

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060012.D
 Acq On : 17 Sep 2018 10:31
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/18/2018 1:13:31 PM

Quant Time: Sep 18 12:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1698488	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2347663	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1932963	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	988682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	693503	52.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	6.32	113	962807	52.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	9.46	98	2728428	53.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.43	95	1045742	53.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	901117	50.26	ug/l	100
3) Chloromethane	1.75	50	799441	50.48	ug/l	98
4) Vinyl Chloride	1.85	62	646038	50.74	ug/l	98
5) Bromomethane	2.14	94	97069	64.41	ug/l	88
6) Chloroethane	2.25	64	184944	64.98	ug/l	98
7) Trichlorofluoromethane	2.50	101	784354	55.96	ug/l	96
8) Diethyl Ether	2.82	74	159545	53.55	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.08	101	481791	54.51	ug/l	99
10) Methyl Iodide	3.24	142	519840	55.53	ug/l	96
11) Tert butyl alcohol	3.96	59	241736	226.18	ug/l	100
12) 1,1-Dichloroethene	3.06	96	383252	54.84	ug/l	99
13) Acrolein	2.97	56	199948	302.10	ug/l	95
14) Allyl chloride	3.53	41	790066	53.61	ug/l	99
15) Acrylonitrile	4.08	53	994811	246.59	ug/l	99
16) Acetone	3.15	43	701110	274.16	ug/l	96
17) Carbon Disulfide	3.31	76	1323003	54.94	ug/l	100
18) Methyl Acetate	3.54	43	256458	49.31	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	1647822	51.03	ug/l	100
20) Methylene Chloride	3.71	84	963725	53.46	ug/l	100
21) trans-1,2-Dichloroethene	4.09	96	946116	51.59	ug/l	96
22) Diisopropyl ether	4.84	45	3461471	51.49	ug/l	93
23) Vinyl Acetate	4.79	43	9556924	250.93	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1586776	52.60	ug/l	100
25) 2-Butanone	5.62	43	1603178	232.32	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1268356	54.08	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	997464	52.00	ug/l	99
28) Bromochloromethane	5.92	49	770220	53.11	ug/l	95
29) Tetrahydrofuran	5.95	42	870994	235.35	ug/l	98
30) Chloroform	6.09	83	1596240	52.17	ug/l	99
31) Cyclohexane	6.36	56	1434049	48.75	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1337724	52.72	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1205195	51.68	ug/l	97
37) Ethyl Acetate	5.69	43	783407	48.85	ug/l	99
38) Carbon Tetrachloride	6.50	117	1112322	51.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1379177	52.28	ug/l	97
40) Benzene	6.79	78	3130028	52.66	ug/l	100
41) Methacrylonitrile	5.92	41	403406m	48.03	ug/l	
42) 1,2-Dichloroethane	6.89	62	894784	50.14	ug/l	99
43) Isopropyl Acetate	8.35	43	1028755	47.91	ug/l #	99
44) Trichloroethene	7.74	130	949078	51.68	ug/l	97
45) 1,2-Dichloropropane	8.10	63	826459	52.00	ug/l	100
46) Dibromomethane	8.21	93	523535	50.48	ug/l	97
47) Bromodichloromethane	8.48	83	1156828	51.74	ug/l	99
48) Methyl methacrylate	8.25	41	590937	49.42	ug/l	96
49) 1,4-Dioxane	8.23	88	110772	932.61	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	3207543	223.56	ug/l	99
52) Toluene	9.55	92	1995902	52.39	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1070779	51.35	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1279511	51.36	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	636774	48.14	ug/l	97
56) Ethyl methacrylate	10.03	69	746923	50.91	ug/l	99
57) 1,3-Dichloropropane	10.38	76	989635	50.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1866870	263.49	ug/l	99
59) 2-Hexanone	10.49	43	2517066	249.17	ug/l	98
60) Dibromochloromethane	10.64	129	832850	51.73	ug/l	98
61) 1,2-Dibromoethane	10.76	107	690274	50.54	ug/l	95
64) Tetrachloroethene	10.26	164	877482	51.45	ug/l	99
65) Chlorobenzene	11.32	112	2149295	51.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	746283	53.24	ug/l	99
67) Ethyl Benzene	11.43	91	3517905	52.60	ug/l	99
68) m/p-Xylenes	11.56	106	2625199	106.29	ug/l	96
69) o-Xylene	11.94	106	1304931	53.32	ug/l	96
70) Styrene	11.96	104	2159616	52.48	ug/l	99
71) Bromoform	12.12	173	625421	51.93	ug/l	98
73) Isopropylbenzene	12.28	105	3452057	53.24	ug/l	99
74) N-amyl acetate	12.14	43	1328647	51.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	747705	50.83	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	768785	50.91	ug/l	99
77) Bromobenzene	12.54	156	1006782	53.90	ug/l	92
78) n-propylbenzene	12.64	91	4200228	51.51	ug/l	96
79) 2-Chlorotoluene	12.71	91	2427775	52.75	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2731307	54.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	233867	51.31	ug/l	97
82) 4-Chlorotoluene	12.81	91	2712527	53.61	ug/l	93
83) tert-Butylbenzene	13.05	119	3146759	54.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2793057	52.66	ug/l	98
85) sec-Butylbenzene	13.23	105	3528404	51.62	ug/l	97
86) p-Isopropyltoluene	13.35	119	2906342	52.58	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1727843	53.20	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	1715264	52.06	ug/l	98
89) n-Butylbenzene	13.65	91	2892045	57.37	ug/l	99
90) Hexachloroethane	13.86	117	765788	55.93	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1432083	55.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	105998	47.27	ug/l	58

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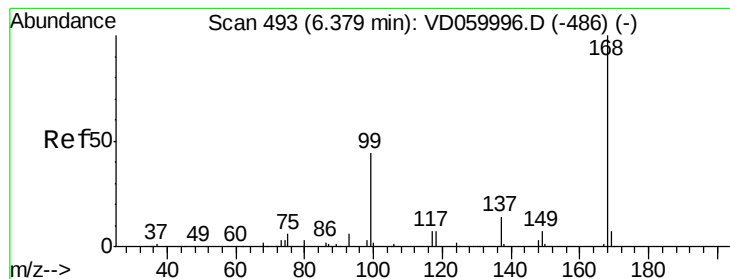
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1250202	54.01	ug/l	98
94) Hexachlorobutadiene	14.88	225	837316	54.69	ug/l	100
95) Naphthalene	14.97	128	1805572	50.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1059681	51.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1698488

Ion Ratio Lower Upper

168 100

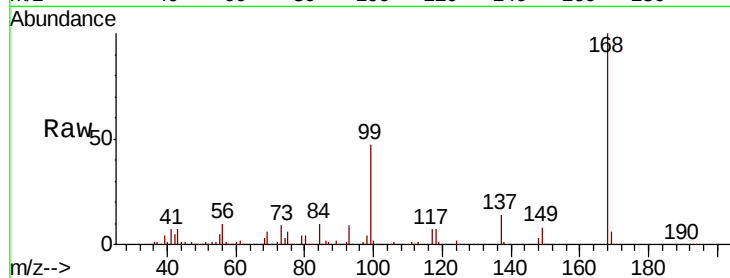
99 46.8 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

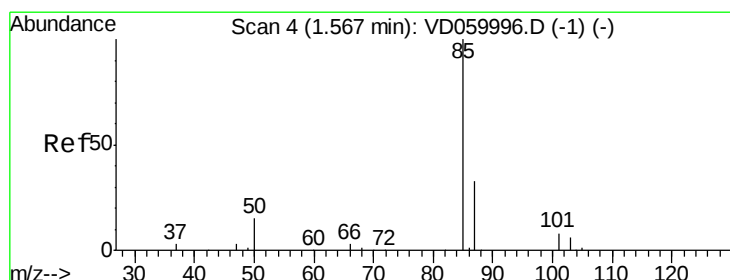
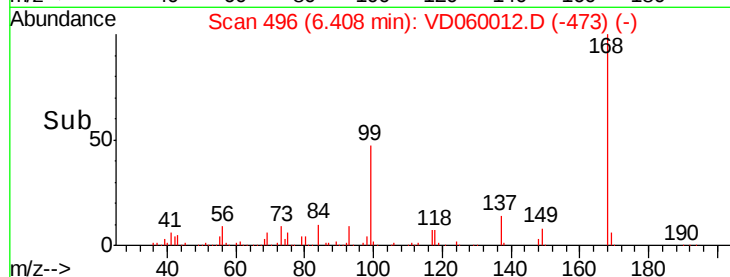
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 50.26 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060012.D

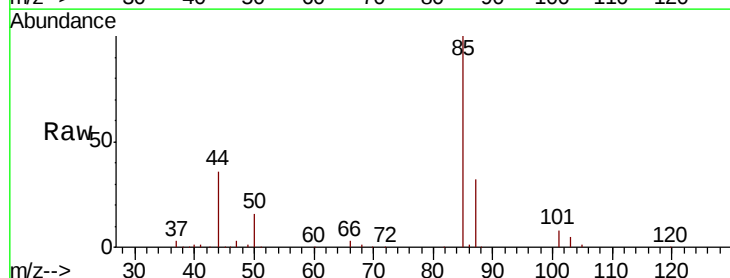
Acq: 17 Sep 2018 10:31

Tgt Ion: 85 Resp: 901117

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

400000

300000

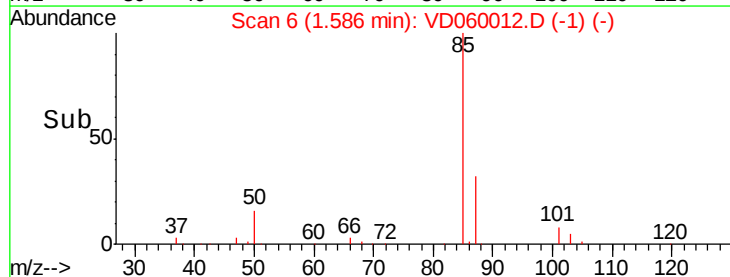
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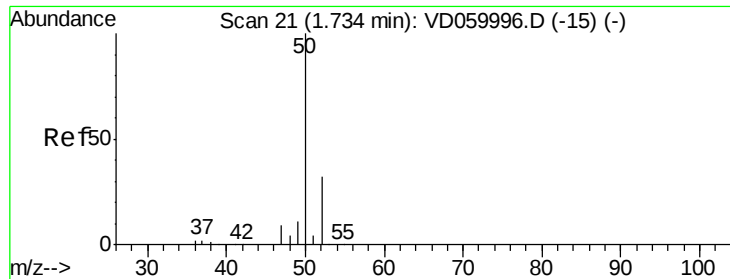
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0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 50.48 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 799441

Ion Ratio Lower Upper

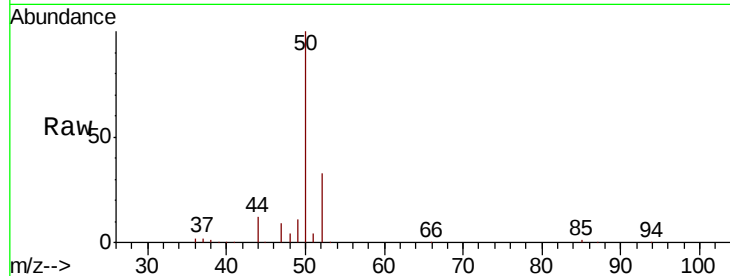
50 100

52 32.6 25.4 38.2

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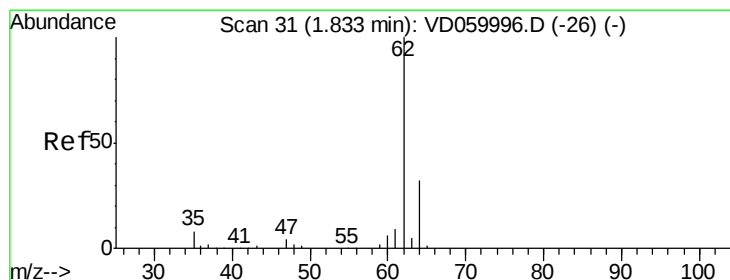
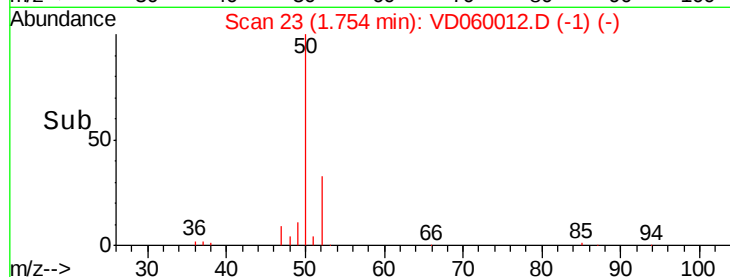
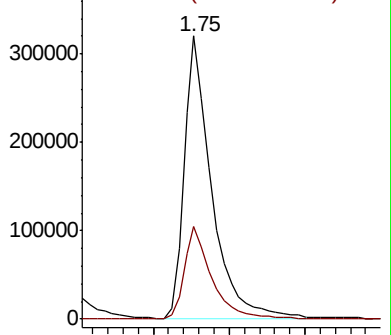
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.74 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060012.D

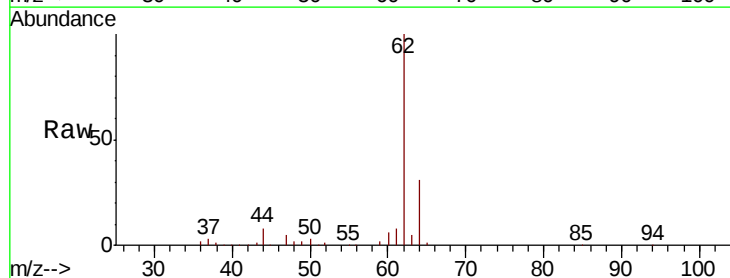
Acq: 17 Sep 2018 10:31

Tgt Ion: 62 Resp: 646038

Ion Ratio Lower Upper

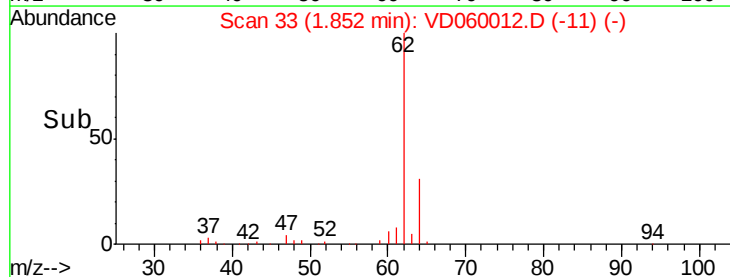
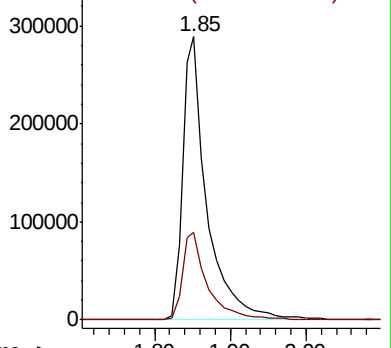
62 100

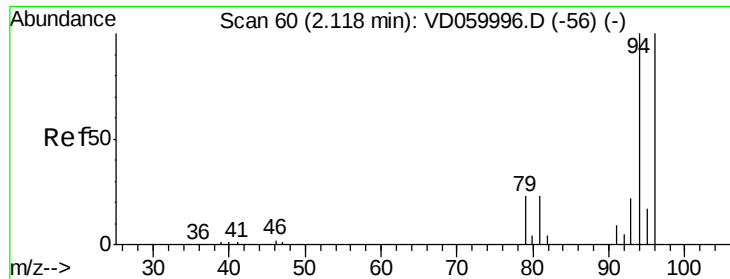
64 31.0 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.41 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 97069

Ion Ratio Lower Upper

94 100

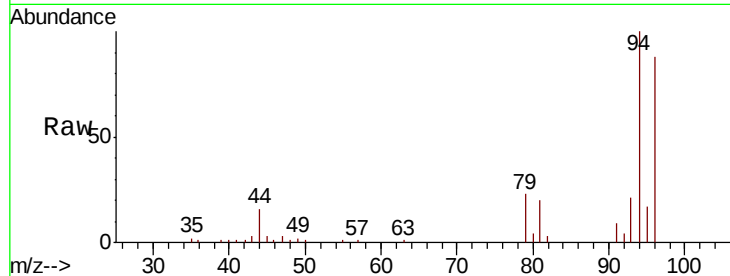
96 88.0 79.8 119.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

40000

30000

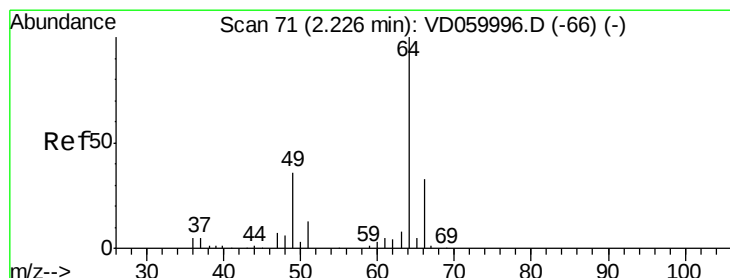
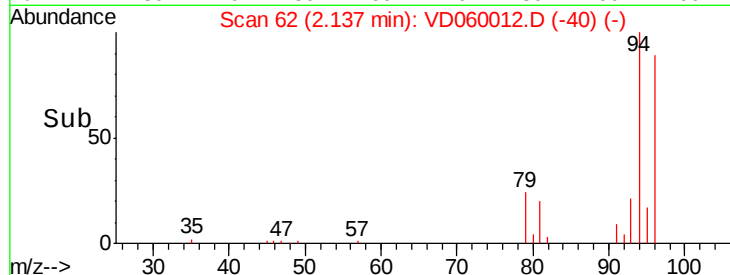
20000

10000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 64.98 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.02 min

Lab File: VD060012.D

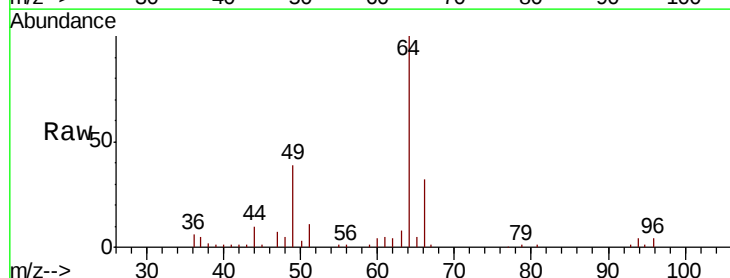
Acq: 17 Sep 2018 10:31

Tgt Ion: 64 Resp: 184944

Ion Ratio Lower Upper

64 100

66 31.7 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

80000

60000

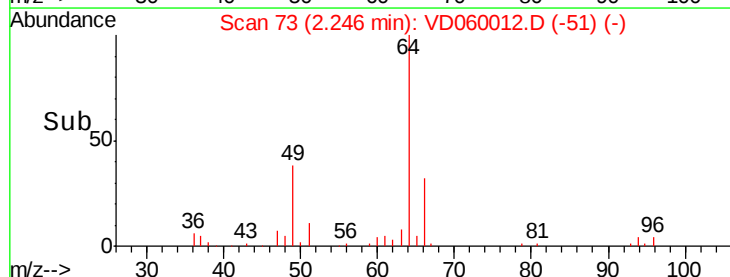
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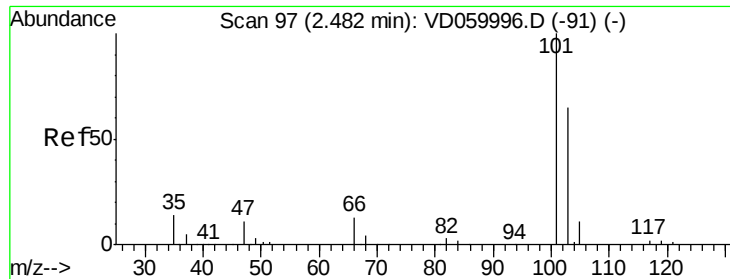
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Time-->

2.10 2.20 2.30 2.40





#7

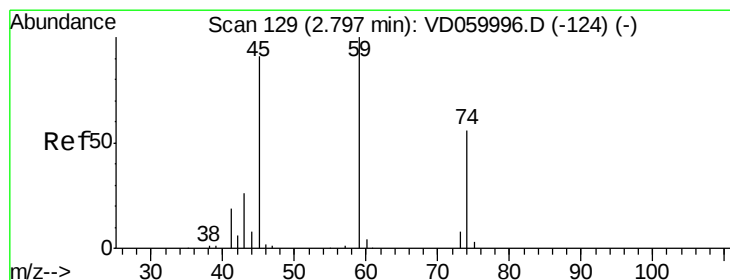
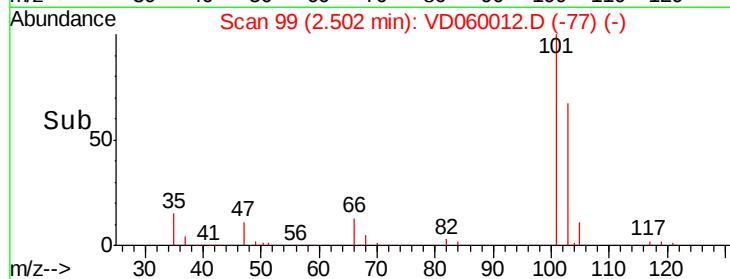
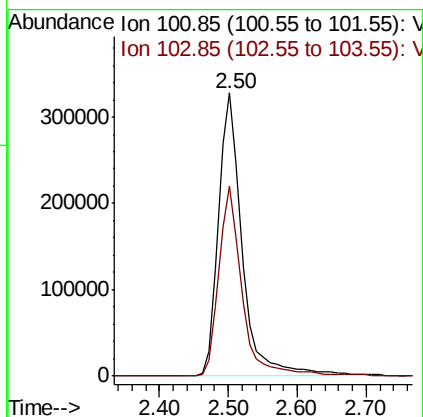
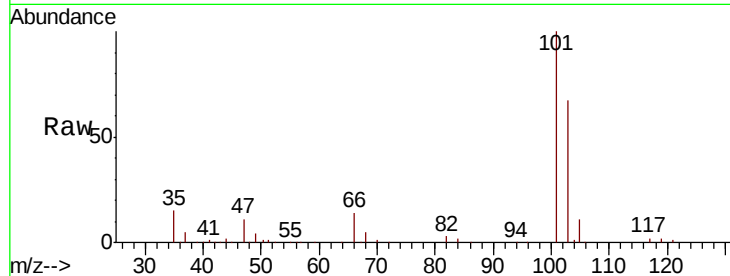
Trichlorofluoromethane
 Concen: 55.96 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

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 VSTDCCC050

Tot Ion:101 Resp: 784354
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.6 77.4

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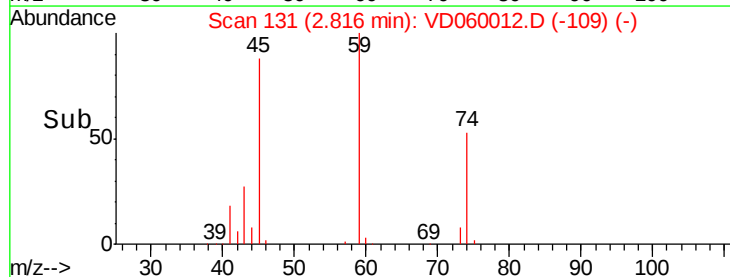
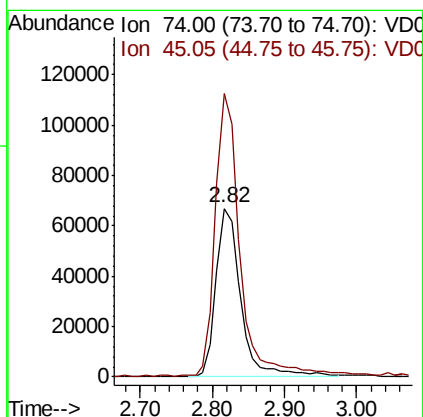
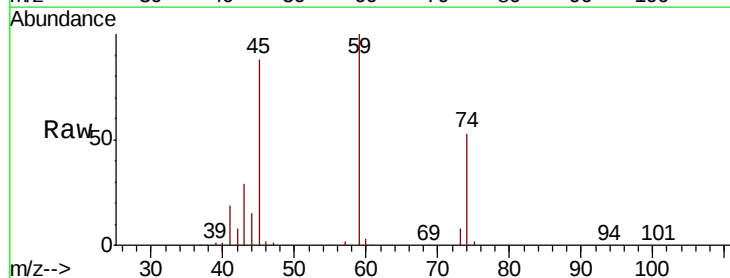
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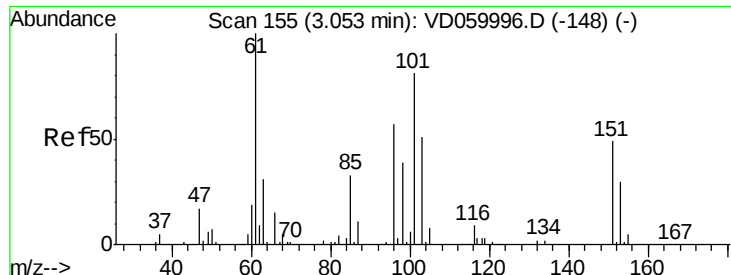


#8

Diethyl Ether
 Concen: 53.55 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 74 Resp: 159545
 Ion Ratio Lower Upper
 74 100
 45 167.8 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.51 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

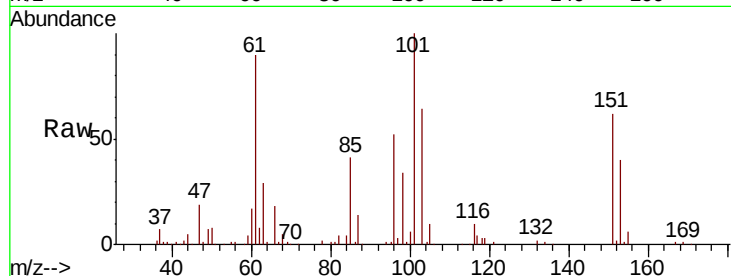
ClientSampleId :

VSTDCCC050

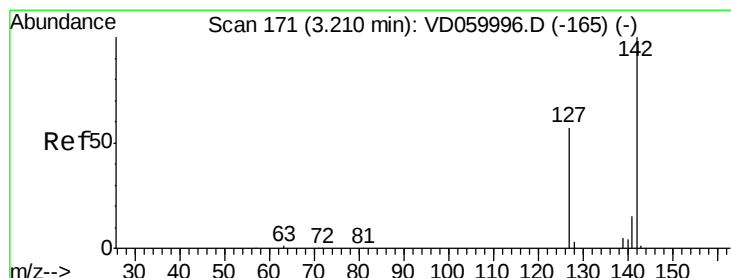
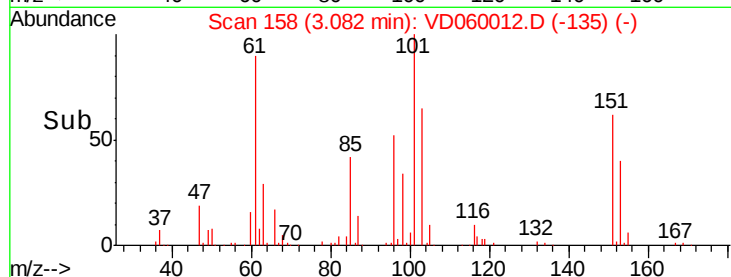
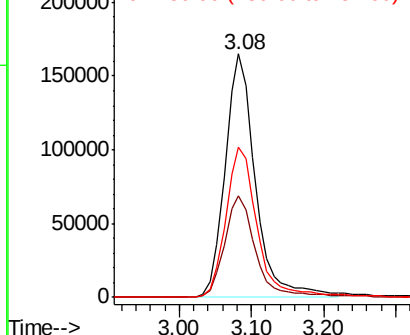
Tot Ion:	101	Resp:	481791
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.1	49.7
151	61.6	48.2	72.4

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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: 55.53 ug/l

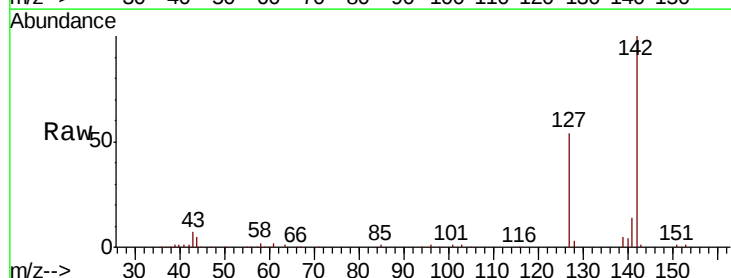
RT: 3.24 min Scan# 174

Delta R.T. 0.03 min

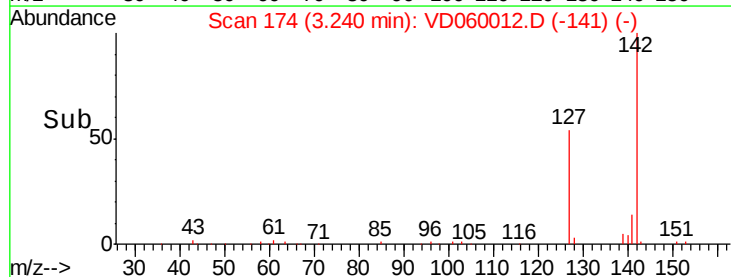
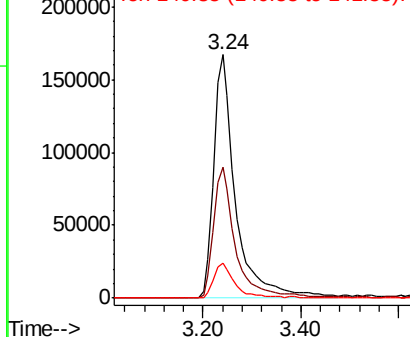
Lab File: VD060012.D

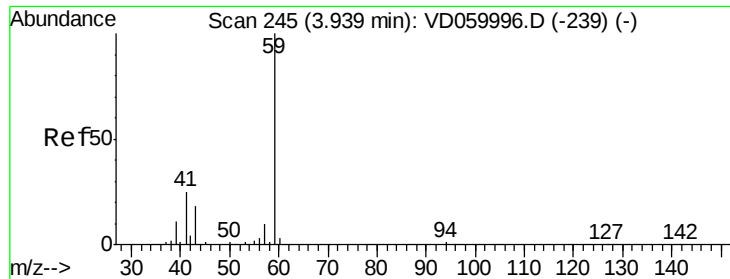
Acq: 17 Sep 2018 10:31

Tgt Ion:	142	Resp:	519840
Ion Ratio	Lower	Upper	
142	100		
127	53.7	45.8	68.8
141	14.3	12.2	18.4



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





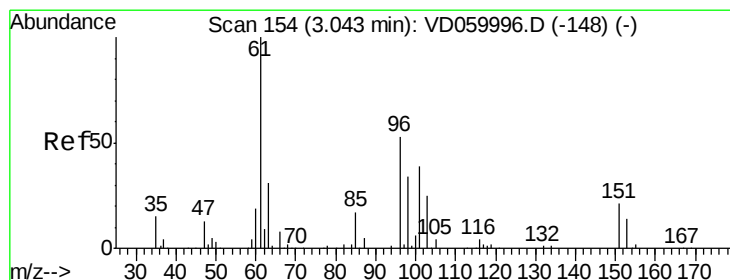
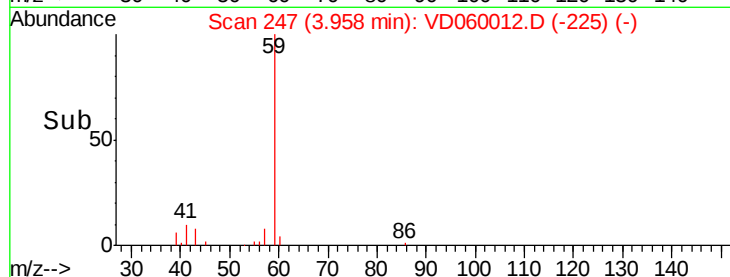
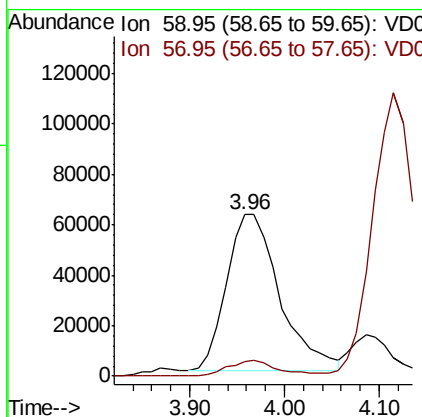
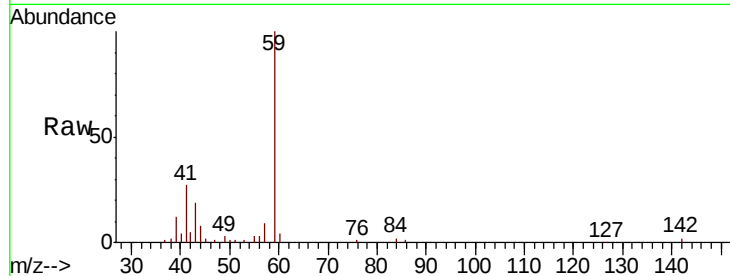
#11
Tert butyl alcohol
Concen: 226.18 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	241736
Ion Ratio	100	Lower	Upper
57	9.2	7.4	11.2

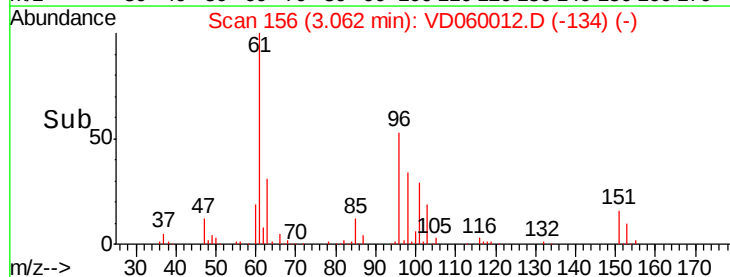
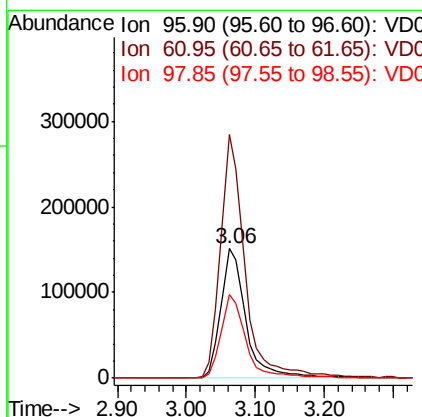
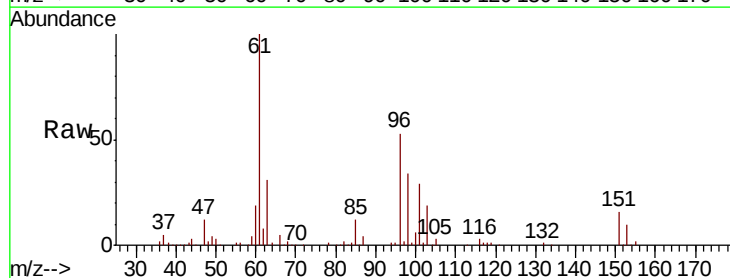
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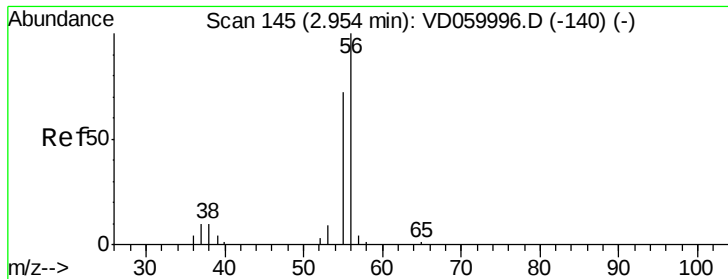
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#12
1,1-Dichloroethene
Concen: 54.84 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	96	Resp	383252
Ion Ratio	100	Lower	Upper
61	187.9	149.8	224.6
98	64.2	50.2	75.4





#13

Acrolein

Concen: 302.10 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 199948

Ion Ratio Lower Upper

56 100

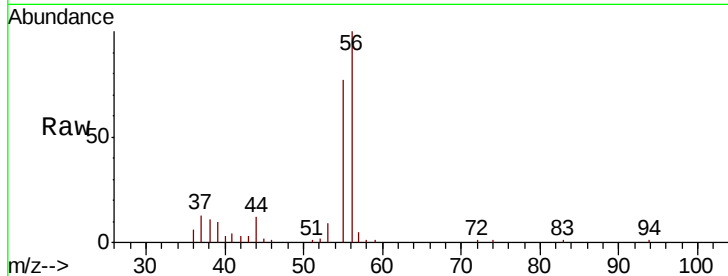
55 77.3 58.3 87.5

Manual Integrations

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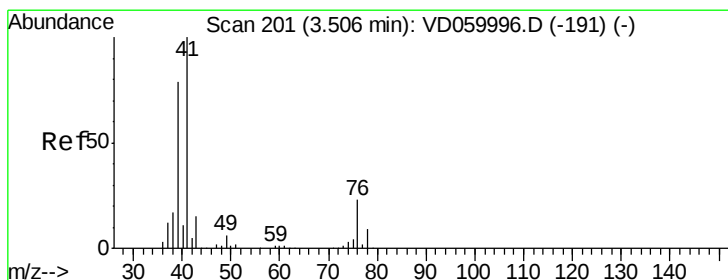
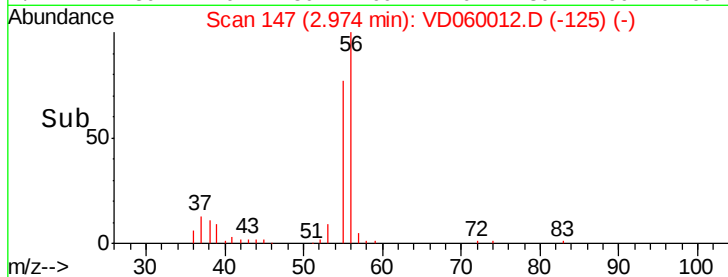
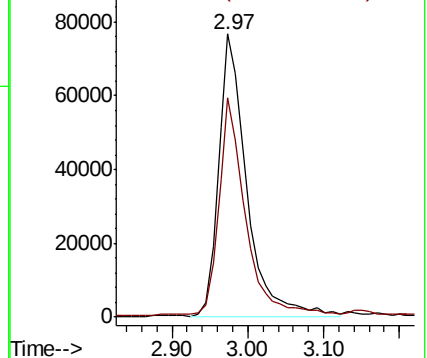
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.61 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

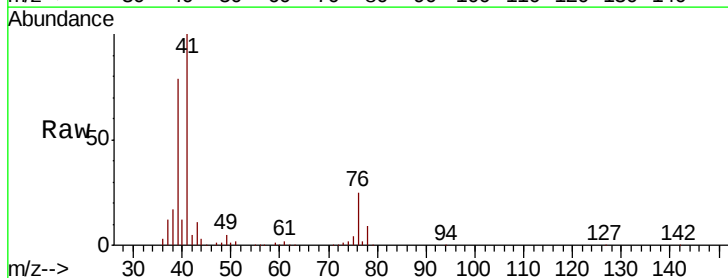
Tgt Ion: 41 Resp: 790066

Ion Ratio Lower Upper

41 100

39 78.7 63.6 95.4

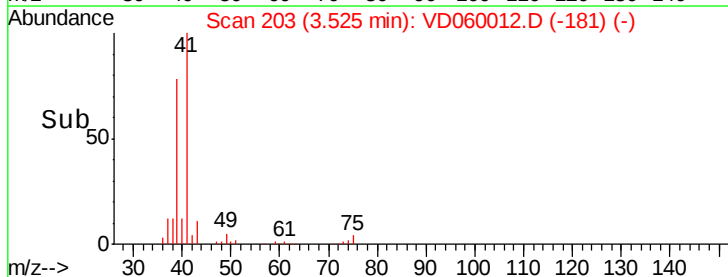
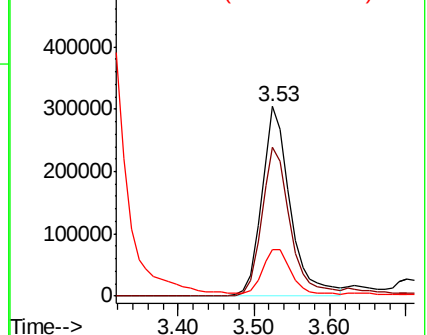
76 24.8 21.1 31.7

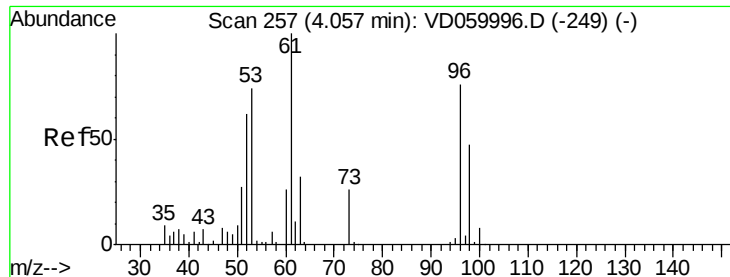


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 246.59 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

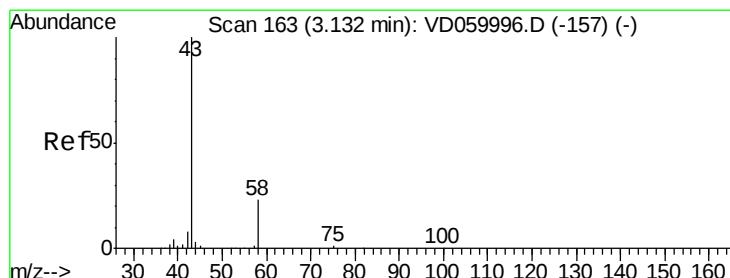
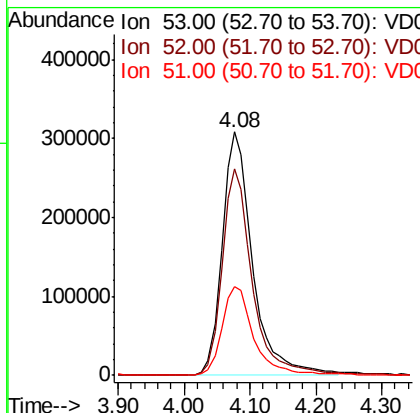
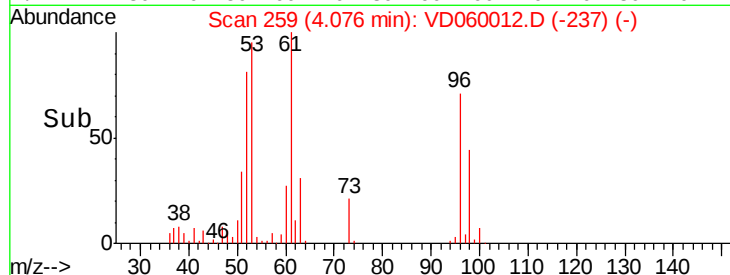
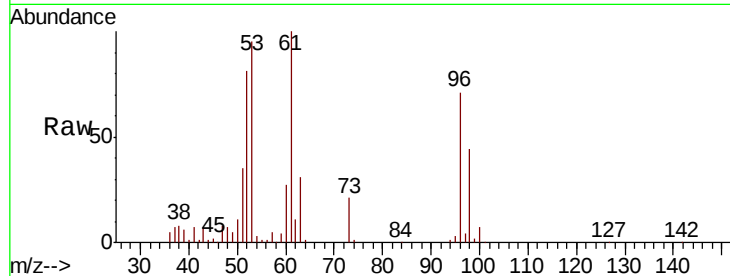
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	994811
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.7	100.1
51	36.7	29.0	43.6

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#16

Acetone

Concen: 274.16 ug/l

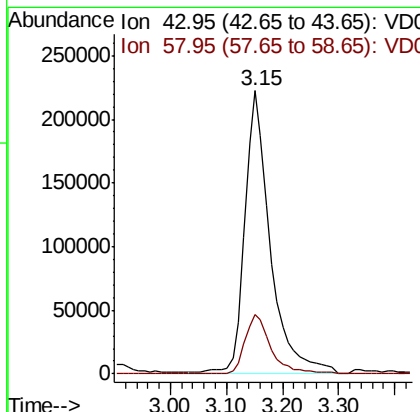
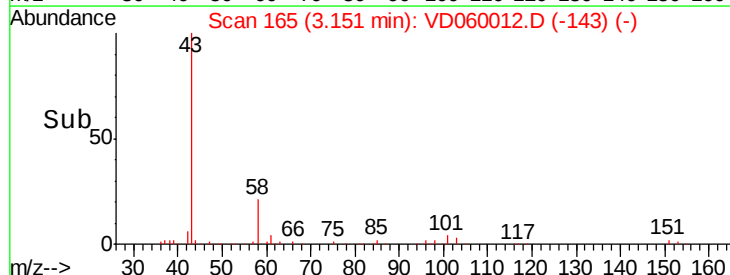
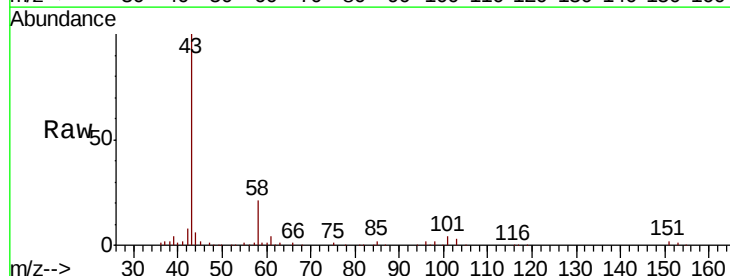
RT: 3.15 min Scan# 165

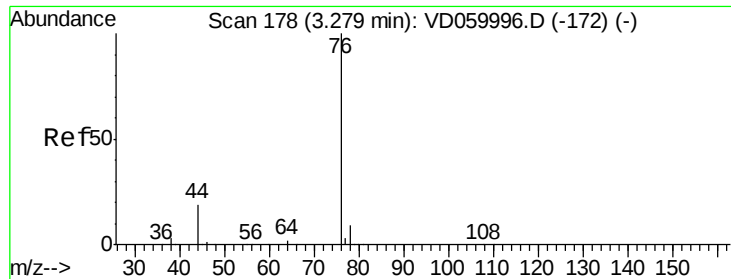
Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion:	43	Resp:	701110
Ion Ratio	Lower	Upper	
43	100		
58	20.9	18.1	27.1





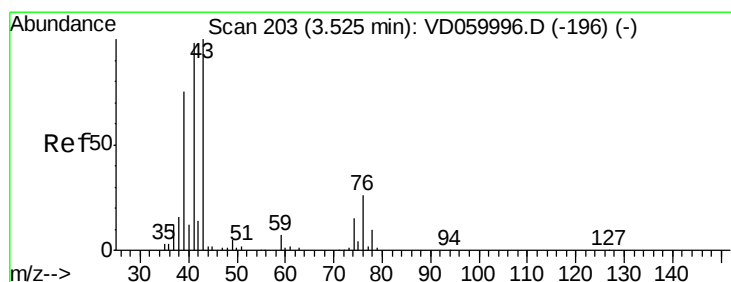
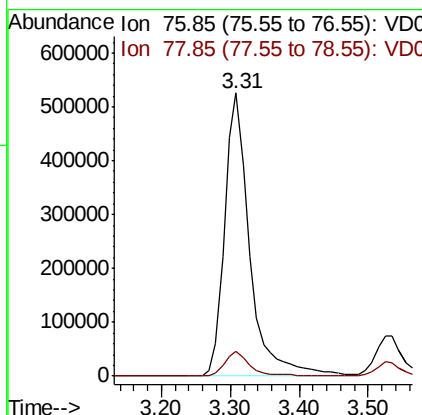
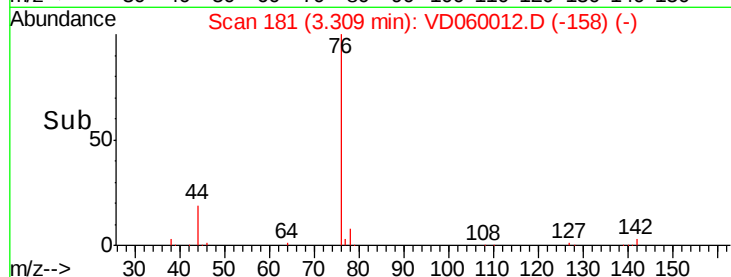
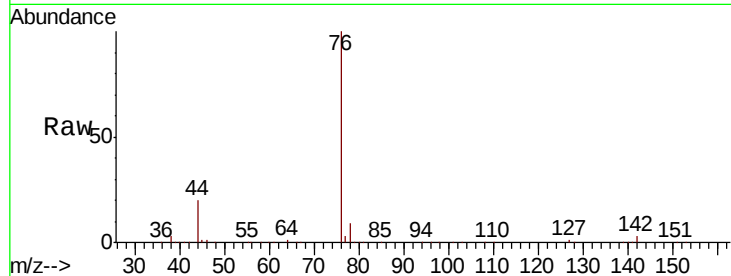
#17
Carbon Disulfide
Concen: 54.94 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1323003
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

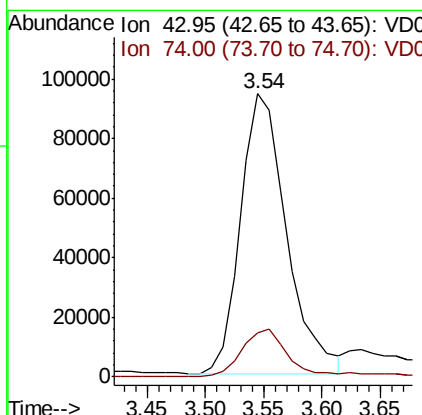
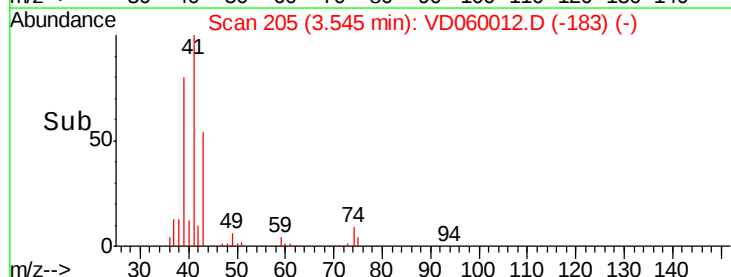
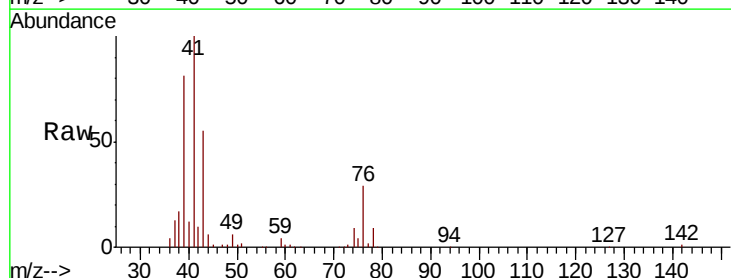
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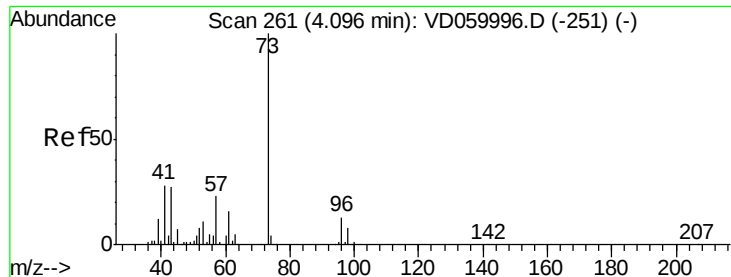
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#18
Methyl Acetate
Concen: 49.31 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 43 Resp: 256458
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.8





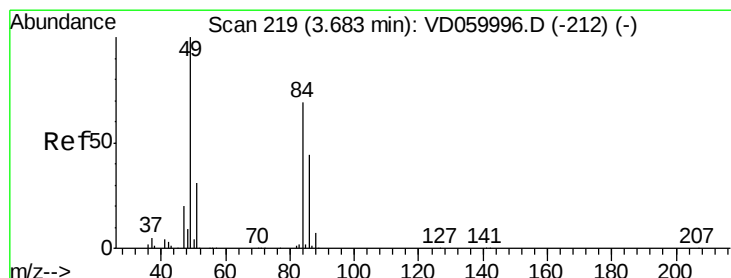
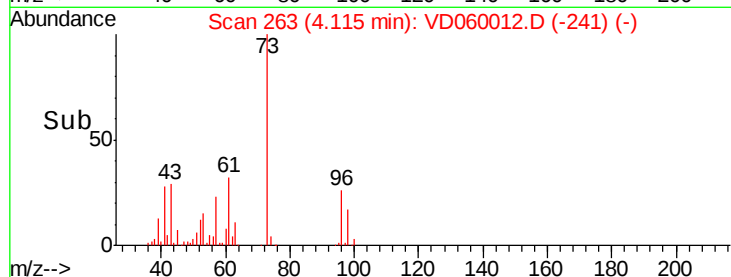
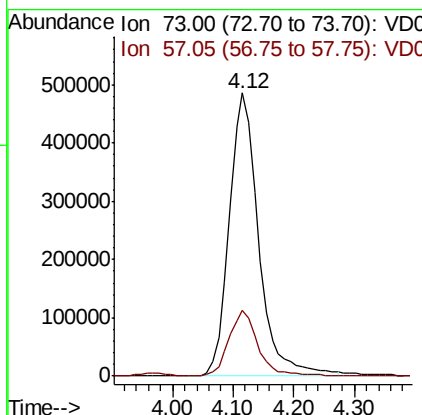
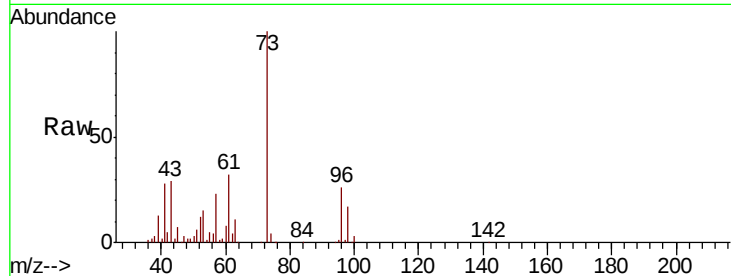
#19
Methvl tert-butvl Ether
Concen: 51.03 ug/l
RT: 4.12 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1647822
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

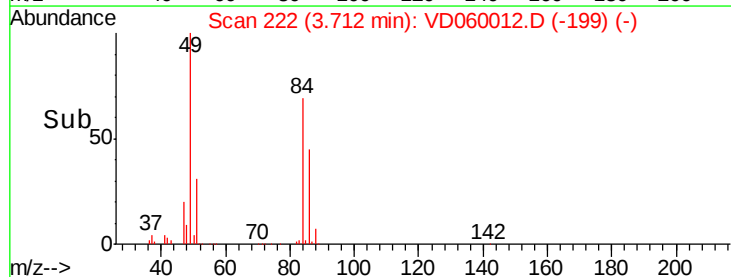
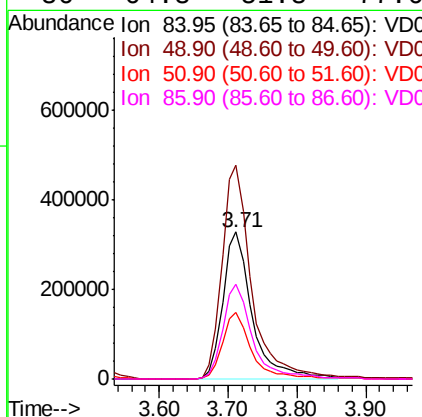
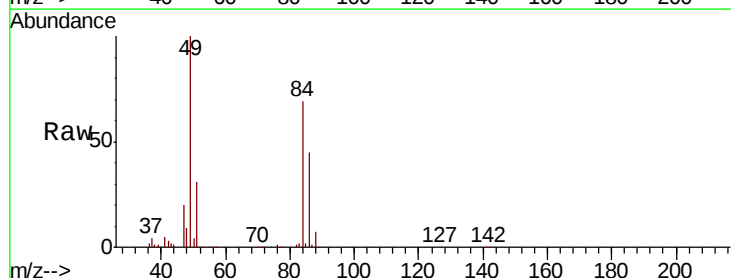
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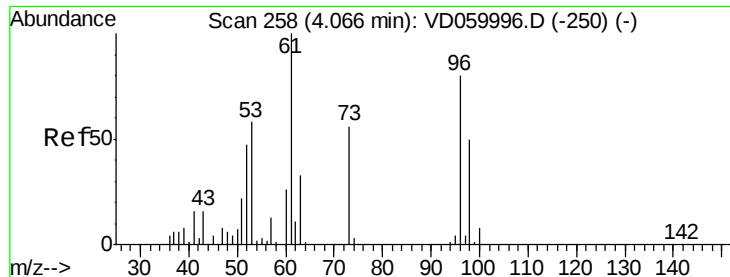
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#20
Methylene Chloride
Concen: 53.46 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 84 Resp: 963725
Ion Ratio Lower Upper
84 100
49 145.5 116.6 175.0
51 45.0 35.9 53.9
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.59 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

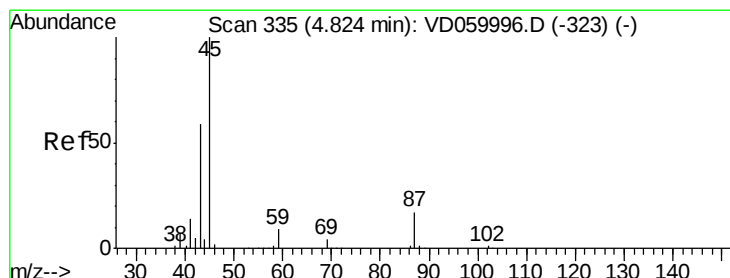
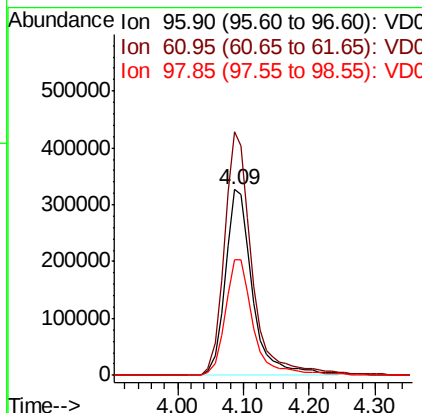
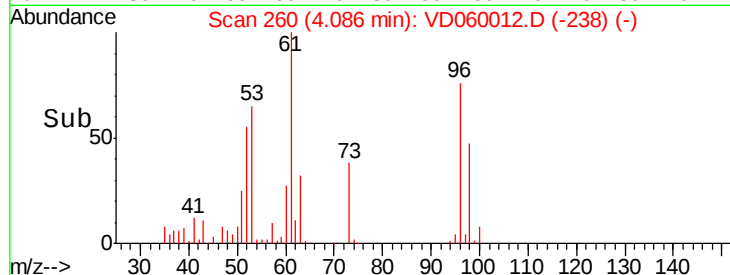
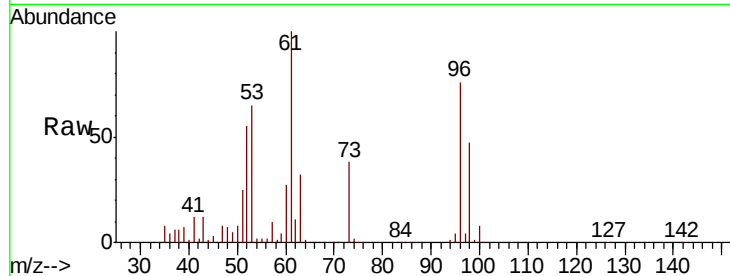
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	946116
Ion	Ratio	Lower	Upper
96	100		
61	131.1	100.1	150.1
98	61.9	49.5	74.3

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#22

Diisopropyl ether

Concen: 51.49 ug/l

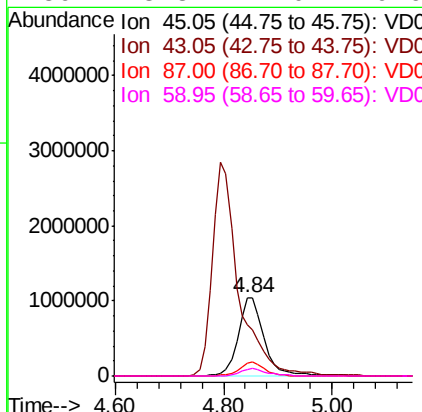
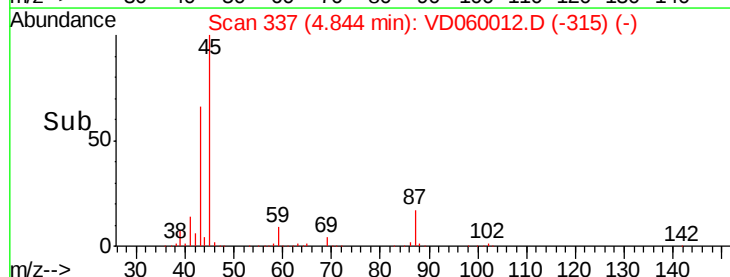
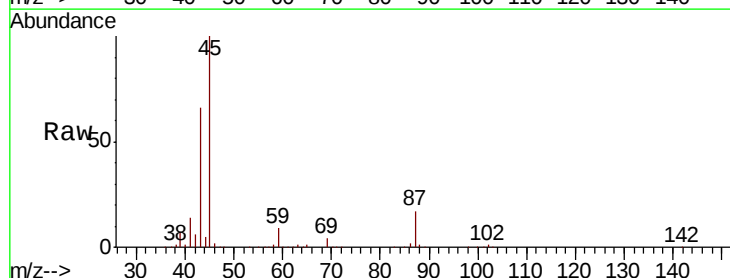
RT: 4.84 min Scan# 337

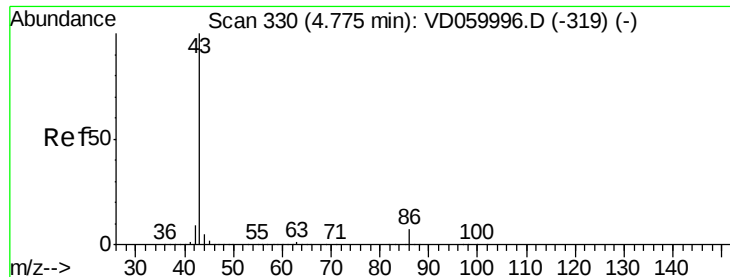
Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion:	45	Resp:	3461471
Ion	Ratio	Lower	Upper
45	100		
43	65.8	47.1	70.7
87	16.9	14.2	21.2
59	8.8	7.0	10.6





#23

Vinyl Acetate

Concen: 250.93 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9556924

Ion Ratio Lower Upper

43 100

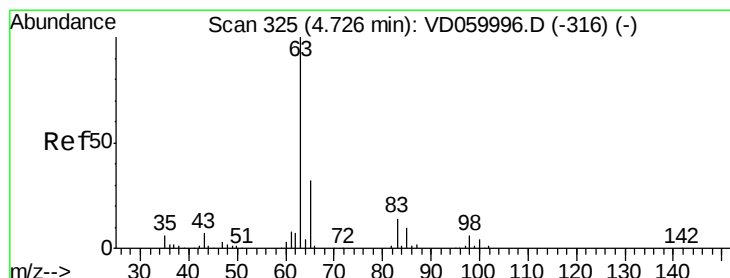
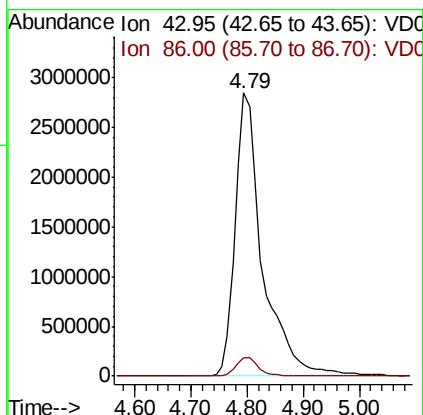
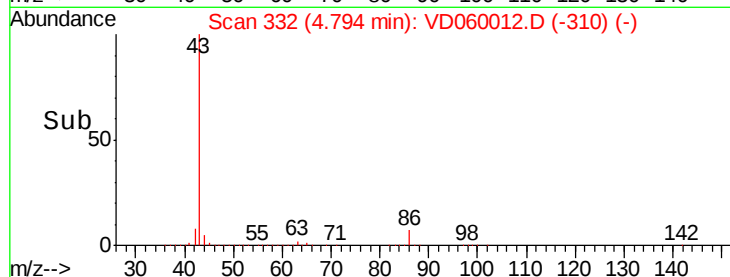
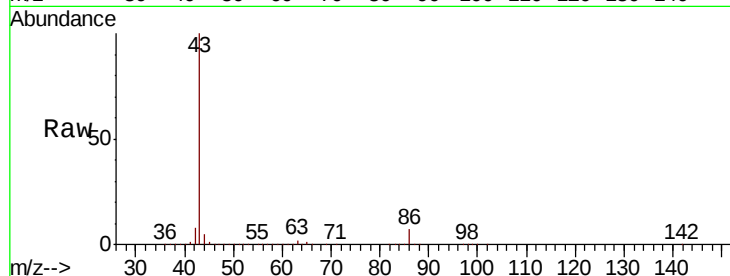
86 6.5 5.5 8.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.60 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

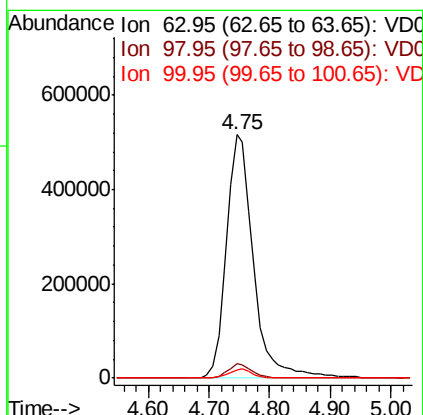
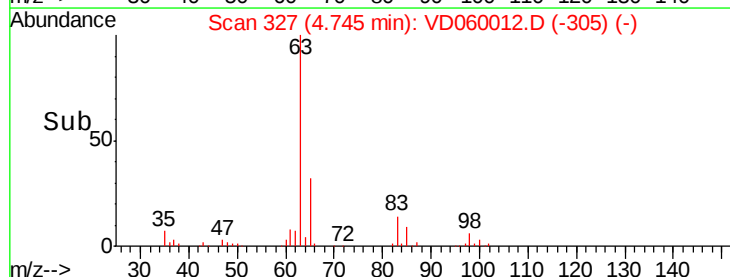
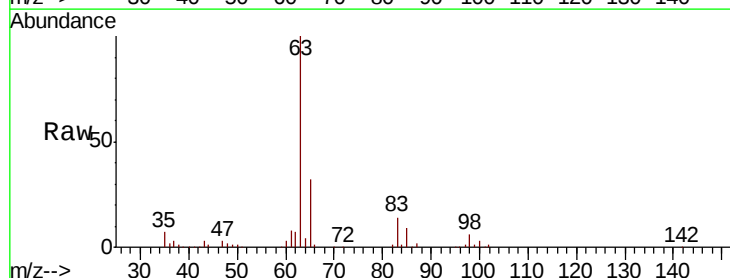
Tgt Ion: 63 Resp: 1586776

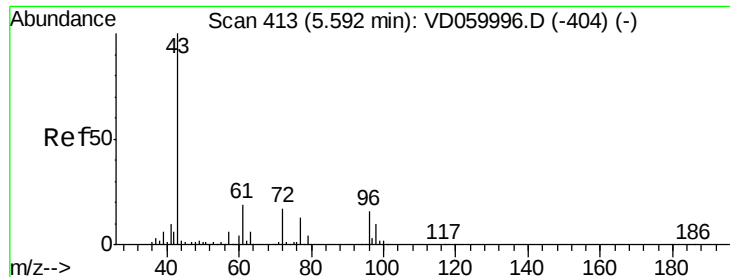
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.4 1.8 5.4





#25

2-Butanone

Concen: 232.32 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1603178

Ion Ratio Lower Upper

43 100

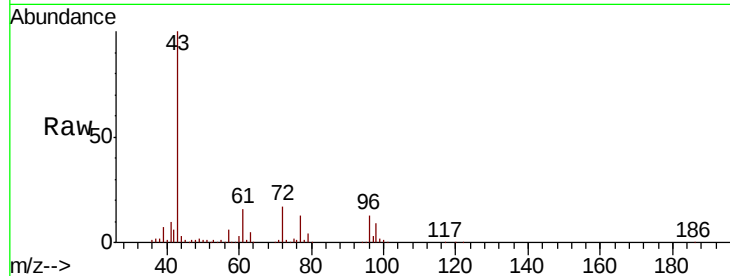
72 17.4 13.6 20.4

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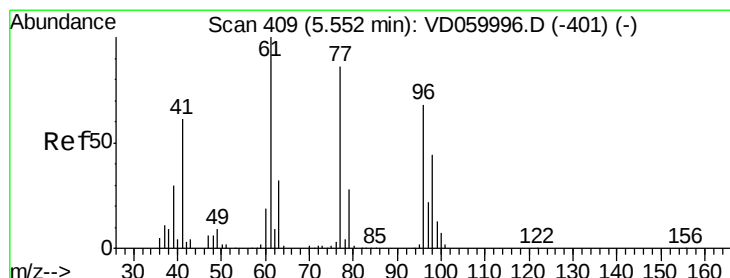
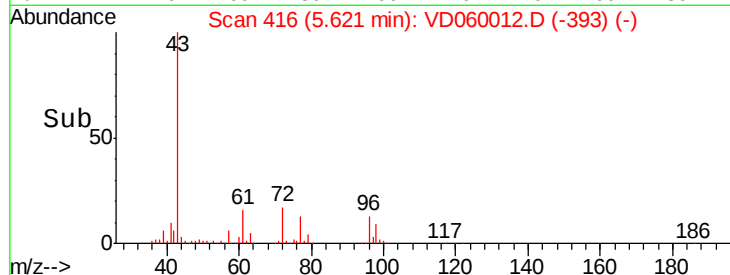
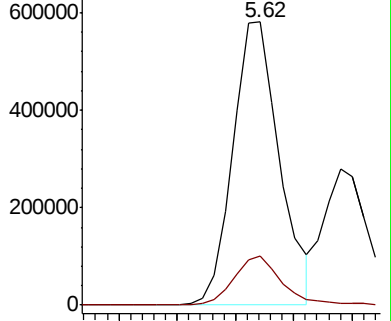
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.08 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060012.D

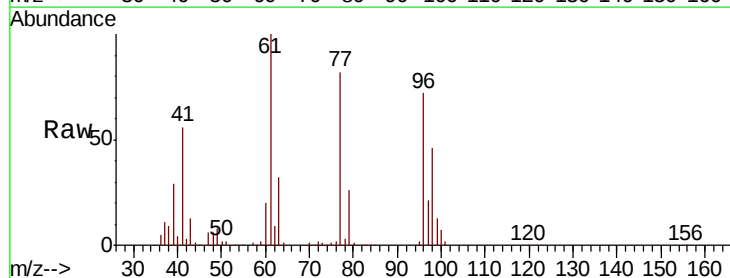
Acq: 17 Sep 2018 10:31

Tgt Ion: 77 Resp: 1268356

Ion Ratio Lower Upper

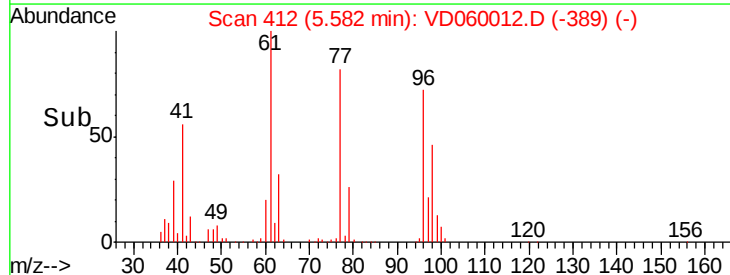
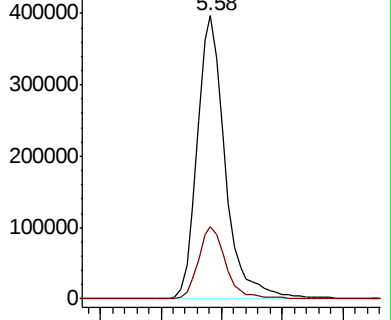
77 100

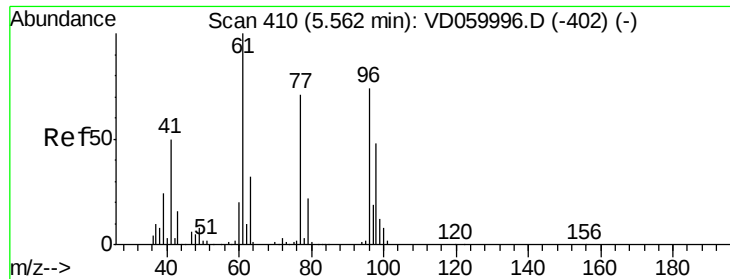
97 25.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

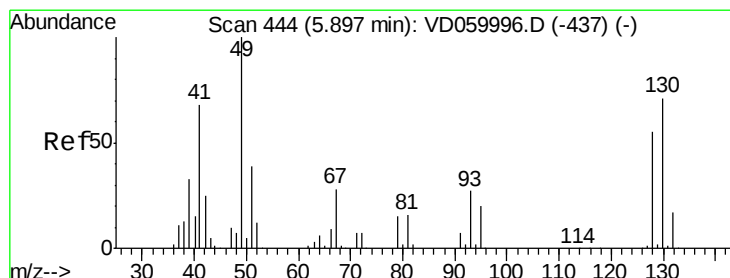
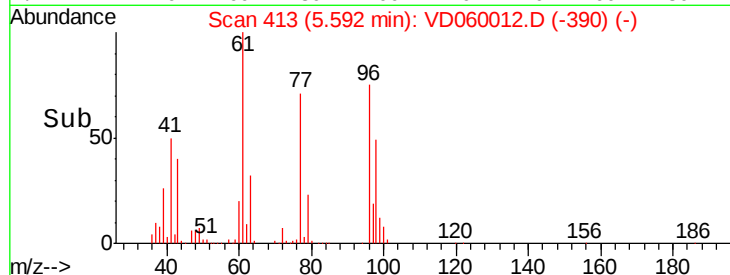
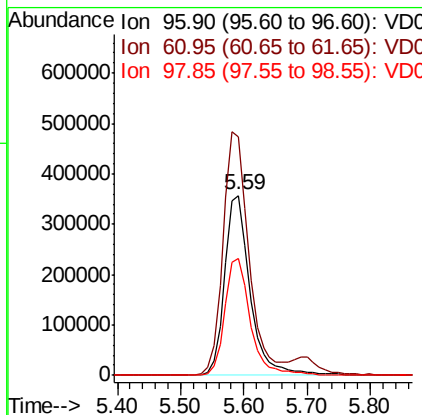
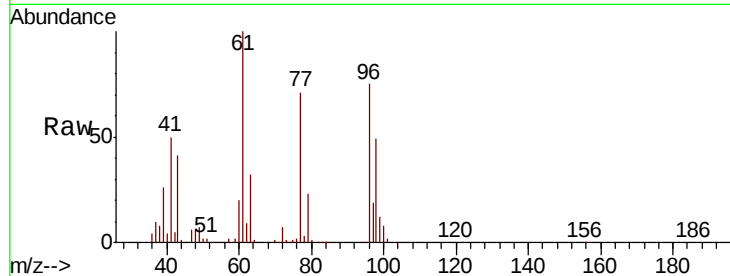
cis-1,2-Dichloroethene
 Concen: 52.00 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. 0.03 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.9	0.0	269.6	
98	64.8	0.0	128.4	

Manual Integrations
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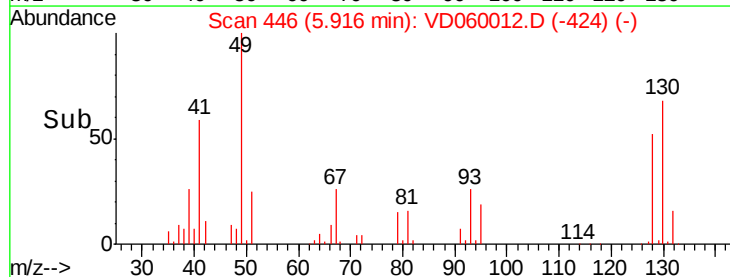
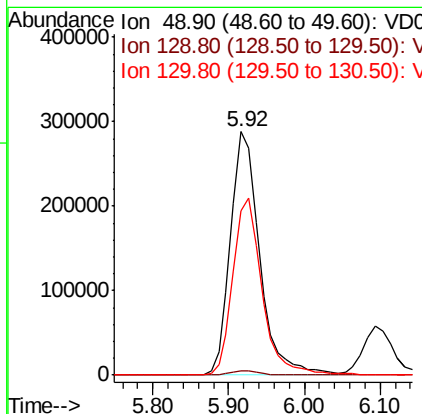
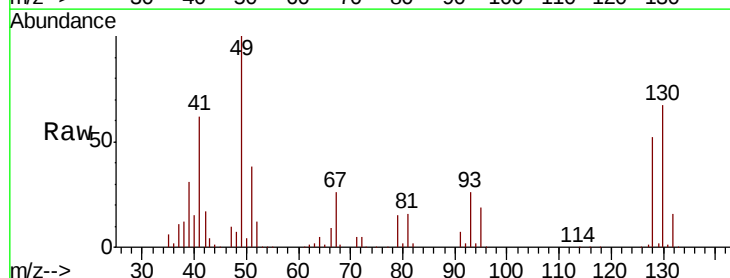
apatel
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#28

Bromochloromethane
 Concen: 53.11 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	67.5	57.1	85.7	





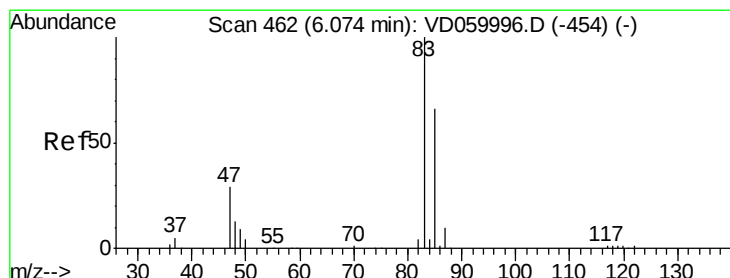
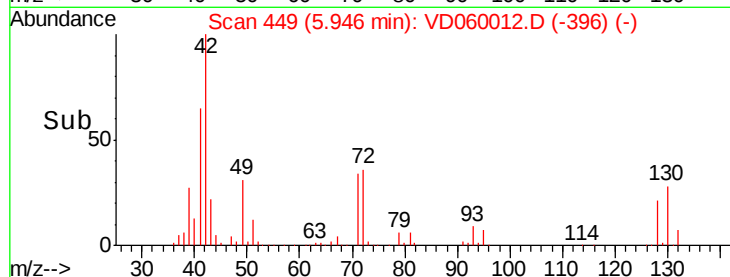
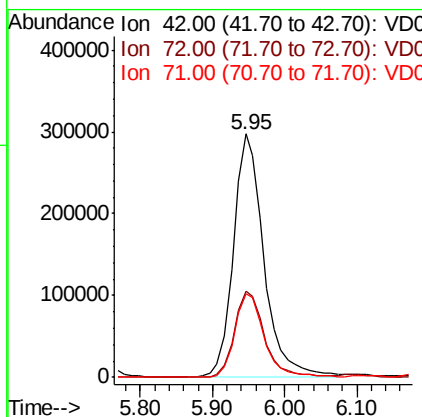
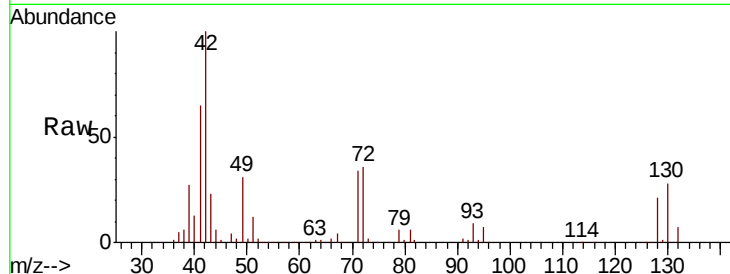
#29
Tetrahydrofuran
Concen: 235.35 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	26.9	40.3
71	33.6	26.2	39.4

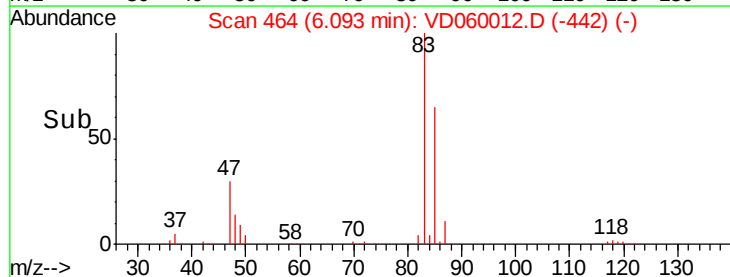
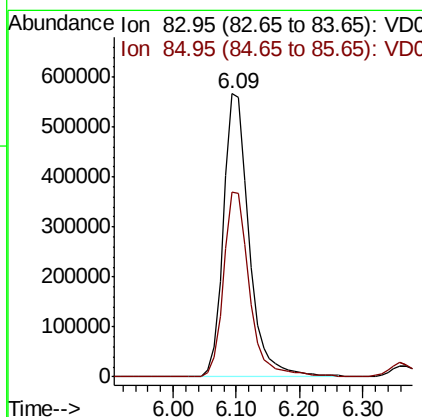
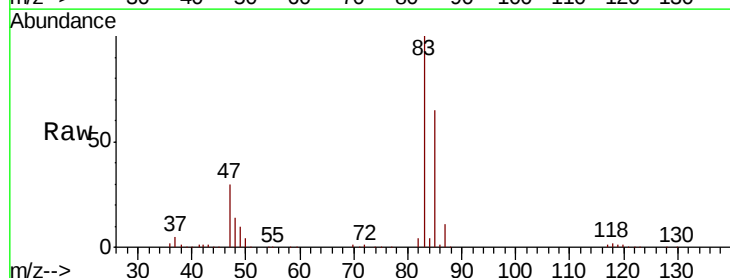
Manual Integrations
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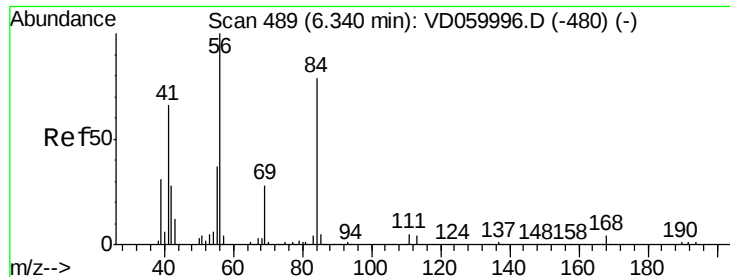
apatel
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#30
Chloroform
Concen: 52.17 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





#31

Cyclohexane

Concen: 48.75 ug/l

RT: 6.36 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1434049

Ion Ratio Lower Upper

56 100

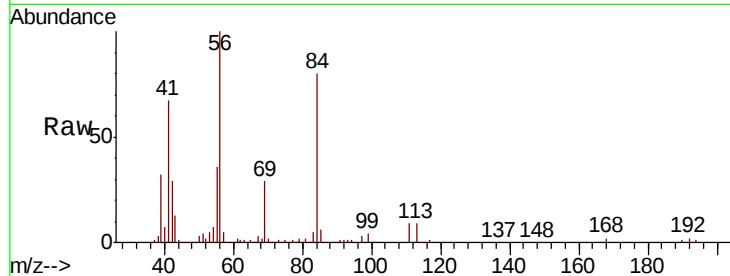
69 28.7 22.7 34.1

84 79.6 64.0 96.0

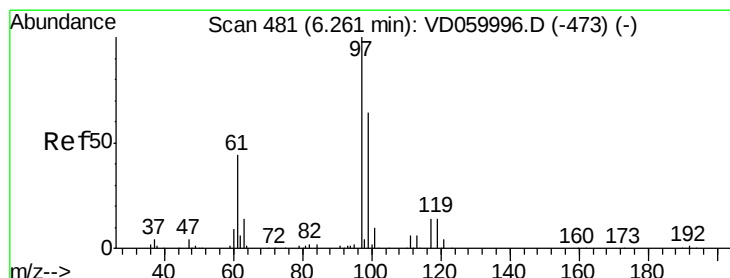
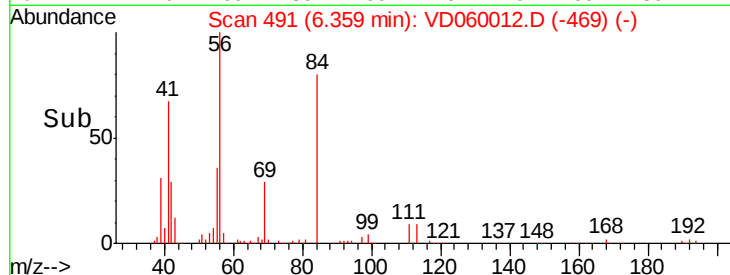
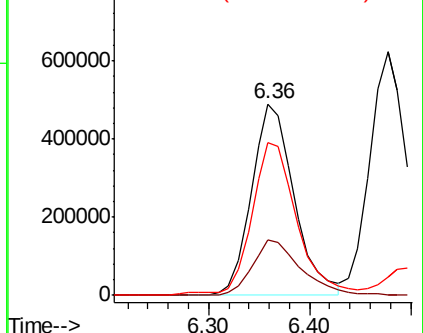
Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 52.72 ug/l

RT: 6.29 min Scan# 484

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

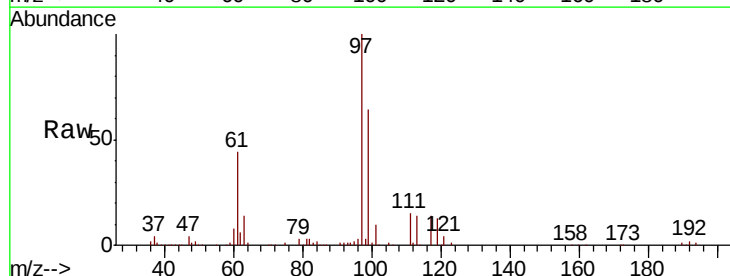
Tgt Ion: 97 Resp: 1337724

Ion Ratio Lower Upper

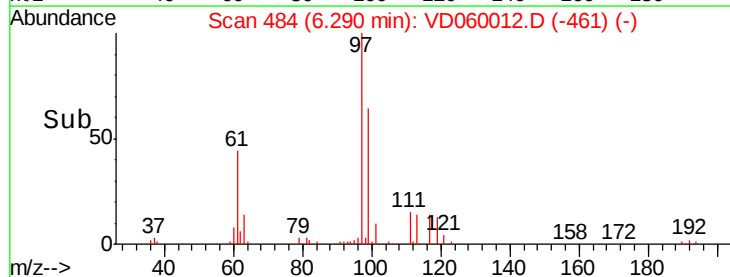
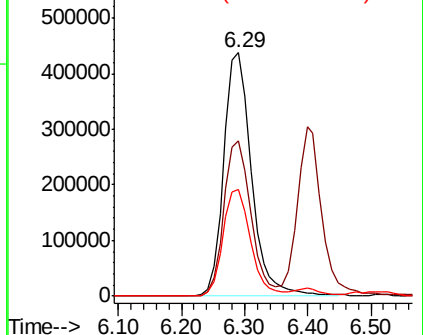
97 100

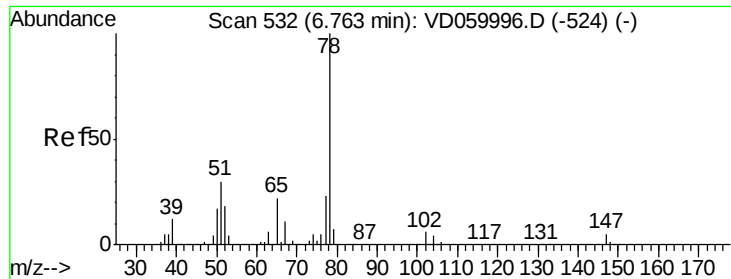
99 64.0 51.3 76.9

61 44.0 35.5 53.3



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





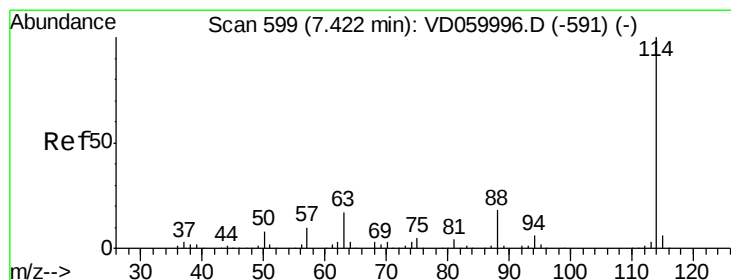
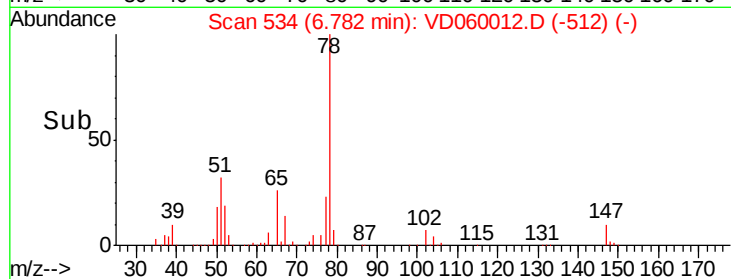
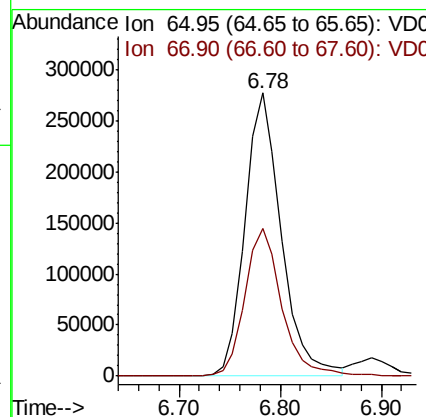
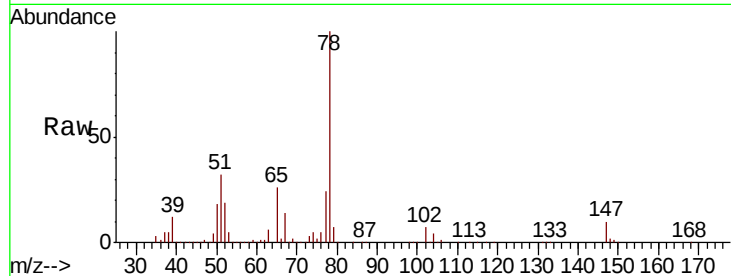
#33
 1,2-Dichloroethane-d4
 Concen: 52.72 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.8	

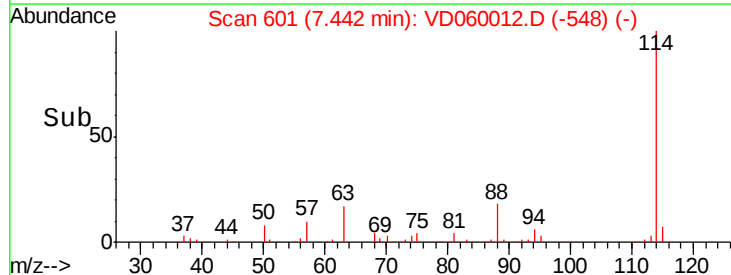
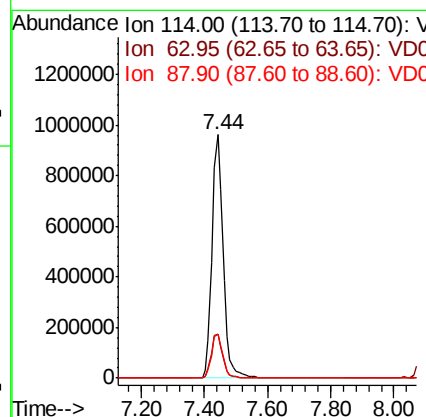
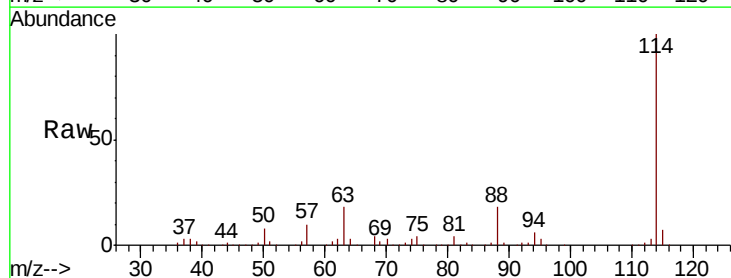
Manual Integrations
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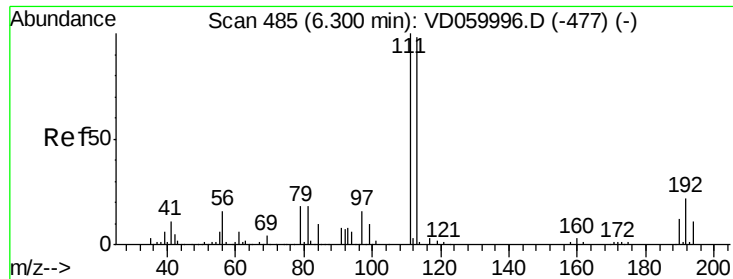
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.0	0.0	34.4	
88	18.2	0.0	35.8	





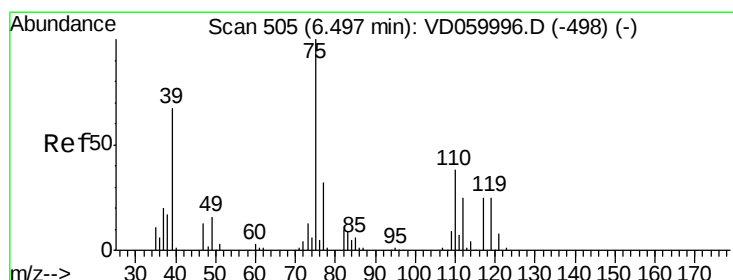
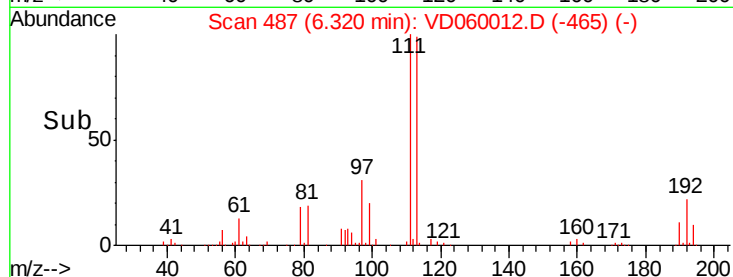
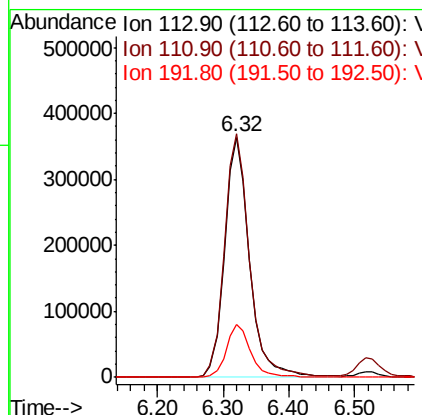
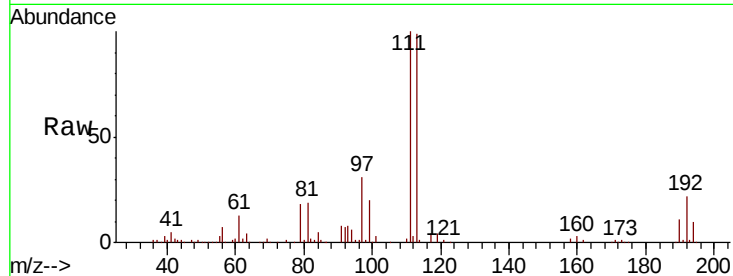
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	962807		
111	101.3	81.3	121.9	
192	22.2	18.1	27.1	

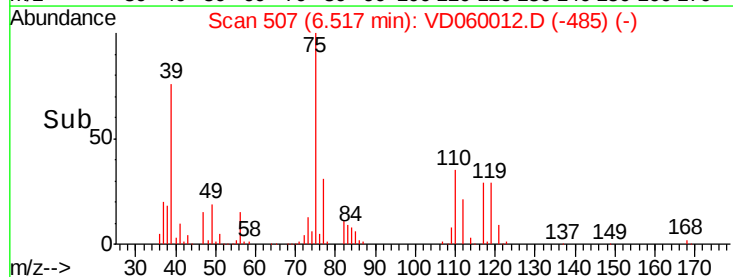
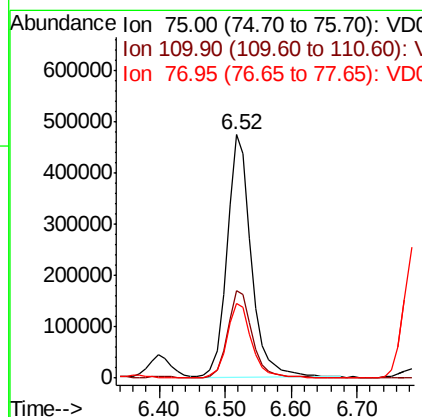
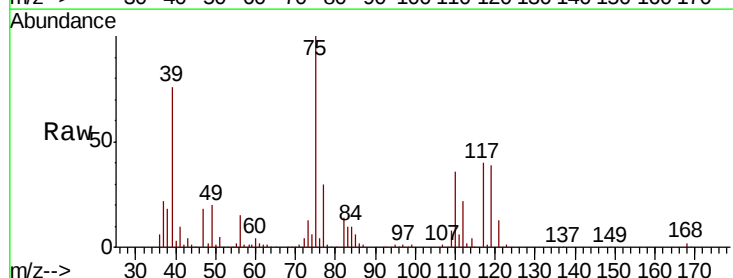
Manual Integrations
APPROVED

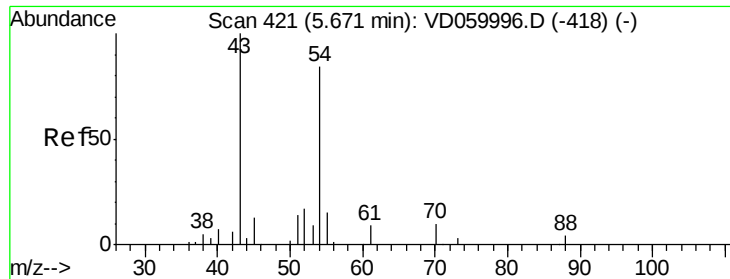
apatel
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#36
1,1-Dichloropropene
Concen: 51.68 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1205195		
110	35.8	18.9	56.9	
77	30.5	25.3	37.9	





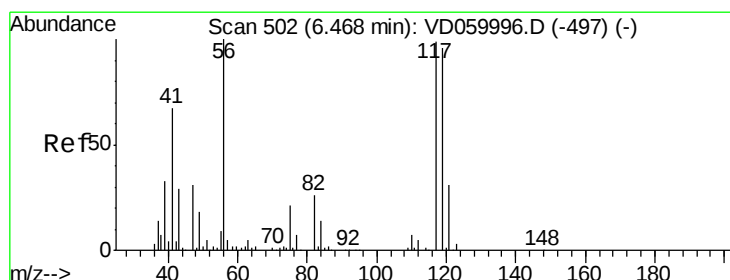
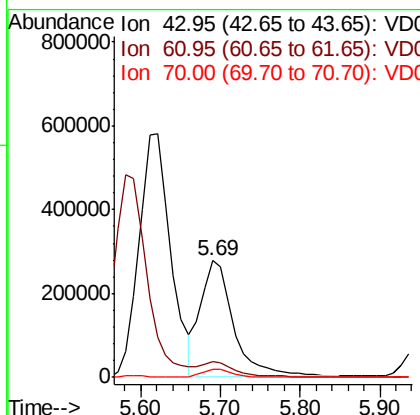
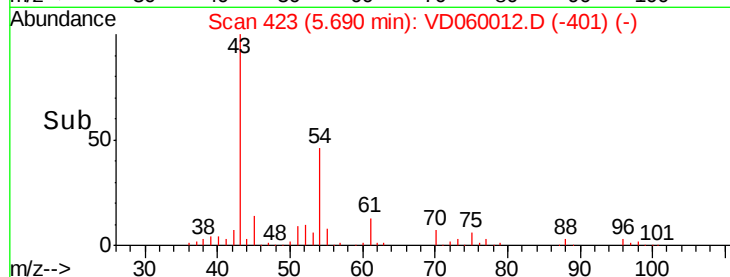
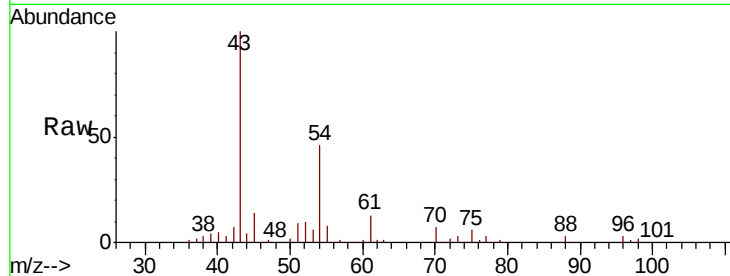
#37
Ethyl Acetate
Concen: 48.85 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	7.5	6.1	9.1

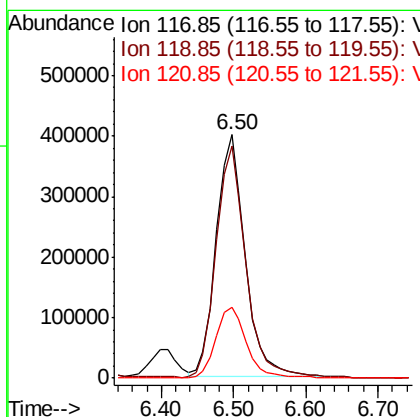
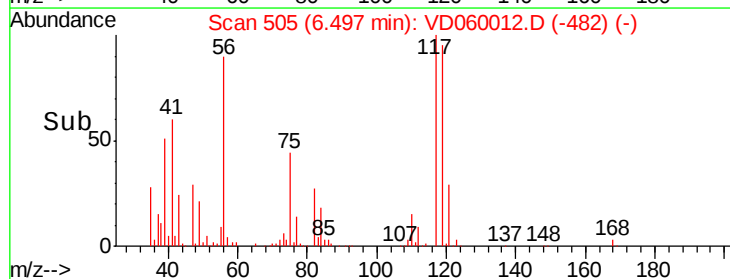
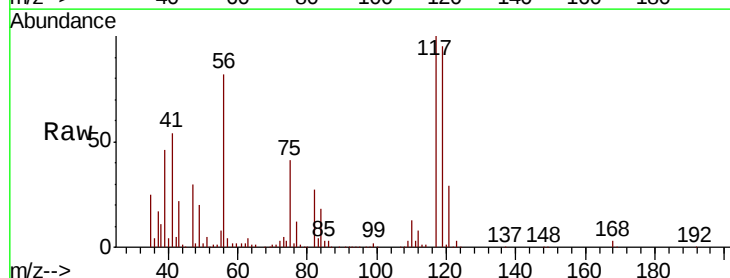
Manual Integrations
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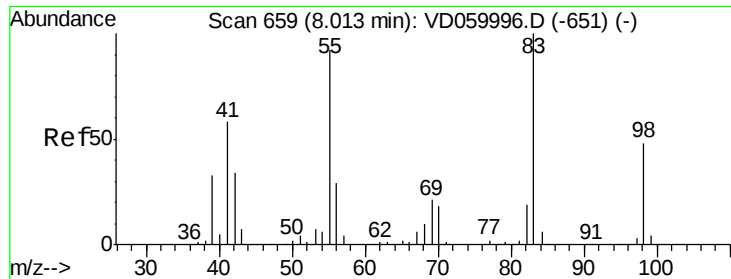
apatel
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#38
Carbon Tetrachloride
Concen: 51.10 ug/l
RT: 6.50 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.7	115.1
121	29.3	24.9	37.3





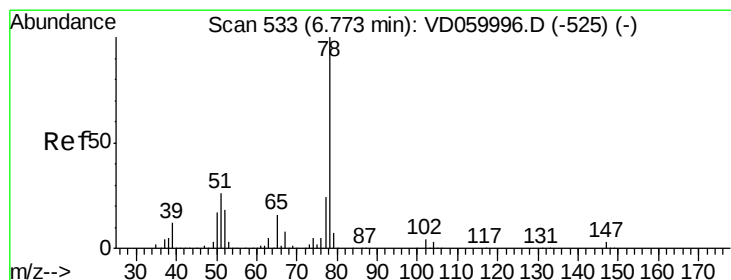
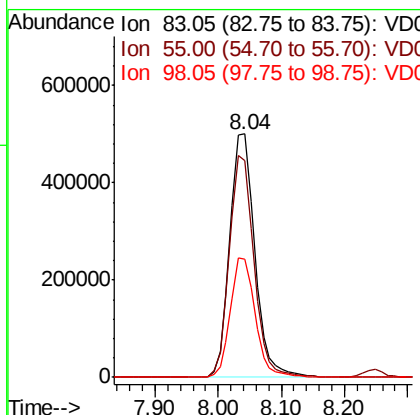
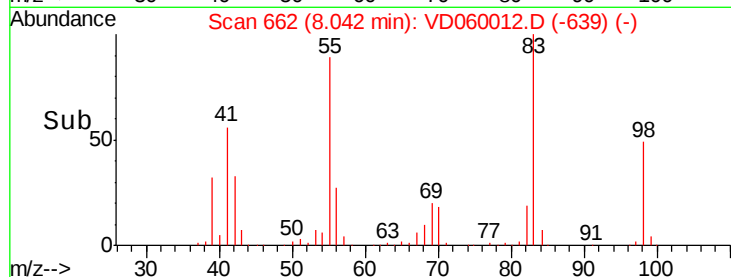
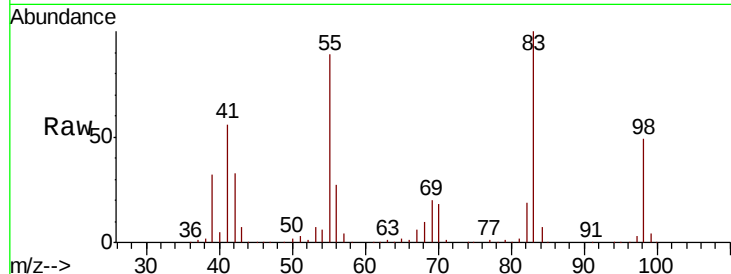
#39
Methvlcvclohexane
Concen: 52.28 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1379177
Ion Ratio Lower Upper
83 100
55 89.0 73.8 110.6
98 48.6 38.1 57.1

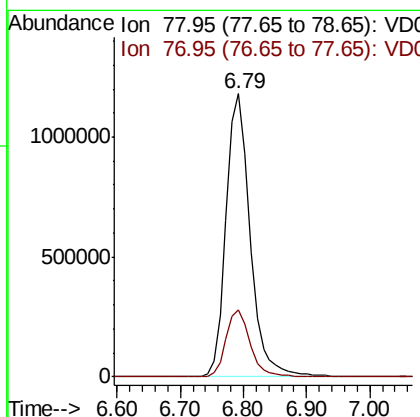
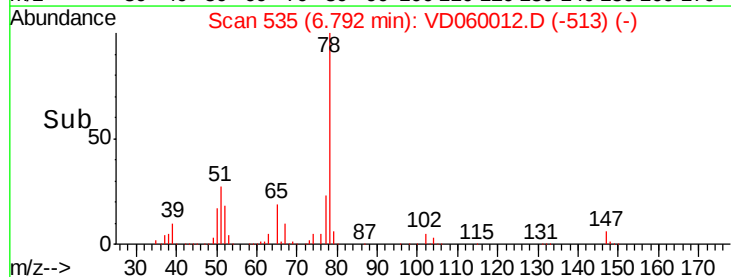
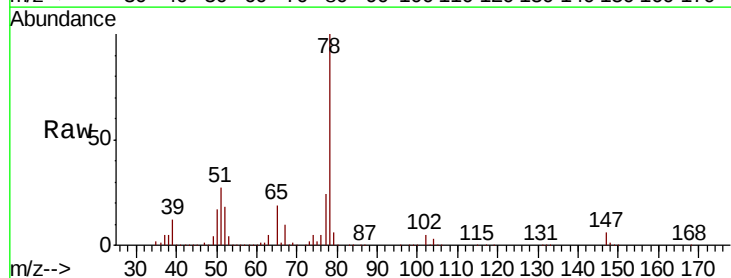
Manual Integrations
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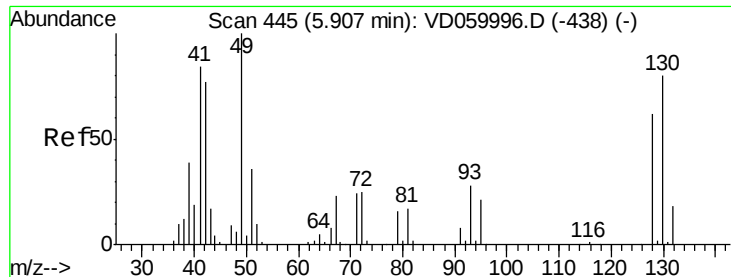
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#40
Benzene
Concen: 52.66 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 78 Resp: 3130028
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





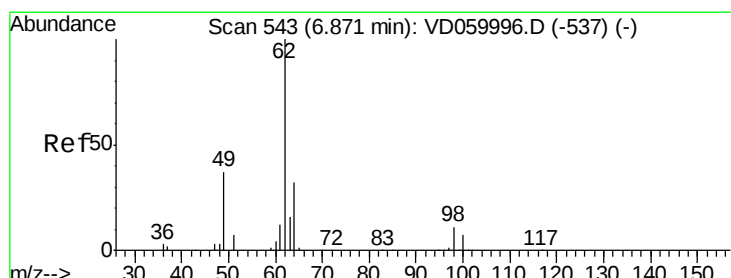
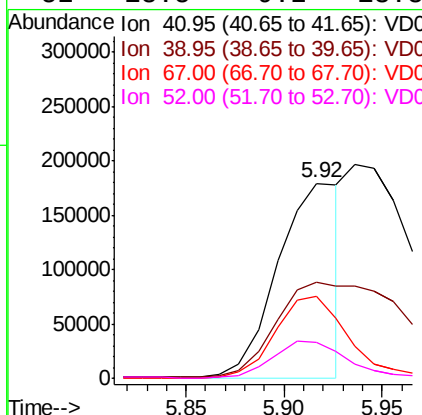
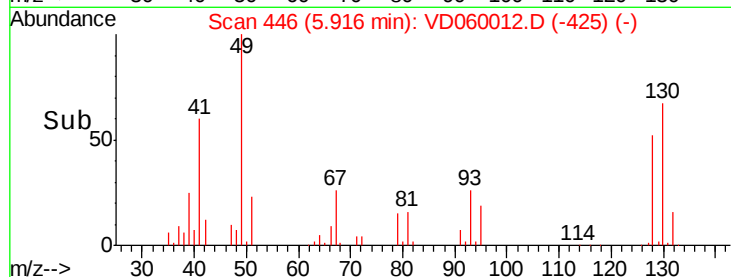
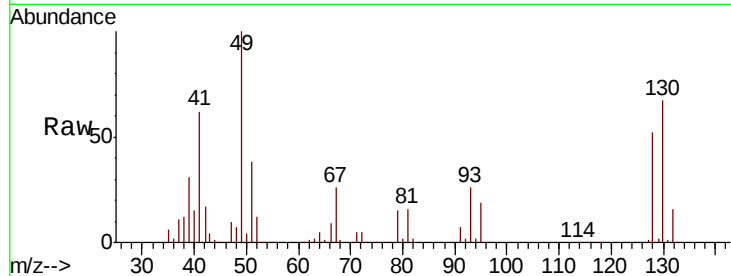
#41
Methacrylonitrile
Concen: 48.03 ug/l m
RT: 5.92 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.1	37.5	56.3
67	42.3	21.5	32.3
52	18.5	9.2	13.8

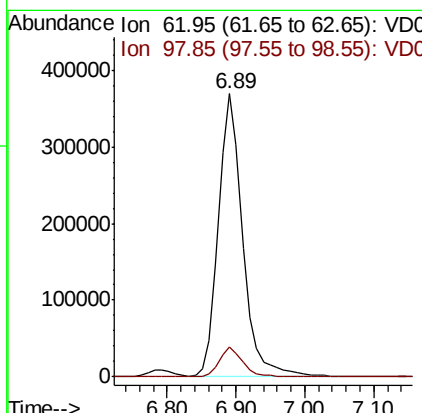
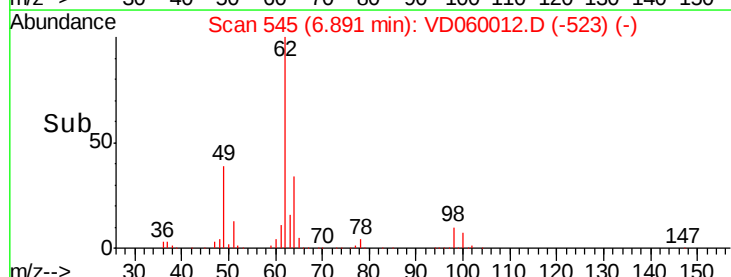
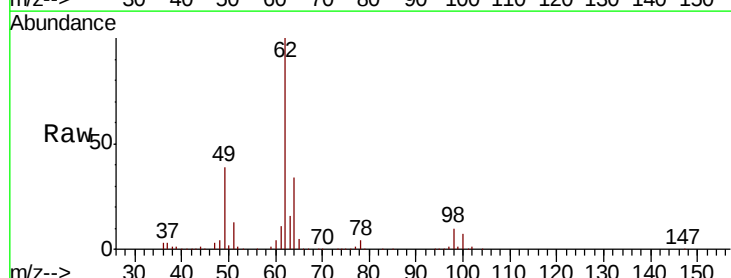
Manual Integrations
APPROVED

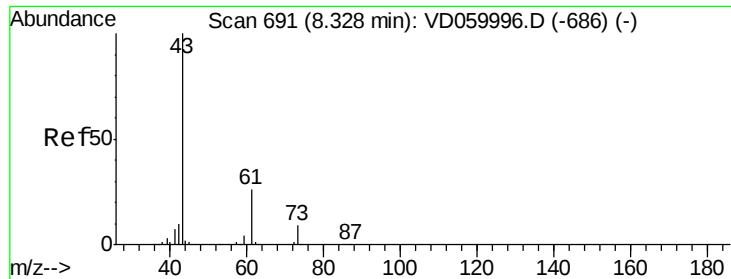
apatel
9/18/2018 1:13:31 PM



#42
1,2-Dichloroethane
Concen: 50.14 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





#43

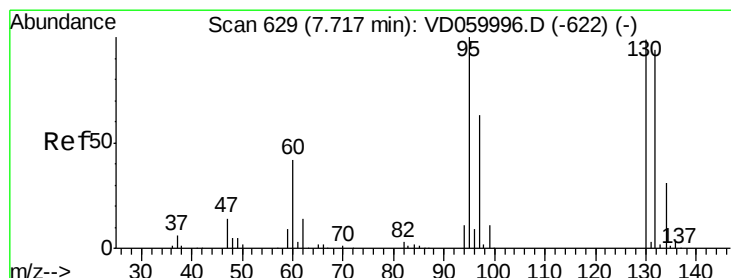
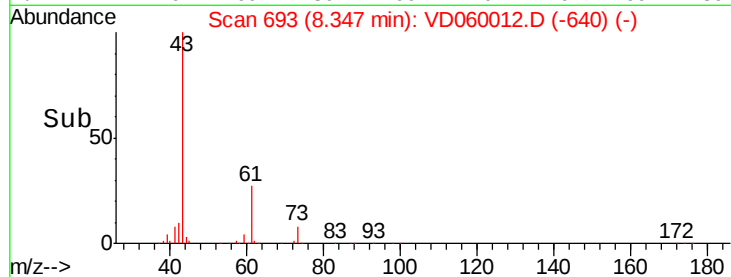
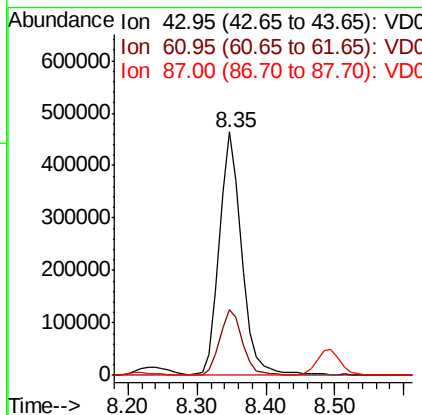
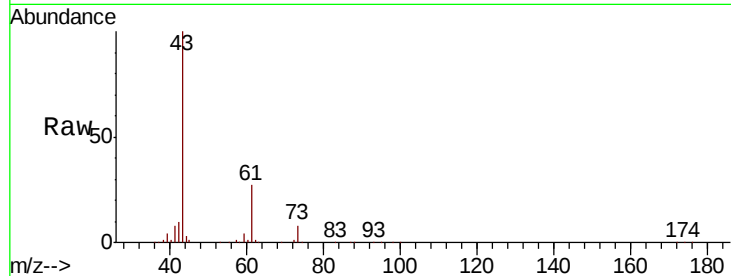
Isopropyl Acetate
 Concen: 47.91 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1028755
 Ion Ratio Lower Upper
 43 100
 61 27.0 21.0 31.6
 87 0.2 0.2 0.2#

Manual Integrations
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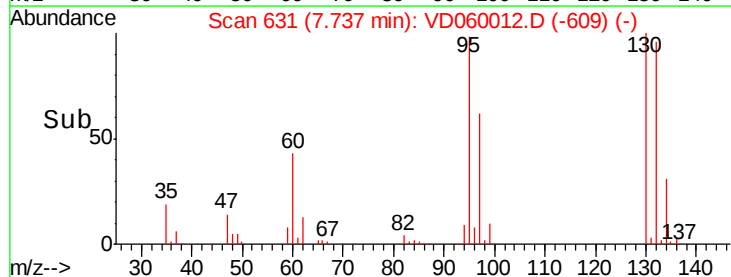
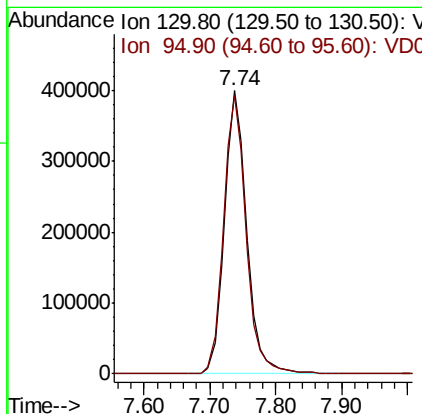
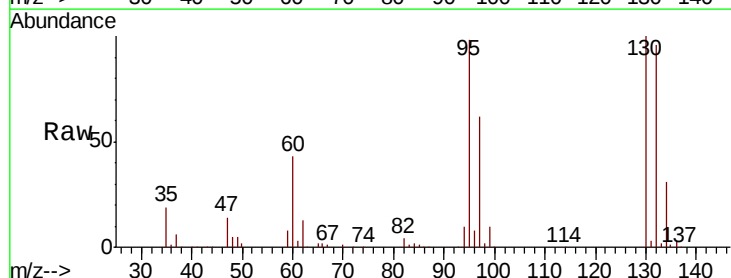
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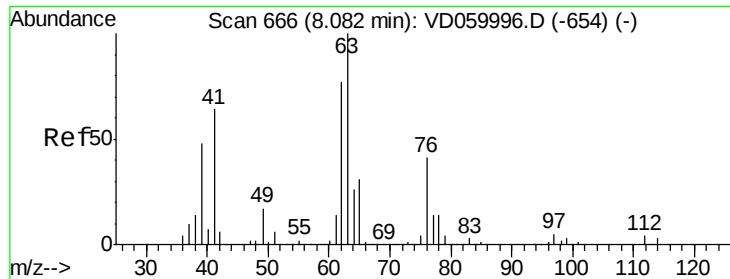


#44

Trichloroethene
 Concen: 51.68 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 130 Resp: 949078
 Ion Ratio Lower Upper
 130 100
 95 98.4 0.0 202.0





#45

1,2-Dichloropropane

Concen: 52.00 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 826459

Ion Ratio Lower Upper

63 100

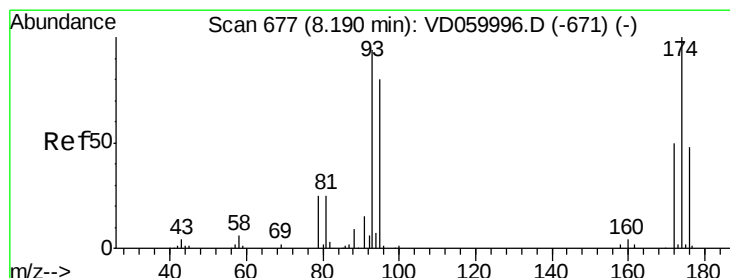
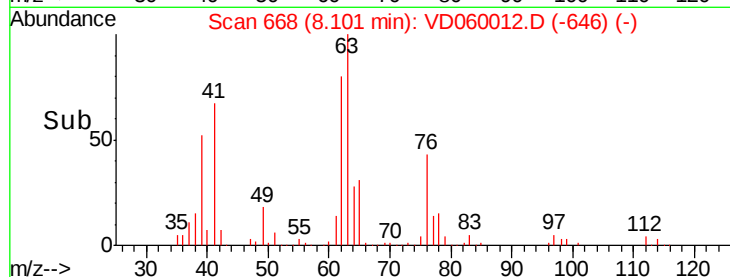
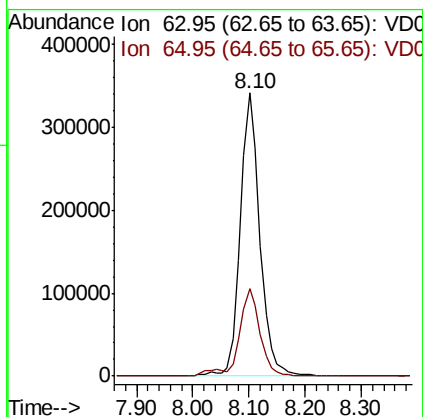
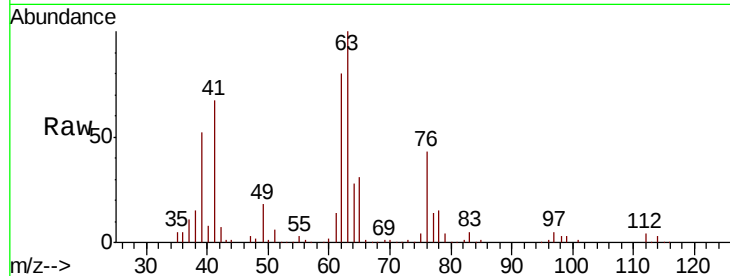
65 30.7 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 50.48 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

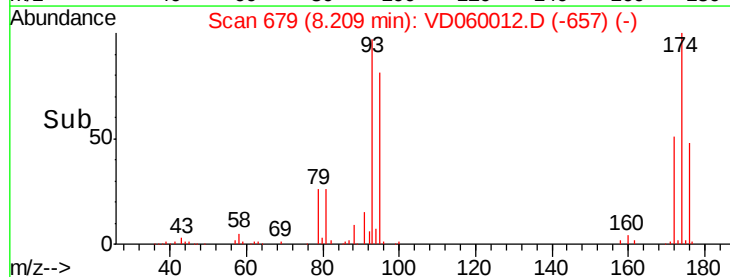
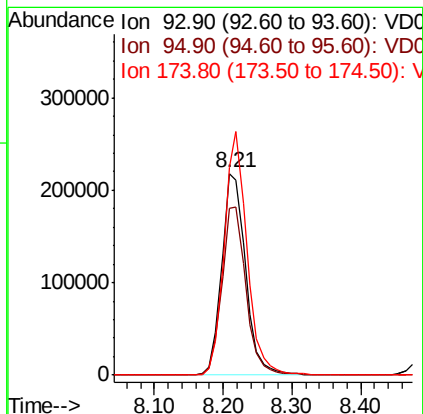
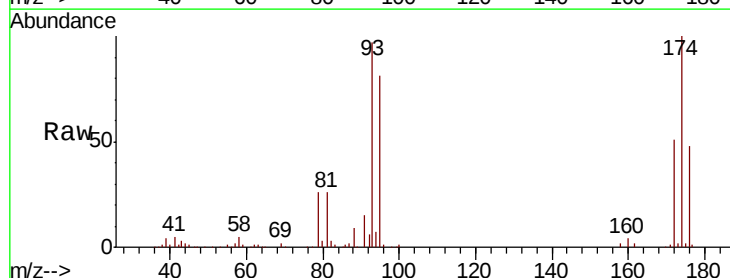
Tgt Ion: 93 Resp: 523535

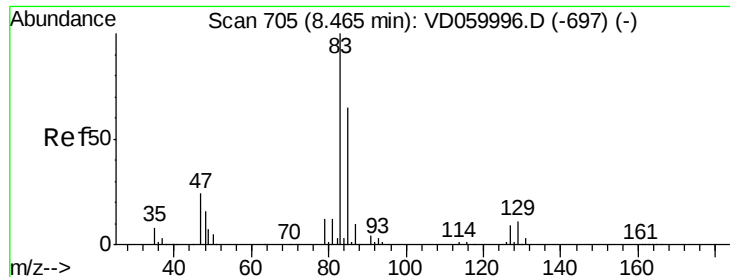
Ion Ratio Lower Upper

93 100

95 83.0 68.0 102.0

174 102.9 85.4 128.2





#47

Bromodichloromethane

Concen: 51.74 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1156828

Ion Ratio Lower Upper

83 100

85 64.3 51.9 77.9

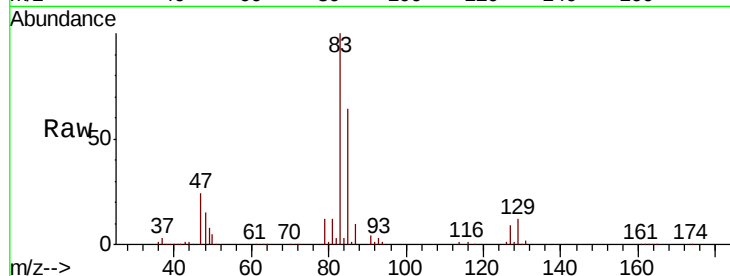
127 8.6 6.8 10.2

Manual Integrations

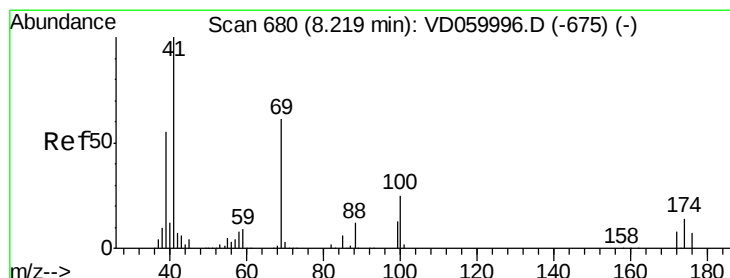
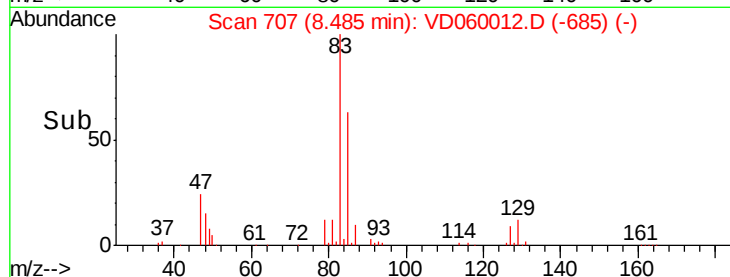
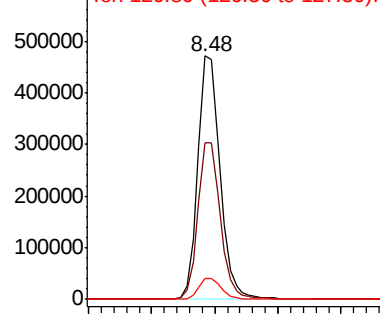
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.42 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

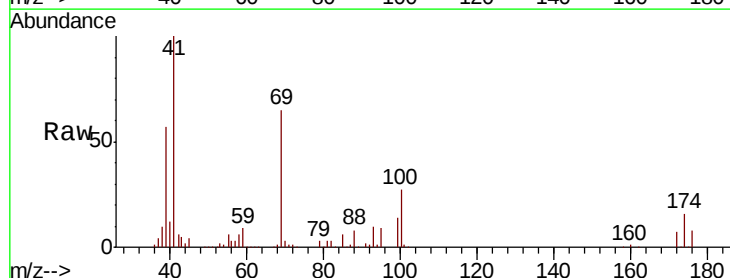
Tgt Ion: 41 Resp: 590937

Ion Ratio Lower Upper

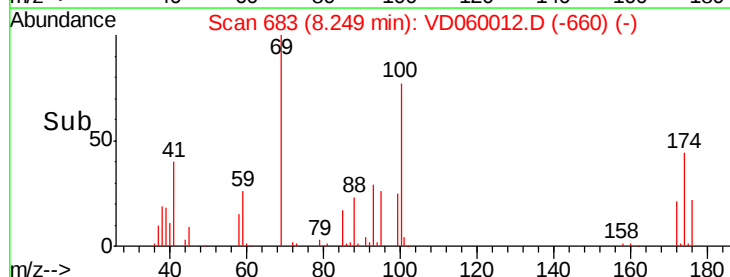
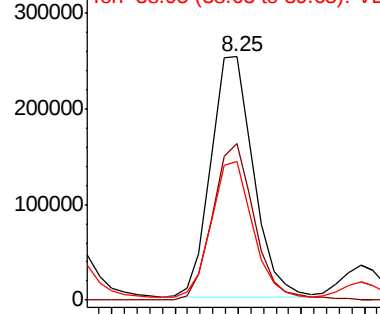
41 100

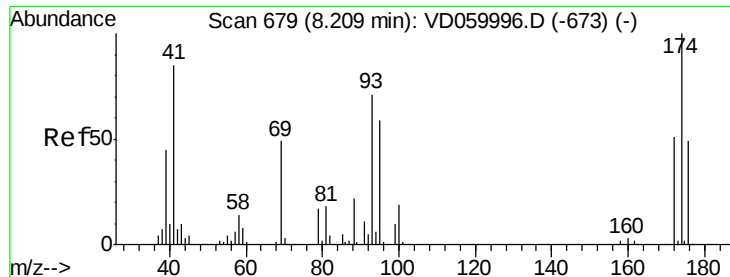
69 64.5 48.3 72.5

39 57.0 44.1 66.1



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





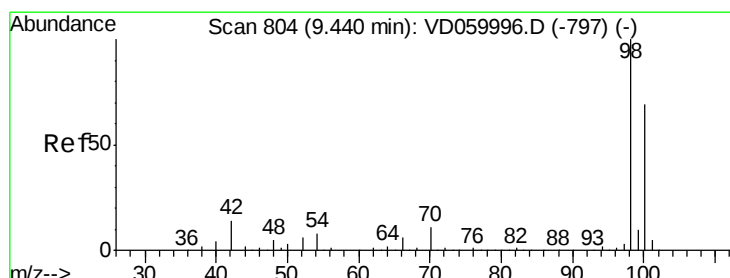
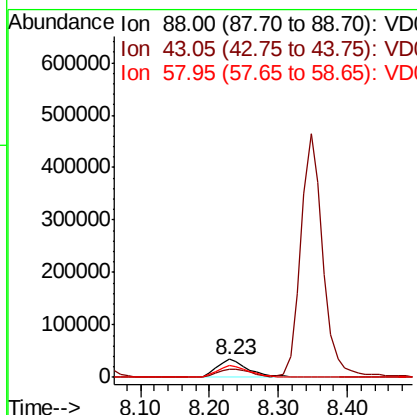
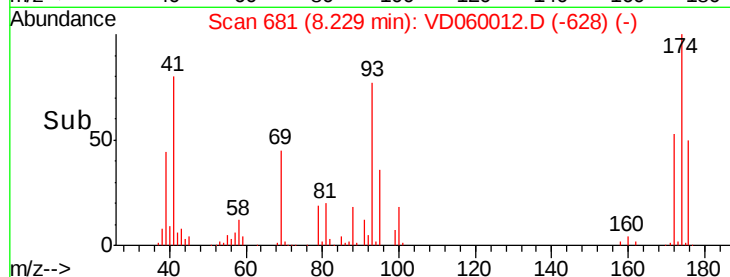
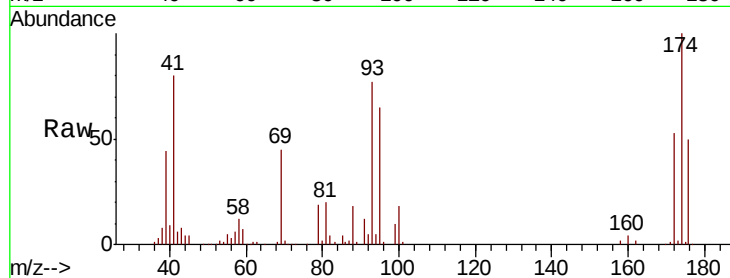
#49
1,4-Dioxane
Concen: 932.61 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 110772
Ion Ratio Lower Upper
88 100
43 46.0 36.2 54.2
58 64.6 51.0 76.6

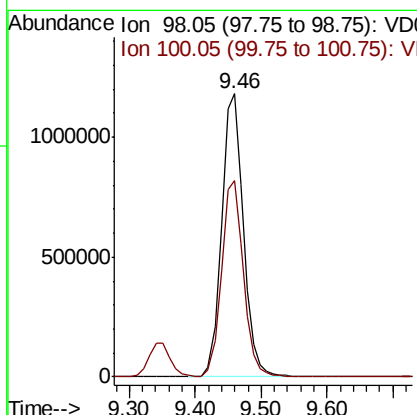
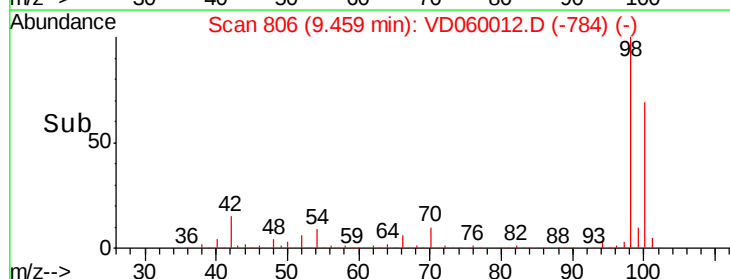
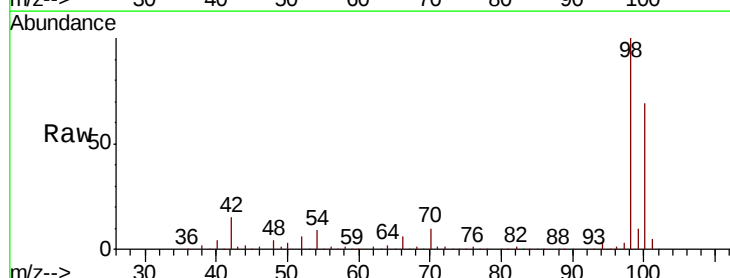
Manual Integrations
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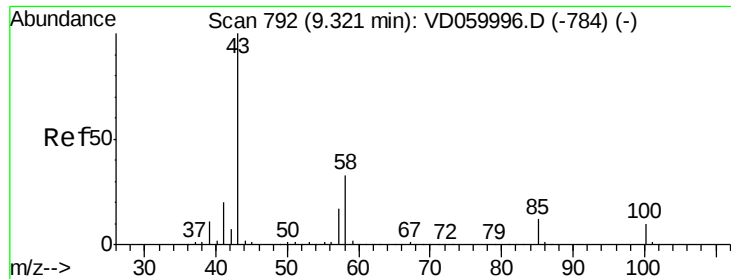
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#50
Toluene-d8
Concen: 932.61 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 98 Resp: 2728428
Ion Ratio Lower Upper
98 100
100 69.4 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 223.56 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3207543

Ion Ratio Lower Upper

43 100

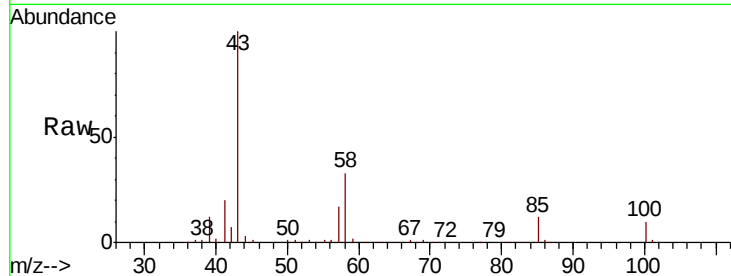
58 33.4 26.4 39.6

Manual Integrations

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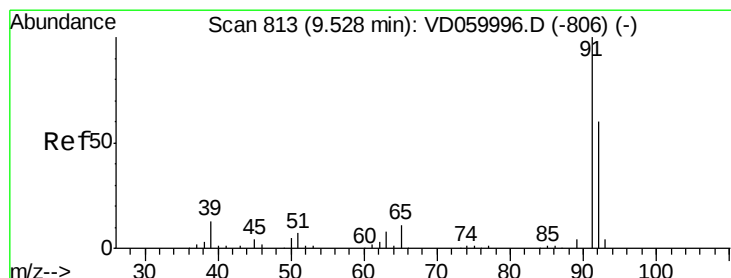
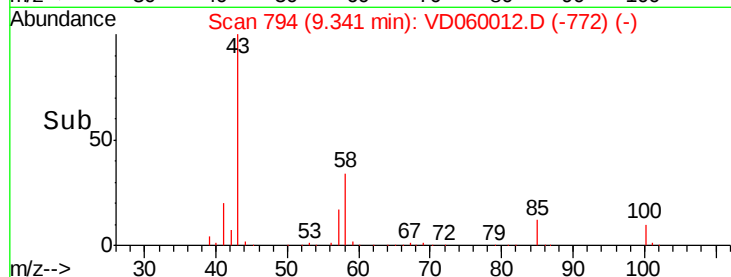
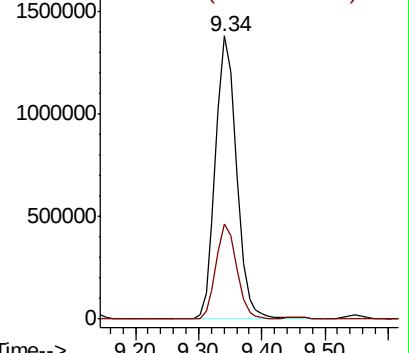
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.39 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060012.D

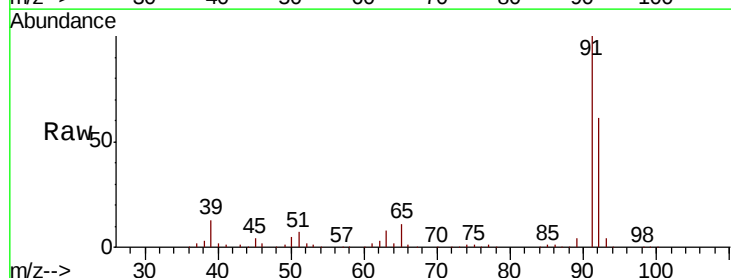
Acq: 17 Sep 2018 10:31

Tgt Ion: 92 Resp: 1995902

Ion Ratio Lower Upper

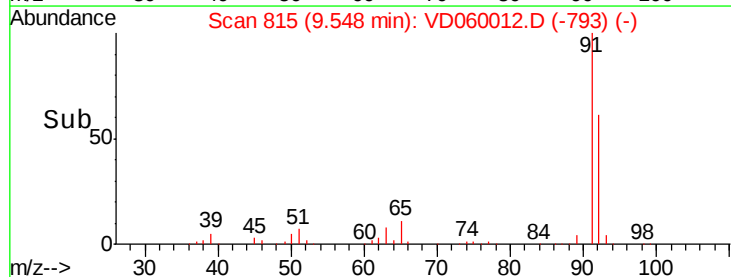
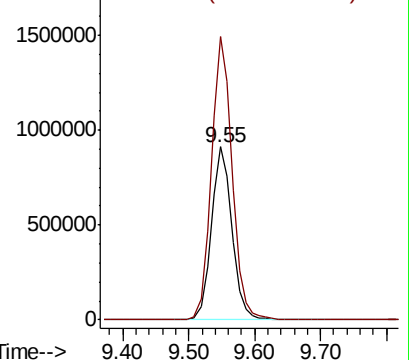
92 100

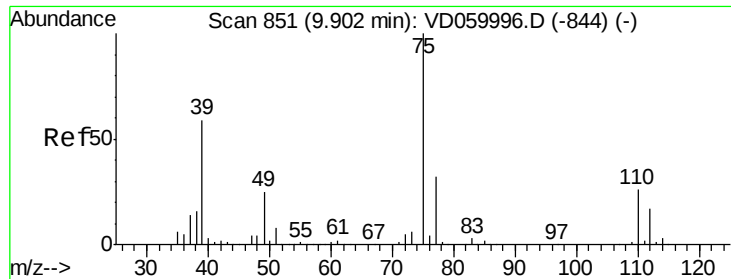
91 163.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





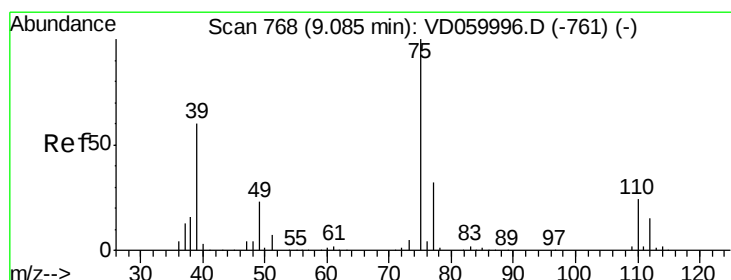
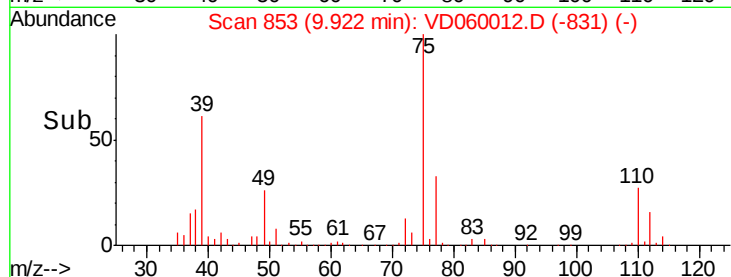
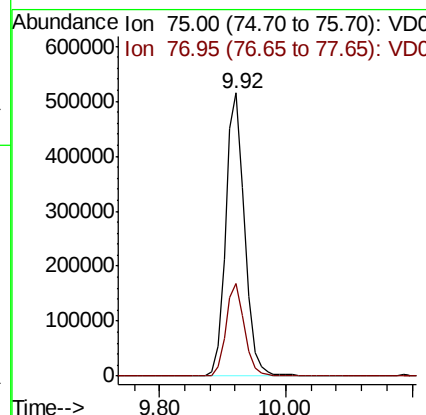
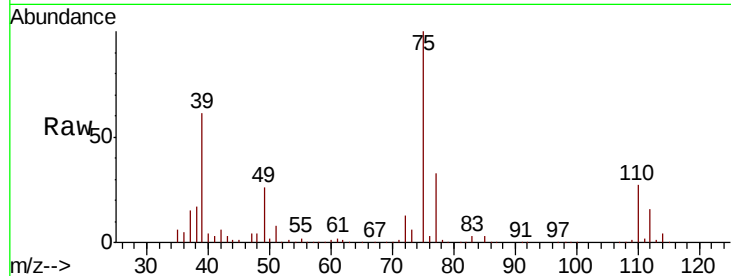
#53
t-1,3-Dichloropropene
Concen: 51.35 ug/l
RT: 9.92 min Scan# 853
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1070779
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4

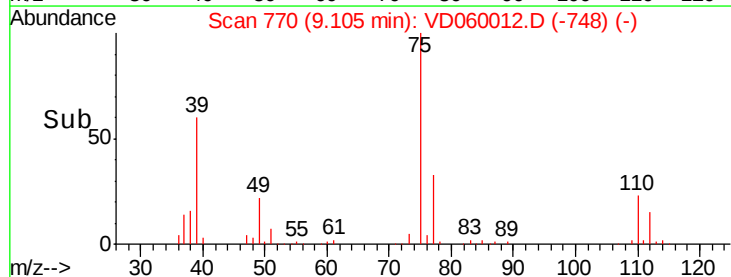
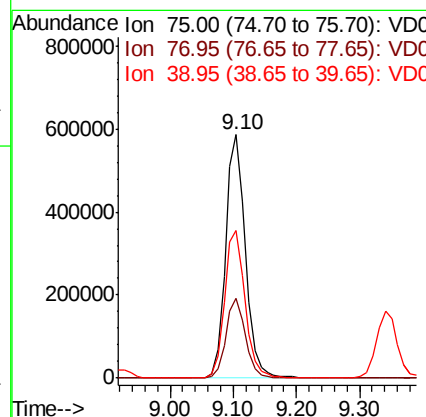
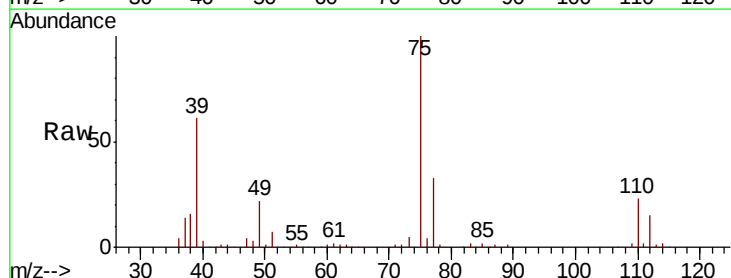
Manual Integrations
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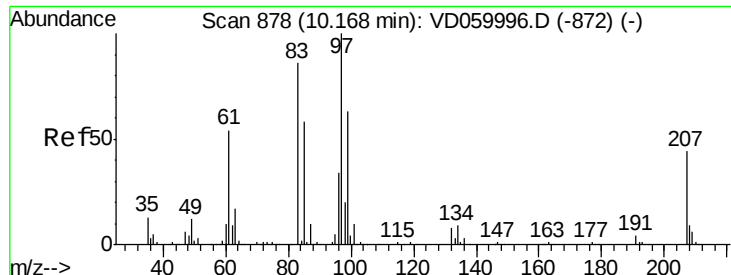
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#54
cis-1,3-Dichloropropene
Concen: 51.36 ug/l
RT: 9.10 min Scan# 770
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 1279511
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
39 60.5 48.0 72.0





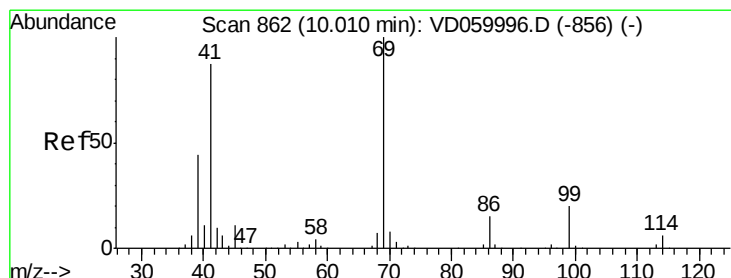
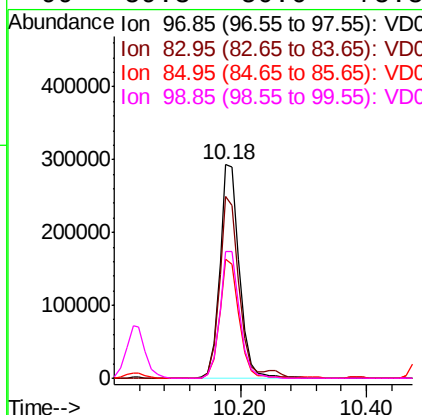
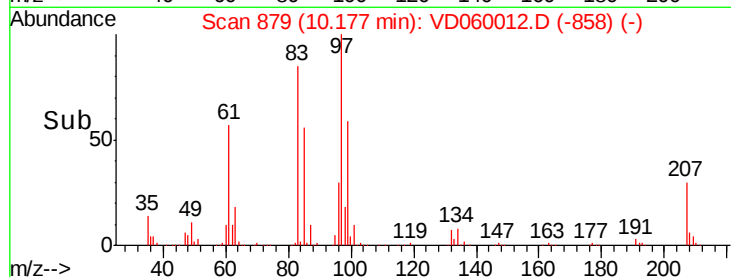
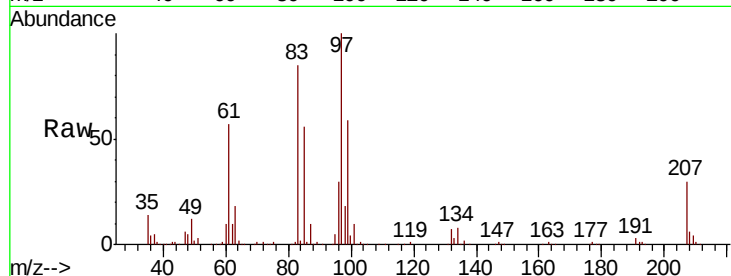
#55
 1,1,2-Trichloroethane
 Concen: 48.14 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	636774
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.1	103.7
85	55.8	46.2	69.4
99	59.3	50.6	75.8

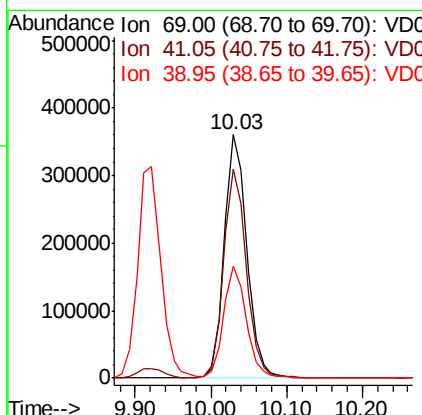
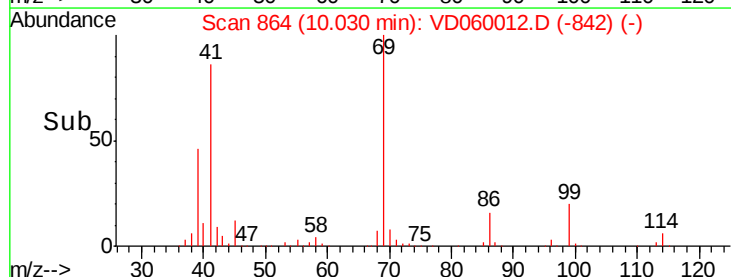
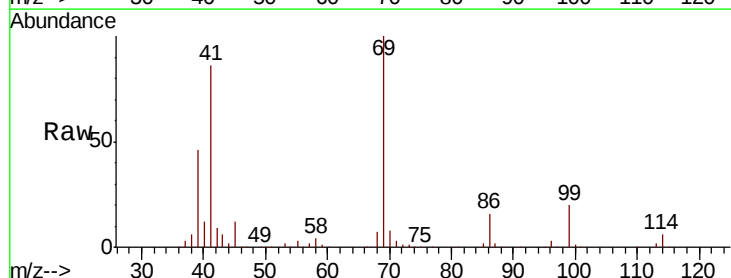
Manual Integrations
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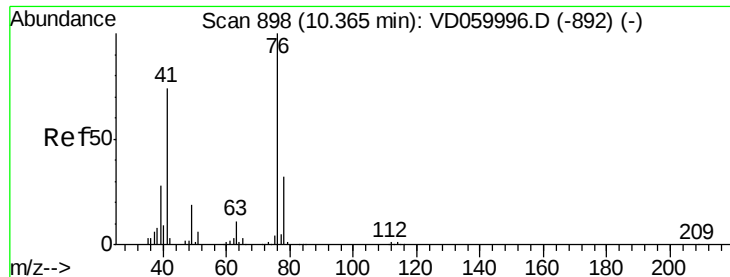
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#56
 Ethyl methacrylate
 Concen: 50.91 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion:	69	Resp:	746923
Ion	Ratio	Lower	Upper
69	100		
41	86.1	70.1	105.1
39	46.1	36.5	54.7





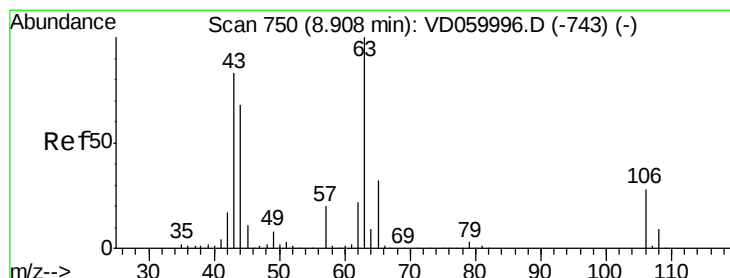
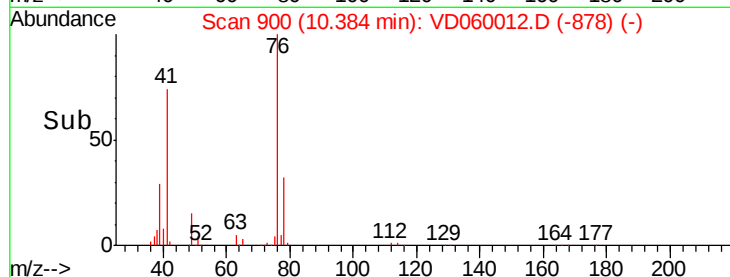
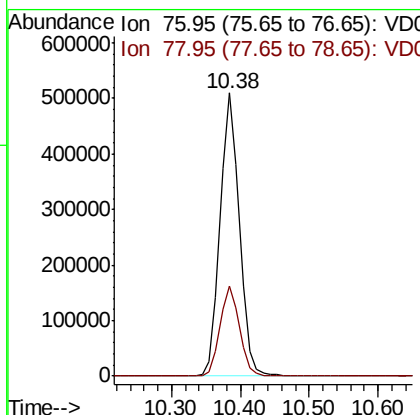
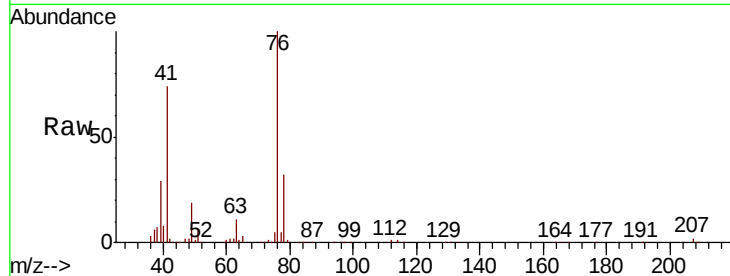
#57
 1,3-Dichloropropane
 Concen: 50.68 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 989635
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

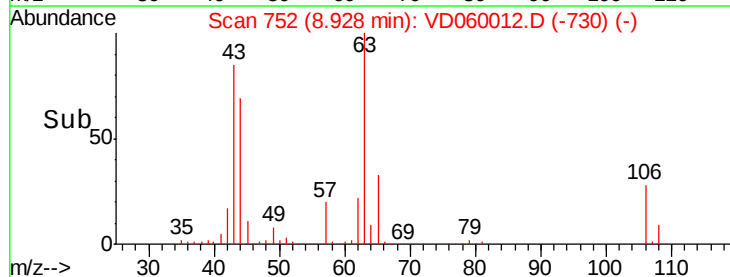
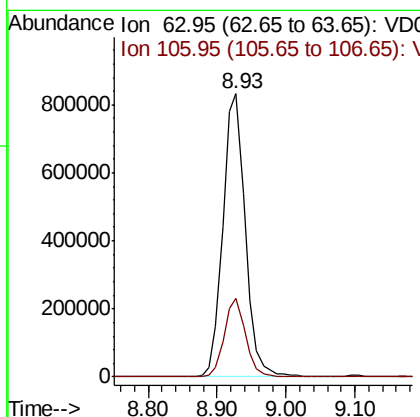
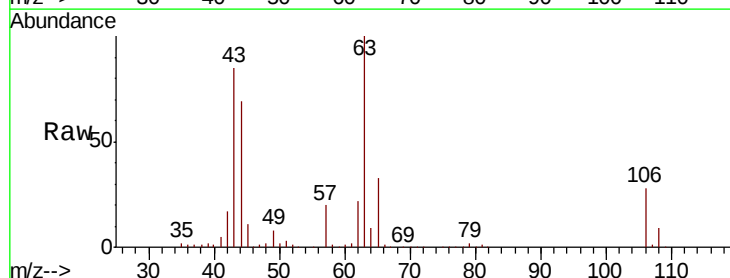
Manual Integrations
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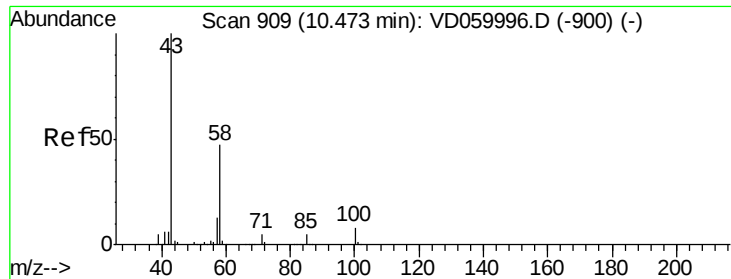
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 263.49 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 63 Resp: 1866870
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.0 33.0





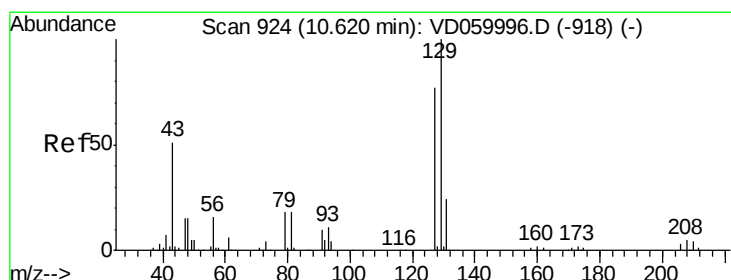
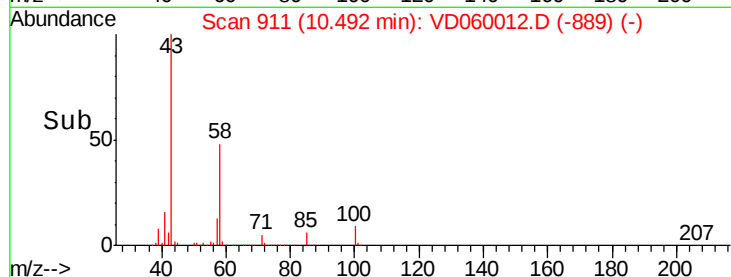
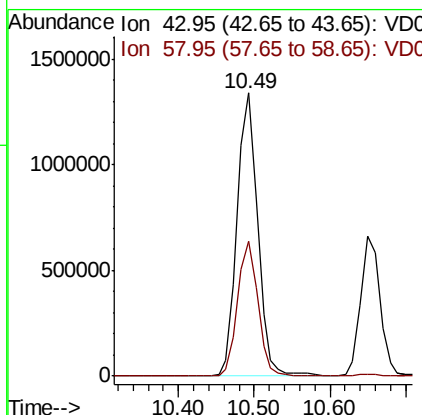
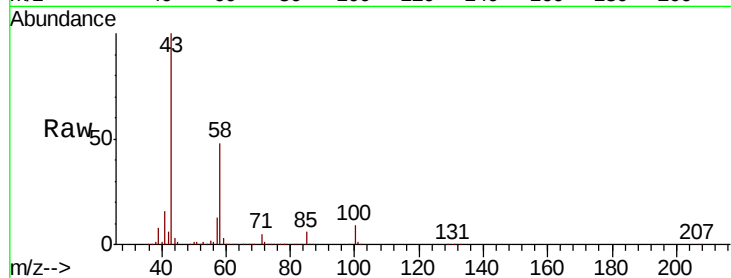
#59
2-Hexanone
Concen: 249.17 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2517066
Ion Ratio Lower Upper
43 100
58 47.7 23.4 70.0

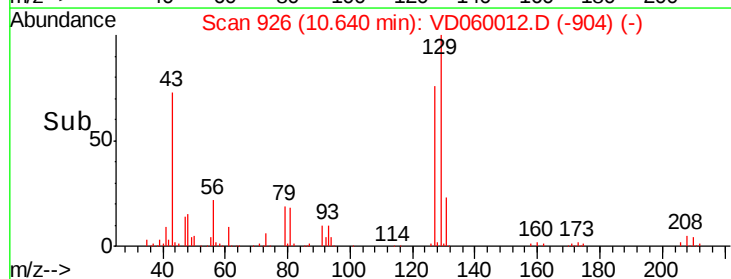
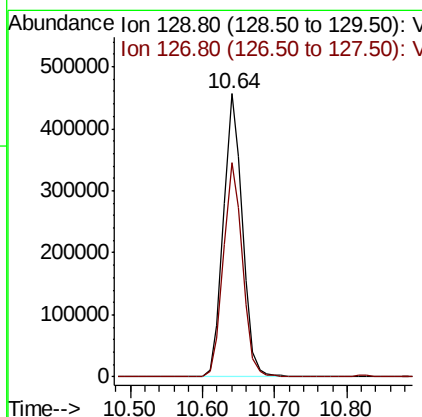
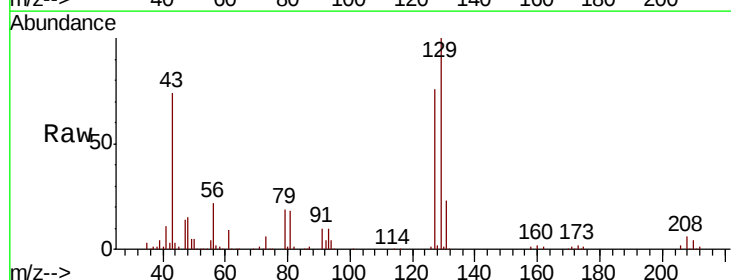
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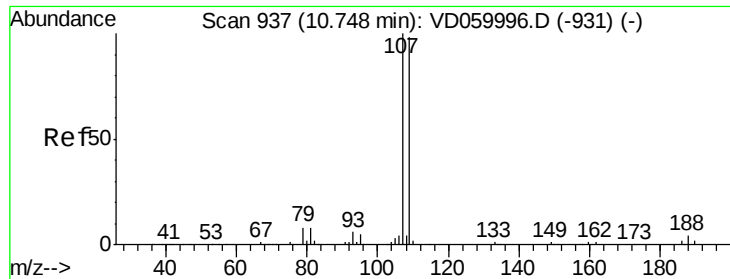
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#60
Dibromochloromethane
Concen: 51.73 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 129 Resp: 832850
Ion Ratio Lower Upper
129 100
127 75.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.54 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 690274

Ion Ratio Lower Upper

107 100

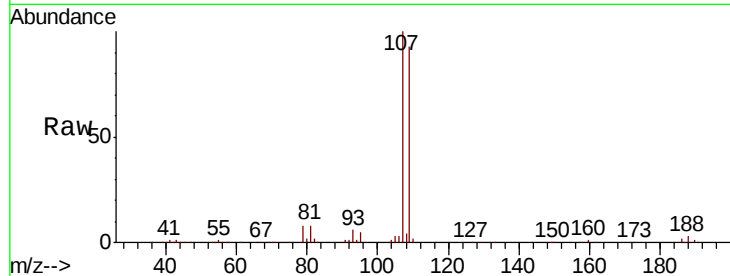
109 92.9 78.2 117.2

Manual Integrations

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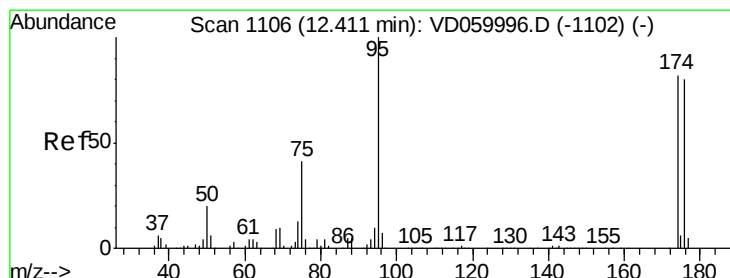
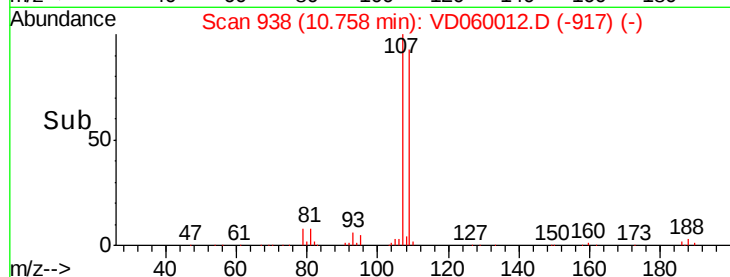
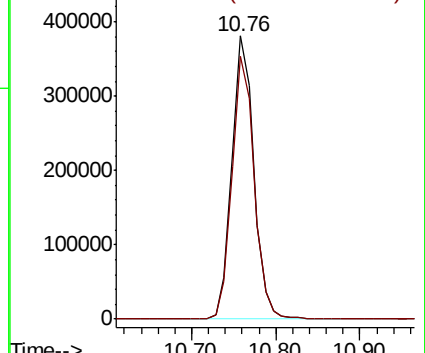
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.54 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

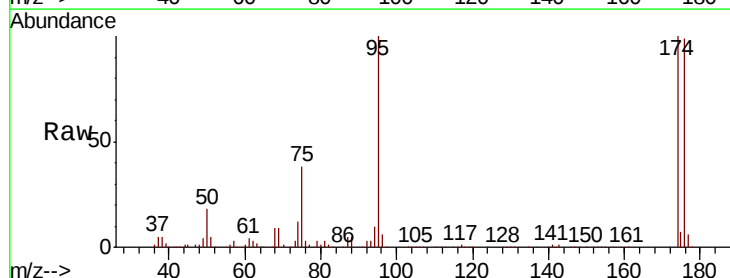
Tgt Ion: 95 Resp: 1045742

Ion Ratio Lower Upper

95 100

174 100.4 0.0 165.0

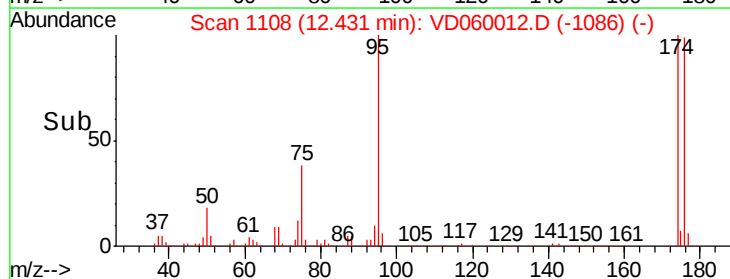
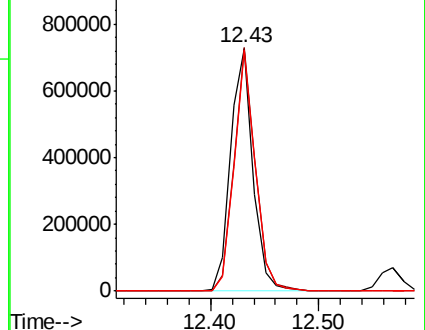
176 99.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





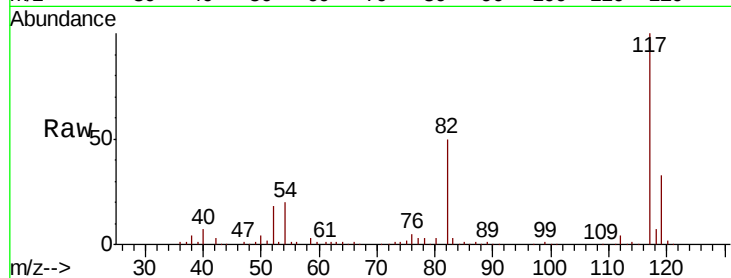
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.7	62.5
119	32.7	26.0	39.0

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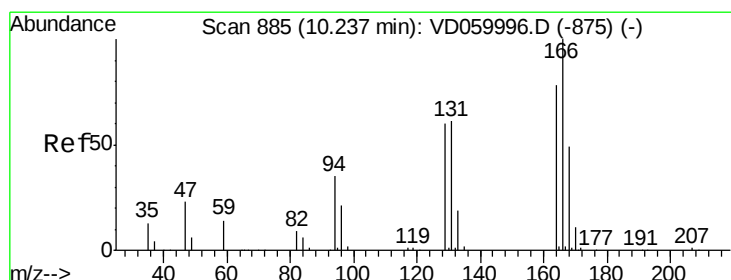
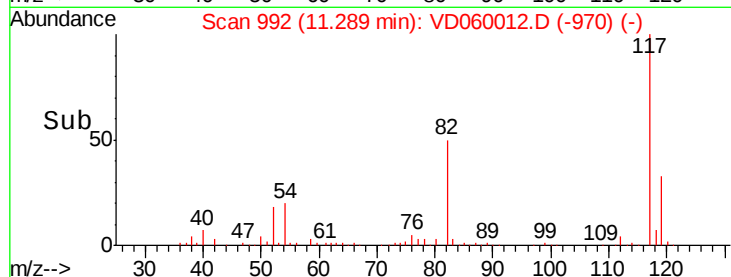
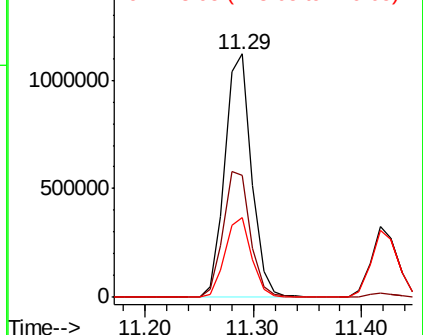


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 51.45 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.0	154.6
129	76.6	61.9	92.9
131	75.2	62.6	93.8

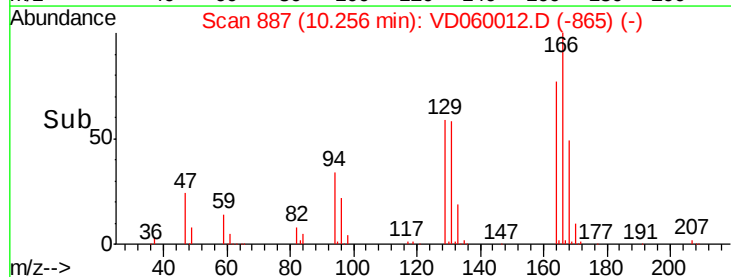
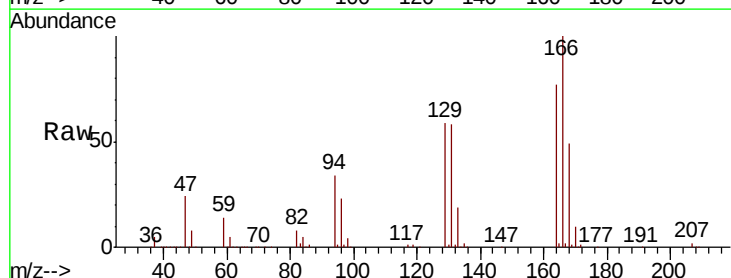
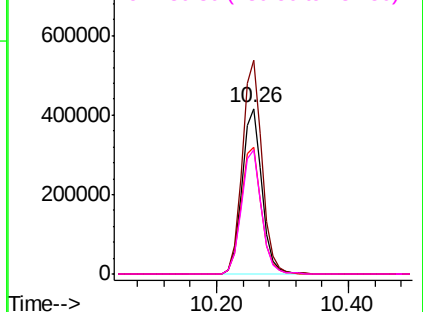
Abundance

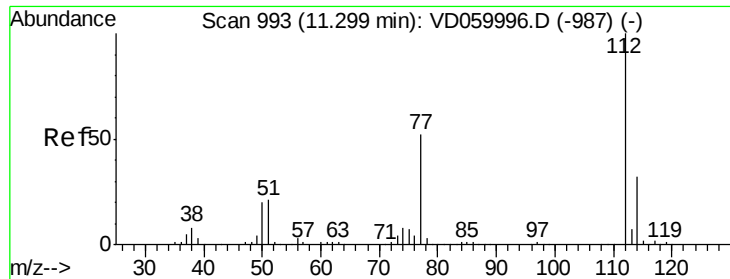
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





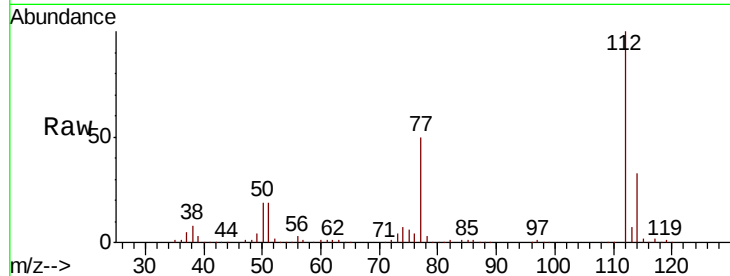
#65
Chlorobenzene
Concen: 51.72 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

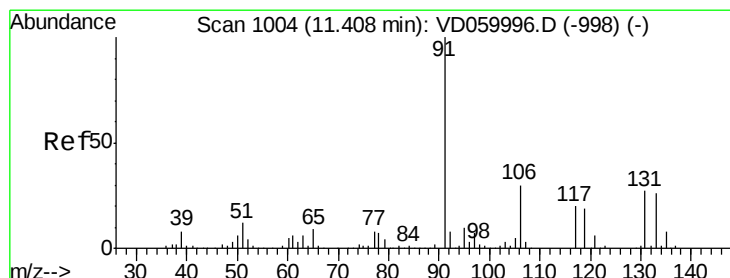
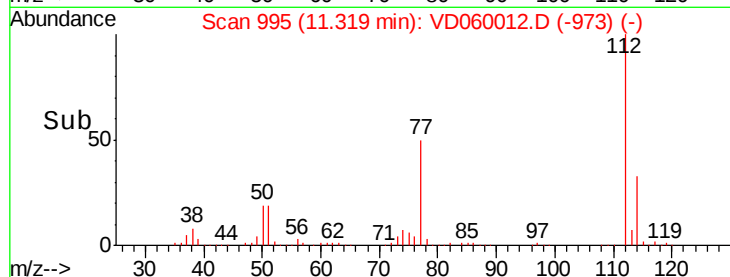
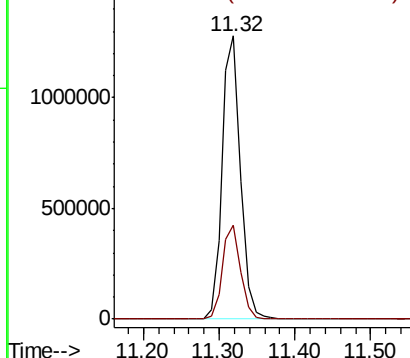
Tot Ion:112 Resp: 2149295
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9

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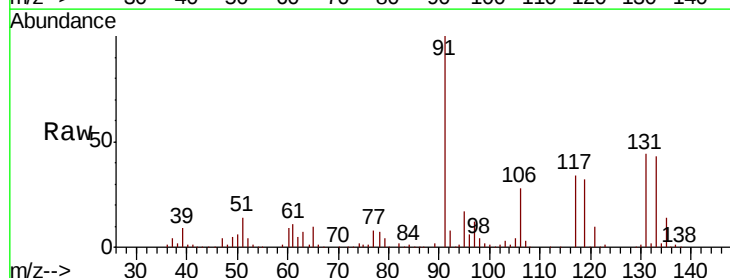


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

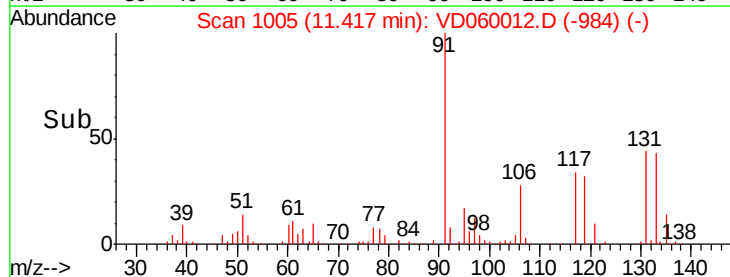
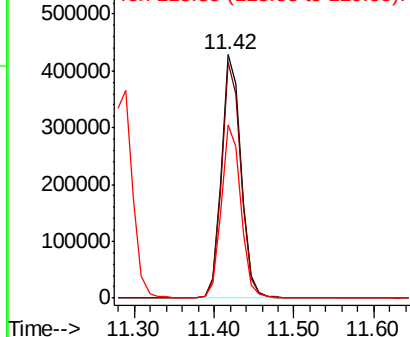


#66
1,1,1,2-Tetrachloroethane
Concen: 53.24 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:131 Resp: 746283
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 71.3 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V





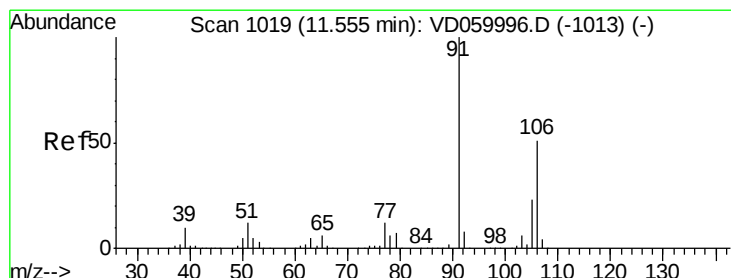
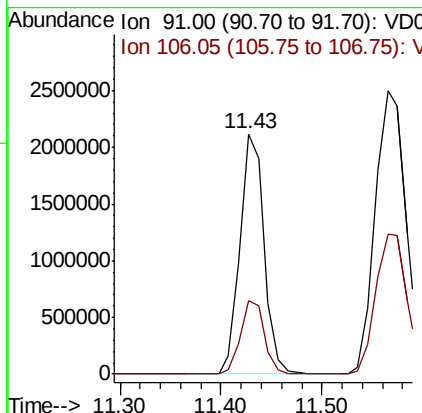
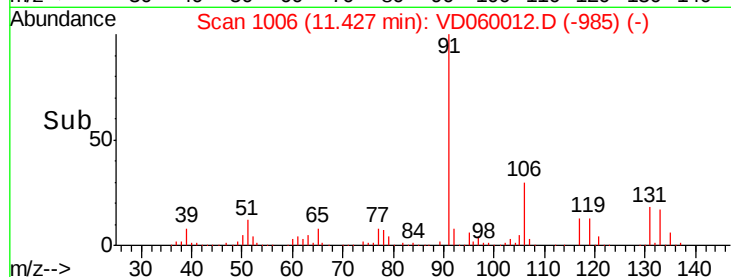
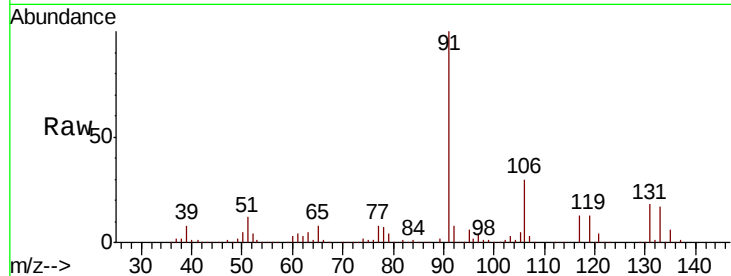
#67
Ethyl Benzene
Concen: 52.60 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3517905
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2

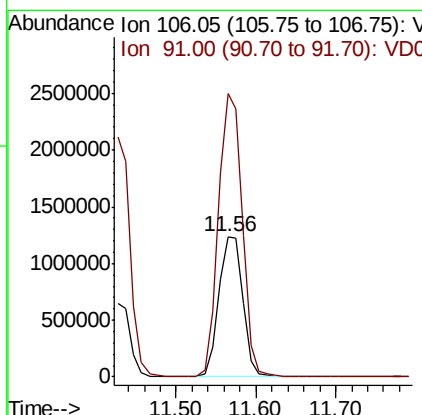
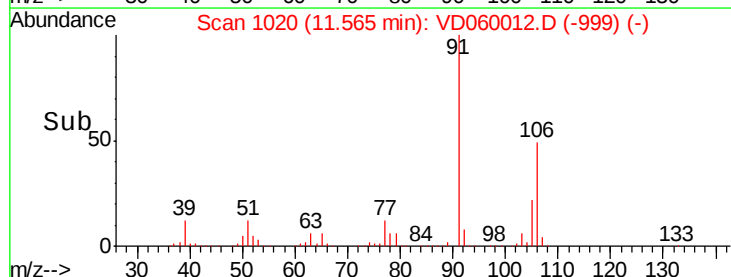
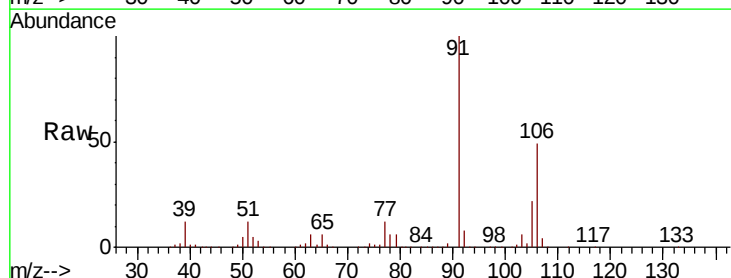
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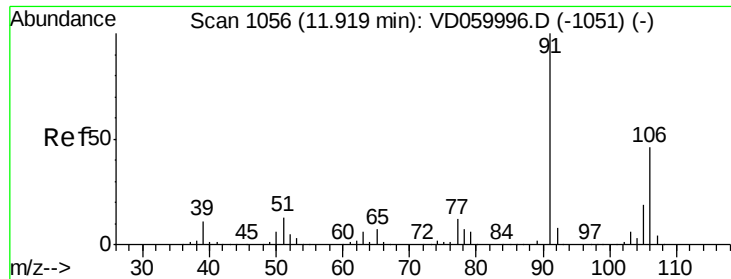
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#68
m/p-Xylenes
Concen: 106.29 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:106 Resp: 2625199
Ion Ratio Lower Upper
106 100
91 202.0 157.0 235.6





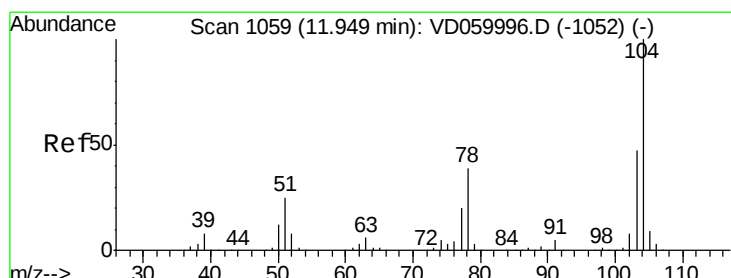
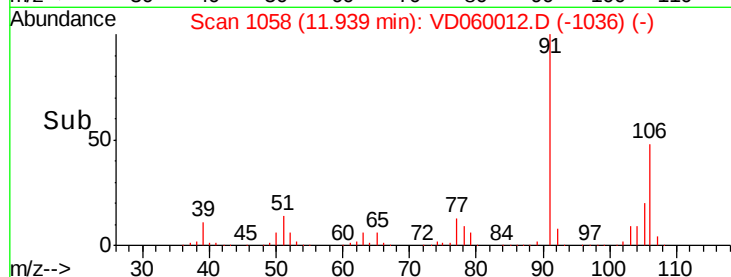
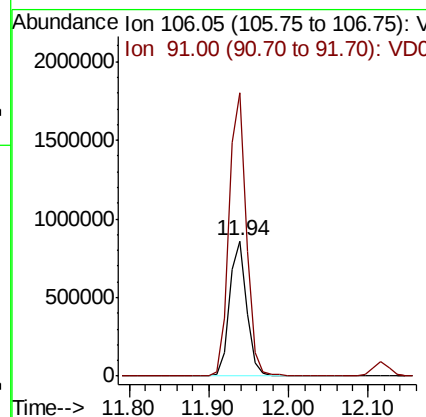
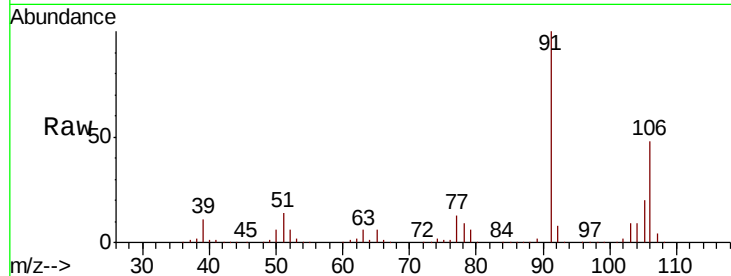
#69
o-Xylene
Concen: 53.32 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1304931
Ion Ratio Lower Upper
106 100
91 209.2 107.7 323.1

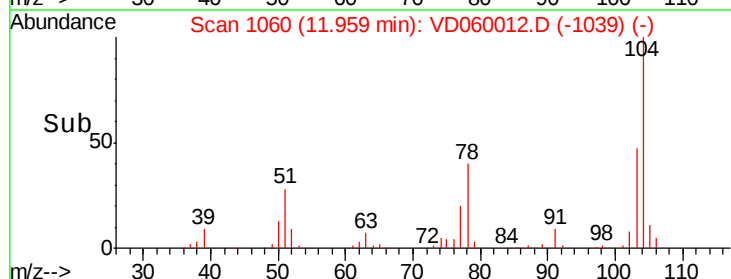
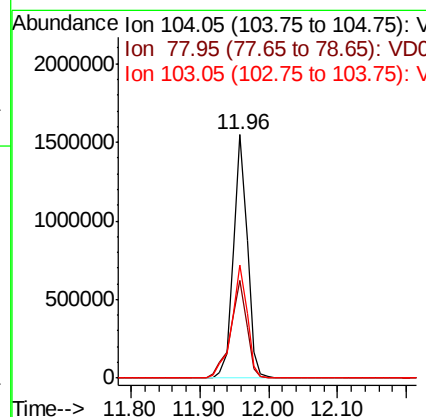
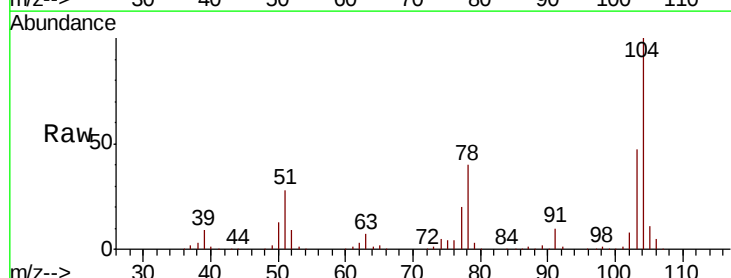
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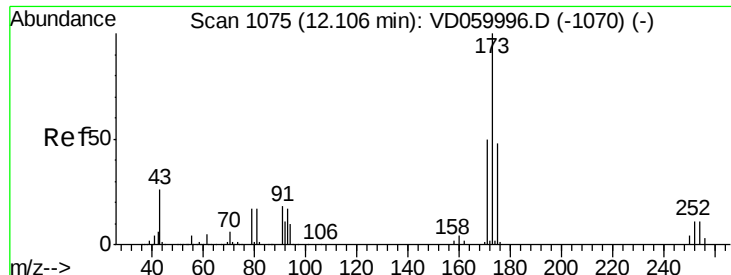
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#70
Styrene
Concen: 52.48 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:104 Resp: 2159616
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.4
103 46.7 37.6 56.4





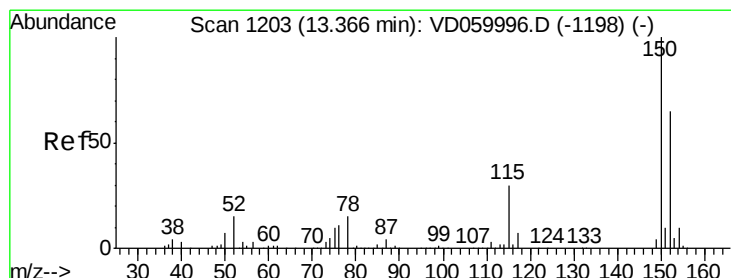
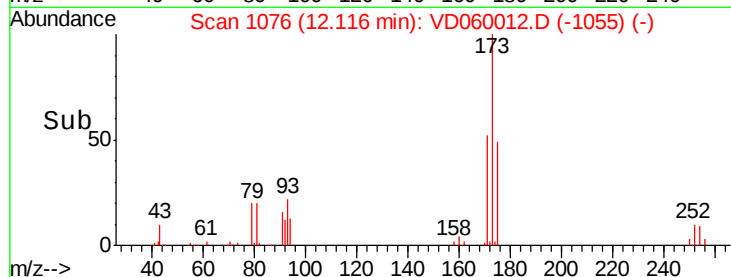
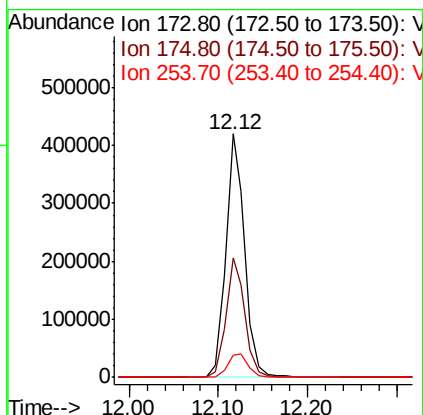
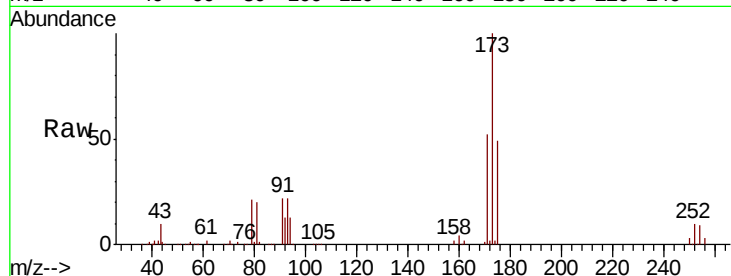
#71
Bromoform
Concen: 51.93 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.0	72.0
254	9.1	8.6	13.0

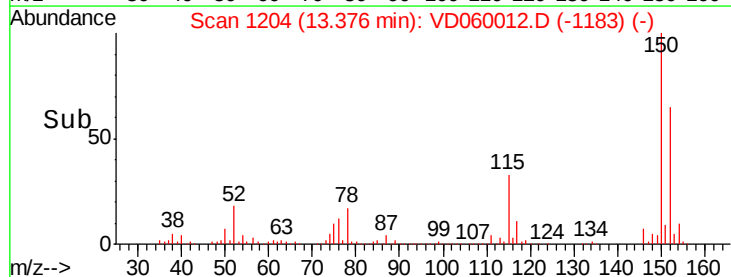
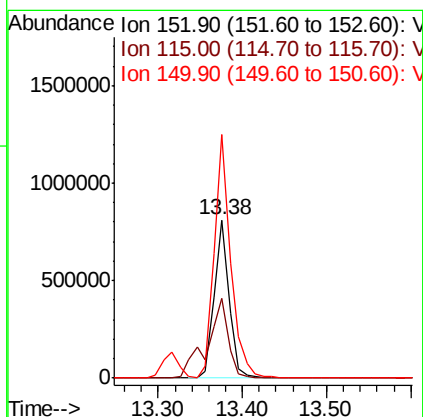
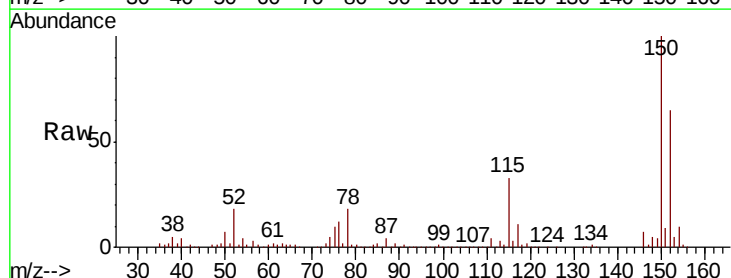
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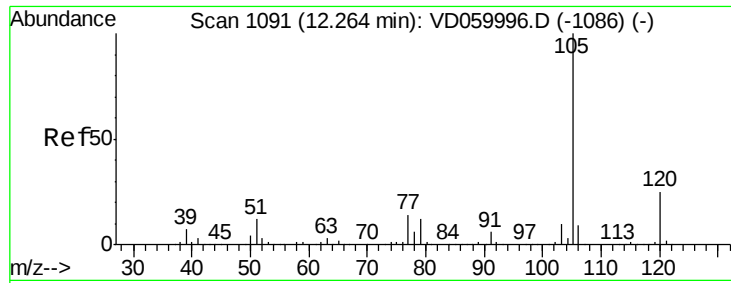
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.8	24.6	73.8
150	154.0	0.0	313.4





#73

Isopropylbenzene

Concen: 53.24 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3452057

Ion Ratio Lower Upper

105 100

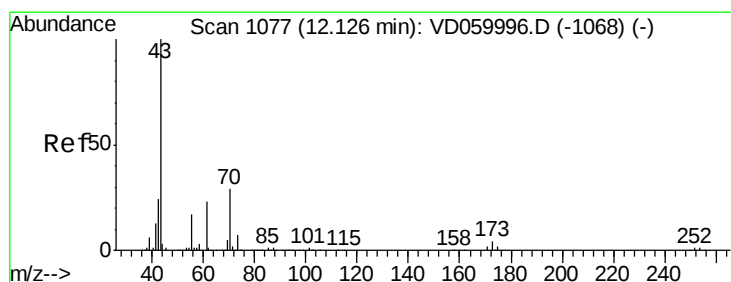
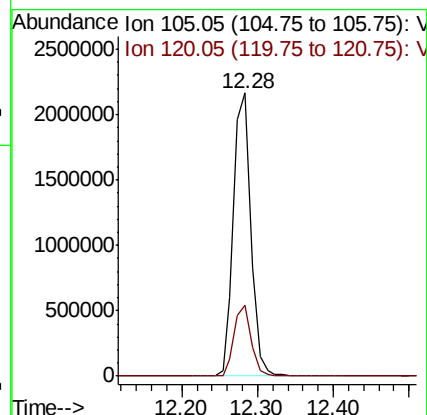
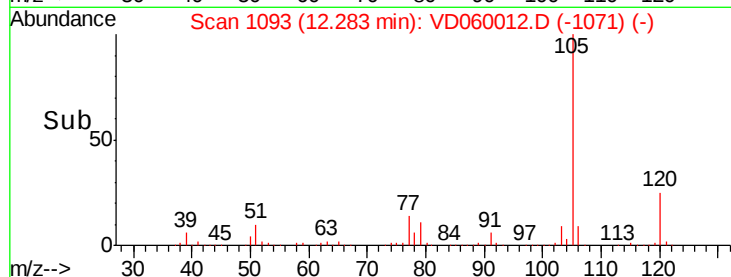
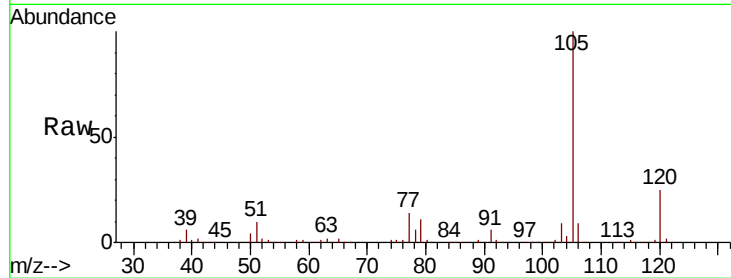
120 25.1 12.3 36.9

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#74

N-ethyl acetate

Concen: 51.73 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion: 43 Resp: 1328647

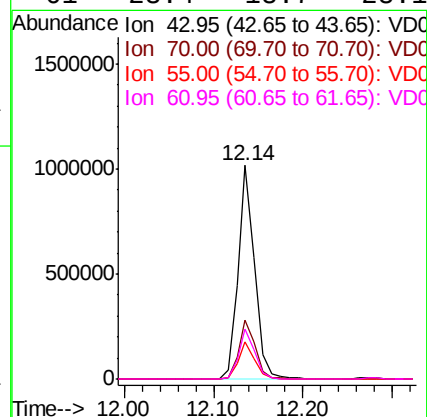
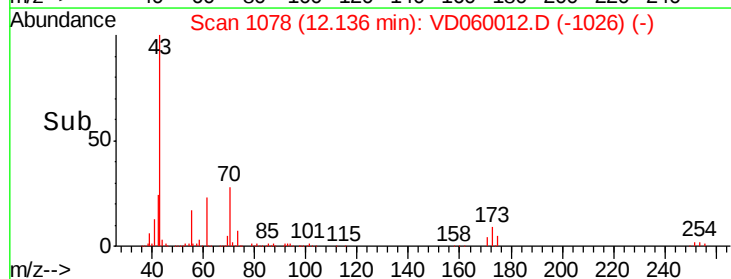
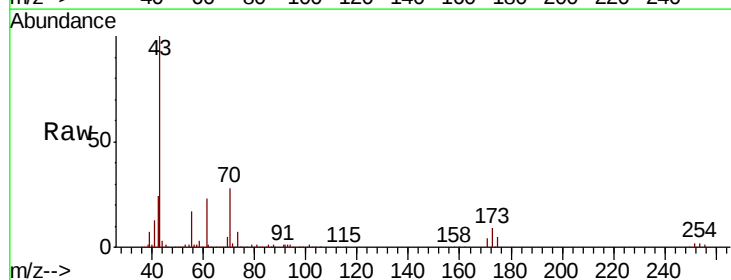
Ion Ratio Lower Upper

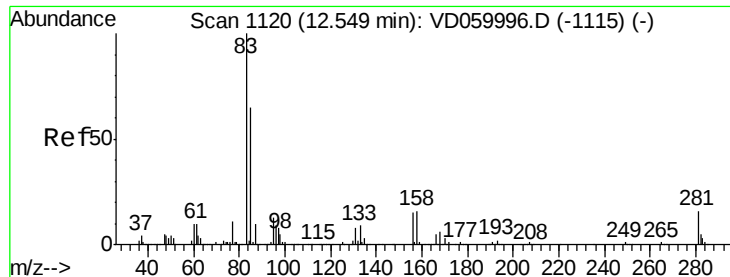
43 100

70 27.9 22.9 34.3

55 17.2 14.0 21.0

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.83 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 747705

Ion Ratio Lower Upper

83 100

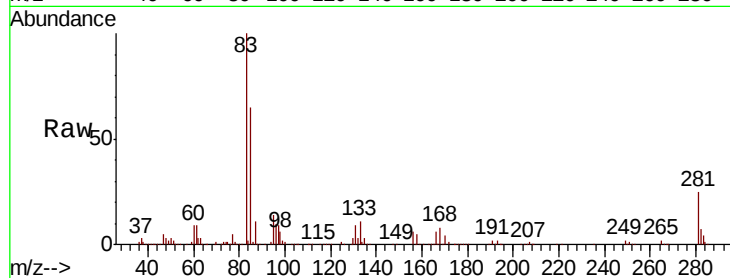
131 9.0 4.1 12.3

85 65.1 32.4 97.2

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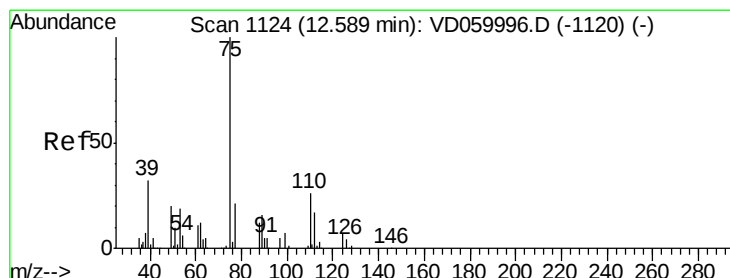
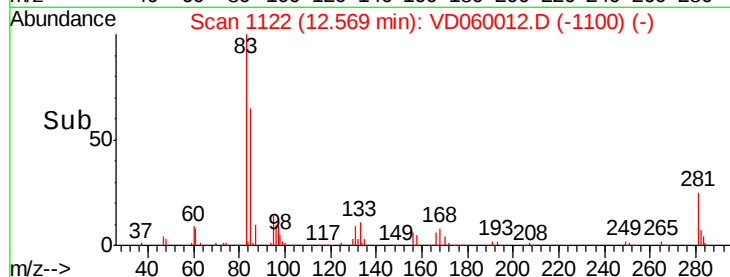
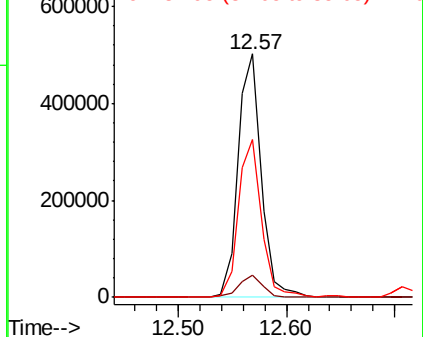
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.91 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060012.D

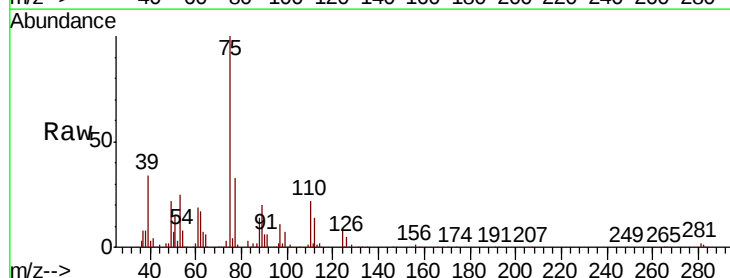
Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 768785

Ion Ratio Lower Upper

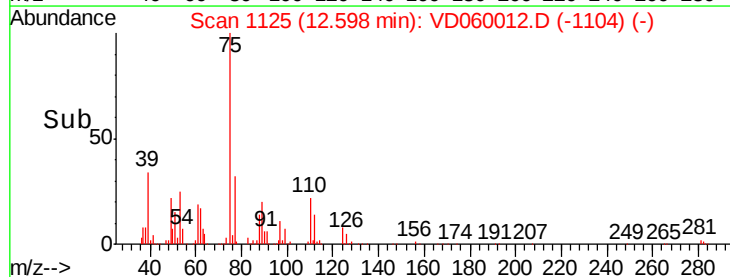
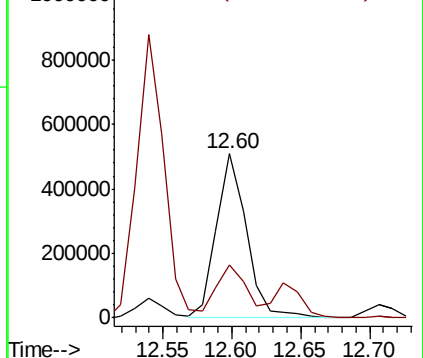
75 100

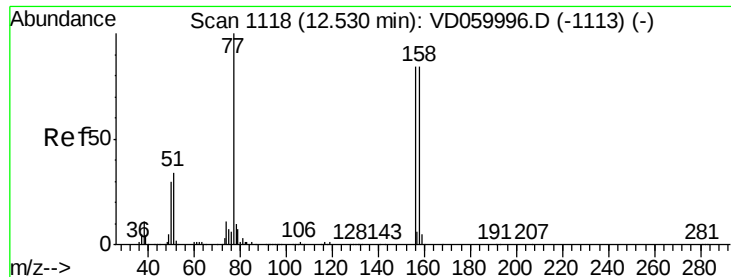
77 32.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.90 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1006782

Ion Ratio Lower Upper

156 100

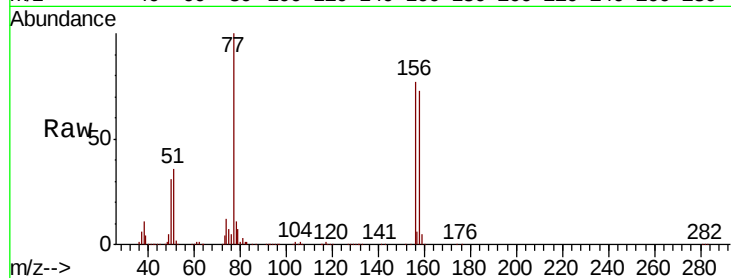
77 130.3 59.5 178.4

158 95.5 50.0 149.8

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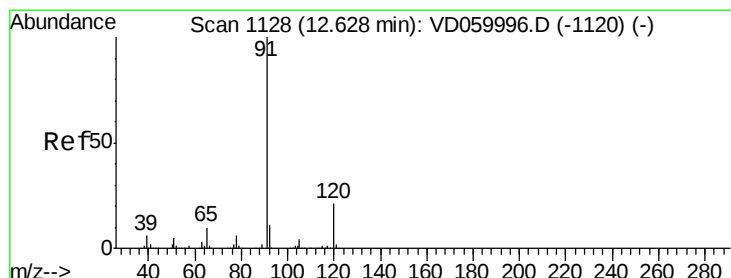
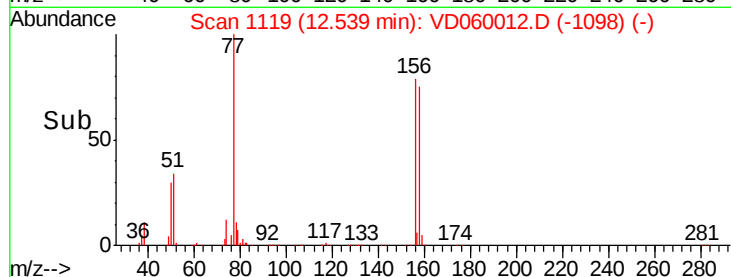
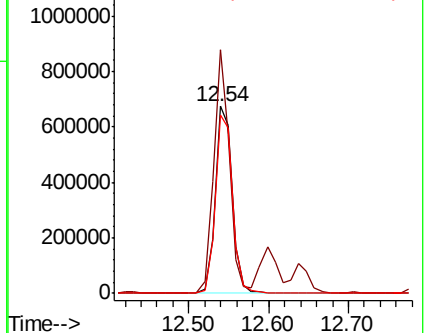
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.51 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060012.D

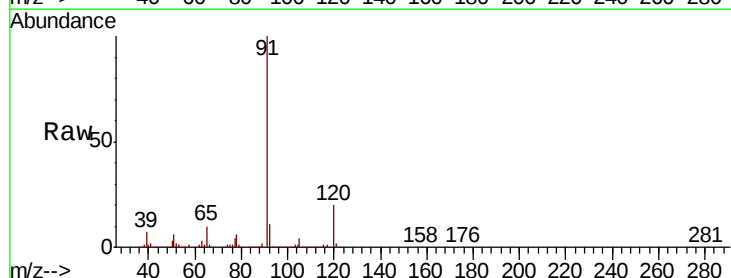
Acq: 17 Sep 2018 10:31

Tgt Ion: 91 Resp: 4200228

Ion Ratio Lower Upper

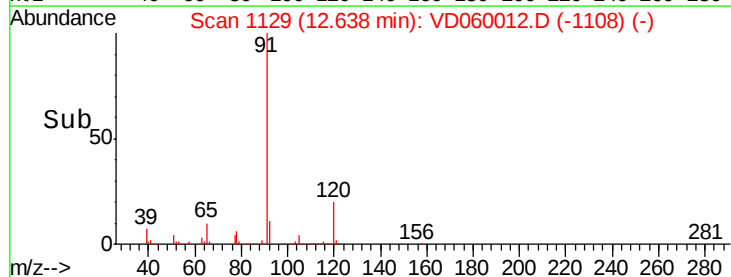
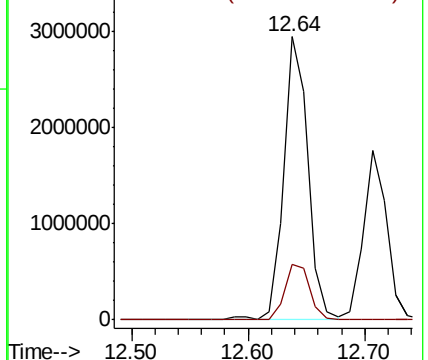
91 100

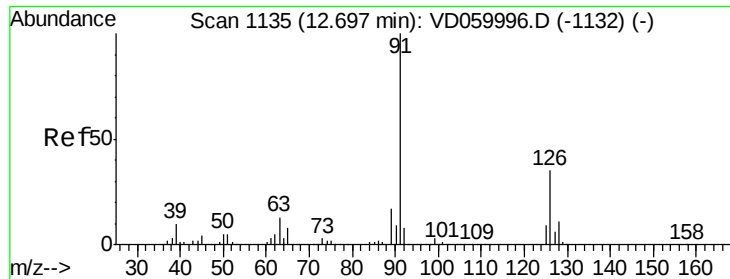
120 19.6 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





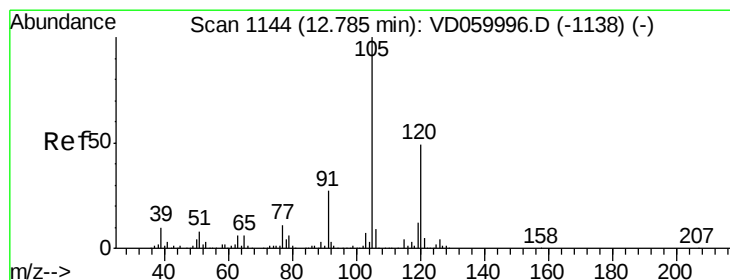
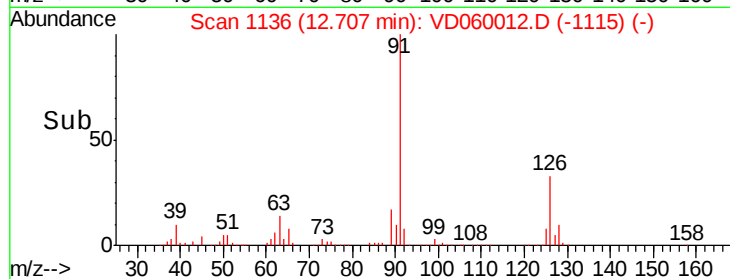
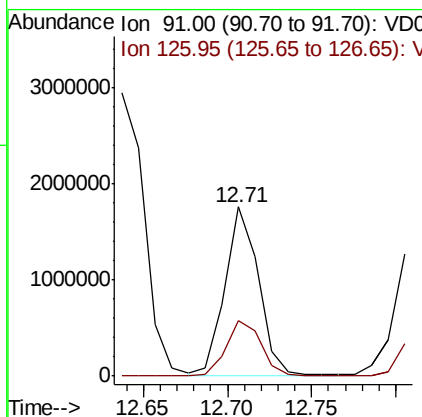
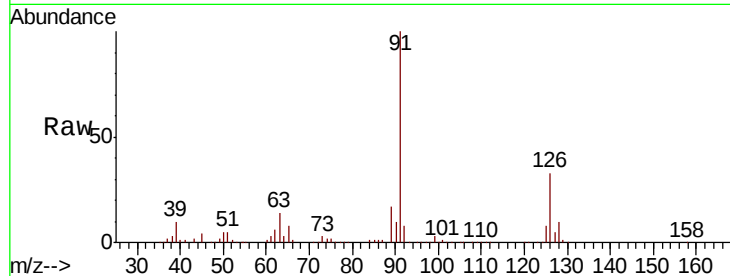
#79
2-Chlorotoluene
Concen: 52.75 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2427775
Ion Ratio Lower Upper
91 100
126 32.8 17.3 52.0

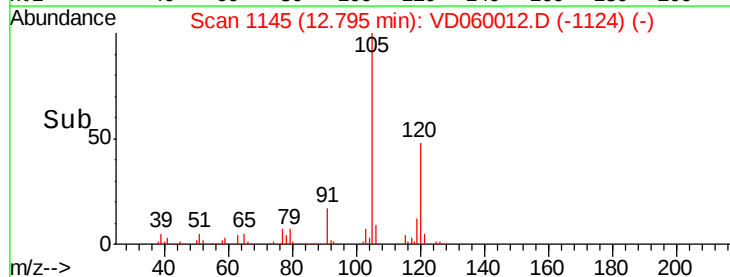
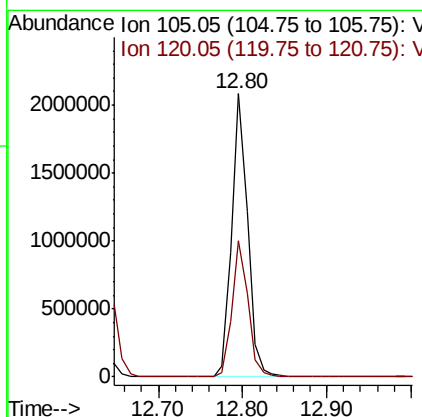
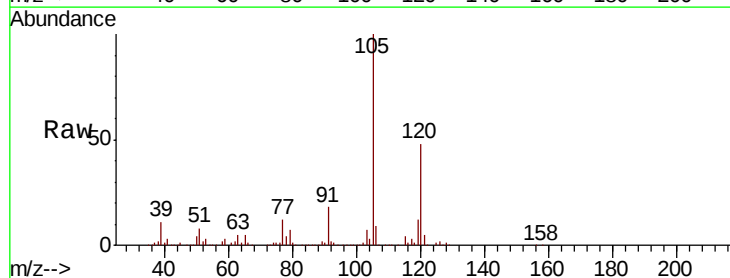
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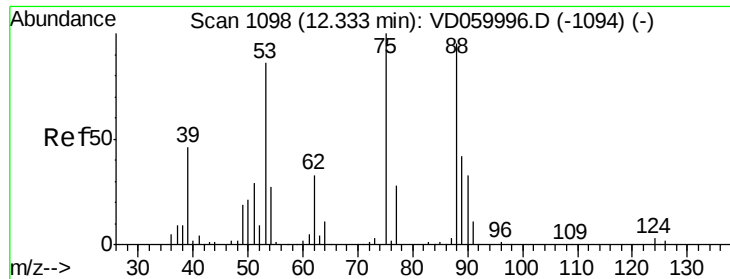
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#80
1,3,5-Trimethylbenzene
Concen: 54.96 ug/l
RT: 12.80 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 105 Resp: 2731307
Ion Ratio Lower Upper
105 100
120 48.2 24.4 73.2





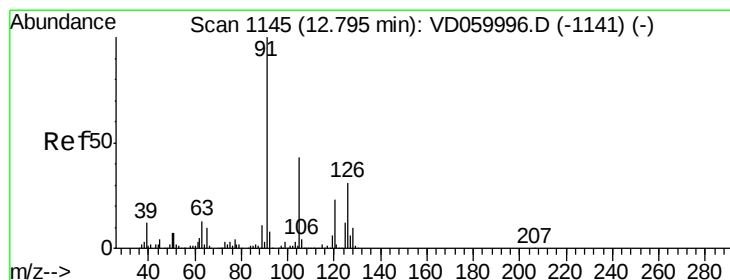
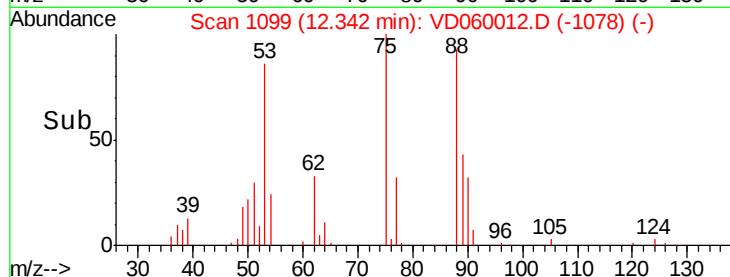
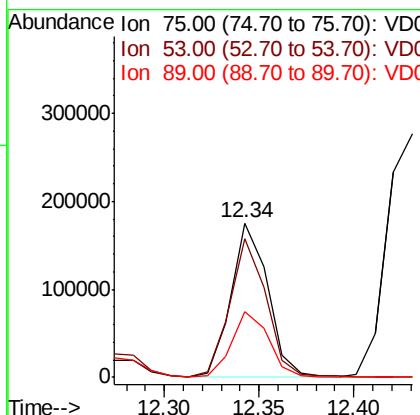
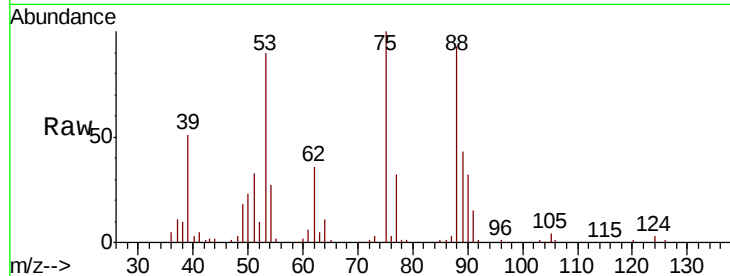
#81
trans-1,4-Dichloro-2-butene
Concen: 51.31 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	68.4	102.6
89	42.7	33.8	50.6

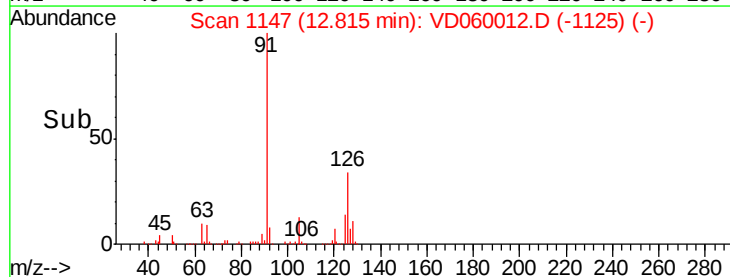
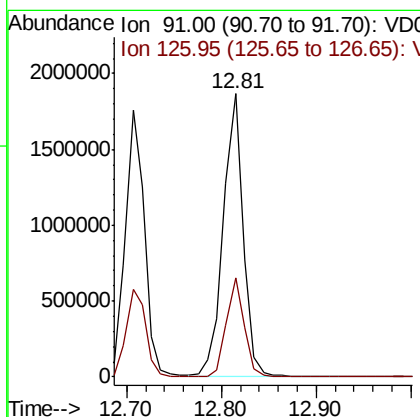
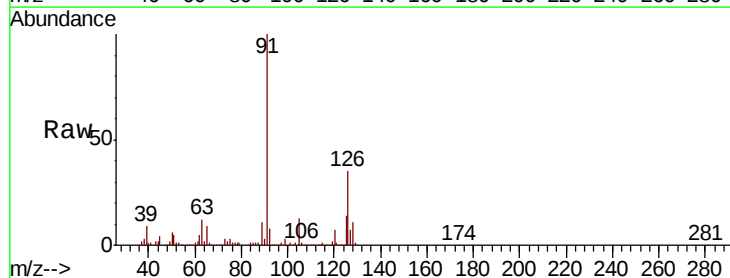
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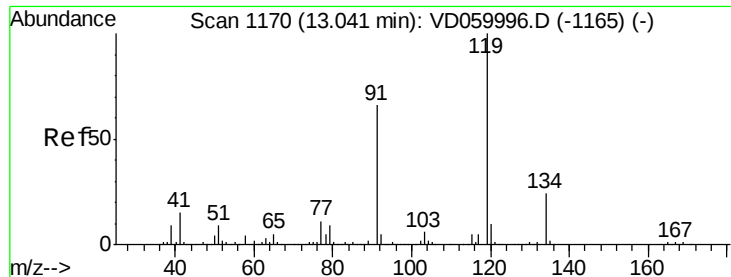
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#82
4-Chlorotoluene
Concen: 53.61 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	15.4	46.1





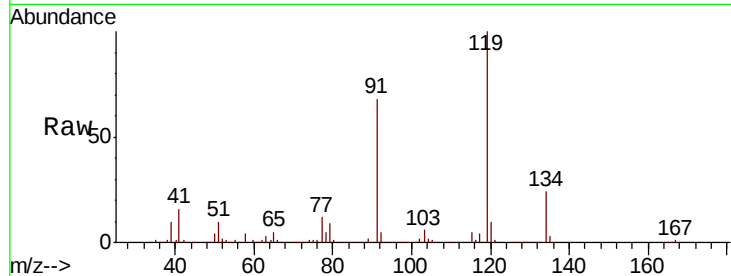
#83
tert-Butylbenzene
Concen: 54.65 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

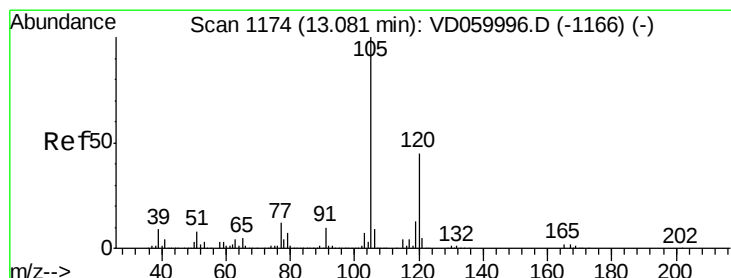
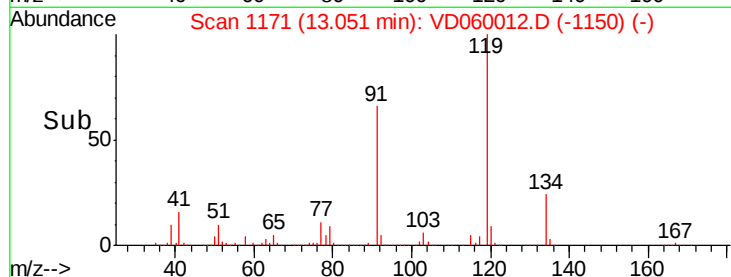
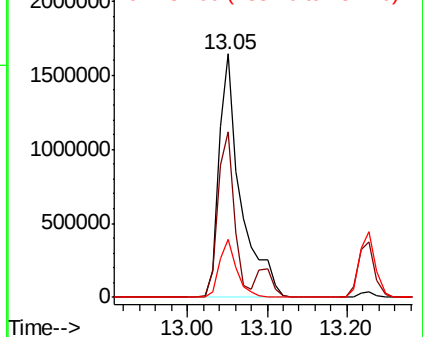
Tot Ion:119 Resp: 3146759
Ion Ratio Lower Upper
119 100
91 68.2 32.9 98.6
134 24.1 12.0 36.0

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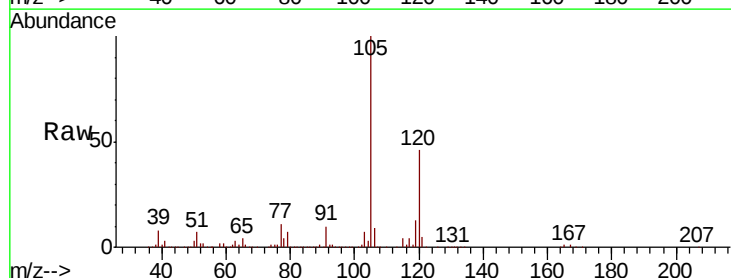


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

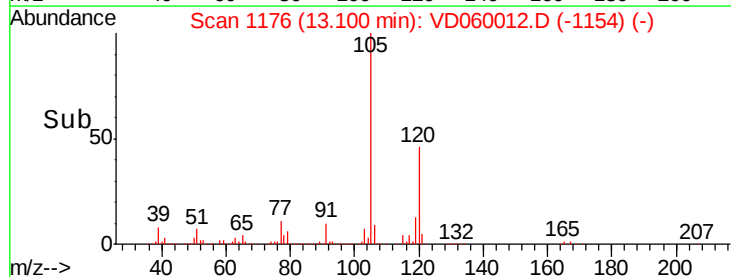
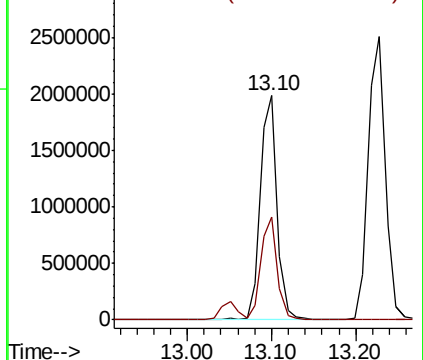


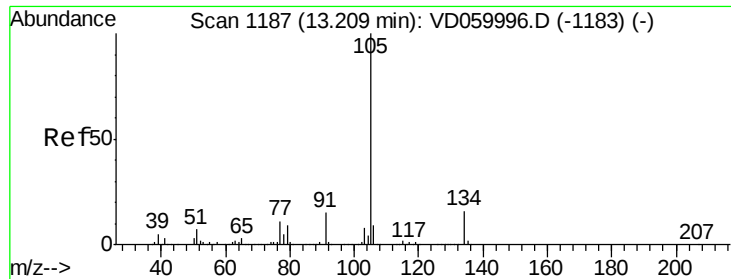
#84
1,2,4-Trimethylbenzene
Concen: 52.66 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:105 Resp: 2793057
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 51.62 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3528404

Ion Ratio Lower Upper

105 100

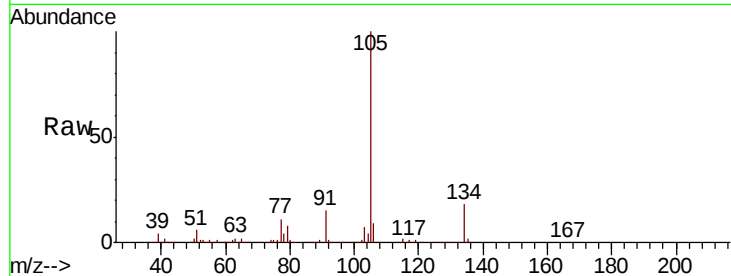
134 17.8 8.2 24.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.23

2500000

2000000

1500000

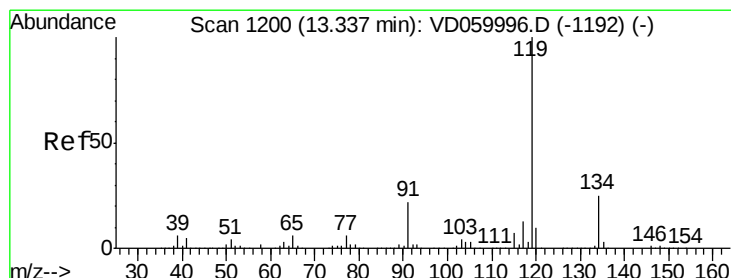
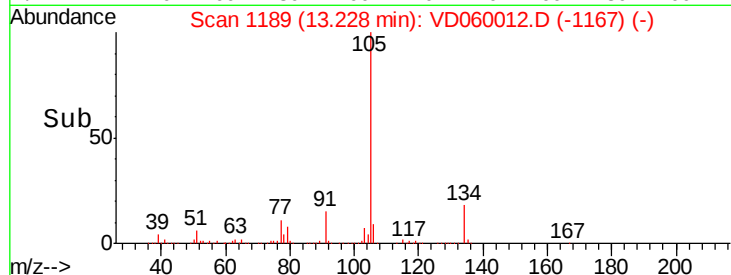
1000000

500000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 52.58 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

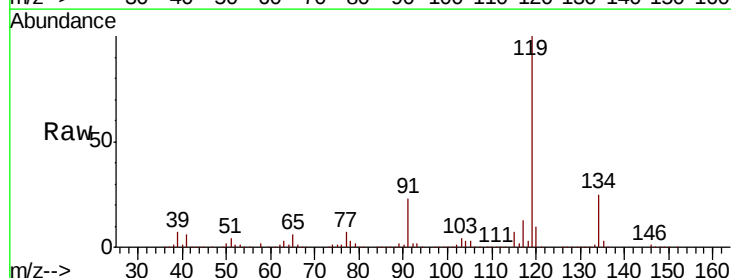
Tgt Ion:119 Resp: 2906342

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 23.3 11.1 33.3



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

13.35

3000000

2500000

2000000

1500000

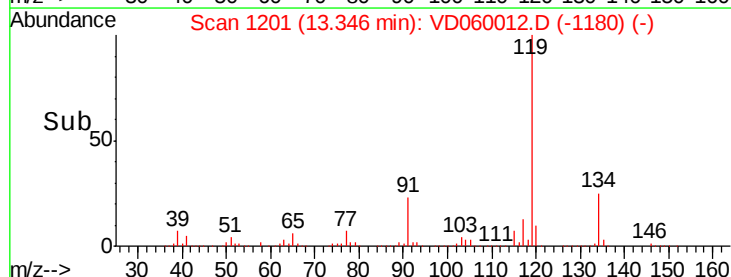
1000000

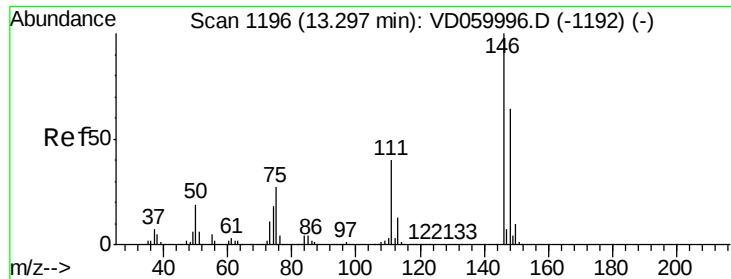
500000

0

13.20 13.30 13.40 13.50

Time-->





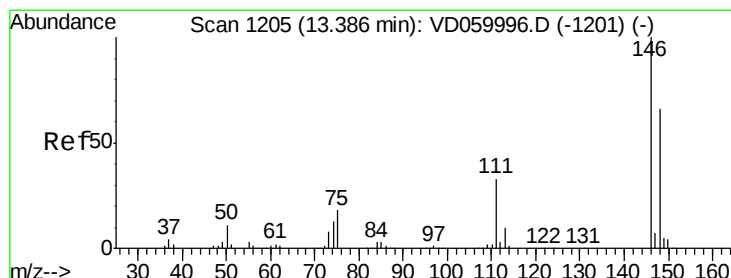
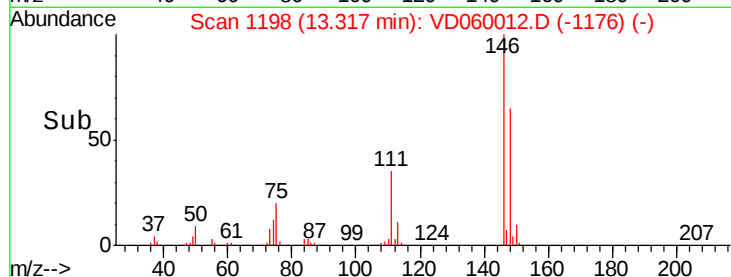
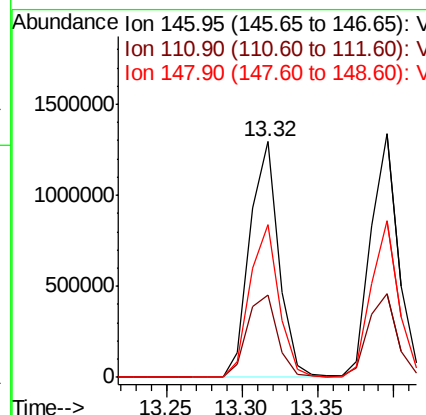
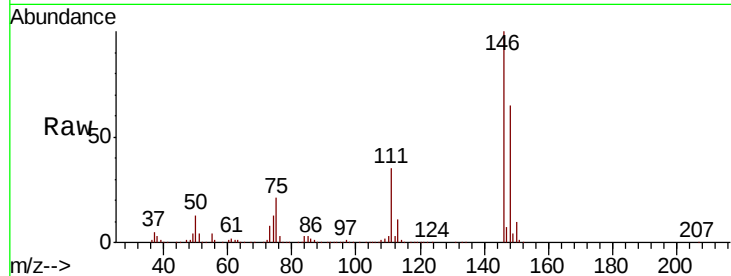
#87
 1,3-Dichlorobenzene
 Concen: 53.20 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.2	60.5
148	64.6	32.0	96.2

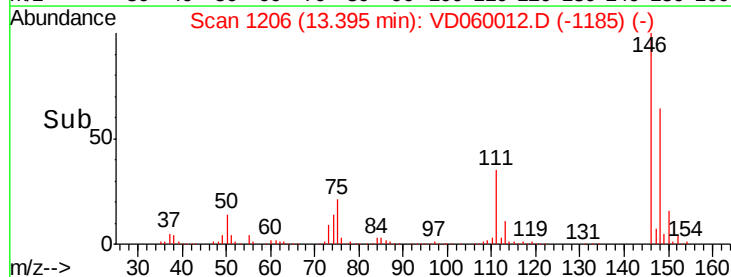
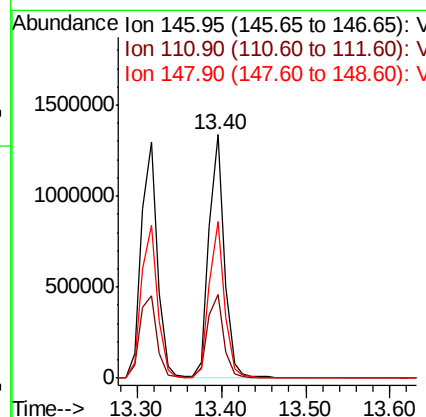
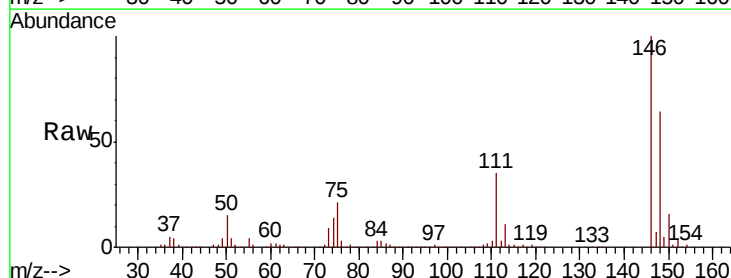
Manual Integrations
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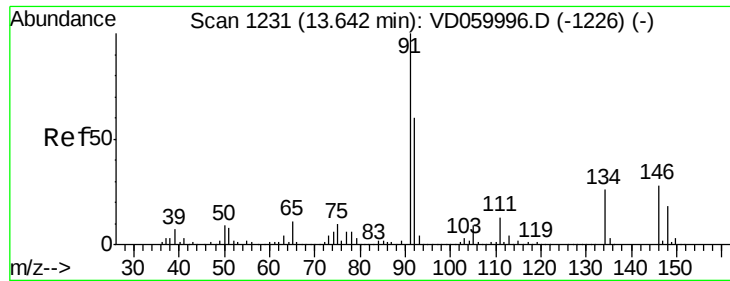
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#88
 1,4-Dichlorobenzene
 Concen: 52.06 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	16.7	50.0
148	64.3	32.9	98.6





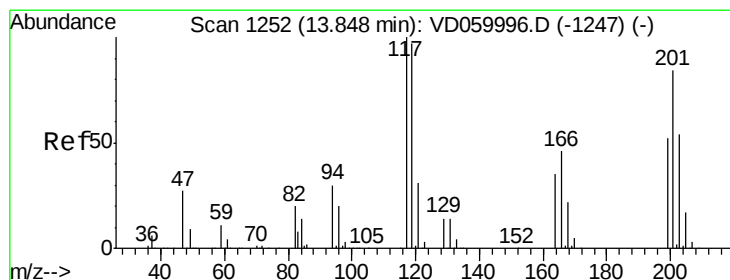
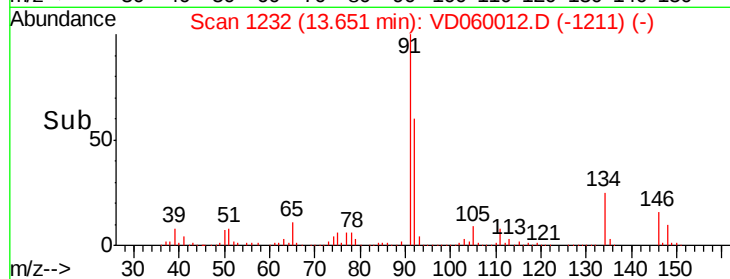
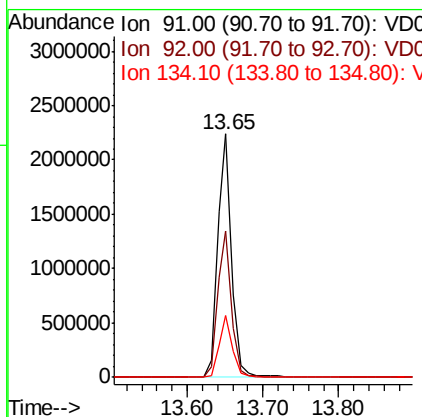
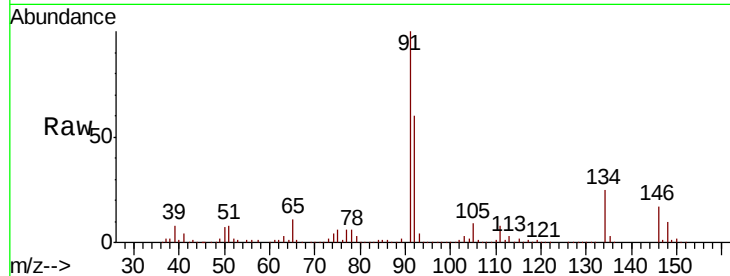
#89
n-Butylbenzene
Concen: 57.37 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2892045
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.3
134 25.5 13.2 39.6

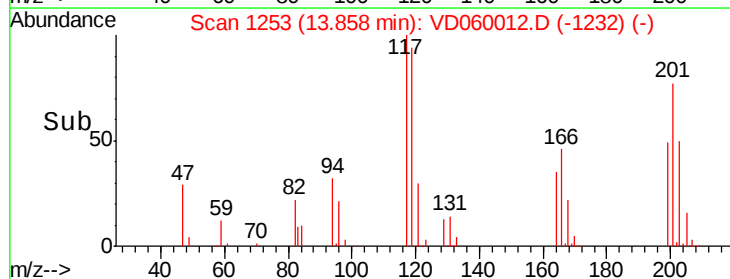
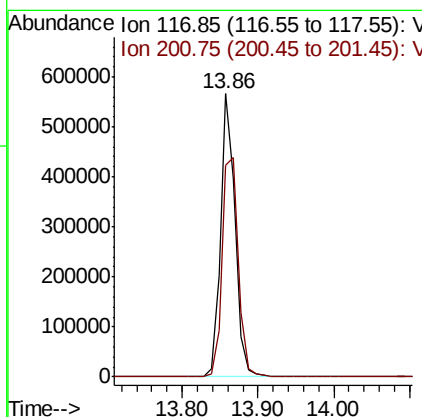
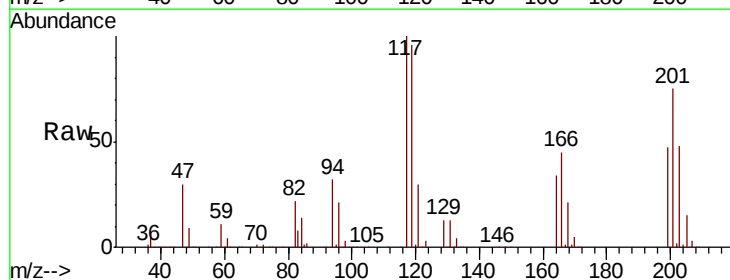
Manual Integrations
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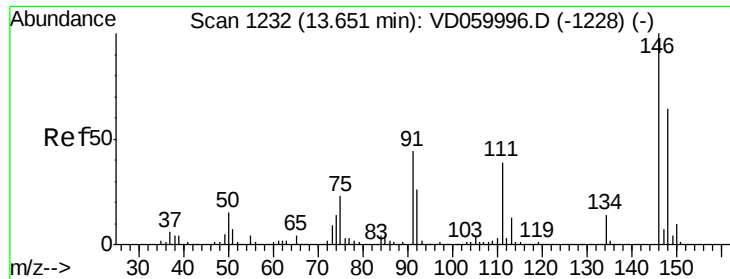
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#90
Hexachloroethane
Concen: 55.93 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 117 Resp: 765788
Ion Ratio Lower Upper
117 100
201 74.7 42.1 126.4





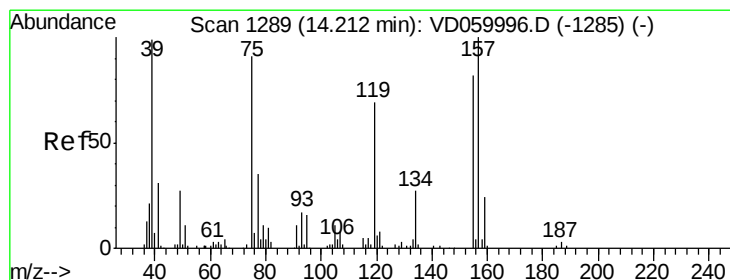
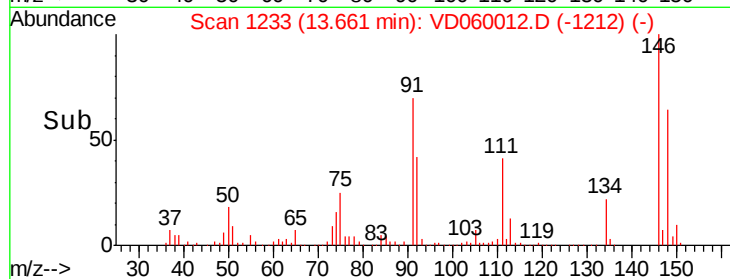
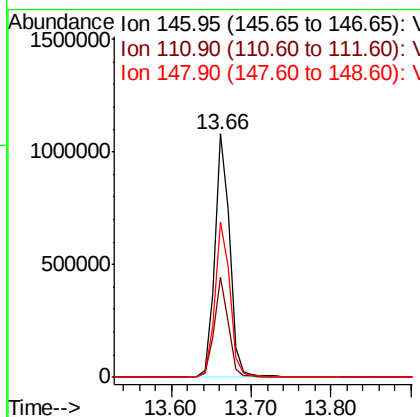
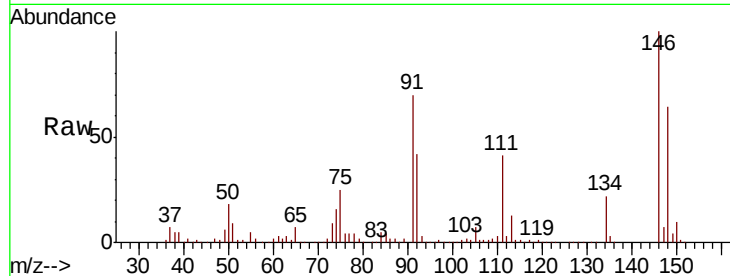
#91
 1,2-Dichlorobenzene
 Concen: 55.62 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	64.0	31.9	95.7

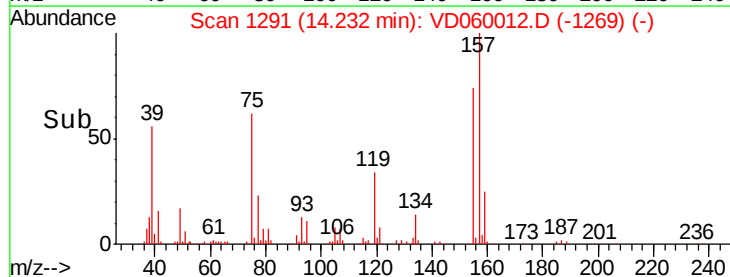
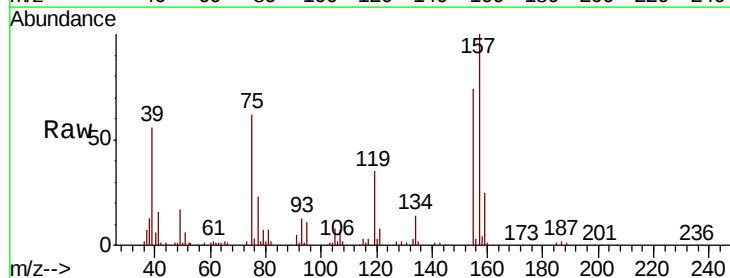
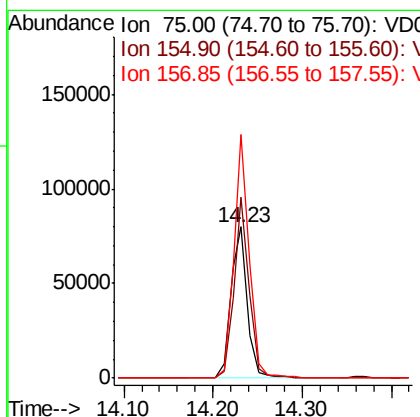
Manual Integrations
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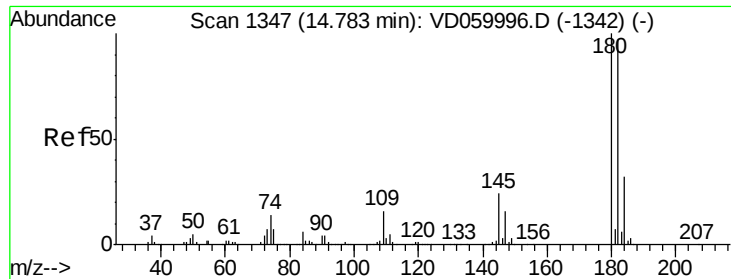
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.27 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.1	44.7	134.1
157	161.3	54.7	164.1





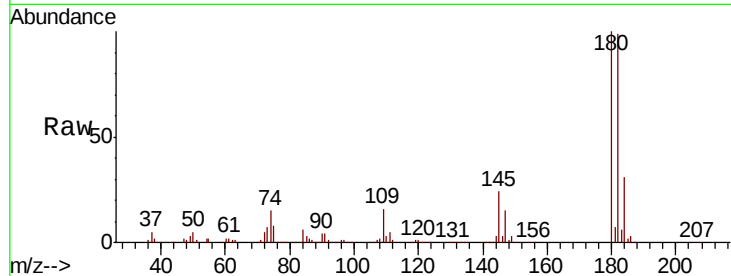
#93
 1,2,4-Trichlorobenzene
 Concen: 54.01 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

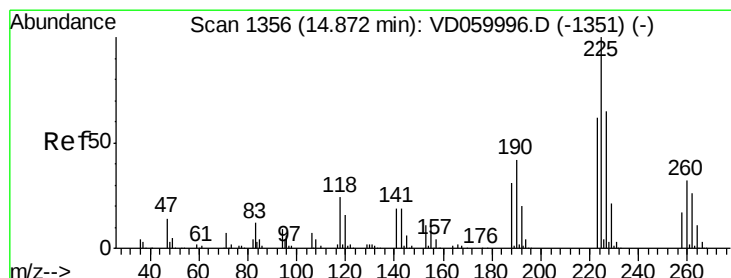
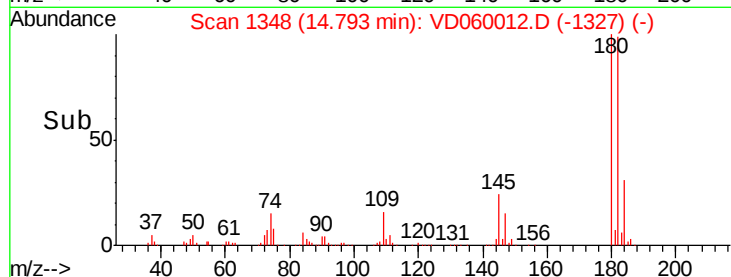
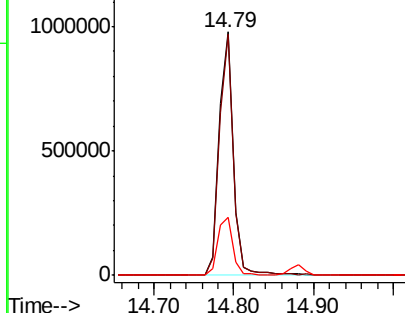
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.5	145.6
145	24.0	11.9	35.7

Manual Integrations
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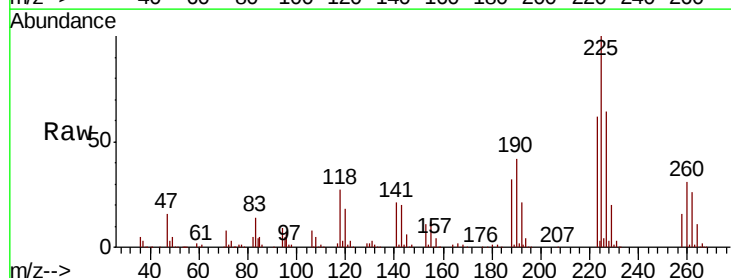


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

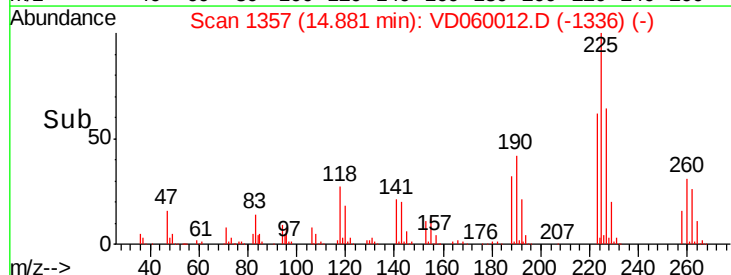
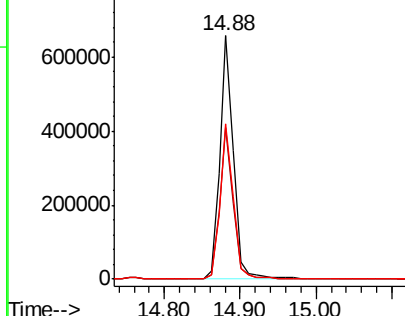


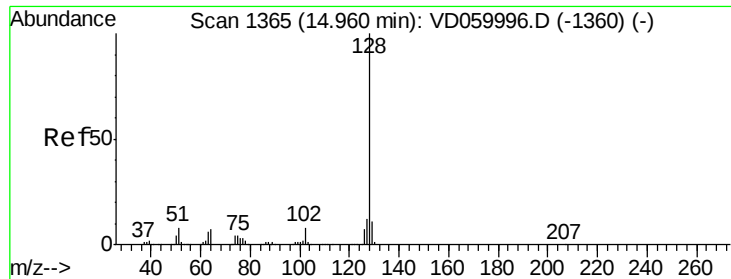
#94
 Hexachlorobutadiene
 Concen: 54.69 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	63.8	32.3	96.8



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





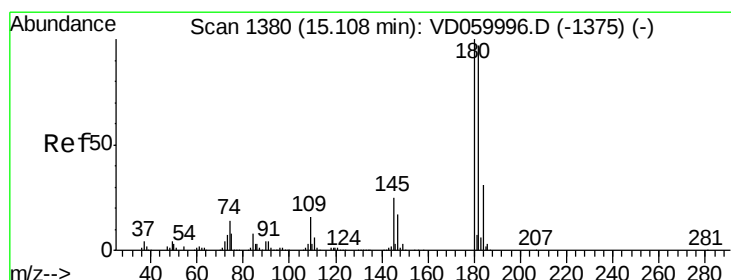
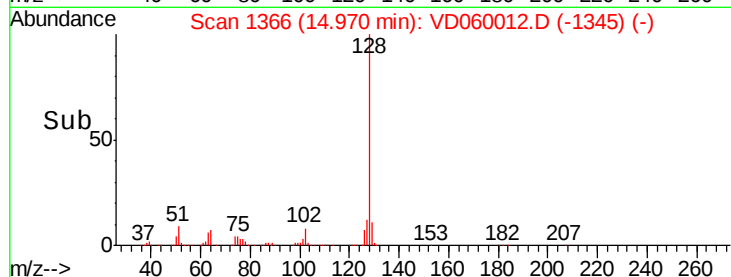
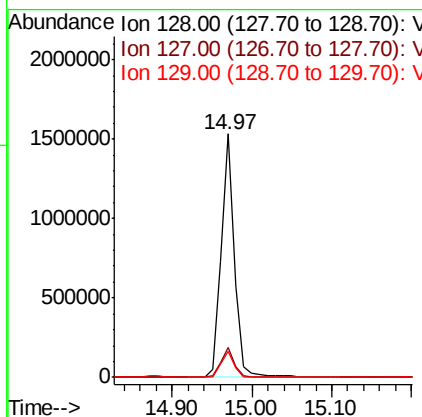
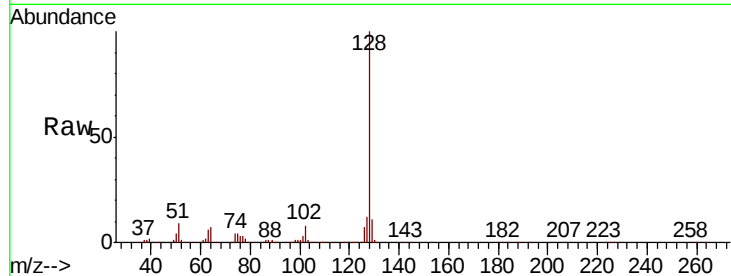
#95
Naphthalene
Concen: 50.51 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1805572
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.9 8.9 13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.95 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:180 Resp: 1059681
Ion Ratio Lower Upper
180 100
182 96.6 48.6 145.9
145 26.6 12.7 38.1

