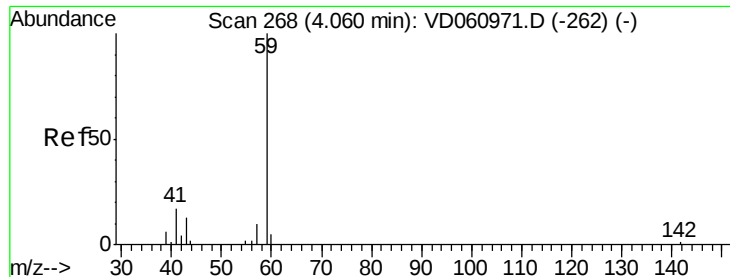


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



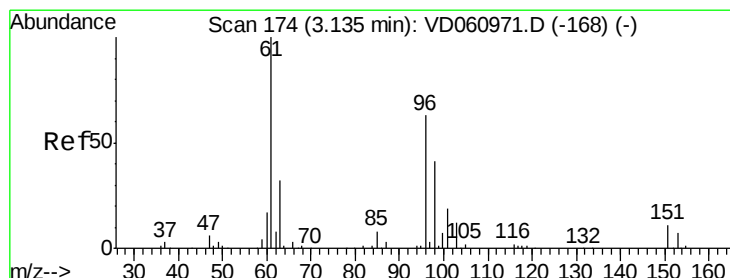
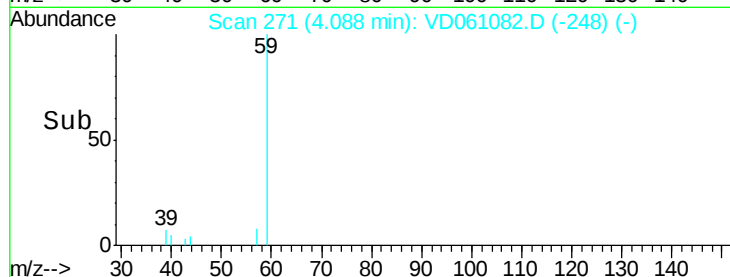
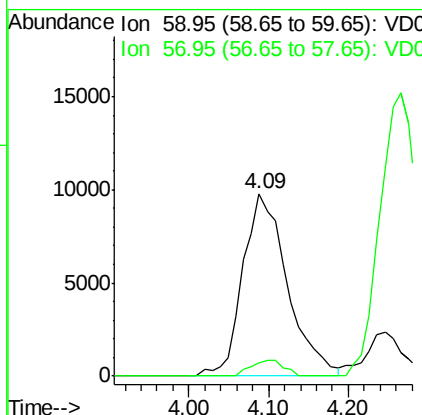
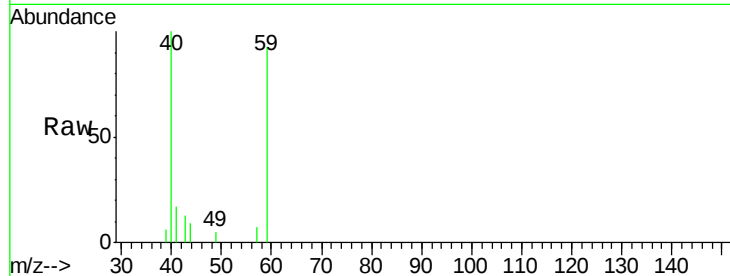


#11

Tert butyl alcohol
Concen: 103.871 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

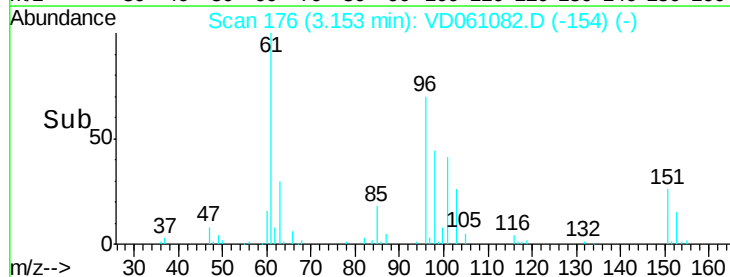
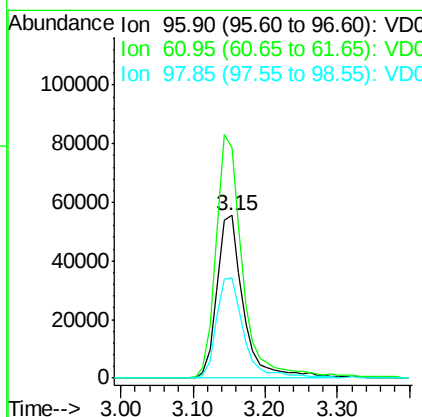
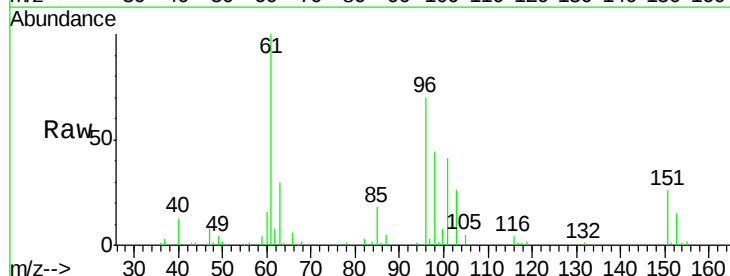
Tot Ion: 59 Resp: 38006
Ion Ratio Lower Upper
59 100
57 7.6 7.1 10.7

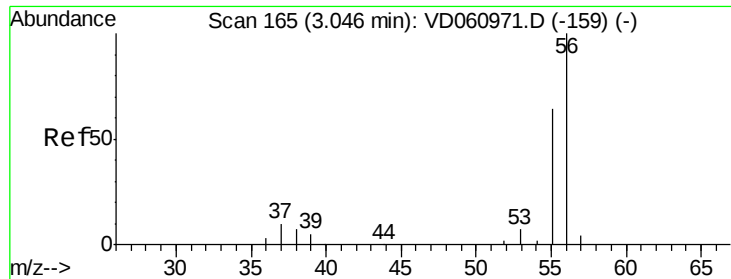


#12

1,1-Dichloroethene
Concen: 20.275 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 96 Resp: 140523
Ion Ratio Lower Upper
96 100
61 142.0 127.1 190.7
98 62.0 51.5 77.3





#13

Acrolein

Concen: 75.544 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

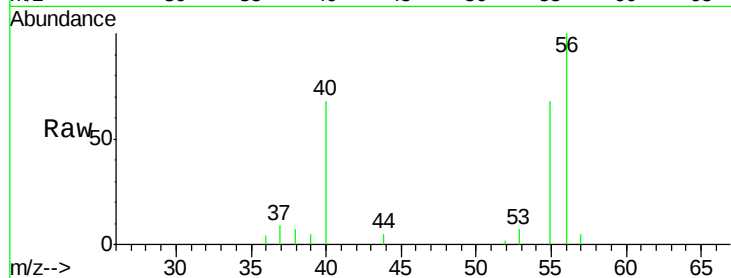
VD0315SBS01

Tot Ion: 56 Resp: 39994

Ion Ratio Lower Upper

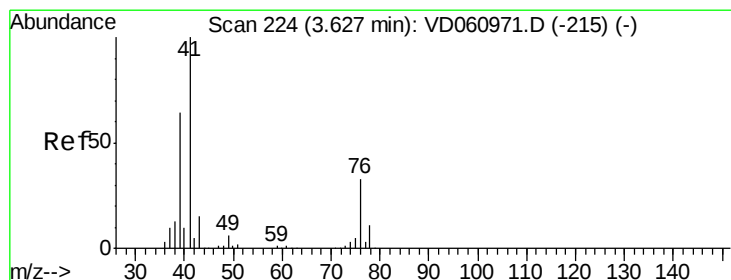
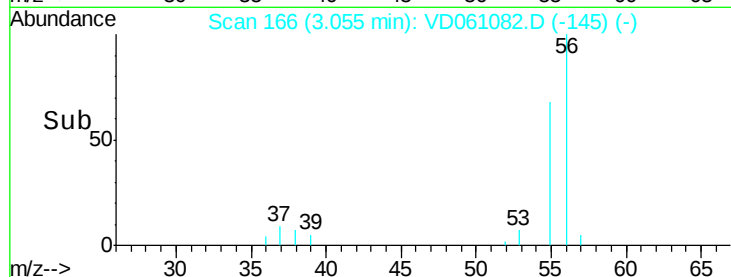
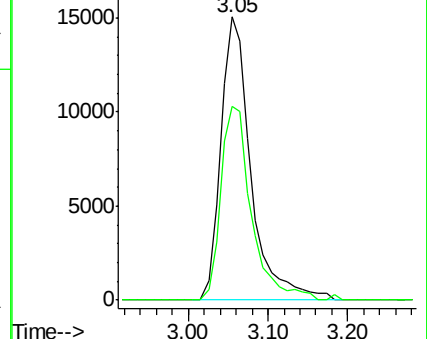
56 100

55 68.4 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.083 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

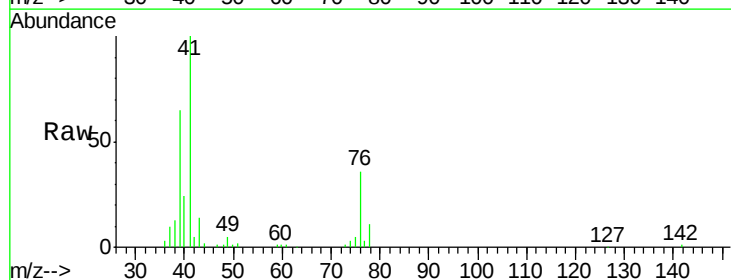
Tgt Ion: 41 Resp: 211619

Ion Ratio Lower Upper

41 100

39 65.3 51.1 76.7

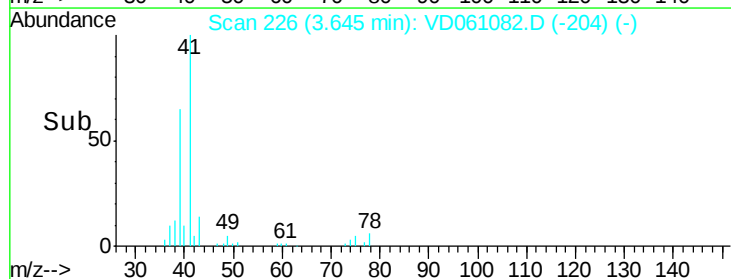
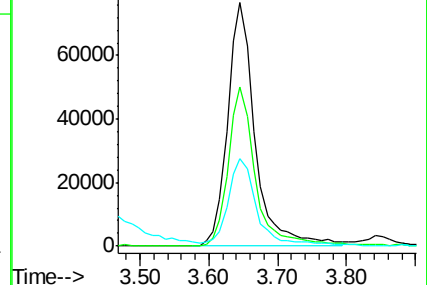
76 35.9 29.1 43.7



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: 101.217 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

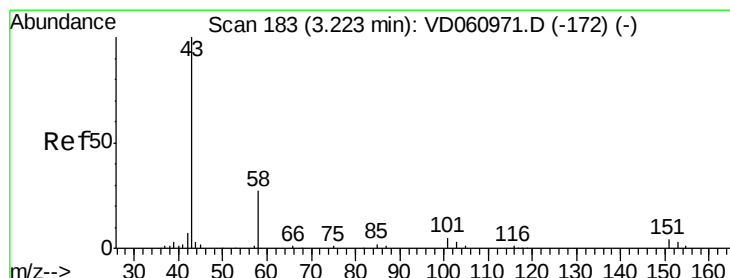
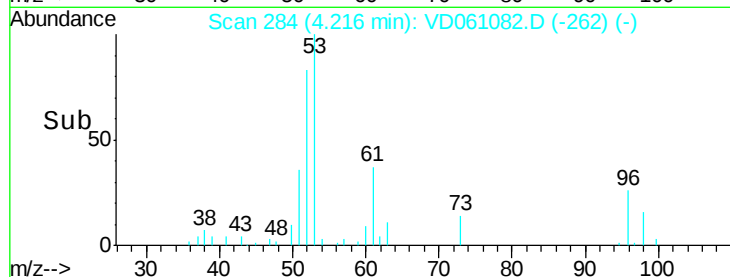
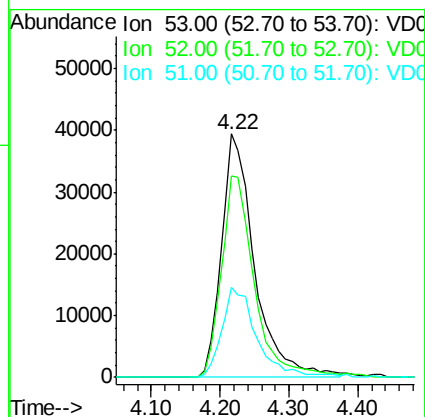
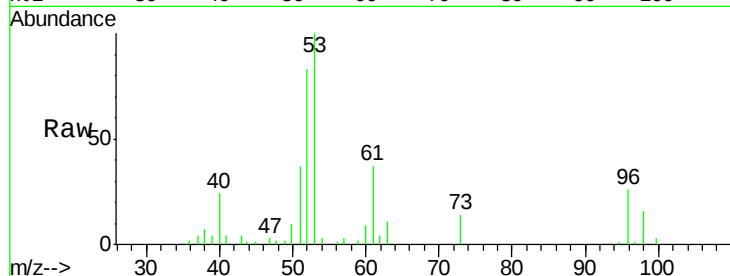
Tot Ion: 53 Resp: 130892

Ion Ratio Lower Upper

53 100

52 82.7 70.2 105.4

51 36.9 31.7 47.5



#16

Acetone

Concen: 96.557 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061082.D

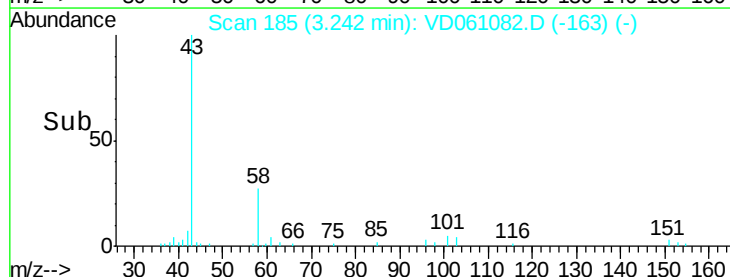
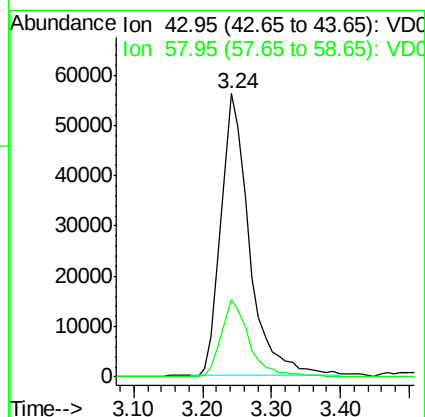
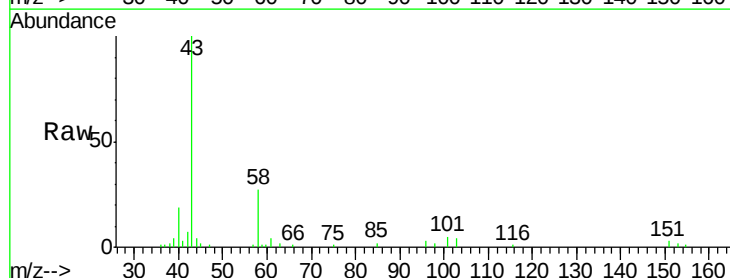
Acq: 15 Mar 2019 12:58

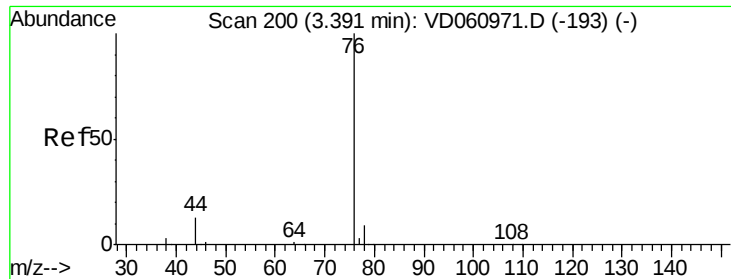
Tgt Ion: 43 Resp: 158695

Ion Ratio Lower Upper

43 100

58 27.5 21.6 32.4

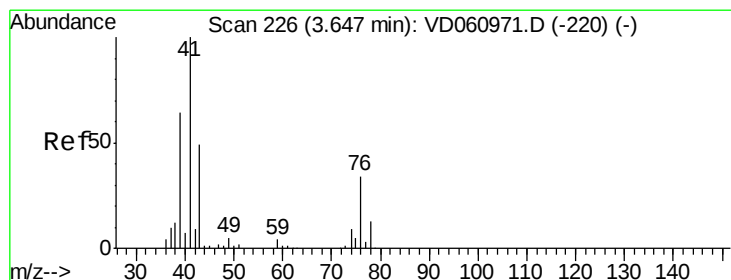
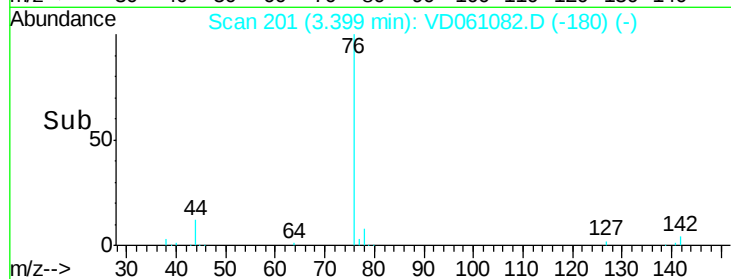
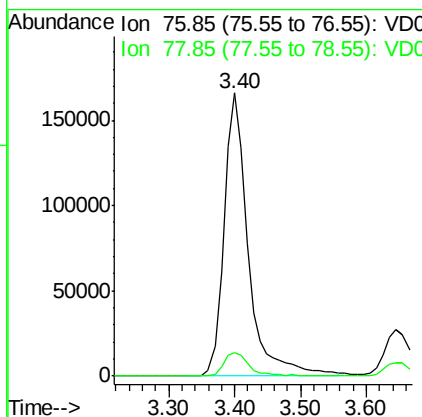
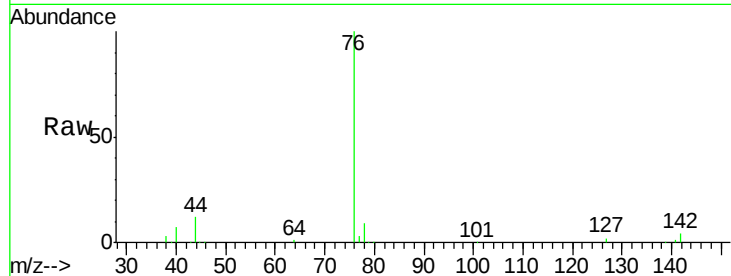




#17
Carbon Disulfide
Concen: 18.269 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

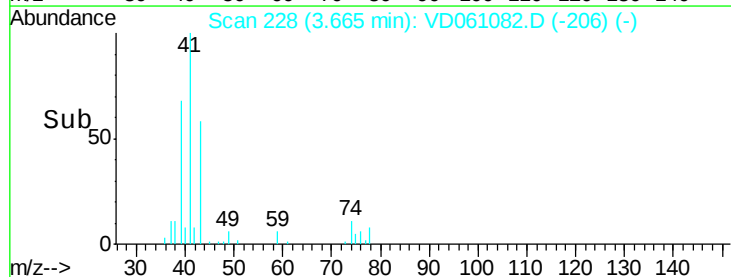
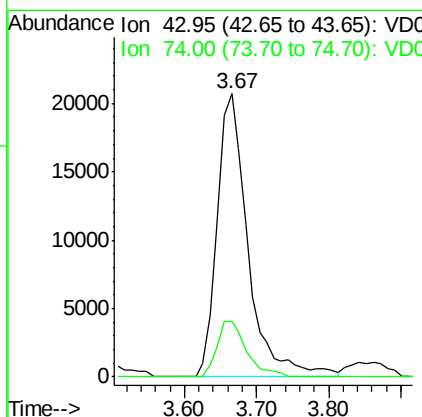
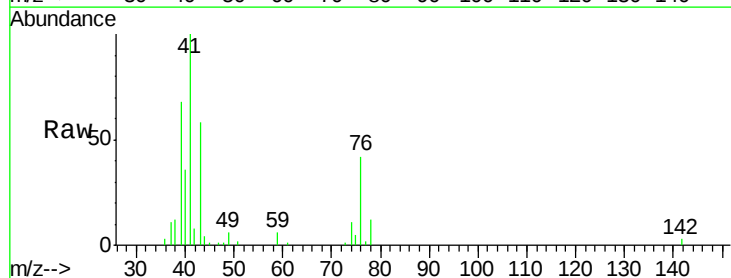
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

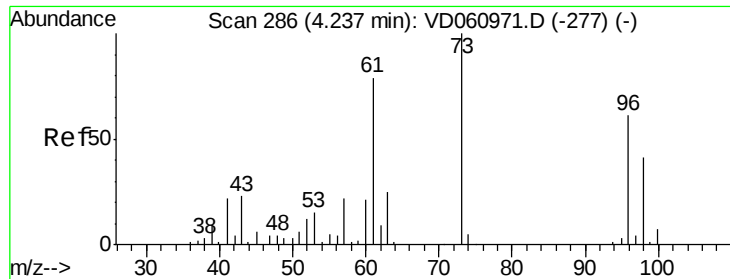
Tot Ion: 76 Resp: 427146
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 18.931 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 43 Resp: 61232
Ion Ratio Lower Upper
43 100
74 19.6 14.6 21.8

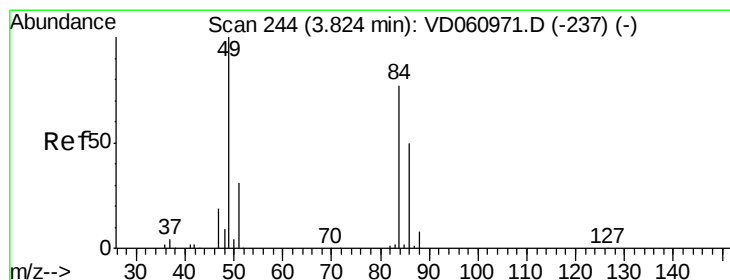
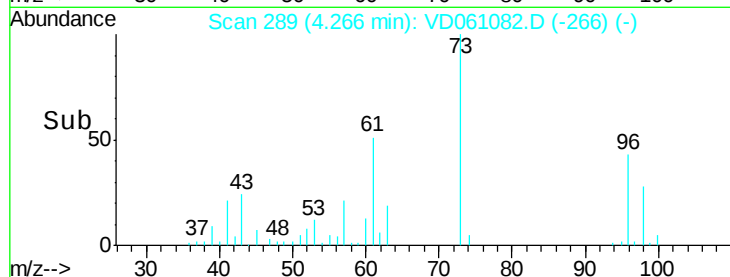
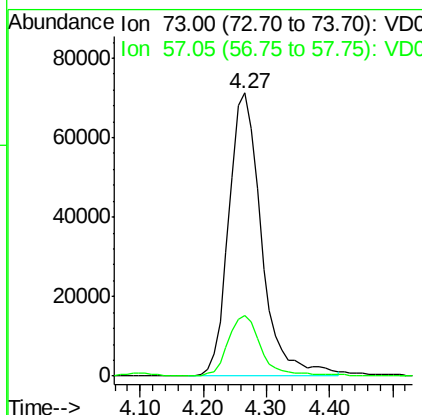
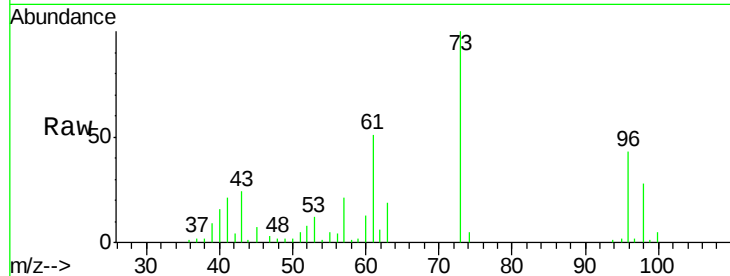




#19
Methvl tert-butvl Ether
Concen: 21.096 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

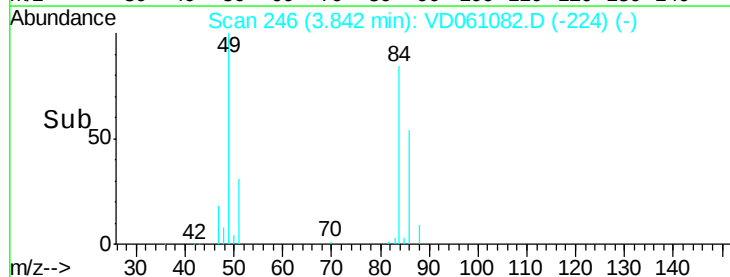
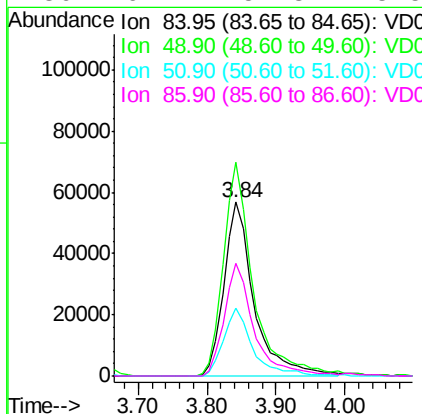
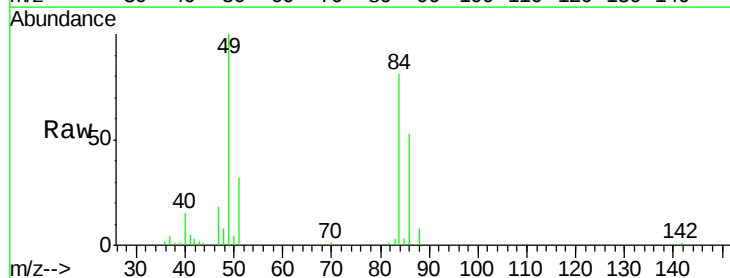
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

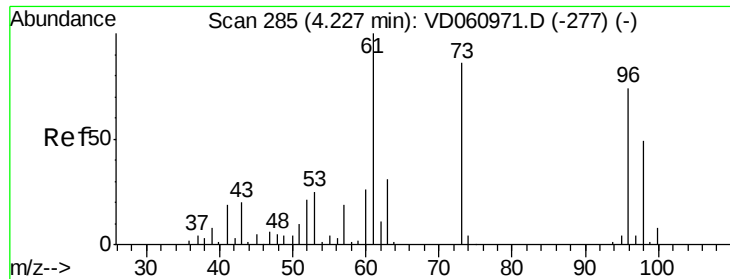
Tot Ion: 73 Resp: 256247
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 20.134 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 84 Resp: 171756
Ion Ratio Lower Upper
84 100
49 122.9 104.2 156.2
51 38.8 32.3 48.5
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.959 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

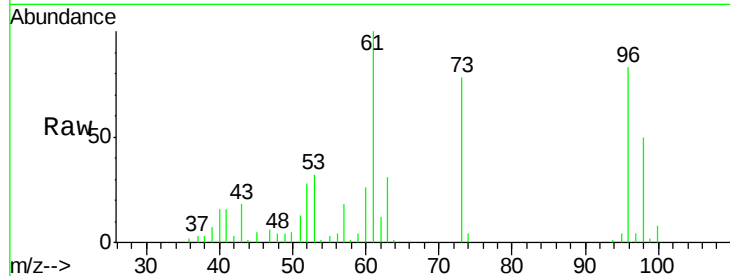
Tot Ion: 96 Resp: 149734

Ion Ratio Lower Upper

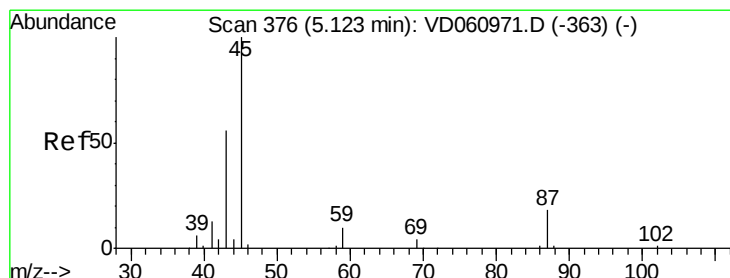
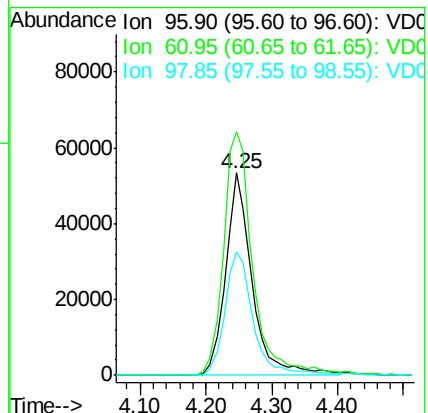
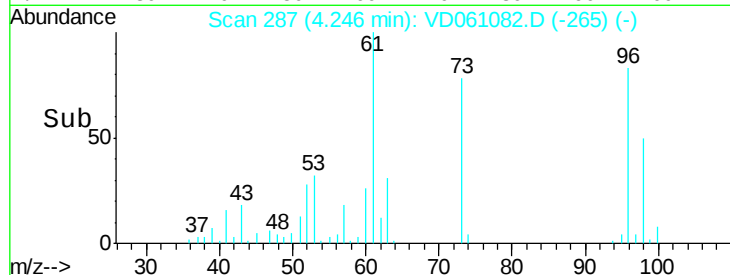
96 100

61 120.4 108.4 162.6

98 60.8 53.0 79.4



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: 19.031 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Tgt Ion: 45 Resp: 438119

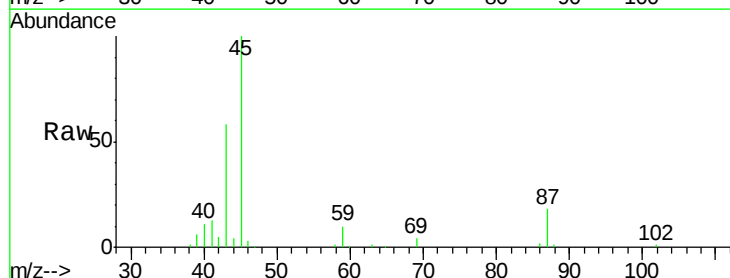
Ion Ratio Lower Upper

45 100

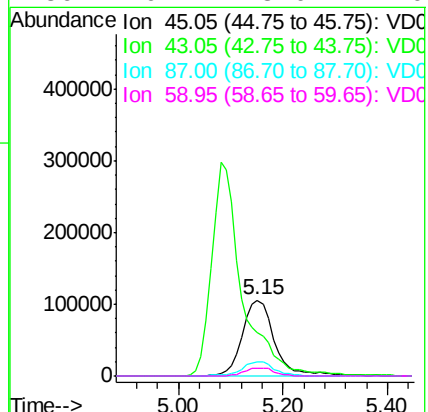
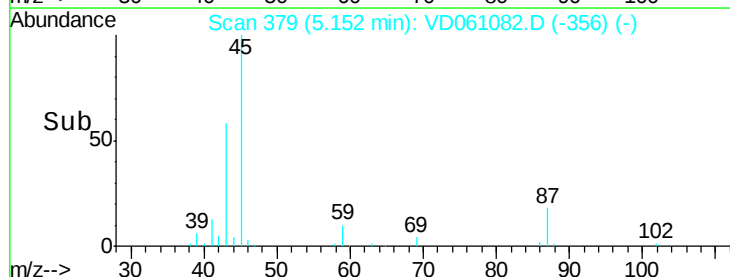
43 57.7 45.8 68.8

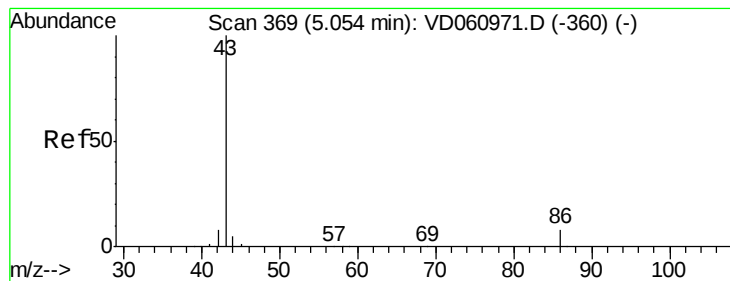
87 18.2 14.9 22.3

59 10.1 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.034 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

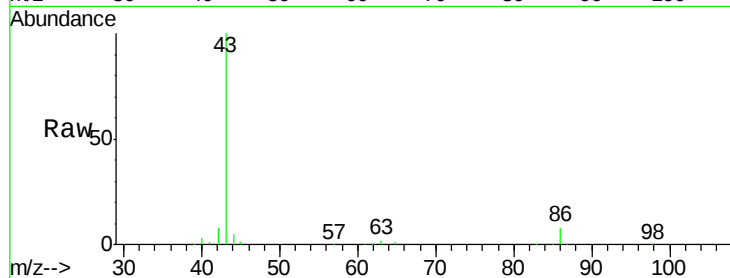
VD0315SBS01

Tot Ion: 43 Resp: 1182170

Ion Ratio Lower Upper

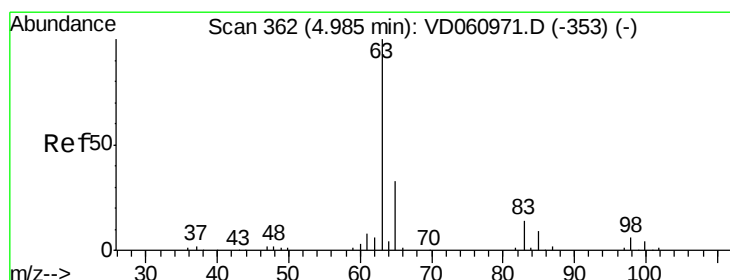
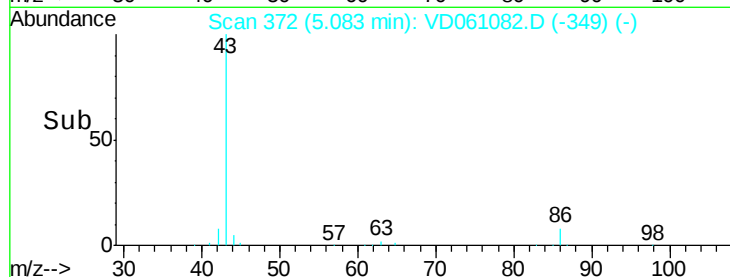
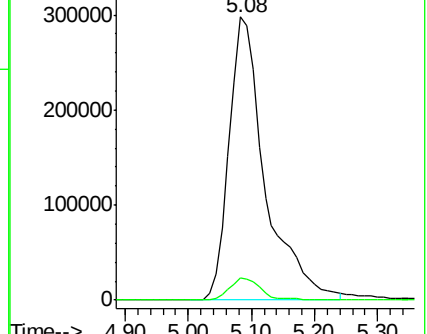
43 100

86 7.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.596 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

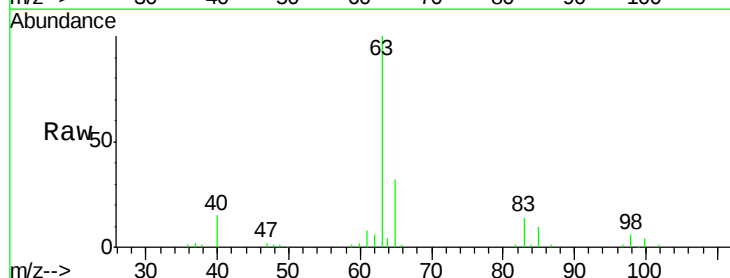
Tgt Ion: 63 Resp: 247164

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

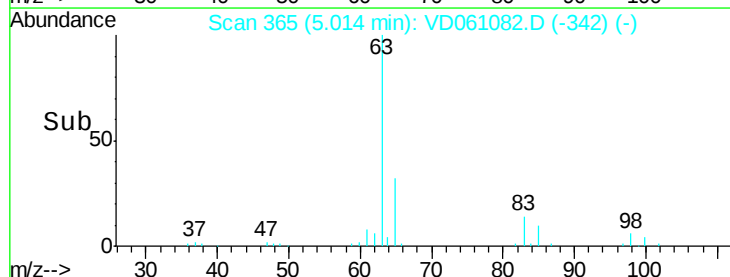
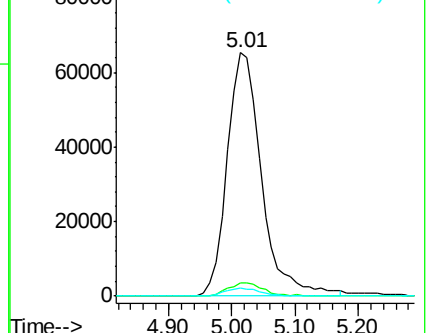
100 3.5 2.0 5.8



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: 104.595 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

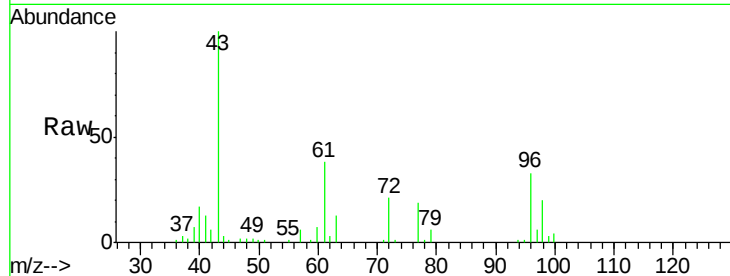
VD0315SBS01

Tot Ion: 43 Resp: 195065

Ion Ratio Lower Upper

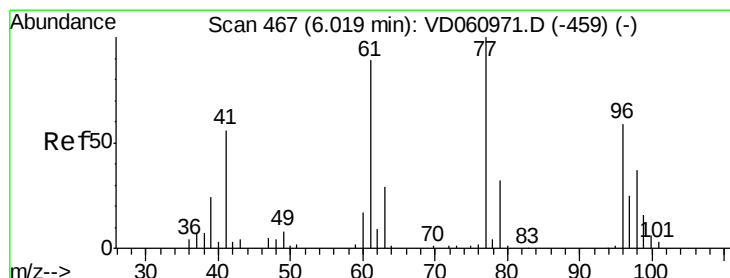
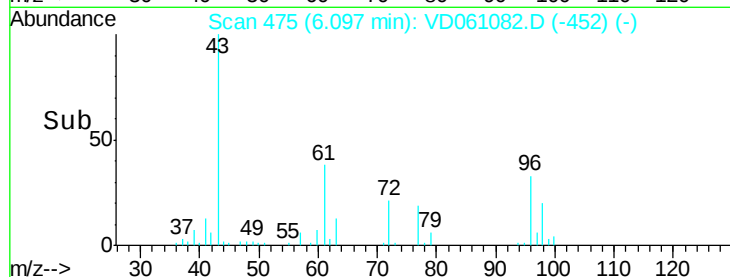
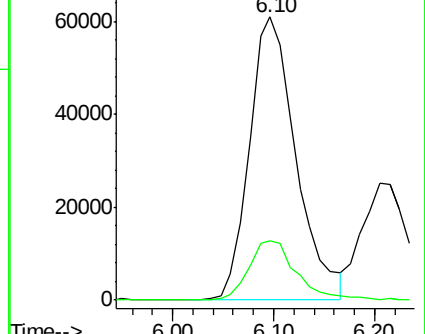
43 100

72 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.689 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.04 min

Lab File: VD061082.D

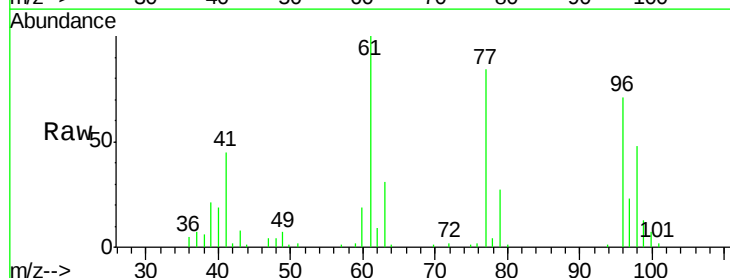
Acq: 15 Mar 2019 12:58

Tgt Ion: 77 Resp: 203716

Ion Ratio Lower Upper

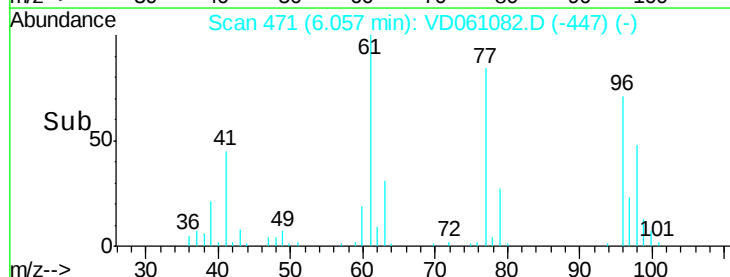
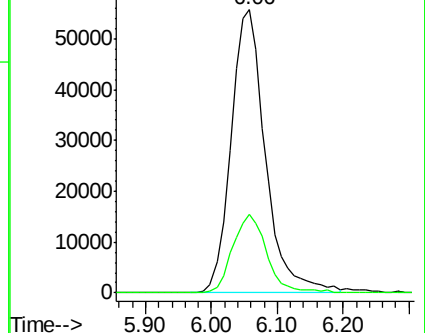
77 100

97 27.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



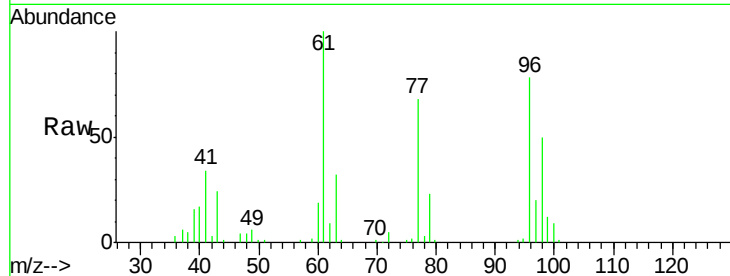


#27

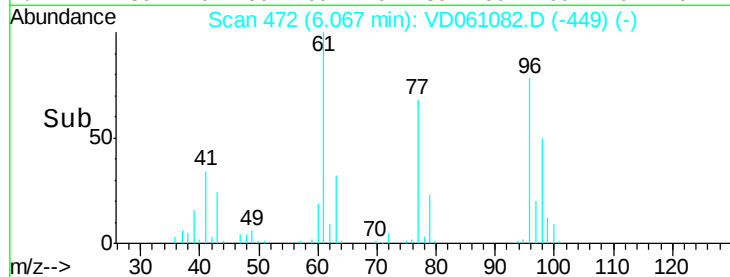
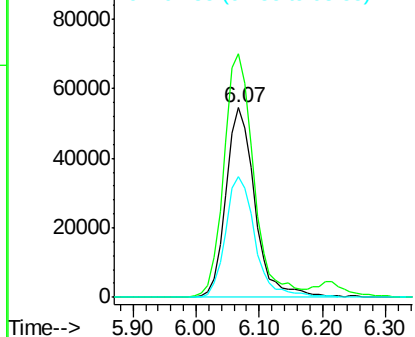
cis-1,2-Dichloroethene
Concen: 21.799 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tot Ion: 96 Resp: 173510
Ion Ratio Lower Upper
96 100
61 128.5 0.0 273.6
98 63.8 0.0 132.6



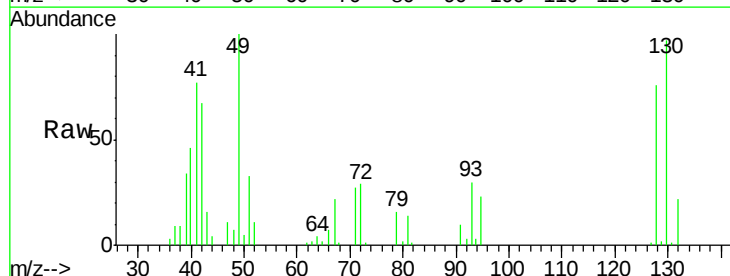
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



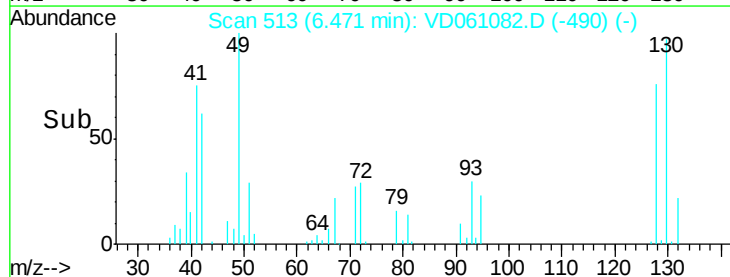
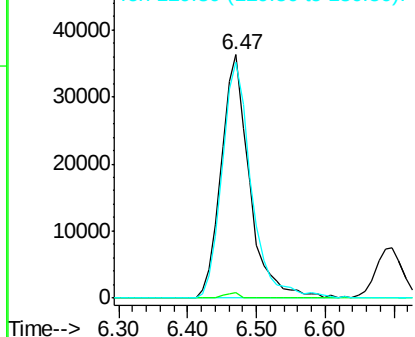
#28

Bromochloromethane
Concen: 19.335 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 49 Resp: 103246
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 96.7 73.8 110.8



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: 99.002 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

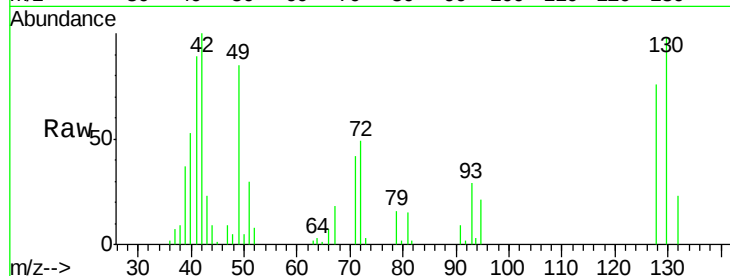
Tot Ion: 42 Resp: 100257

Ion Ratio Lower Upper

42 100

72 44.4 34.5 51.7

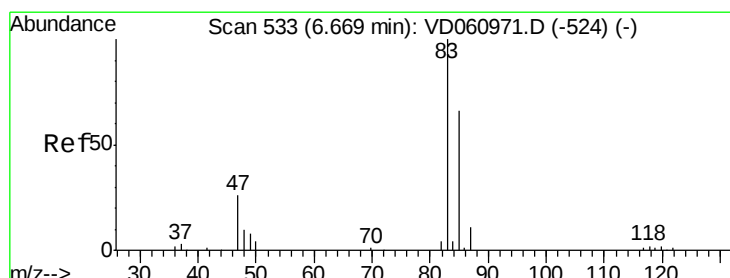
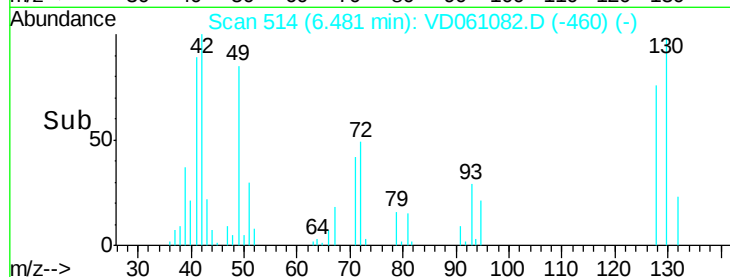
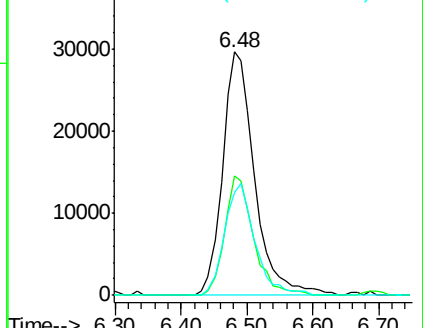
71 43.6 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.691 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD061082.D

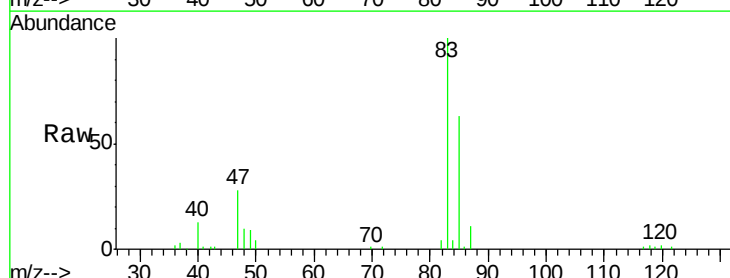
Acq: 15 Mar 2019 12:58

Tgt Ion: 83 Resp: 257410

Ion Ratio Lower Upper

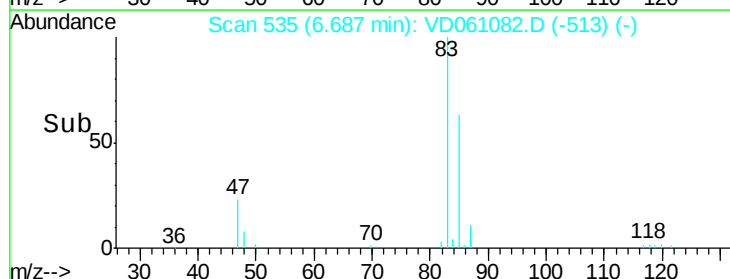
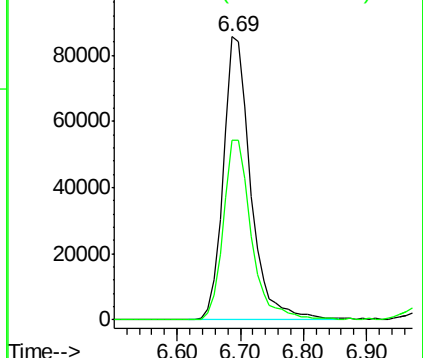
83 100

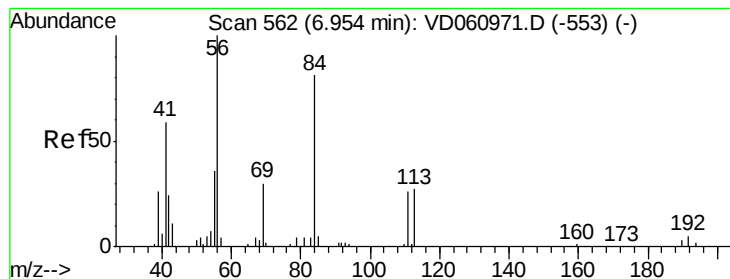
85 63.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.873 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

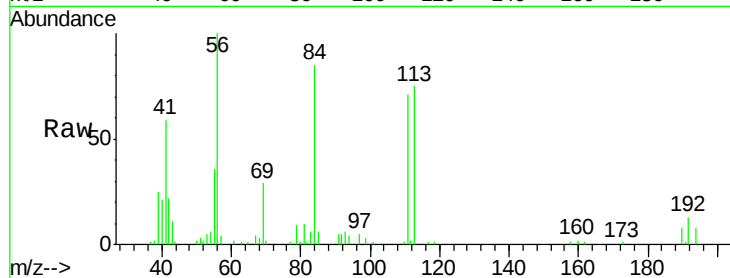
Tot Ion: 56 Resp: 191944

Ion Ratio Lower Upper

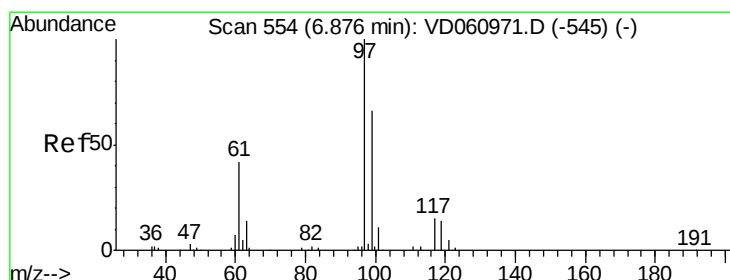
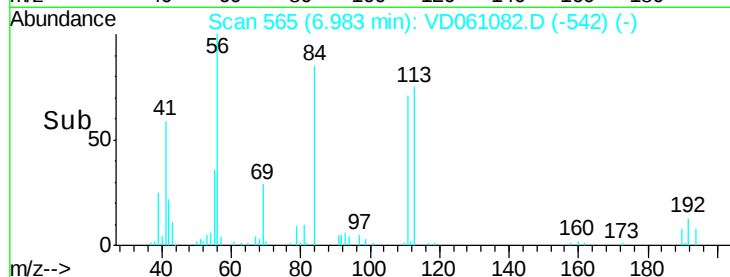
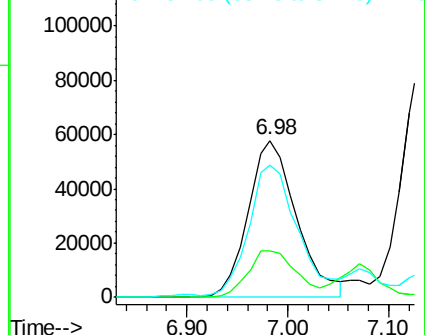
56 100

69 29.4 24.0 36.0

84 84.6 65.8 98.6



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: 19.738 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

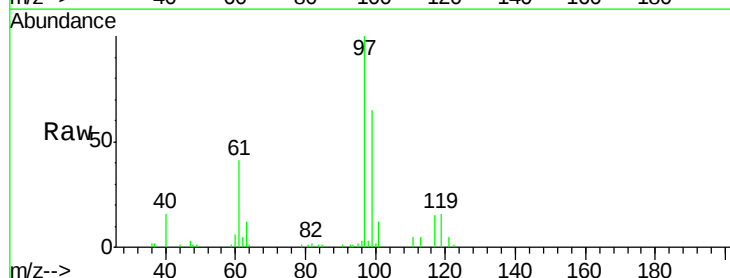
Tgt Ion: 97 Resp: 223080

Ion Ratio Lower Upper

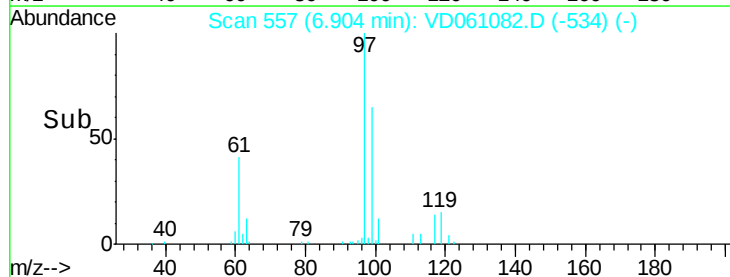
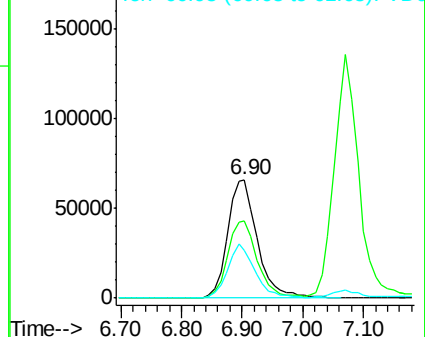
97 100

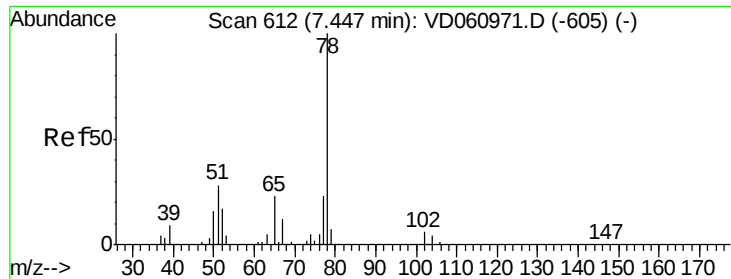
99 64.9 53.2 79.8

61 40.5 33.8 50.8



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: 19.738 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

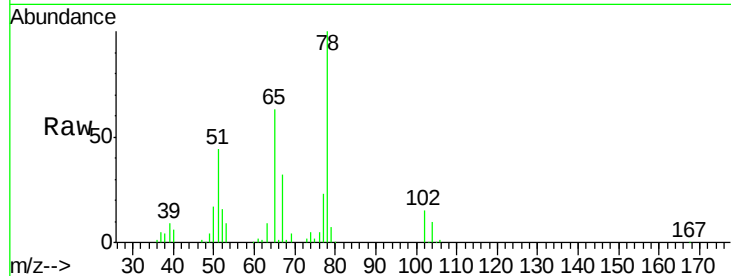
VD0315SBS01

Tot Ion: 65 Resp: 264811

Ion Ratio Lower Upper

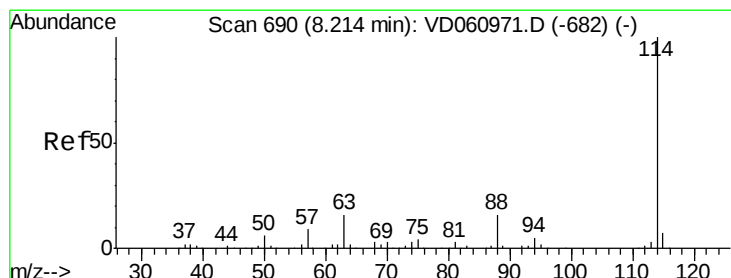
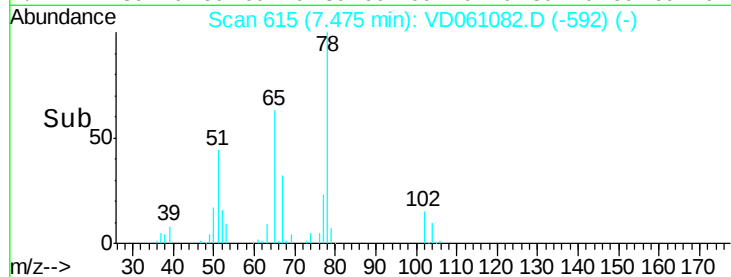
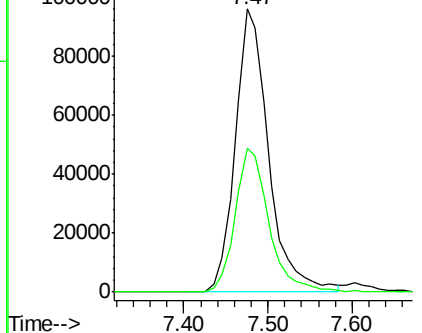
65 100

67 50.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

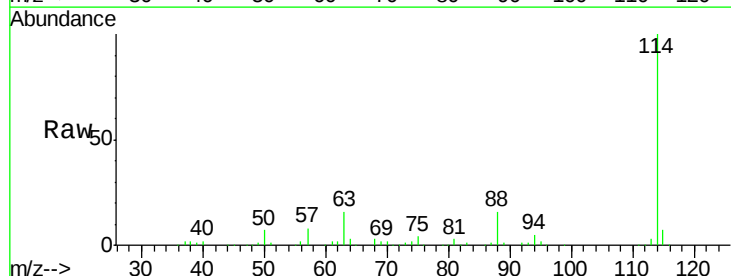
Tgt Ion: 114 Resp: 1209056

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.4

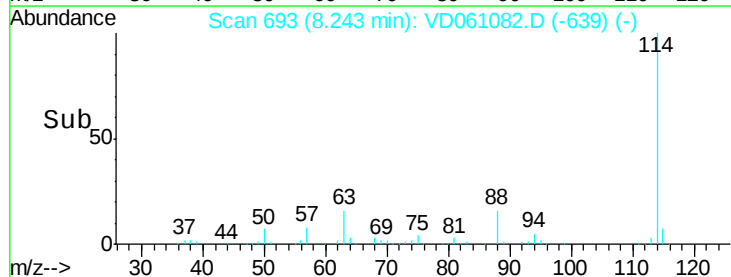
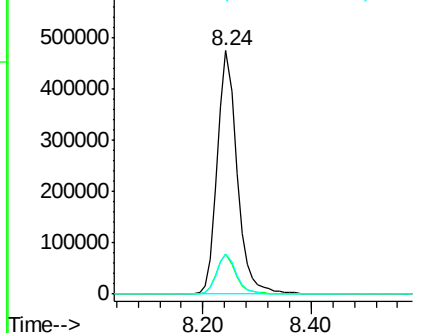
88 16.4 0.0 33.0

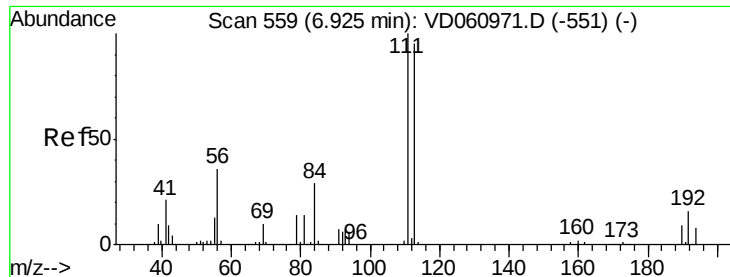


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBSD01

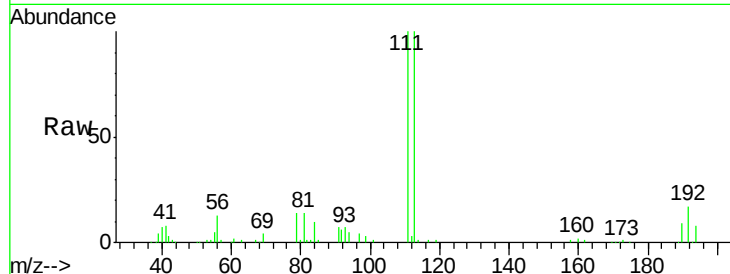
Tot Ion:113 Resp: 428408

Ion Ratio Lower Upper

113 100

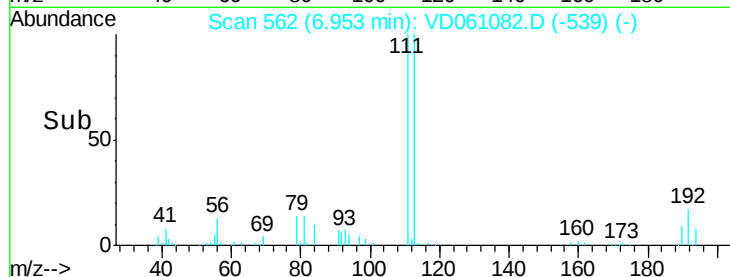
111 99.6 84.2 126.4

192 16.5 13.1 19.7

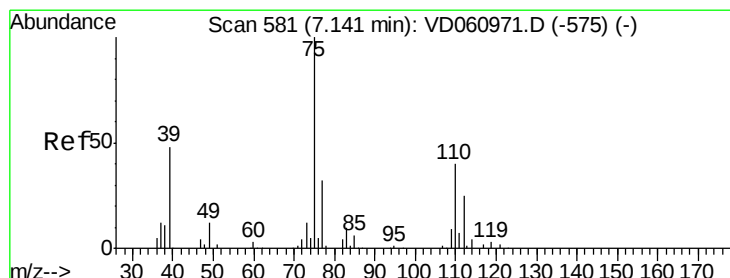


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.95



Time-->



#36

1,1-Dichloropropene

Concen: 17.919 ug/l

RT: 7.18 min Scan# 585

Delta R.T. 0.04 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

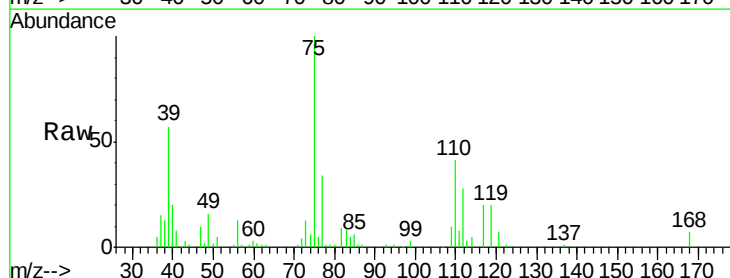
Tgt Ion: 75 Resp: 186751

Ion Ratio Lower Upper

75 100

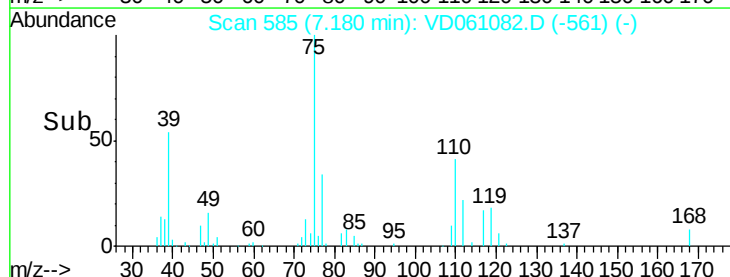
110 40.9 19.7 59.1

77 33.6 24.7 37.1

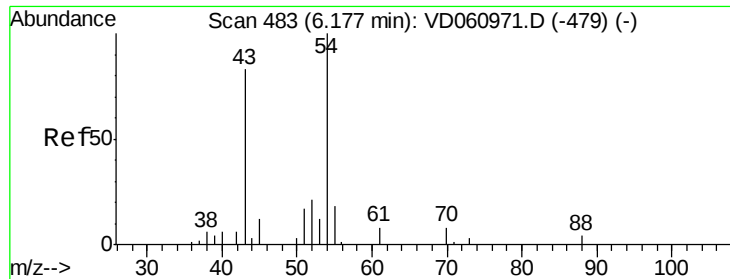


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

7.18



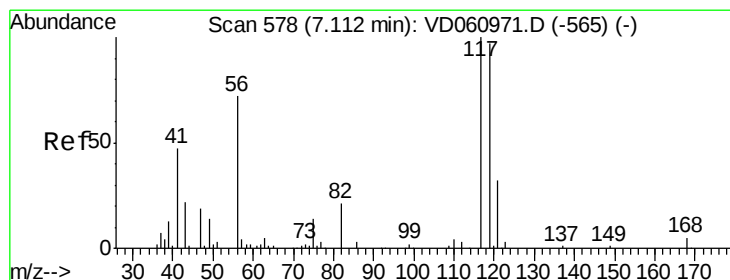
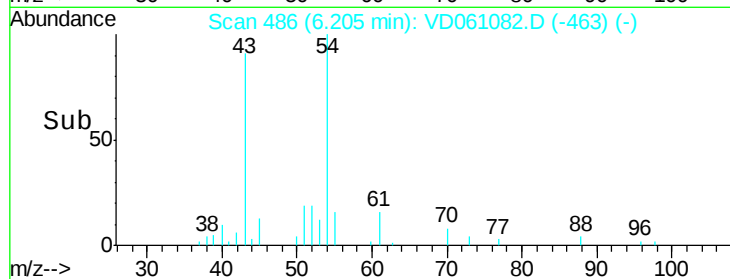
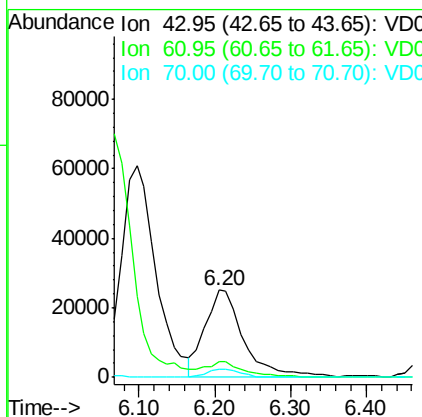
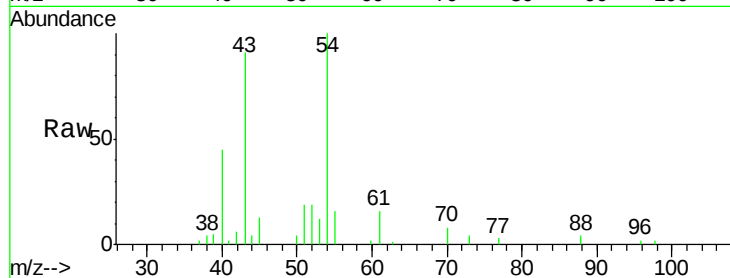
Time-->



#37
Ethyl Acetate
Concen: 18.249 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

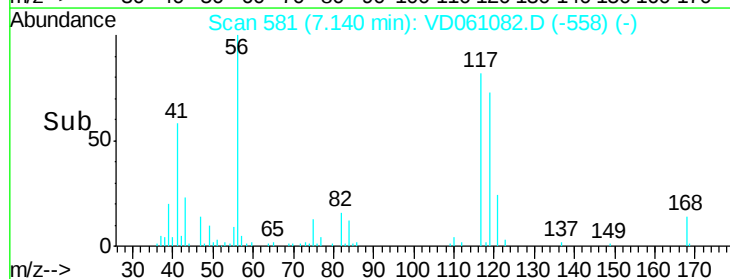
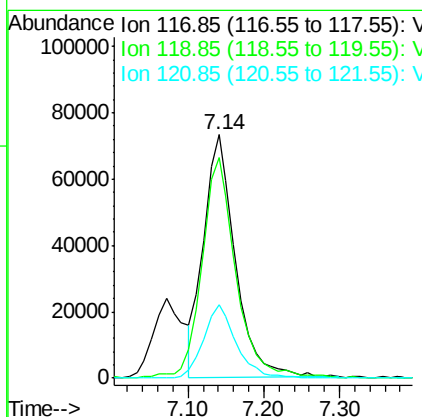
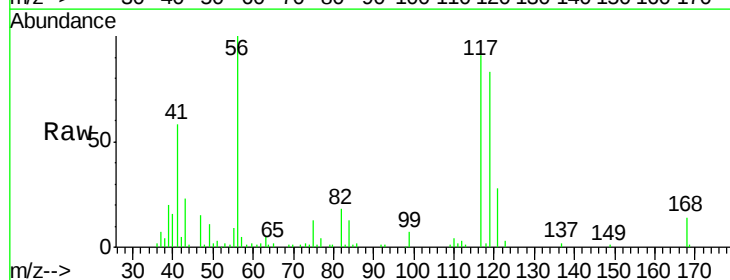
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tot Ion: 43 Resp: 89251
Ion Ratio Lower Upper
43 100
61 17.5 13.7 20.5
70 9.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.615 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 117 Resp: 213699
Ion Ratio Lower Upper
117 100
119 90.7 77.8 116.8
121 30.2 25.3 37.9





#39

Methvlcvclohexane

Concen: 18.034 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.04 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

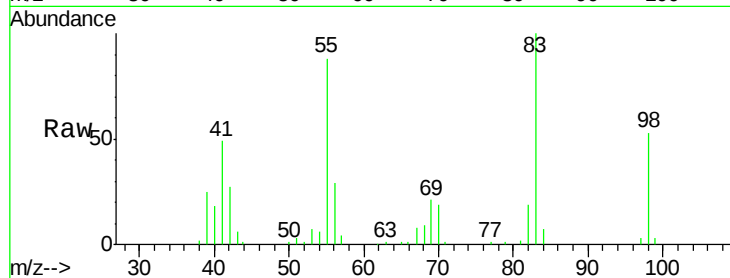
Tot Ion: 83 Resp: 194893

Ion Ratio Lower Upper

83 100

55 88.4 69.6 104.4

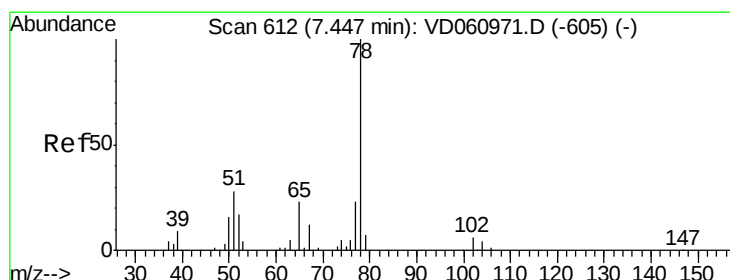
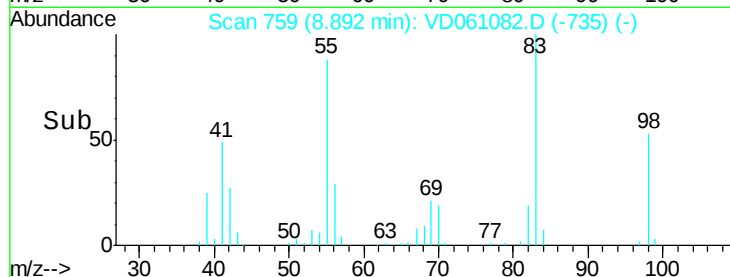
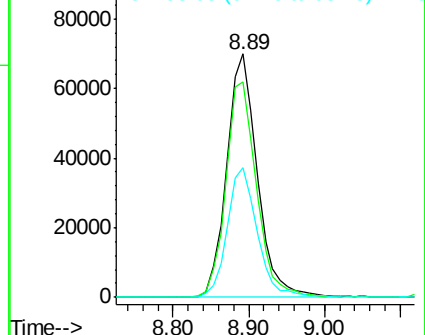
98 53.3 40.0 60.0



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: 18.171 ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.04 min

Lab File: VD061082.D

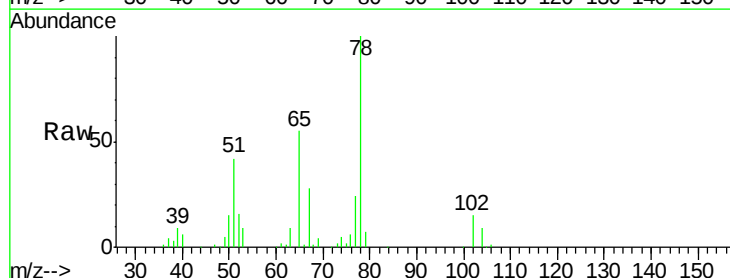
Acq: 15 Mar 2019 12:58

Tgt Ion: 78 Resp: 473203

Ion Ratio Lower Upper

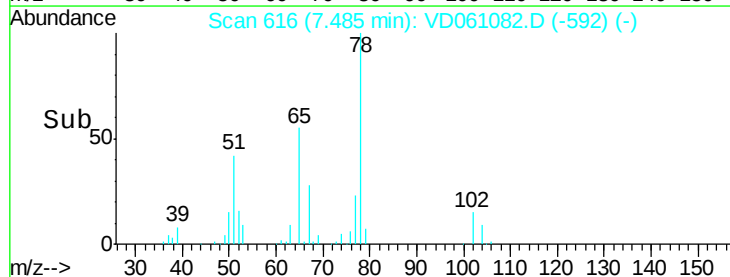
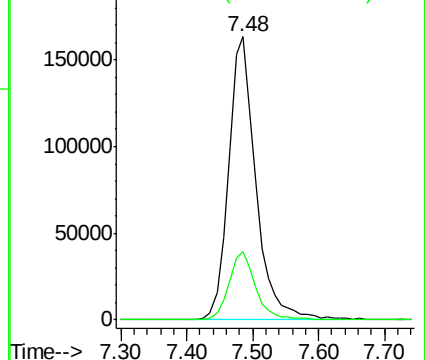
78 100

77 24.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

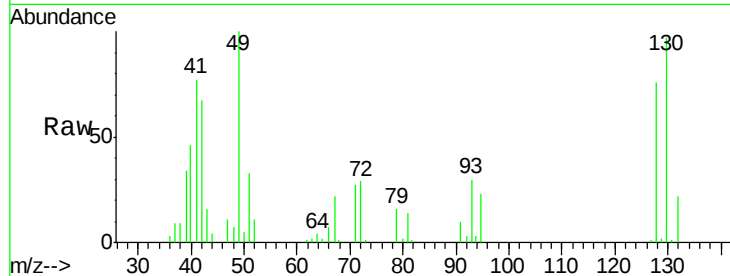




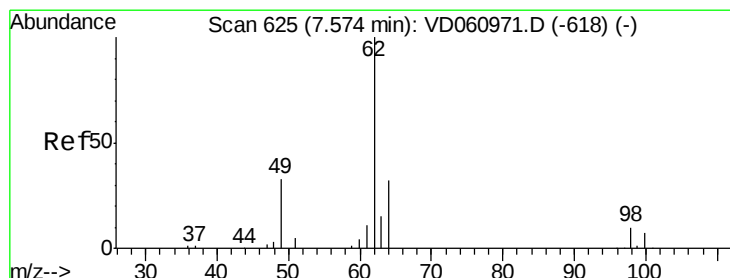
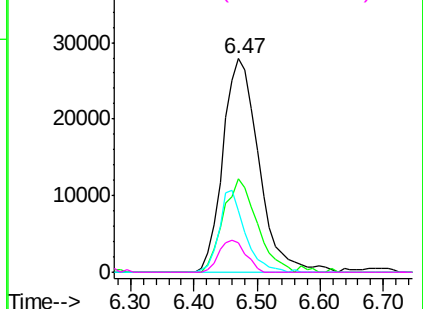
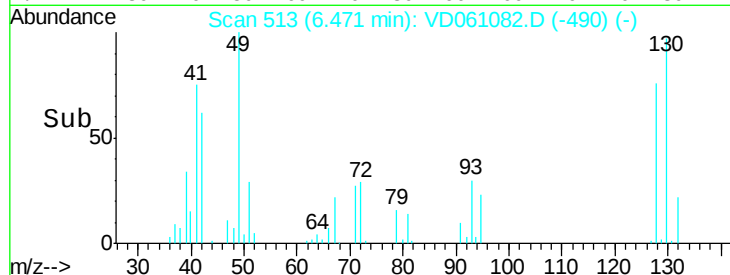
#41
Methacrylonitrile
Concen: 19.612 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tot Ion: 41 Resp: 110326
Ion Ratio Lower Upper
41 100
39 43.7 35.7 53.5
67 28.8 23.0 34.6
52 13.9 9.2 13.8#

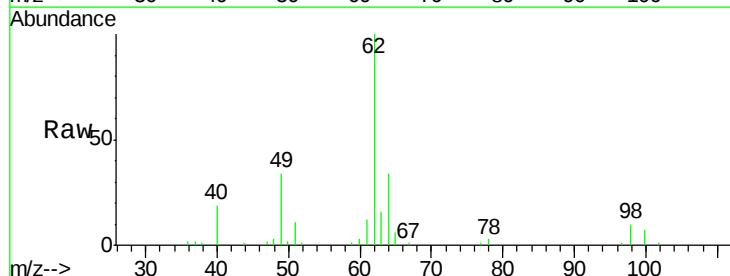


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

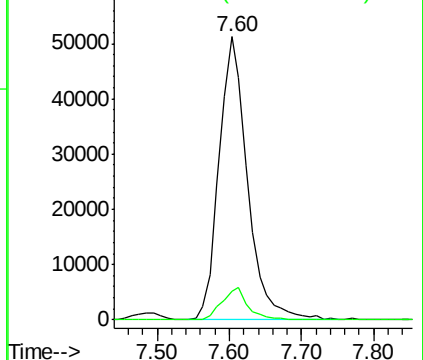
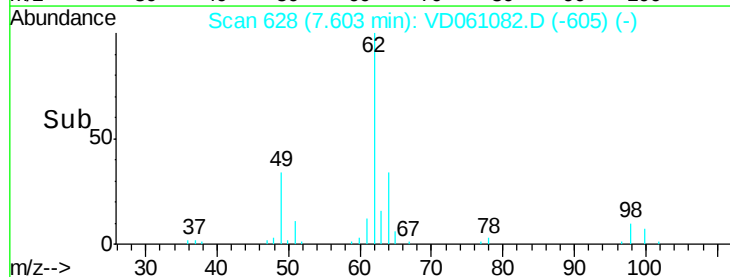


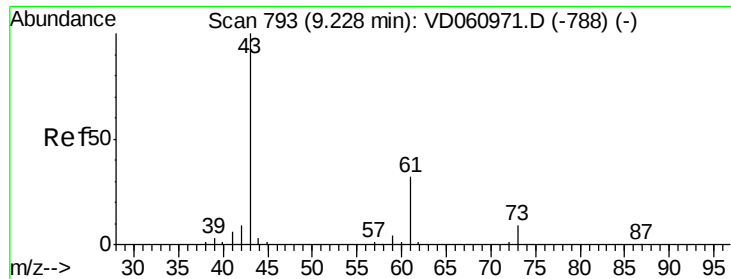
#42
1,2-Dichloroethane
Concen: 18.486 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 62 Resp: 139703
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.4



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



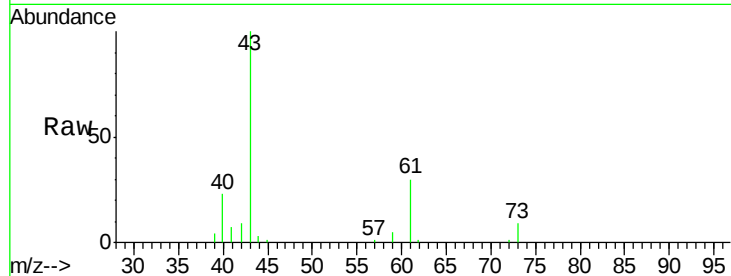


#43

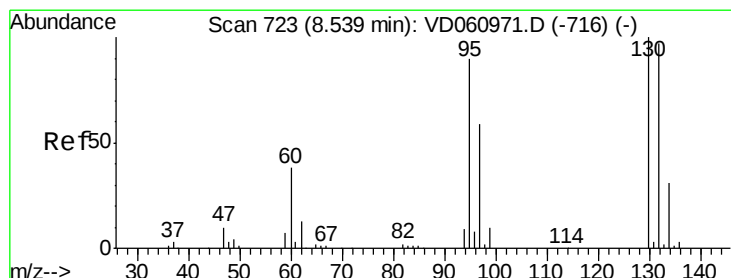
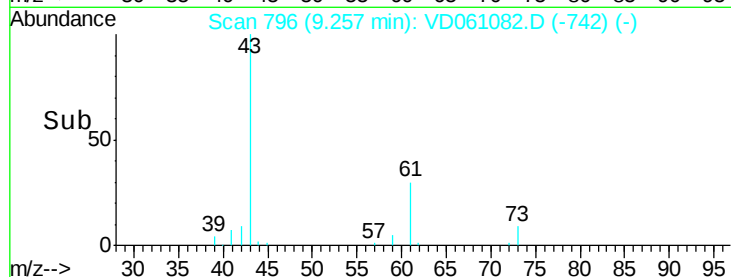
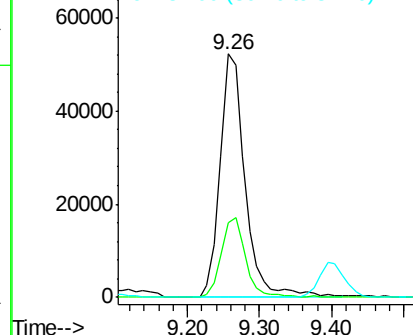
Isopropyl Acetate
 Concen: 18.506 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tot Ion: 43 Resp: 125355
 Ion Ratio Lower Upper
 43 100
 61 30.4 25.6 38.4
 87 0.0 0.2 0.4#



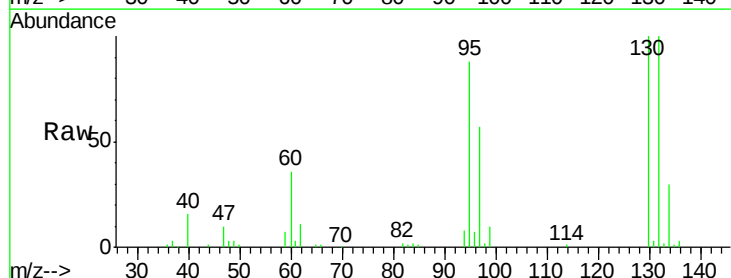
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



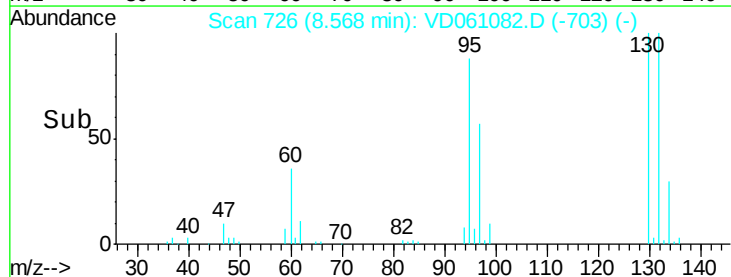
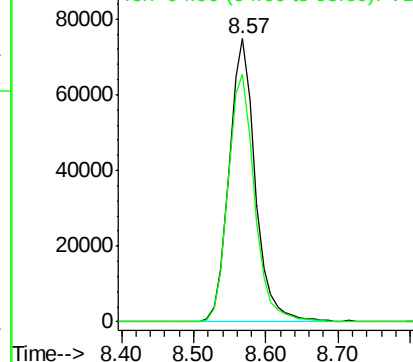
#44

Trichloroethene
 Concen: 20.961 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 130 Resp: 188321
 Ion Ratio Lower Upper
 130 100
 95 87.6 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 17.929 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

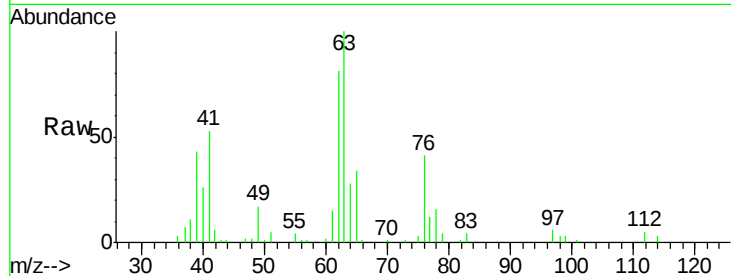
VD0315SBS01

Tot Ion: 63 Resp: 122662

Ion Ratio Lower Upper

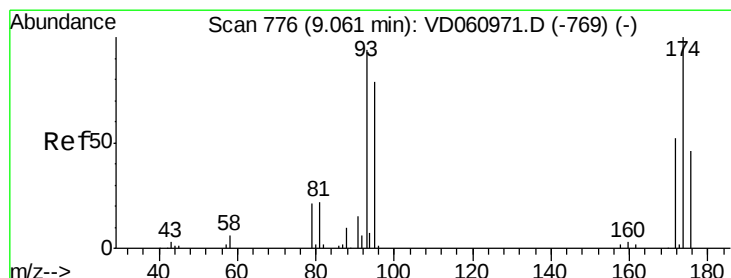
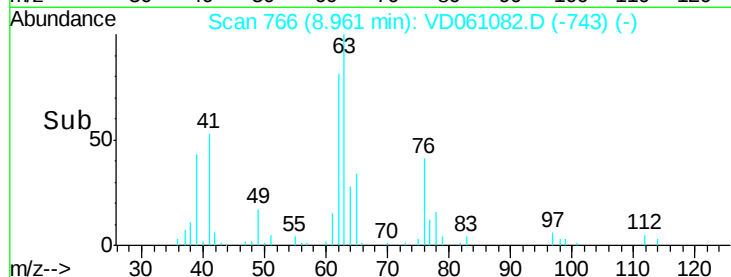
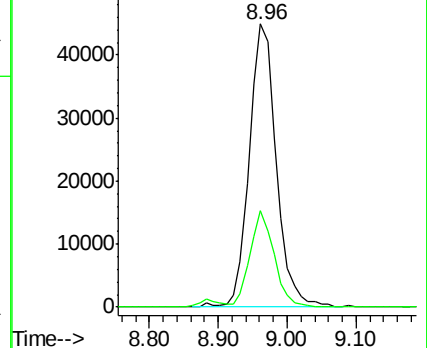
63 100

65 34.2 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.672 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

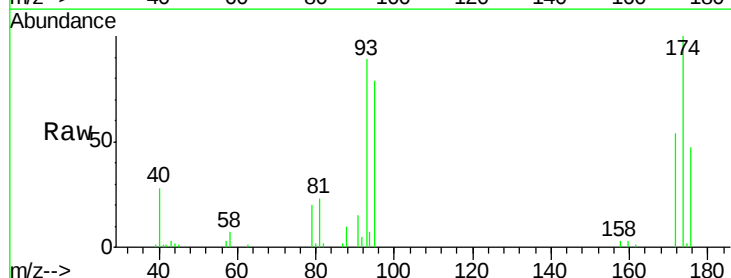
Tgt Ion: 93 Resp: 81035

Ion Ratio Lower Upper

93 100

95 89.3 67.4 101.0

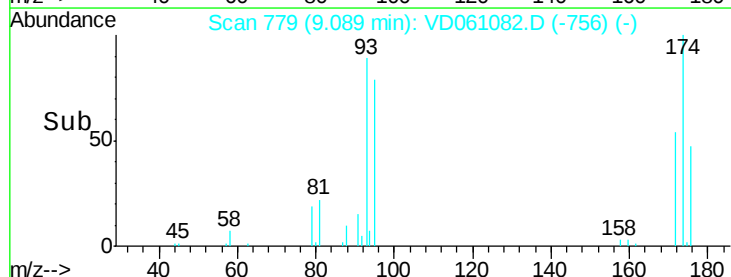
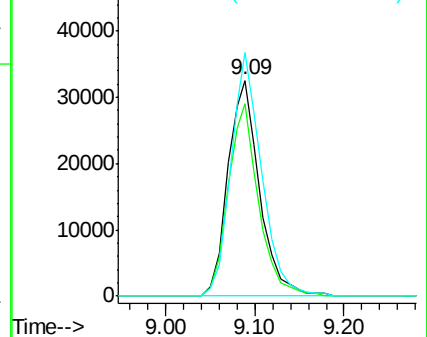
174 112.7 85.4 128.0

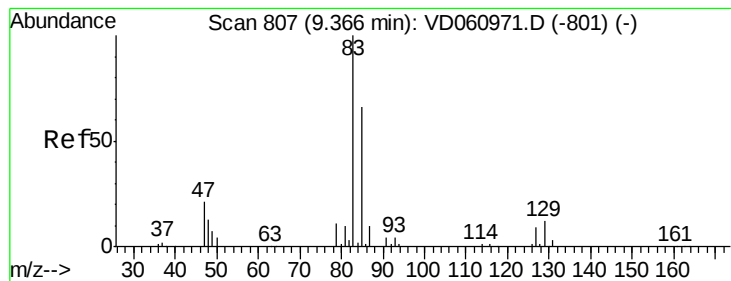


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.307 ug/l

RT: 9.40 min Scan# 811

Delta R.T. 0.04 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBSD01

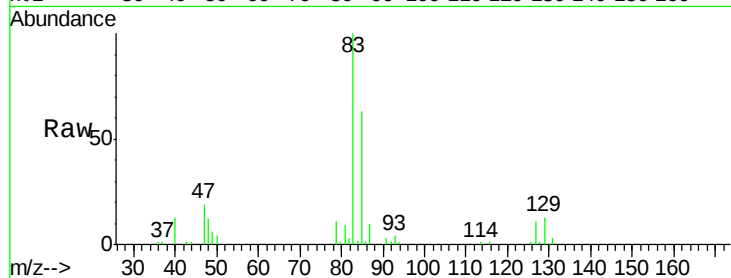
Tot Ion: 83 Resp: 189076

Ion Ratio Lower Upper

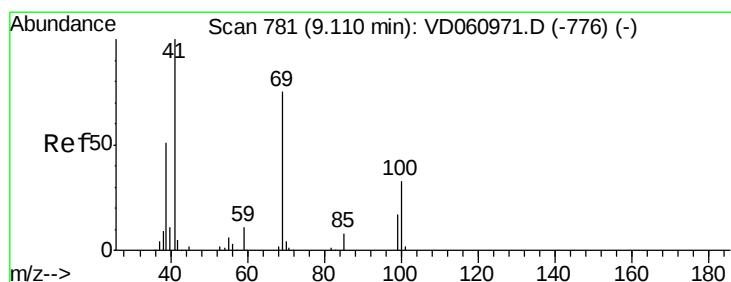
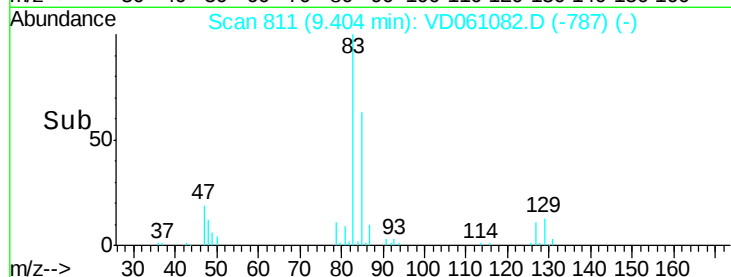
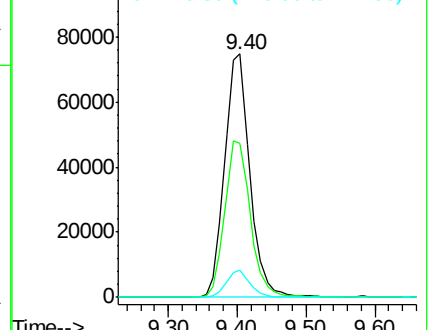
83 100

85 63.4 52.5 78.7

127 11.1 7.5 11.3



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: 19.572 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.04 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

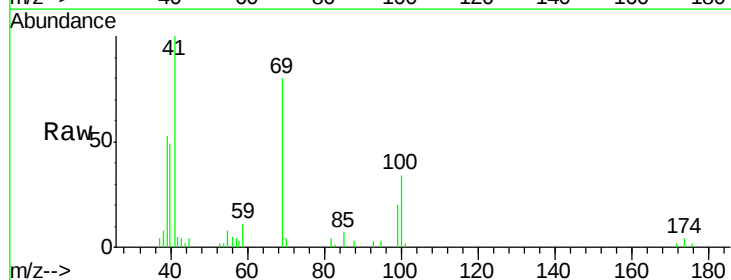
Tgt Ion: 41 Resp: 74643

Ion Ratio Lower Upper

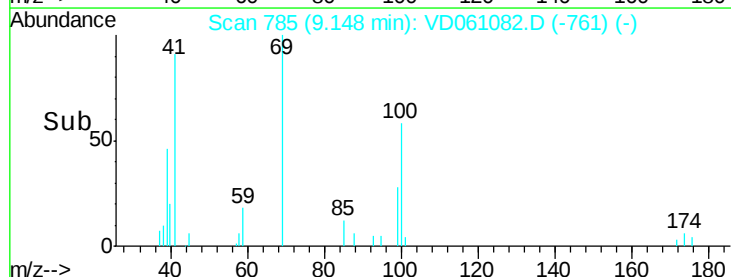
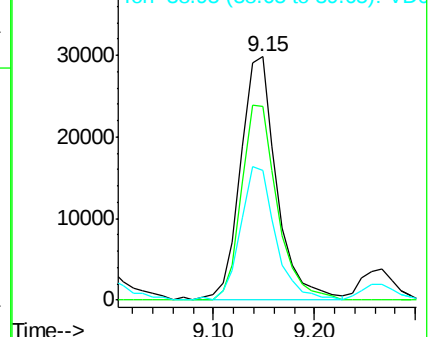
41 100

69 79.7 59.9 89.9

39 53.4 40.9 61.3



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: 403.529 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.04 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

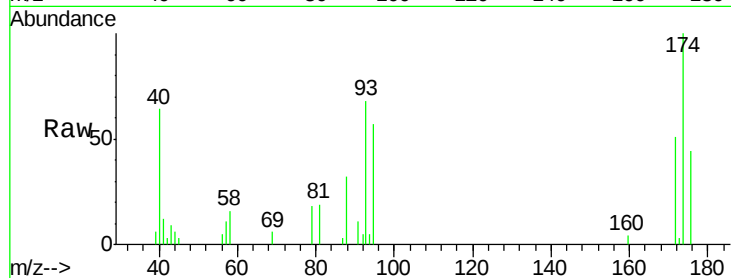
Tot Ion: 88 Resp: 15562

Ion Ratio Lower Upper

88 100

43 27.3 21.0 31.6

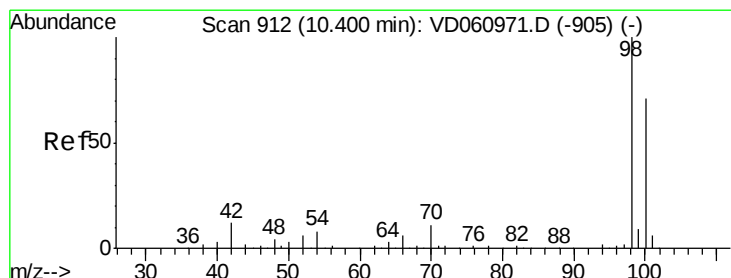
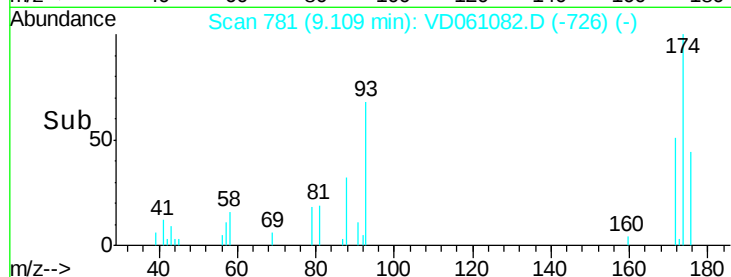
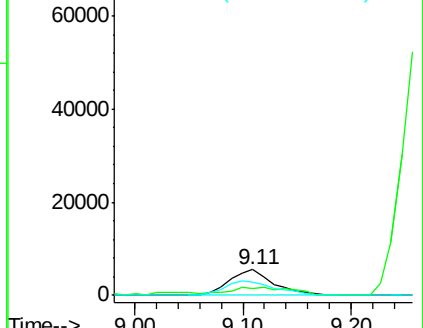
58 50.6 48.6 72.8



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: 403.529 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061082.D

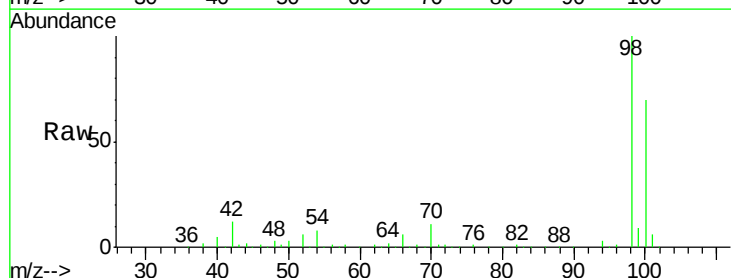
Acq: 15 Mar 2019 12:58

Tgt Ion: 98 Resp: 1053237

Ion Ratio Lower Upper

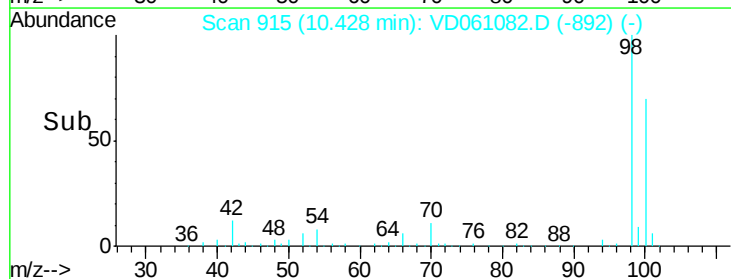
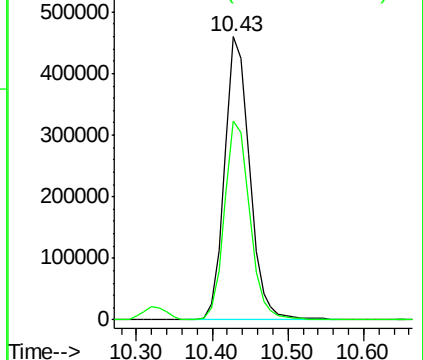
98 100

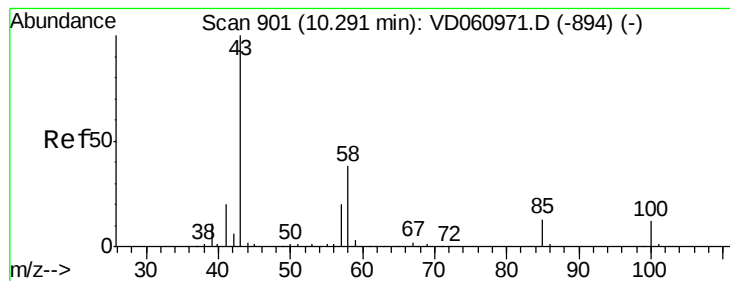
100 70.4 57.4 86.2



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: 96.046 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

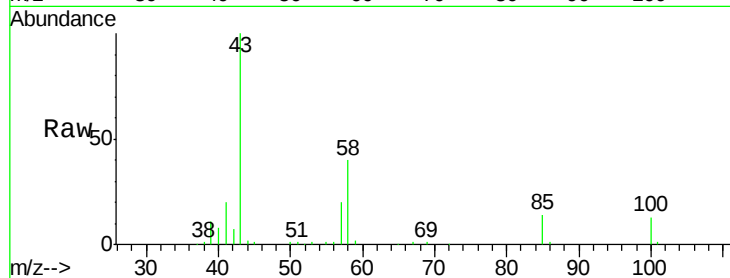
VD0315SBS01

Tot Ion: 43 Resp: 398568

Ion Ratio Lower Upper

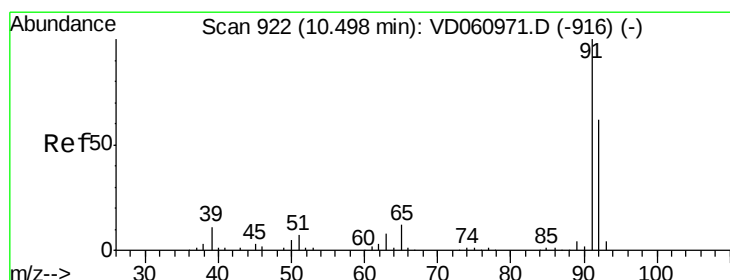
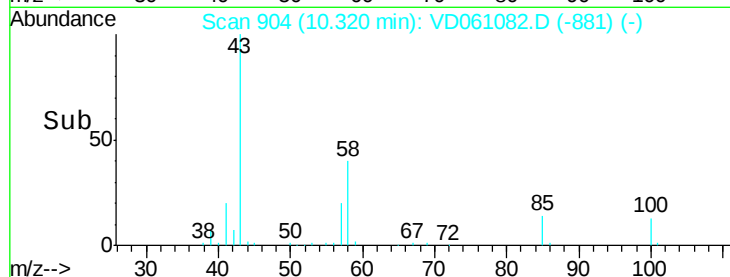
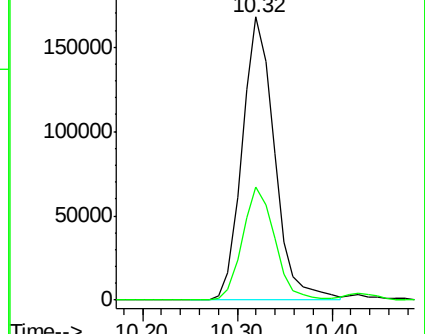
43 100

58 40.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.537 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061082.D

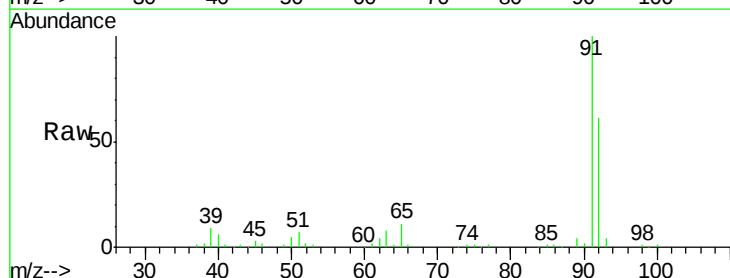
Acq: 15 Mar 2019 12:58

Tgt Ion: 92 Resp: 332568

Ion Ratio Lower Upper

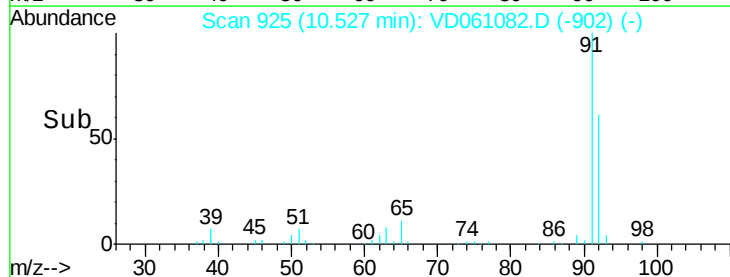
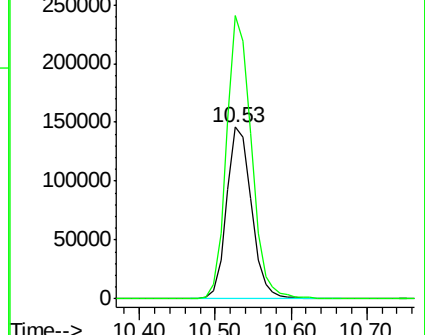
92 100

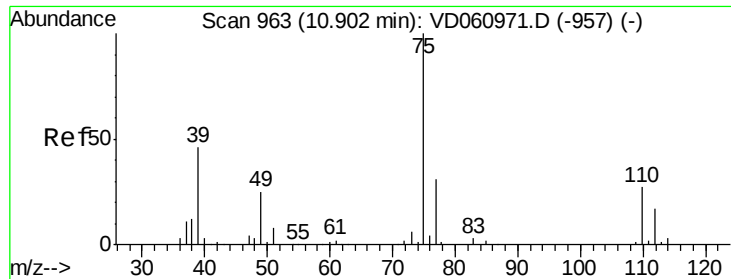
91 164.8 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

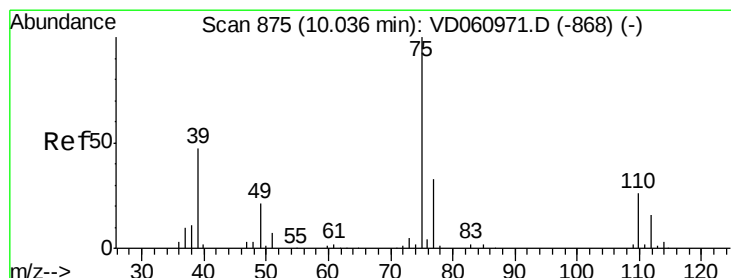
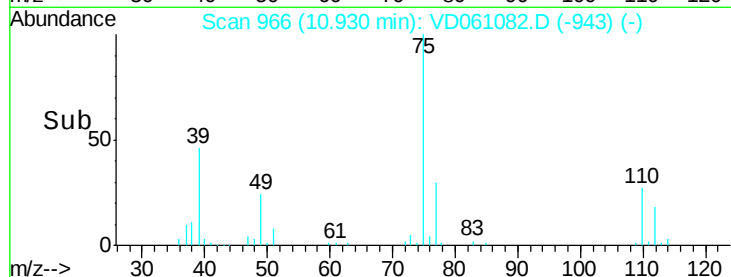
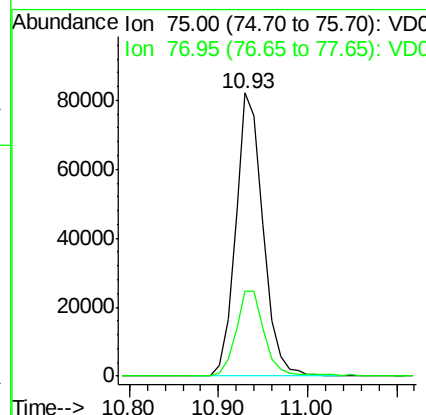
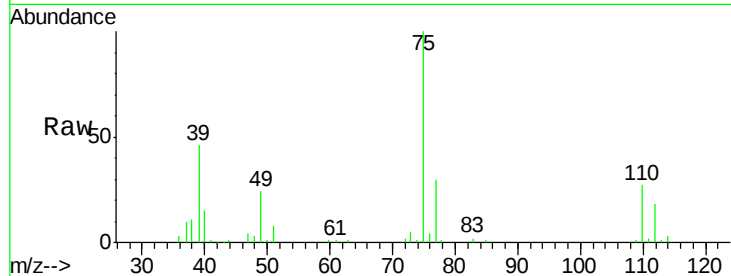




#53
 t-1,3-Dichloropropene
 Concen: 19.587 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

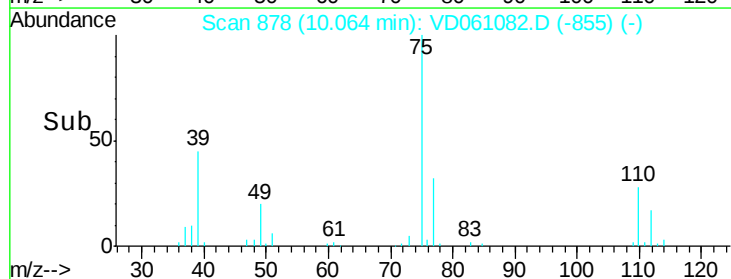
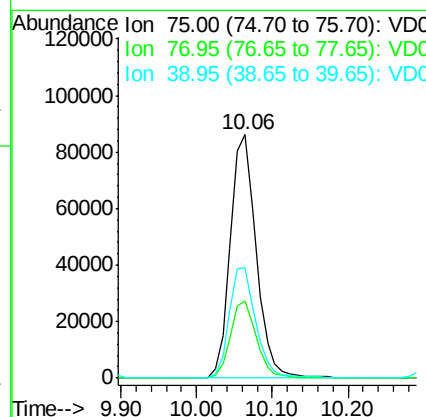
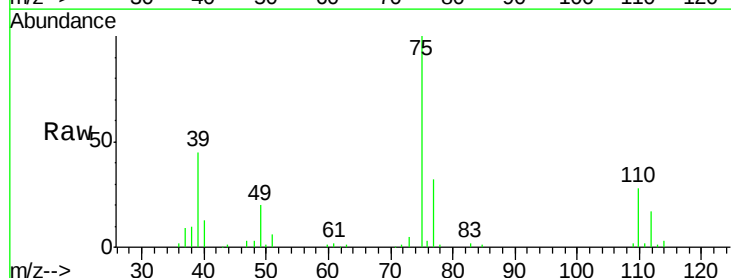
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tot Ion: 75 Resp: 175401
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 18.912 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 75 Resp: 203483
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.4
 39 45.2 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 20.297 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

Tot Ion: 97 Resp: 109456

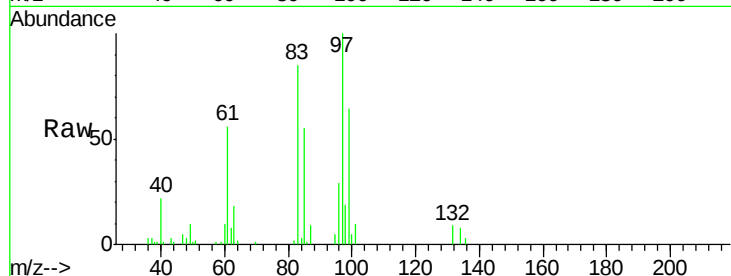
Ion Ratio Lower Upper

97 100

83 85.5 66.6 100.0

85 54.9 46.4 69.6

99 63.9 52.4 78.6

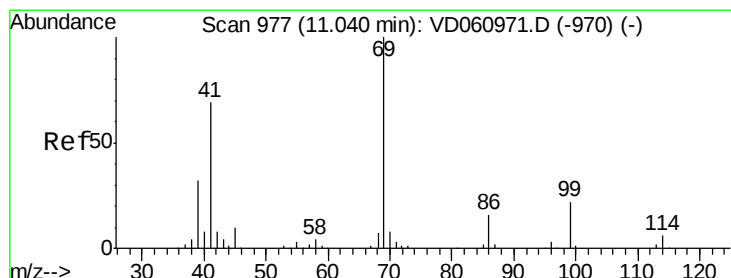
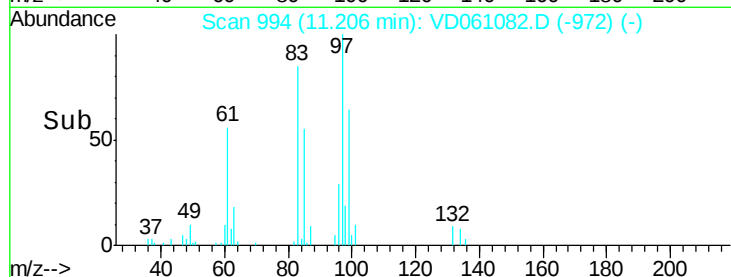
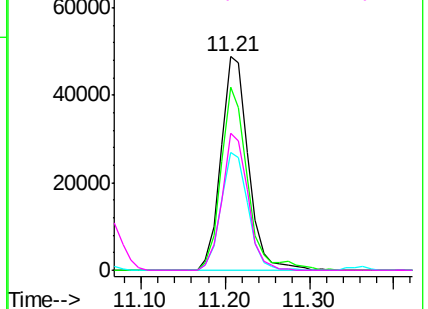


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.084 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

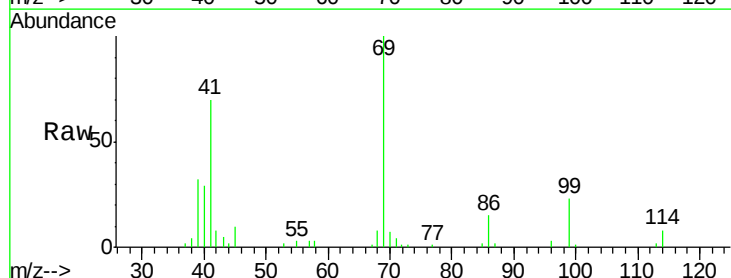
Tgt Ion: 69 Resp: 107722

Ion Ratio Lower Upper

69 100

41 69.7 55.5 83.3

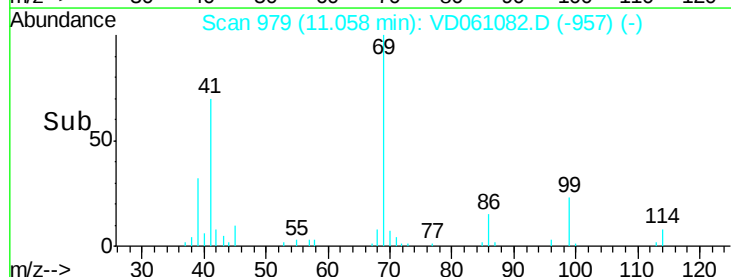
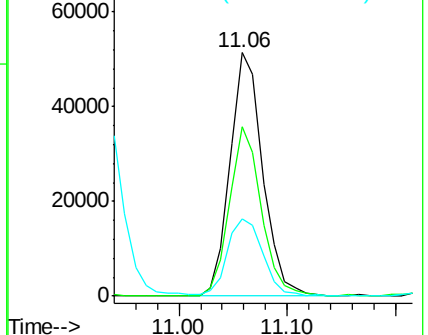
39 31.8 26.2 39.2

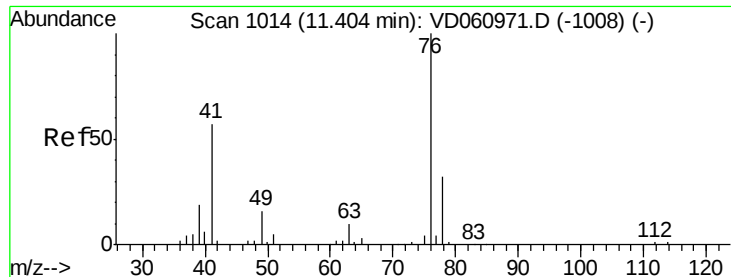


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.085 ug/l

RT: 11.43 min Scan# 1017

Delta R.T. 0.03 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

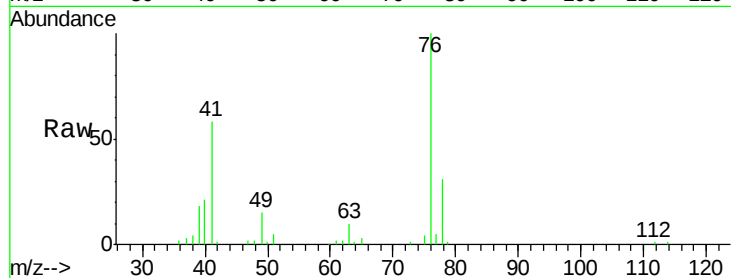
VD0315SBS01

Tot Ion: 76 Resp: 161862

Ion Ratio Lower Upper

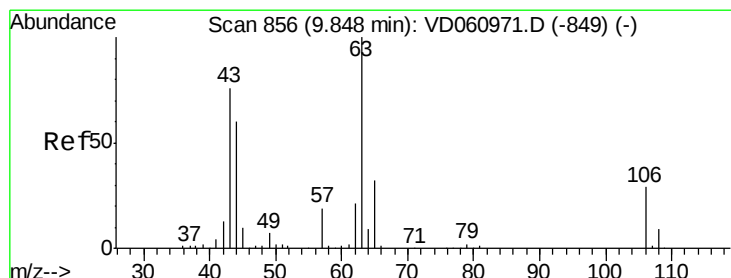
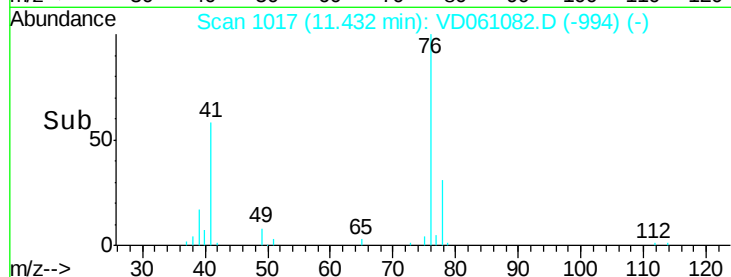
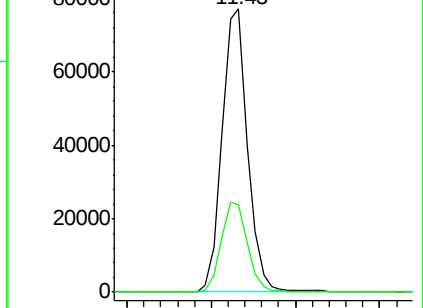
76 100

78 30.8 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: 93.434 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD061082.D

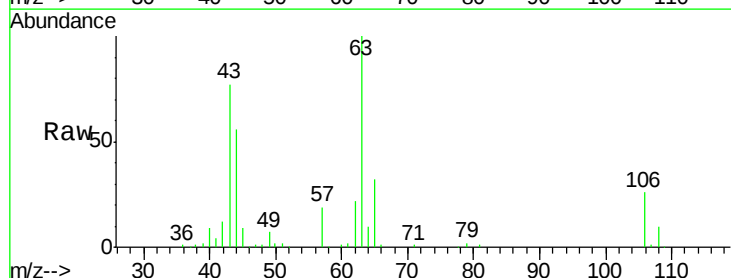
Acq: 15 Mar 2019 12:58

Tgt Ion: 63 Resp: 279172

Ion Ratio Lower Upper

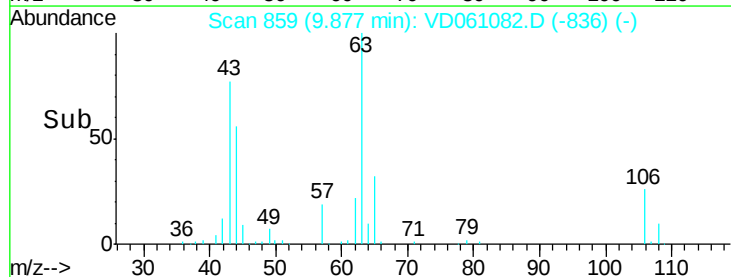
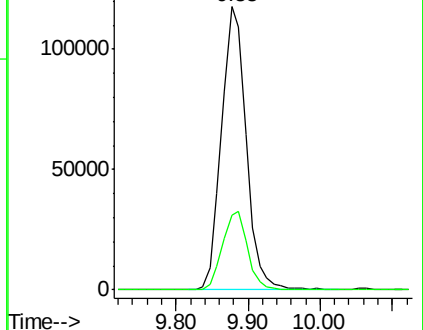
63 100

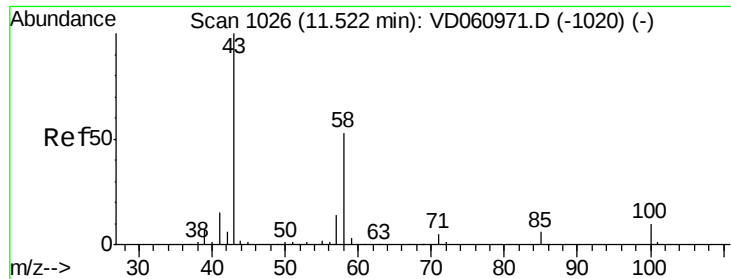
106 26.4 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

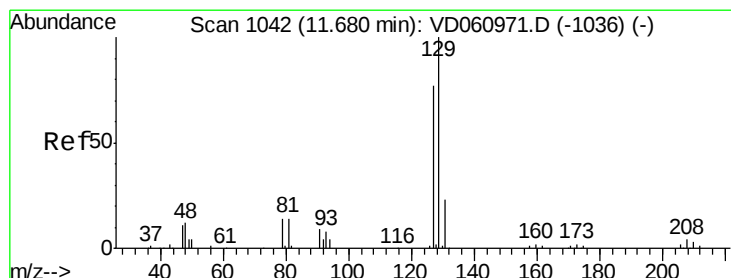
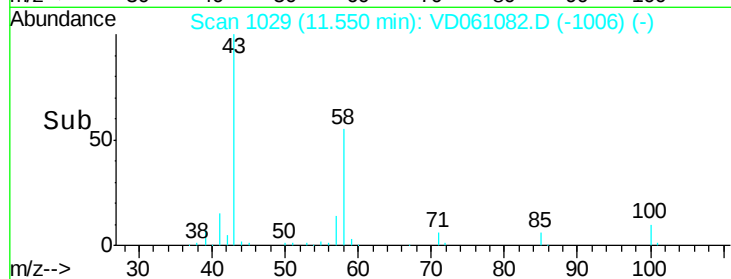
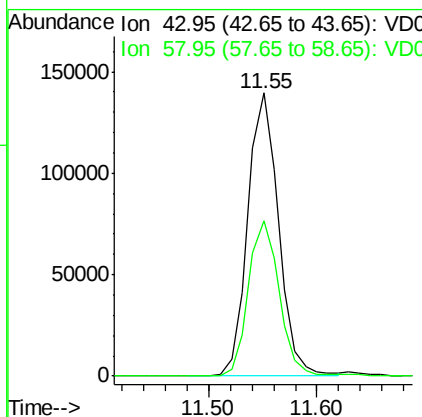
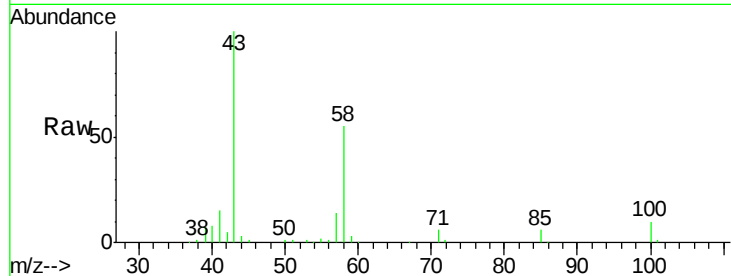




#59
2-Hexanone
Concen: 91.330 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

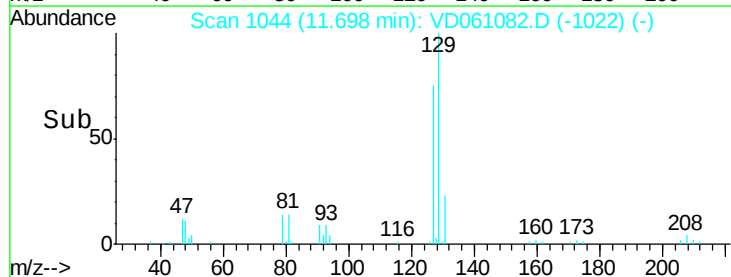
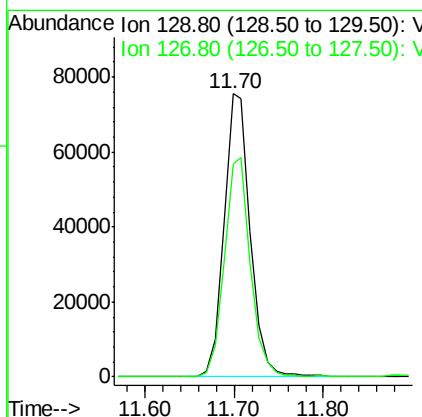
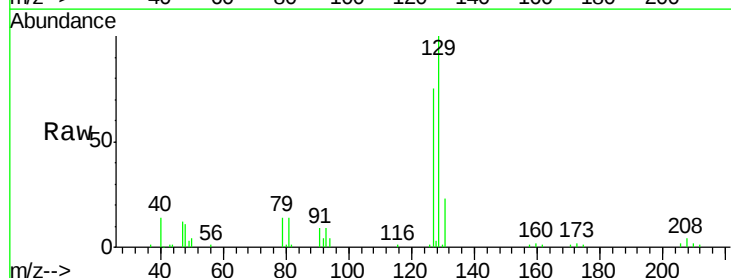
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tot Ion: 43 Resp: 277233
Ion Ratio Lower Upper
43 100
58 55.0 26.5 79.5



#60
Dibromochloromethane
Concen: 19.644 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 129 Resp: 155908
Ion Ratio Lower Upper
129 100
127 75.3 38.3 114.9

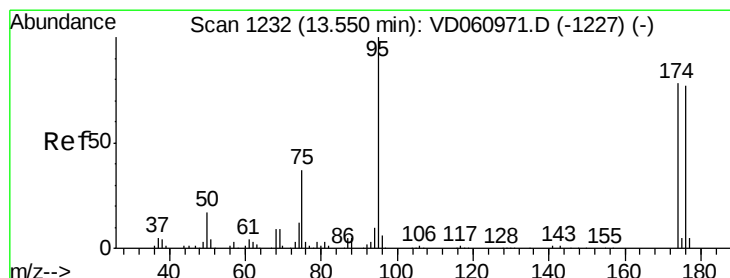
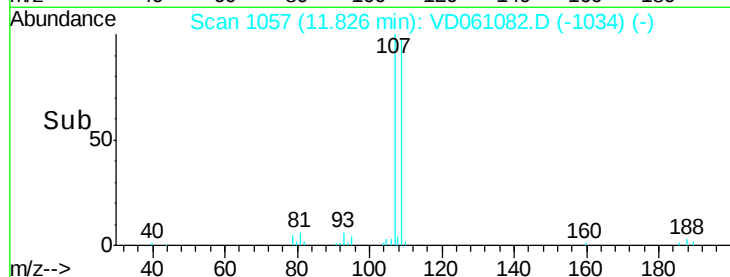
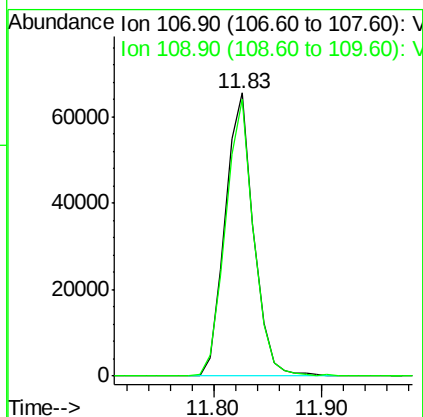
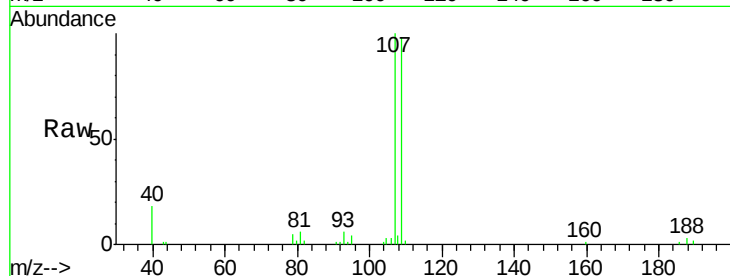




#61
 1,2-Dibromoethane
 Concen: 19.063 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

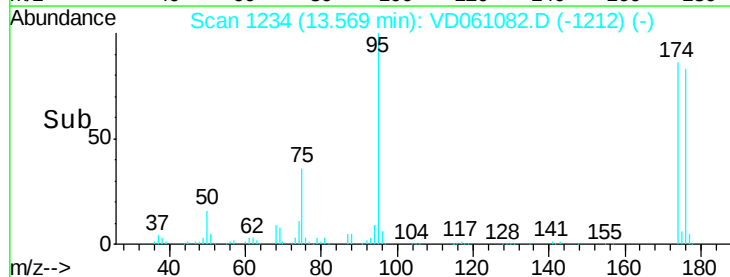
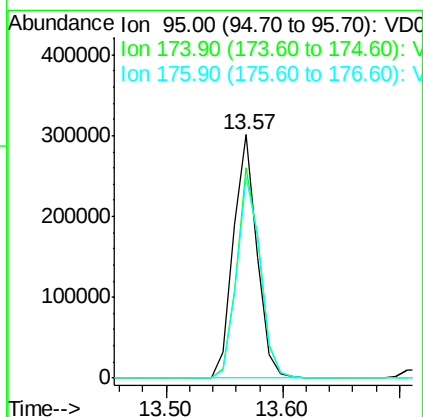
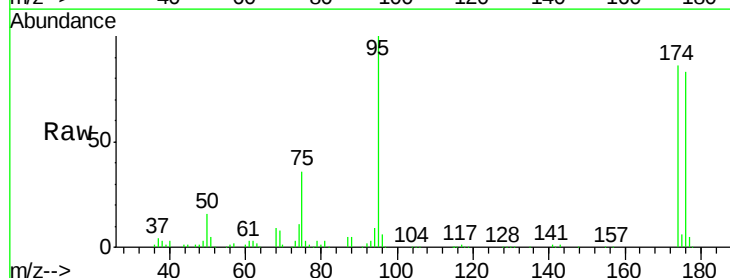
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

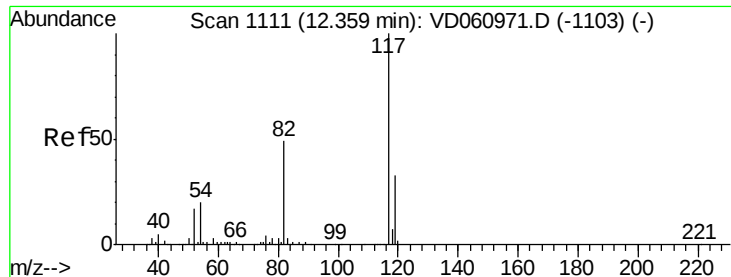
Tot Ion:107 Resp: 119590
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.063 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 95 Resp: 420347
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 155.6
 176 82.5 0.0 153.8

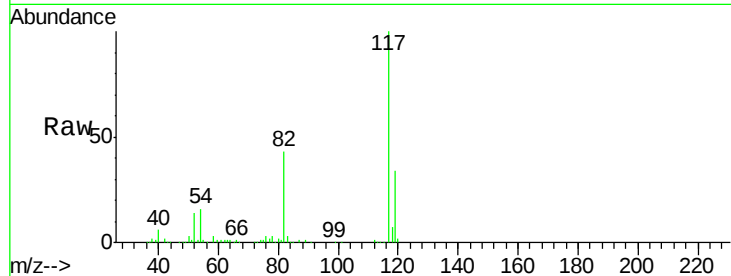




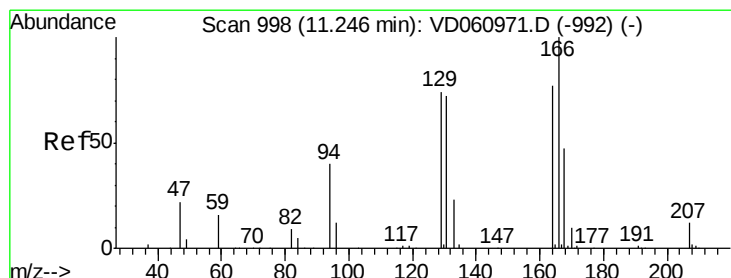
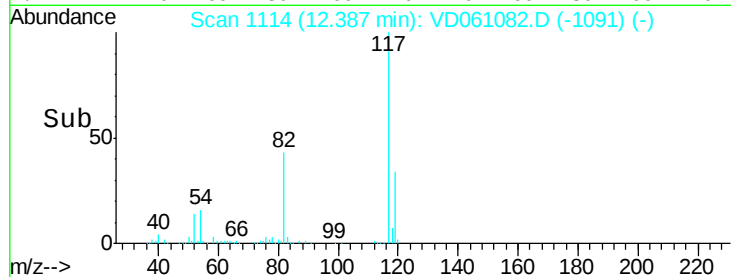
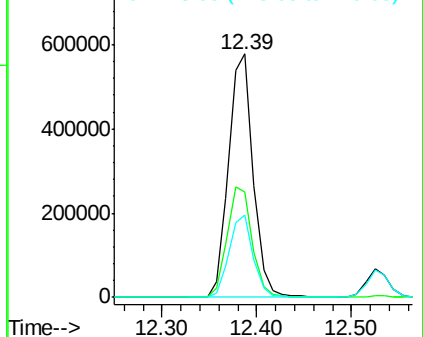
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tot Ion:117 Resp: 1036834
Ion Ratio Lower Upper
117 100
82 43.2 38.9 58.3
119 33.8 26.6 39.8

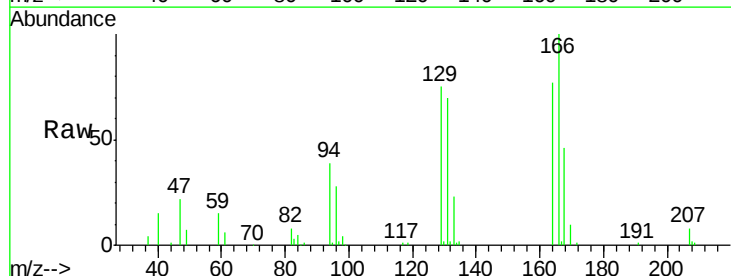


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

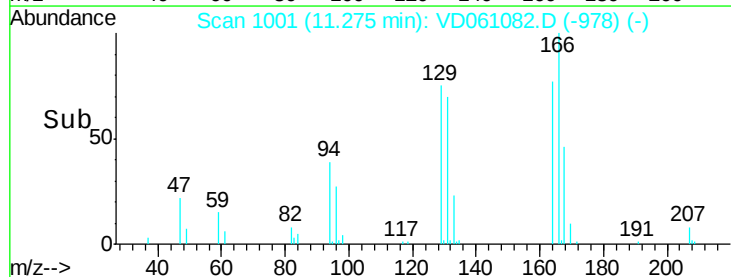
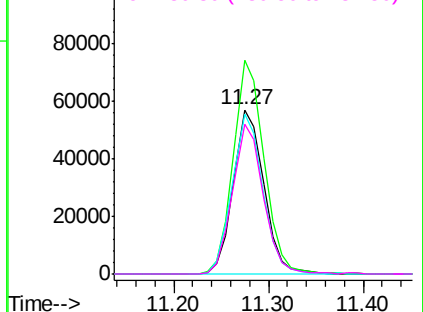


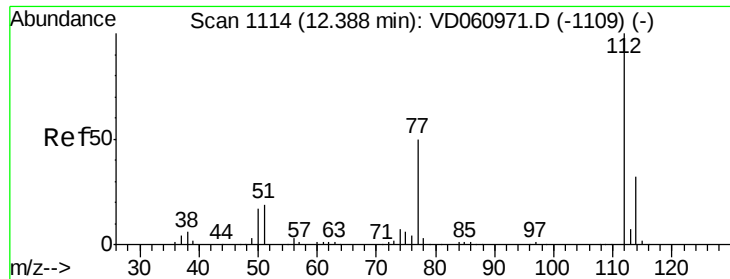
#64
Tetrachloroethene
Concen: 18.281 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion:164 Resp: 127947
Ion Ratio Lower Upper
164 100
166 130.3 103.4 155.0
129 97.5 76.9 115.3
131 91.1 74.4 111.6



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

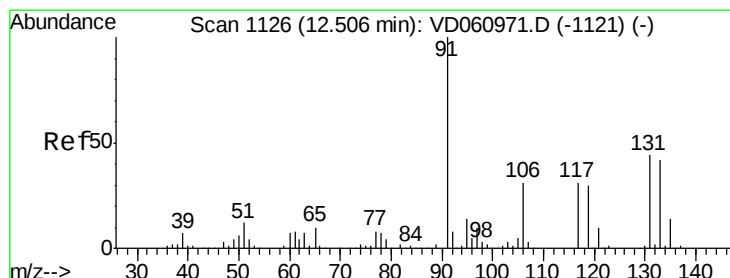
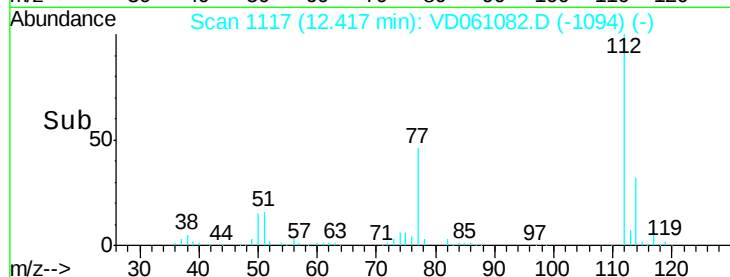
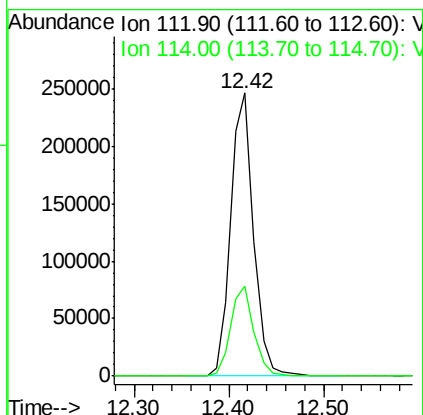
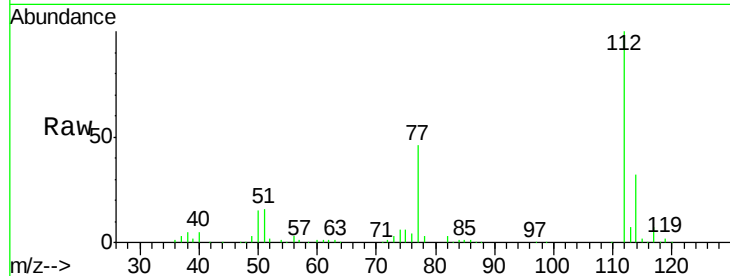




#65
Chlorobenzene
Concen: 20.168 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

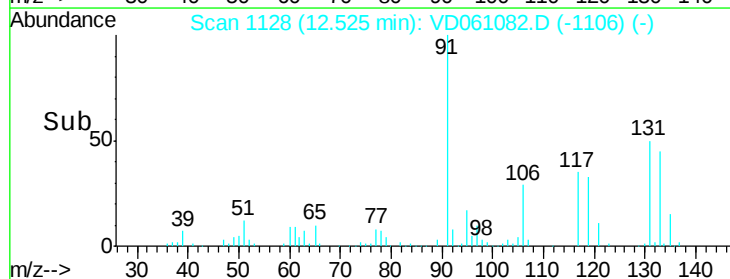
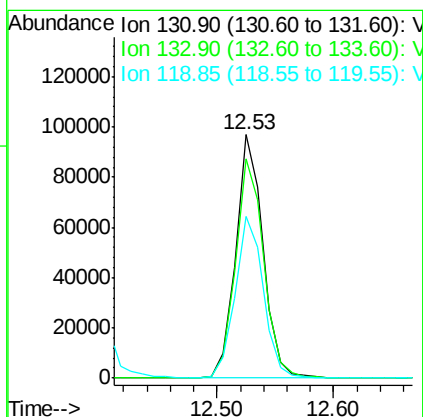
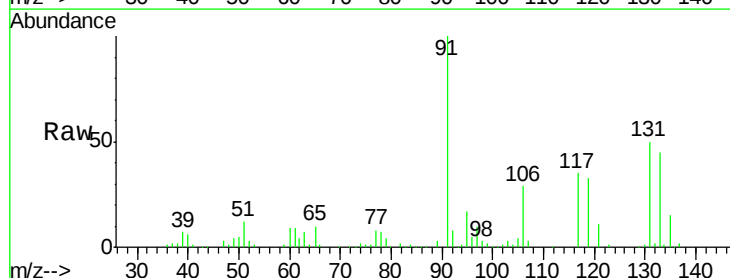
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

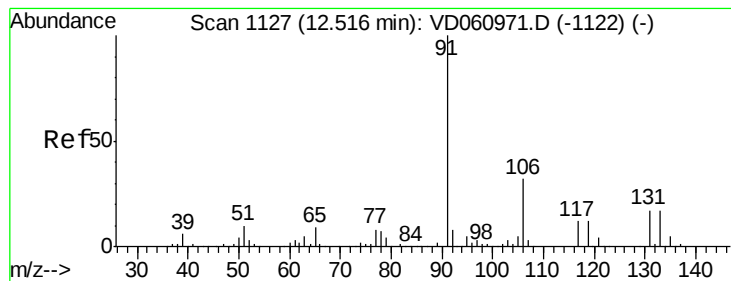
Tot Ion:112 Resp: 409947
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.551 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion:131 Resp: 156142
Ion Ratio Lower Upper
131 100
133 90.1 47.8 143.3
119 66.6 34.3 102.9





#67

Ethyl Benzene

Concen: 20.732 ug/l

RT: 12.53 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

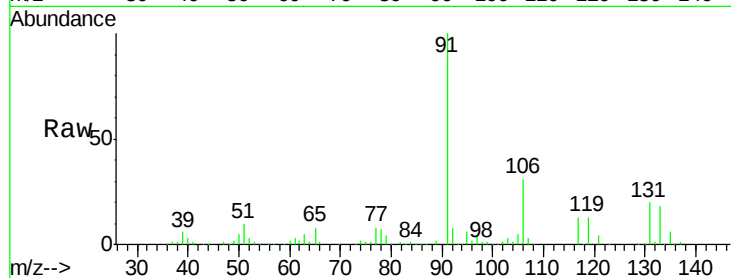
VD0315SBS01

Tot Ion: 91 Resp: 627370

Ion Ratio Lower Upper

91 100

106 31.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD061082.D (-1122) (-)

Ion 106.05 (105.75 to 106.75): VD061082.D (-1122) (-)

12.53

400000

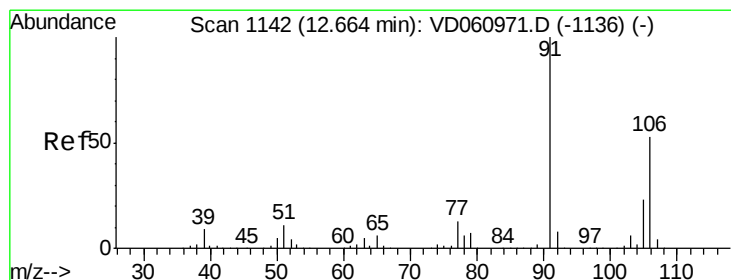
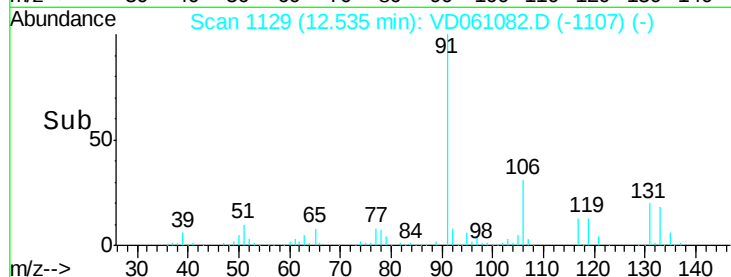
300000

200000

100000

0

Time-->



#68

m/p-Xylenes

Concen: 37.814 ug/l

RT: 12.68 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VD061082.D

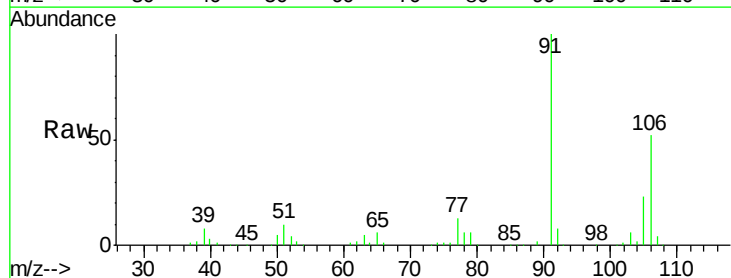
Acq: 15 Mar 2019 12:58

Tgt Ion: 106 Resp: 449124

Ion Ratio Lower Upper

106 100

91 191.3 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): VD061082.D (-1122) (-)

Ion 91.00 (90.70 to 91.70): VD061082.D (-1122) (-)

12.68

400000

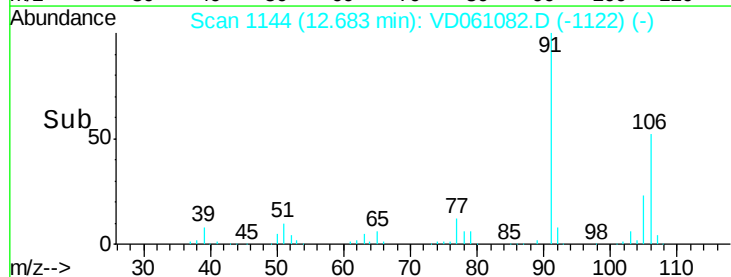
300000

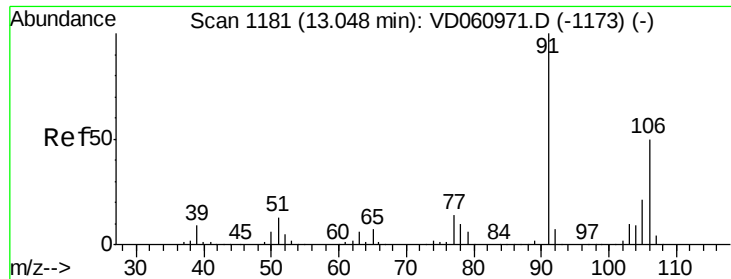
200000

100000

0

Time-->

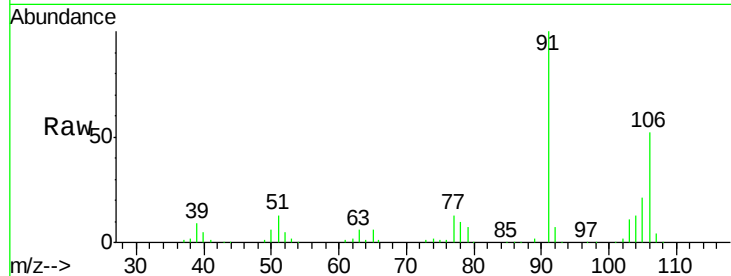




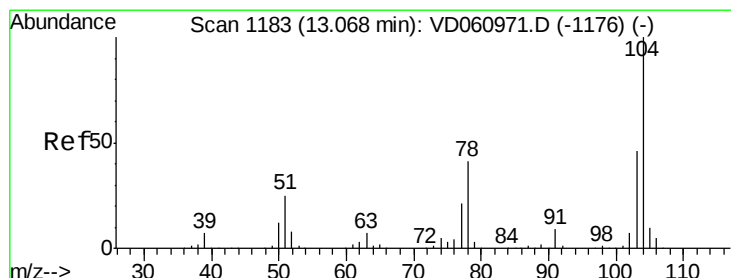
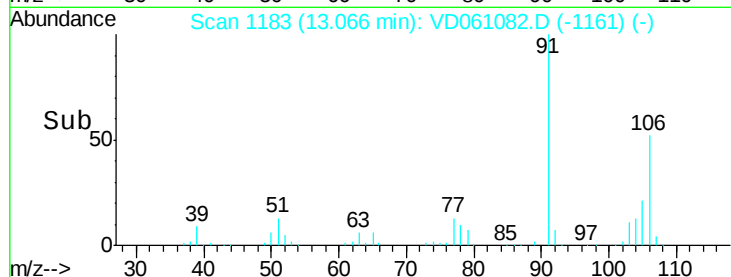
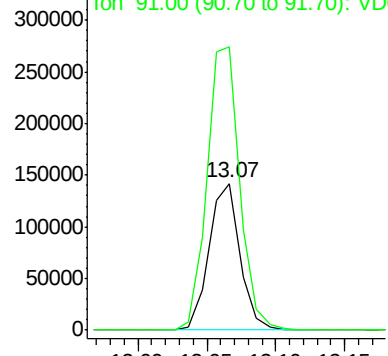
#69
o-Xylene
Concen: 19.152 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tot Ion:106 Resp: 223592
Ion Ratio Lower Upper
106 100
91 192.9 99.8 299.3

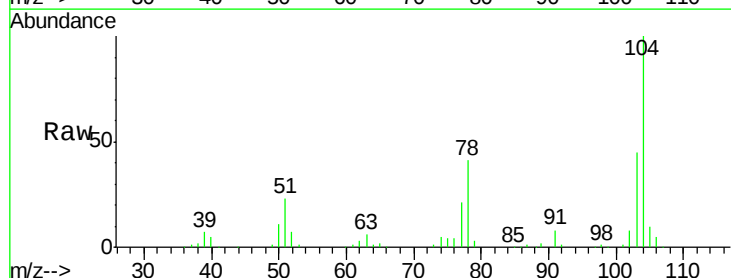


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

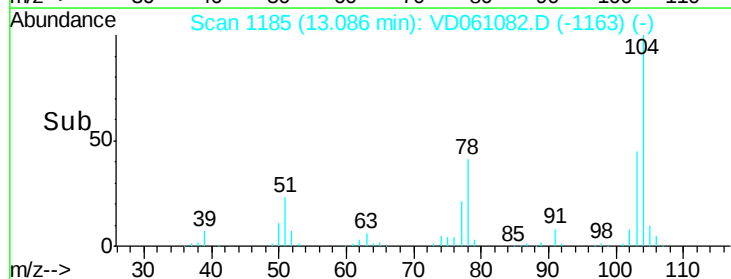
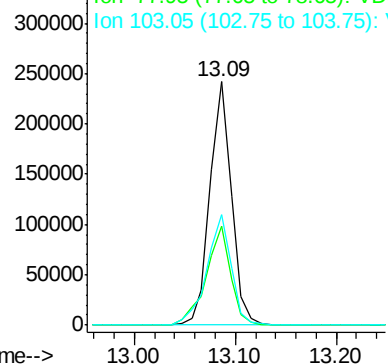


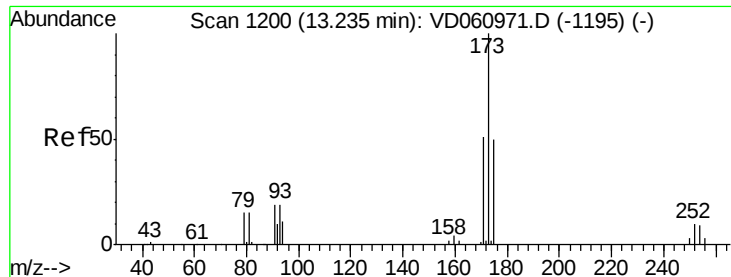
#70
Styrene
Concen: 18.788 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion:104 Resp: 358178
Ion Ratio Lower Upper
104 100
78 40.5 33.0 49.4
103 45.4 37.1 55.7



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





#71

Bromoform

Concen: 19.984 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBSD01

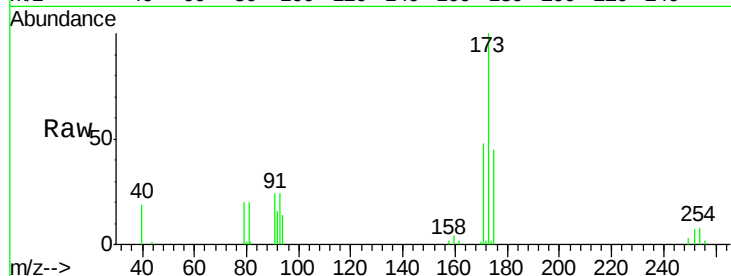
Tot Ion:173 Resp: 93404

Ion Ratio Lower Upper

173 100

175 45.3 24.9 74.8

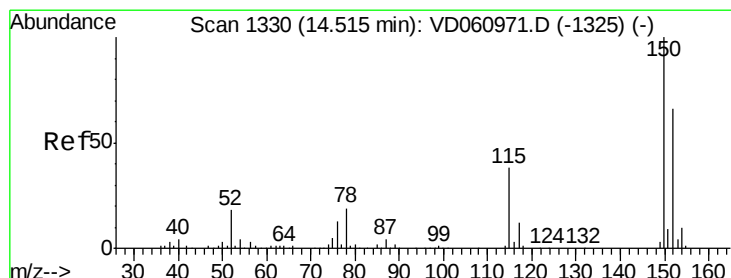
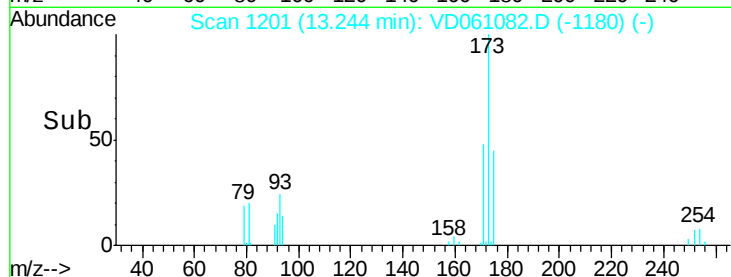
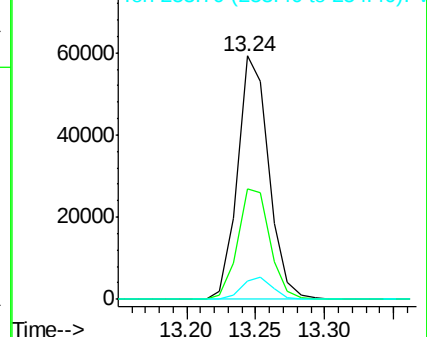
254 7.5 7.3 10.9



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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

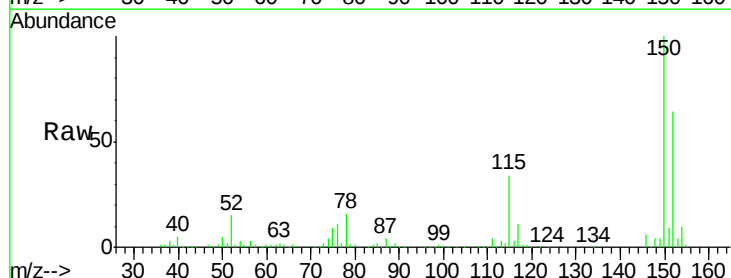
Tgt Ion:152 Resp: 447739

Ion Ratio Lower Upper

152 100

115 52.5 28.6 85.9

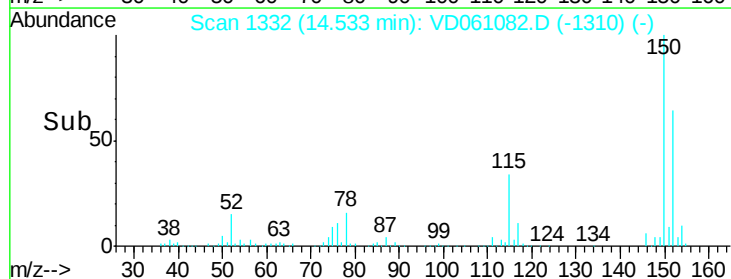
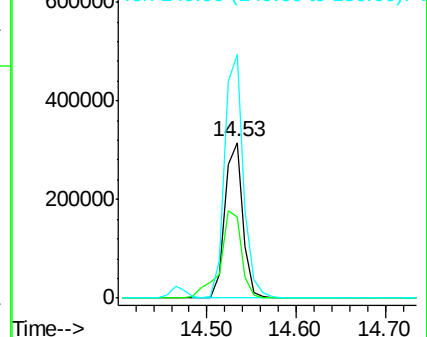
150 156.4 0.0 310.6

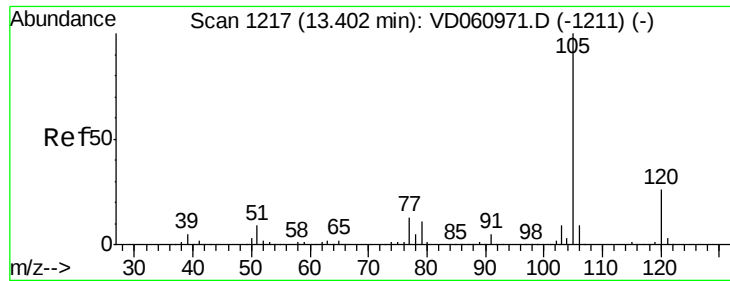


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.209 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

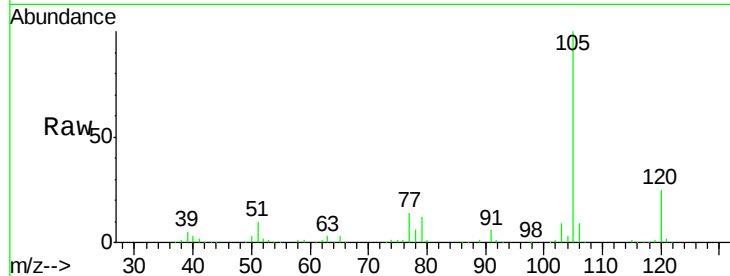
VD0315SBSD01

Tot Ion:105 Resp: 652110

Ion Ratio Lower Upper

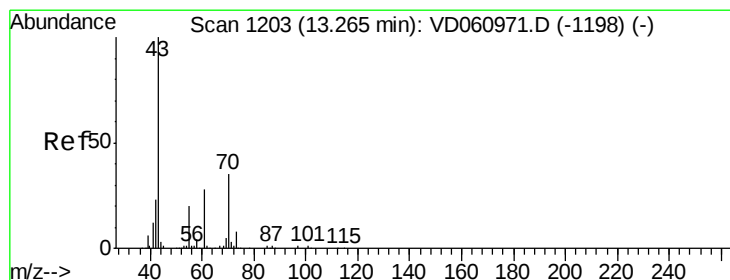
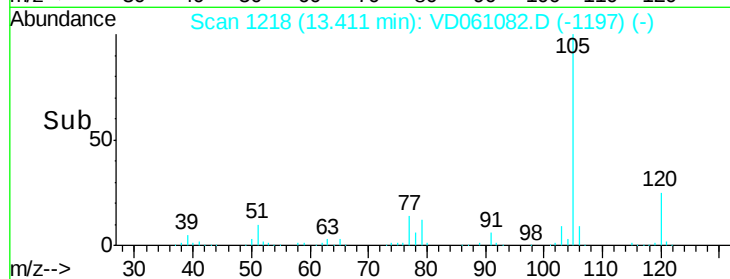
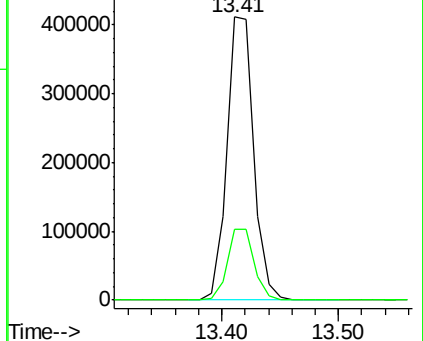
105 100

120 25.1 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.709 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Tgt Ion: 43 Resp: 160898

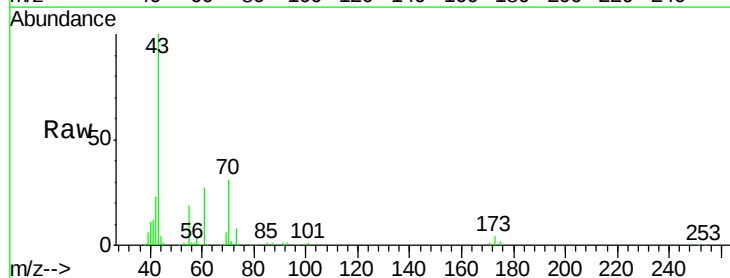
Ion Ratio Lower Upper

43 100

70 30.7 27.7 41.5

55 19.4 16.2 24.2

61 27.0 22.3 33.5

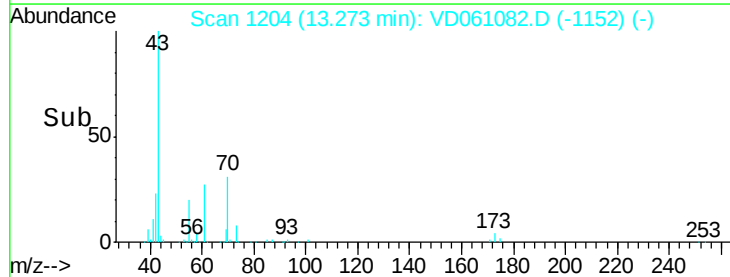
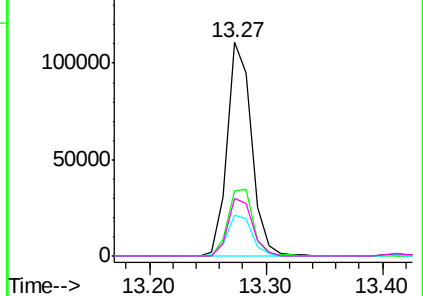


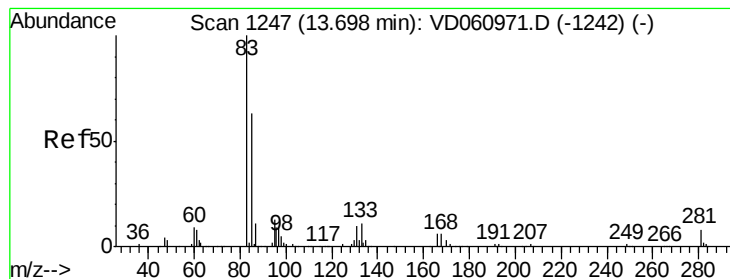
Abundance Ion 42.95 (42.65 to 43.65): V

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: 18.551 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

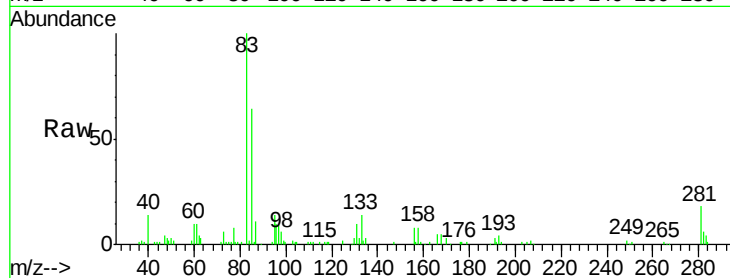
Tot Ion: 83 Resp: 116789

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	63.5	31.5	94.5

83 100

131 9.9 5.1 15.3

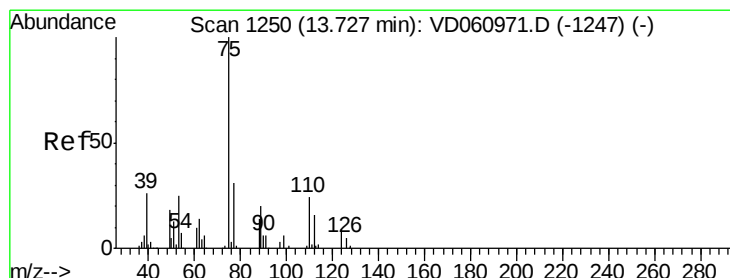
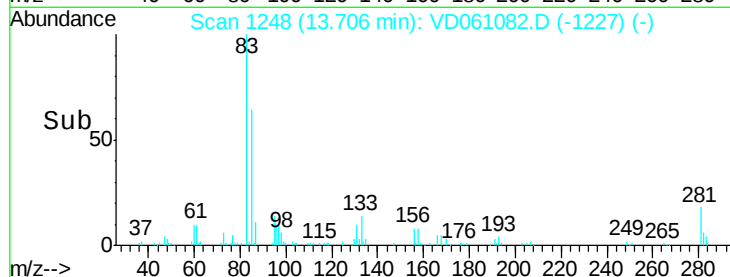
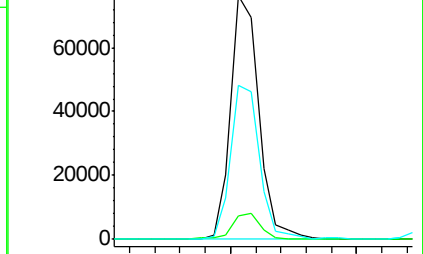
85 63.5 31.5 94.5



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: 19.018 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061082.D

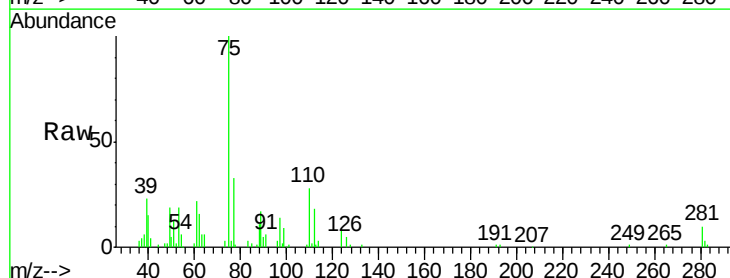
Acq: 15 Mar 2019 12:58

Tgt Ion: 75 Resp: 122503

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.6	49.7

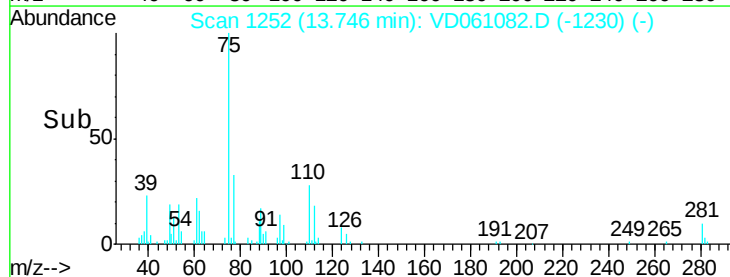
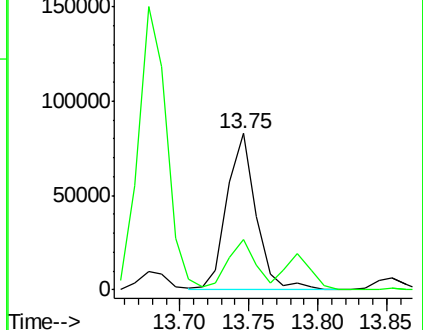
75 100

77 32.6 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.272 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

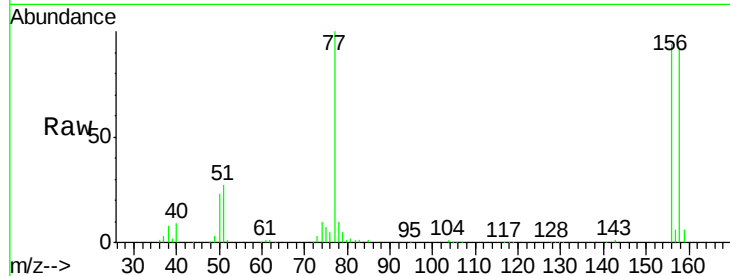
Tot Ion:156 Resp: 166982

Ion Ratio Lower Upper

156 100

77 106.6 55.5 166.7

158 98.5 49.0 147.0



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

13.69

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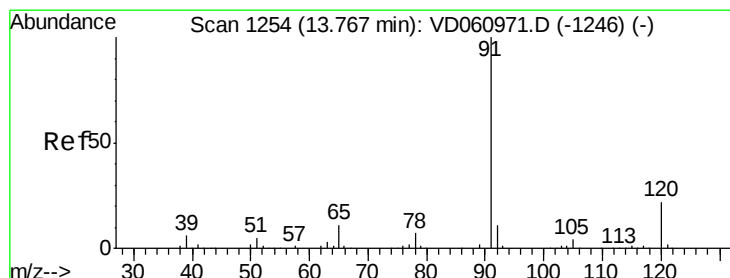
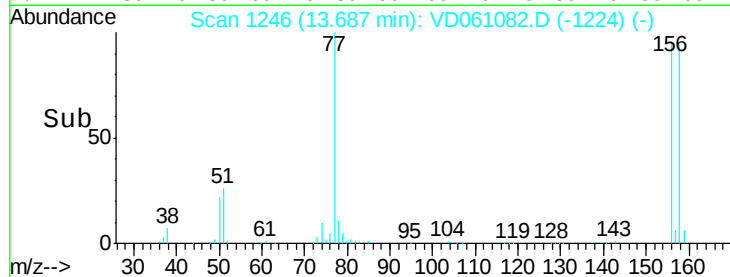
13.69

13.69

13.69

13.69

13.69



#78

n-propylbenzene

Concen: 19.784 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061082.D

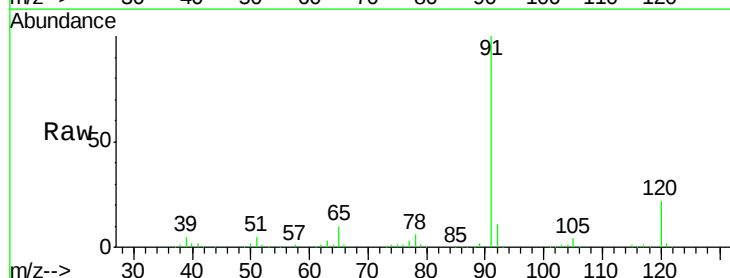
Acq: 15 Mar 2019 12:58

Tgt Ion: 91 Resp: 747335

Ion Ratio Lower Upper

91 100

120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.79

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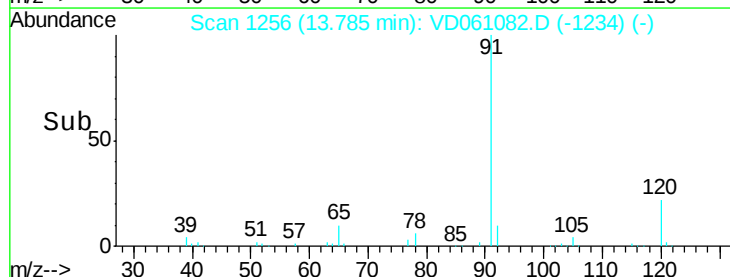
13.79

13.79

13.79

13.79

13.79



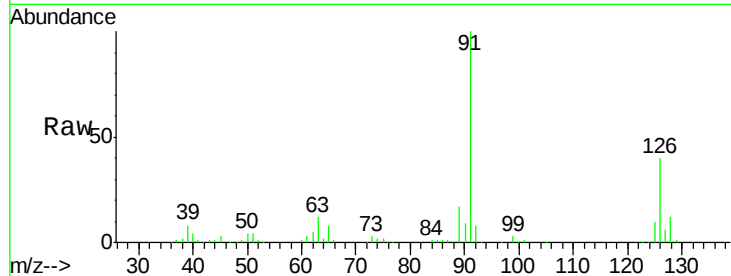
Time-->



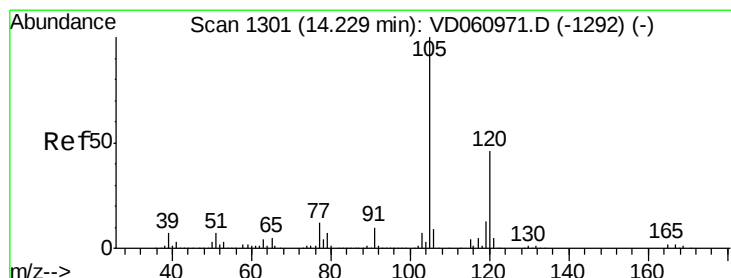
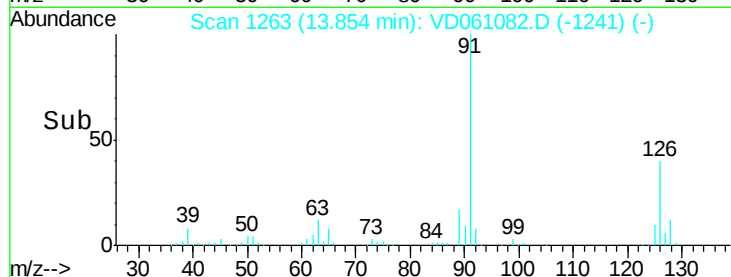
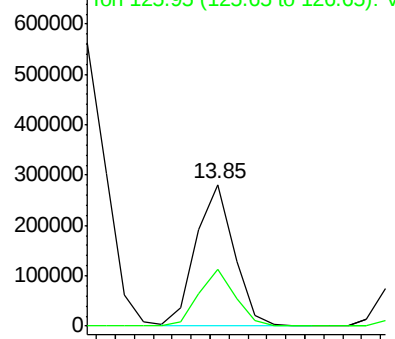
#79
 2-Chlorotoluene
 Concen: 18.549 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tot Ion: 91 Resp: 385769
 Ion Ratio Lower Upper
 91 100
 126 39.8 18.6 55.6

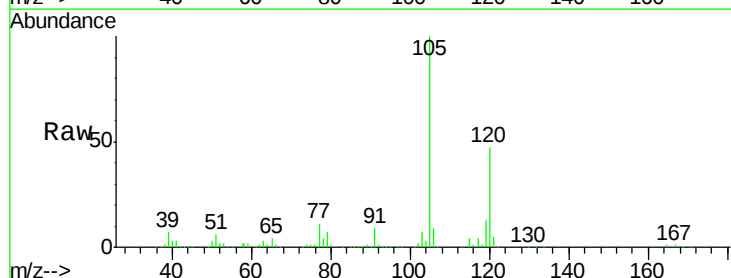


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

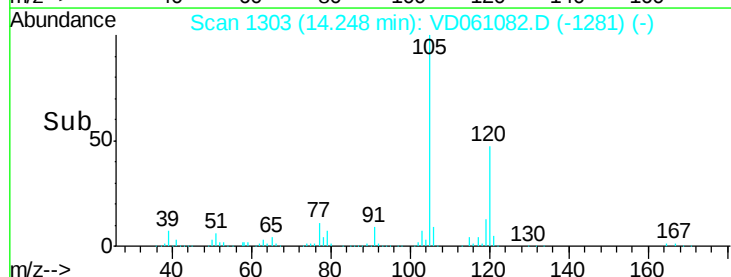
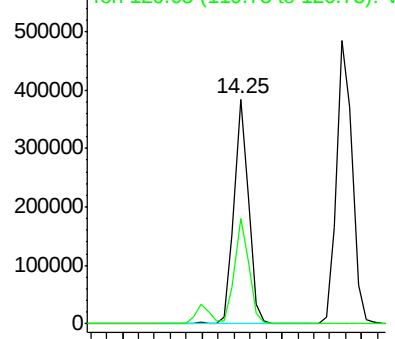


#80
 1,3,5-Trimethylbenzene
 Concen: 19.611 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 105 Resp: 480405
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

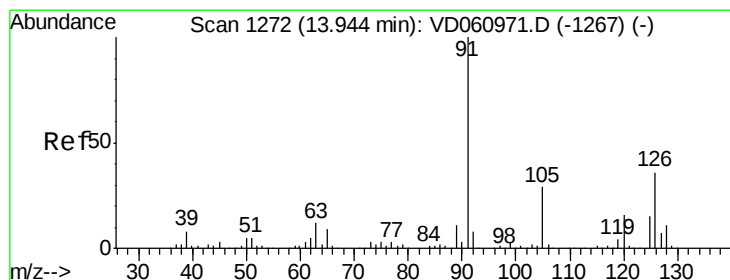
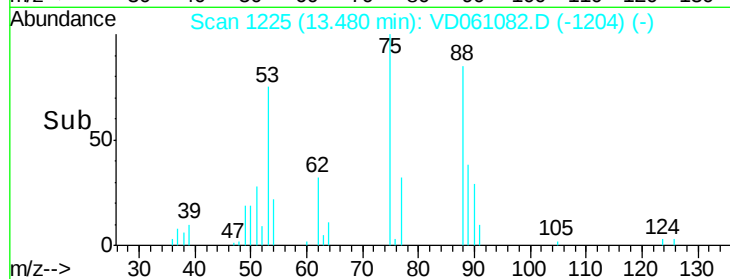
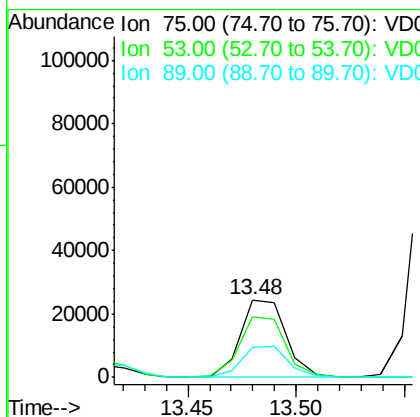
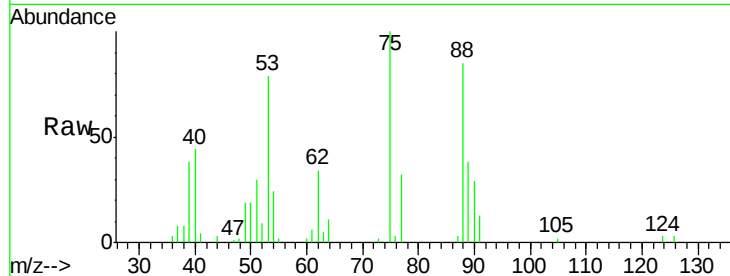




#81
trans-1,4-Dichloro-2-butene
Concen: 18.824 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

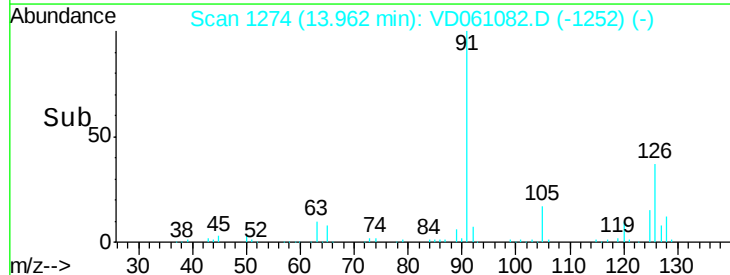
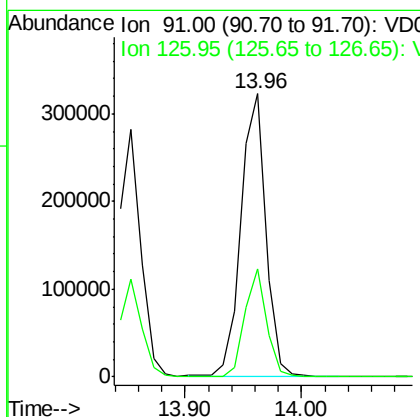
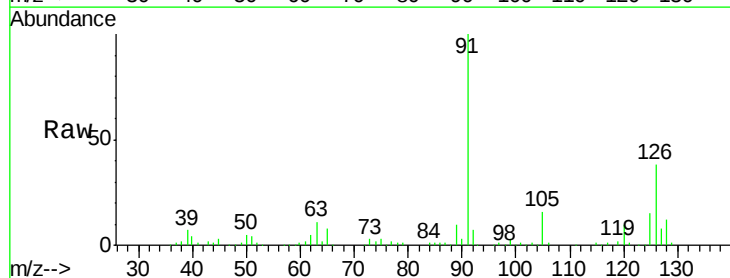
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tot Ion: 75 Resp: 35748
Ion Ratio Lower Upper
75 100
53 78.5 64.4 96.6
89 38.2 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.399 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 91 Resp: 476933
Ion Ratio Lower Upper
91 100
126 38.0 18.0 54.0

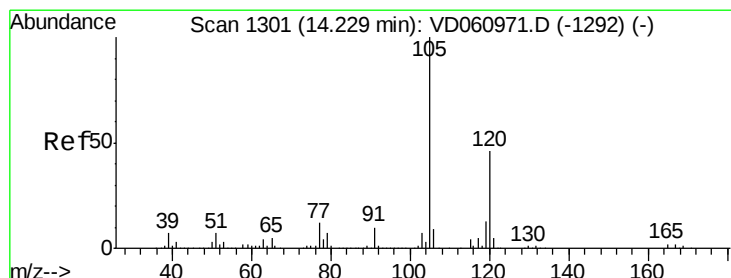
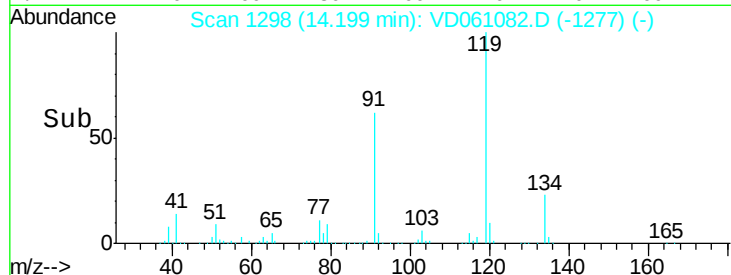
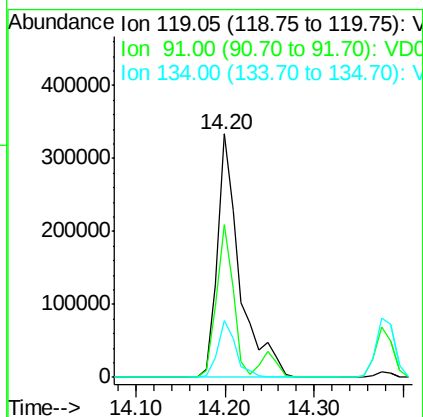
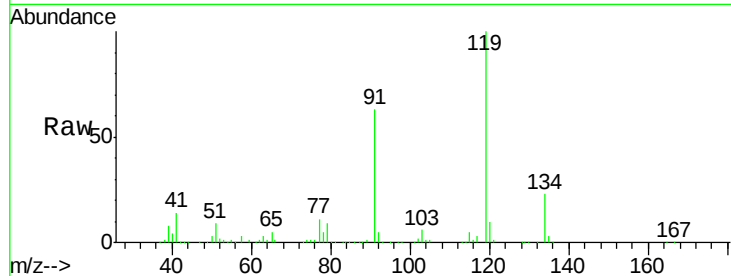




#83
tert-Butylbenzene
Concen: 21.982 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

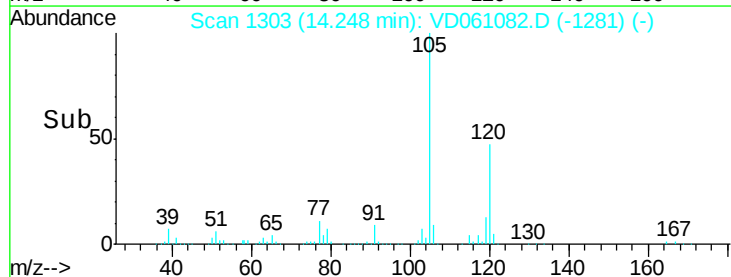
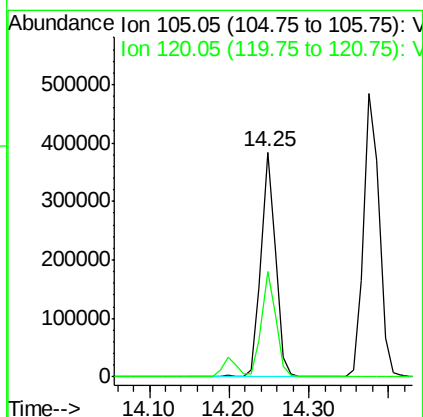
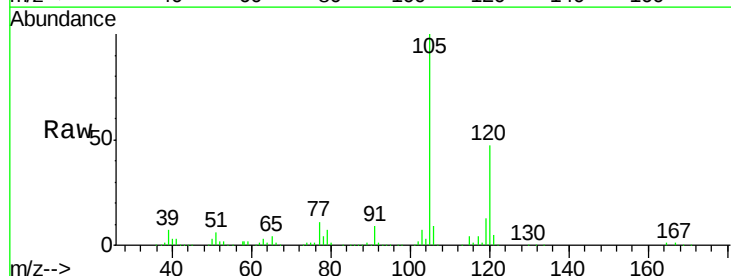
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

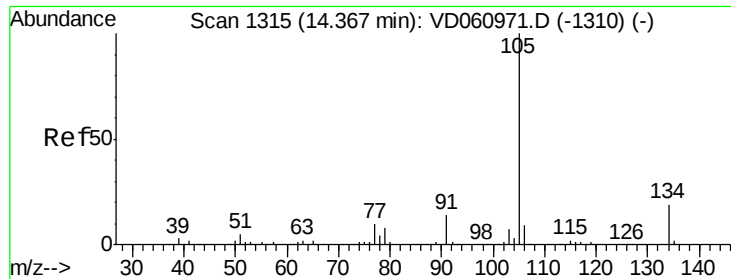
Tot Ion:119 Resp: 589294
Ion Ratio Lower Upper
119 100
91 63.0 30.1 90.3
134 23.4 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 19.611 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion:105 Resp: 480405
Ion Ratio Lower Upper
105 100
120 47.2 22.9 68.5





#85

sec-Butylbenzene

Concen: 19.987 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

Instrument :

MSVOA_D

ClientSampleID :

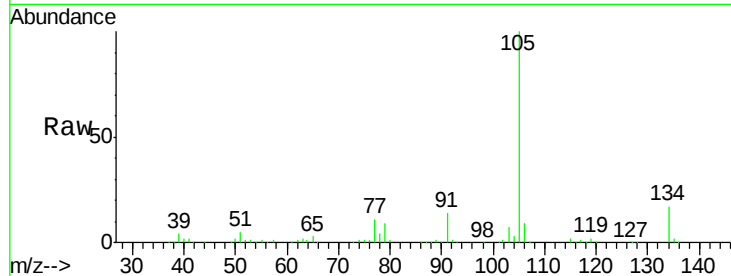
VD0315SBS01

Tot Ion:105 Resp: 654148

Ion Ratio Lower Upper

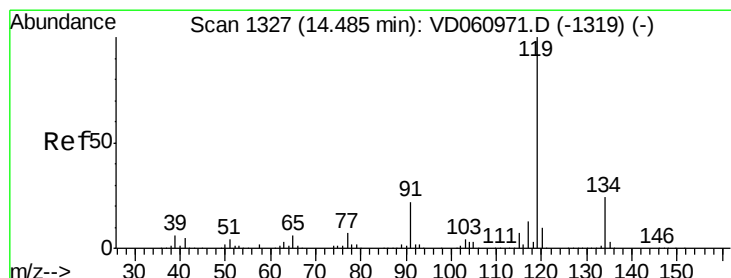
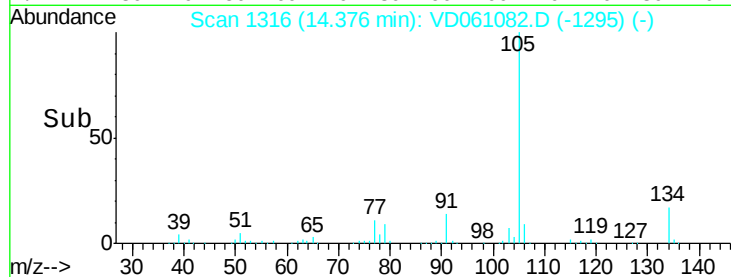
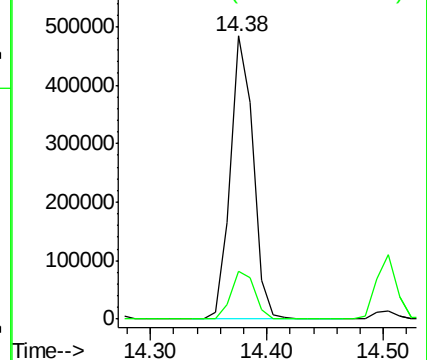
105 100

134 16.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.750 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD061082.D

Acq: 15 Mar 2019 12:58

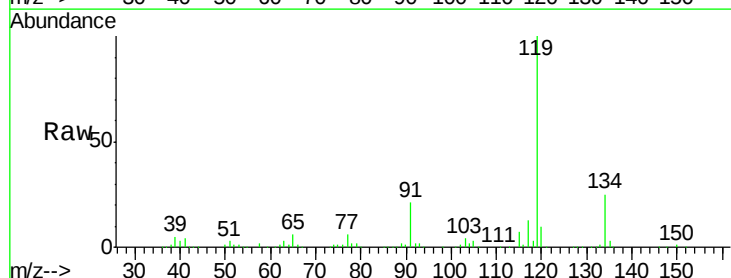
Tgt Ion:119 Resp: 555094

Ion Ratio Lower Upper

119 100

134 24.6 12.0 36.1

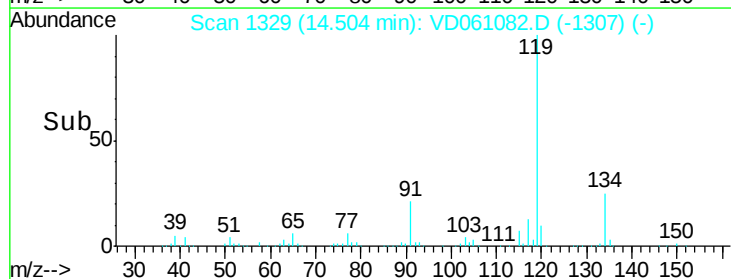
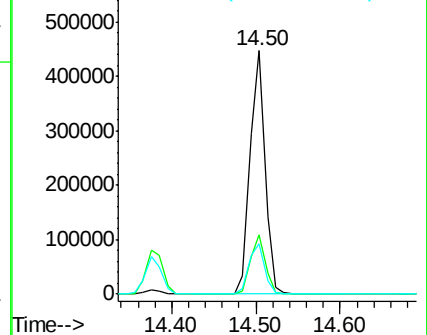
91 20.8 11.2 33.6



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

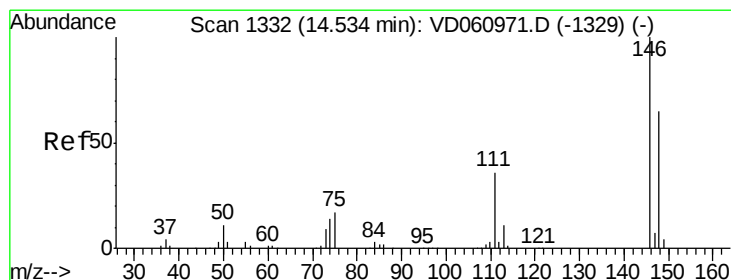
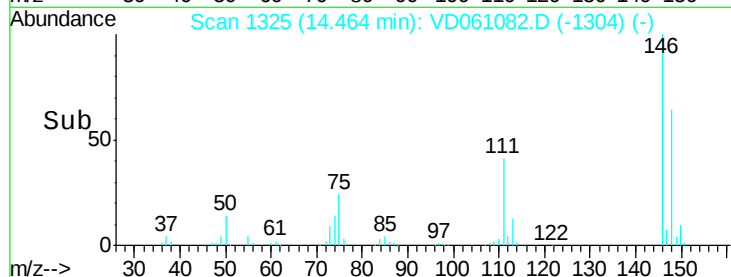
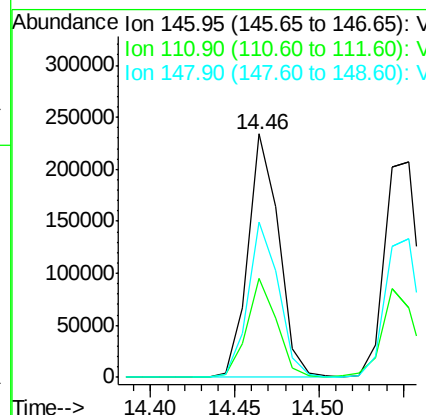
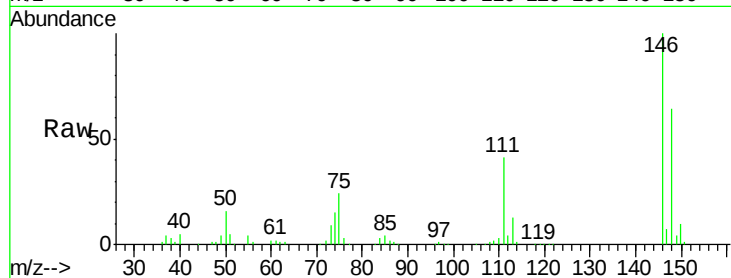




#87
 1,3-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

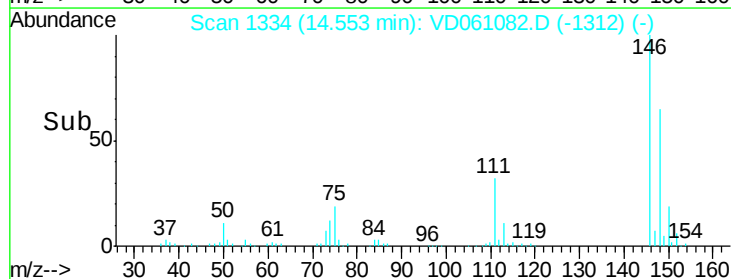
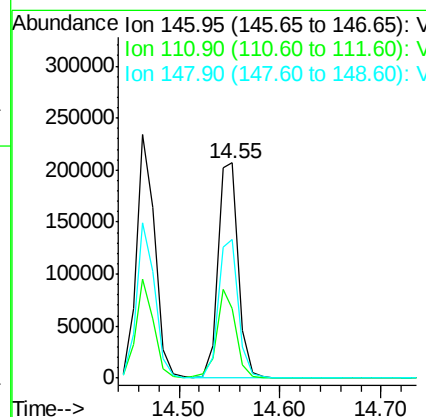
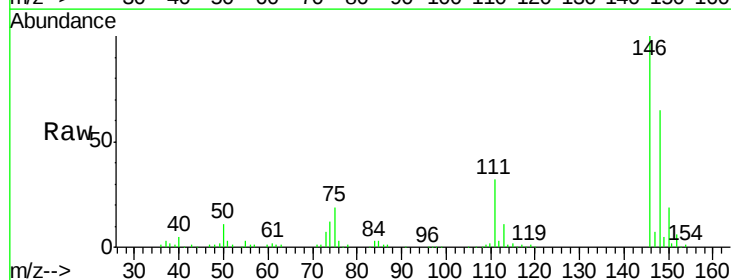
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

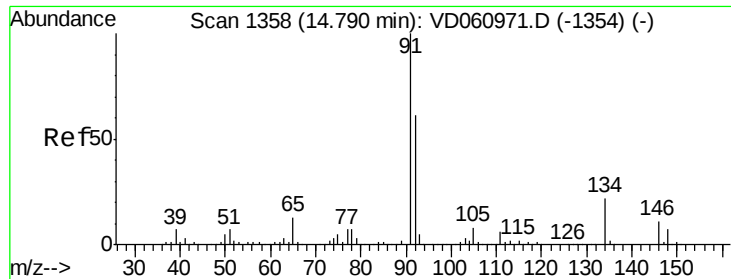
Tot Ion:146 Resp: 296857
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.4 55.4
 148 63.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.347 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion:146 Resp: 294090
 Ion Ratio Lower Upper
 146 100
 111 32.4 18.4 55.2
 148 64.6 32.5 97.5

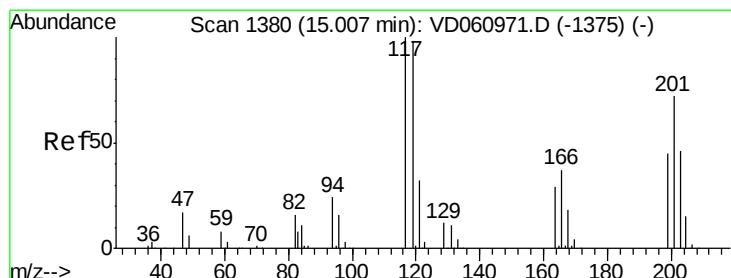
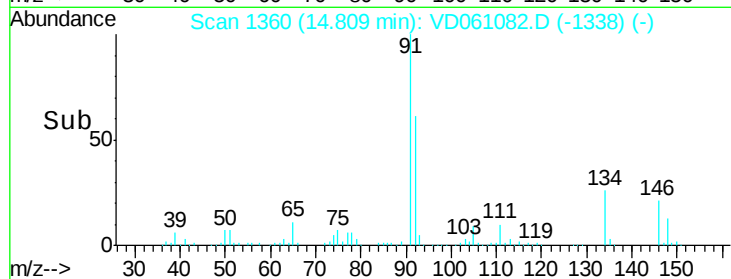
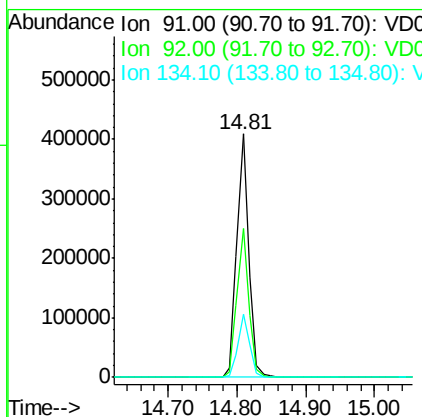
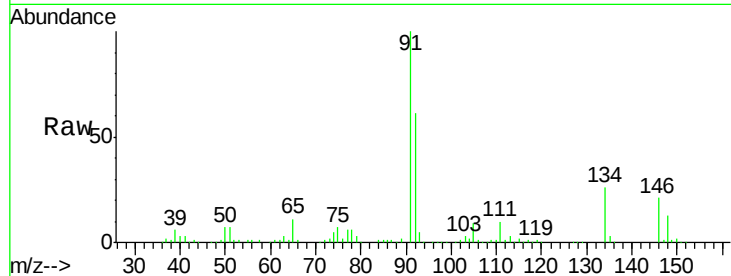




#89
n-Butylbenzene
Concen: 19.158 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

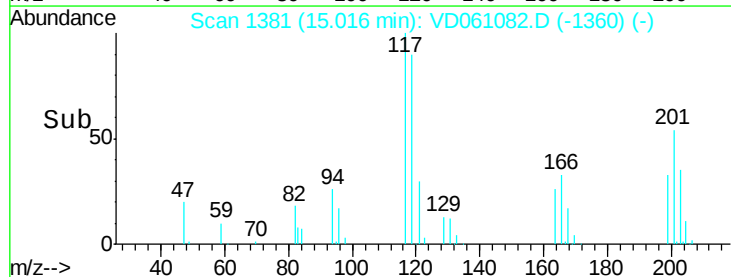
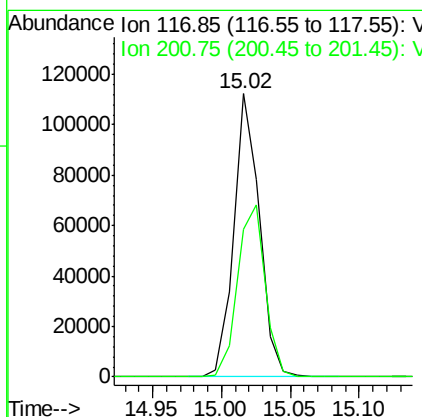
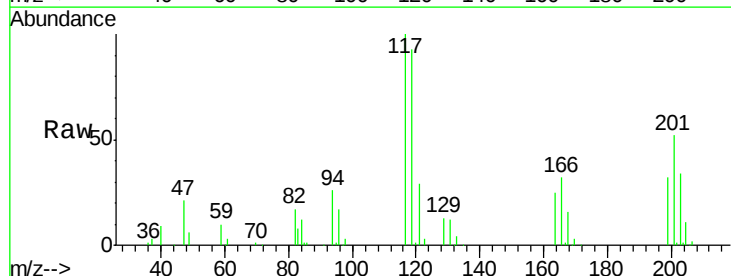
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

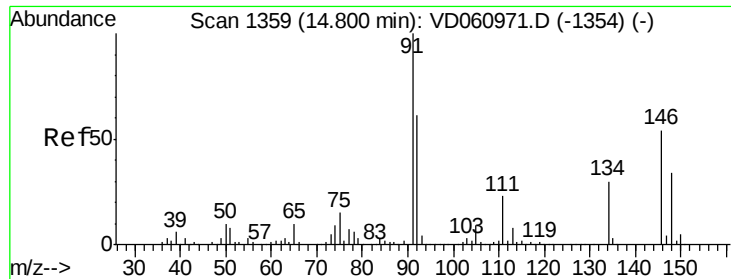
Tot Ion: 91 Resp: 492166
Ion Ratio Lower Upper
91 100
92 61.1 30.6 91.8
134 25.8 11.0 33.0



#90
Hexachloroethane
Concen: 19.208 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion: 117 Resp: 145096
Ion Ratio Lower Upper
117 100
201 52.2 36.2 108.6

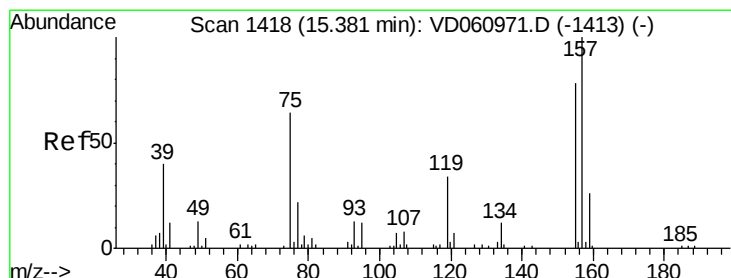
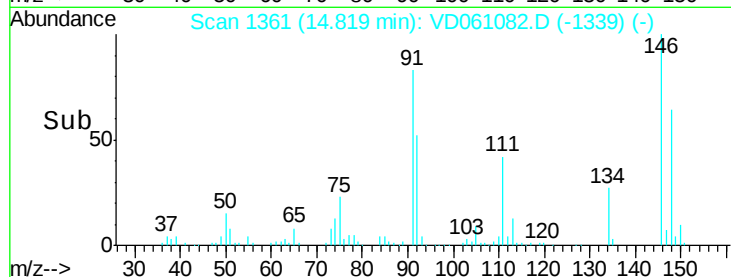
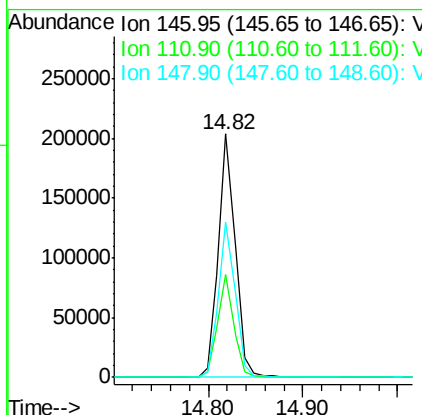
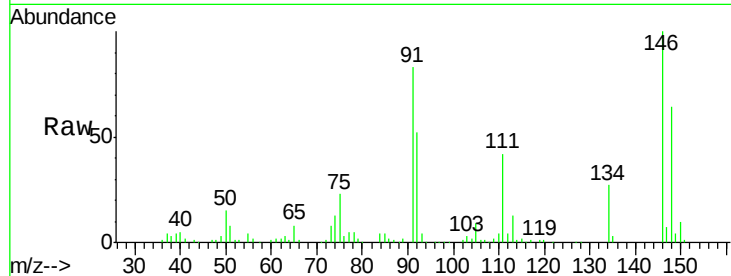




#91
 1,2-Dichlorobenzene
 Concen: 20.658 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

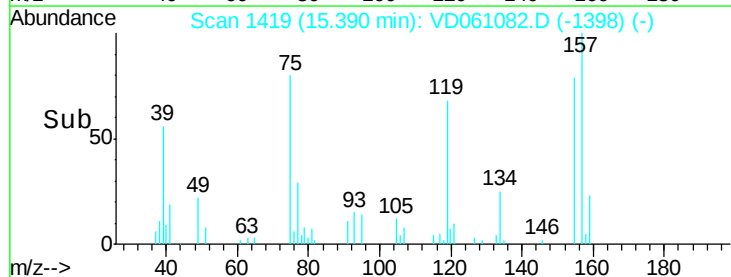
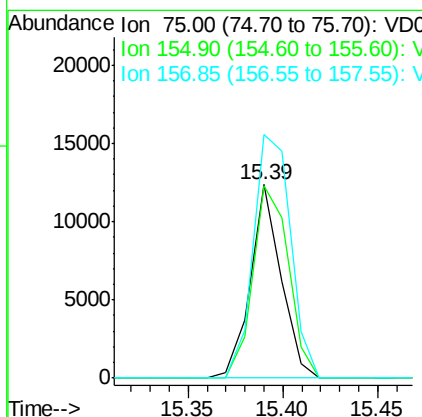
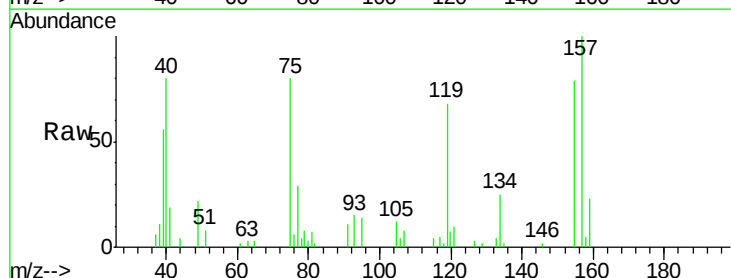
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0315SBSD01

Tot Ion:146 Resp: 253297
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.5 64.5
 148 64.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.376 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion: 75 Resp: 13941
 Ion Ratio Lower Upper
 75 100
 155 99.1 61.2 183.5
 157 125.8 78.3 234.8

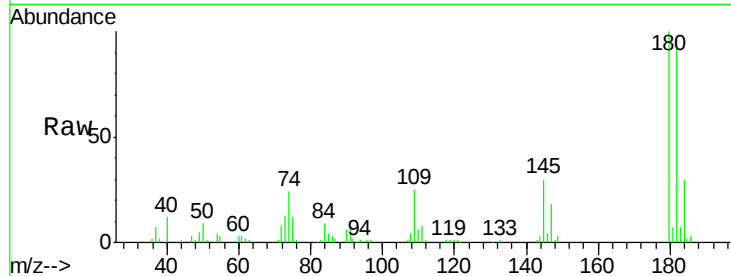




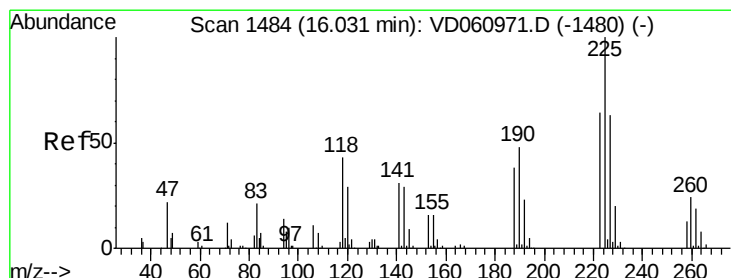
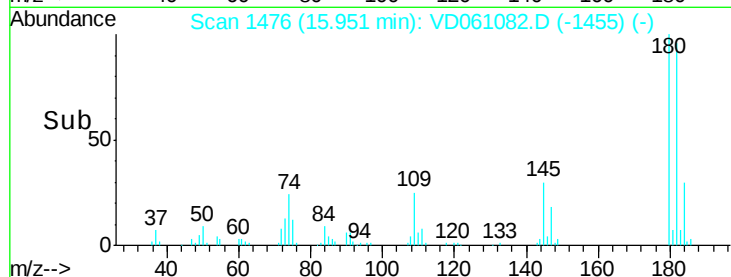
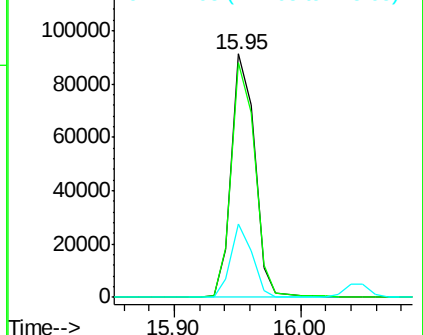
#93
 1,2,4-Trichlorobenzene
 Concen: 20.406 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tot Ion:180 Resp: 116071
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 30.0 14.4 43.0

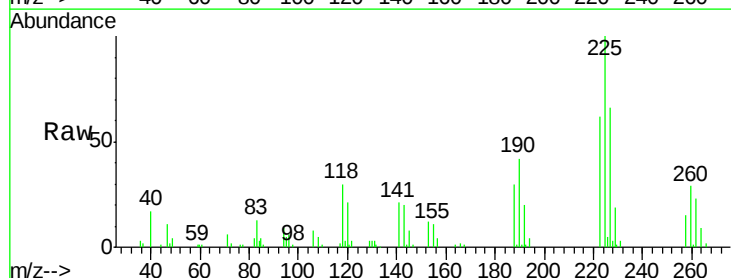


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

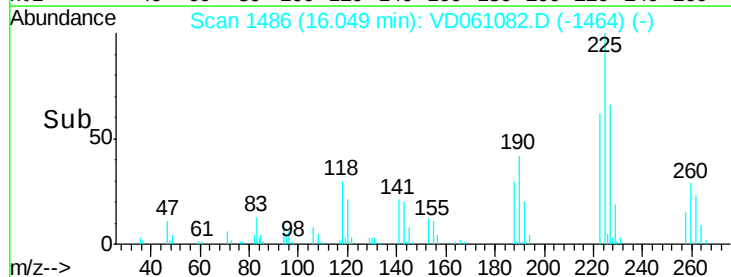
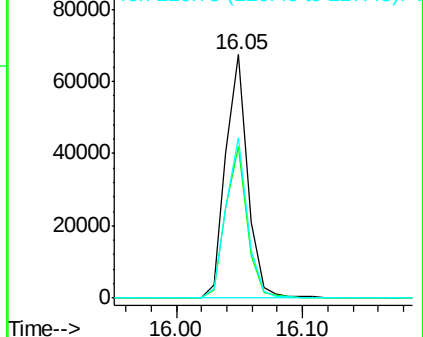


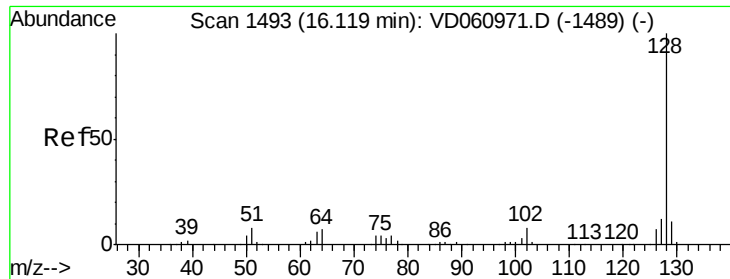
#94
 Hexachlorobutadiene
 Concen: 18.855 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Tgt Ion:225 Resp: 81122
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.8 95.3
 227 65.8 31.4 94.0



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

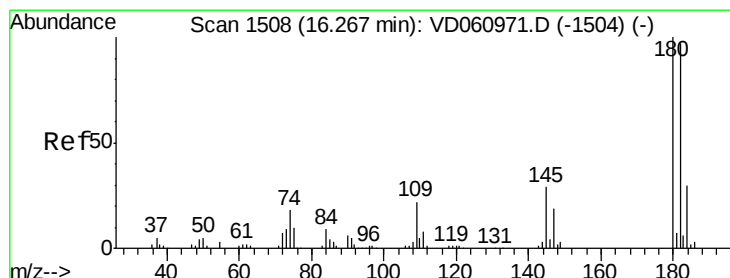
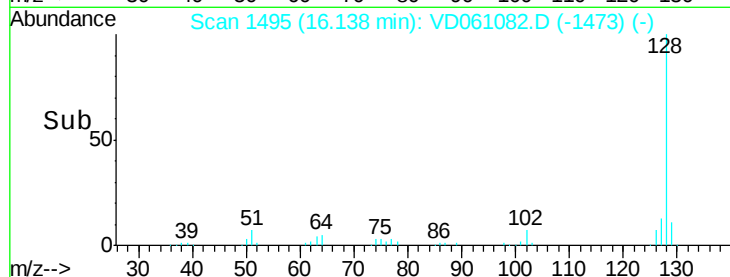
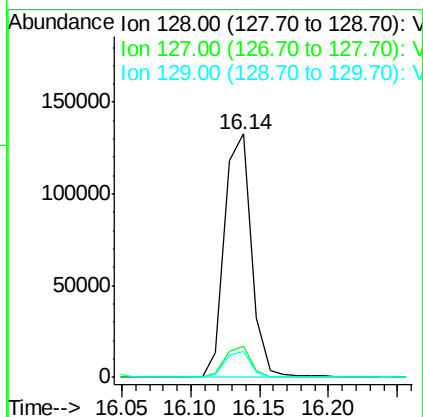
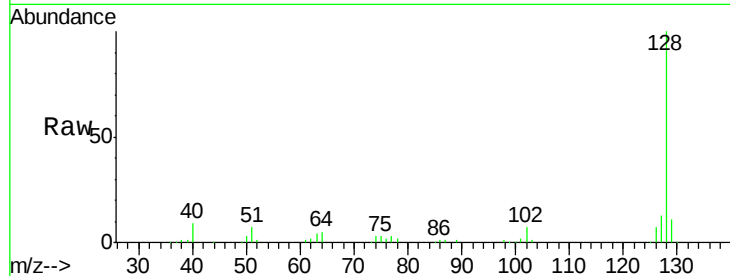




#95
Naphthalene
Concen: 20.808 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tot Ion:128 Resp: 179864
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.402 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion:180 Resp: 62938
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.8
145 27.2 14.3 42.9

