

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						
33) 1,2-Dichloroethane-d4	7.47	65	264811	46.07	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	6.95	113	428408	47.75	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.43	98	1053237	46.74	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.48%	
62) 4-Bromofluorobenzene	13.57	95	420347	48.08	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds						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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 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

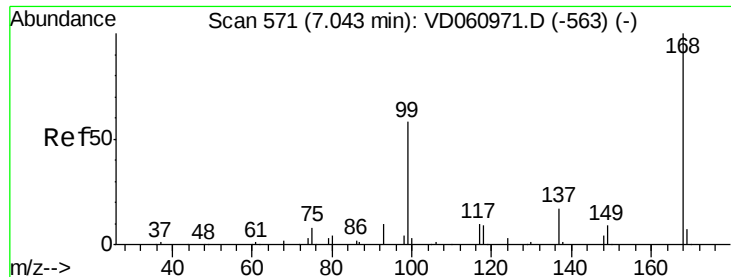
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
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Response via : Initial Calibration

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 :

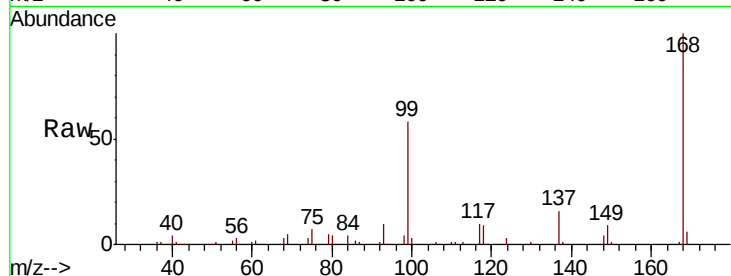
VD0315SBS01

Tgt Ion:168 Resp: 690481

Ion Ratio Lower Upper

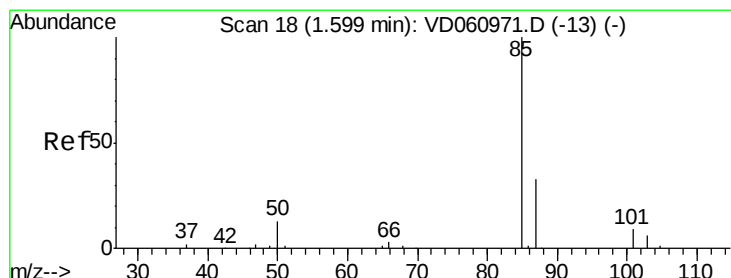
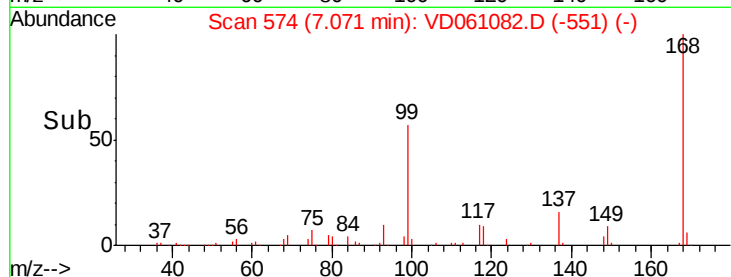
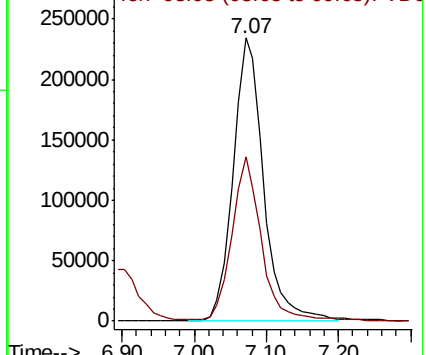
168 100

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

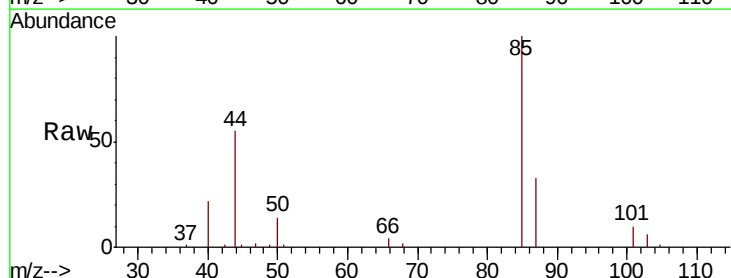
Acq: 15 Mar 2019 12:58

Tgt Ion: 85 Resp: 129707

Ion Ratio Lower Upper

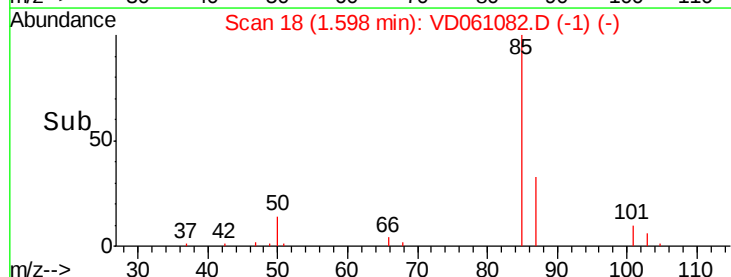
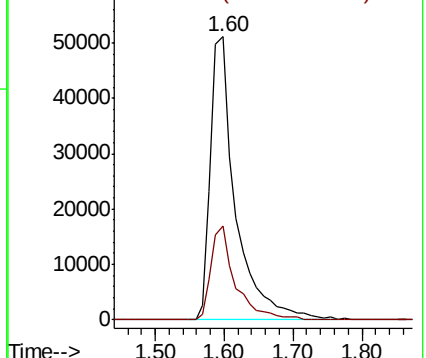
85 100

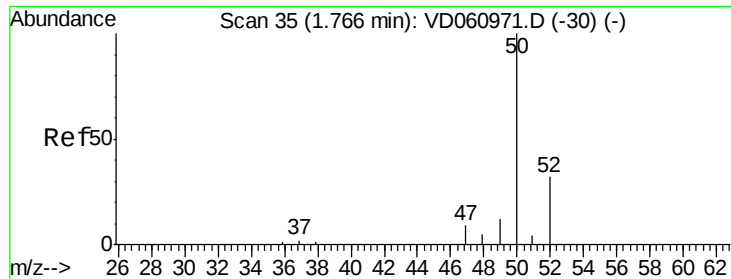
87 33.2 16.4 49.4



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 :

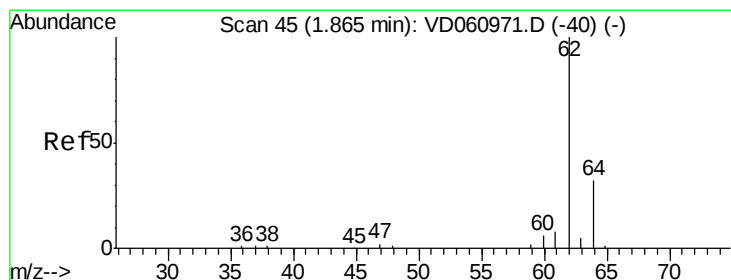
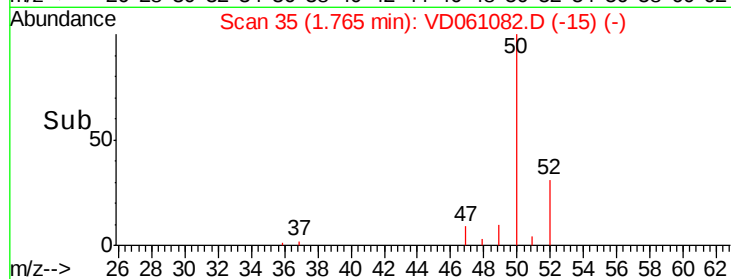
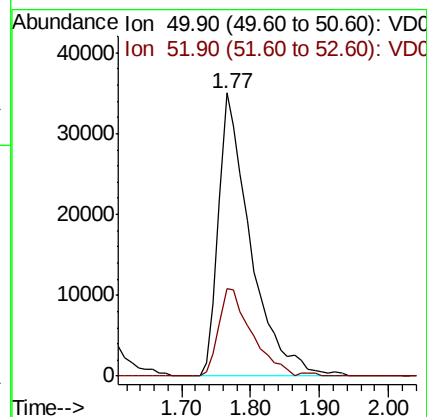
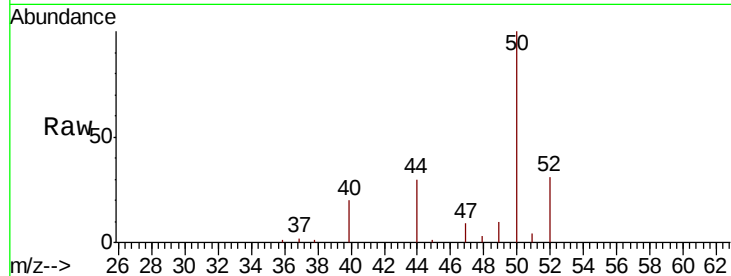
VD0315SBS01

Tgt Ion: 50 Resp: 112792

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.8



#4

Vinyl Chloride

Concen: 19.691 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061082.D

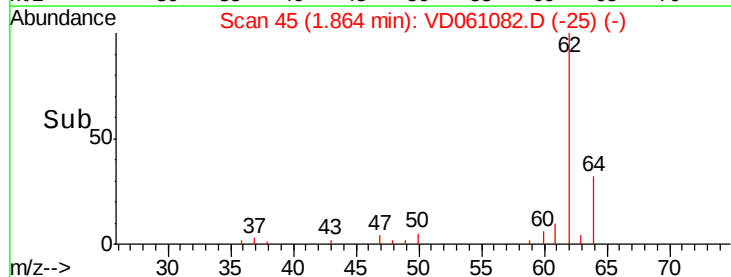
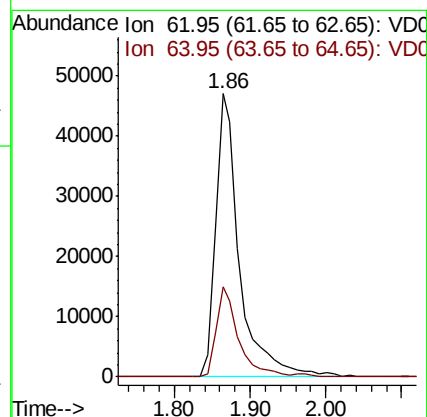
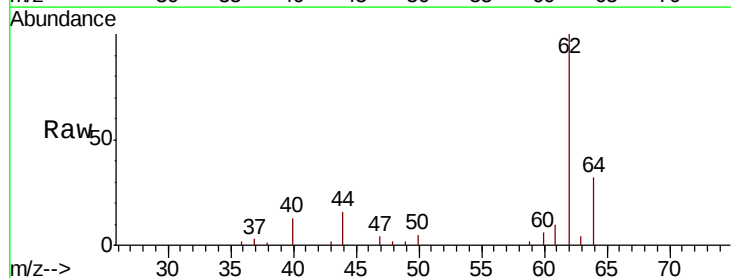
Acq: 15 Mar 2019 12:58

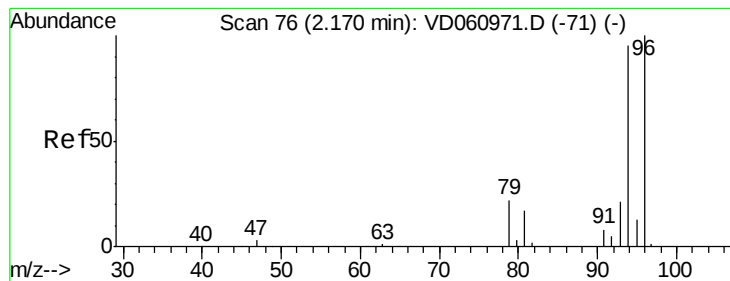
Tgt Ion: 62 Resp: 103669

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#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

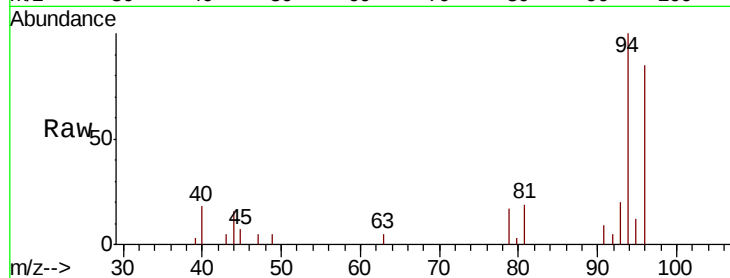
Tgt Ion: 94 Resp: 17379

Ion Ratio Lower Upper

94 100

96 84.9 84.0 126.0

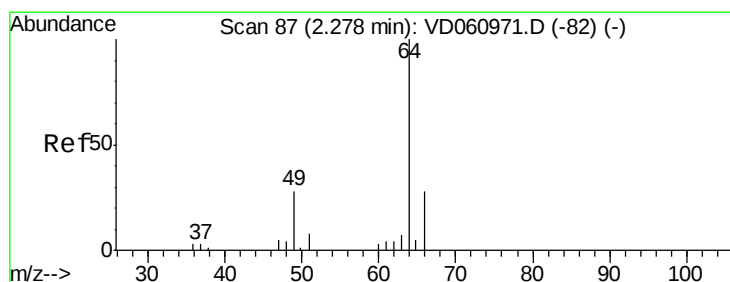
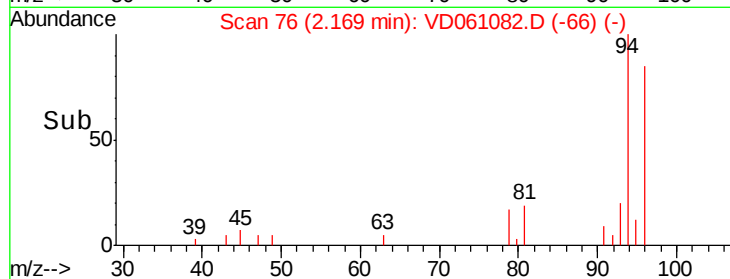
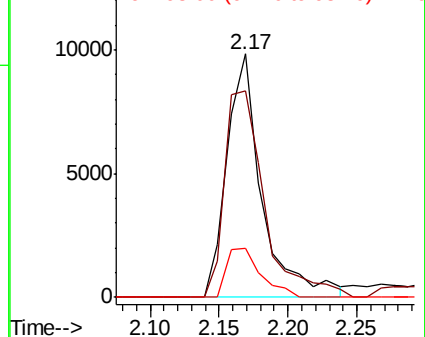
93 20.3 17.3 25.9



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

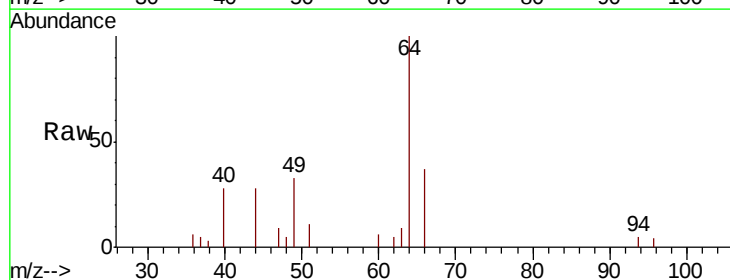
Acq: 15 Mar 2019 12:58

Tgt Ion: 64 Resp: 29046

Ion Ratio Lower Upper

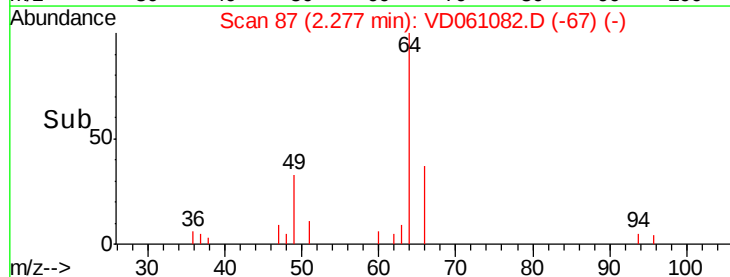
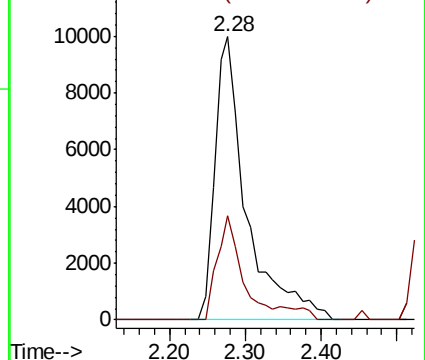
64 100

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



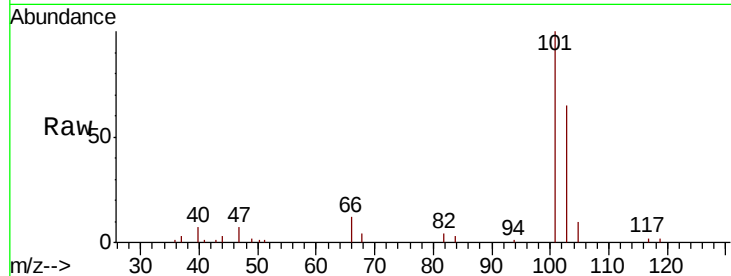


#7

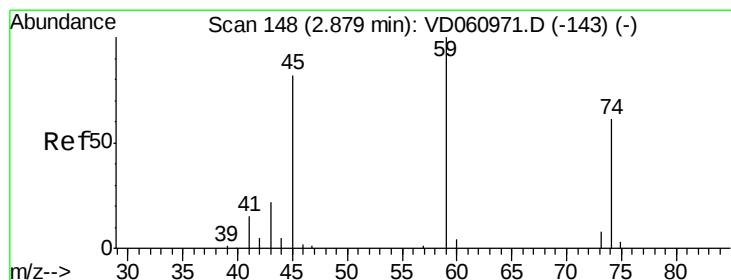
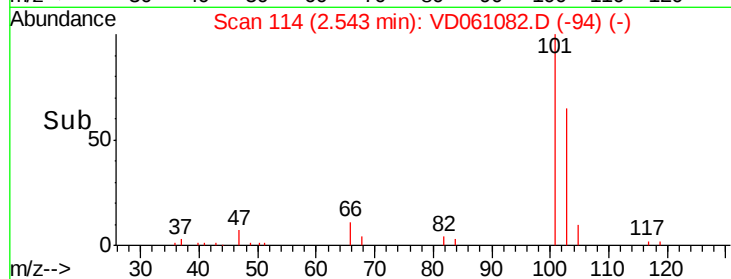
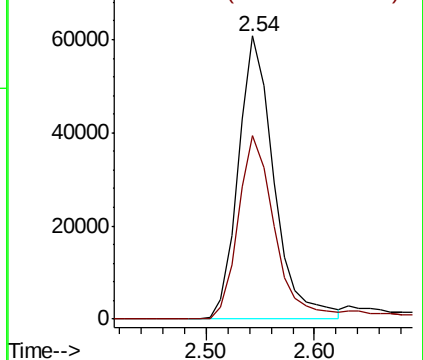
Trichlorofluoromethane
 Concen: 18.488 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

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



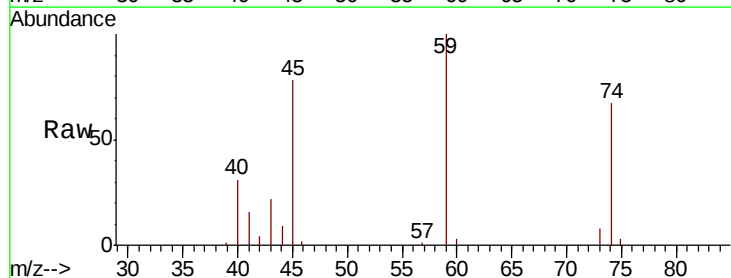
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



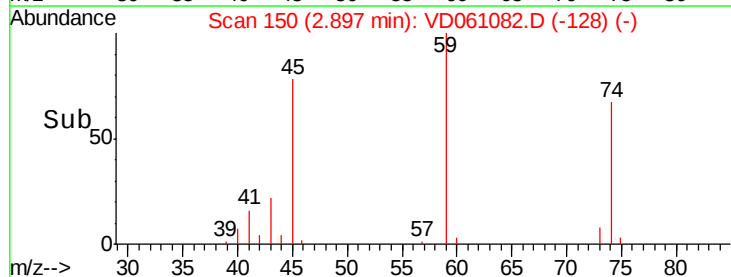
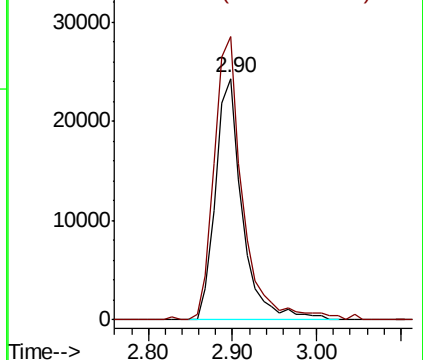
#8

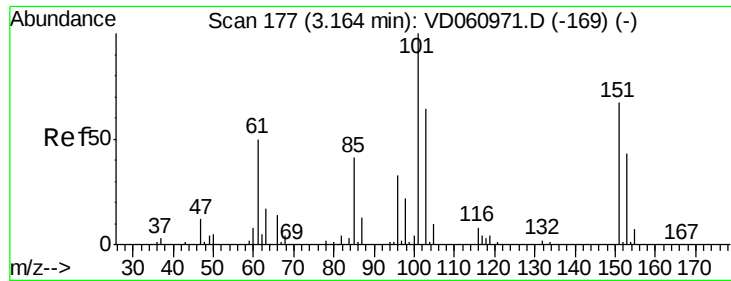
Diethyl Ether
 Concen: 21.558 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

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 :

VD0315SBS01

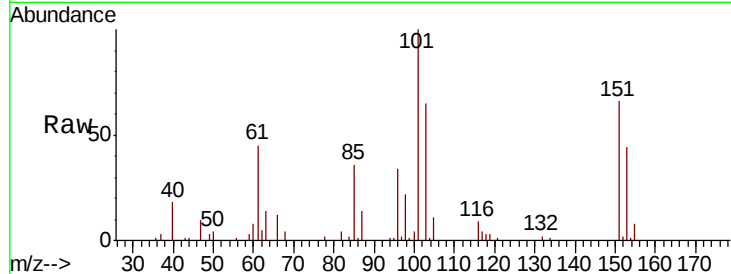
Tgt Ion:101 Resp: 169069

Ion Ratio Lower Upper

101 100

85 36.2 32.5 48.7

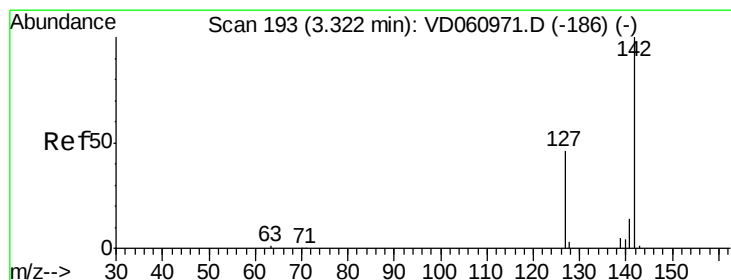
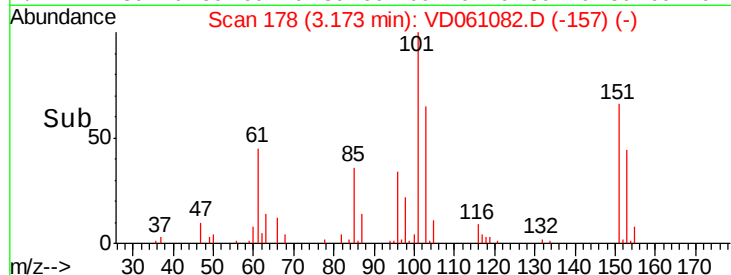
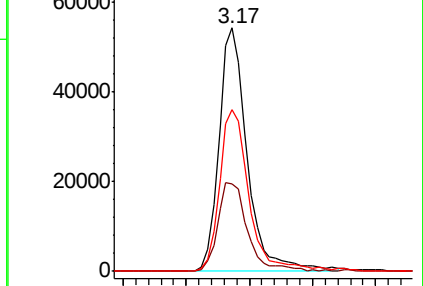
151 66.4 53.3 79.9



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

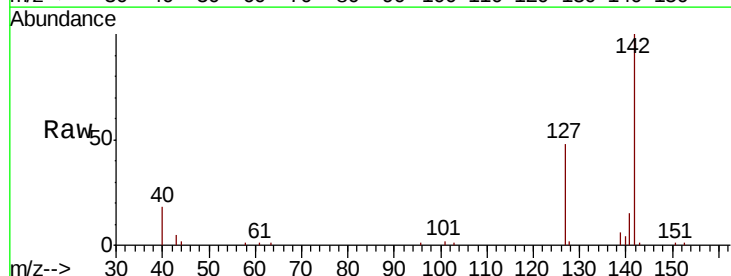
Tgt Ion:142 Resp: 203782

Ion Ratio Lower Upper

142 100

127 47.7 36.8 55.2

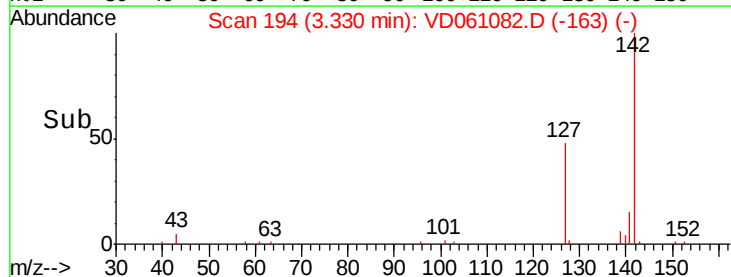
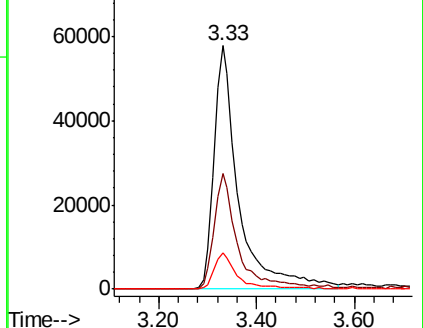
141 14.9 11.2 16.8

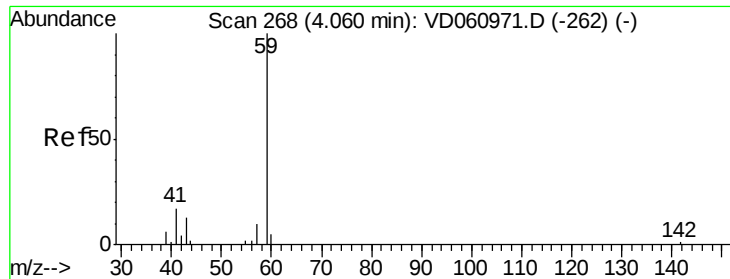


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

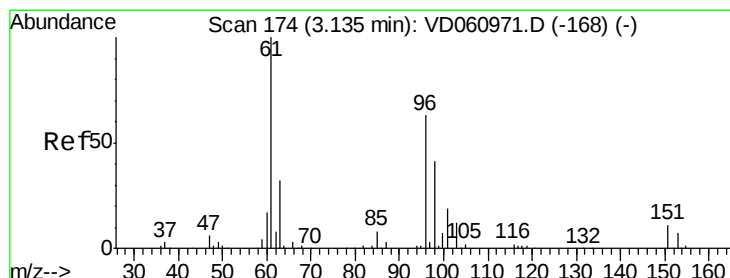
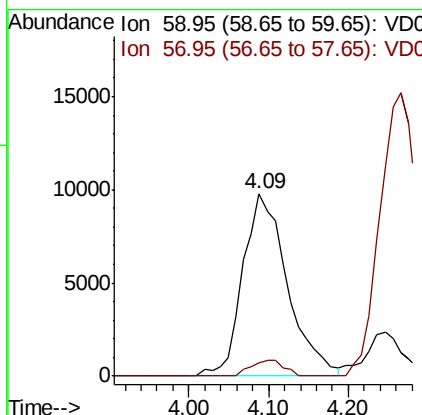
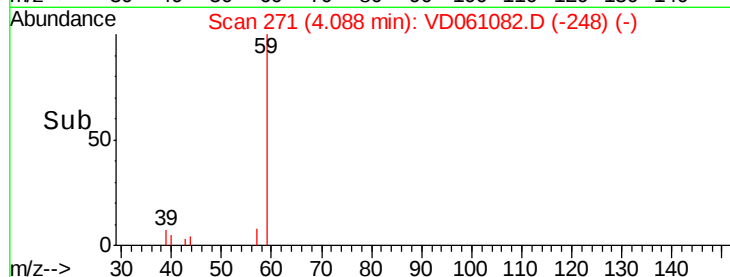
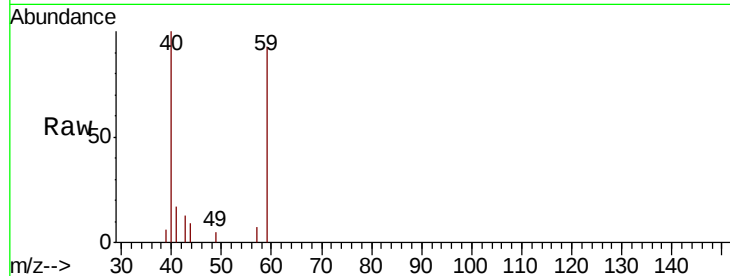




#11
Tert butyl alcohol
Concen: 103.871 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

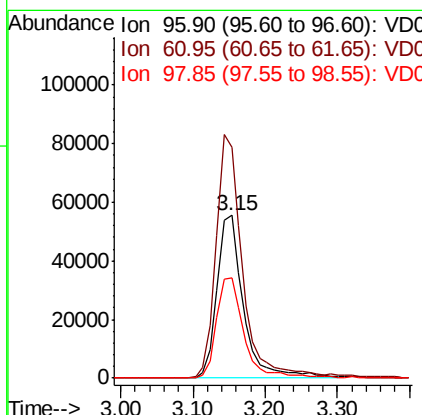
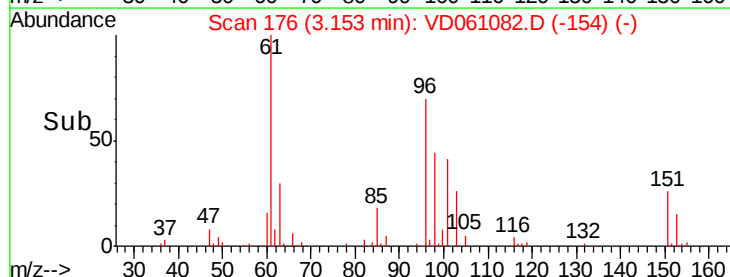
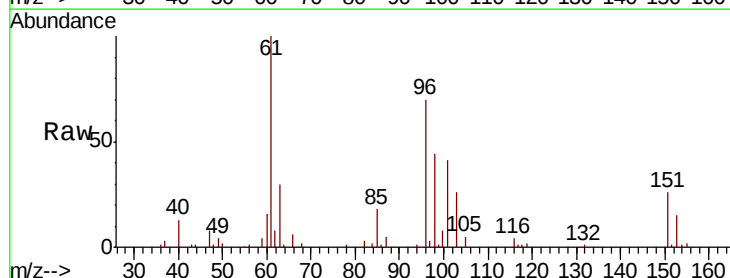
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

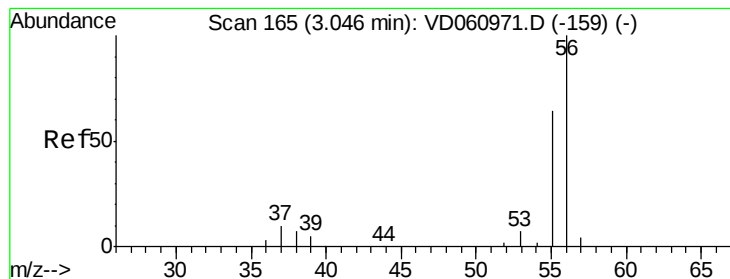
Tgt Ion: 59 Resp: 38006
Ion Ratio Lower Upper
59 100
57 7.6 7.1 10.7



#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 :

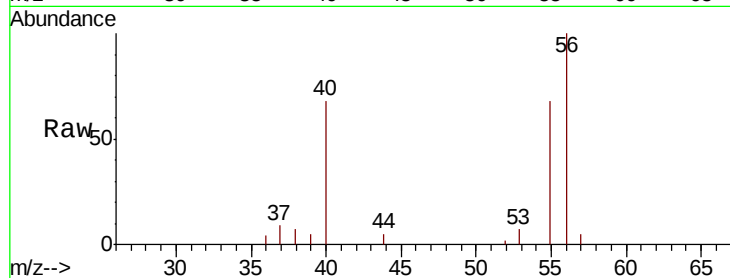
VD0315SBS01

Tgt Ion: 56 Resp: 39994

Ion Ratio Lower Upper

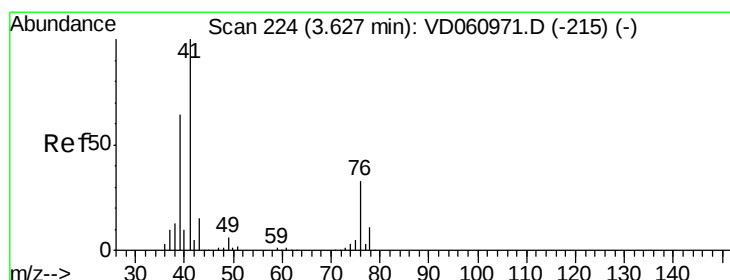
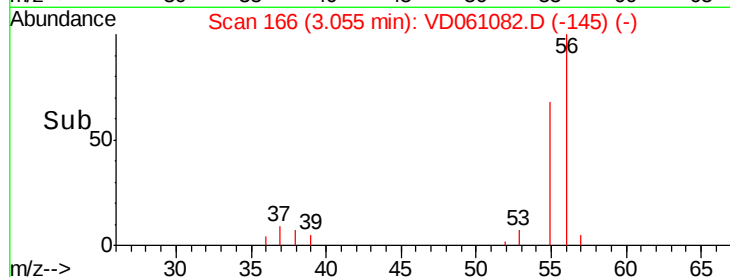
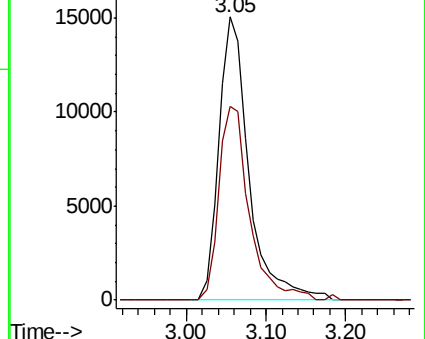
56 100

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

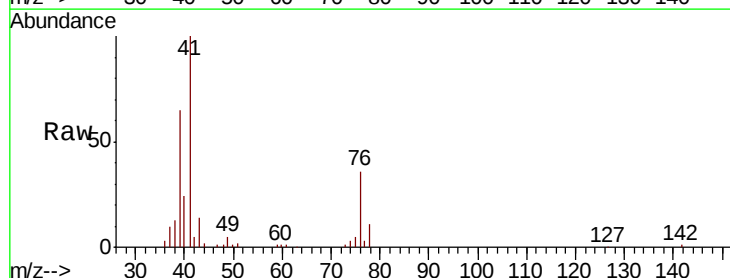
Tgt Ion: 41 Resp: 211619

Ion Ratio Lower Upper

41 100

39 65.3 51.1 76.7

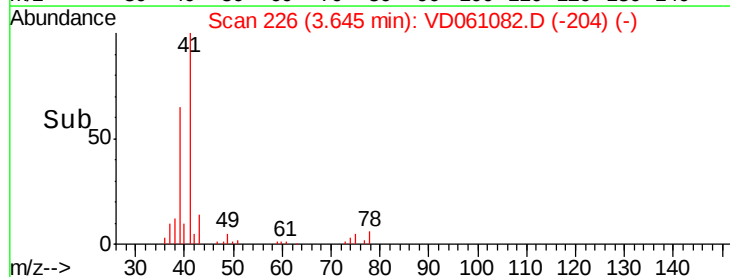
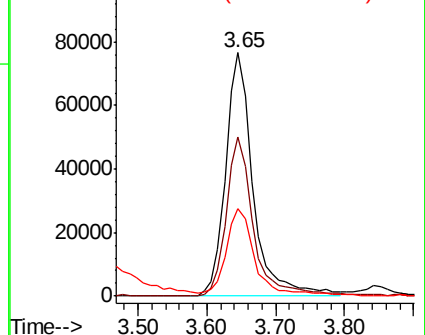
76 35.9 29.1 43.7



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

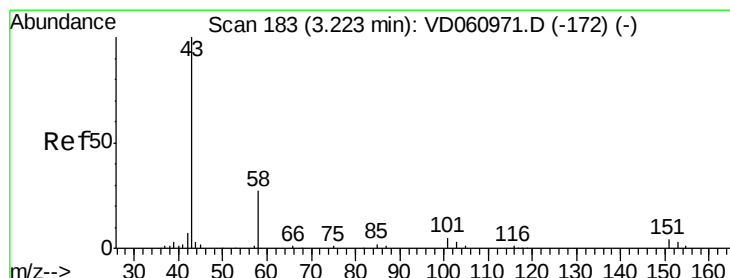
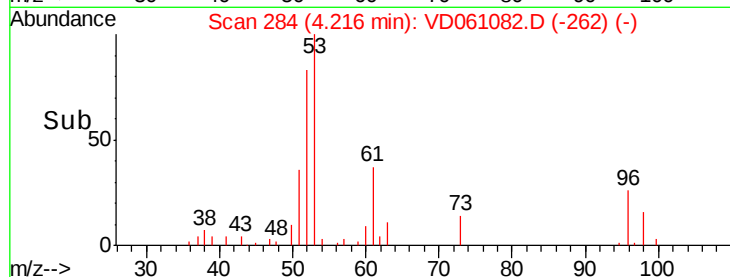
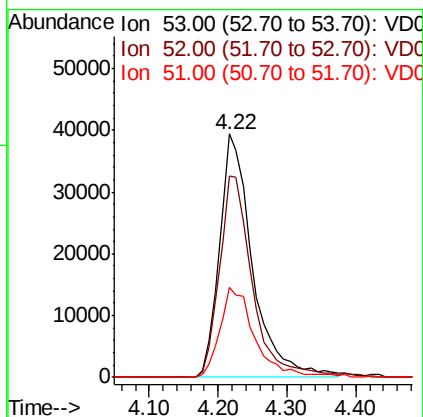
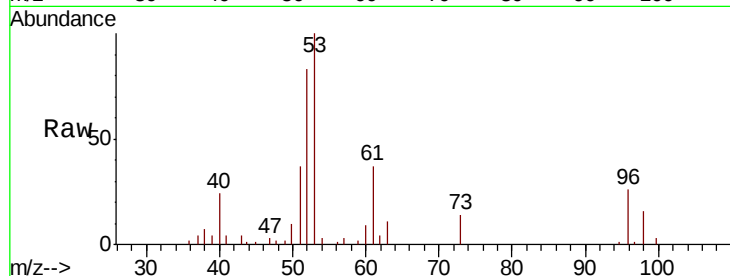
Tgt Ion: 53 Resp: 130892

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

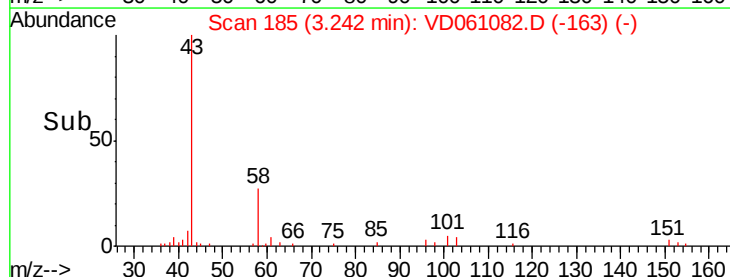
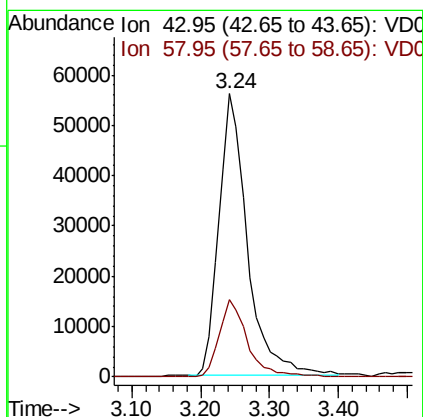
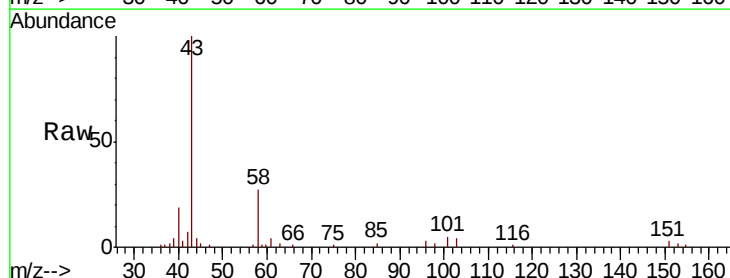
Acq: 15 Mar 2019 12:58

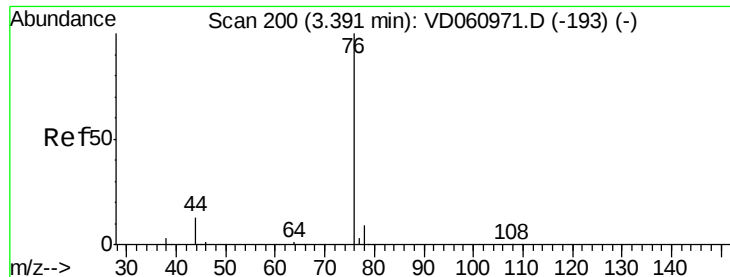
Tgt Ion: 43 Resp: 158695

Ion Ratio Lower Upper

43 100

58 27.5 21.6 32.4

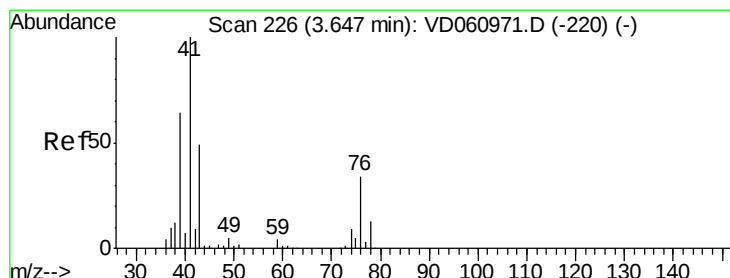
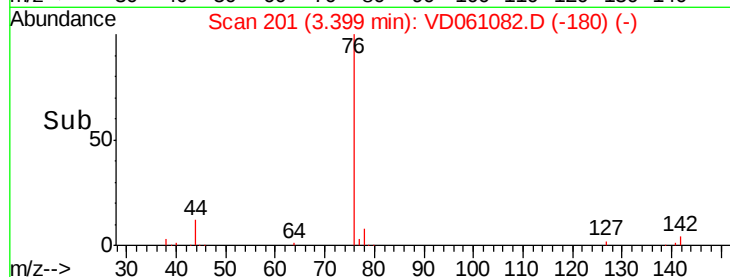
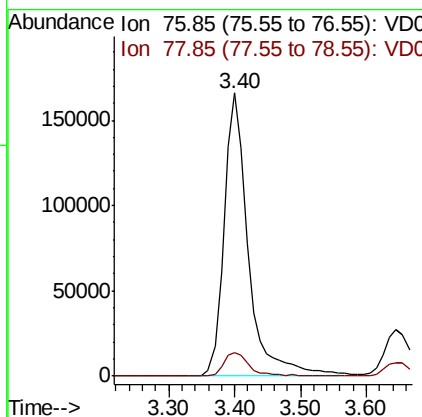
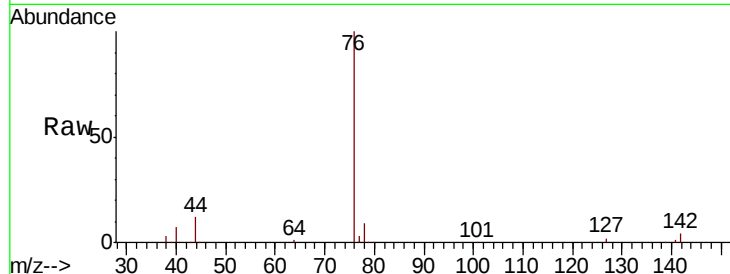




#17
Carbon Disulfide
Concen: 18.269 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

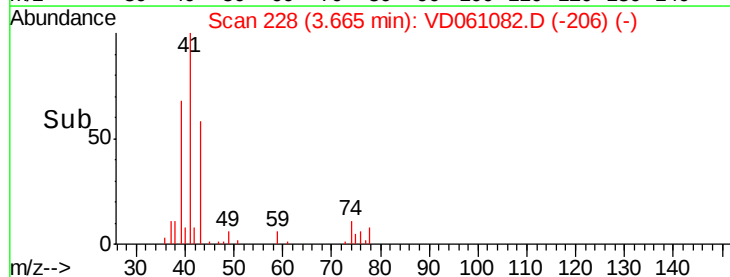
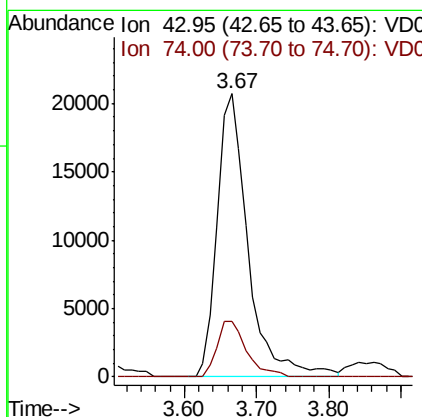
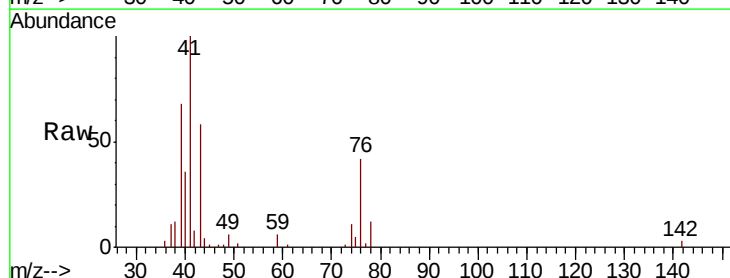
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

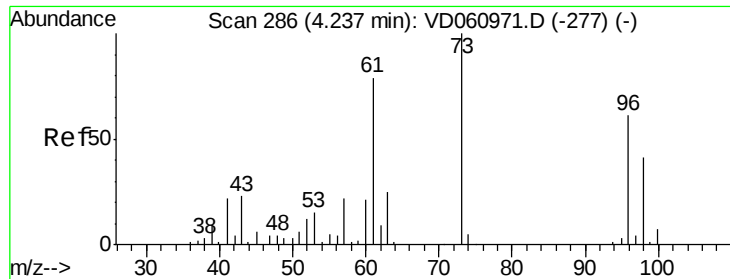
Tgt Ion: 76 Resp: 427146
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#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

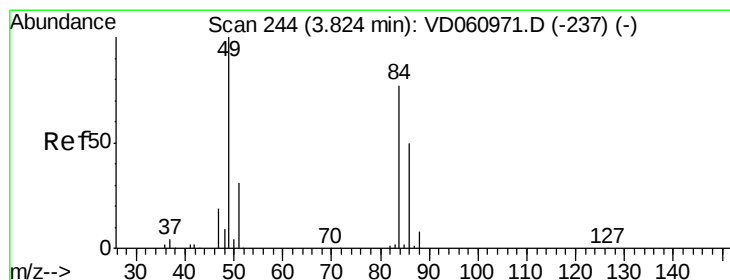
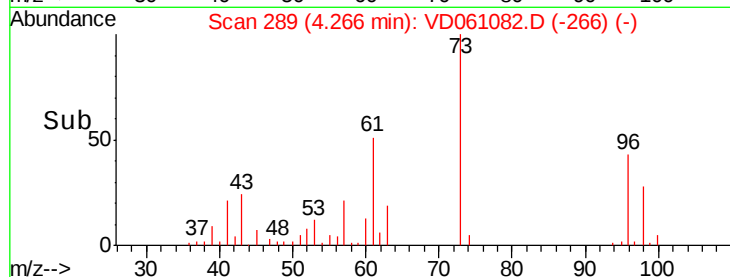
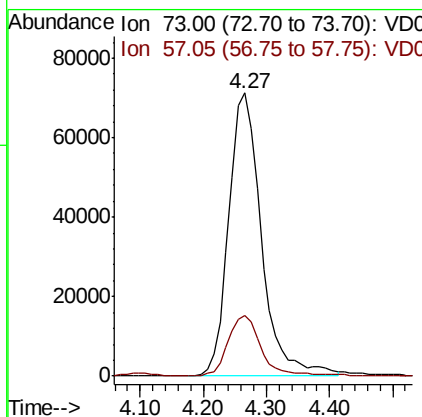
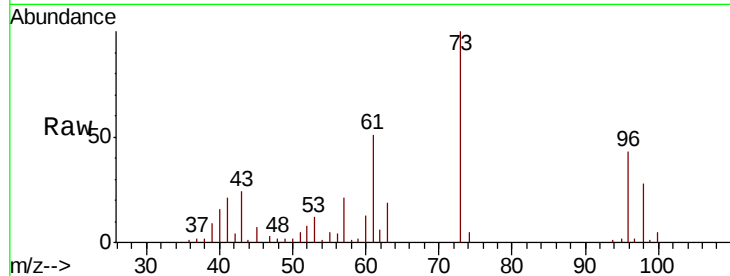




#19
Methyl tert-butyl Ether
Concen: 21.096 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

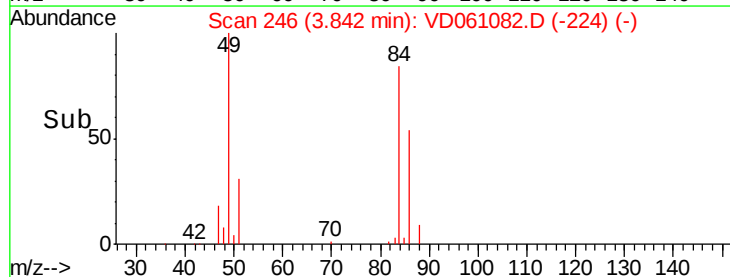
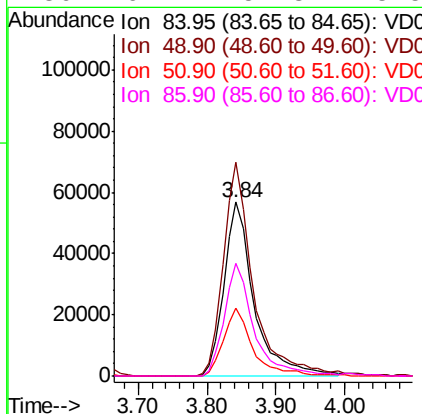
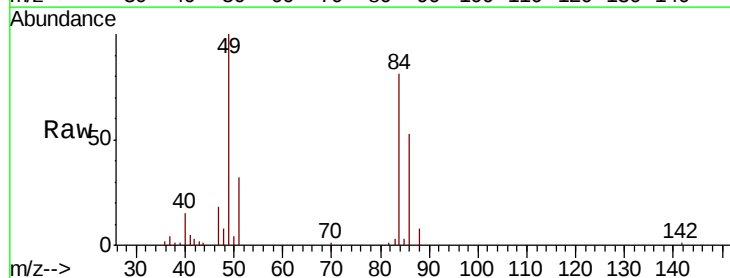
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

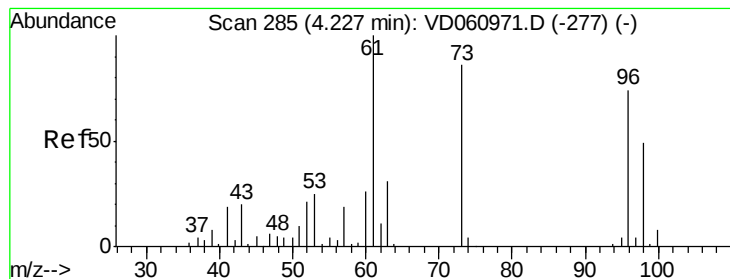
Tgt Ion: 73 Resp: 256247
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#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

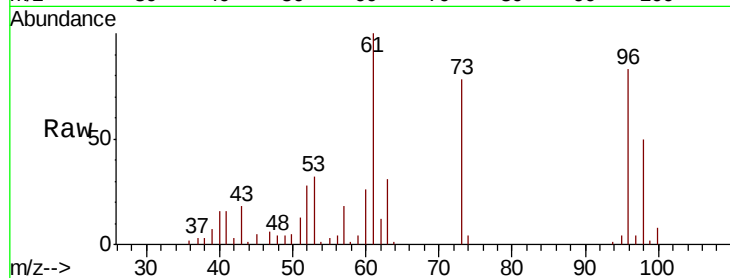
Tgt Ion: 96 Resp: 149734

Ion Ratio Lower Upper

96 100

61 120.4 108.4 162.6

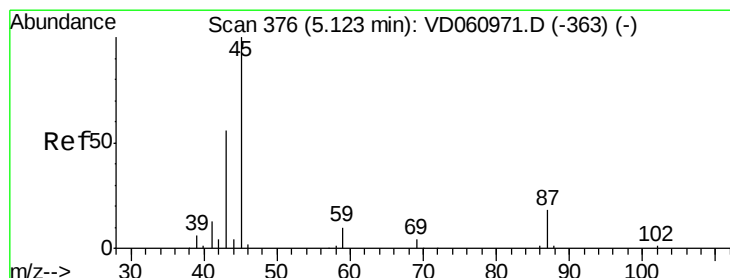
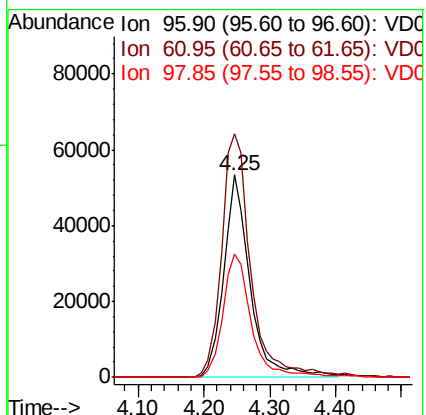
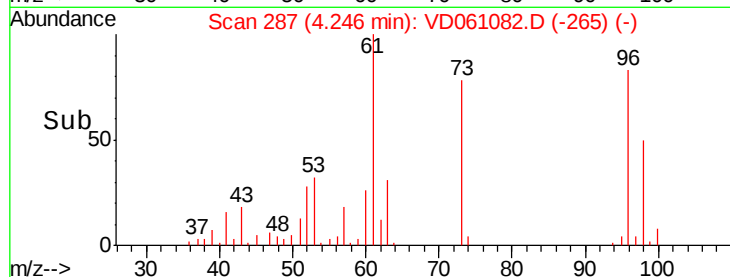
98 60.8 53.0 79.4



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

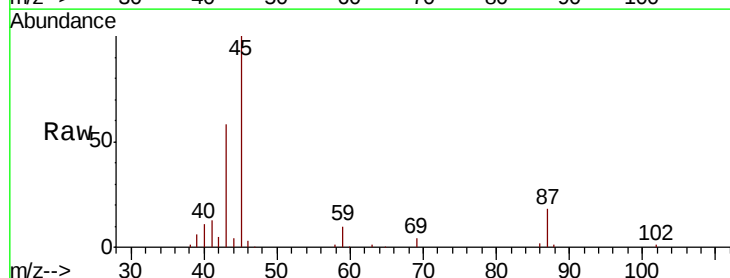
Ion Ratio Lower Upper

45 100

43 57.7 45.8 68.8

87 18.2 14.9 22.3

59 10.1 8.0 12.0

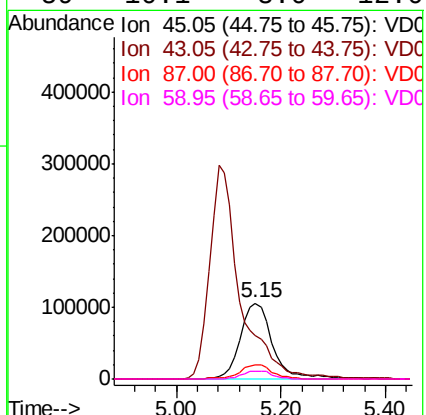
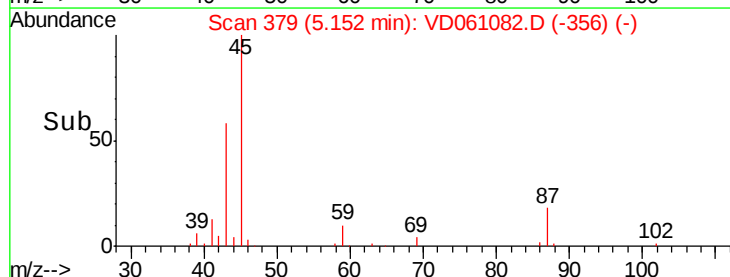


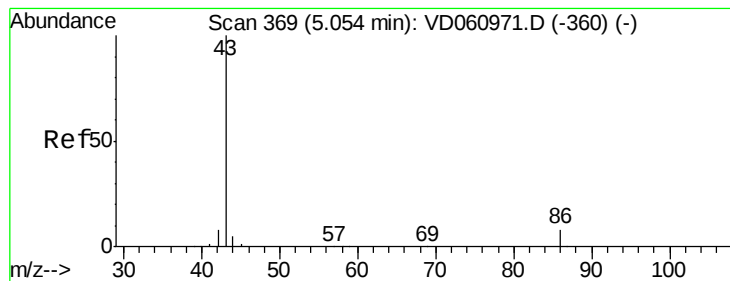
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

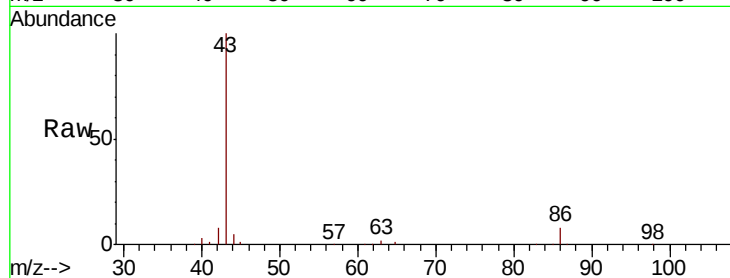
VD0315SBSD01

Tgt 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

5.08

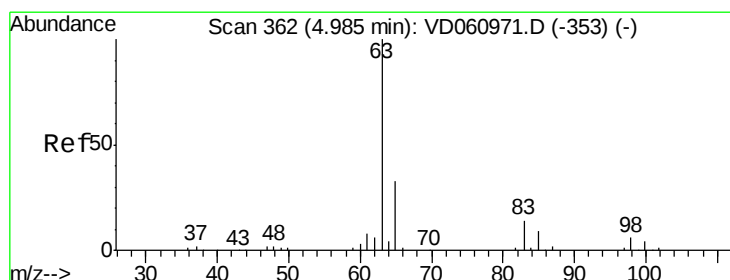
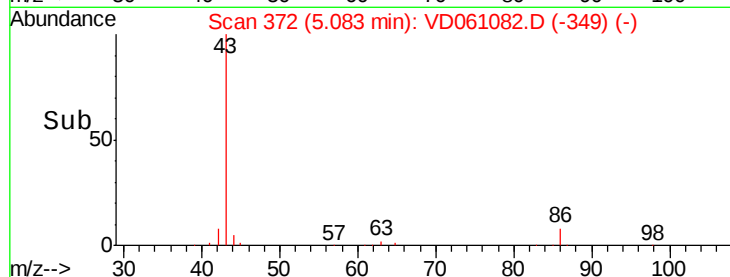
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#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

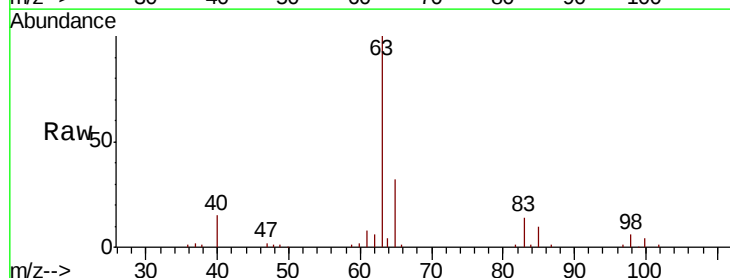
Tgt Ion: 63 Resp: 247164

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

5.01

80000

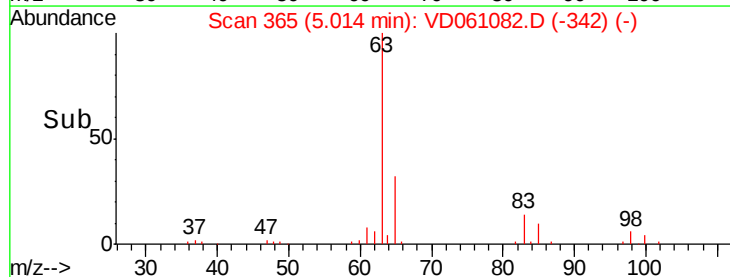
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20





#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 :

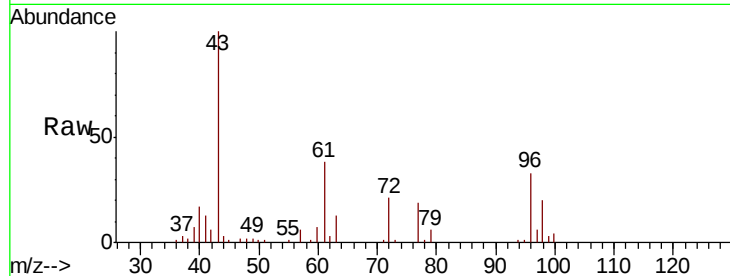
VD0315SBS01

Tgt Ion: 43 Resp: 195065

Ion Ratio Lower Upper

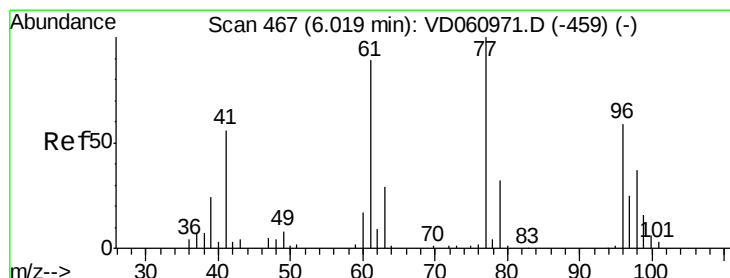
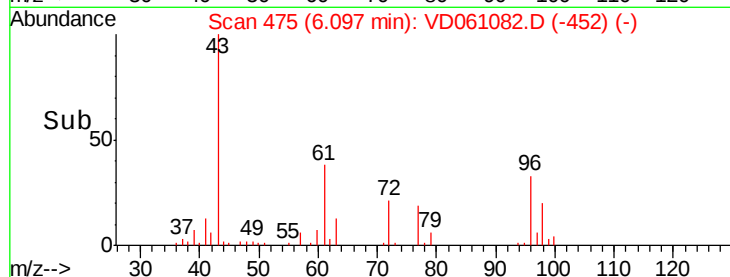
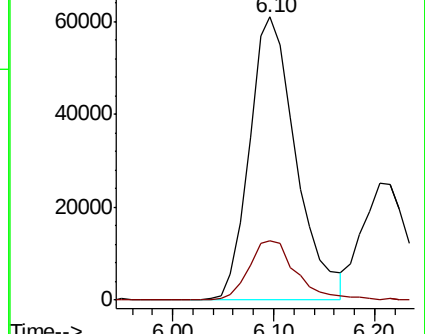
43 100

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

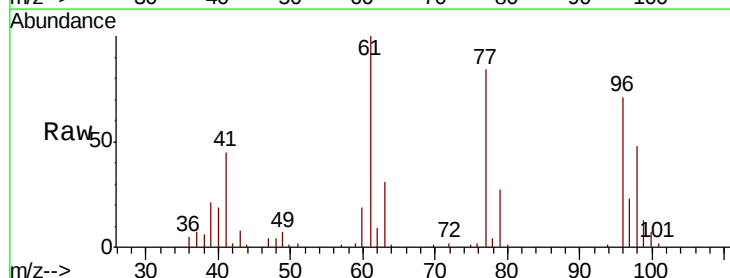
Acq: 15 Mar 2019 12:58

Tgt Ion: 77 Resp: 203716

Ion Ratio Lower Upper

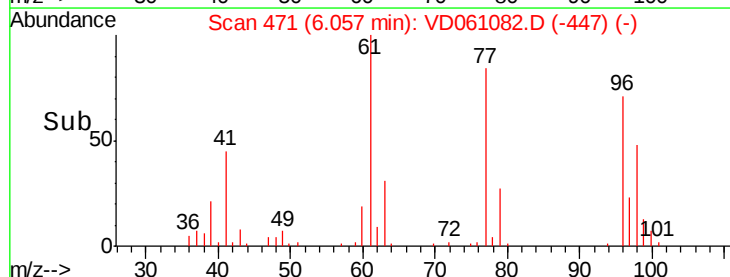
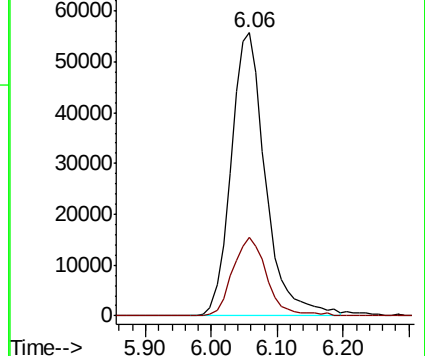
77 100

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



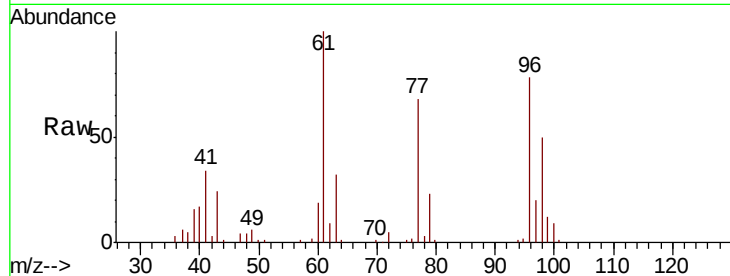


#27

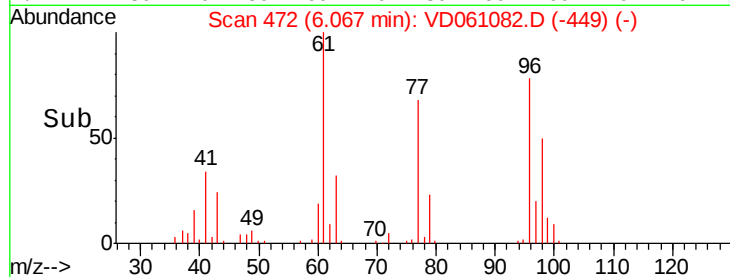
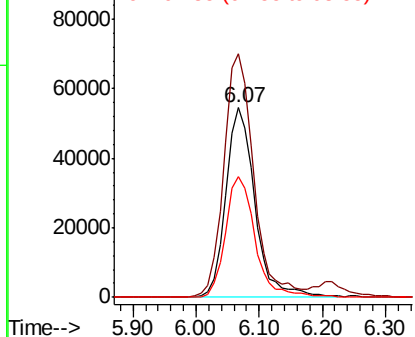
cis-1,2-Dichloroethene
Concen: 21.799 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

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



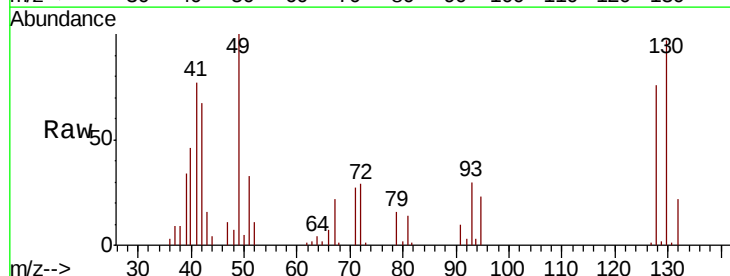
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



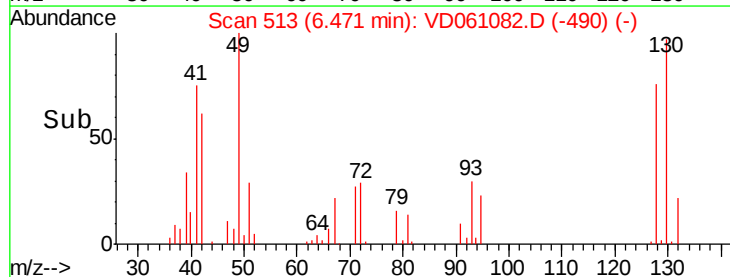
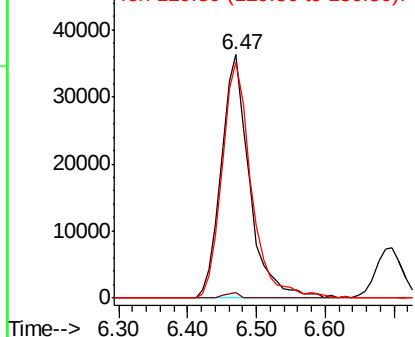
#28

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

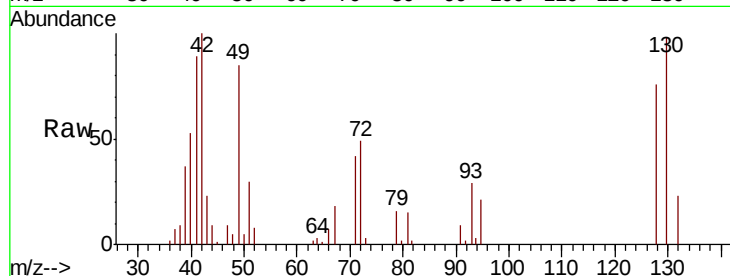
Tgt Ion: 42 Resp: 100257

Ion Ratio Lower Upper

42 100

72 44.4 34.5 51.7

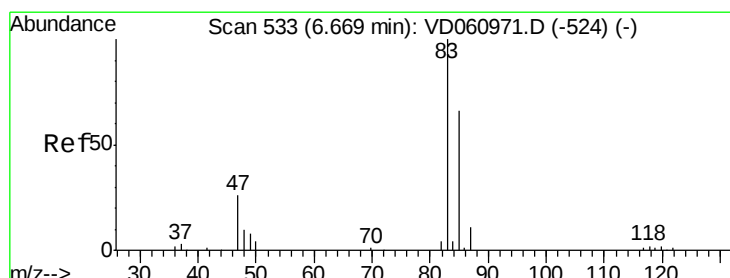
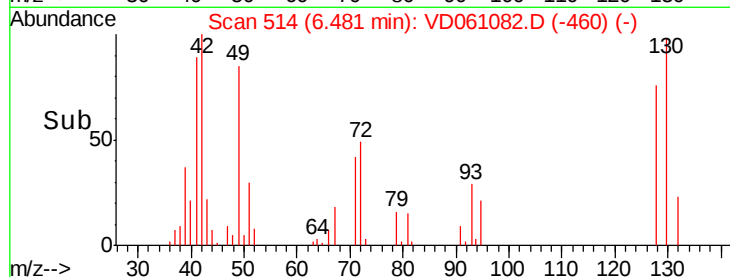
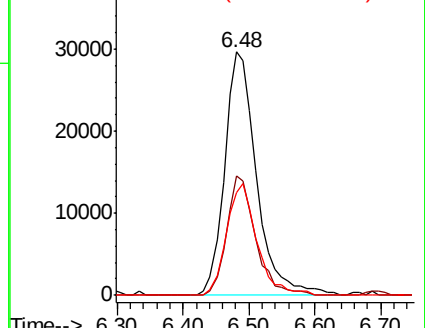
71 43.6 33.8 50.6



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

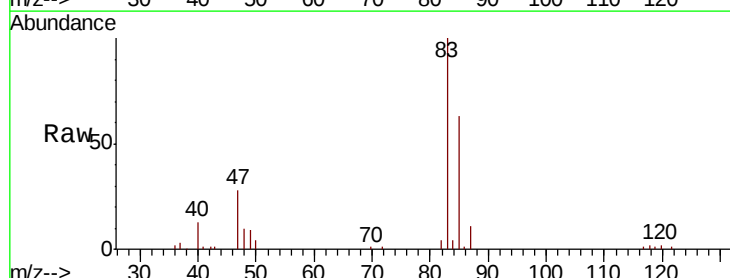
Acq: 15 Mar 2019 12:58

Tgt Ion: 83 Resp: 257410

Ion Ratio Lower Upper

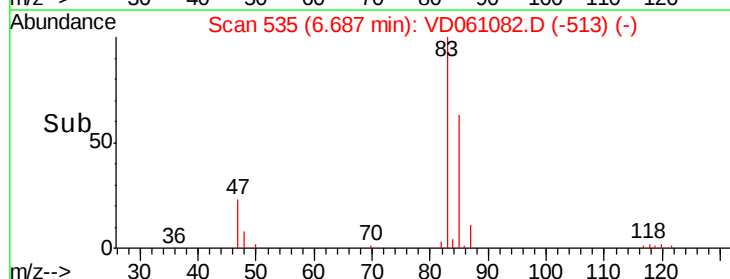
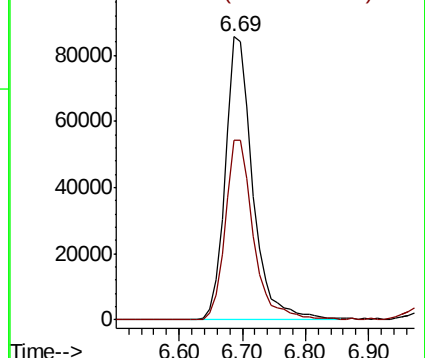
83 100

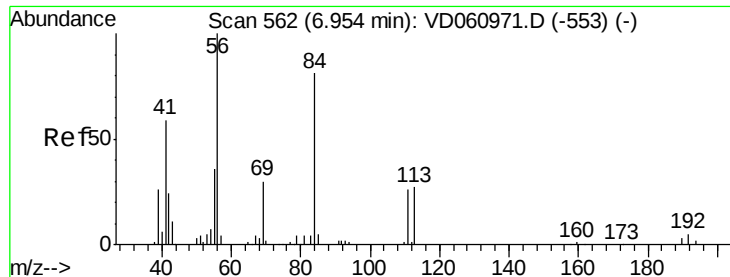
85 63.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

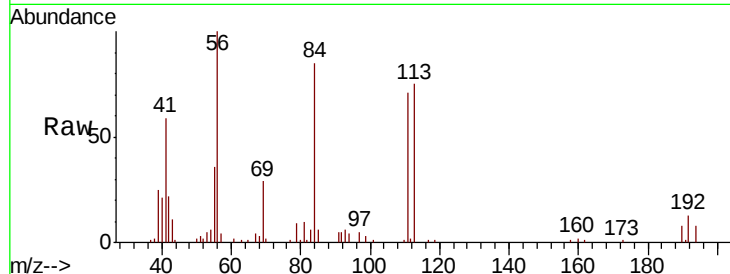




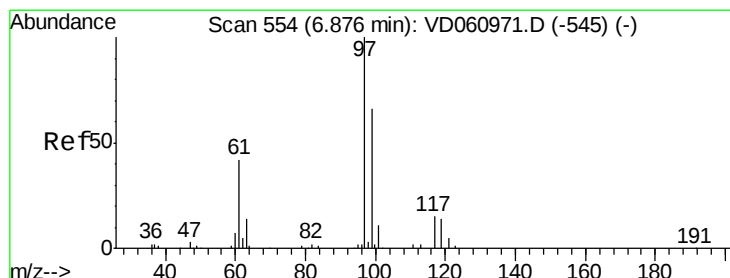
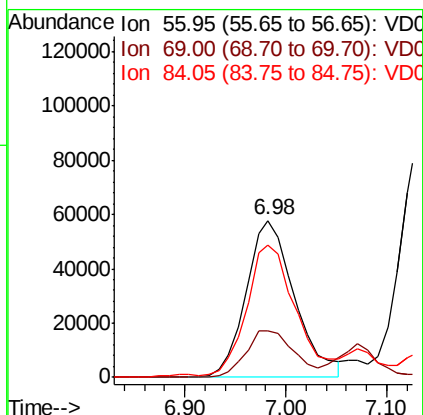
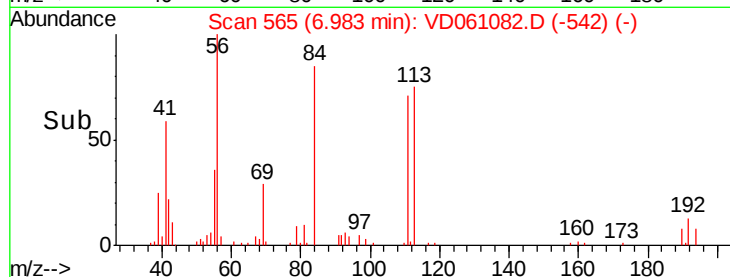
#31
Cyclohexane
Concen: 18.873 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tgt Ion: 56 Resp: 191944
Ion Ratio Lower Upper
56 100
69 29.4 24.0 36.0
84 84.6 65.8 98.6

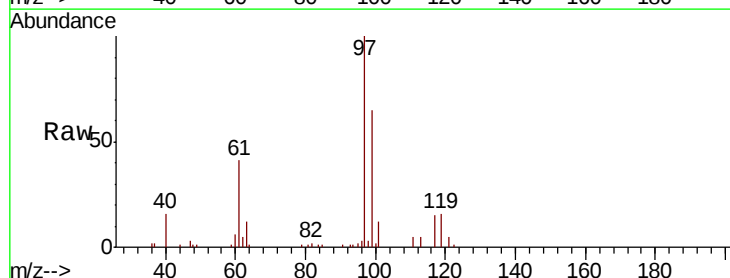


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

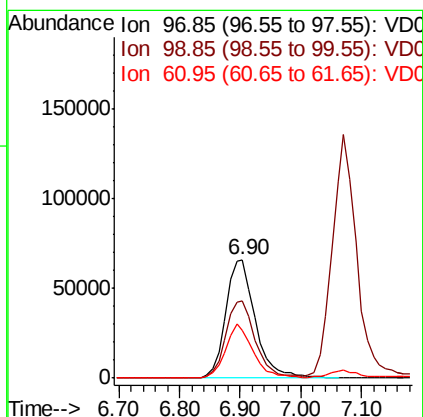
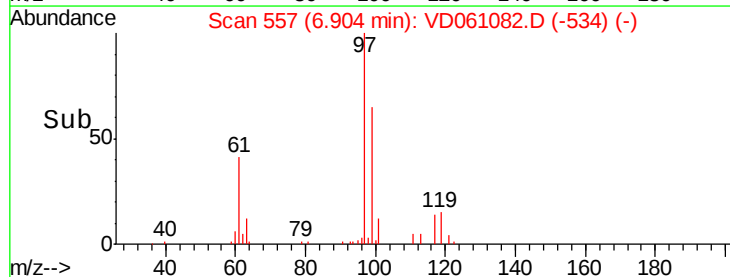


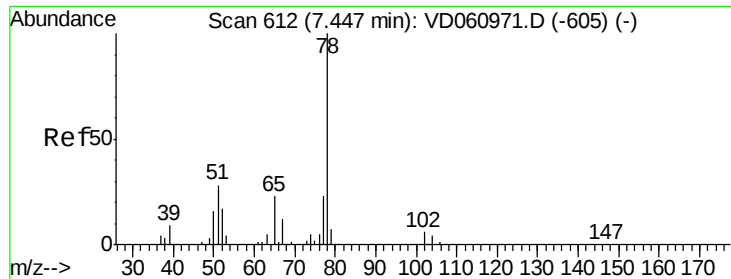
#32
1,1,1-Trichloroethane
Concen: 19.738 ug/l
RT: 6.90 min Scan# 557
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

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 :

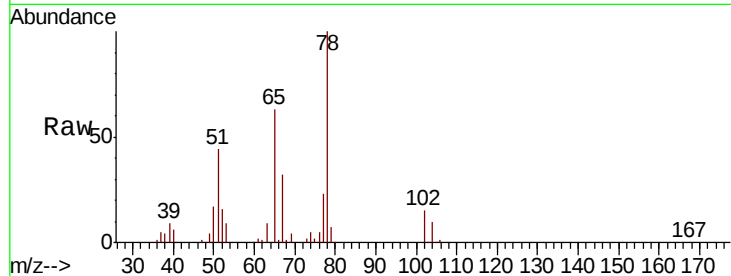
VD0315SBS01

Tgt Ion: 65 Resp: 264811

Ion Ratio Lower Upper

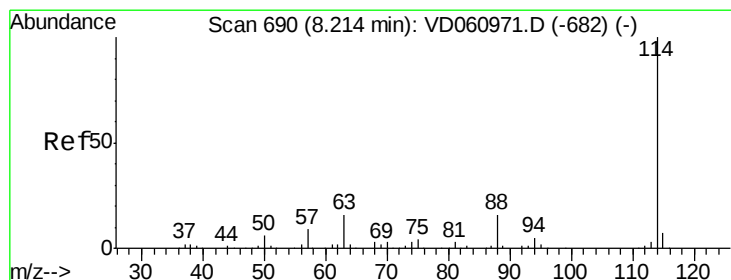
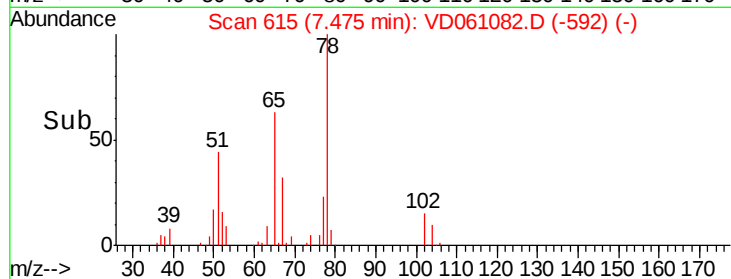
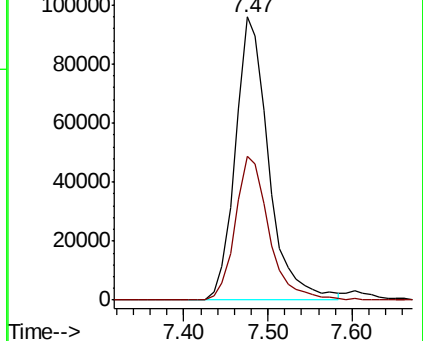
65 100

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

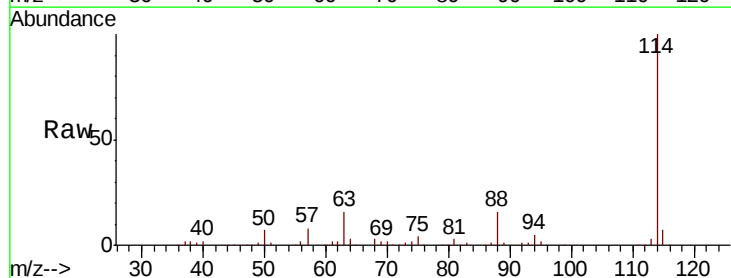
Tgt Ion: 114 Resp: 1209056

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.4

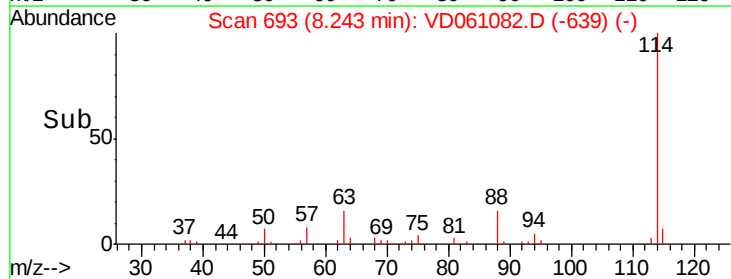
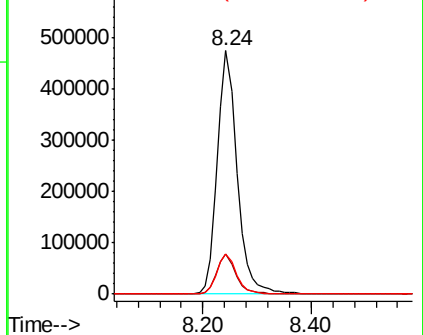
88 16.4 0.0 33.0

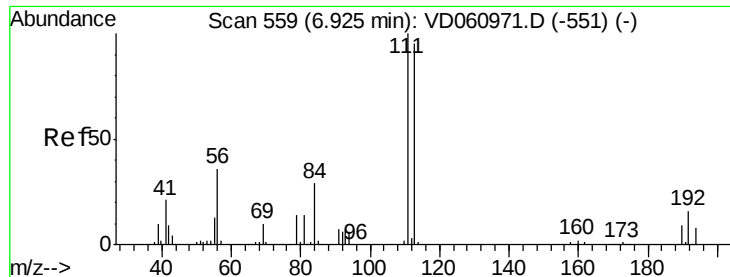


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

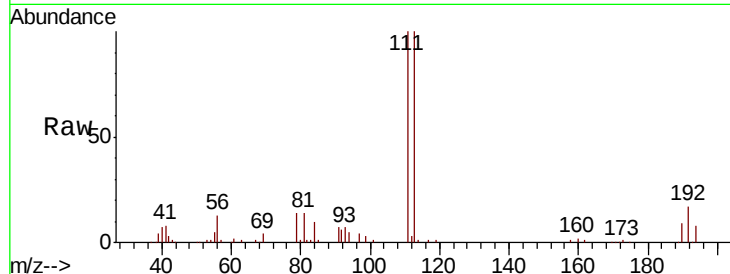




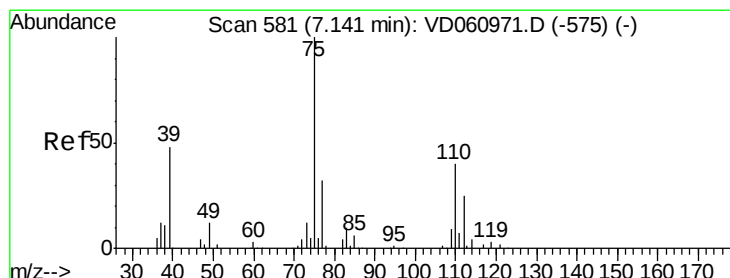
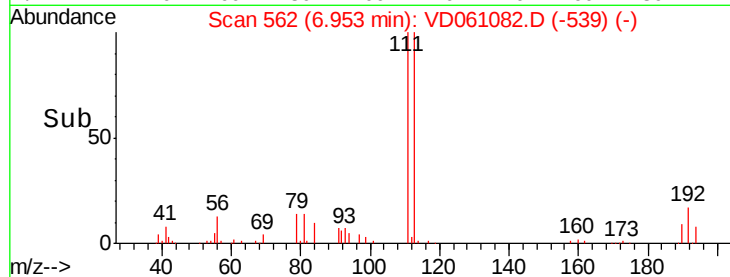
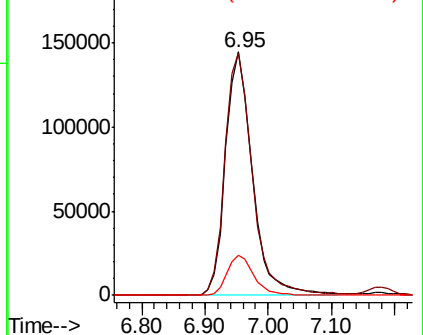
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.6	84.2	126.4
192	16.5	13.1	19.7

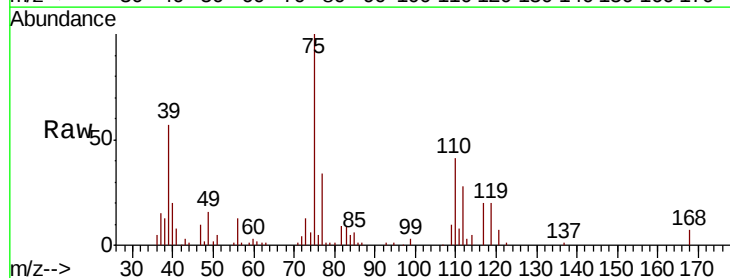


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

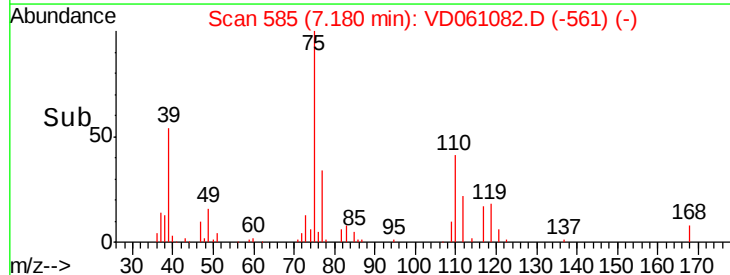
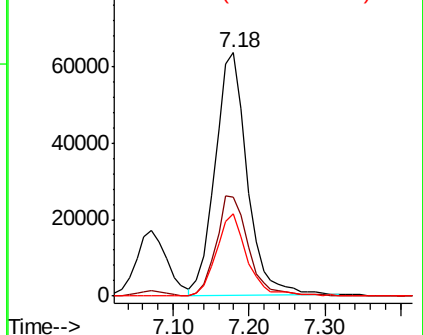


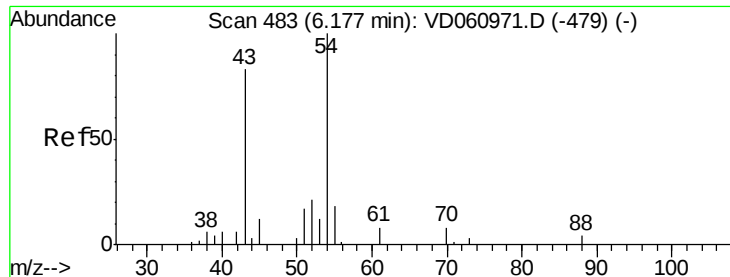
#36
1,1-Dichloropropene
Concen: 17.919 ug/l
RT: 7.18 min Scan# 585
Delta R.T. 0.04 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Tgt Ion	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): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

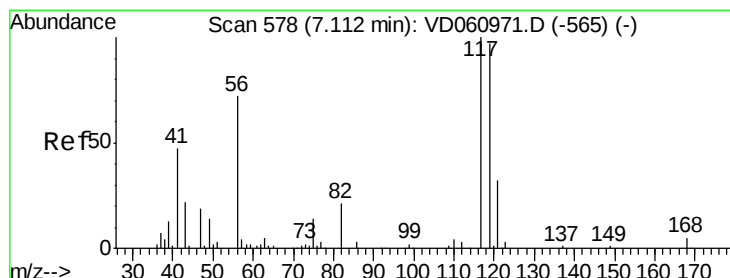
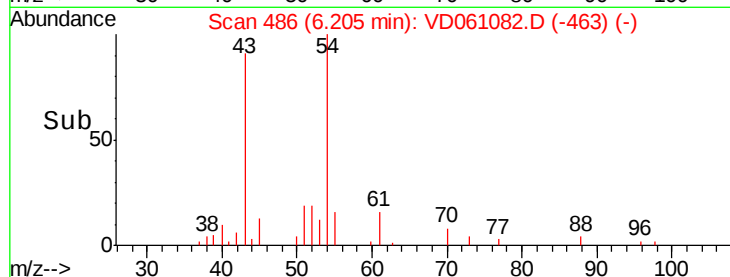
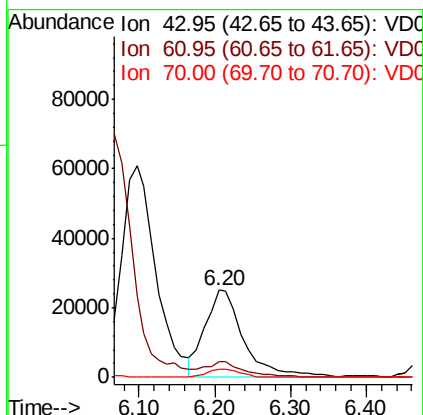
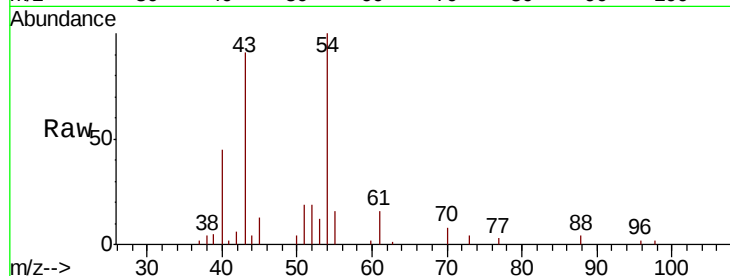




#37
 Ethyl Acetate
 Concen: 18.249 ug/l
 RT: 6.20 min Scan# 486
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

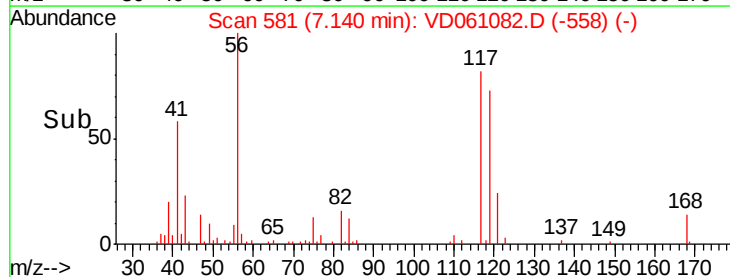
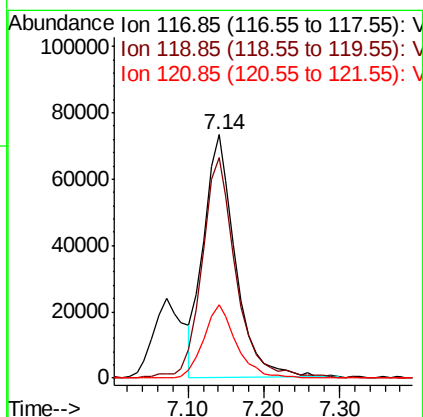
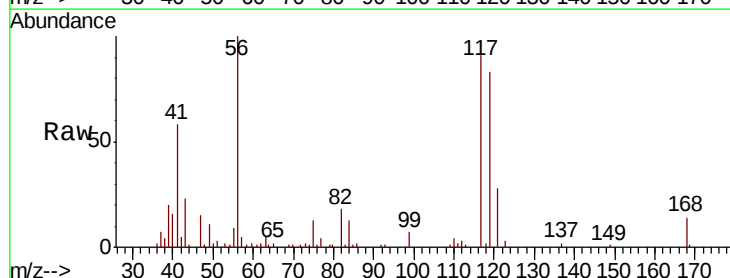
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tgt 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

Methylcyclohexane

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

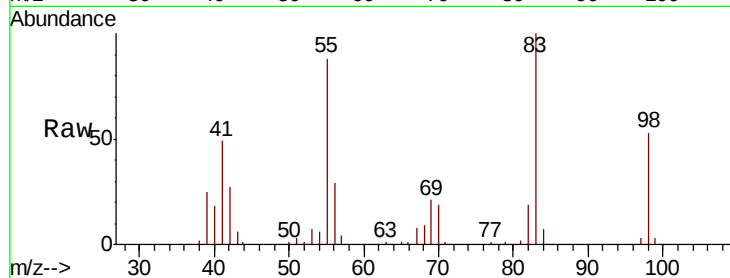
Tgt Ion: 83 Resp: 194893

Ion Ratio Lower Upper

83 100

55 88.4 69.6 104.4

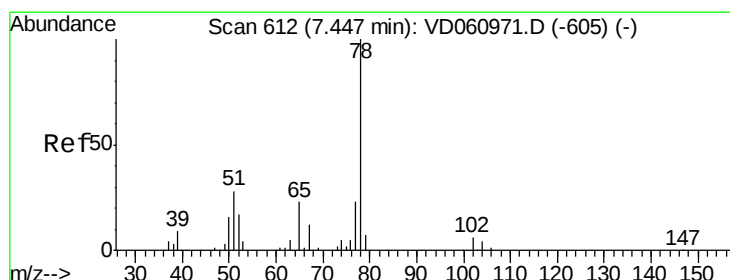
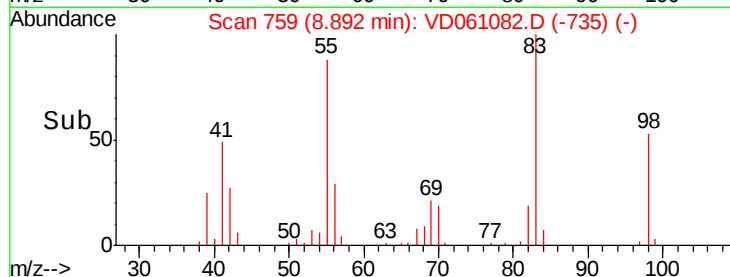
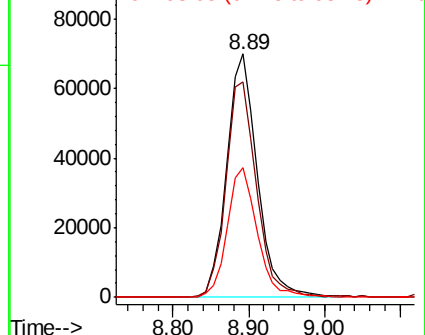
98 53.3 40.0 60.0



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

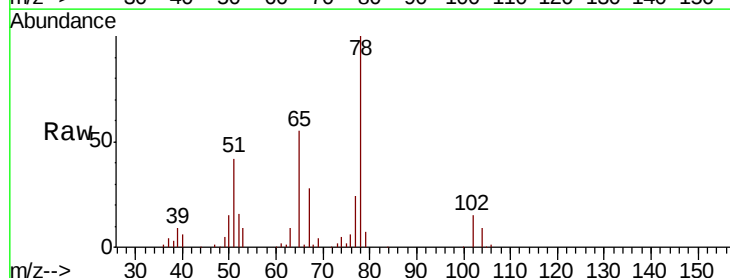
Acq: 15 Mar 2019 12:58

Tgt Ion: 78 Resp: 473203

Ion Ratio Lower Upper

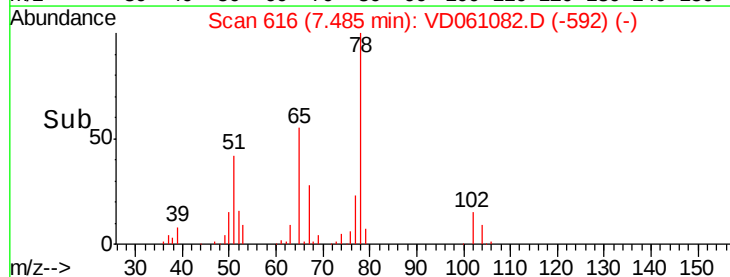
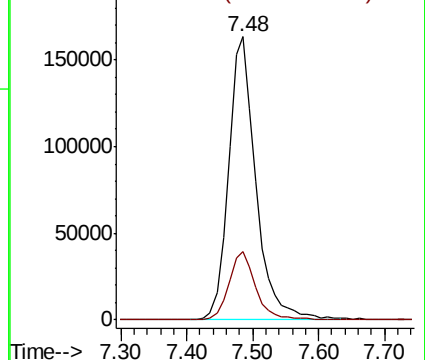
78 100

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

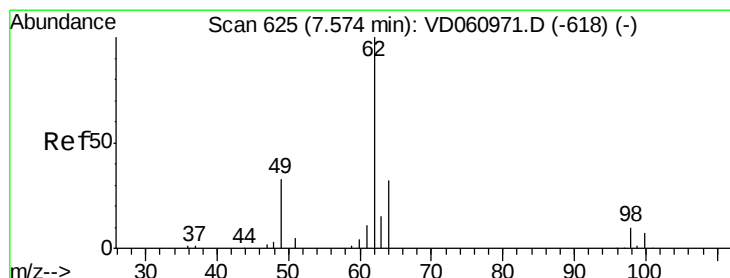
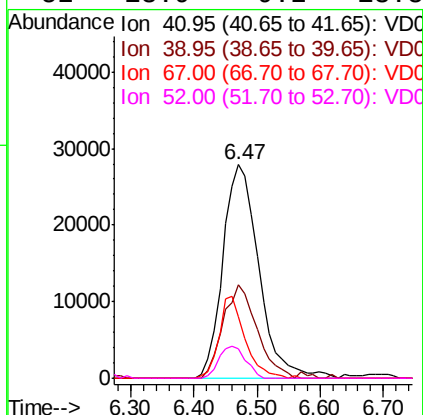
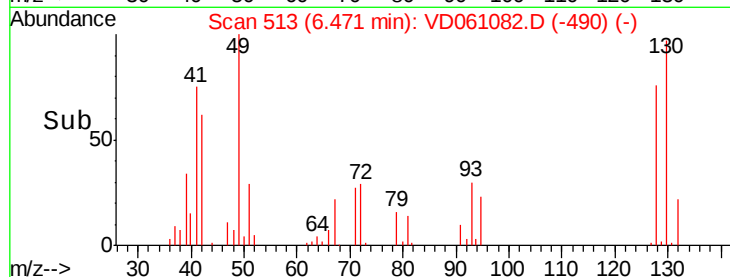
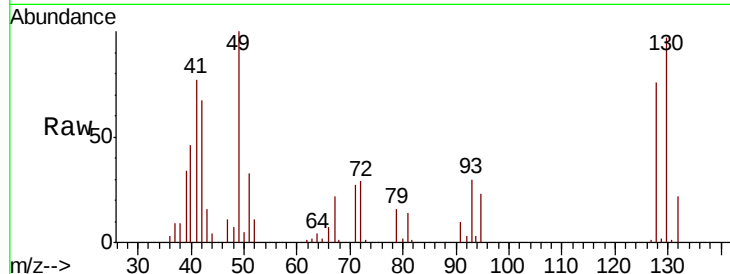




#41
Methacrylonitrile
Concen: 19.612 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

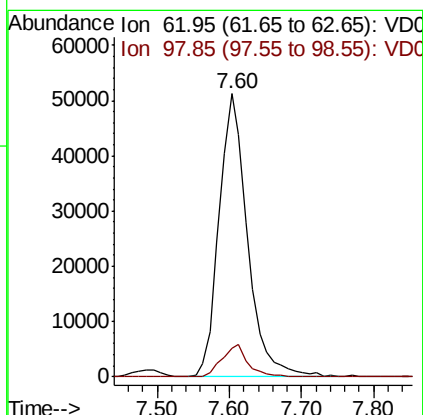
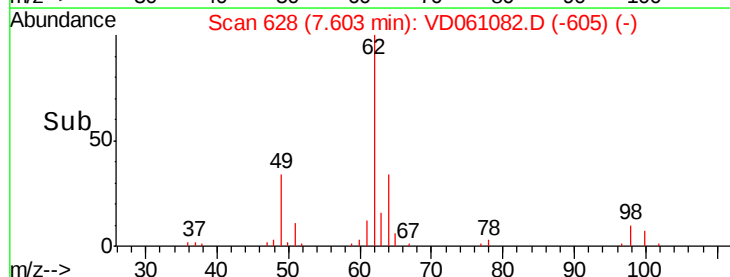
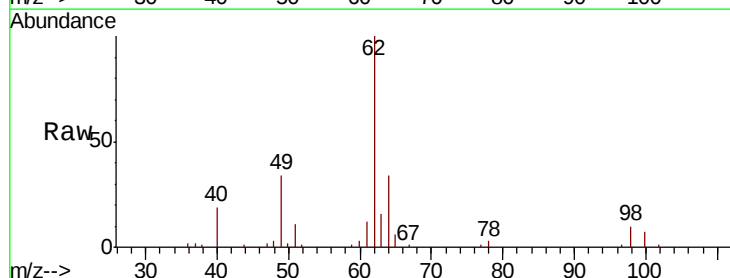
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

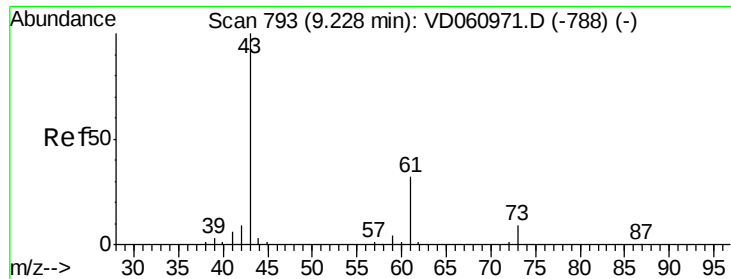
Tgt Ion: 41 Resp: 110326
Ion Ratio Lower Upper
41 100
39 43.7 35.7 53.5
67 28.8 23.0 34.6
52 13.9 9.2 13.8#



#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



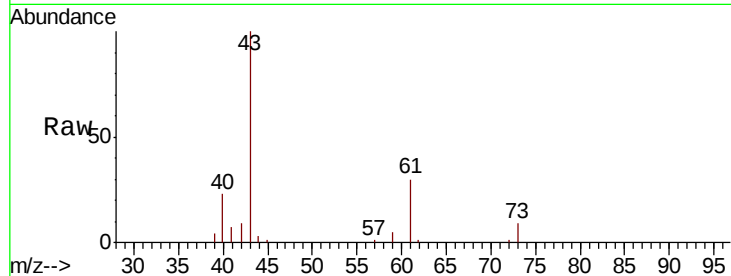


#43

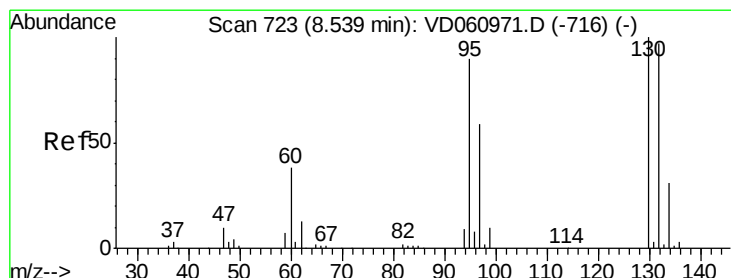
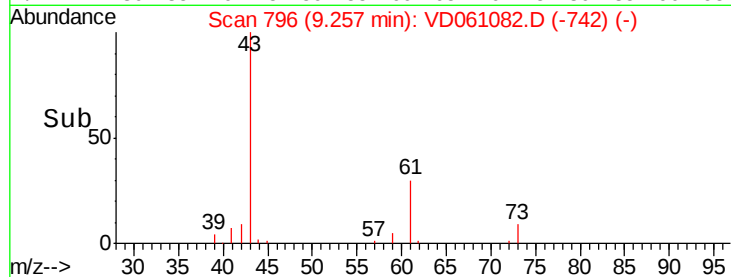
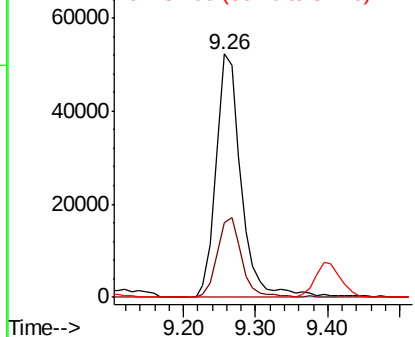
Isopropyl Acetate
 Concen: 18.506 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

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



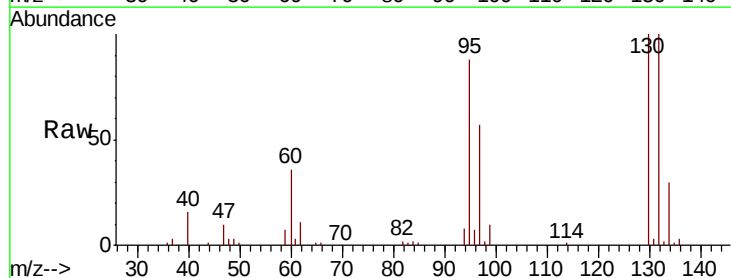
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



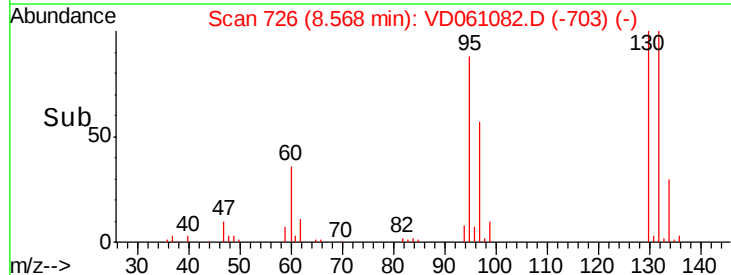
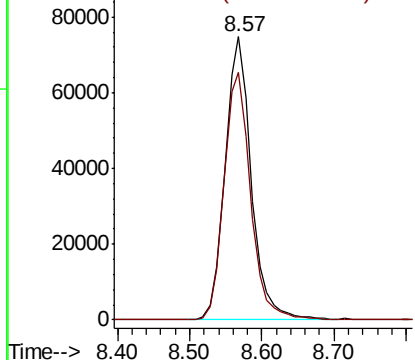
#44

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 :

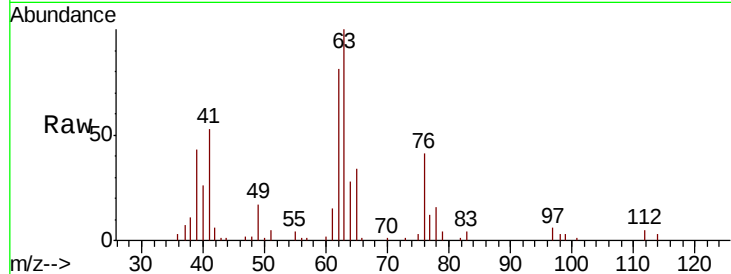
VD0315SBS01

Tgt Ion: 63 Resp: 122662

Ion Ratio Lower Upper

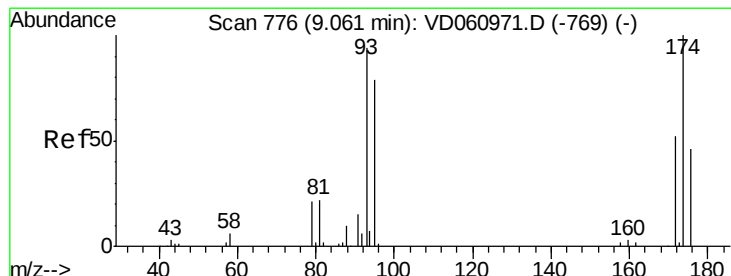
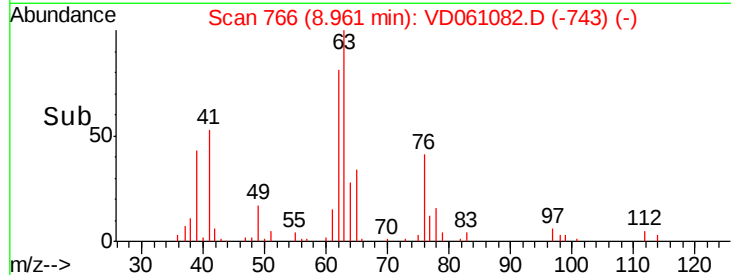
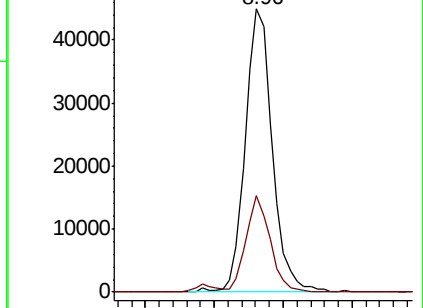
63 100

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

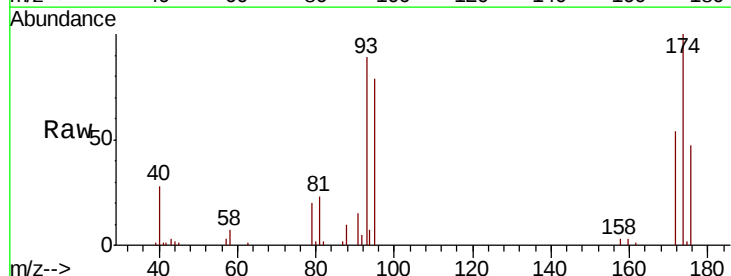
Tgt Ion: 93 Resp: 81035

Ion Ratio Lower Upper

93 100

95 89.3 67.4 101.0

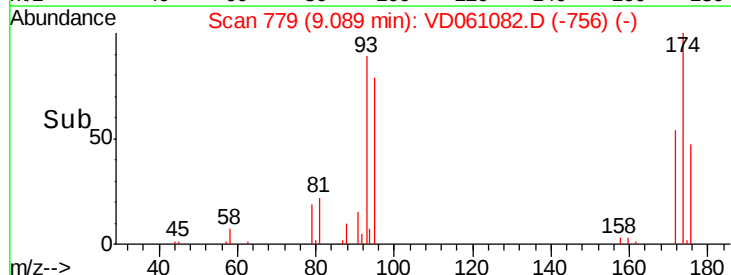
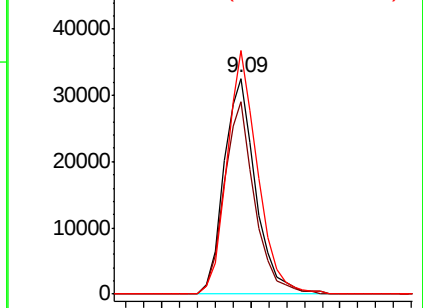
174 112.7 85.4 128.0

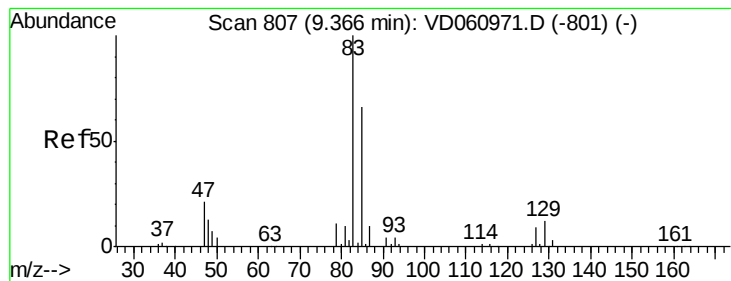


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#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 :

VD0315SBS01

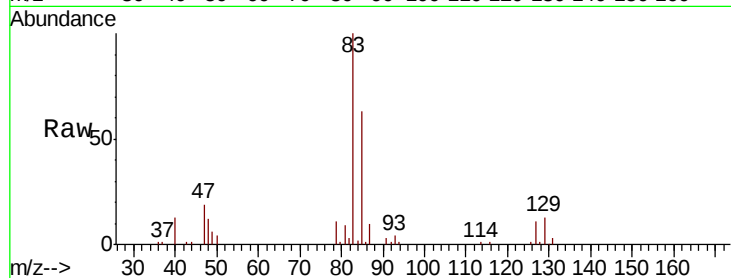
Tgt Ion: 83 Resp: 189076

Ion Ratio Lower Upper

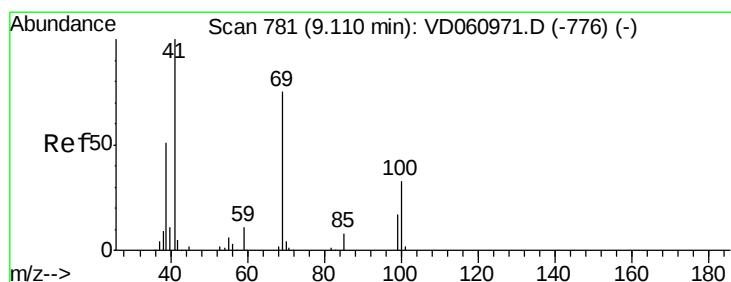
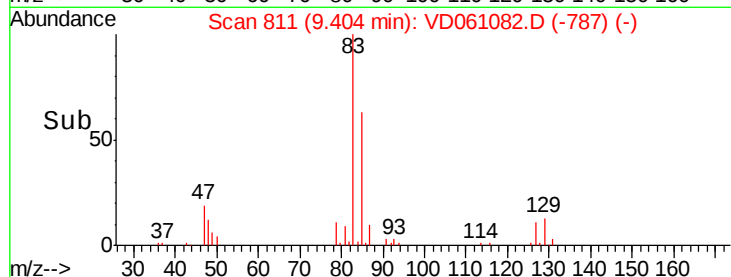
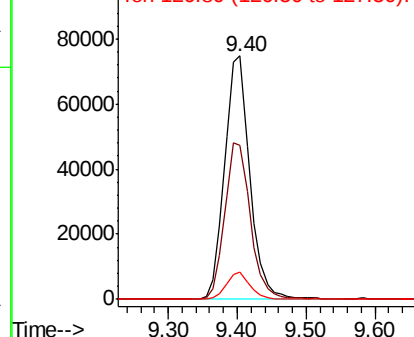
83 100

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): VDC



#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

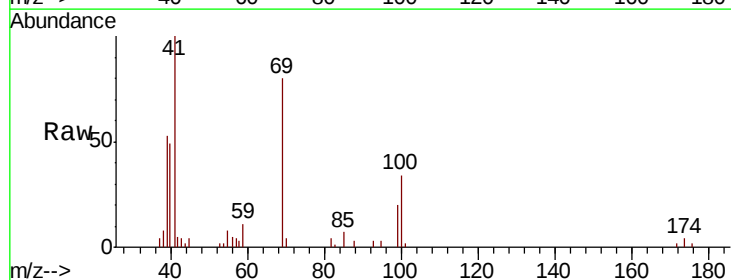
Tgt Ion: 41 Resp: 74643

Ion Ratio Lower Upper

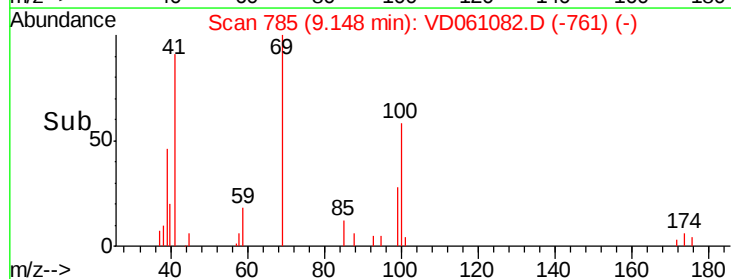
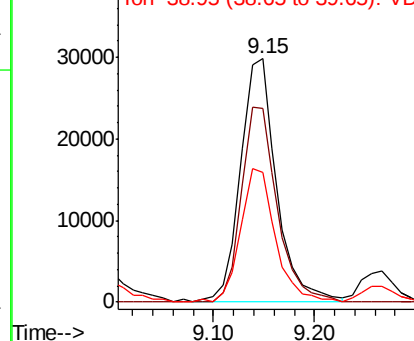
41 100

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

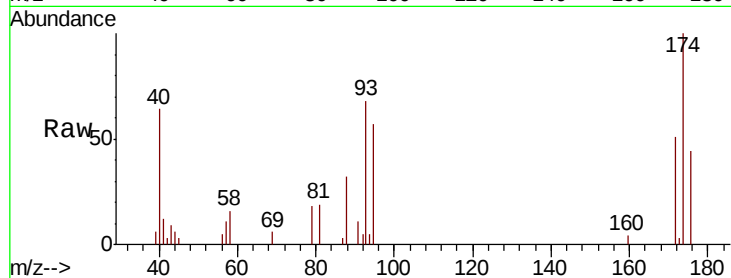
Tgt Ion: 88 Resp: 15562

Ion Ratio Lower Upper

88 100

43 27.3 21.0 31.6

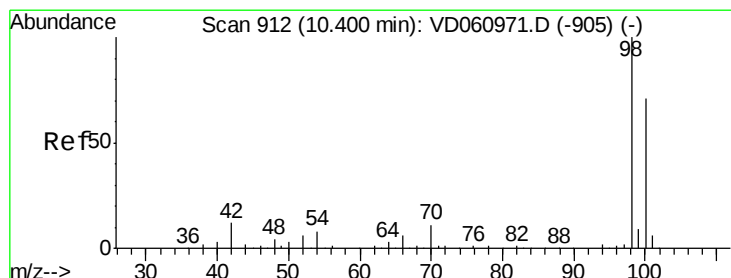
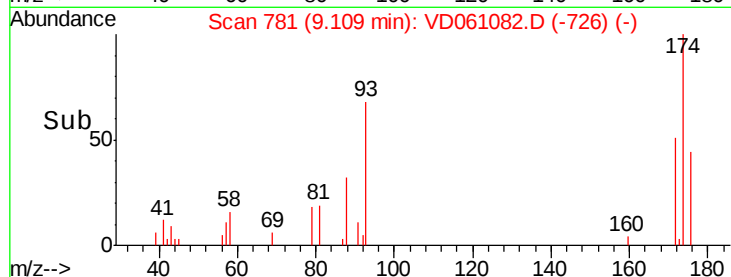
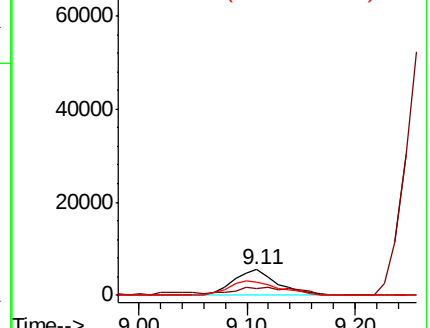
58 50.6 48.6 72.8



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

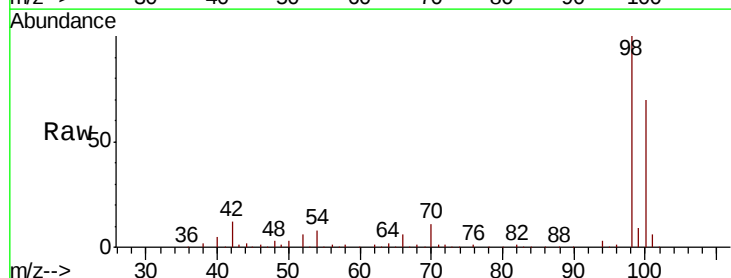
Acq: 15 Mar 2019 12:58

Tgt Ion: 98 Resp: 1053237

Ion Ratio Lower Upper

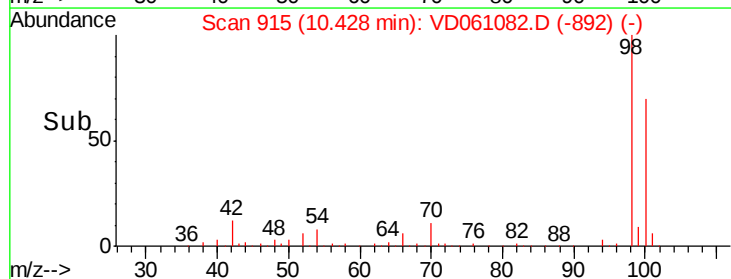
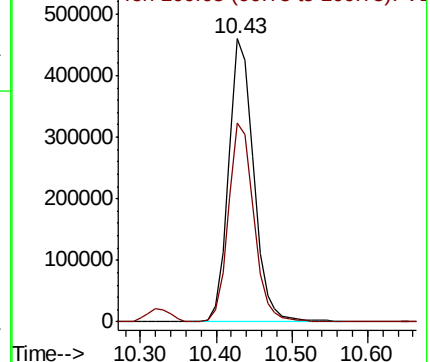
98 100

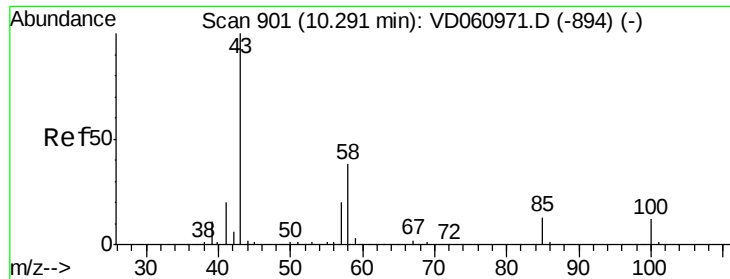
100 70.4 57.4 86.2



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 :

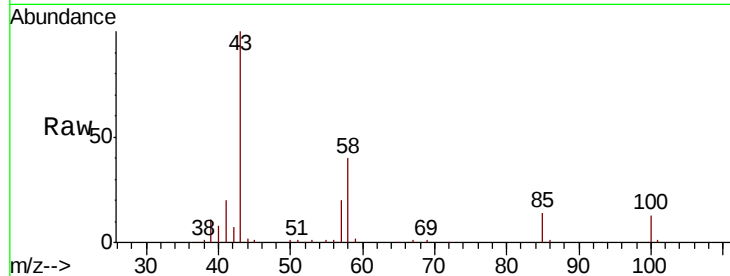
VD0315SBS01

Tgt Ion: 43 Resp: 398568

Ion Ratio Lower Upper

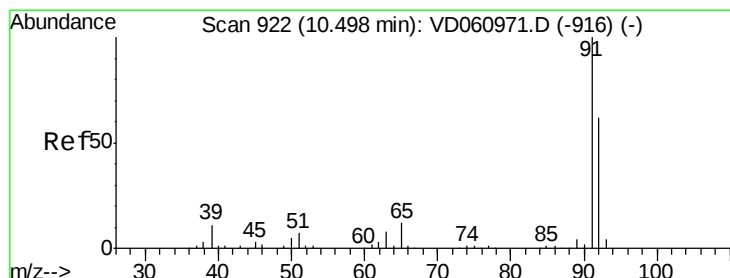
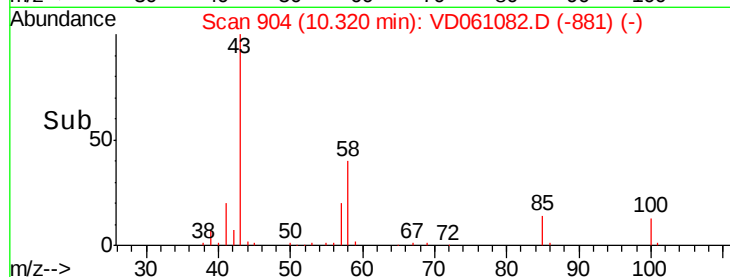
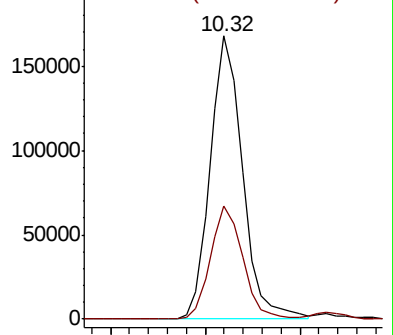
43 100

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

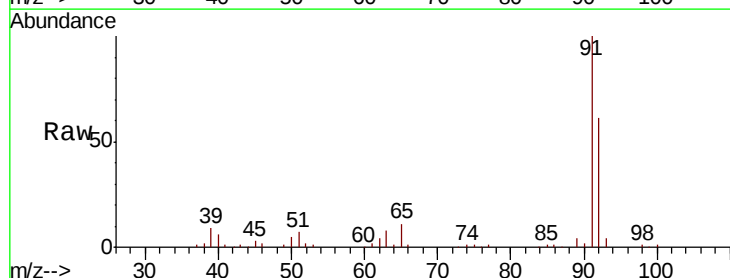
Acq: 15 Mar 2019 12:58

Tgt Ion: 92 Resp: 332568

Ion Ratio Lower Upper

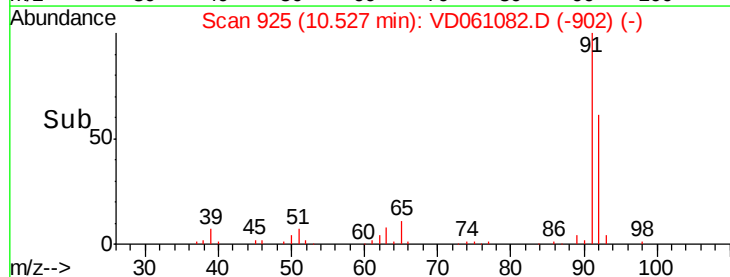
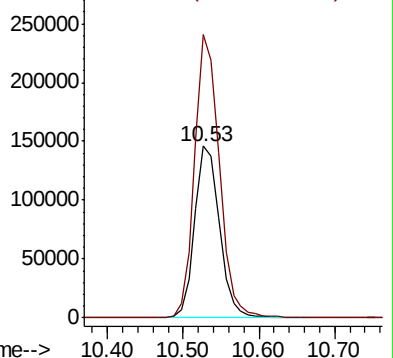
92 100

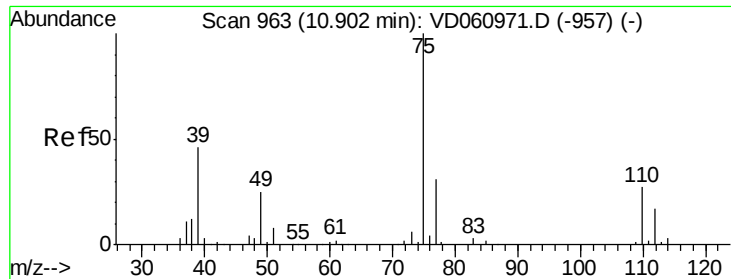
91 164.8 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

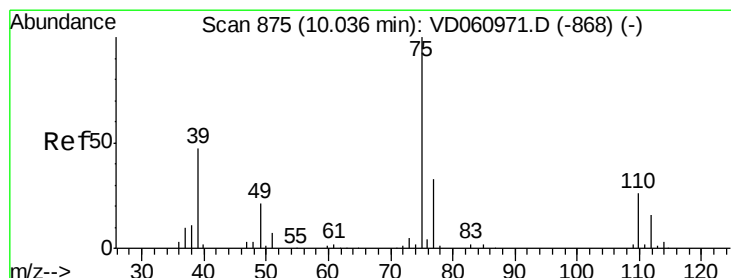
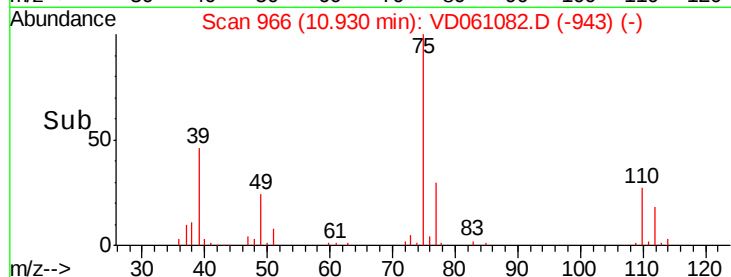
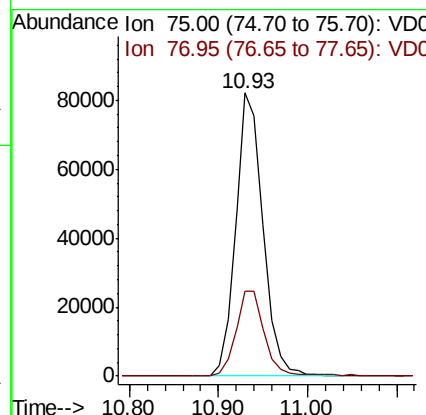
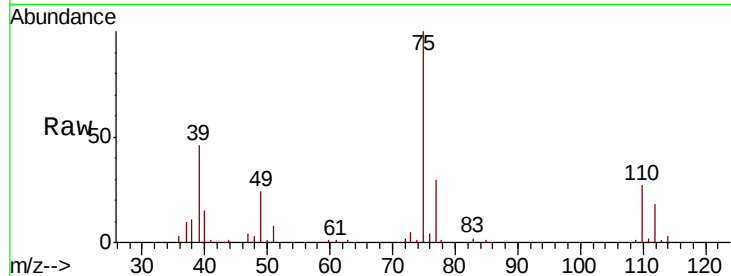




#53
 t-1,3-Dichloropropene
 Concen: 19.587 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

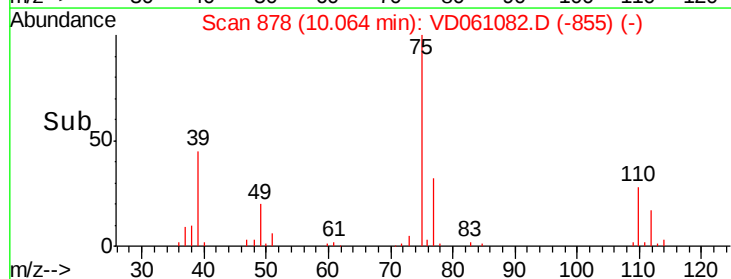
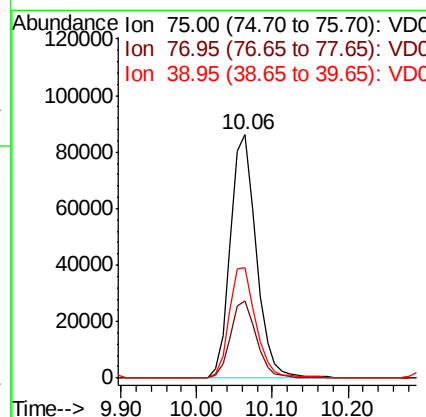
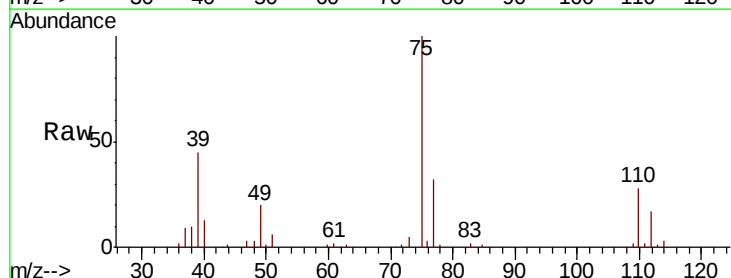
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

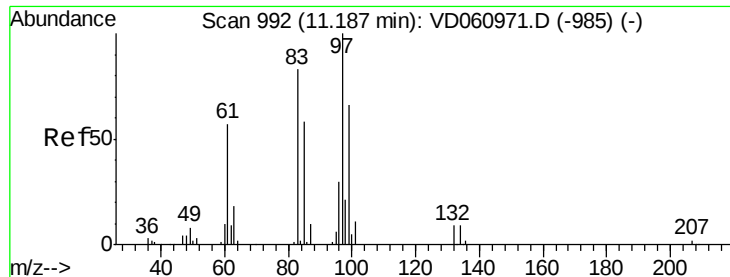
Tgt Ion: 75 Resp: 175401
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.7 37.1



#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

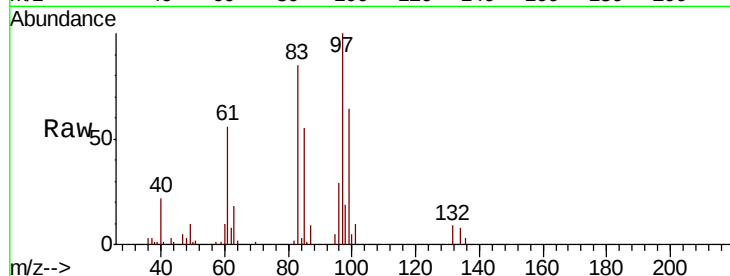




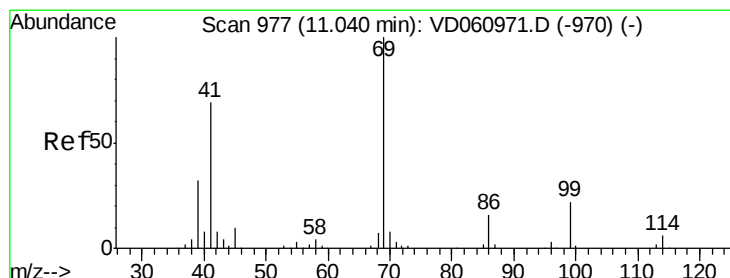
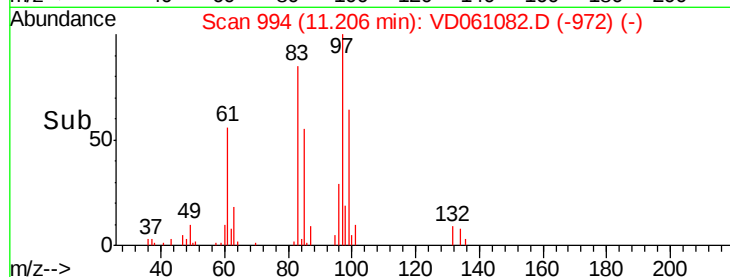
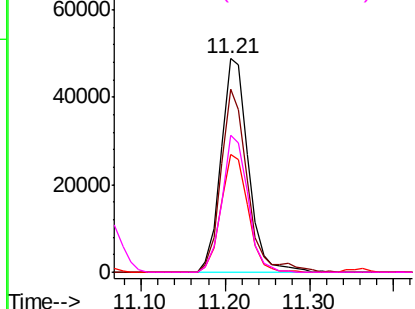
#55
 1,1,2-Trichloroethane
 Concen: 20.297 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt 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

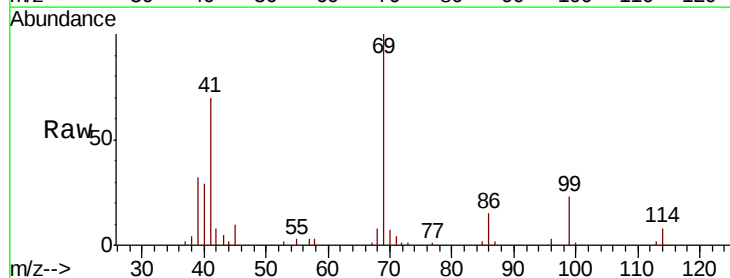


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

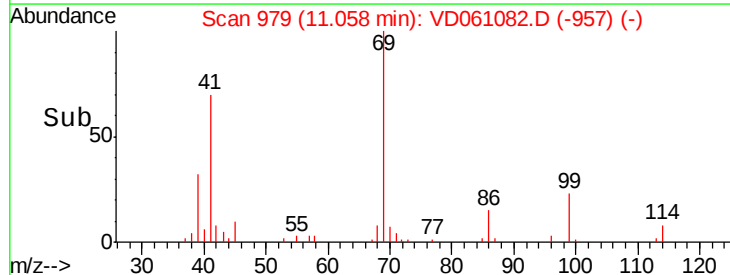
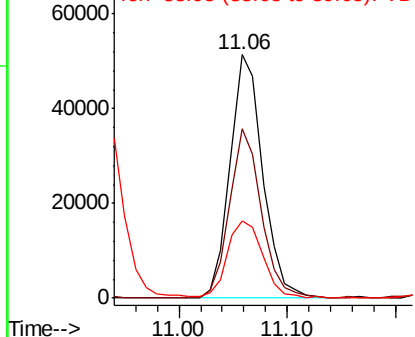


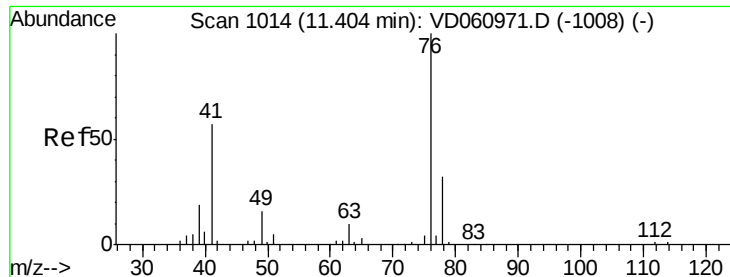
#56
 Ethyl methacrylate
 Concen: 19.084 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

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 :

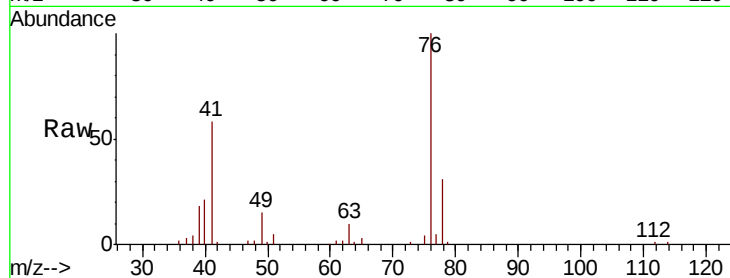
VD0315SBS01

Tgt Ion: 76 Resp: 161862

Ion Ratio Lower Upper

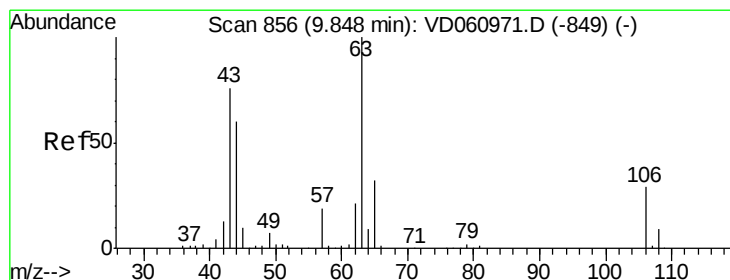
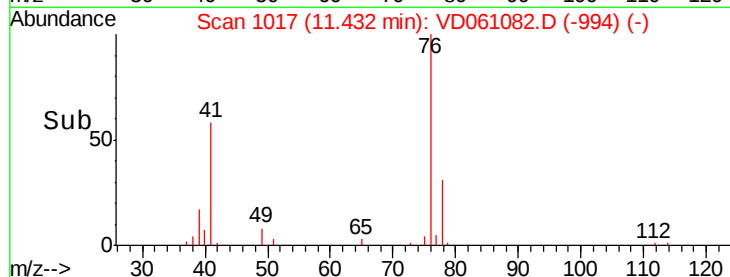
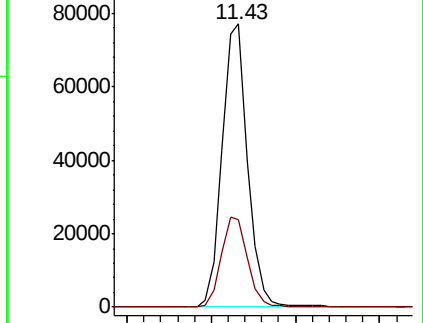
76 100

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

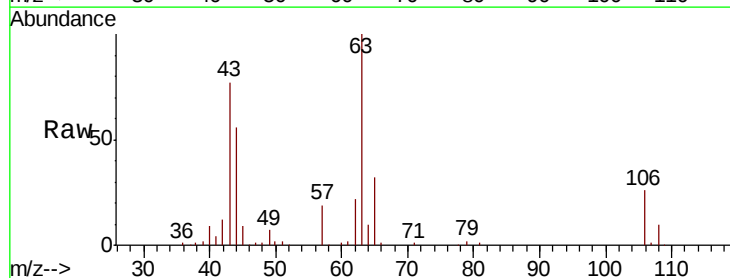
Acq: 15 Mar 2019 12:58

Tgt Ion: 63 Resp: 279172

Ion Ratio Lower Upper

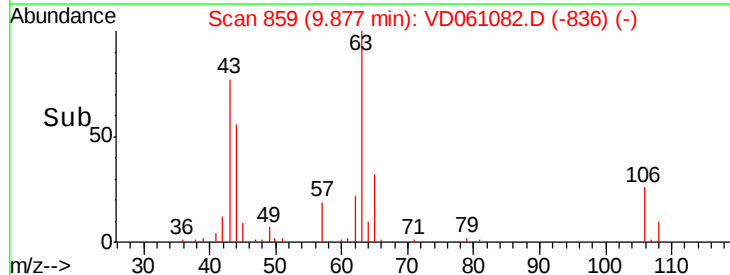
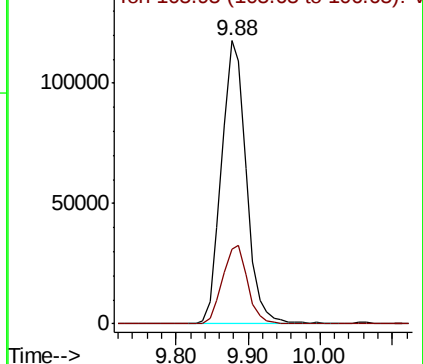
63 100

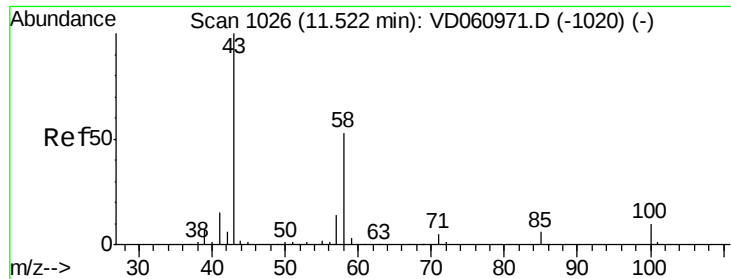
106 26.4 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

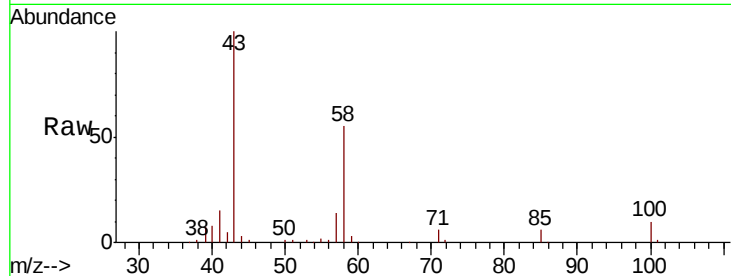




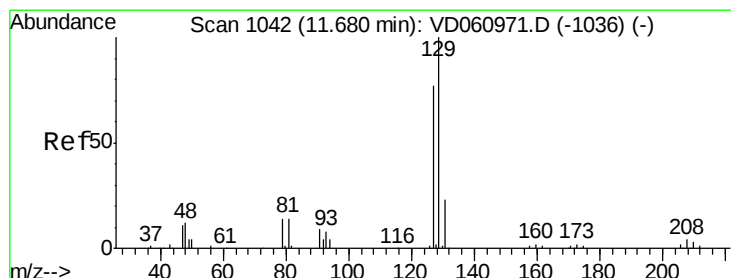
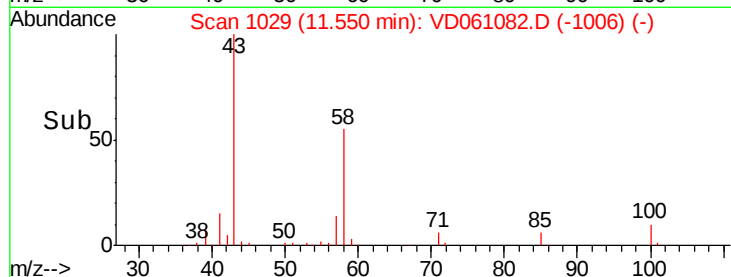
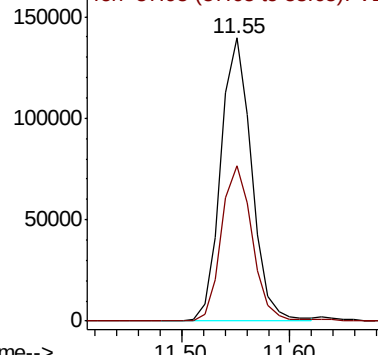
#59
2-Hexanone
Concen: 91.330 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

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

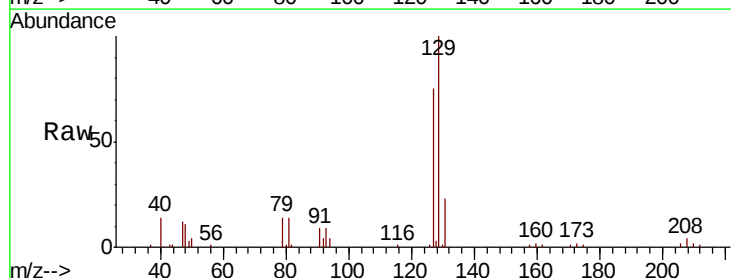


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

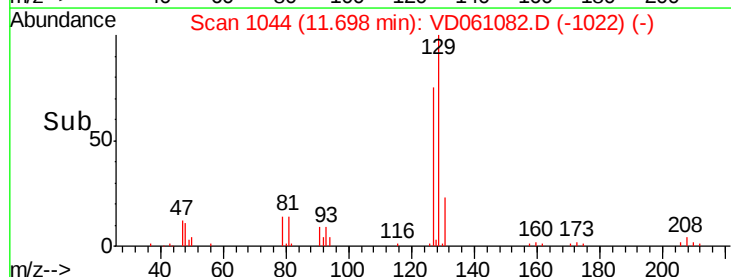
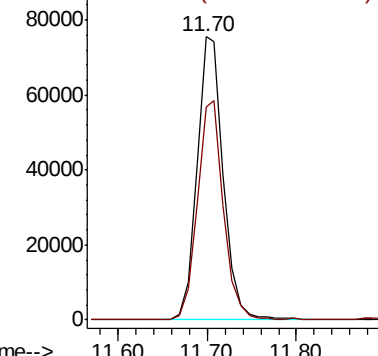


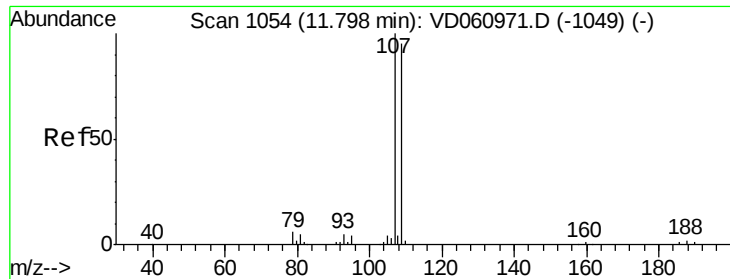
#60
Dibromochloromethane
Concen: 19.644 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

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



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

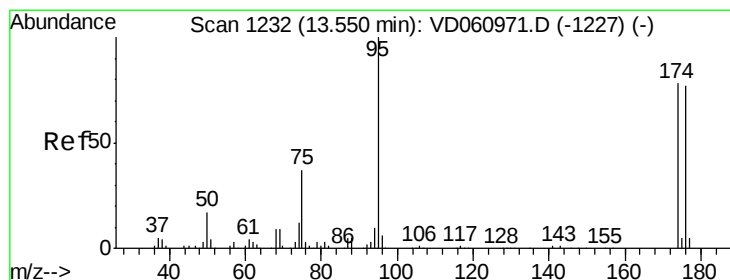
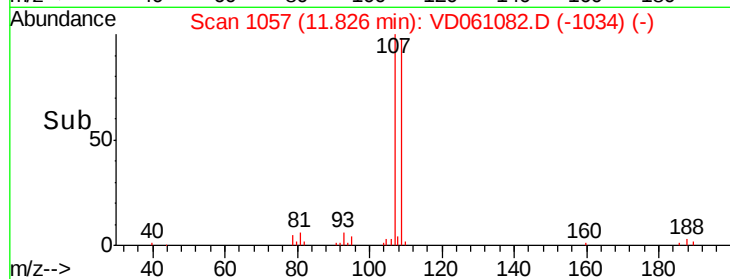
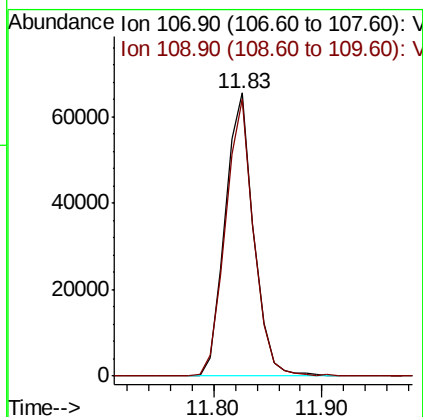
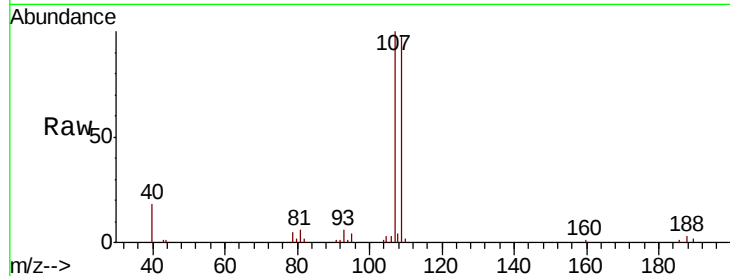




#61
 1,2-Dibromoethane
 Concen: 19.063 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

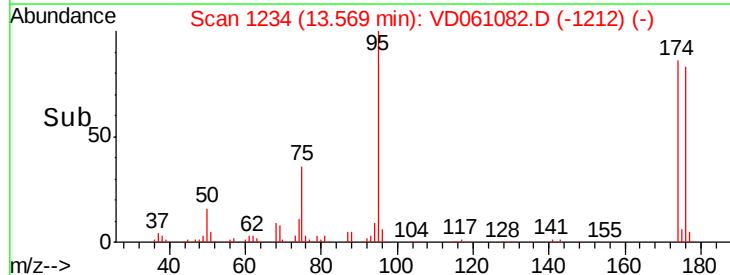
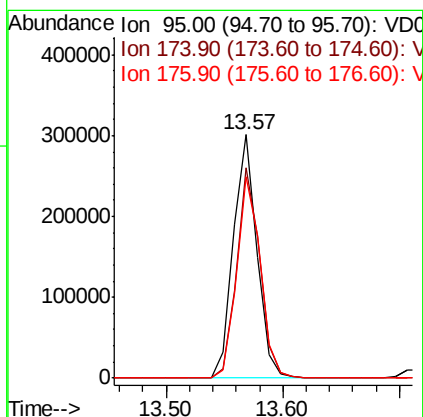
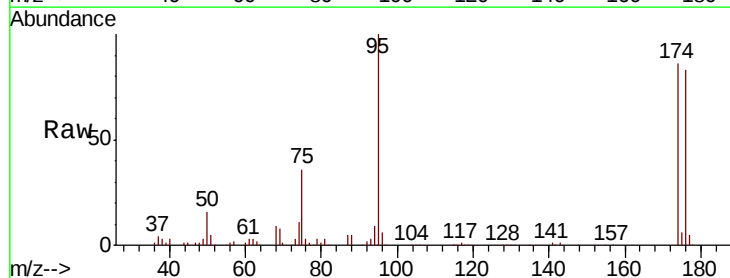
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

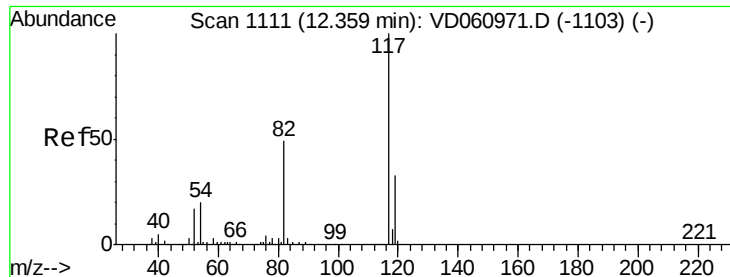
Tgt Ion: 107 Resp: 119590
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.6 113.4



#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

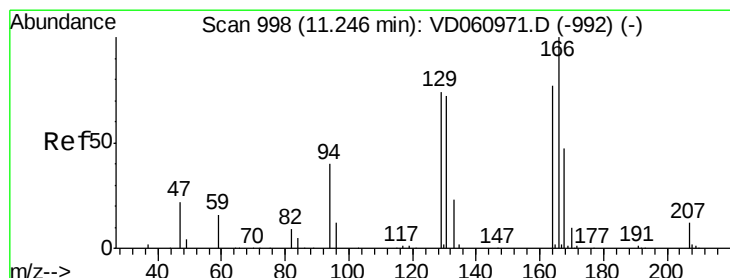
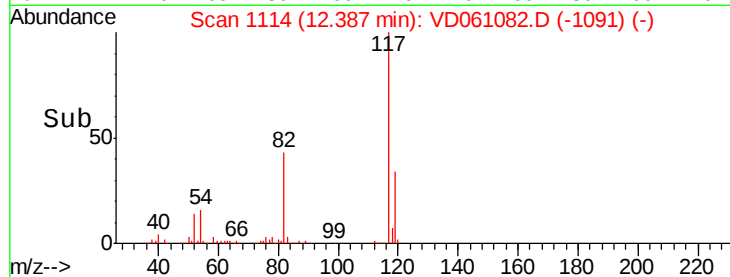
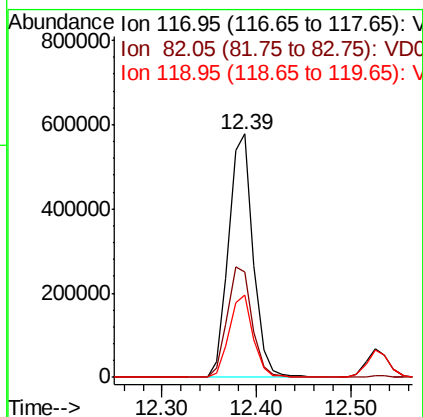
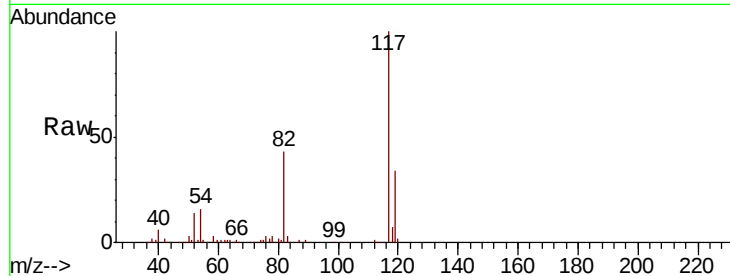




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

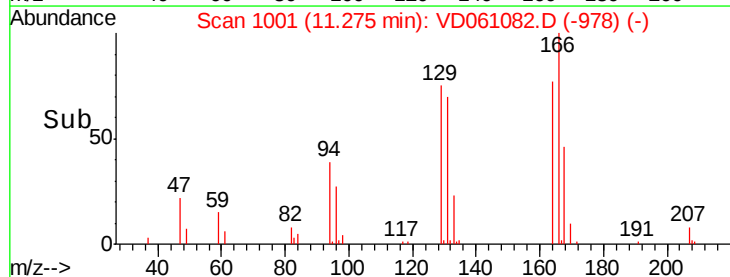
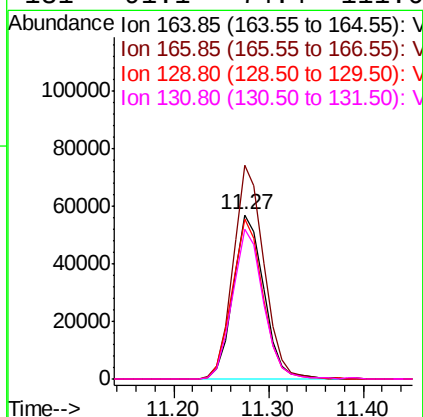
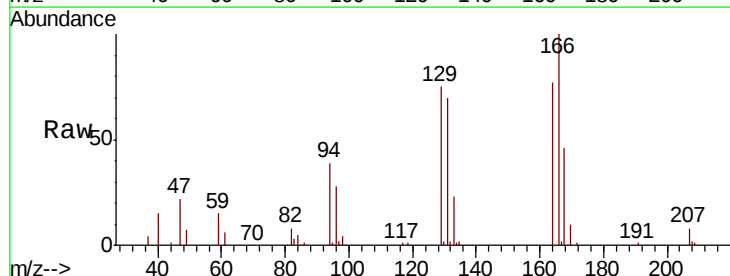
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

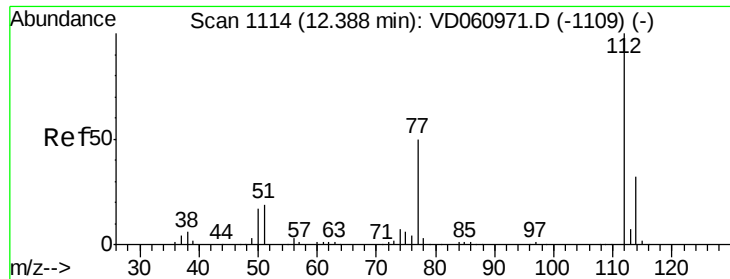
Tgt Ion:117 Resp: 1036834
Ion Ratio Lower Upper
117 100
82 43.2 38.9 58.3
119 33.8 26.6 39.8



#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

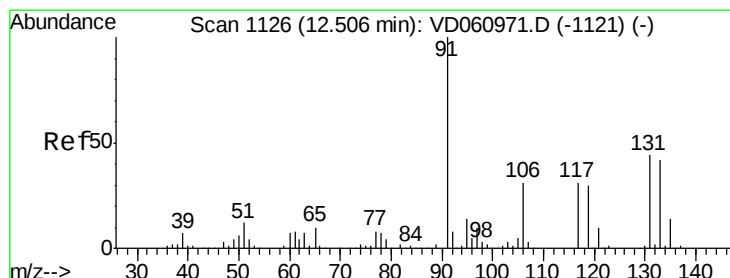
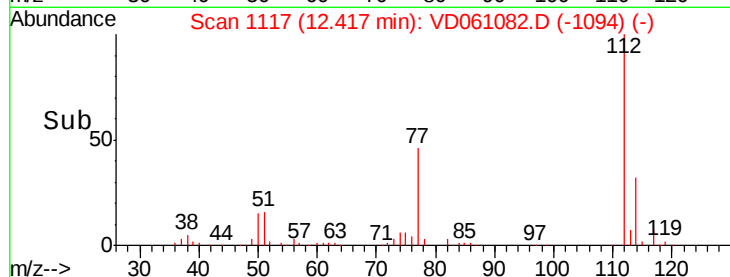
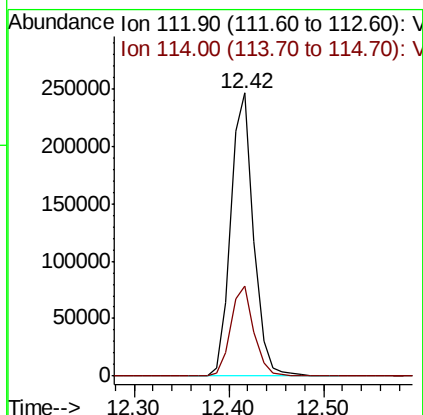
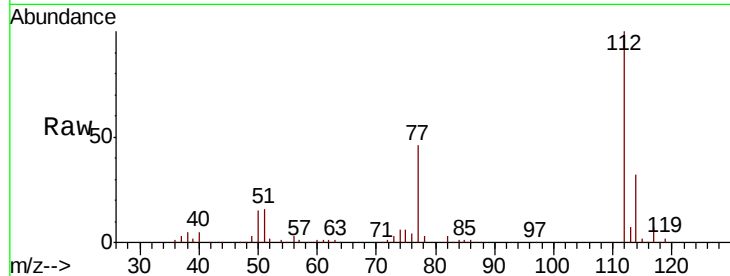




#65
Chlorobenzene
Concen: 20.168 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

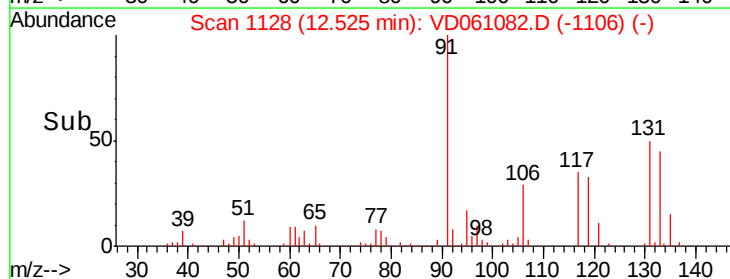
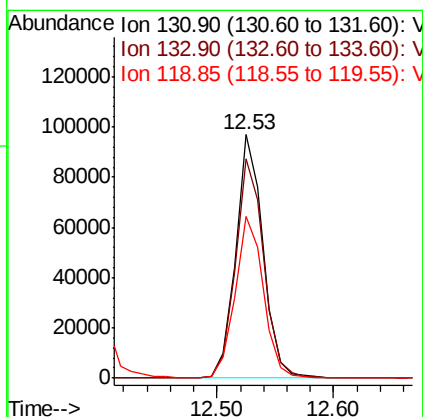
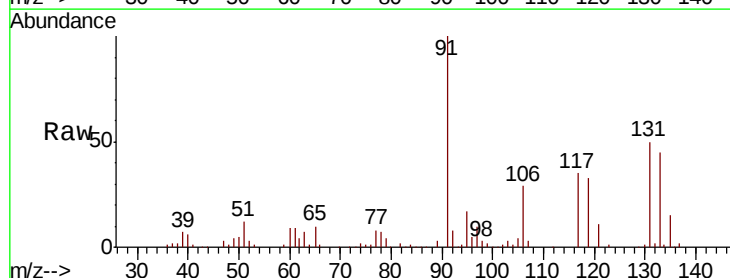
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt 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

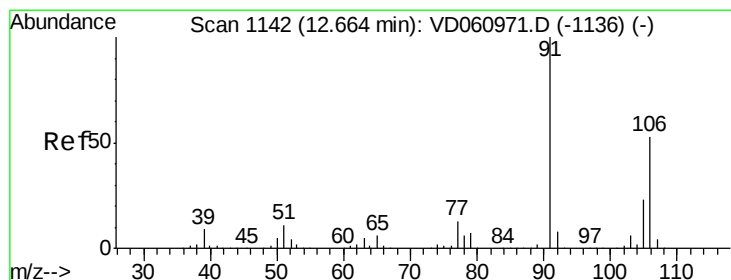
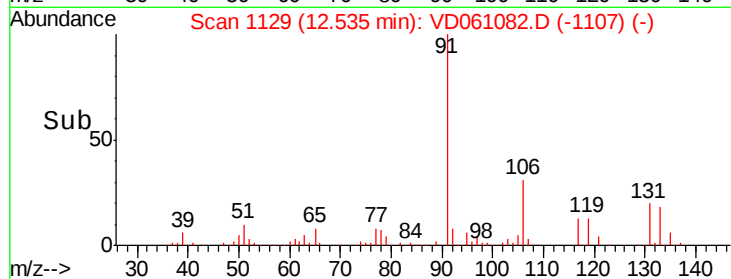
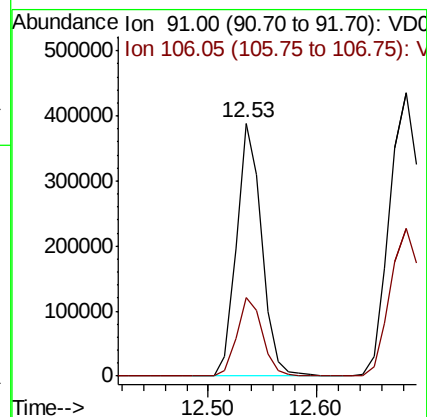
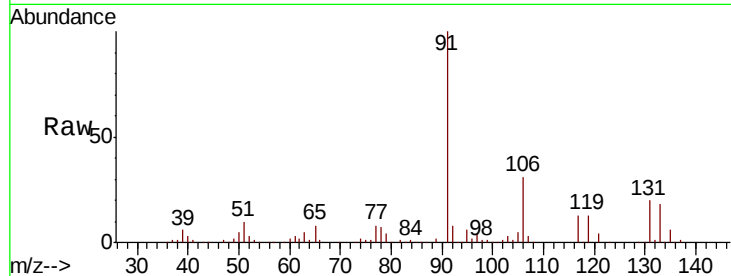




#67
Ethyl Benzene
Concen: 20.732 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

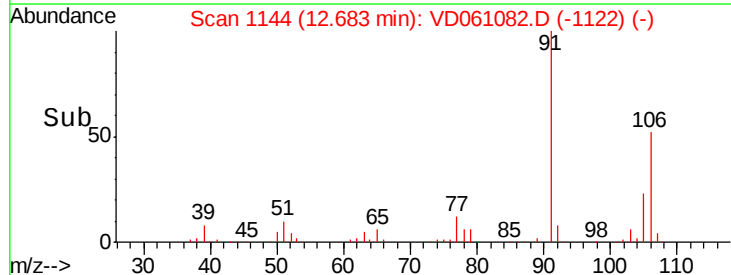
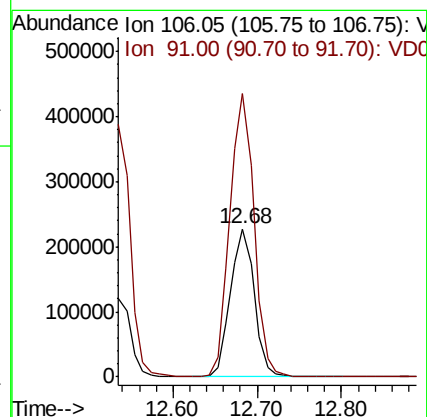
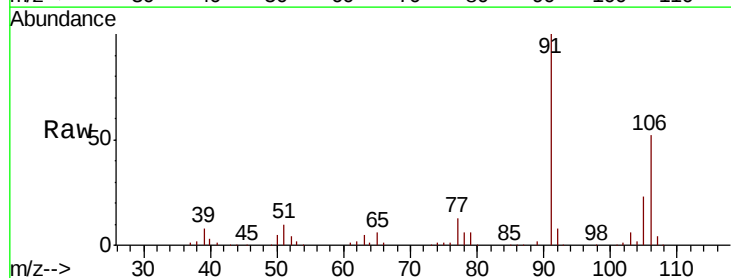
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

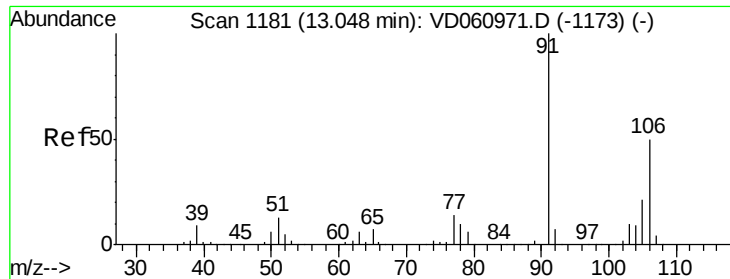
Tgt Ion: 91 Resp: 627370
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5



#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

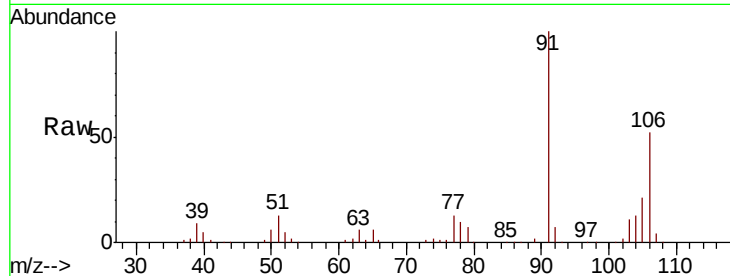




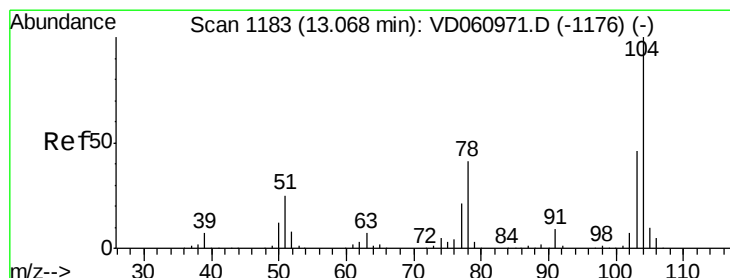
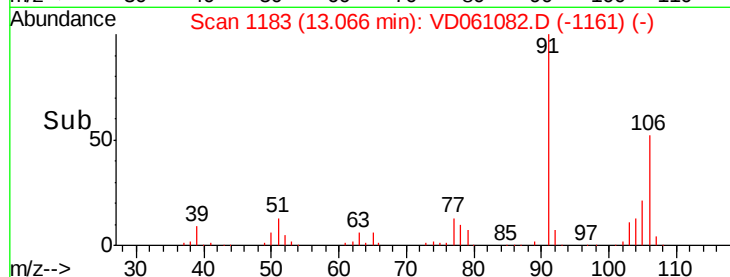
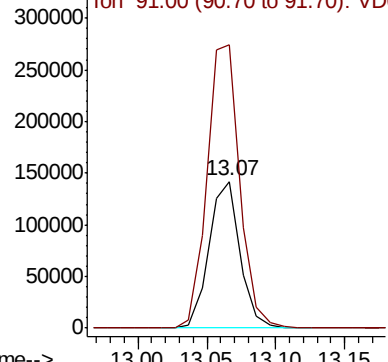
#69
o-Xylene
Concen: 19.152 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

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

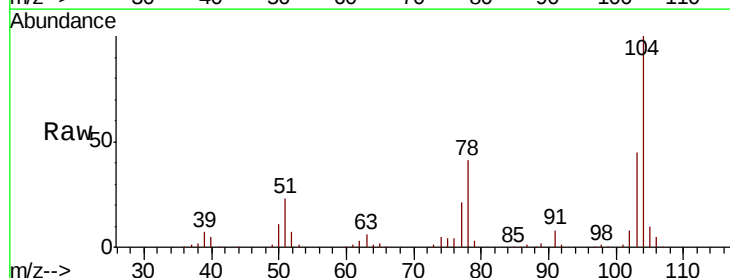


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

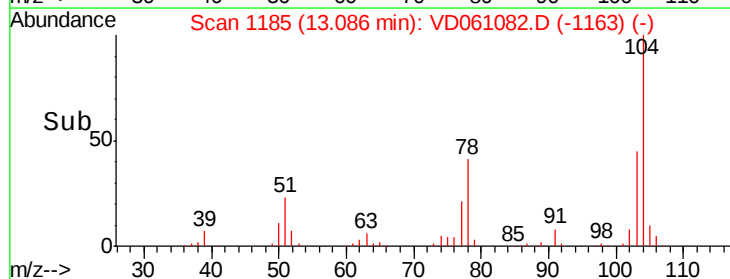
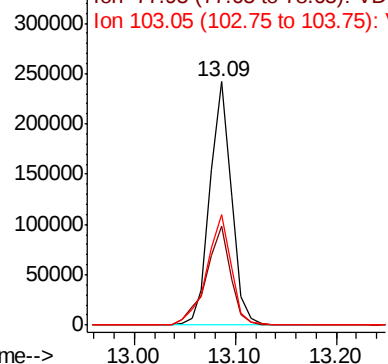


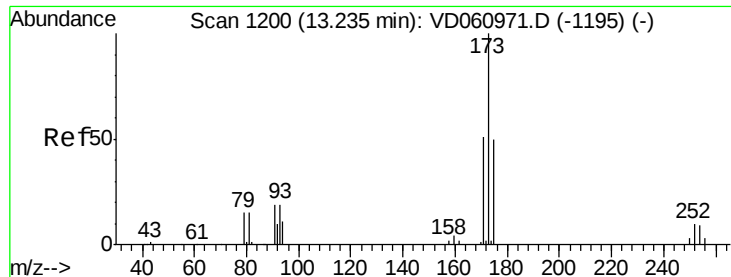
#70
Styrene
Concen: 18.788 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

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

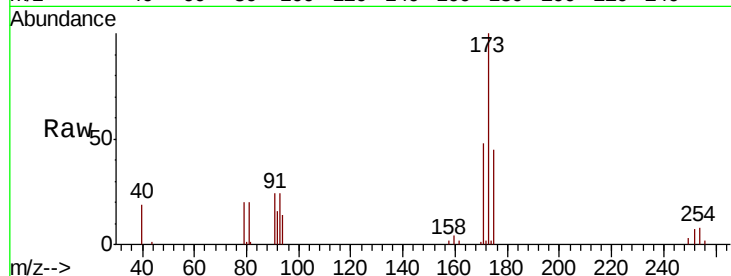
Tgt Ion:173 Resp: 93404

Ion Ratio Lower Upper

173 100

175 45.3 24.9 74.8

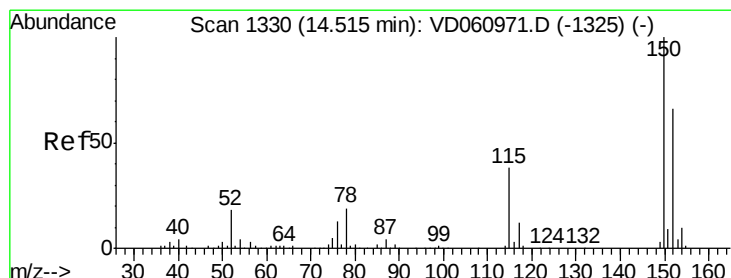
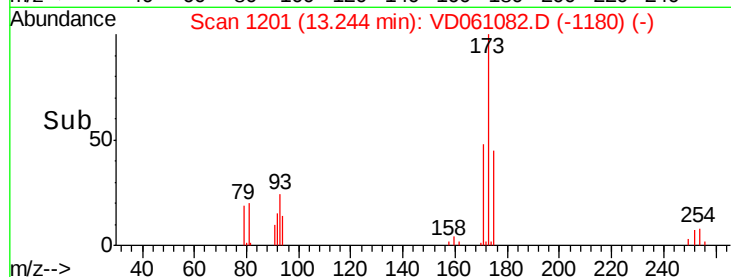
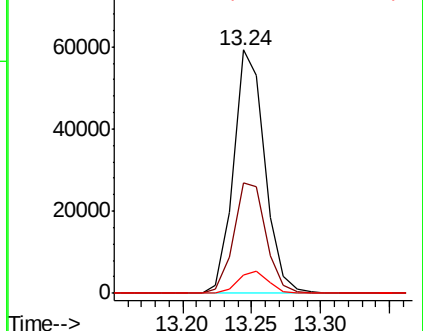
254 7.5 7.3 10.9



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

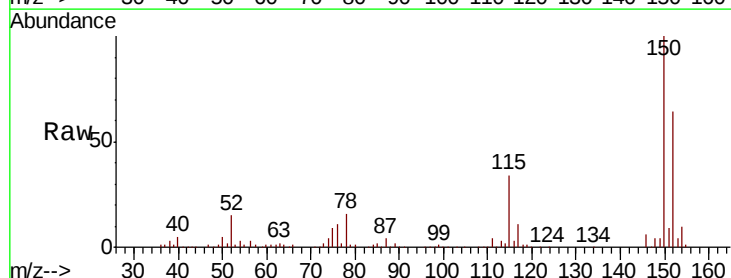
Tgt Ion:152 Resp: 447739

Ion Ratio Lower Upper

152 100

115 52.5 28.6 85.9

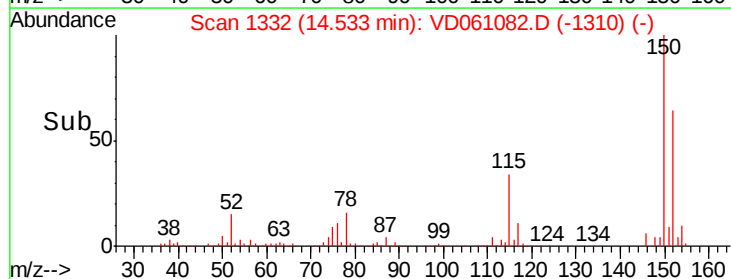
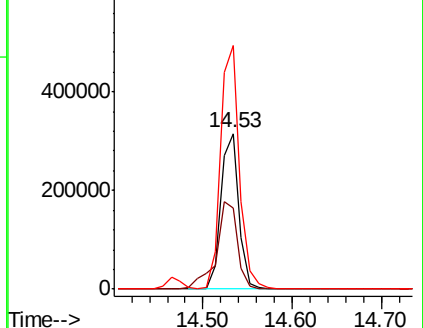
150 156.4 0.0 310.6

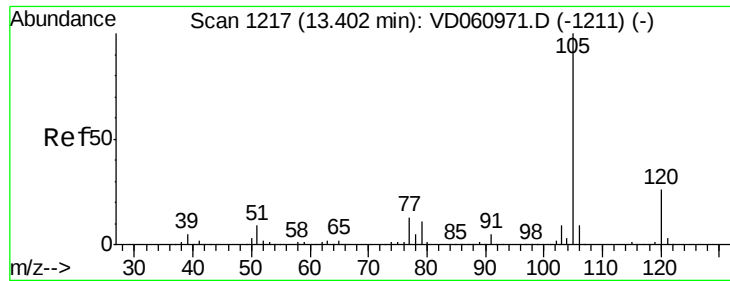


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

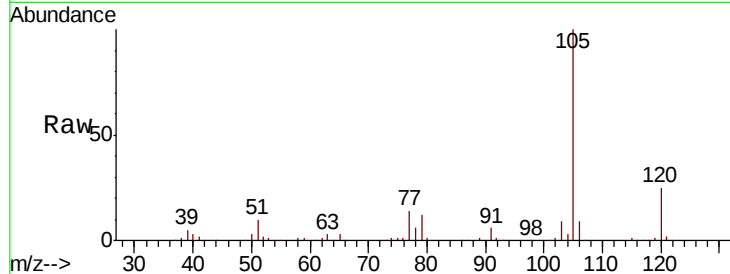
VD0315SBSD01

Tgt Ion:105 Resp: 652110

Ion Ratio Lower Upper

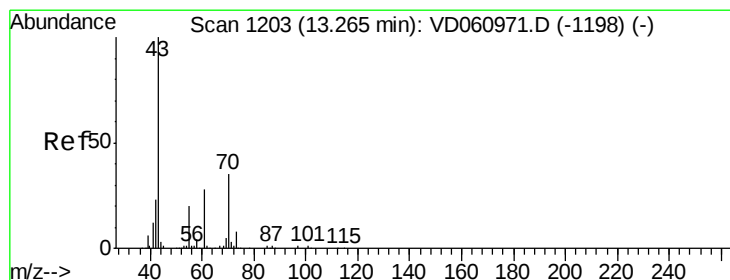
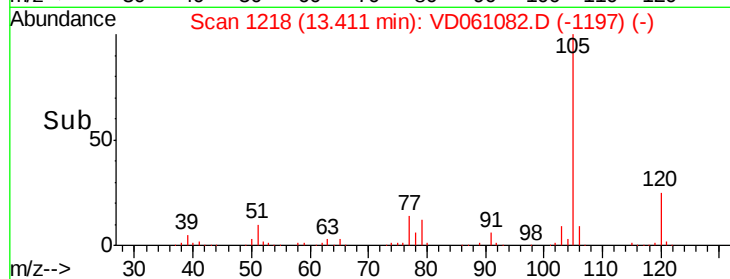
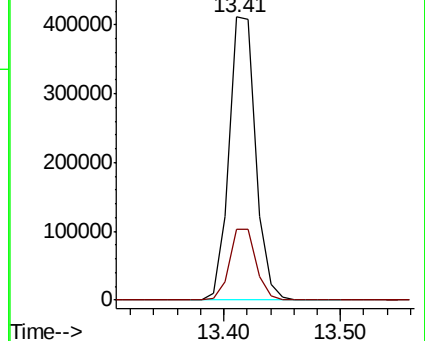
105 100

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

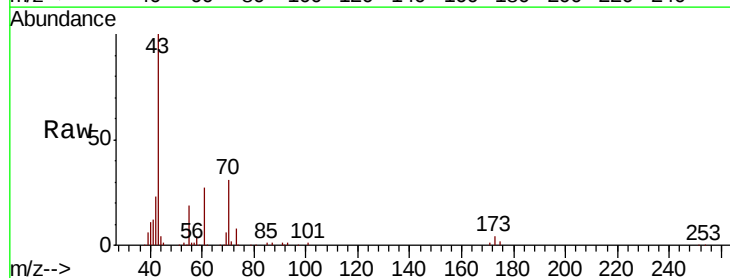
Ion Ratio Lower Upper

43 100

70 30.7 27.7 41.5

55 19.4 16.2 24.2

61 27.0 22.3 33.5

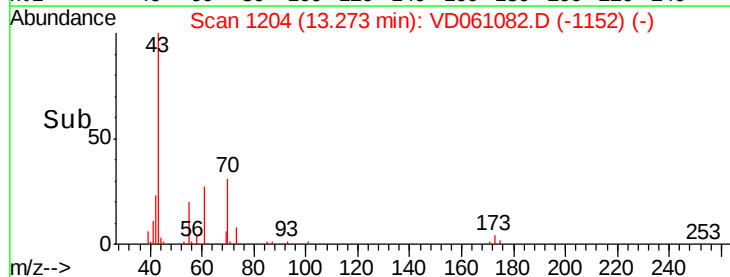
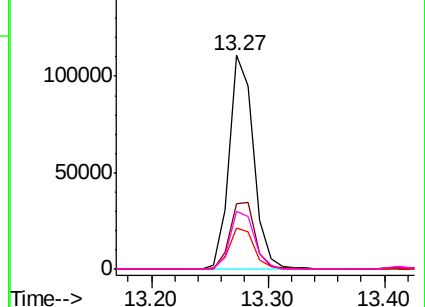


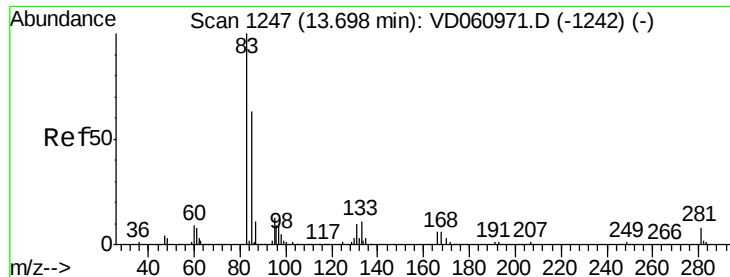
Abundance Ion 42.95 (42.65 to 43.65): V

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

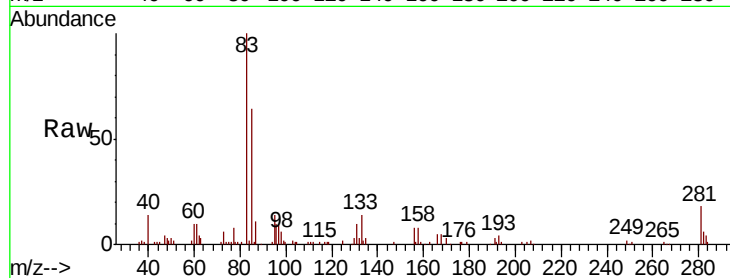
Tgt Ion: 83 Resp: 116789

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

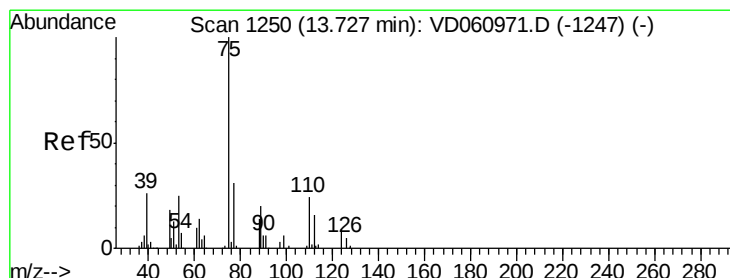
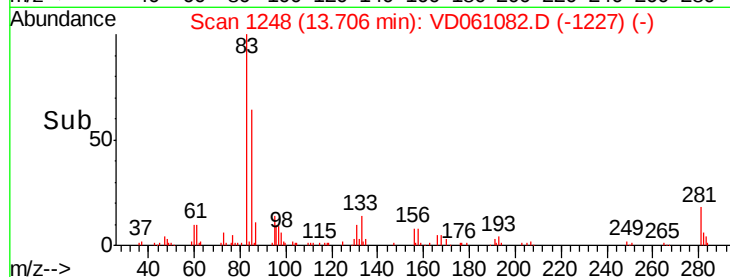
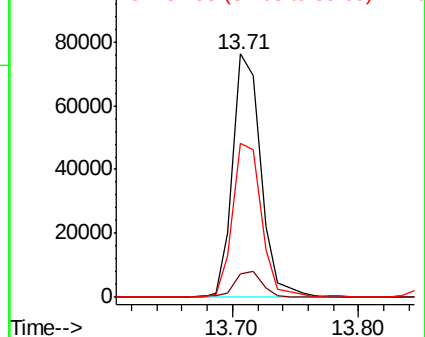
85 63.5 31.5 94.5



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

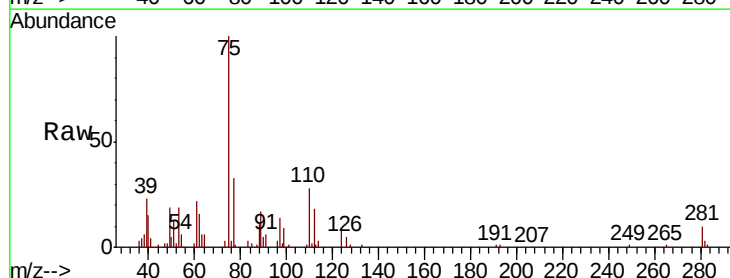
Acq: 15 Mar 2019 12:58

Tgt Ion: 75 Resp: 122503

Ion Ratio Lower Upper

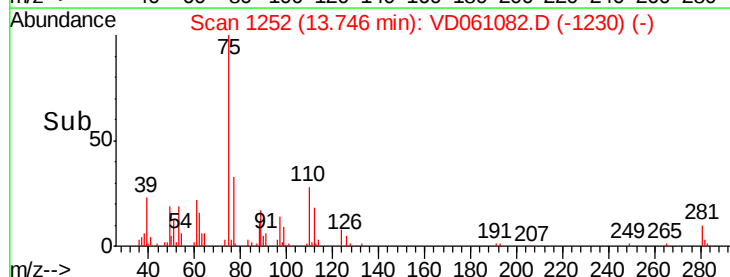
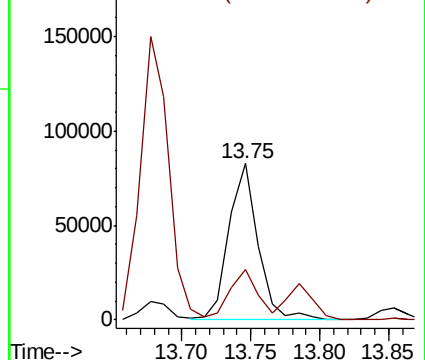
75 100

77 32.6 16.6 49.7



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

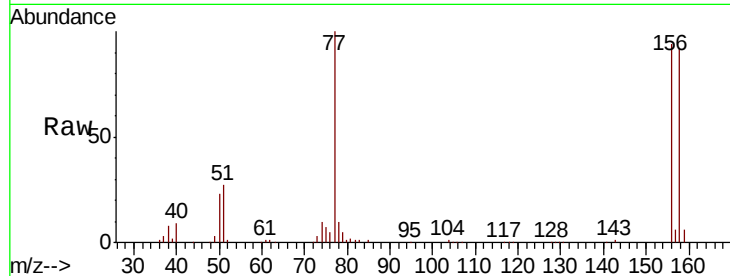
Tgt Ion:156 Resp: 166982

Ion Ratio Lower Upper

156 100

77 106.6 55.5 166.7

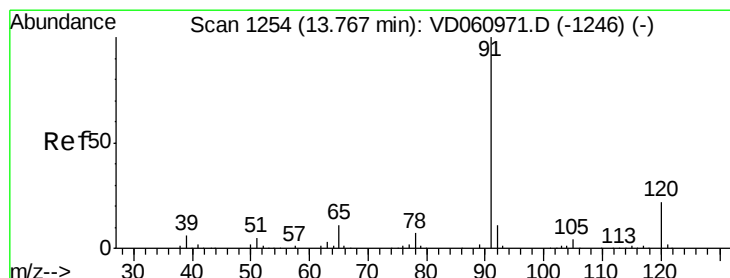
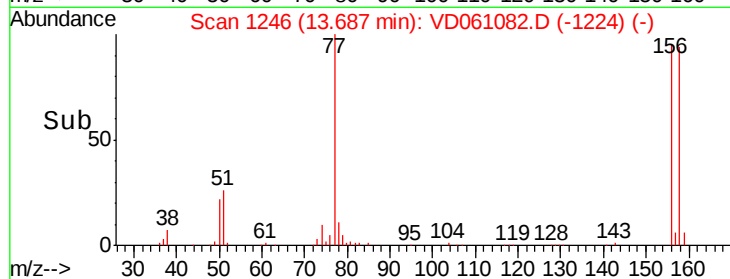
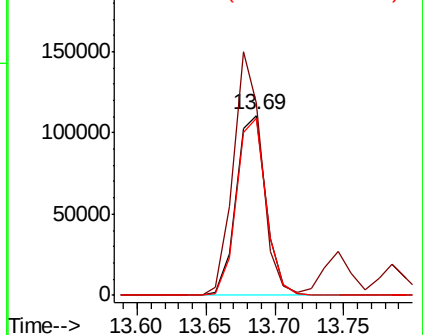
158 98.5 49.0 147.0



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



#78

n-propylbenzene

Concen: 19.784 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061082.D

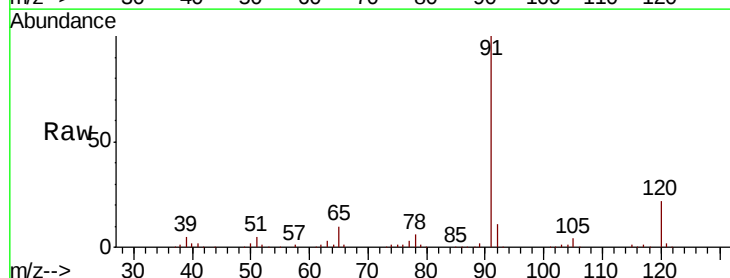
Acq: 15 Mar 2019 12:58

Tgt Ion: 91 Resp: 747335

Ion Ratio Lower Upper

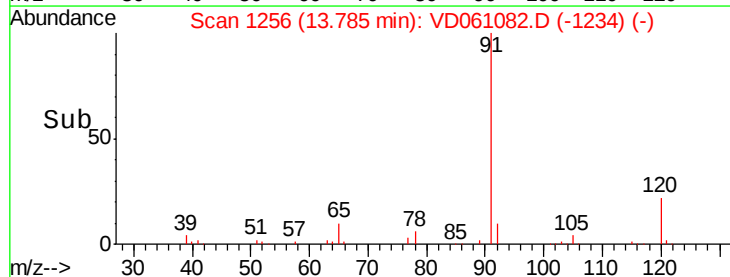
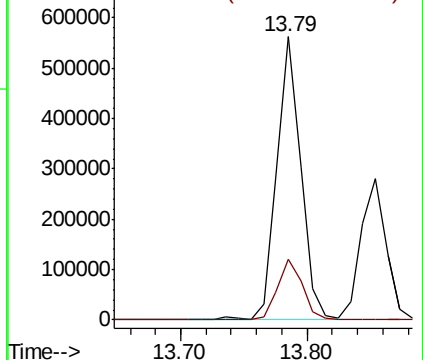
91 100

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

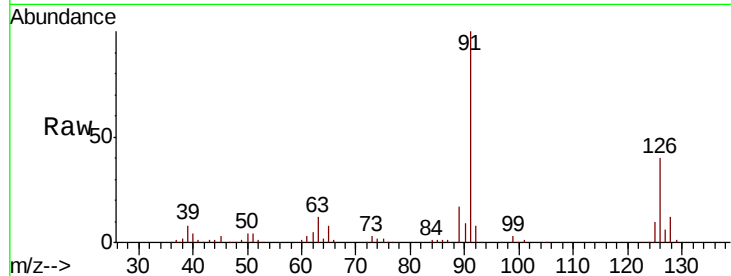




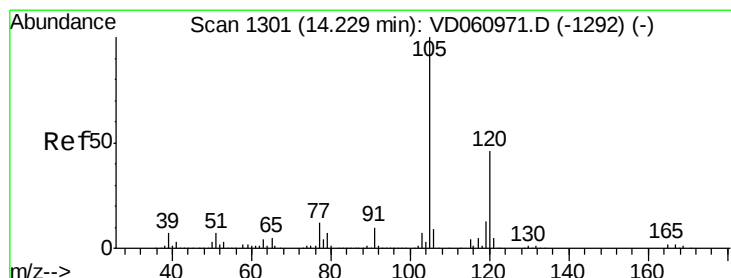
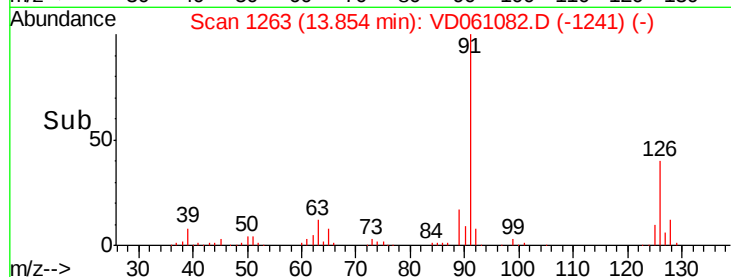
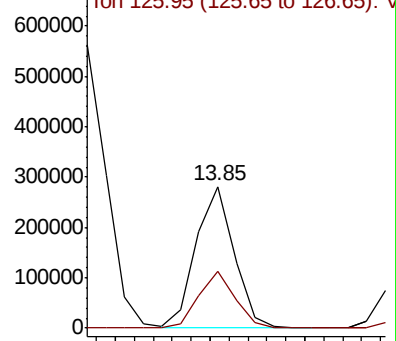
#79
2-Chlorotoluene
Concen: 18.549 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

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

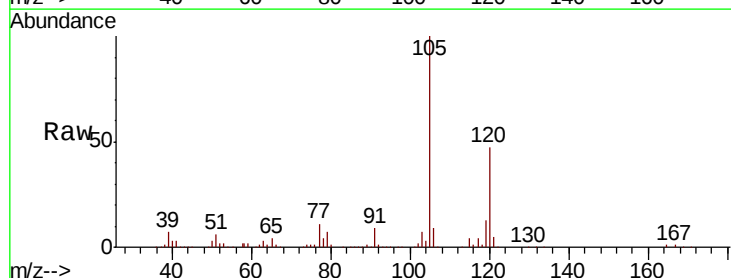


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

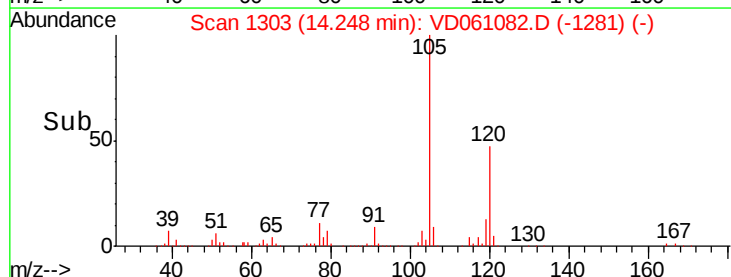
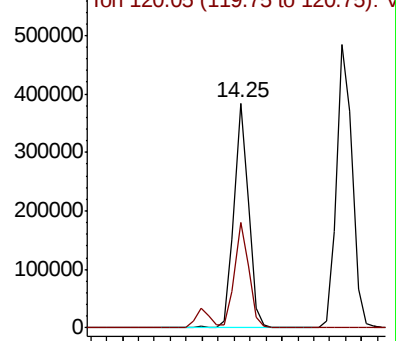


#80
1,3,5-Trimethylbenzene
Concen: 19.611 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

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): V
Ion 120.05 (119.75 to 120.75): V





#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 :

VD0315SBS01

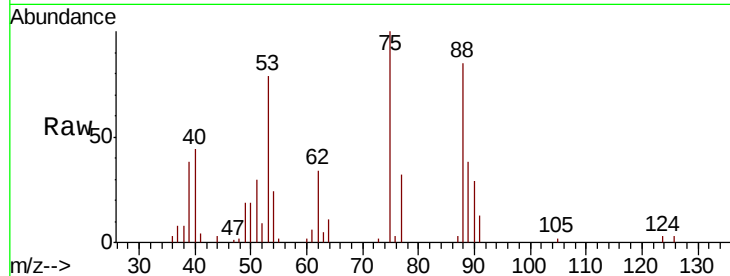
Tgt Ion: 75 Resp: 35748

Ion Ratio Lower Upper

75 100

53 78.5 64.4 96.6

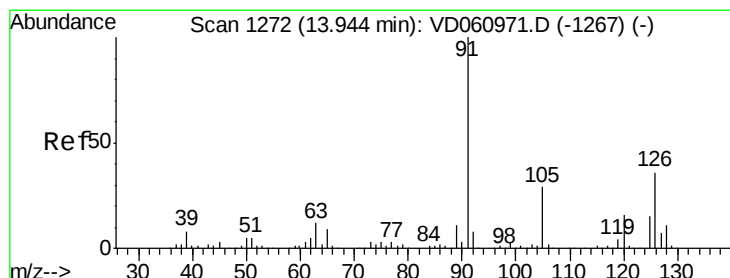
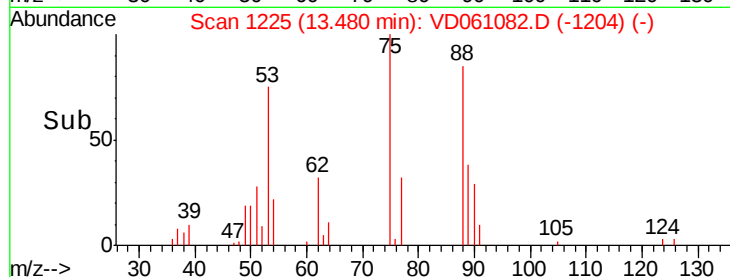
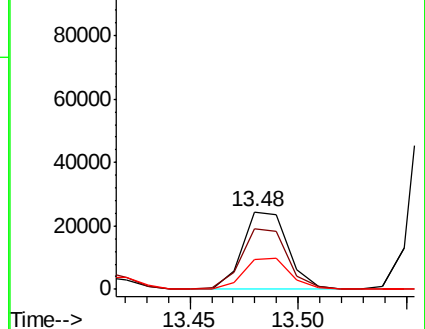
89 38.2 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.399 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061082.D

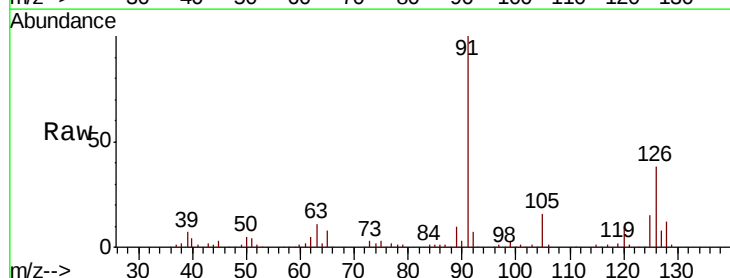
Acq: 15 Mar 2019 12:58

Tgt Ion: 91 Resp: 476933

Ion Ratio Lower Upper

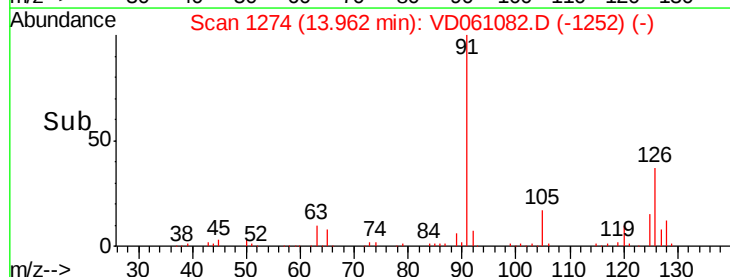
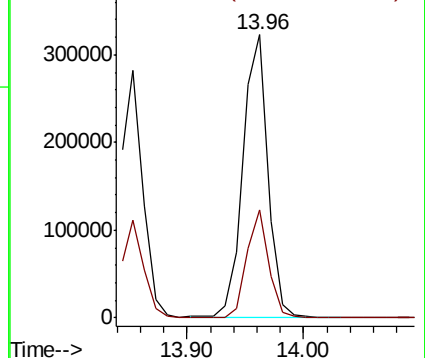
91 100

126 38.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

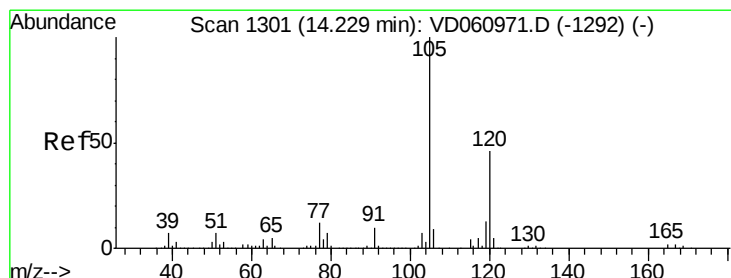
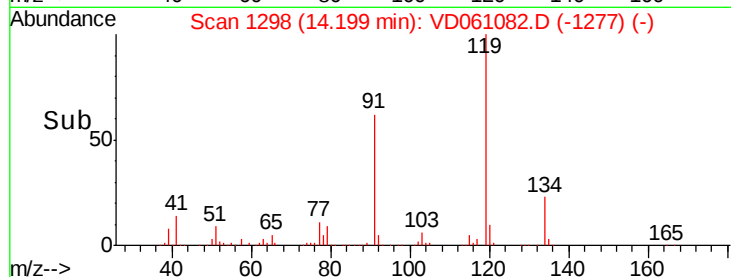
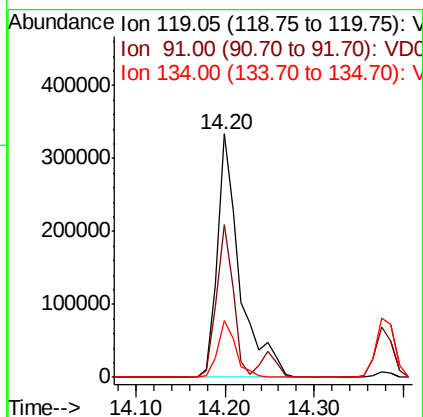
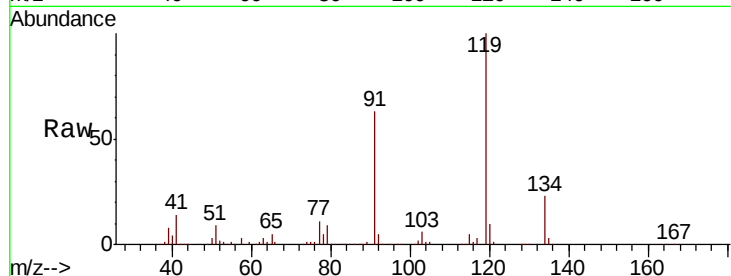




#83
 tert-Butylbenzene
 Concen: 21.982 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

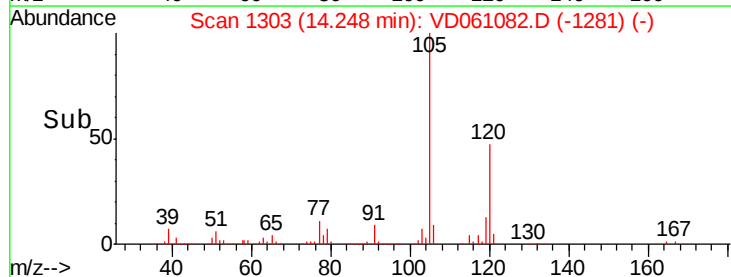
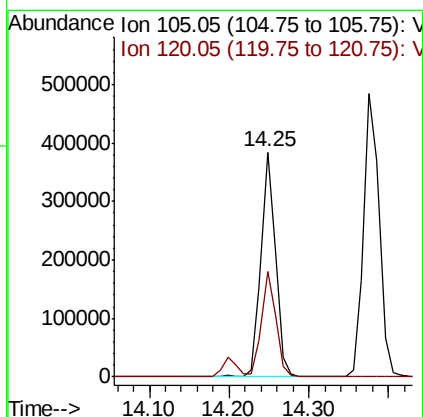
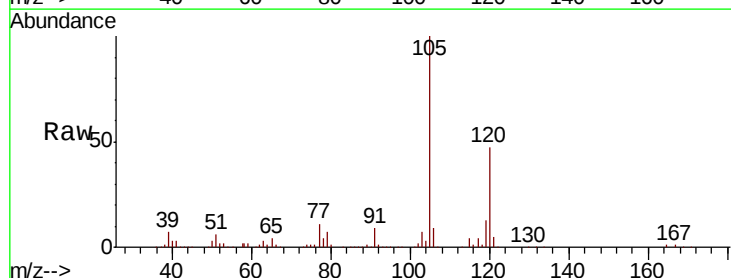
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

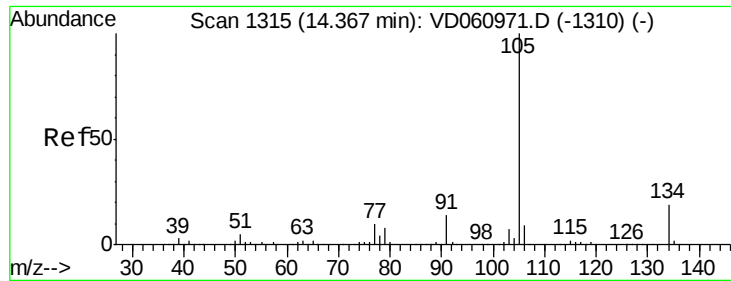
Tgt Ion:119 Resp: 589294
 Ion Ratio Lower Upper
 119 100
 91 63.0 30.1 90.3
 134 23.4 11.6 34.7



#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 :

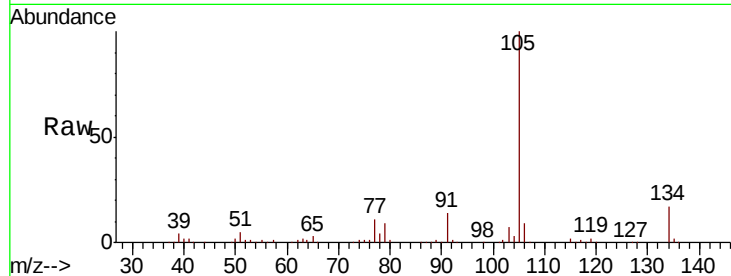
VD0315SBS01

Tgt Ion:105 Resp: 654148

Ion Ratio Lower Upper

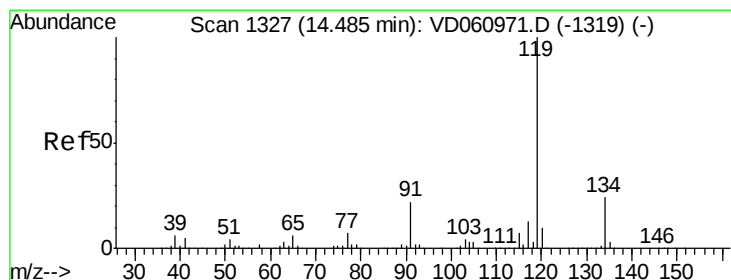
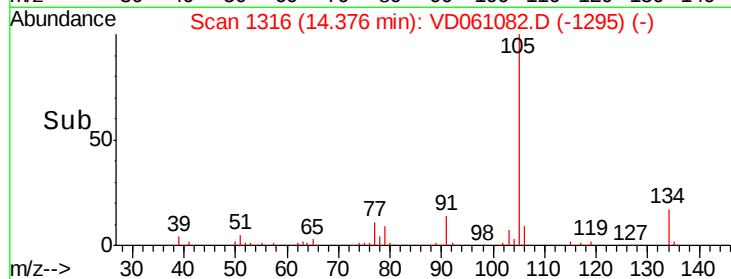
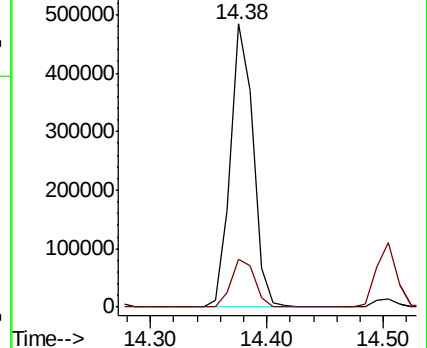
105 100

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

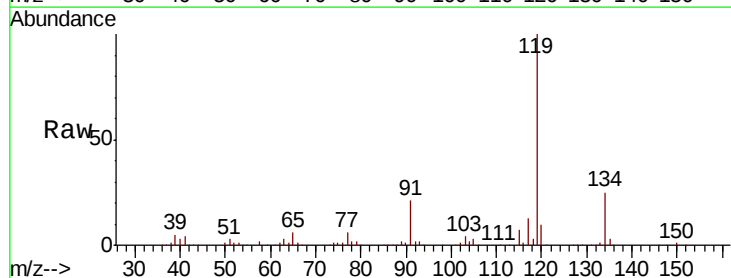
Tgt Ion:119 Resp: 555094

Ion Ratio Lower Upper

119 100

134 24.6 12.0 36.1

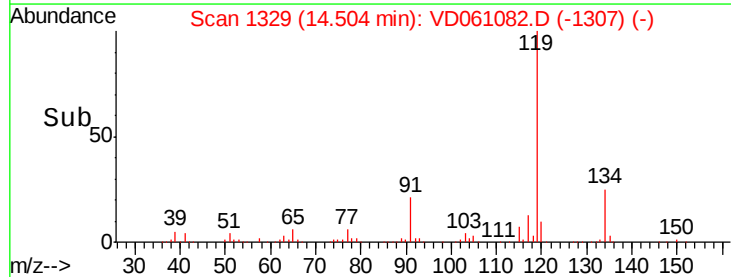
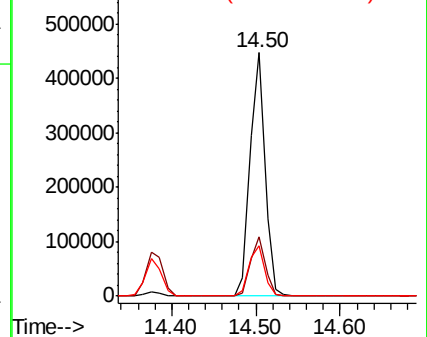
91 20.8 11.2 33.6



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

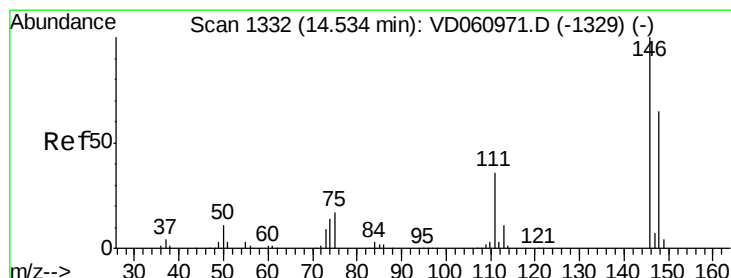
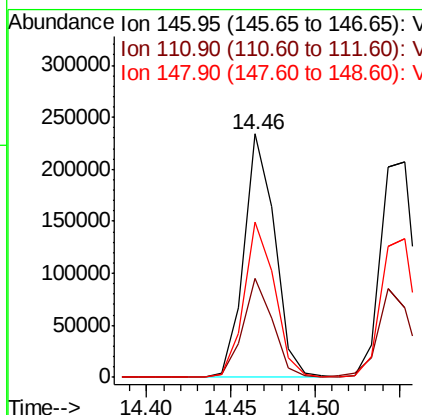
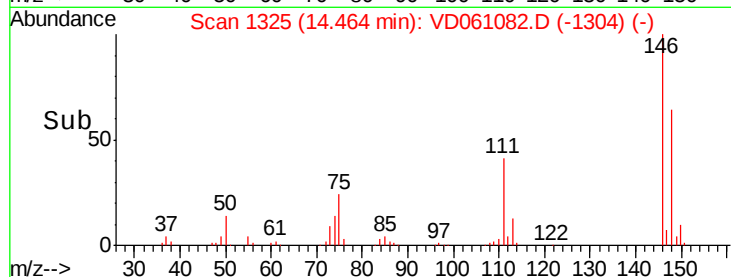
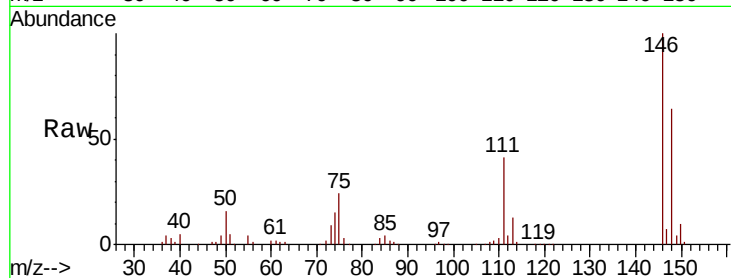




#87
 1,3-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

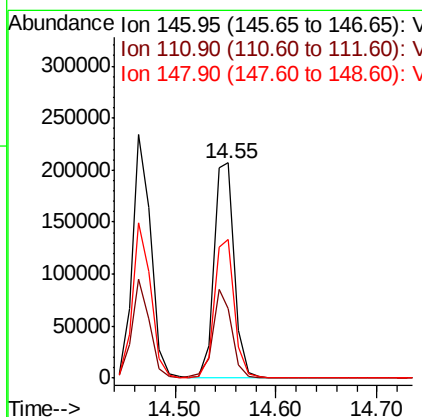
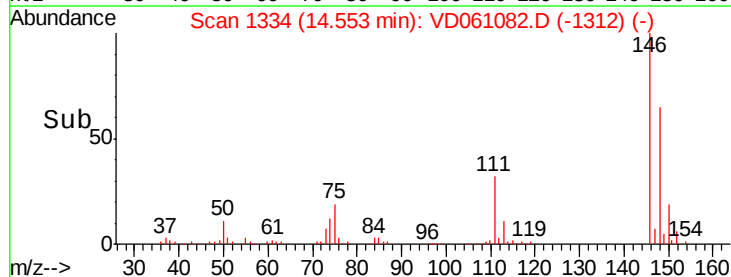
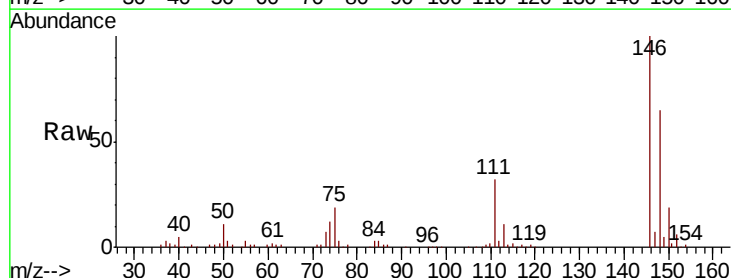
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

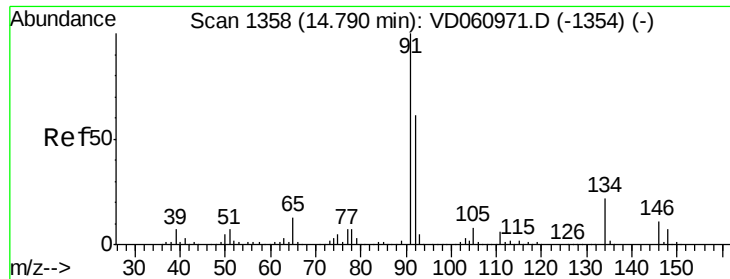
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.4	55.4
148	63.8	32.5	97.4



#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	Ratio	Lower	Upper
146	100		
111	32.4	18.4	55.2
148	64.6	32.5	97.5

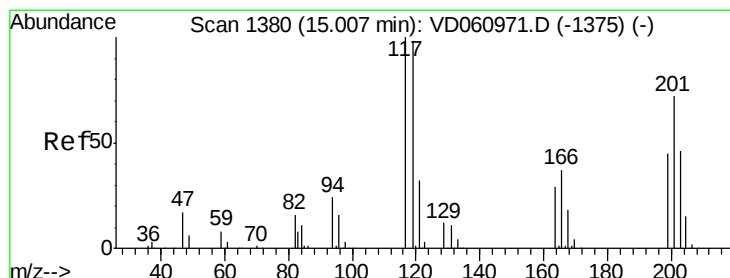
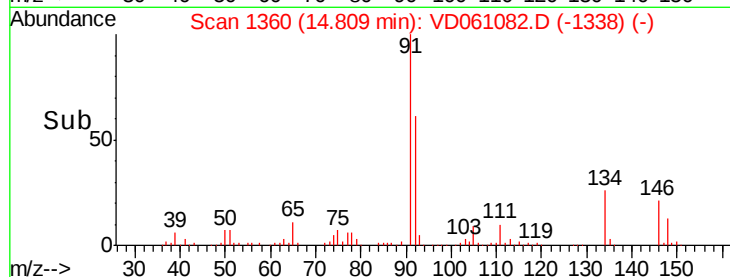
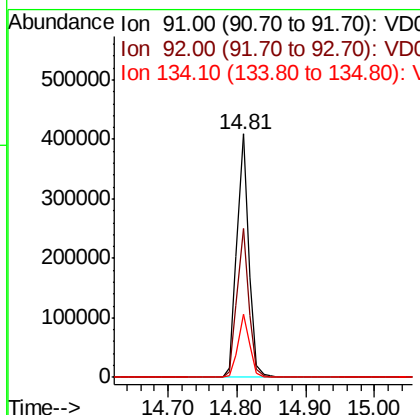
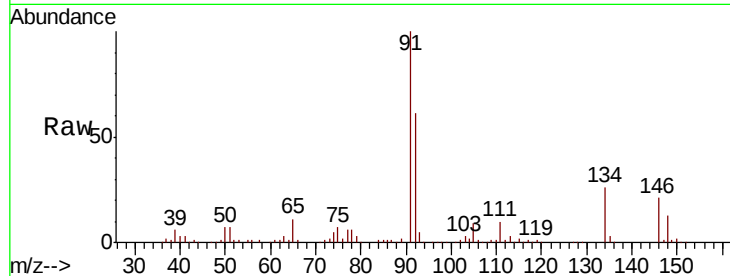




#89
n-Butylbenzene
Concen: 19.158 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

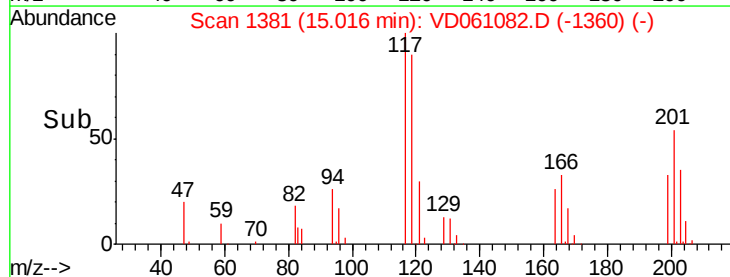
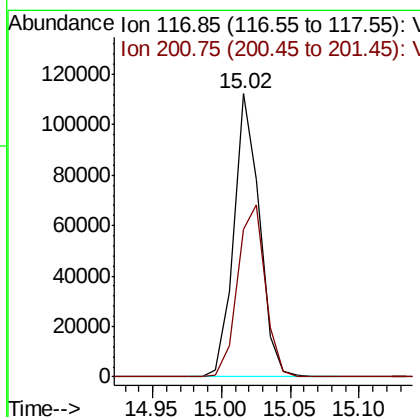
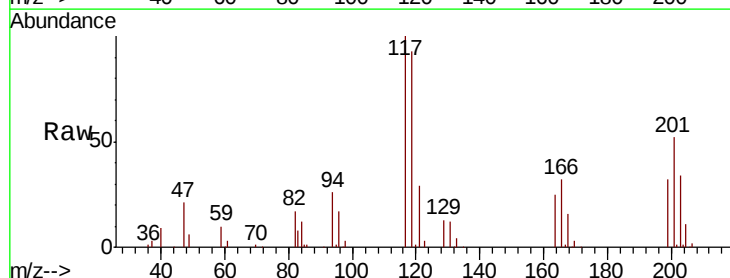
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

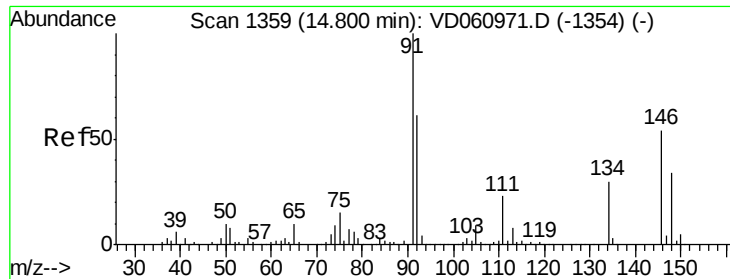
Tgt Ion: 91 Resp: 492166
Ion Ratio Lower Upper
91 100
92 61.1 30.6 91.8
134 25.8 11.0 33.0



#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

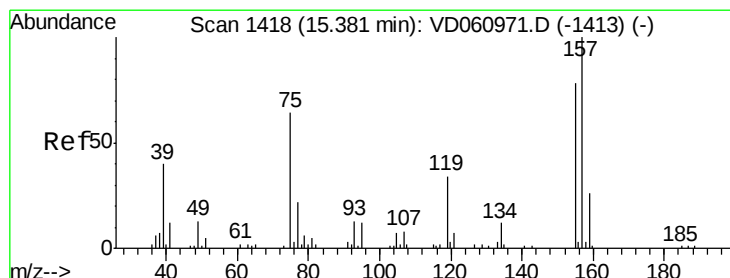
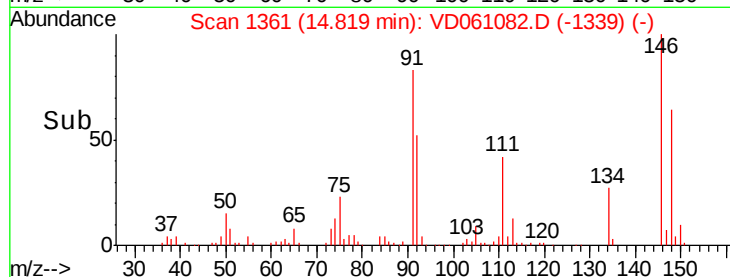
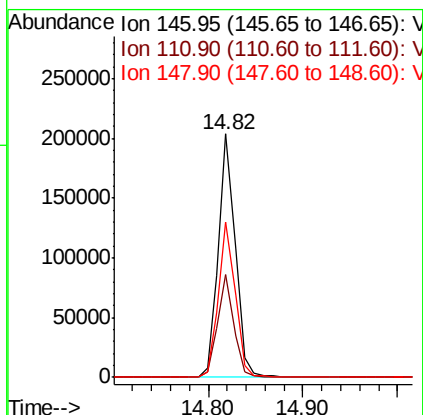
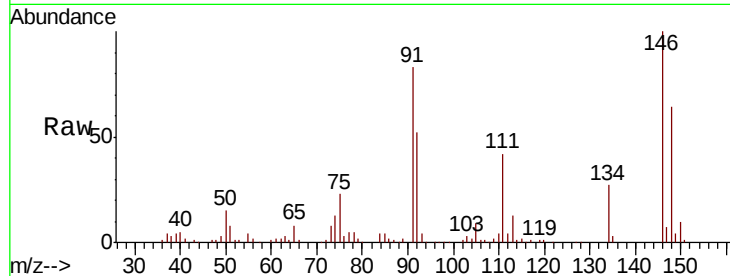




#91
 1,2-Dichlorobenzene
 Concen: 20.658 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

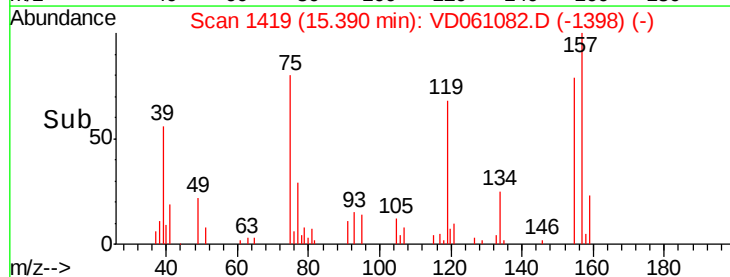
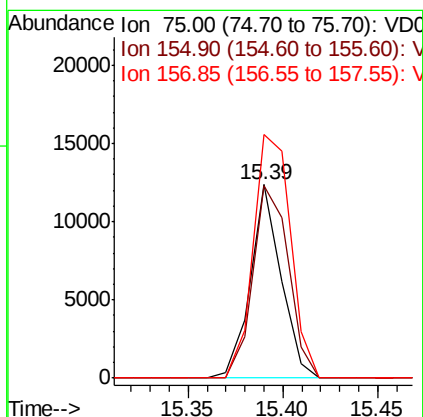
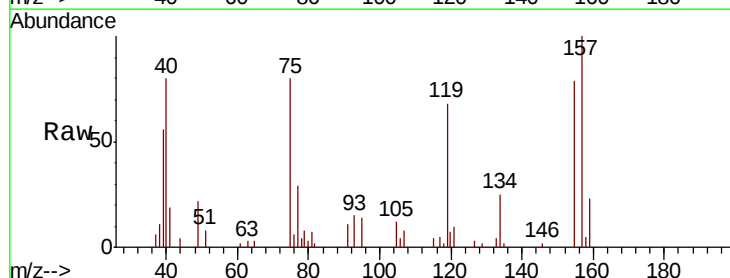
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBSD01

Tgt 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

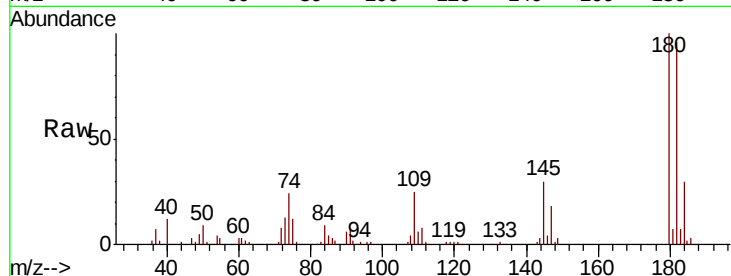




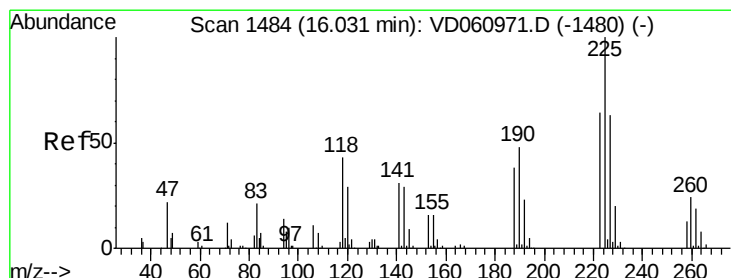
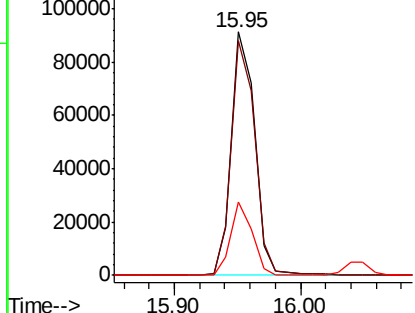
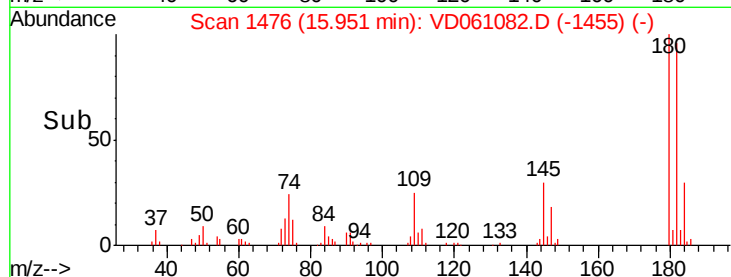
#93
 1,2,4-Trichlorobenzene
 Concen: 20.406 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

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

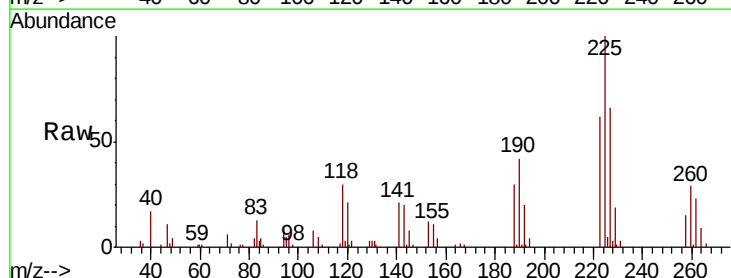


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

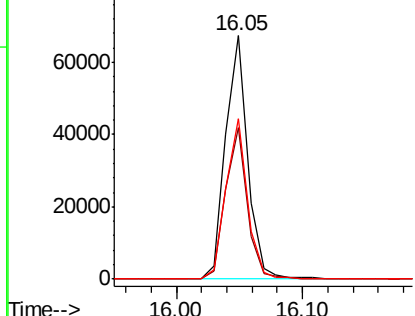
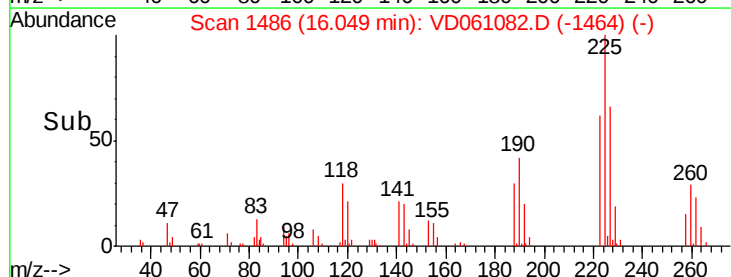


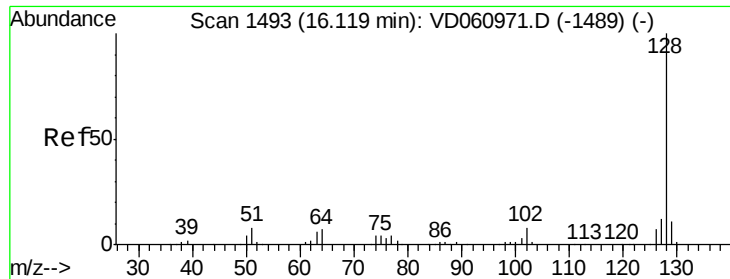
#94
 Hexachlorobutadiene
 Concen: 18.855 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061082.D
 Acq: 15 Mar 2019 12:58

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

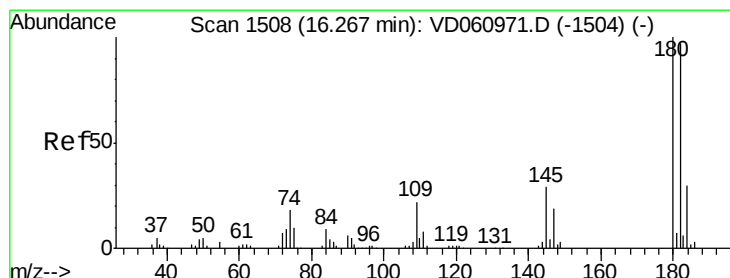
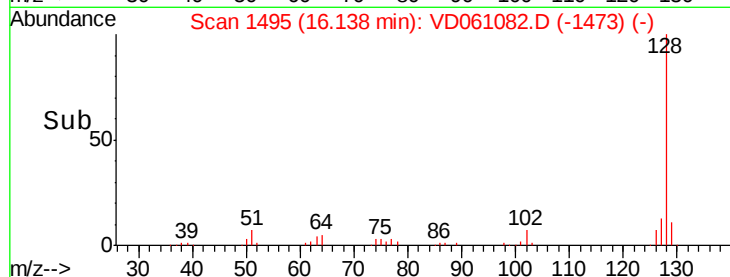
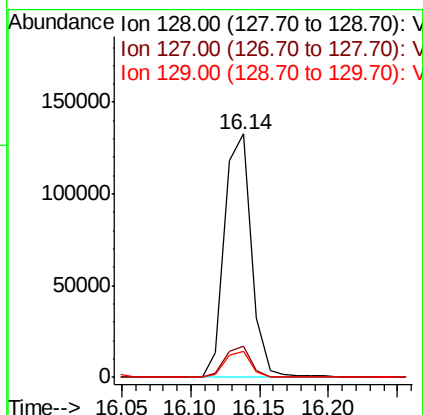
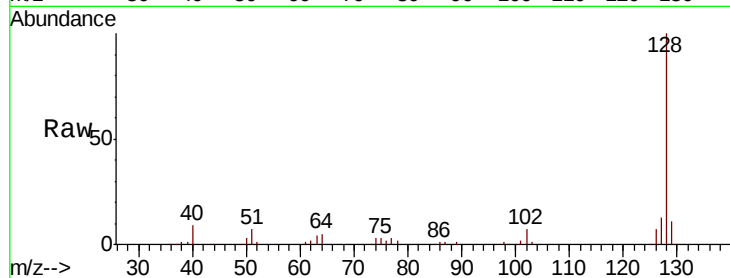




#95
Naphthalene
Concen: 20.808 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061082.D
Acq: 15 Mar 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBSD01

Tgt 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

