

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121318\
 Data File : VD060552.D
 Acq On : 13 Dec 2018 10:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:25:22 AM

Quant Time: Dec 14 01:21:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1720402	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2387886	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1964721	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	956304	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	608585	49.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	6.31	113	880151	50.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	9.44	98	2563851	50.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.42	95	907752	49.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	787286	47.837	ug/l	96
3) Chloromethane	1.78	50	814337	46.070	ug/l	99
4) Vinyl Chloride	1.87	62	699602	49.591	ug/l	98
5) Bromomethane	2.17	94	171723	48.657	ug/l	90
6) Chloroethane	2.28	64	213563	45.947	ug/l	99
7) Trichlorofluoromethane	2.53	101	794992	48.805	ug/l	99
8) Diethyl Ether	2.84	74	141135	50.162	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.10	101	523261	49.509	ug/l	98
10) Methyl Iodide	3.25	142	607564	49.179	ug/l	98
11) Tert butyl alcohol	3.96	59	129989	262.385	ug/l	95
12) 1,1-Dichloroethene	3.09	96	427700	49.738	ug/l	94
13) Acrolein	3.00	56	146256	270.180	ug/l	91
14) Allyl chloride	3.54	41	841820	51.598	ug/l	99
15) Acrylonitrile	4.09	53	730310	259.620	ug/l	95
16) Acetone	3.16	43	531031	271.680	ug/l	99
17) Carbon Disulfide	3.32	76	1370271	49.057	ug/l	100
18) Methyl Acetate	3.56	43	234701	50.523	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1228743	51.527	ug/l	99
20) Methylene Chloride	3.73	84	884974	49.242	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	951911	50.890	ug/l	99
22) Diisopropyl ether	4.85	45	3019459	51.546	ug/l	96
23) Vinyl Acetate	4.80	43	7664908	264.101	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1559568	51.249	ug/l	99
25) 2-Butanone	5.62	43	1055465	274.465	ug/l	98
26) 2,2-Dichloropropane	5.58	77	1230537	52.344	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	987873	51.942	ug/l	99
28) Bromochloromethane	5.92	49	676195	50.160	ug/l	99
29) Tetrahydrofuran	5.94	42	574376	263.760	ug/l	99
30) Chloroform	6.10	83	1564443	51.029	ug/l	98
31) Cyclohexane	6.35	56	1392019	53.783	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	1300875	51.614	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1180826	50.590	ug/l	99
37) Ethyl Acetate	5.69	43	560140	55.335	ug/l	98
38) Carbon Tetrachloride	6.49	117	1067931	50.964	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1351613	50.796	ug/l	100
40) Benzene	6.79	78	3101337	51.990	ug/l	99
41) Methacrylonitrile	5.92	41	265871m	48.723	ug/l	
42) 1,2-Dichloroethane	6.88	62	784650	51.734	ug/l	99
43) Isopropyl Acetate	8.33	43	667906	53.451	ug/l	100
44) Trichloroethene	7.73	130	936180	52.514	ug/l	98
45) 1,2-Dichloropropane	8.09	63	772094	52.333	ug/l	99
46) Dibromomethane	8.20	93	443859	52.070	ug/l	98
47) Bromodichloromethane	8.48	83	1053727	52.099	ug/l	98
48) Methyl methacrylate	8.23	41	394567	53.365	ug/l	99
49) 1,4-Dioxane	8.21	88	73117	1091.121	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	2084920	268.230	ug/l	100
52) Toluene	9.53	92	1908482	51.187	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	903072	54.339	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1177428	53.923	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	529954	51.041	ug/l	97
56) Ethyl methacrylate	10.01	69	515031	54.809	ug/l	98
57) 1,3-Dichloropropane	10.37	76	847833	52.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1505220	267.711	ug/l	99
59) 2-Hexanone	10.48	43	1593293	293.259	ug/l	99
60) Dibromochloromethane	10.62	129	701010	54.000	ug/l	99
61) 1,2-Dibromoethane	10.74	107	556954	52.635	ug/l	99
64) Tetrachloroethene	10.24	164	847216	48.698	ug/l	98
65) Chlorobenzene	11.30	112	2039664	49.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	665731	49.693	ug/l	97
67) Ethyl Benzene	11.41	91	3450416	48.668	ug/l	99
68) m/p-Xylenes	11.55	106	2562840	97.711	ug/l	99
69) o-Xylene	11.92	106	1237114	49.492	ug/l	97
70) Styrene	11.94	104	1990071	49.601	ug/l	99
71) Bromoform	12.10	173	462836	51.783	ug/l	98
73) Isopropylbenzene	12.27	105	3383614	50.001	ug/l	99
74) N-amyl acetate	12.12	43	866559	52.984	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	558444	51.547	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	561968	51.864	ug/l	99
77) Bromobenzene	12.53	156	900567	50.628	ug/l	87
78) n-propylbenzene	12.62	91	4203282	49.137	ug/l	98
79) 2-Chlorotoluene	12.69	91	2331024	50.218	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	2613898	50.550	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	164943	54.579	ug/l	98
82) 4-Chlorotoluene	12.80	91	2596788	49.809	ug/l	96
83) tert-Butylbenzene	13.04	119	3004808	51.827	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	2700331	50.434	ug/l	100
85) sec-Butylbenzene	13.21	105	3656624	50.602	ug/l	96
86) p-Isopropyltoluene	13.33	119	2817667	49.189	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1578269	49.005	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1569261	49.668	ug/l	96
89) n-Butylbenzene	13.64	91	3024130	54.214	ug/l	99
90) Hexachloroethane	13.84	117	760412	52.945	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	1293251	49.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	70971	54.065	ug/l	70

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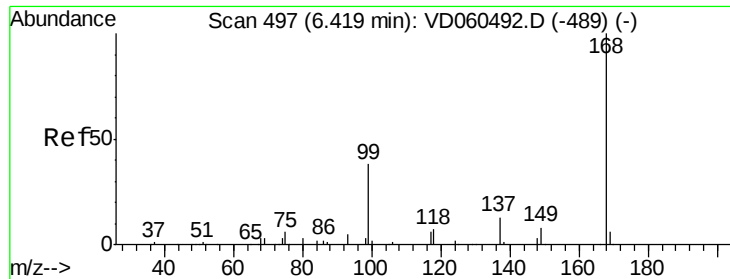
Manual Integrations
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12/14/2018 11:25:22 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1056994	51.372	ug/l	97
94) Hexachlorobutadiene	14.87	225	763471	50.293	ug/l	97
95) Naphthalene	14.95	128	1275728	52.119	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	849677	51.828	ug/l	99

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



#1

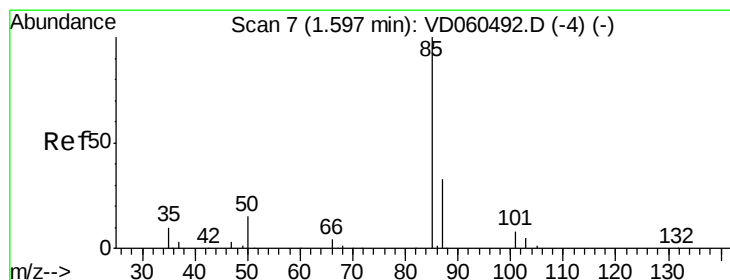
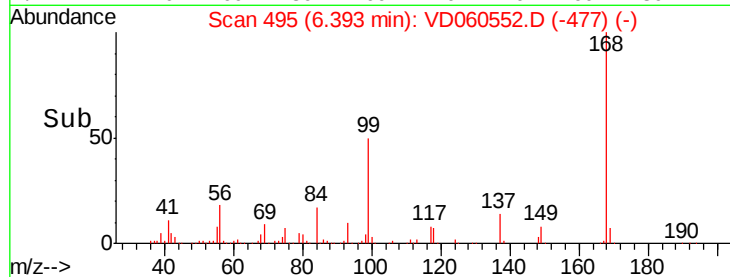
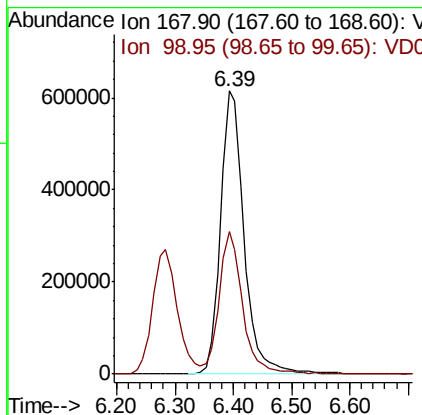
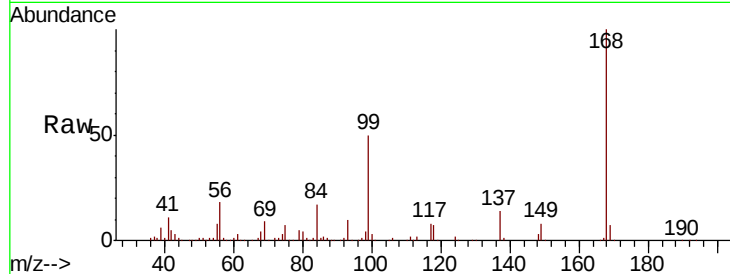
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1720402
 Ion Ratio Lower Upper
 168 100
 99 50.4 35.6 53.4

Manual Integrations
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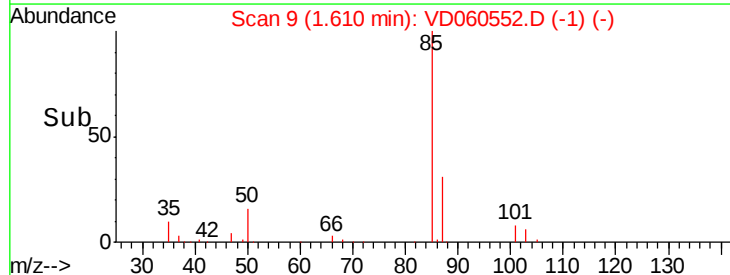
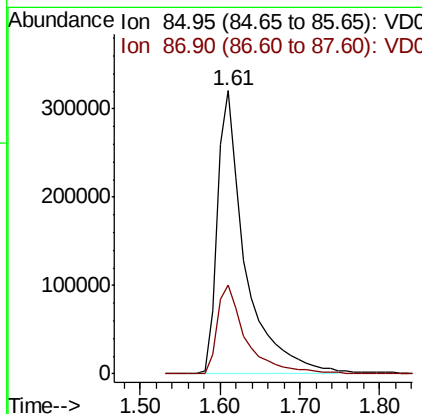
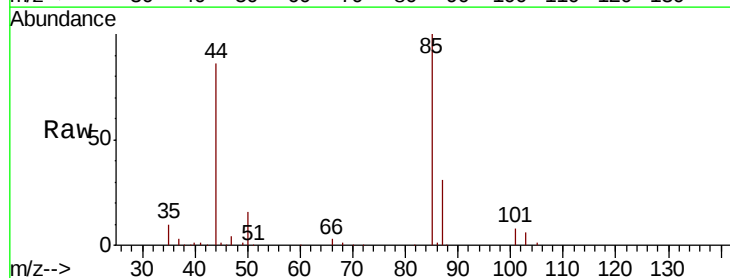
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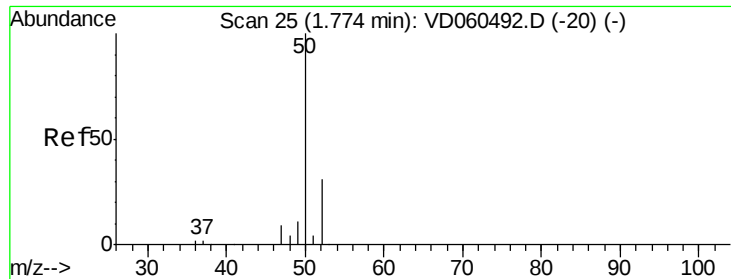


#2

Dichlorodifluoromethane
 Concen: 47.837 ug/l
 RT: 1.61 min Scan# 9
 Delta R.T. 0.01 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion: 85 Resp: 787286
 Ion Ratio Lower Upper
 85 100
 87 31.3 16.7 50.0





#3

Chloromethane

Concen: 46.070 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 814337

Ion Ratio Lower Upper

50 100

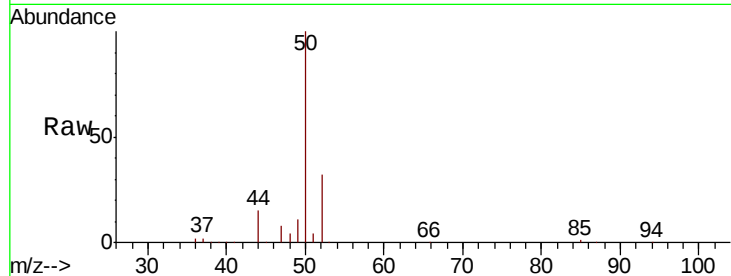
52 31.7 25.0 37.4

Manual Integrations

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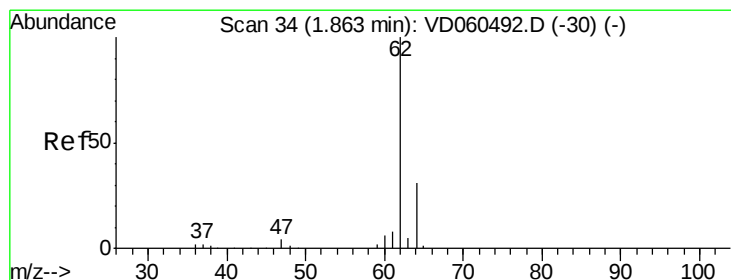
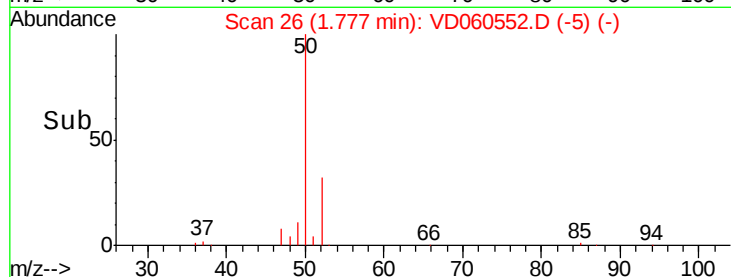
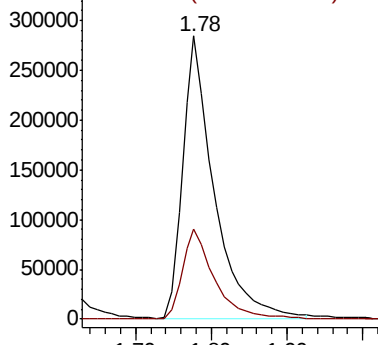
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.591 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060552.D

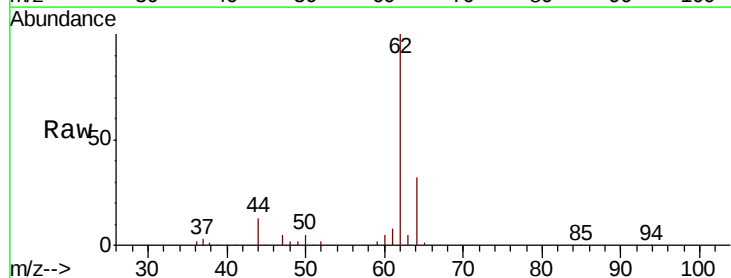
Acq: 13 Dec 2018 10:42

Tgt Ion: 62 Resp: 699602

Ion Ratio Lower Upper

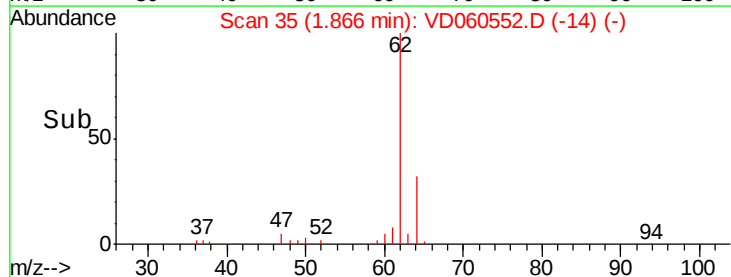
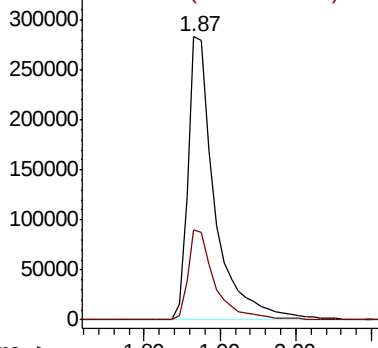
62 100

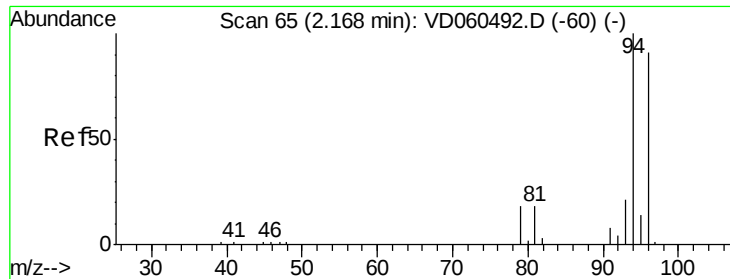
64 31.6 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.657 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 171723

Ion Ratio Lower Upper

94 100

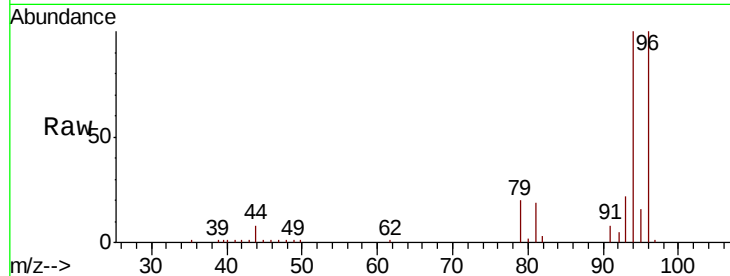
96 99.7 72.6 108.8

Manual Integrations

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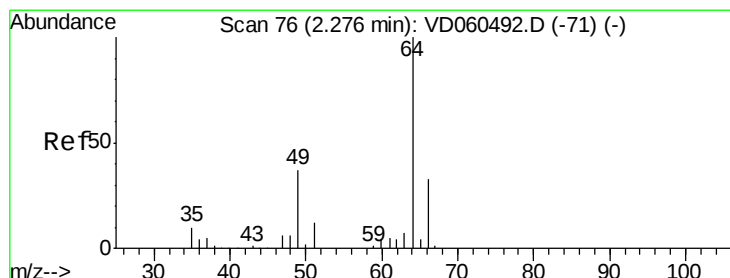
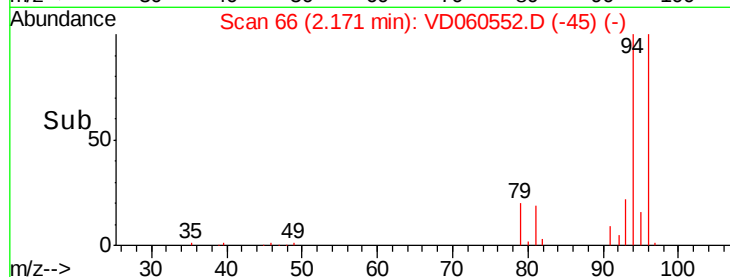
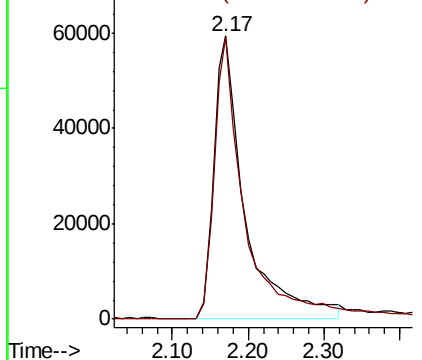
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.947 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060552.D

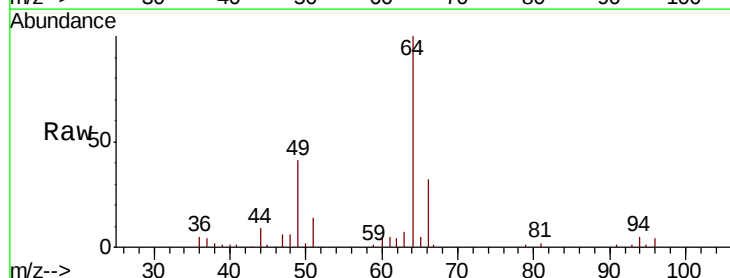
Acq: 13 Dec 2018 10:42

Tgt Ion: 64 Resp: 213563

Ion Ratio Lower Upper

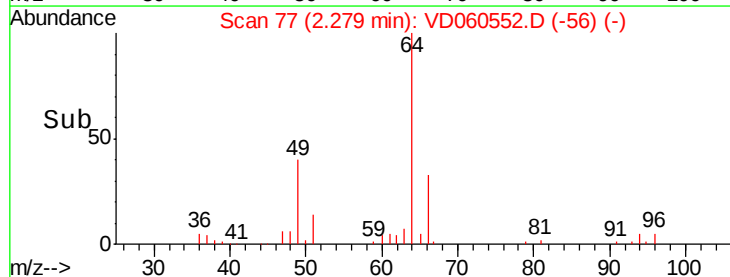
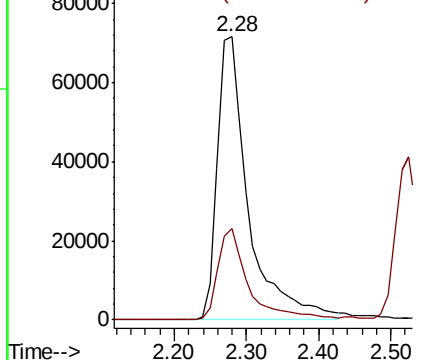
64 100

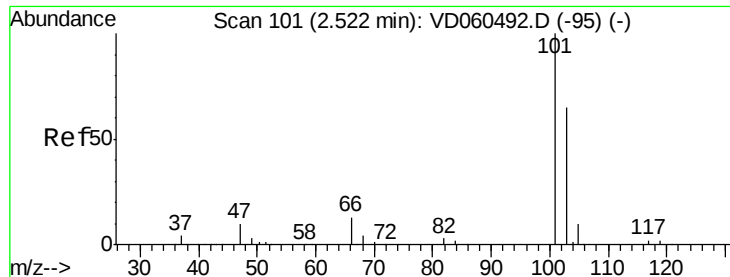
66 32.4 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

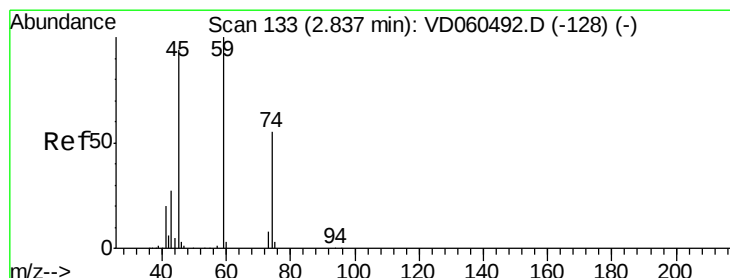
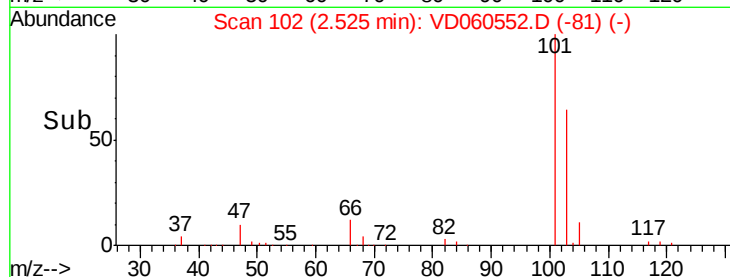
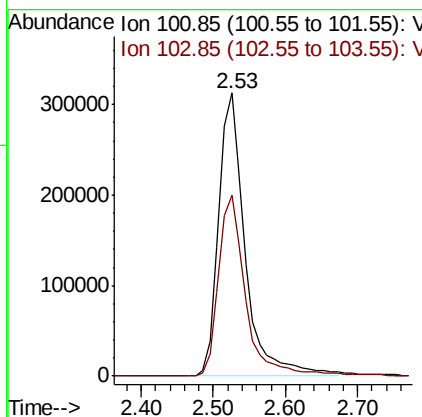
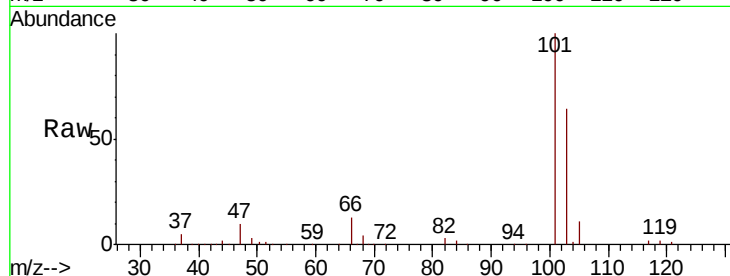
Trichlorofluoromethane
Concen: 48.805 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

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Tot Ion: 101 Resp: 794992
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

Manual Integrations
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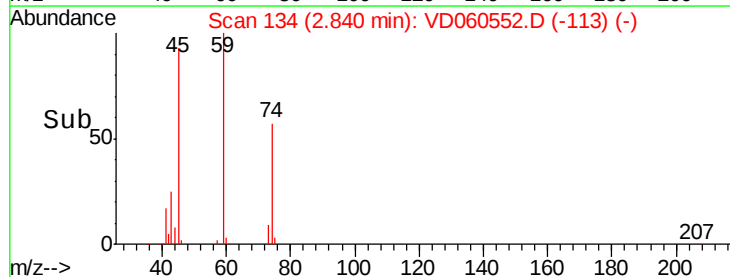
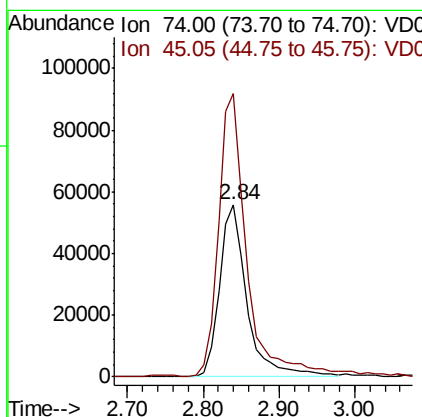
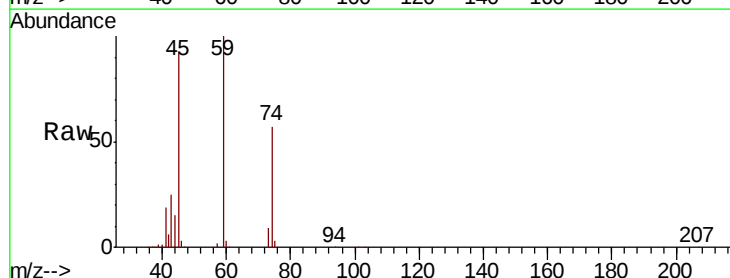
MMDadoda
12/14/2018 11:25:22 AM

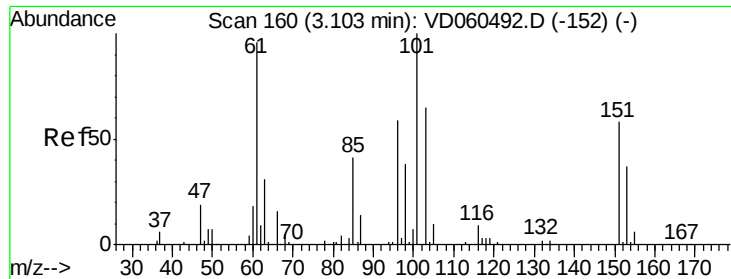


#8

Diethyl Ether
Concen: 50.162 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 74 Resp: 141135
Ion Ratio Lower Upper
74 100
45 164.5 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.509 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

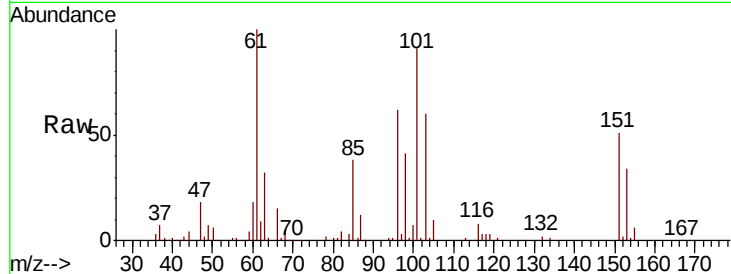
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VSTDCCC050

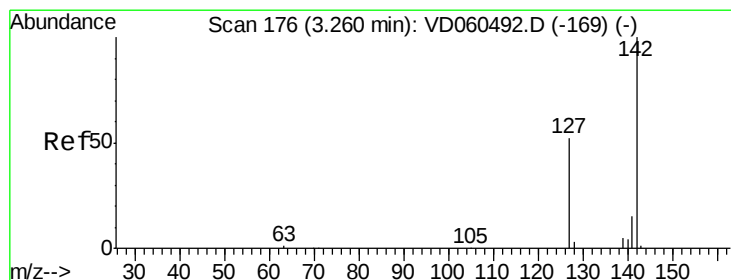
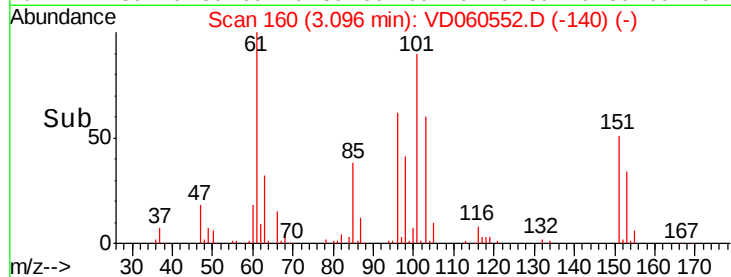
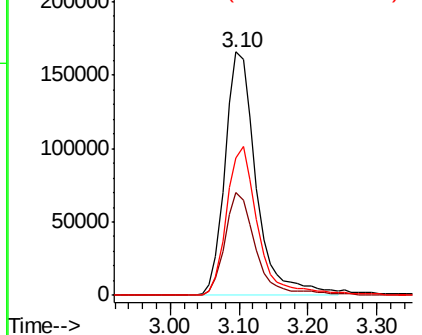
Tot Ion:	101	Resp:	523261
Ion Ratio	Lower	Upper	
101	100		
85	42.0	32.7	49.1
151	56.3	46.6	69.8

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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: 49.179 ug/l

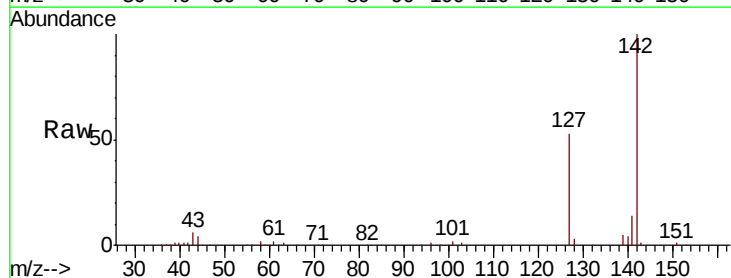
RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

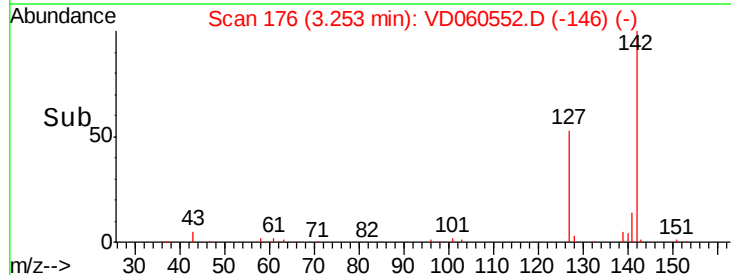
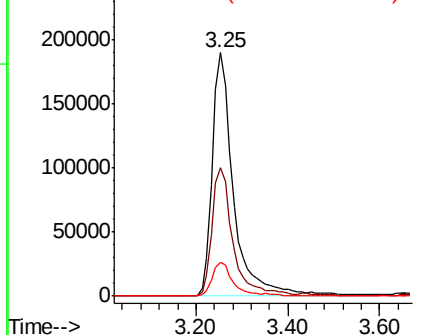
Lab File: VD060552.D

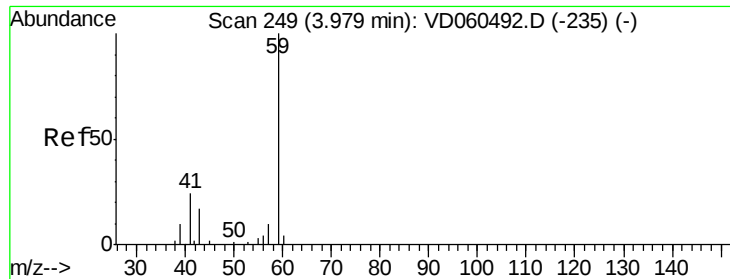
Acq: 13 Dec 2018 10:42

Tgt Ion:	142	Resp:	607564
Ion Ratio	Lower	Upper	
142	100		
127	53.0	41.2	61.8
141	14.0	11.9	17.9



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

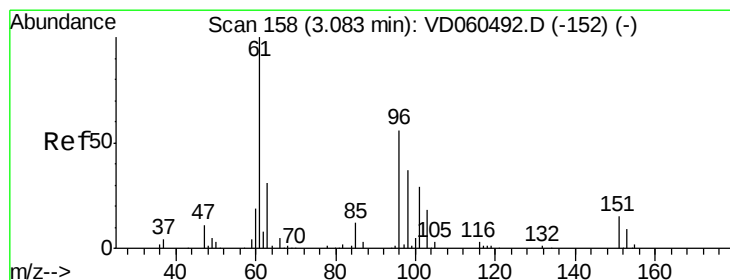
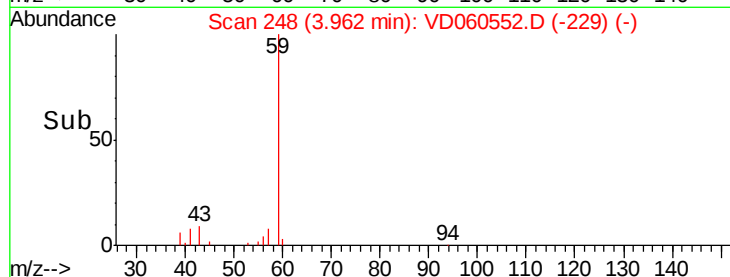
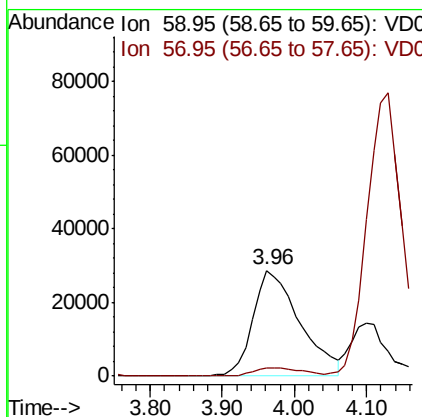
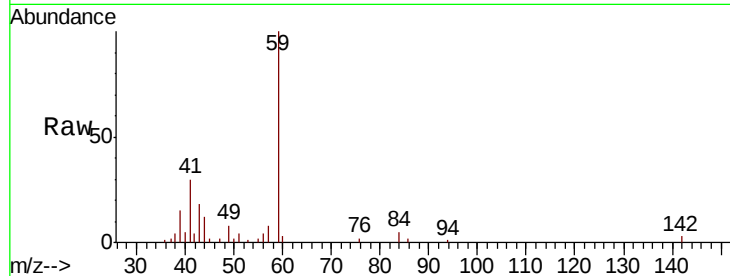
Tert butyl alcohol
Concen: 262.385 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.1	12.1

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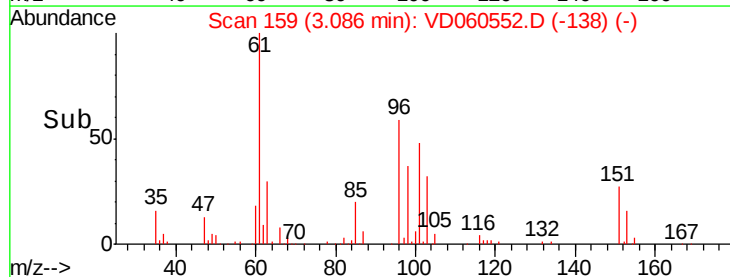
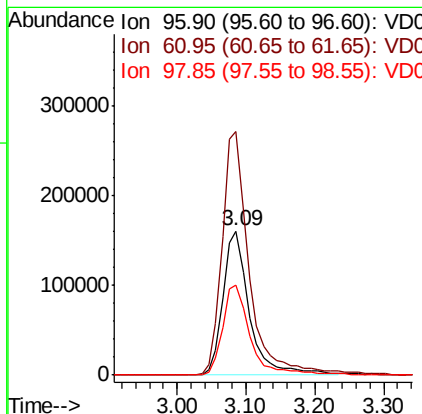
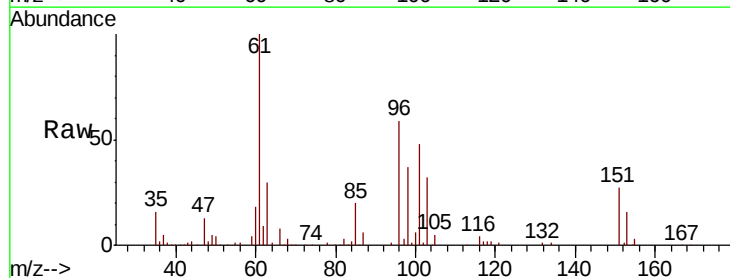
MMDadoda
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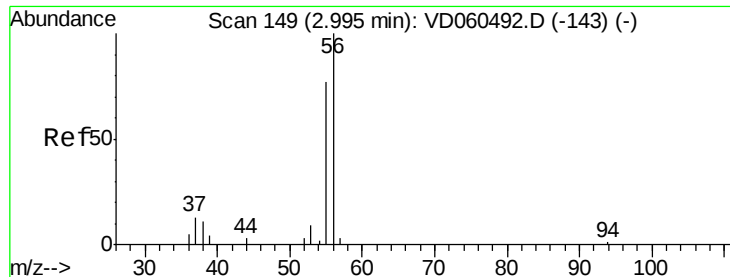


#12

1,1-Dichloroethene
Concen: 49.738 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	143.0	214.4
98	62.6	53.4	80.0





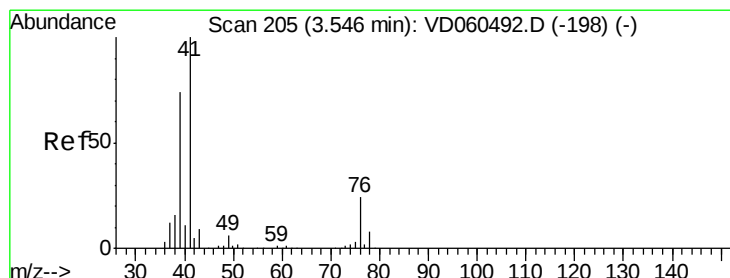
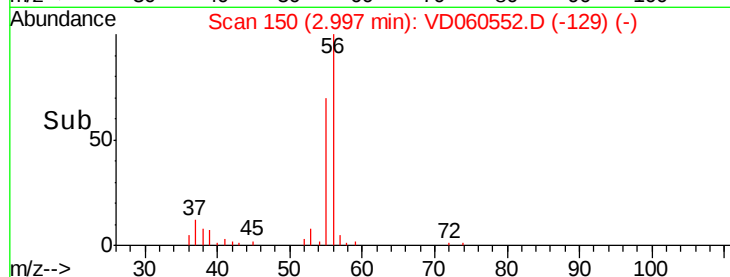
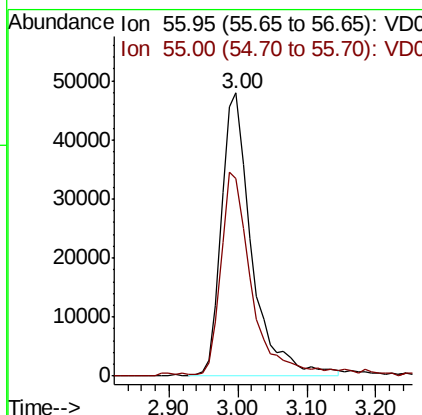
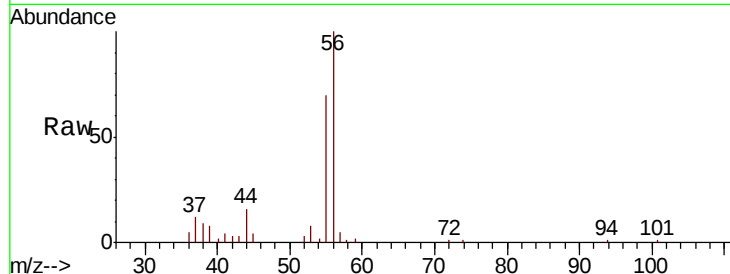
#13
 Acrolein
 Concen: 270.180 ug/l
 RT: 3.00 min Scan# 150
 Delta R.T. 0.00 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	62.0	93.0

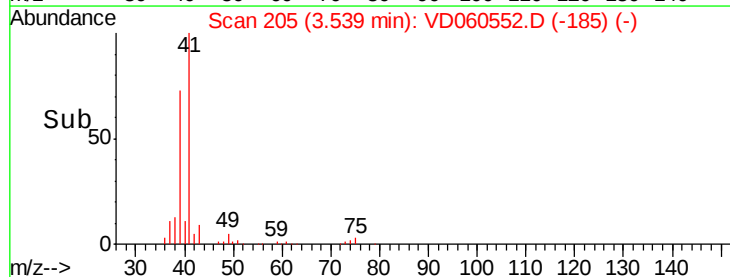
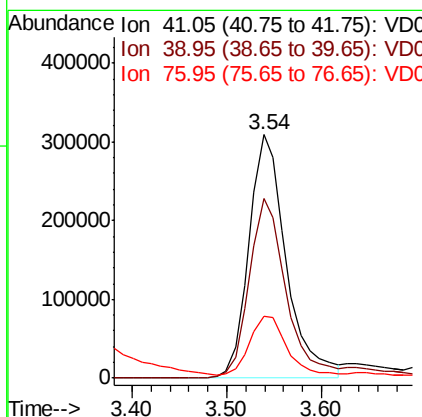
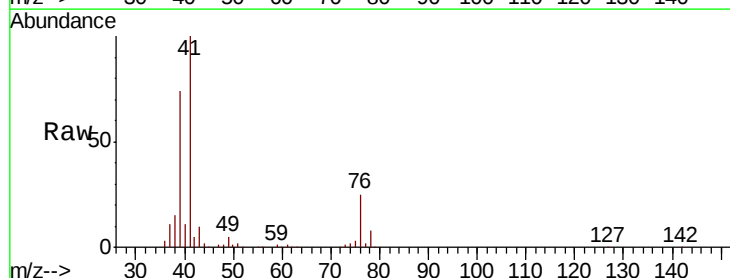
Manual Integrations
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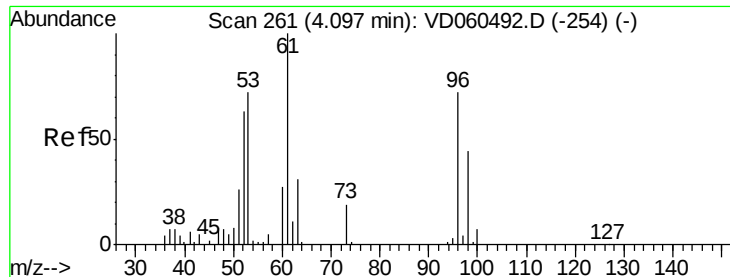
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#14
 Allyl chloride
 Concen: 51.598 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	59.3	88.9
76	25.3	21.0	31.6





#15

Acrylonitrile

Concen: 259.620 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

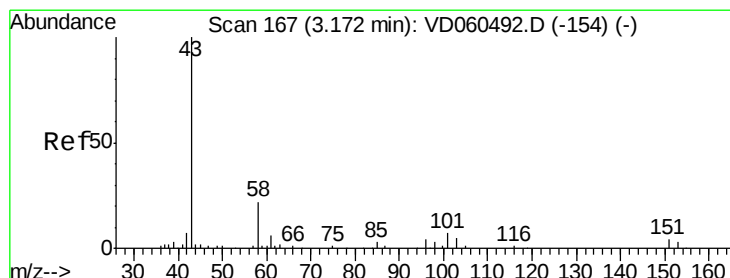
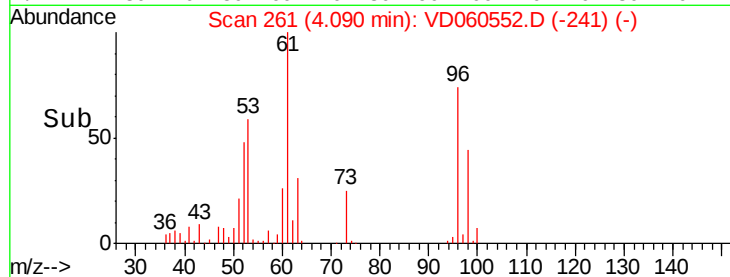
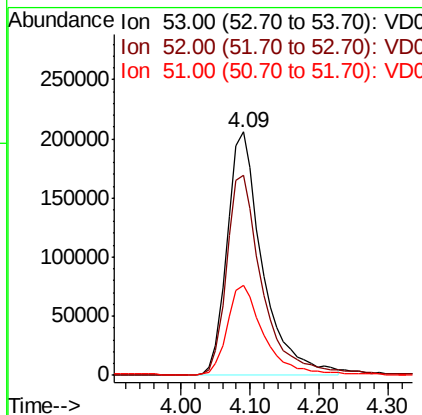
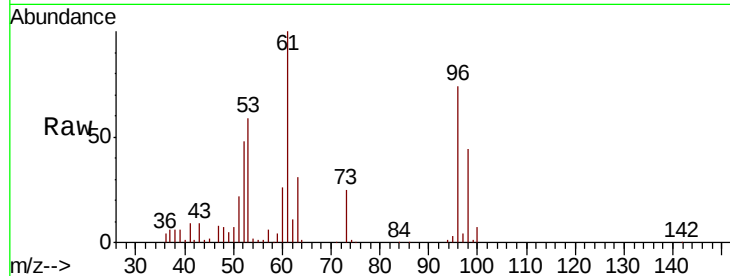
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	730310
Ion Ratio	Lower	Upper	
53	100		
52	82.0	70.0	105.0
51	36.8	28.8	43.2

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#16

Acetone

Concen: 271.680 ug/l

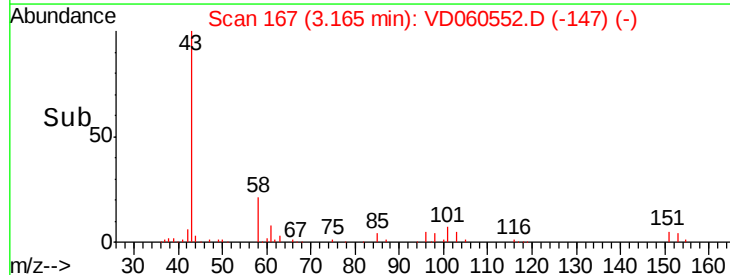
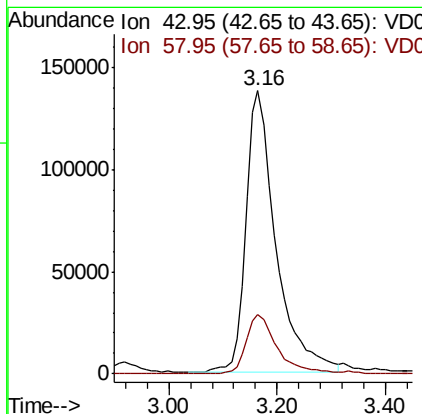
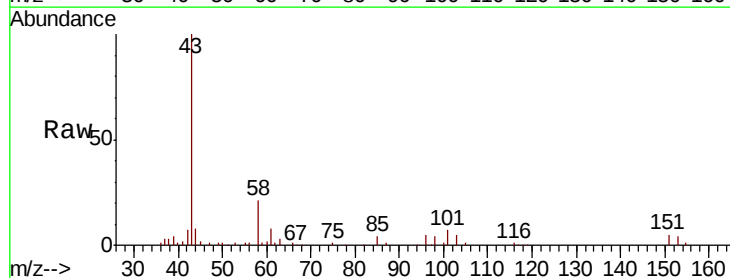
RT: 3.16 min Scan# 167

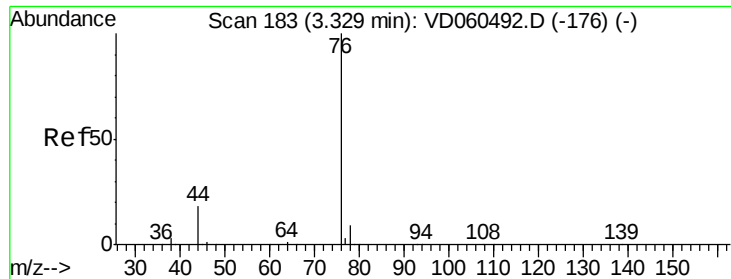
Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tgt Ion:	43	Resp:	531031
Ion Ratio	Lower	Upper	
43	100		
58	21.2	17.3	25.9





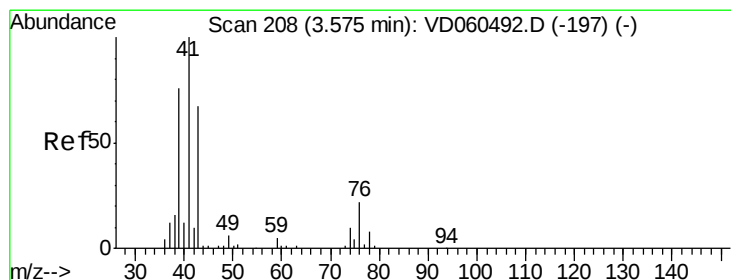
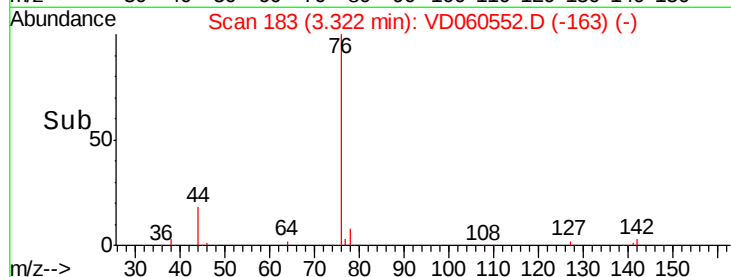
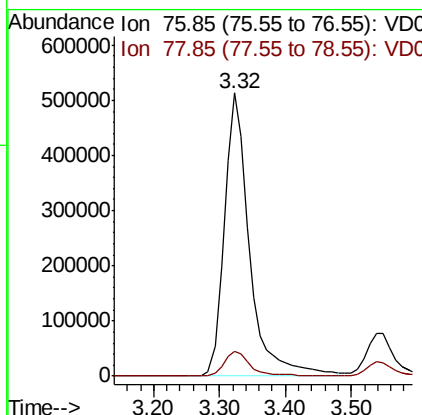
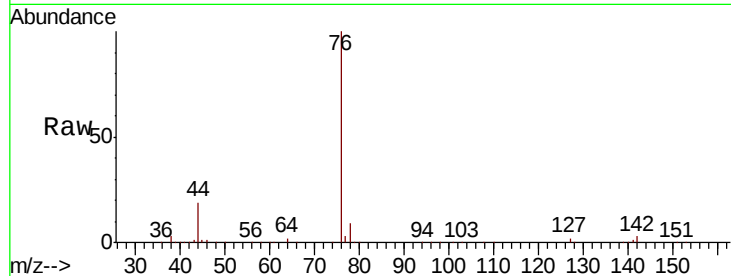
#17
Carbon Disulfide
Concen: 49.057 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1370271
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

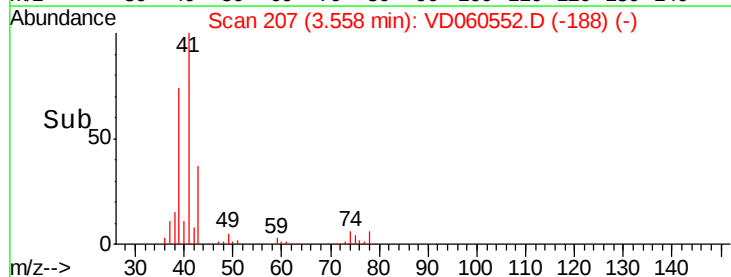
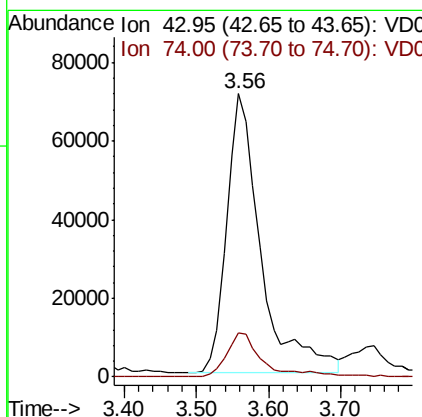
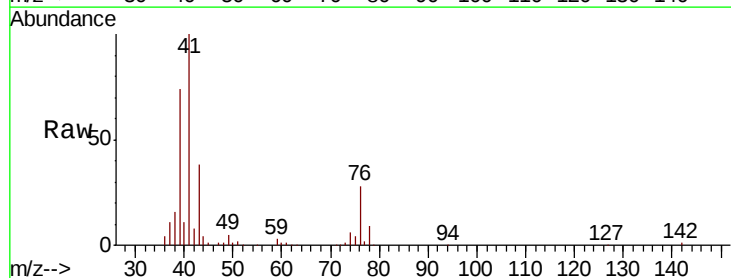
Manual Integrations
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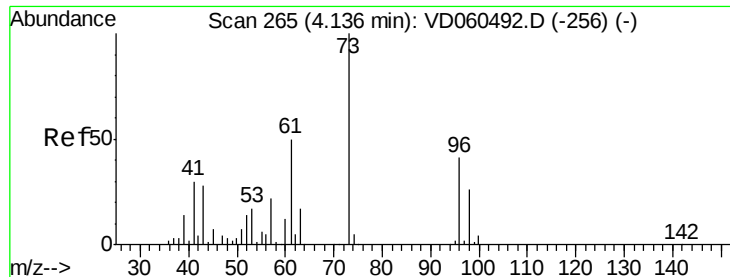
MMDadoda
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#18
Methyl Acetate
Concen: 50.523 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 43 Resp: 234701
Ion Ratio Lower Upper
43 100
74 15.5 12.0 18.0





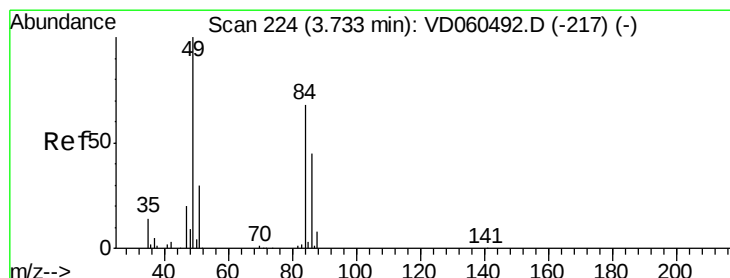
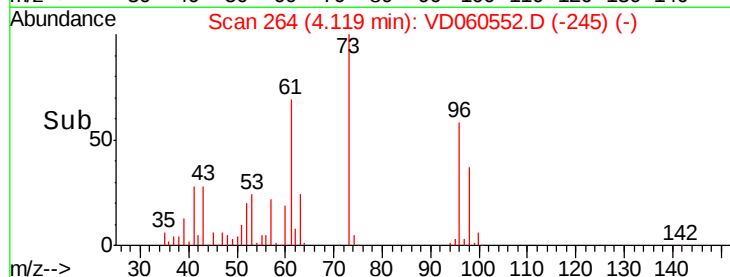
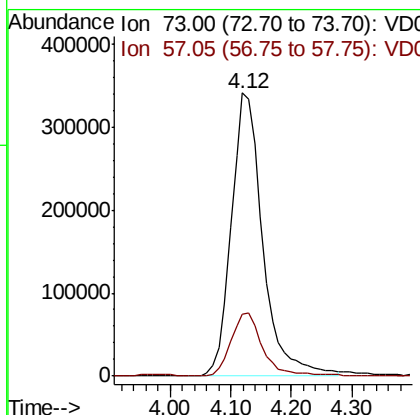
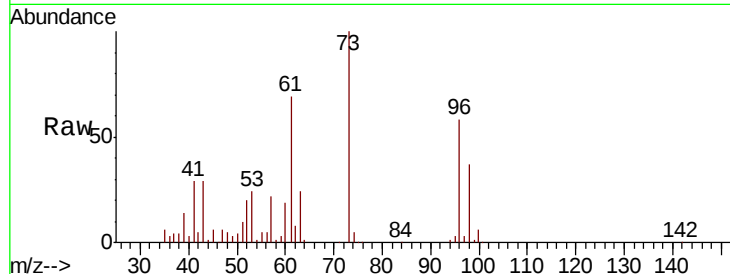
#19
Methyl tert-butyl Ether
Concen: 51.527 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1228743
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.6

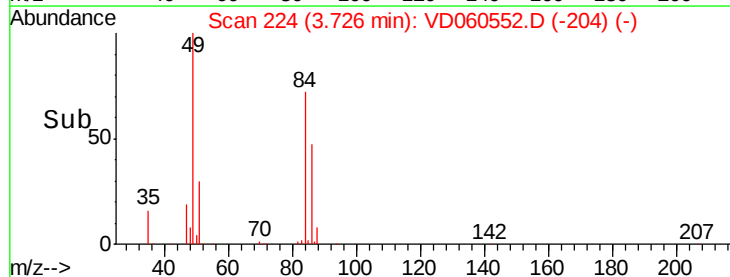
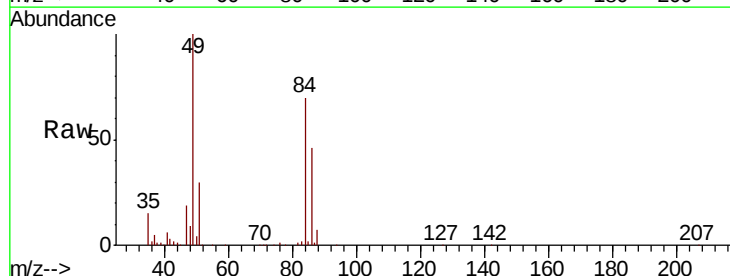
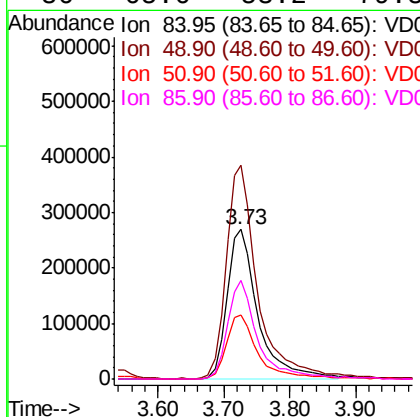
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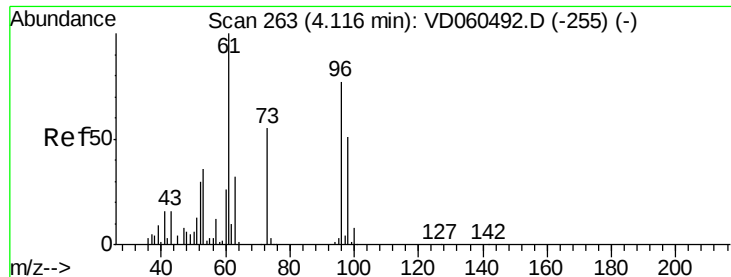
MMDadoda
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#20
Methylene Chloride
Concen: 49.242 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 84 Resp: 884974
Ion Ratio Lower Upper
84 100
49 143.1 117.2 175.8
51 42.7 35.3 52.9
86 65.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.890 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

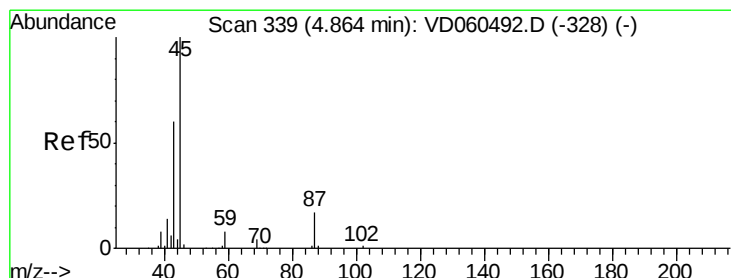
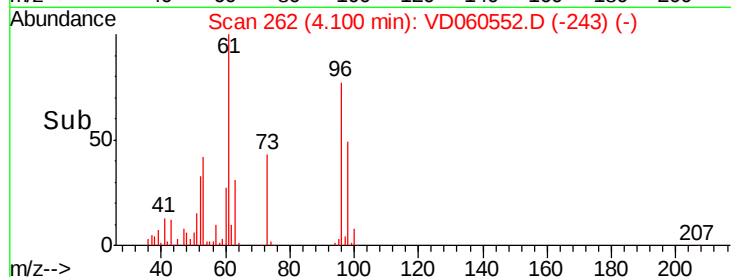
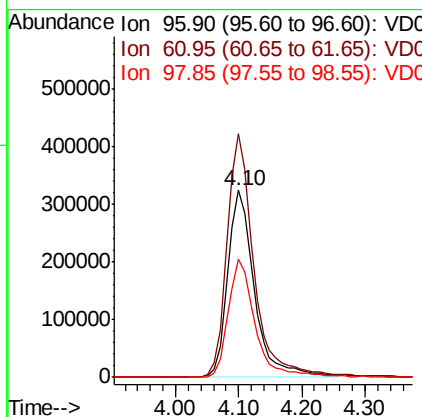
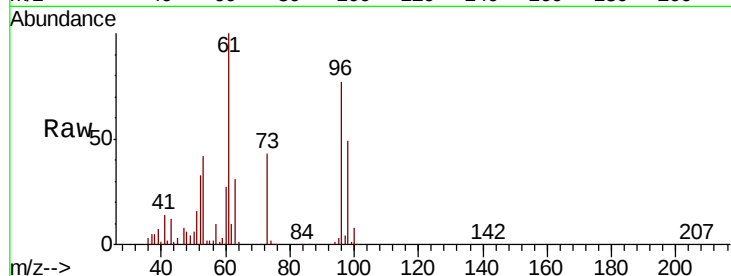
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	951911
Ion	Ratio	Lower	Upper
96	100		
61	130.3	104.2	156.4
98	63.5	52.8	79.2

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#22

Diisopropyl ether

Concen: 51.546 ug/l

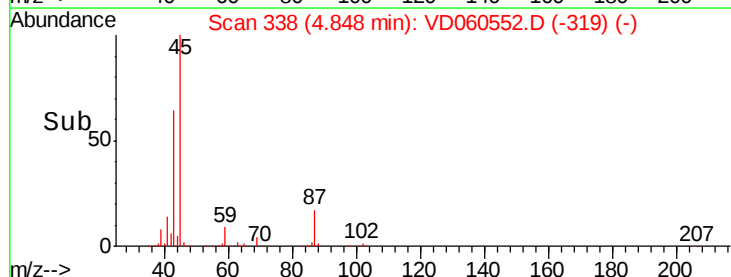
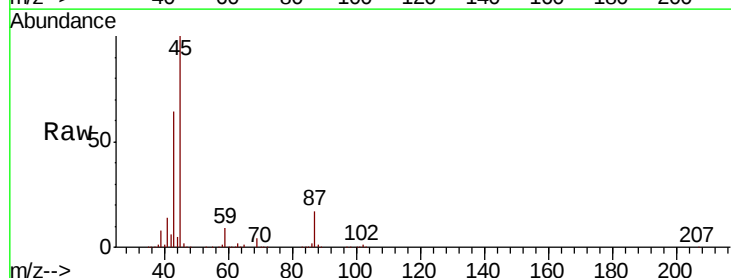
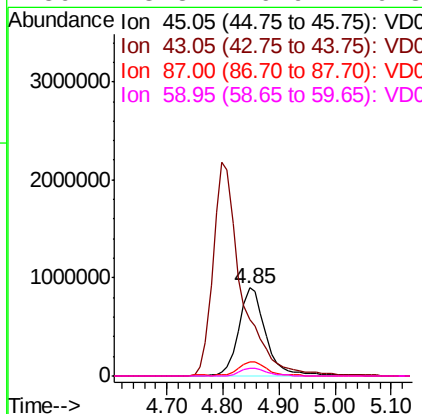
RT: 4.85 min Scan# 338

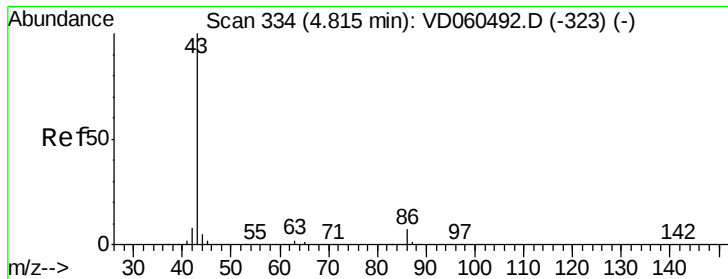
Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tgt Ion:	45	Resp:	3019459
Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.6	73.0
87	16.7	14.0	21.0
59	8.8	6.9	10.3





#23

Vinyl Acetate

Concen: 264.101 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 7664908

Ion Ratio Lower Upper

43 100

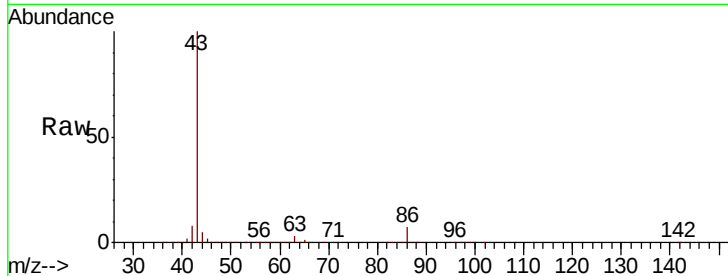
86 6.9 5.5 8.3

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

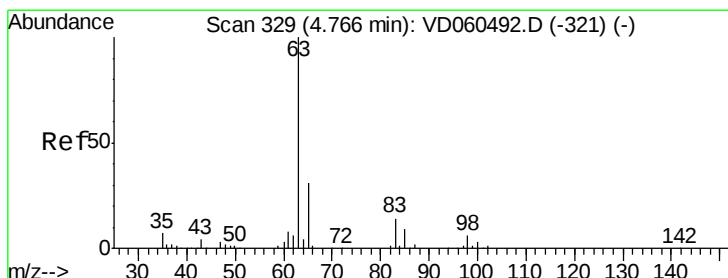
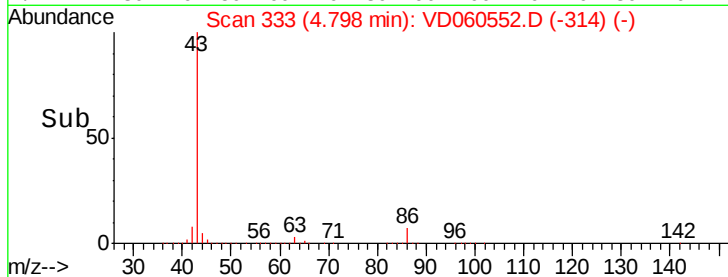
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.249 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

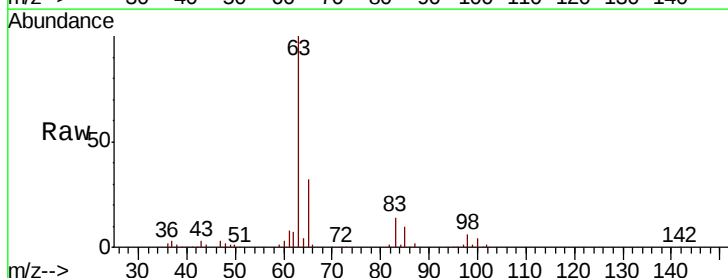
Tgt Ion: 63 Resp: 1559568

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.7 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

600000

500000

400000

300000

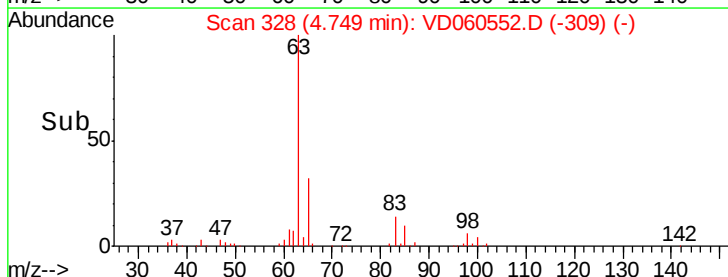
200000

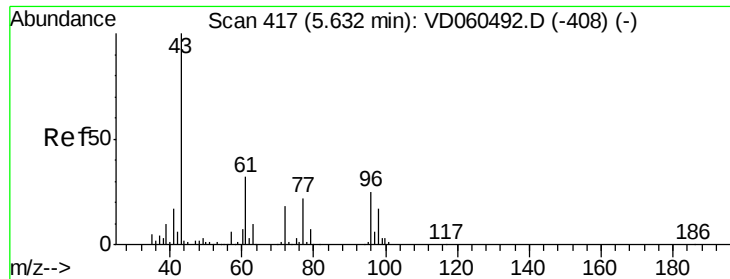
100000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 274.465 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tot Ion: 43 Resp: 1055465

Ion Ratio Lower Upper

43 100

72 17.3 14.6 21.8

Instrument :

MSVOA_D

ClientSampleId :

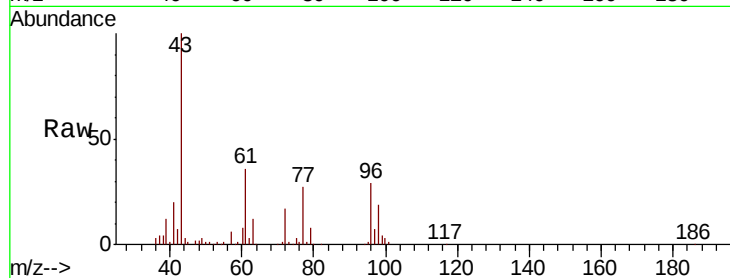
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

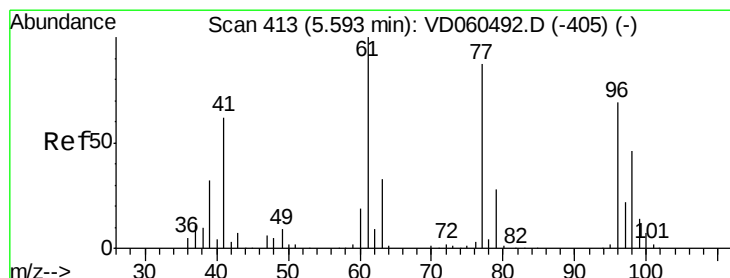
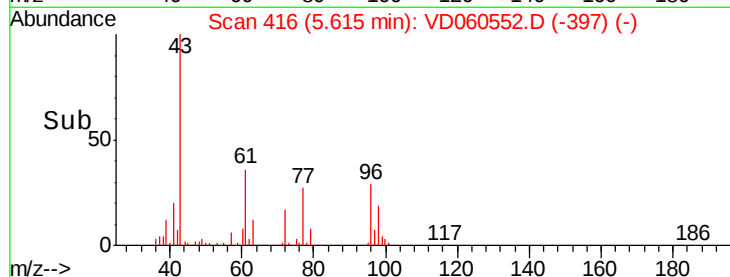
200000

100000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 52.344 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060552.D

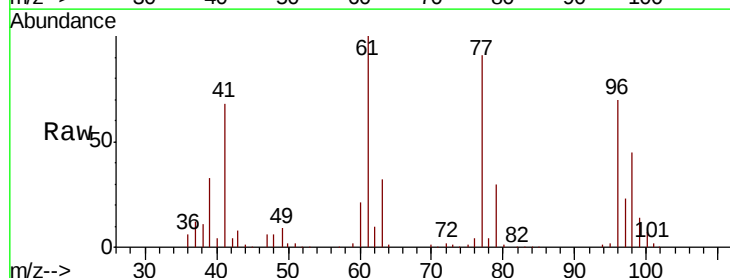
Acq: 13 Dec 2018 10:42

Tgt Ion: 77 Resp: 1230537

Ion Ratio Lower Upper

77 100

97 25.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

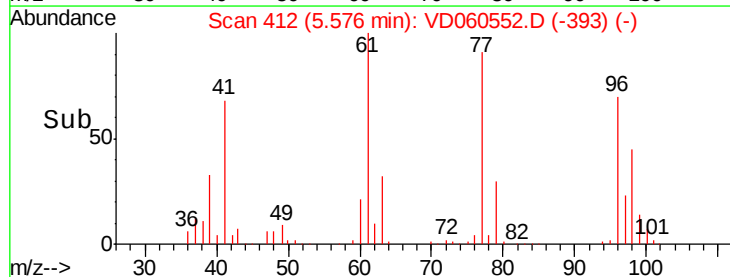
200000

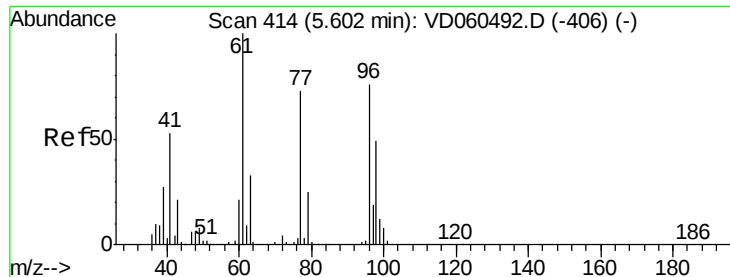
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

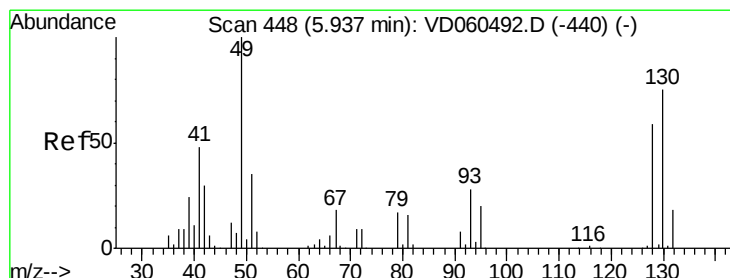
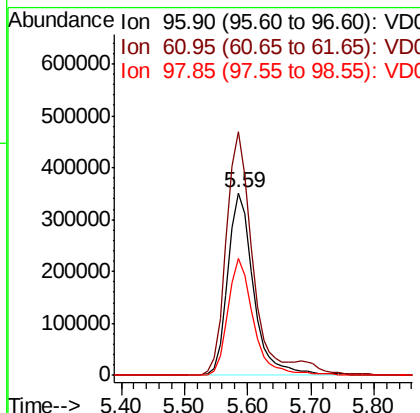
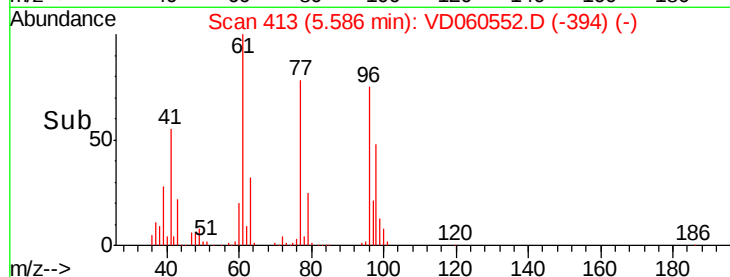
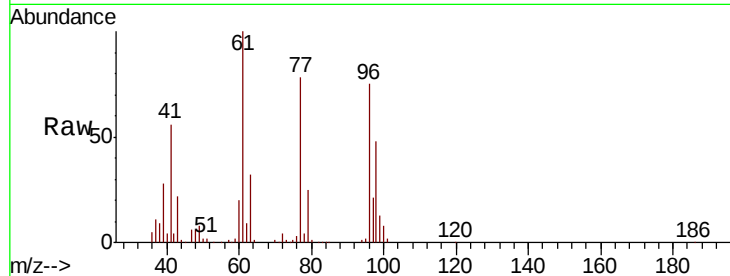
cis-1,2-Dichloroethene
Concen: 51.942 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.2	0.0	263.6	
98	64.0	0.0	128.2	

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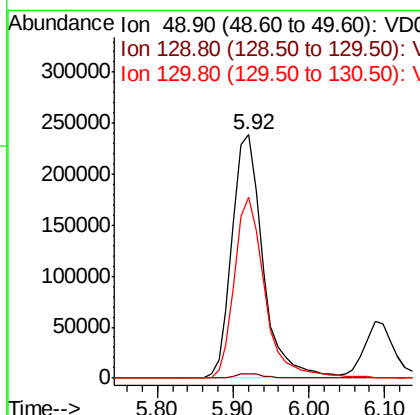
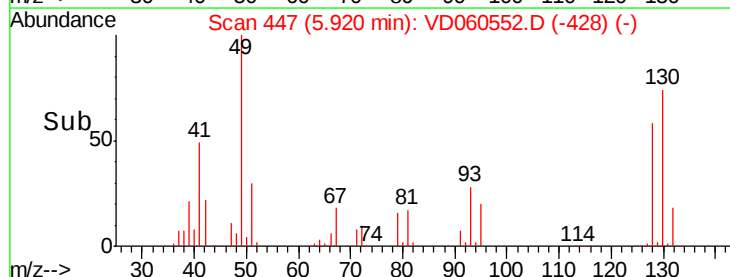
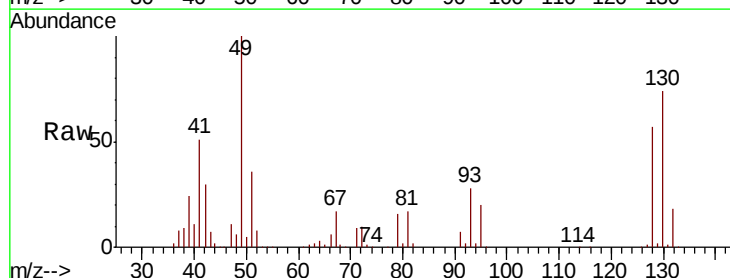
MMDadoda
12/14/2018 11:25:22 AM



#28

Bromochloromethane
Concen: 50.160 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	74.1	59.8	89.6	





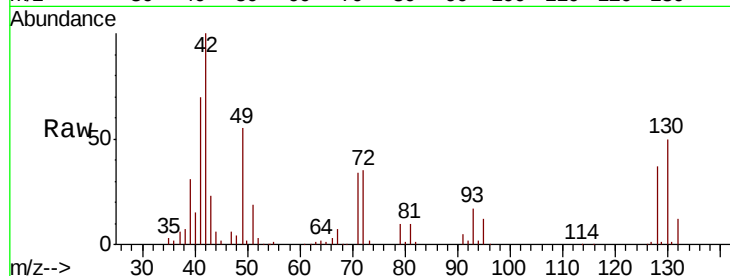
#29
Tetrahydrofuran
Concen: 263.760 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

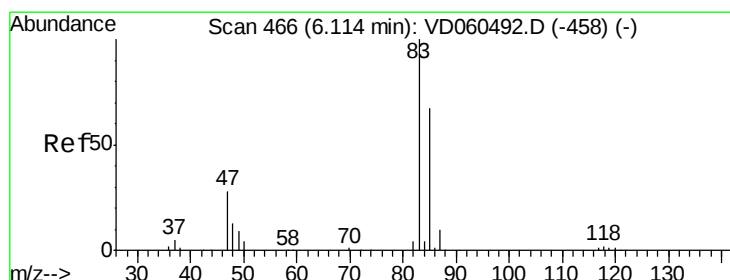
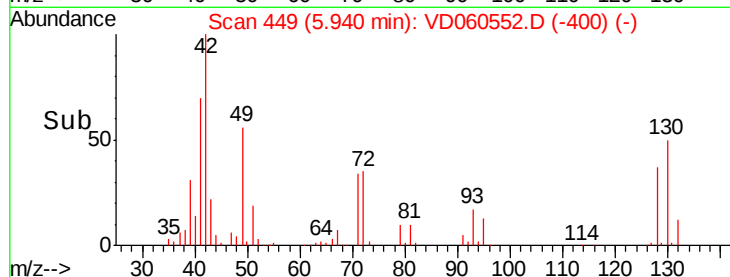
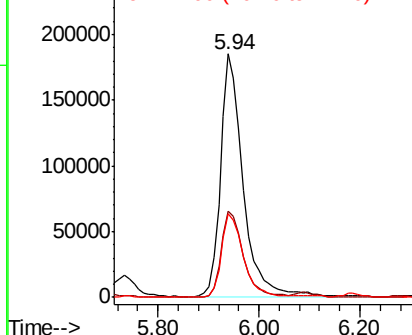
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	28.0	42.0
71	33.5	27.2	40.8

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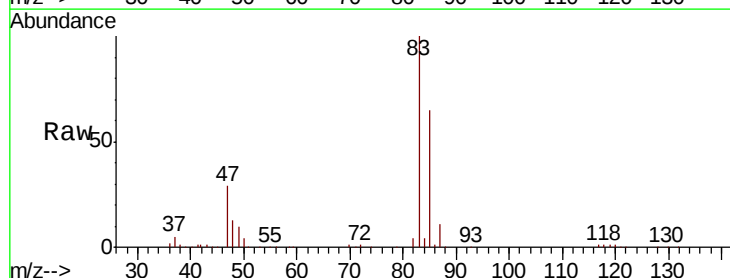


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

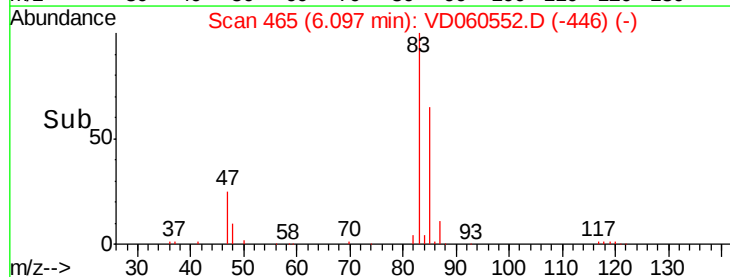
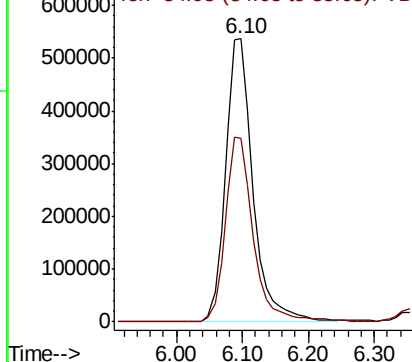


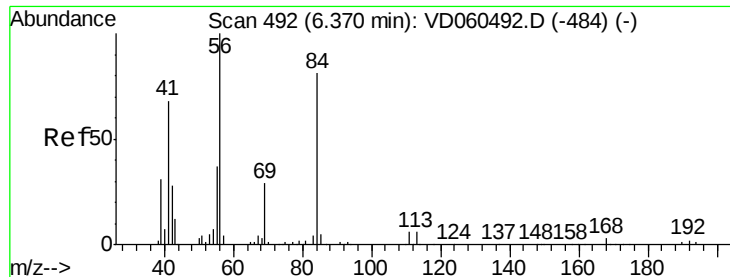
#30
Chloroform
Concen: 51.029 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





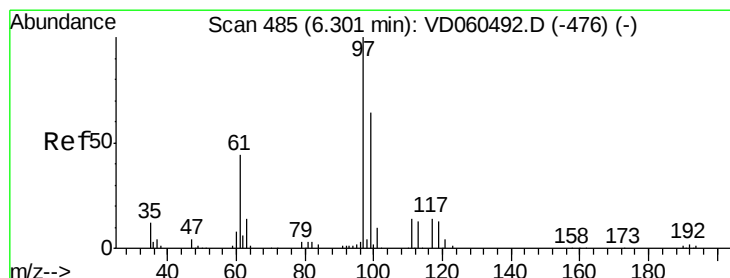
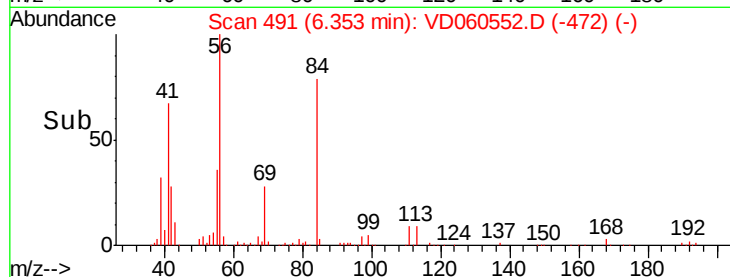
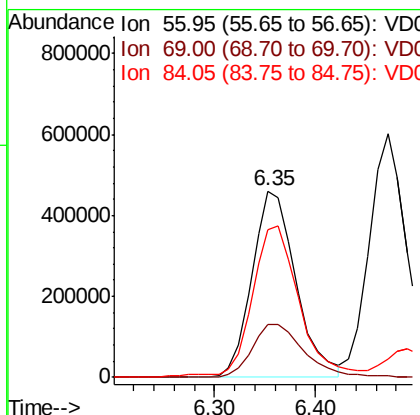
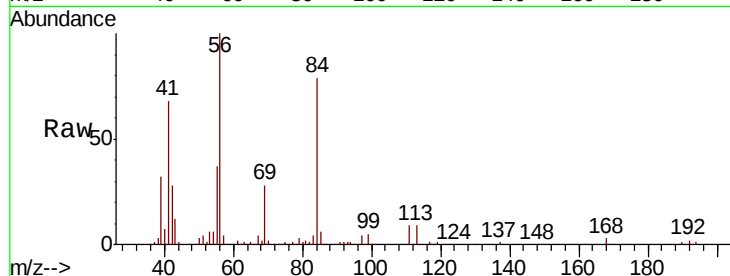
#31
Cyclohexane
Concen: 53.783 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.8	34.2
84	79.1	65.1	97.7

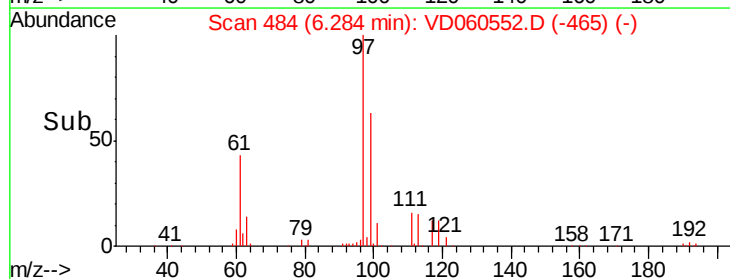
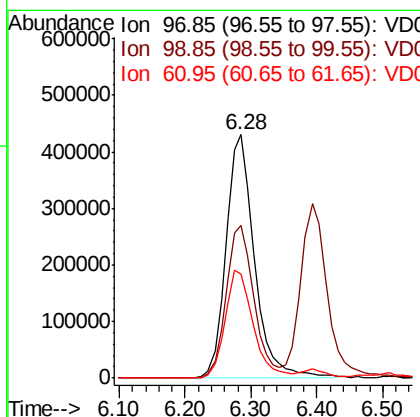
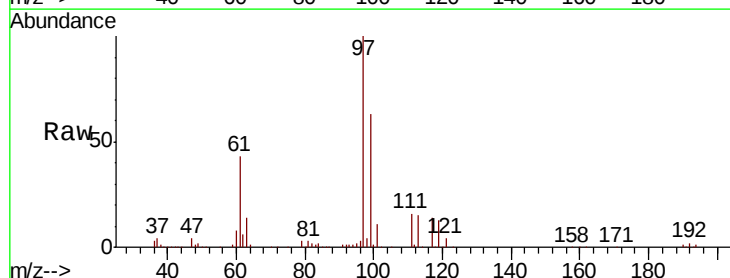
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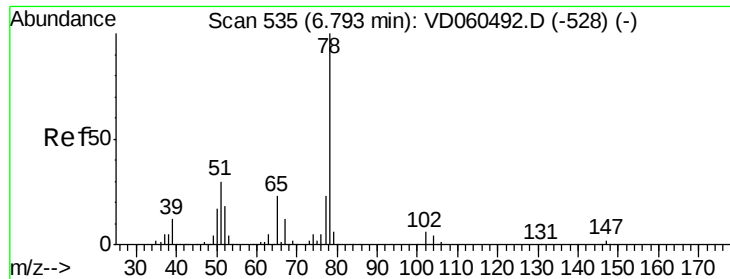
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12/14/2018 11:25:22 AM



#32
1,1,1-Trichloroethane
Concen: 51.614 ug/l
RT: 6.28 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.4
61	43.0	35.3	52.9





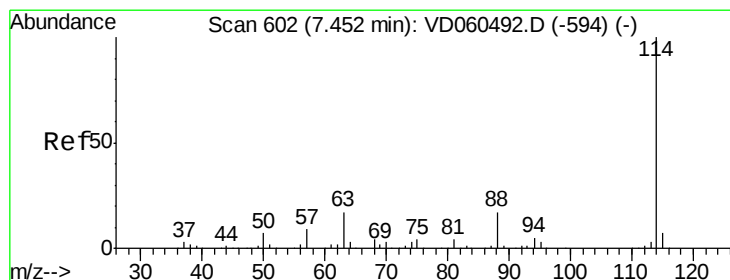
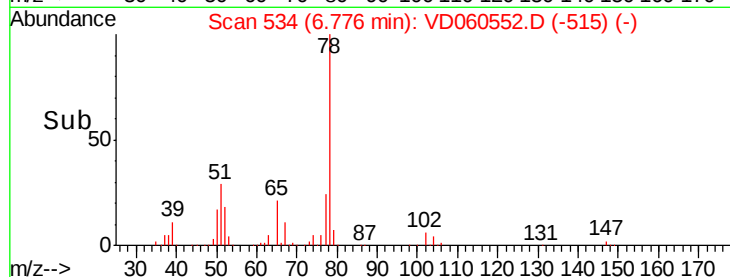
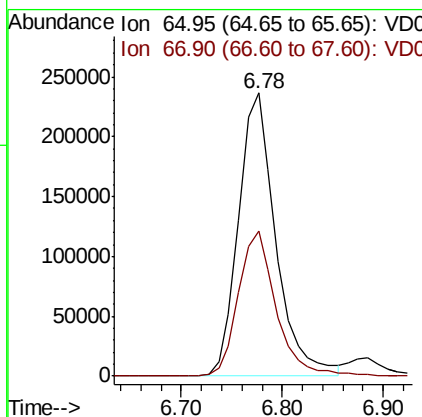
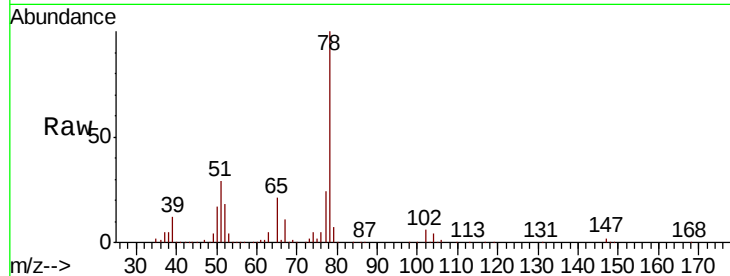
#33
 1,2-Dichloroethane-d4
 Concen: 51.614 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	106.8	

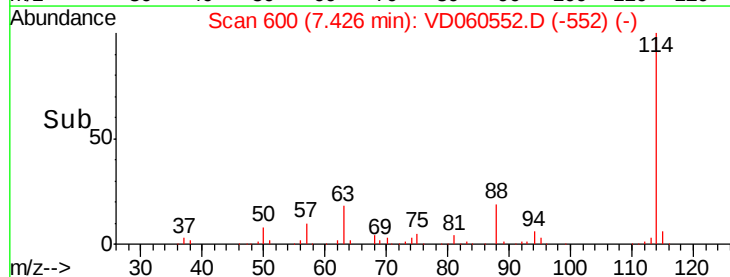
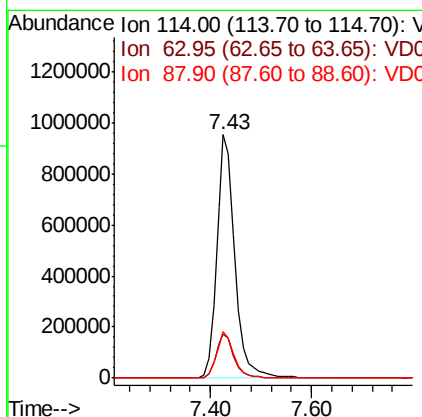
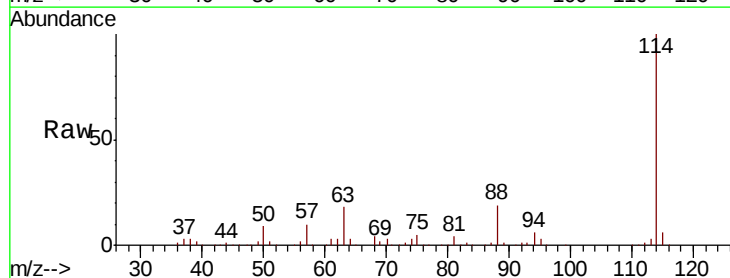
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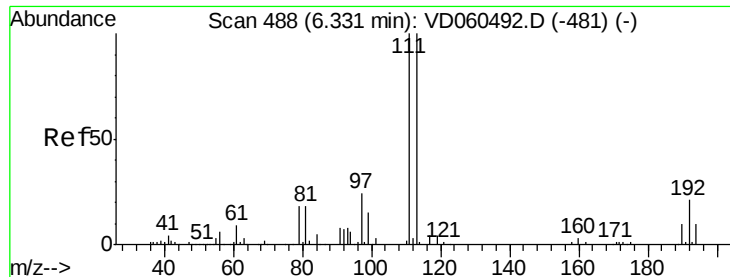
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 12/14/2018 11:25:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	34.2	
88	18.9	0.0	35.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

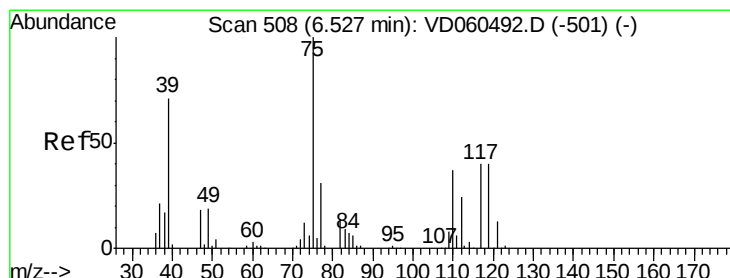
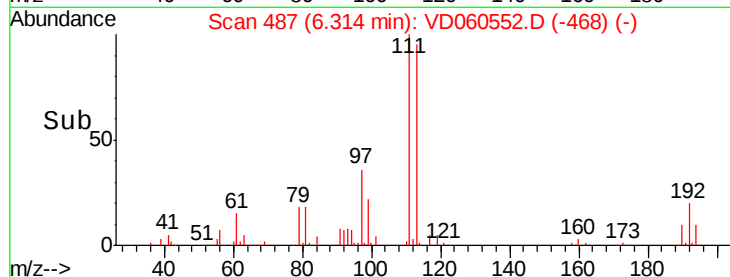
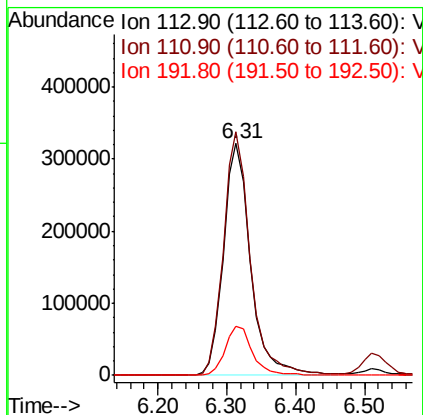
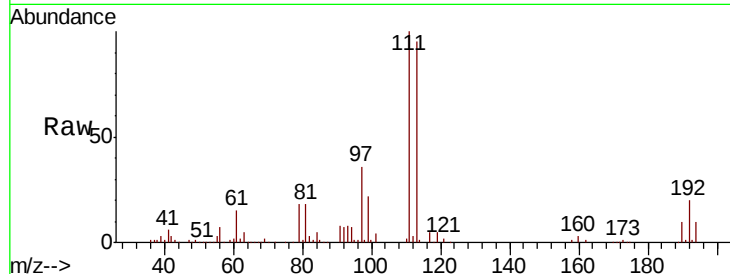
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	880151
Ion Ratio	Lower	Upper	
113	100		
111	105.0	80.2	120.4
192	21.4	16.6	24.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.590 ug/l

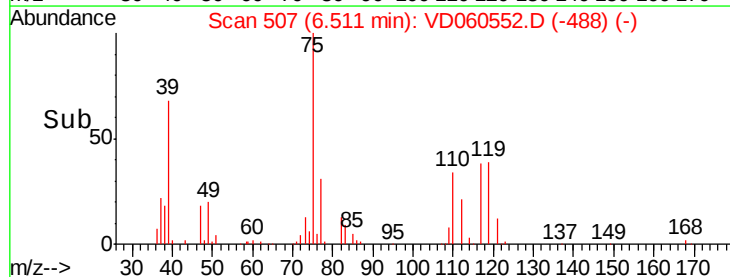
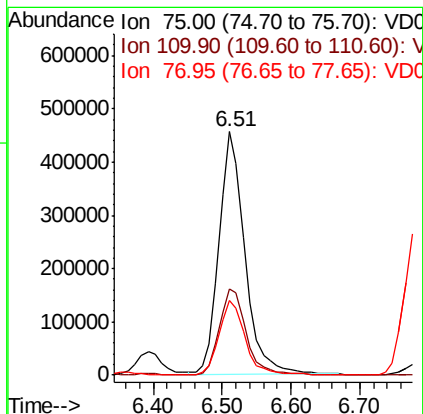
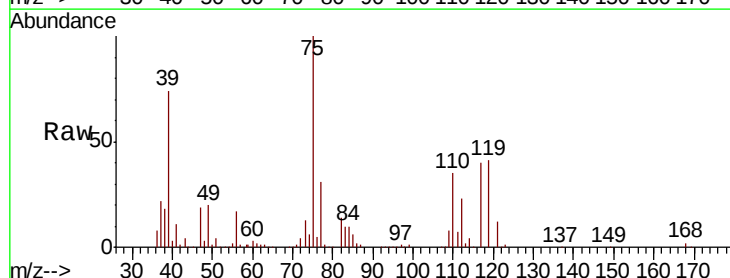
RT: 6.51 min Scan# 507

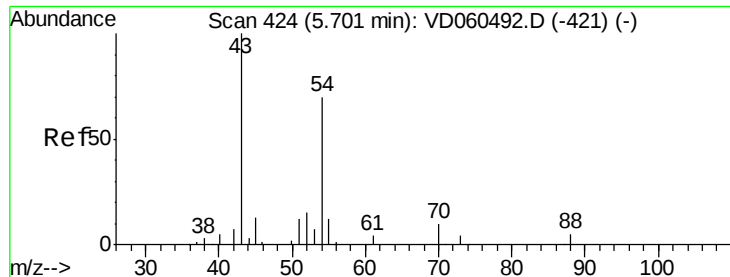
Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tgt Ion:	75	Resp:	1180826
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.3	54.8
77	30.8	24.6	37.0





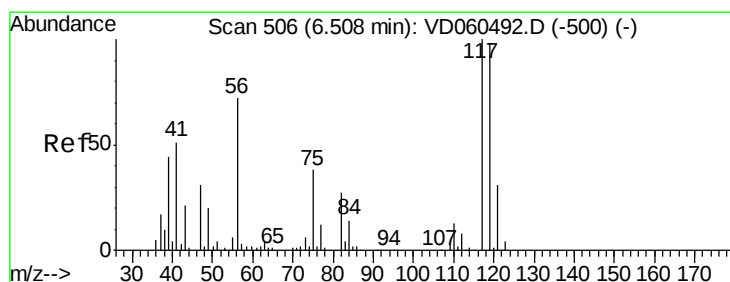
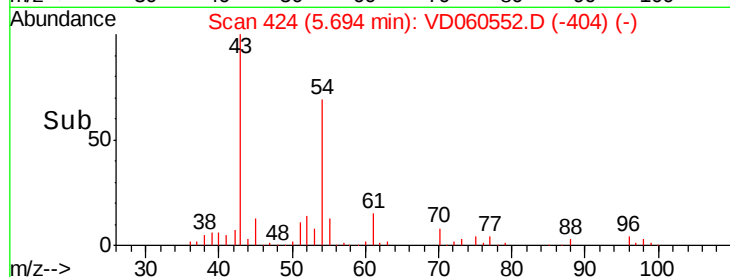
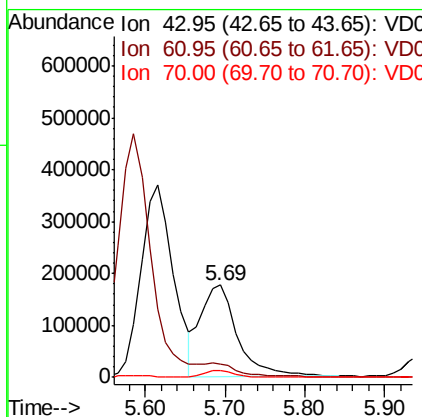
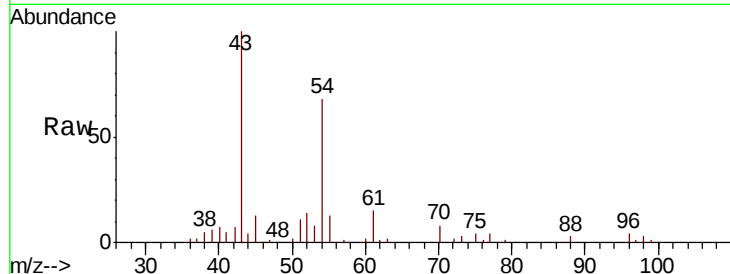
#37
Ethyl Acetate
Concen: 55.335 ug/l
RT: 5.69 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	7.7	5.4	8.0

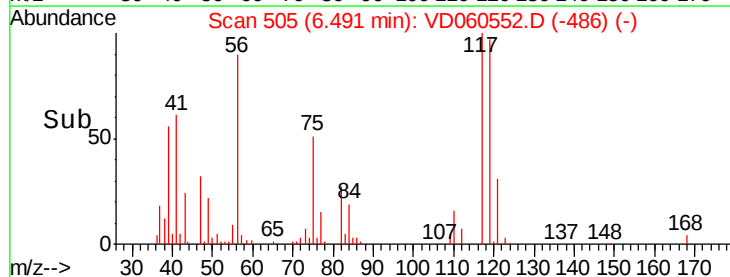
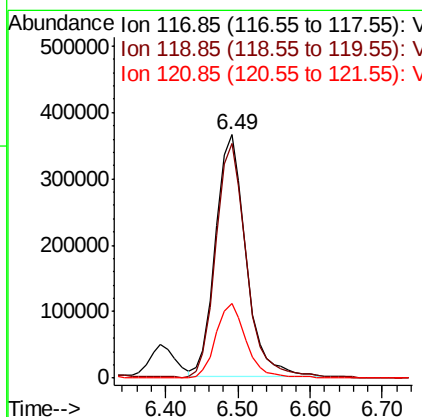
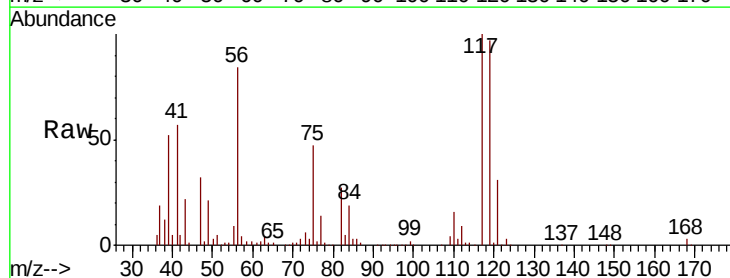
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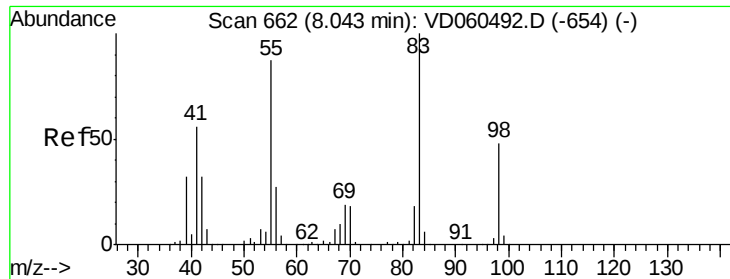
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#38
Carbon Tetrachloride
Concen: 50.964 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	30.8	24.4	36.6





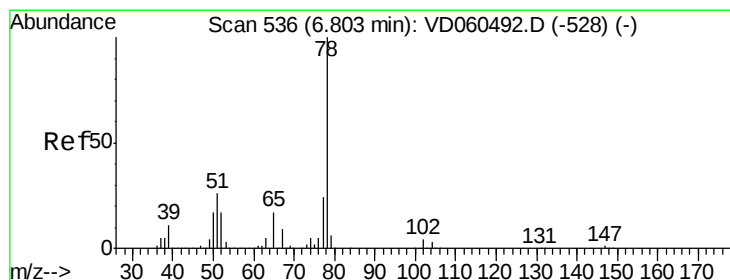
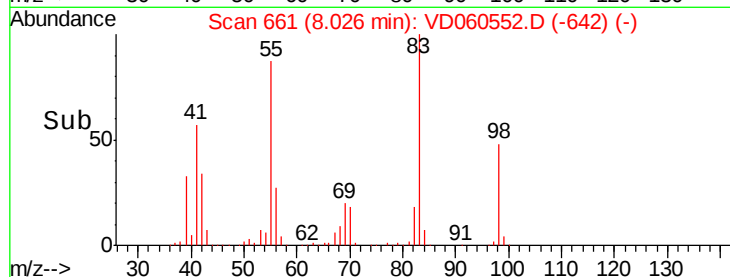
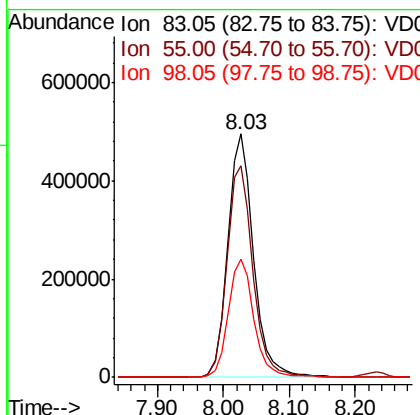
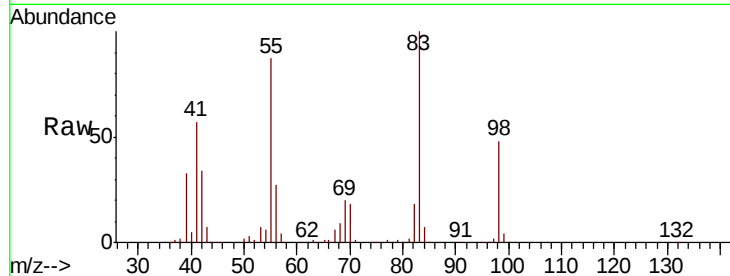
#39
Methvlcvclohexane
Concen: 50.796 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1351613
Ion Ratio Lower Upper
83 100
55 87.1 69.8 104.8
98 48.5 38.4 57.6

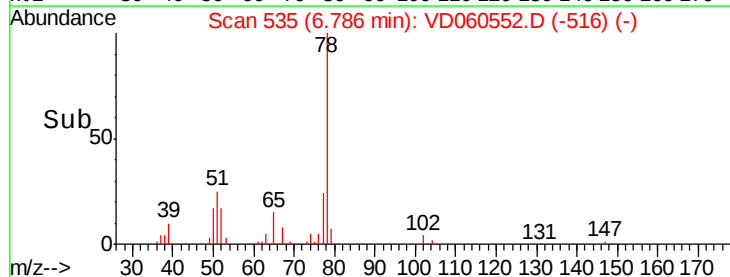
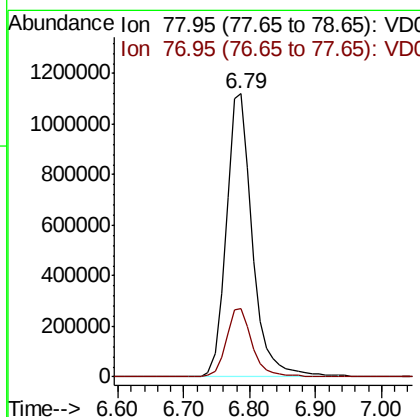
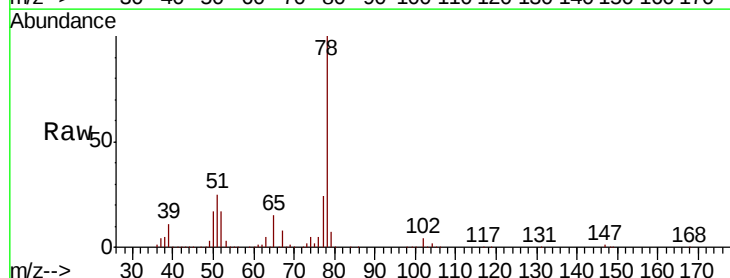
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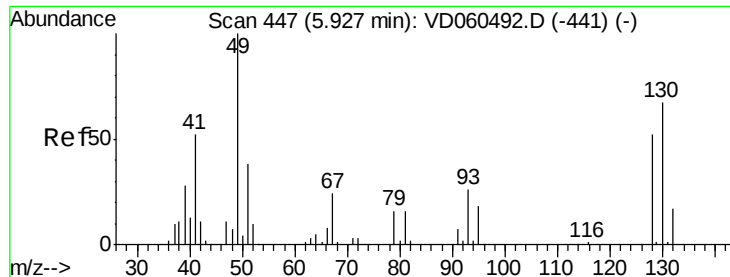
MMDadoda
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#40
Benzene
Concen: 51.990 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 78 Resp: 3101337
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





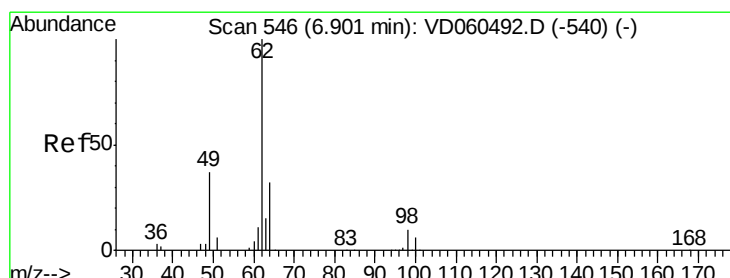
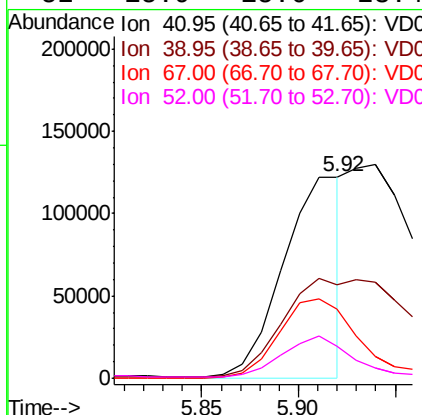
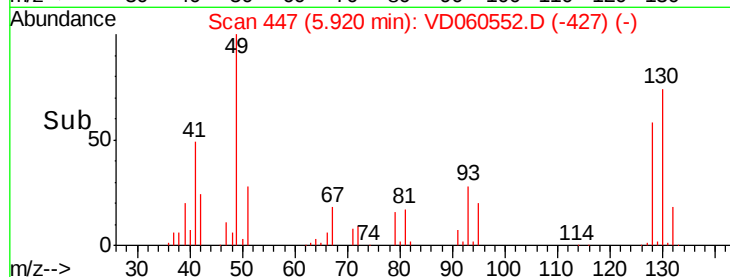
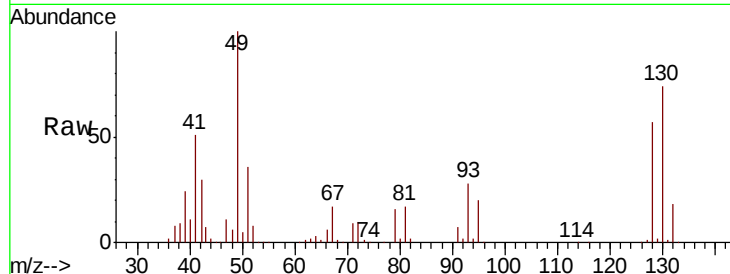
#41
Methacrylonitrile
Concen: 48.723 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.6	42.6	63.8
67	34.2	36.2	54.4
52	15.9	15.6	23.4

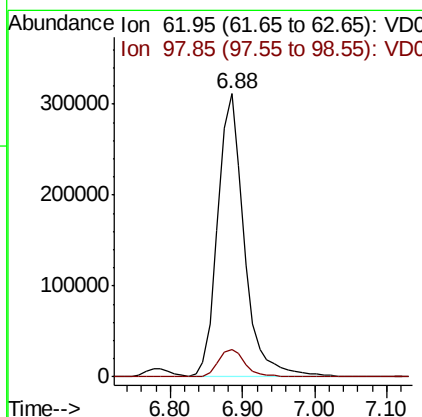
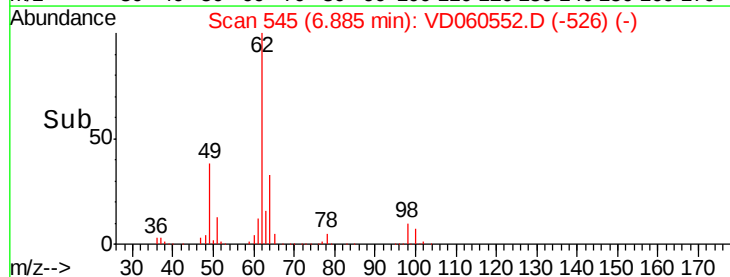
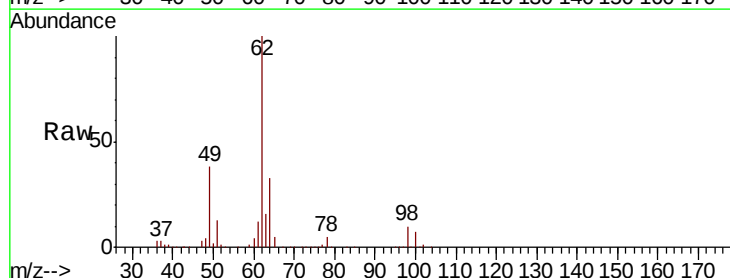
Manual Integrations
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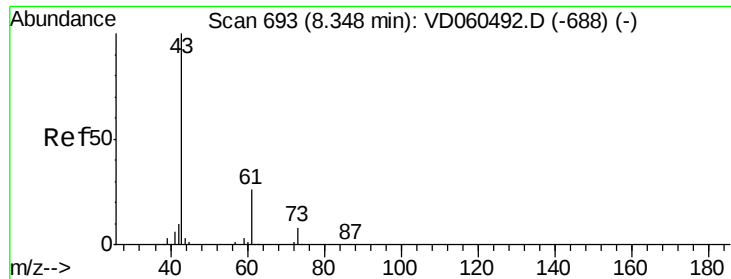
MMDadoda
12/14/2018 11:25:22 AM



#42
1,2-Dichloroethane
Concen: 51.734 ug/l
RT: 6.88 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 53.451 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

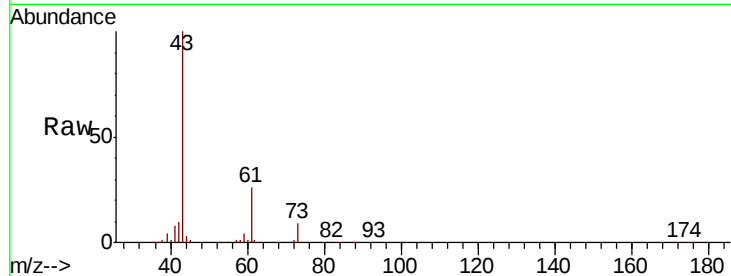
ClientSampleId :

VSTDCCC050

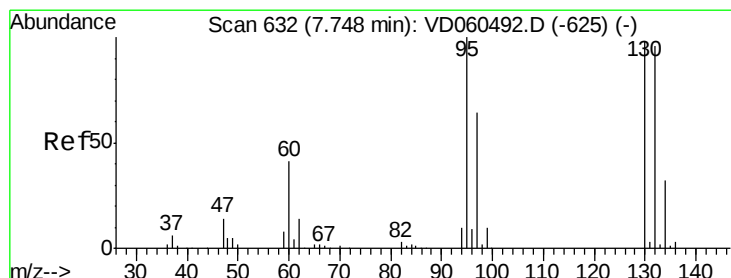
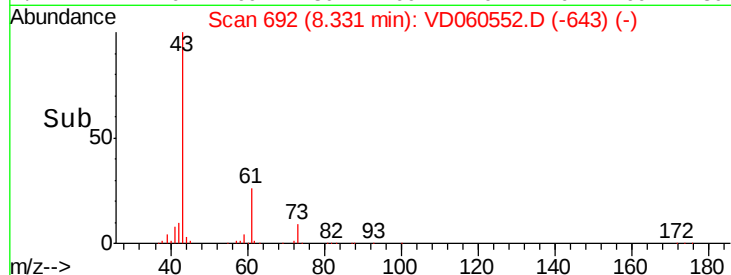
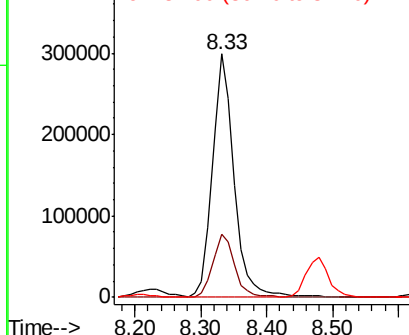
Tot Ion:	43	Resp:	667906
Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.4
87	0.2	0.2	0.2

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



#44

Trichloroethene

Concen: 52.514 ug/l

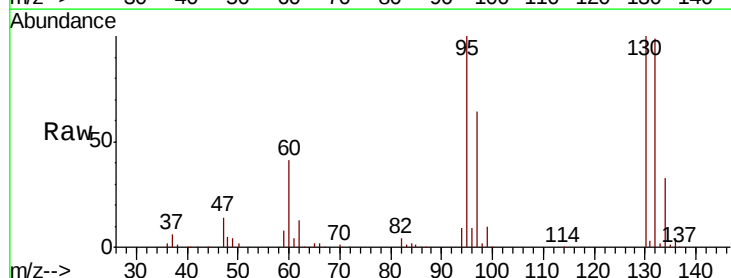
RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

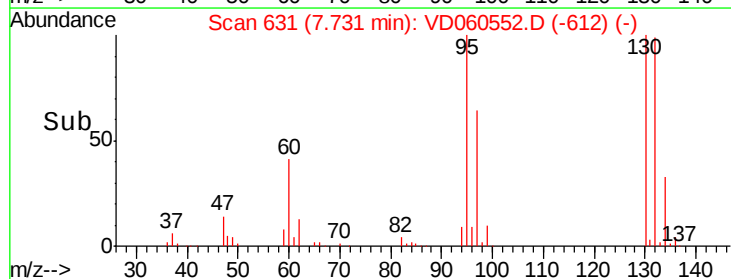
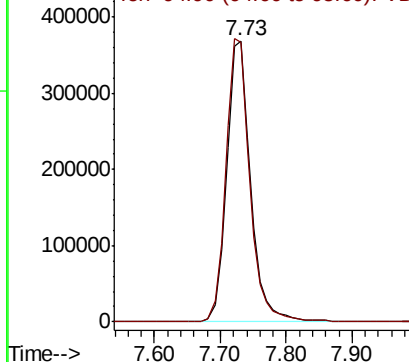
Lab File: VD060552.D

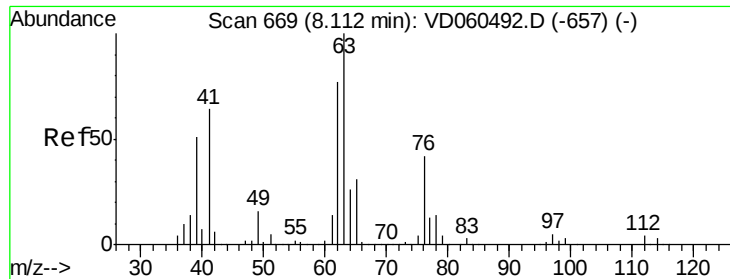
Acq: 13 Dec 2018 10:42

Tgt Ion:	130	Resp:	936180
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.8



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





#45

1,2-Dichloropropane

Concen: 52.333 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 772094

Ion Ratio Lower Upper

63 100

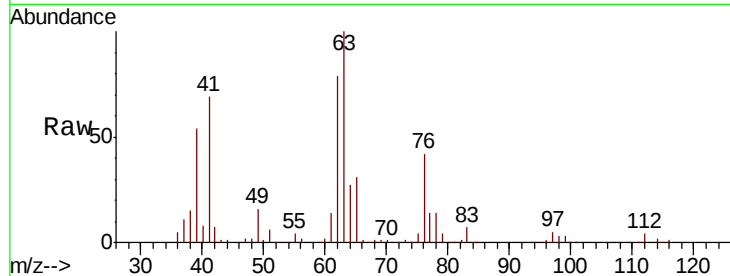
65 31.3 24.6 37.0

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

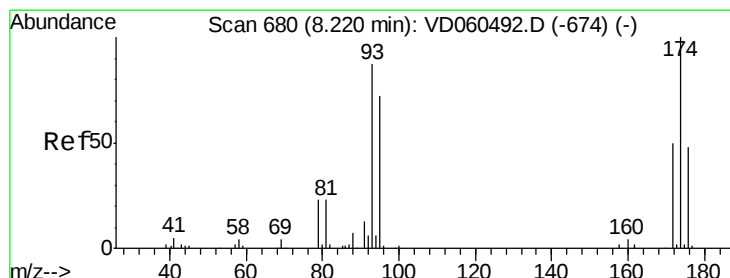
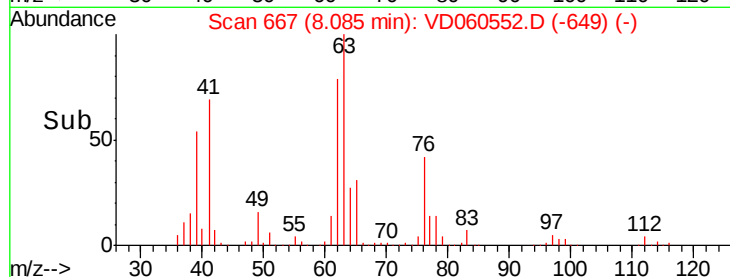
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 52.070 ug/l

RT: 8.20 min Scan# 679

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

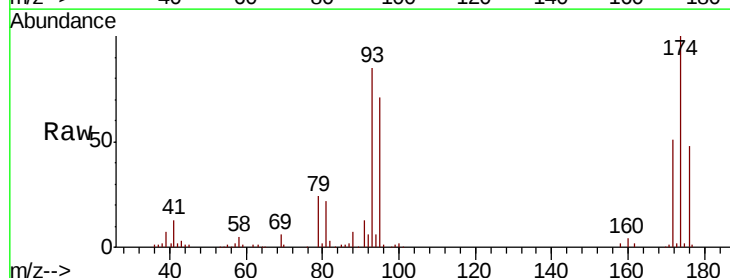
Tgt Ion: 93 Resp: 443859

Ion Ratio Lower Upper

93 100

95 83.7 65.6 98.4

174 117.4 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

300000

250000

200000

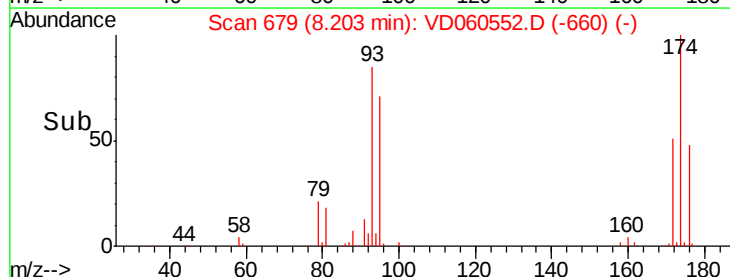
150000

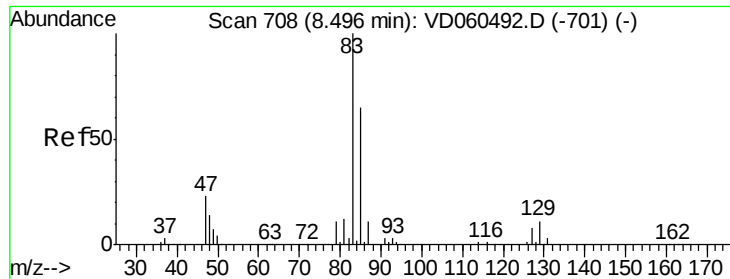
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 52.099 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1053727

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.4

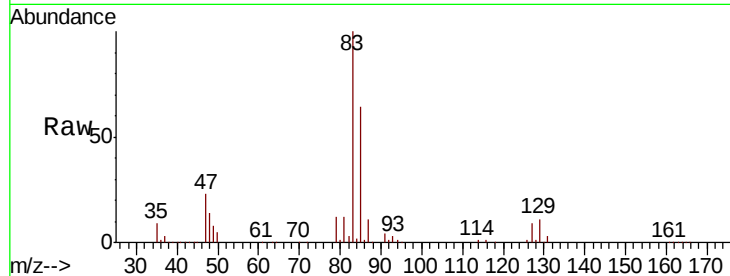
127 8.6 6.7 10.1

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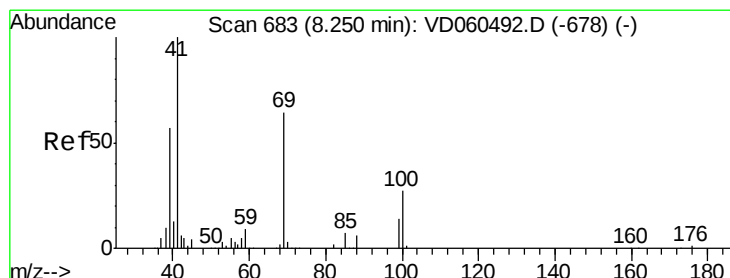
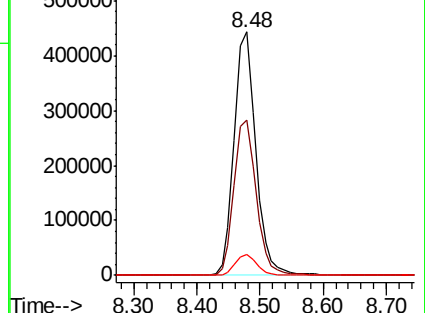
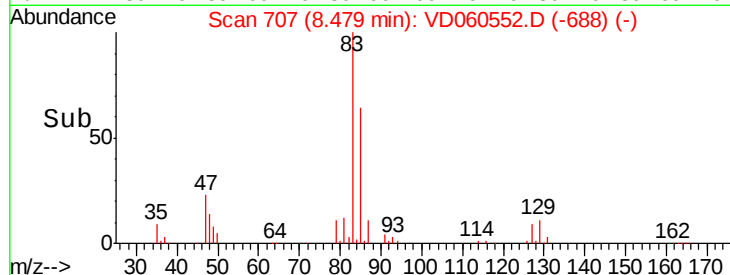
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.365 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

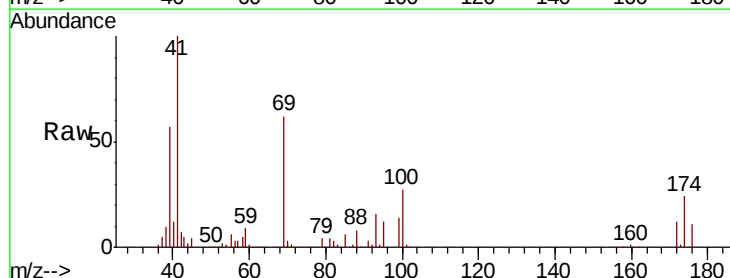
Tgt Ion: 41 Resp: 394567

Ion Ratio Lower Upper

41 100

69 61.7 50.2 75.4

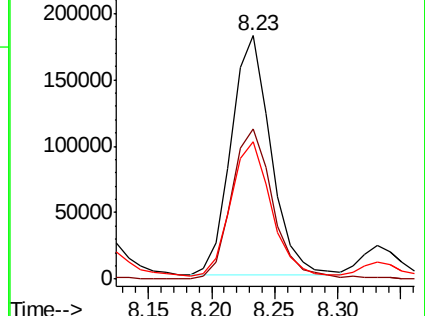
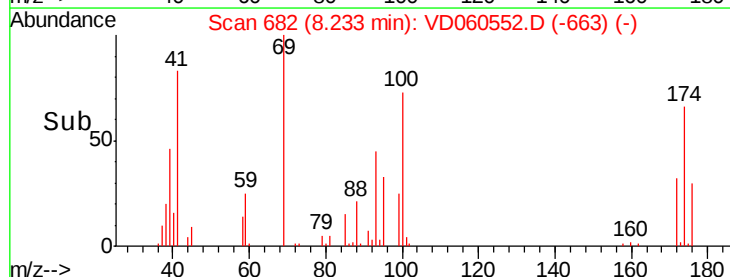
39 56.7 46.1 69.1

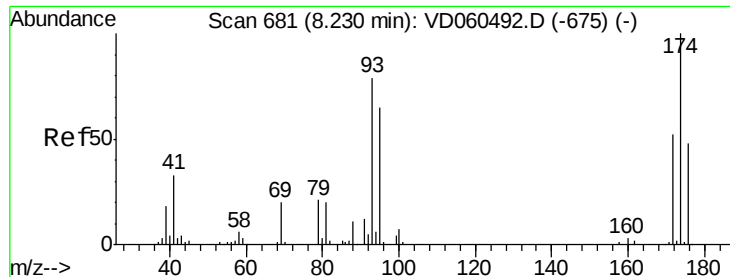


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





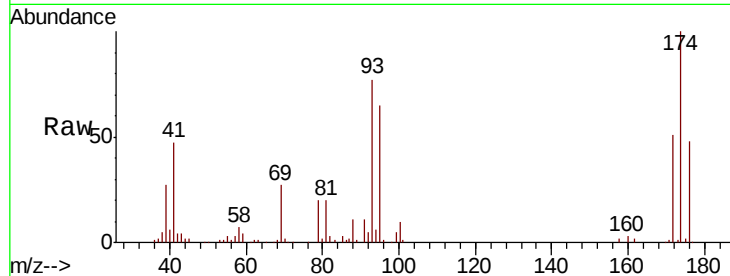
#49
1,4-Dioxane
Concen: 1091.121 ug/l
RT: 8.21 min Scan# 680
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

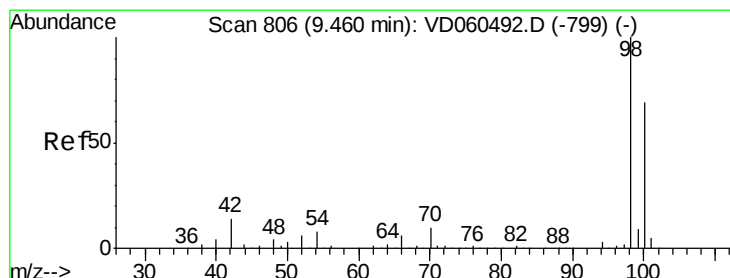
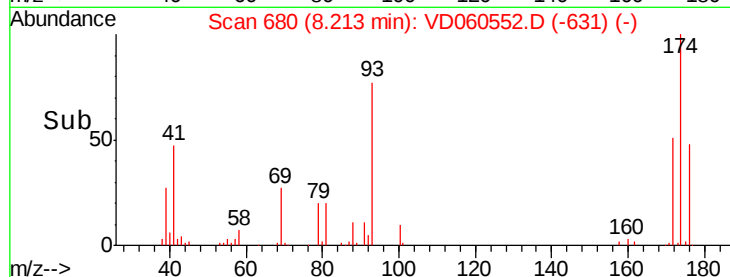
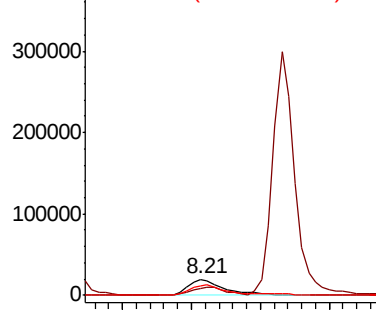
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	32.9	49.3
58	62.3	47.7	71.5

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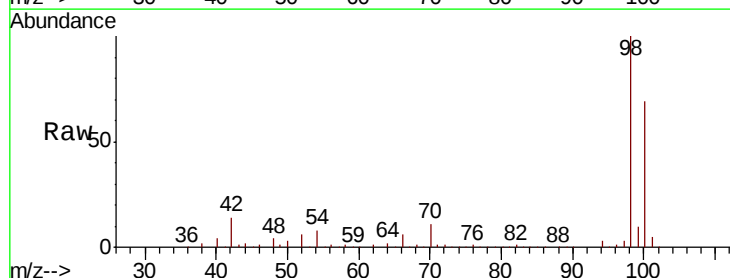


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

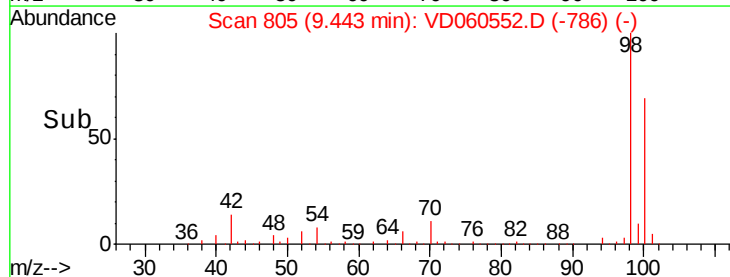
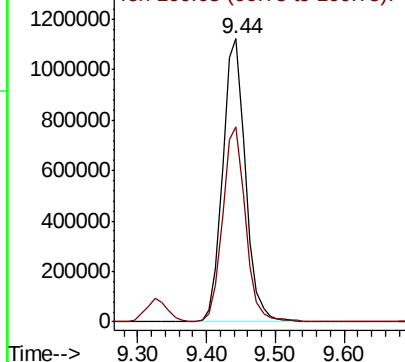


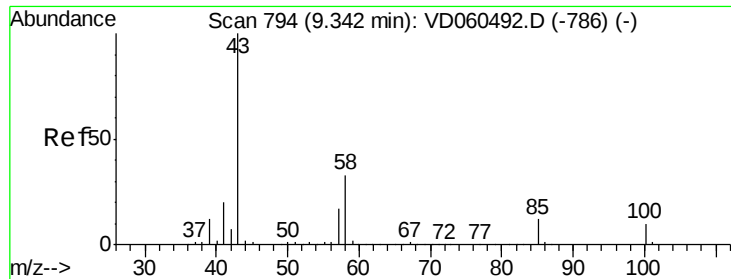
#50
Toluene-d8
Concen: 1091.121 ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	55.7	83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 268.230 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2084920

Ion Ratio Lower Upper

43 100

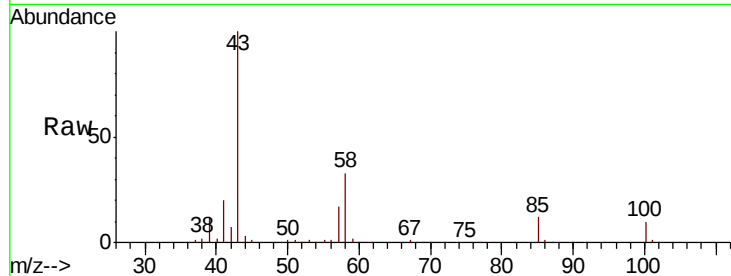
58 33.2 26.3 39.5

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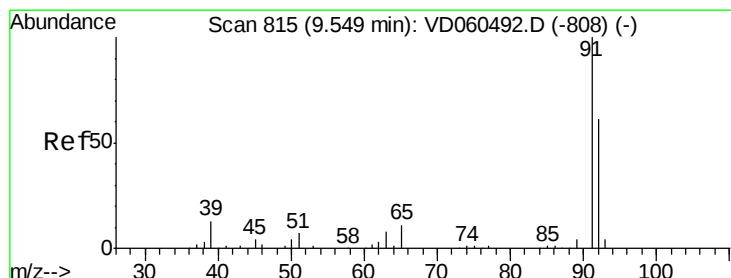
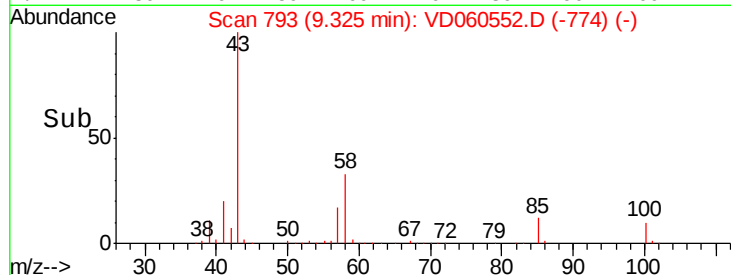
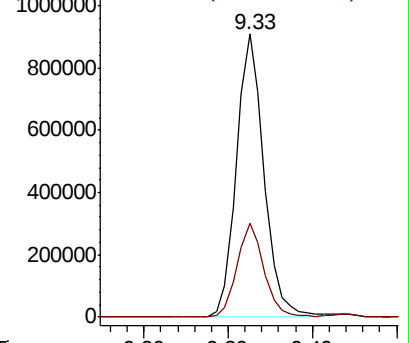
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.187 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060552.D

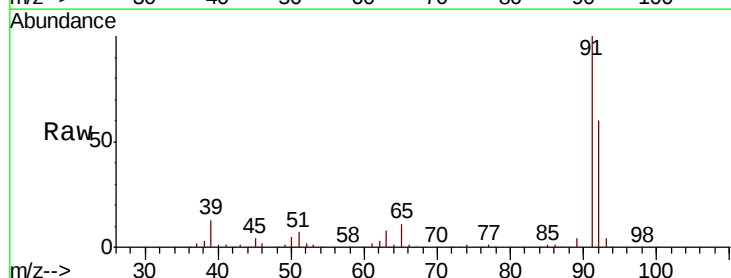
Acq: 13 Dec 2018 10:42

Tgt Ion: 92 Resp: 1908482

Ion Ratio Lower Upper

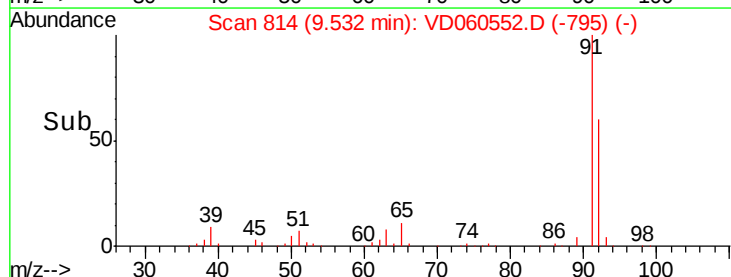
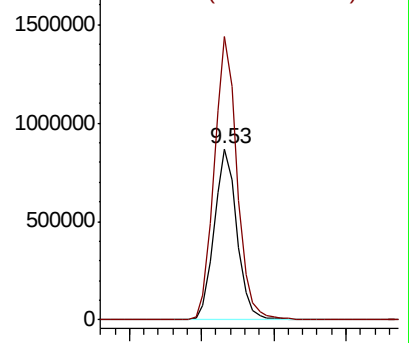
92 100

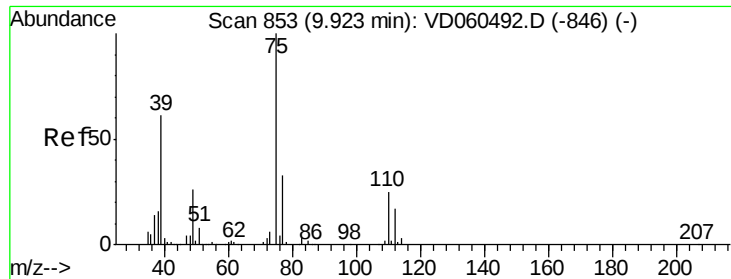
91 165.6 131.7 197.5



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: 54.339 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 903072

Ion Ratio Lower Upper

75 100

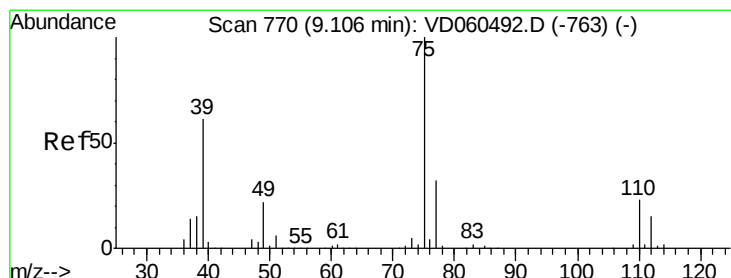
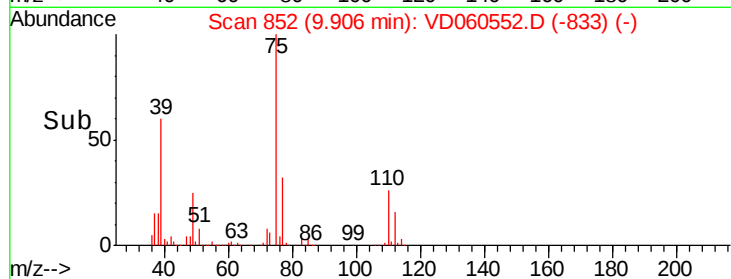
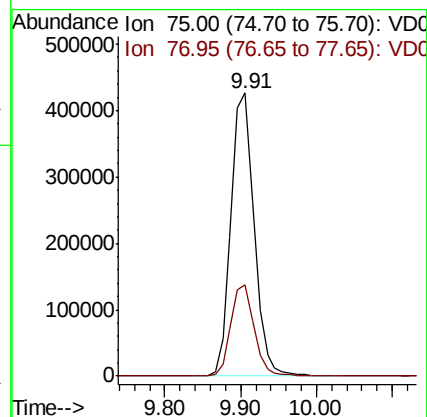
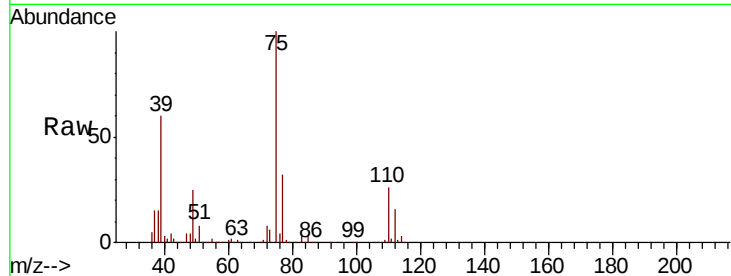
77 32.3 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 53.923 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

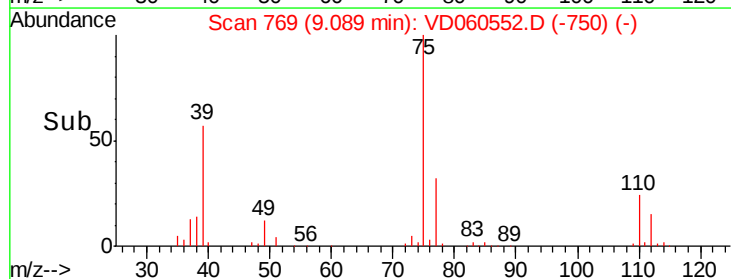
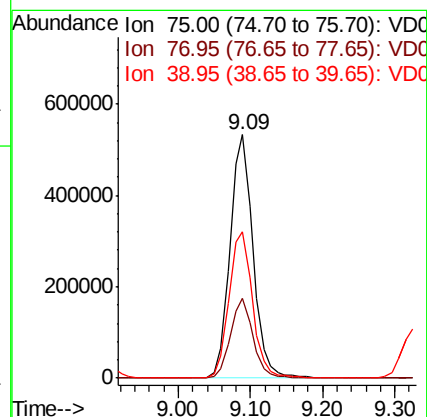
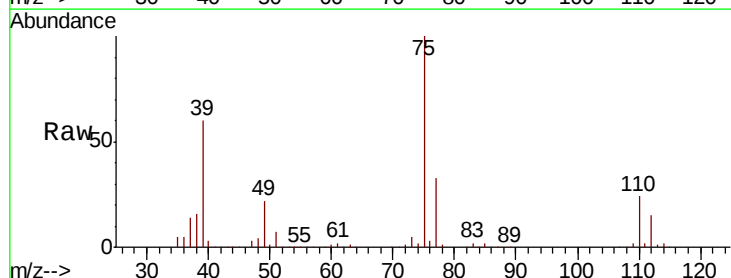
Tgt Ion: 75 Resp: 1177428

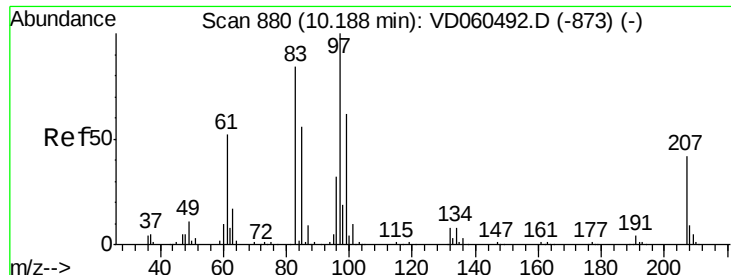
Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

39 59.9 48.6 73.0





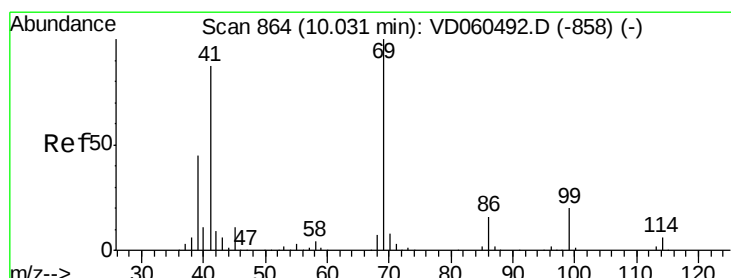
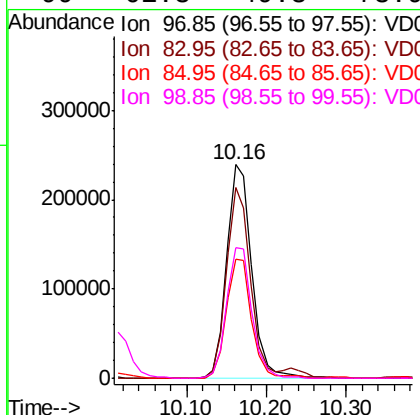
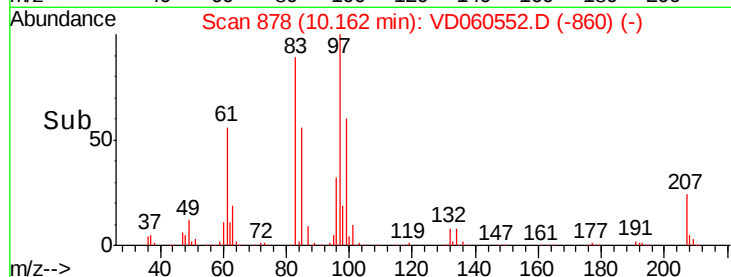
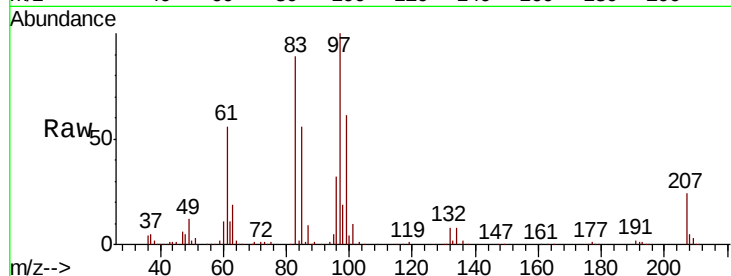
#55
 1,1,2-Trichloroethane
 Concen: 51.041 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		529954		
83	89.2	67.2	100.8		
85	55.9	44.5	66.7		
99	61.3	49.3	73.9		

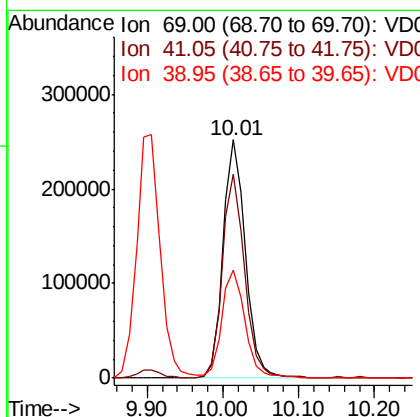
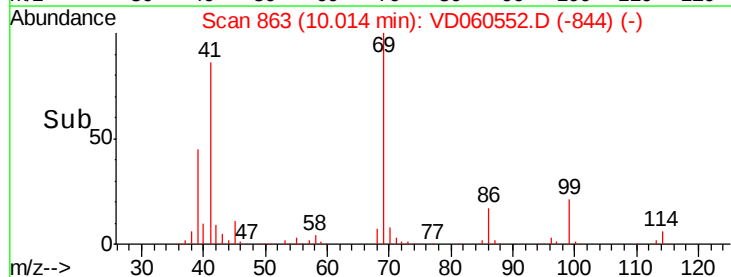
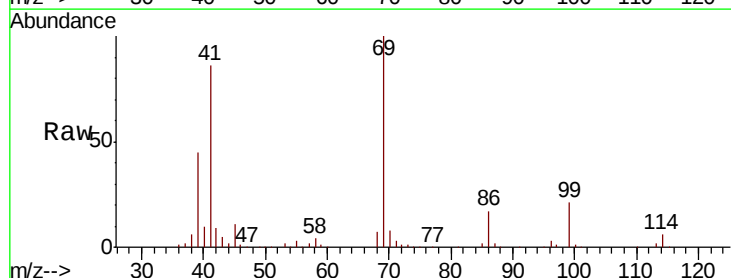
Manual Integrations
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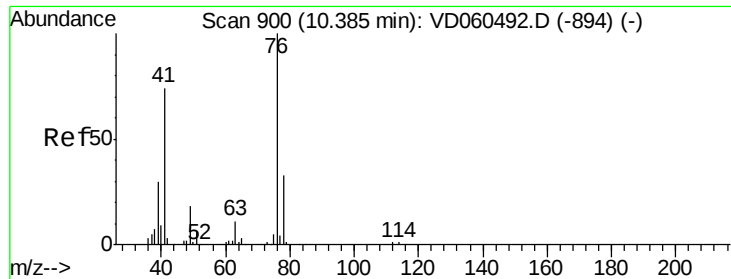
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 12/14/2018 11:25:22 AM



#56
 Ethyl methacrylate
 Concen: 54.809 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		515031		
41	85.6	69.8	104.8		
39	45.1	37.5	56.3		





#57

1,3-Dichloropropane

Concen: 52.822 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 847833

Ion Ratio Lower Upper

76 100

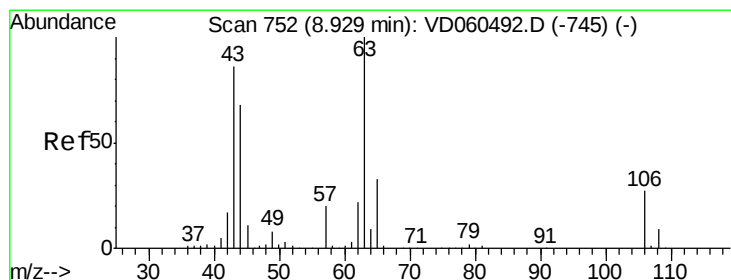
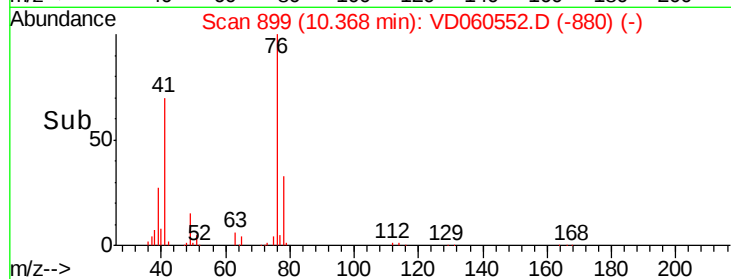
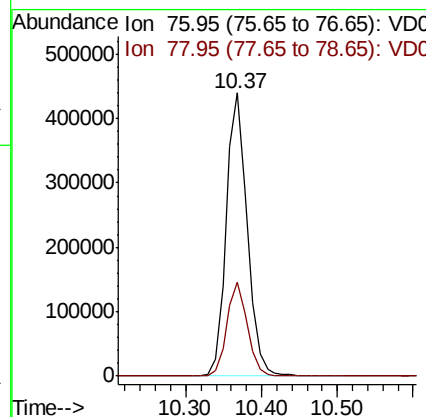
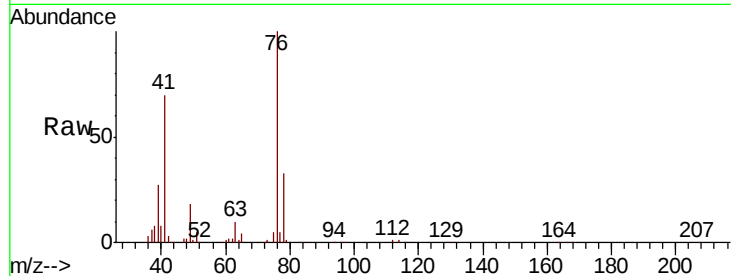
78 33.4 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 267.711 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060552.D

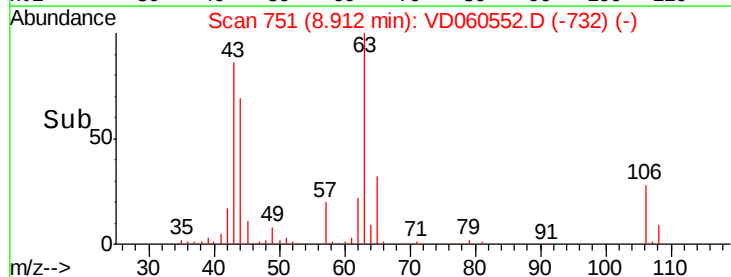
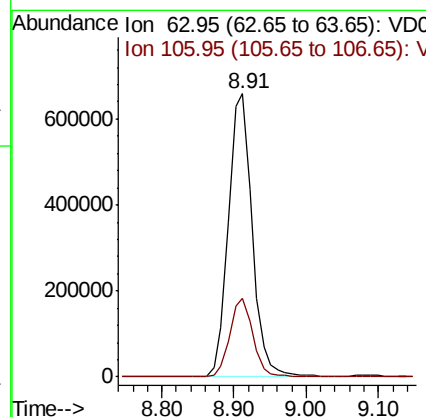
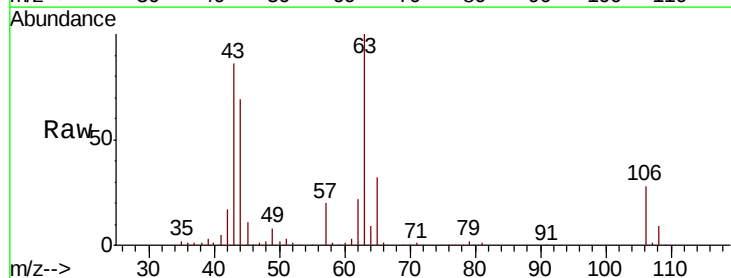
Acq: 13 Dec 2018 10:42

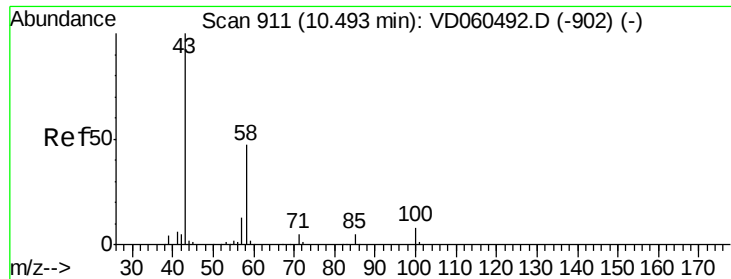
Tgt Ion: 63 Resp: 1505220

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4





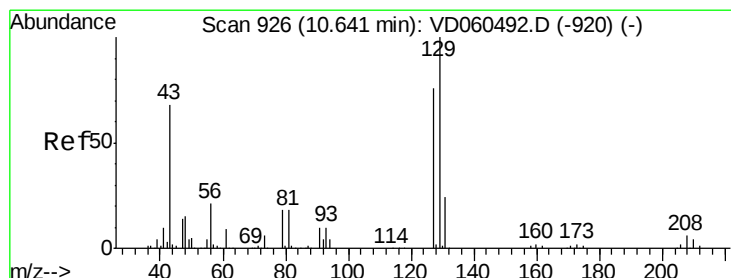
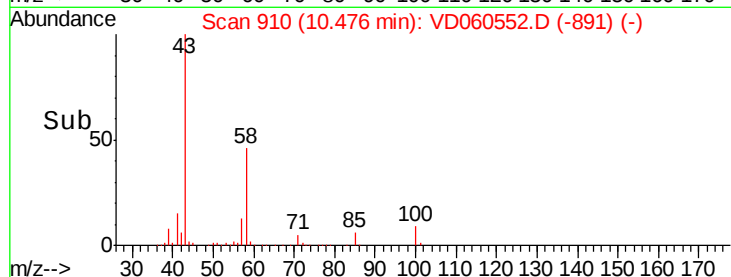
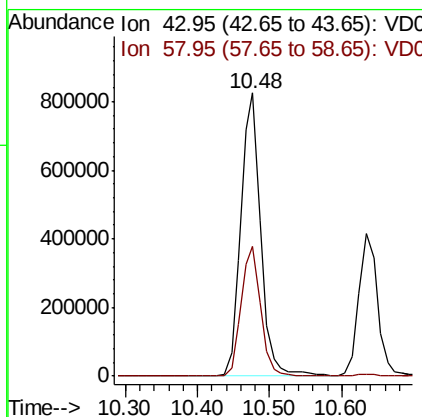
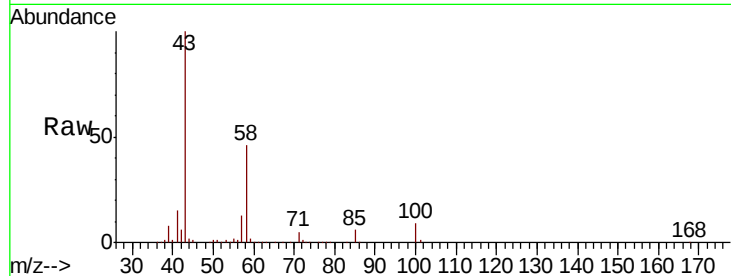
#59
2-Hexanone
Concen: 293.259 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1593293
Ion Ratio Lower Upper
43 100
58 46.0 23.4 70.2

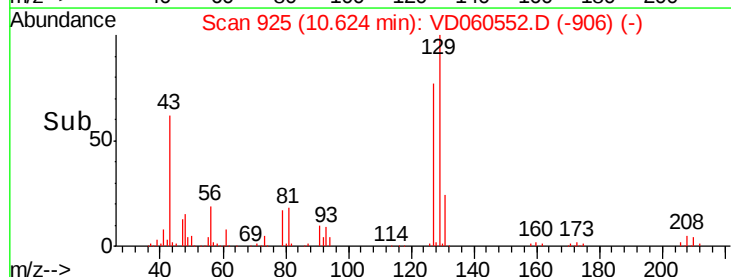
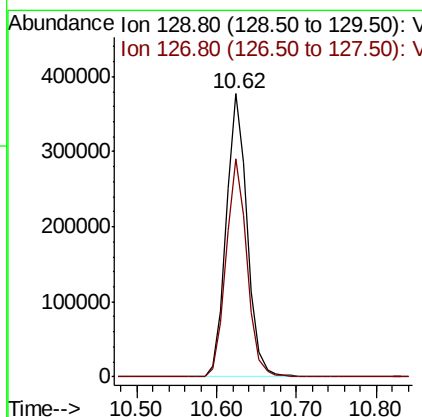
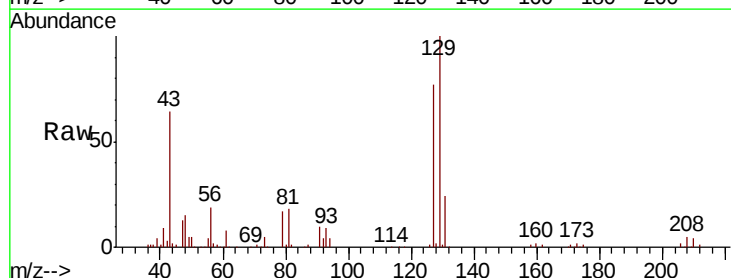
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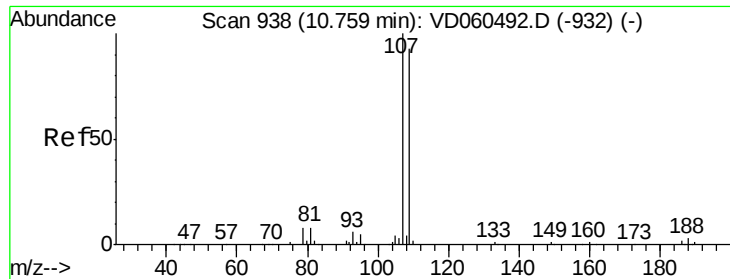
MMDadoda
12/14/2018 11:25:22 AM



#60
Dibromochloromethane
Concen: 54.000 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion:129 Resp: 701010
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 52.635 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 556954

Ion Ratio Lower Upper

107 100

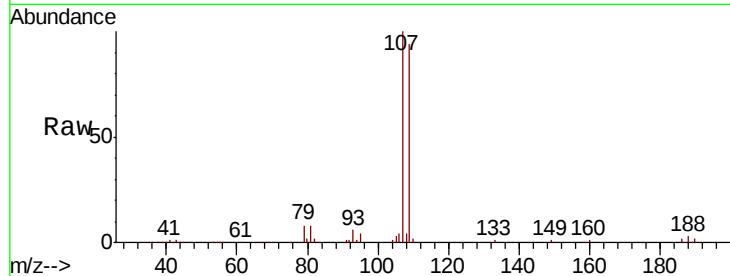
109 94.0 74.7 112.1

Manual Integrations

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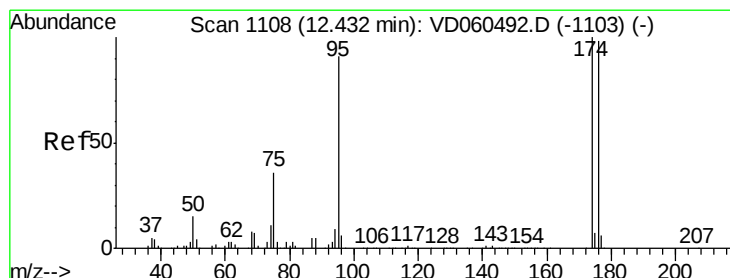
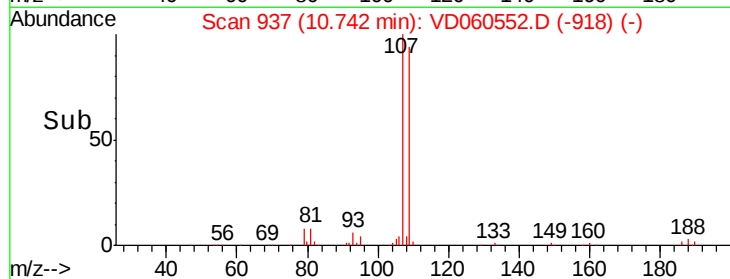
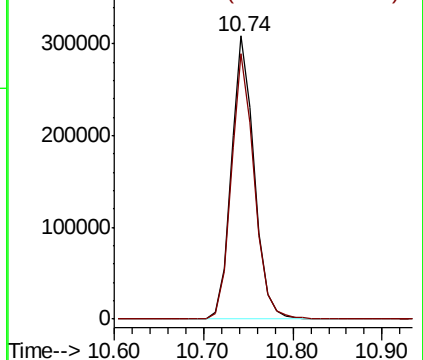
MMDadoda

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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: 52.635 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

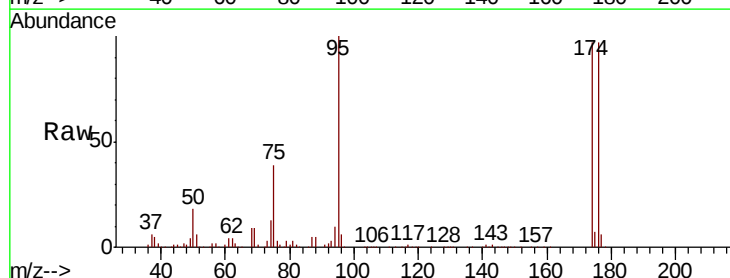
Tgt Ion: 95 Resp: 907752

Ion Ratio Lower Upper

95 100

174 97.3 0.0 219.4

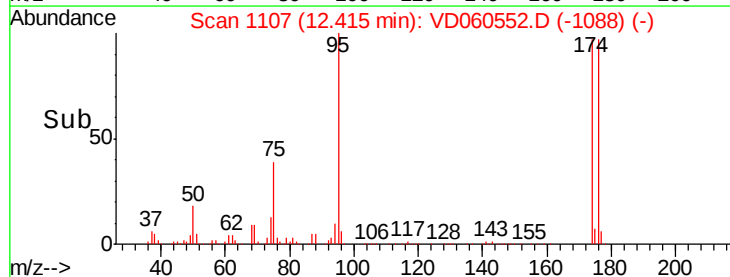
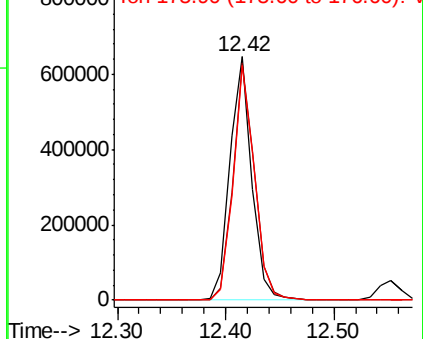
176 96.5 0.0 214.6

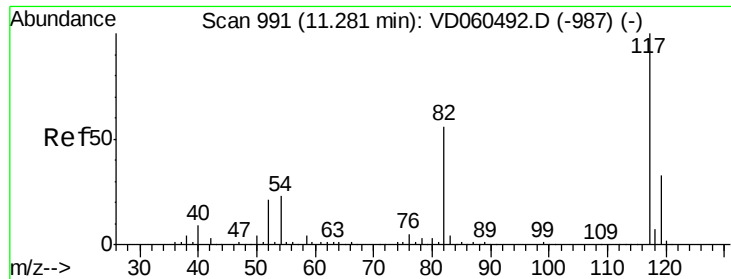


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





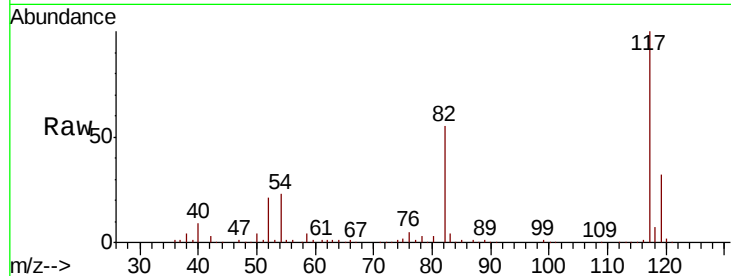
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.2	67.8
119	31.6	26.1	39.1

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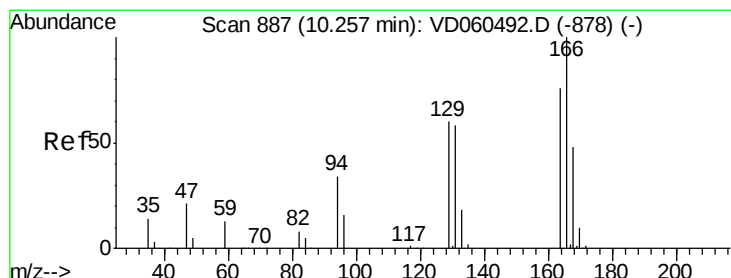
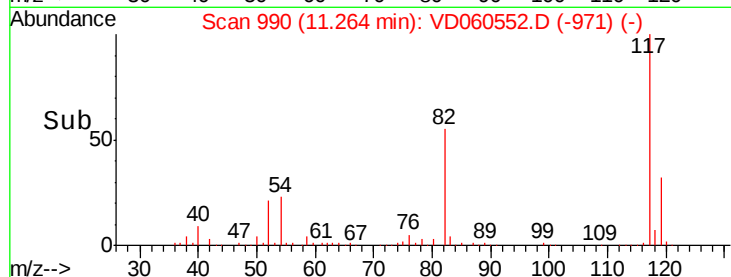
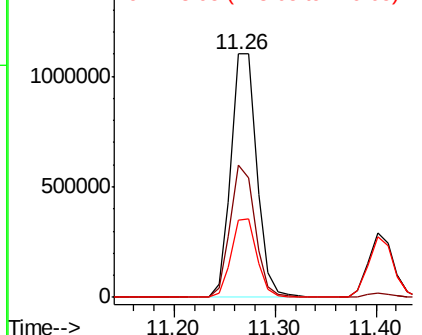


Abundance

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: 48.698 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	105.0	157.6
129	77.7	63.0	94.4
131	74.6	60.6	90.8

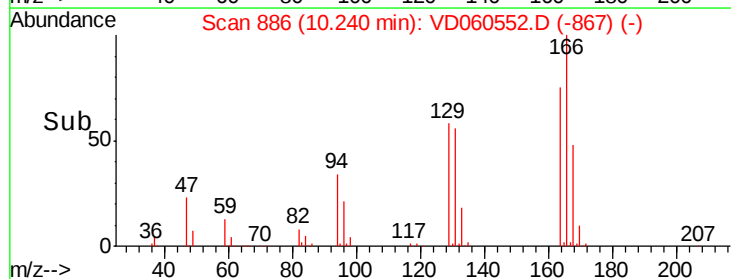
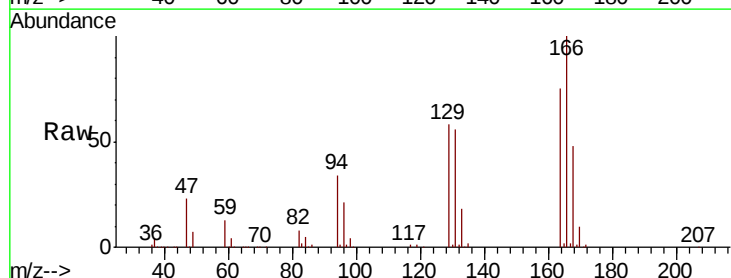
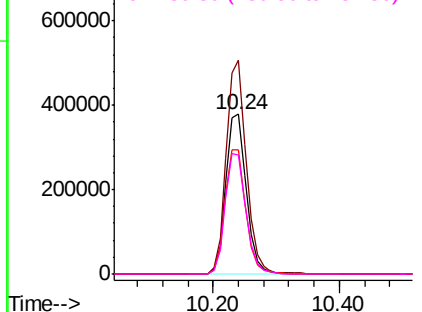
Abundance

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: 49.072 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2039664

Ion Ratio Lower Upper

112 100

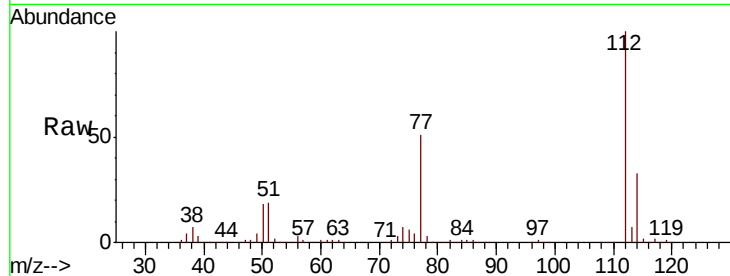
114 33.1 26.2 39.4

Manual Integrations

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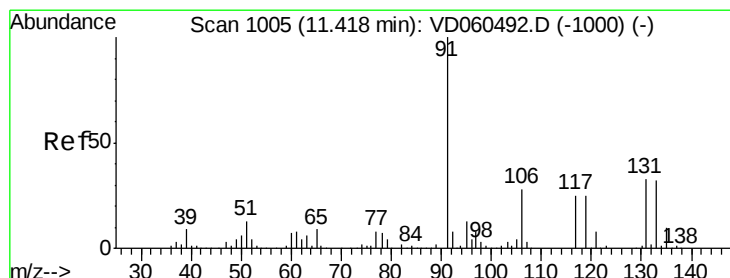
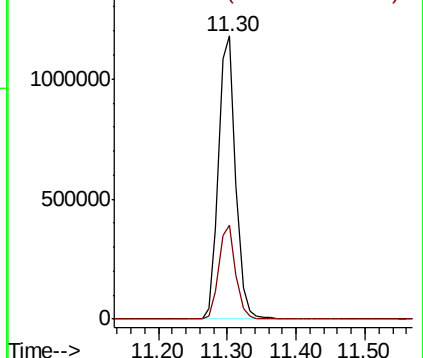
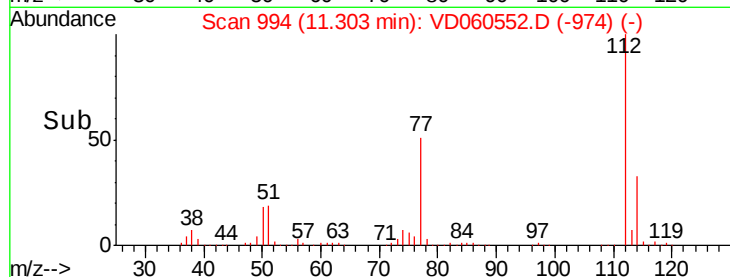
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.693 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

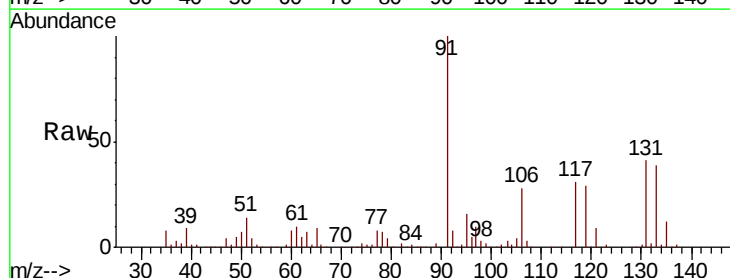
Tgt Ion:131 Resp: 665731

Ion Ratio Lower Upper

131 100

133 95.9 49.1 147.3

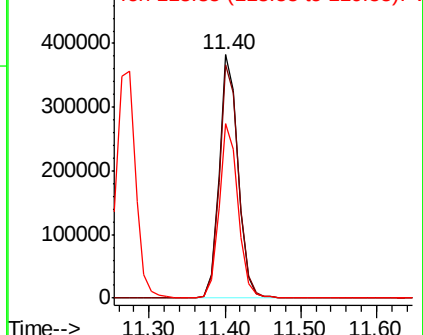
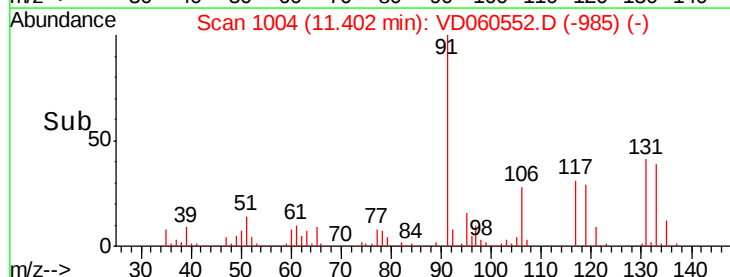
119 71.9 37.5 112.3



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





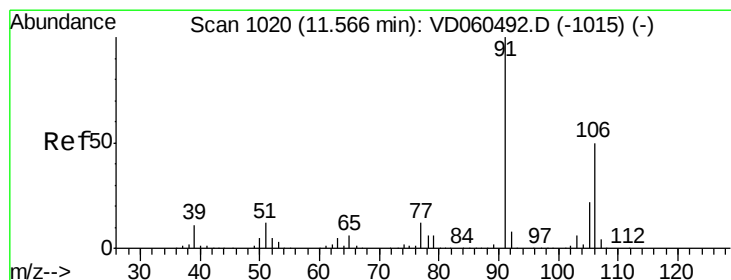
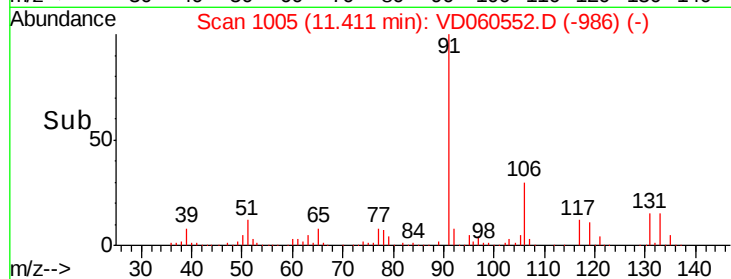
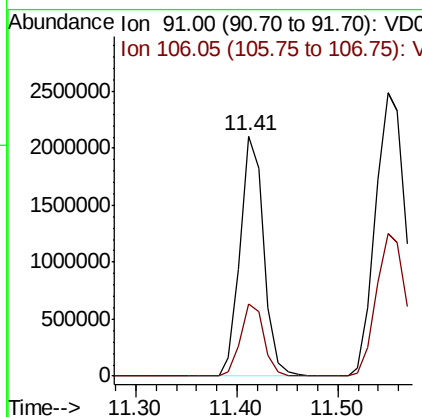
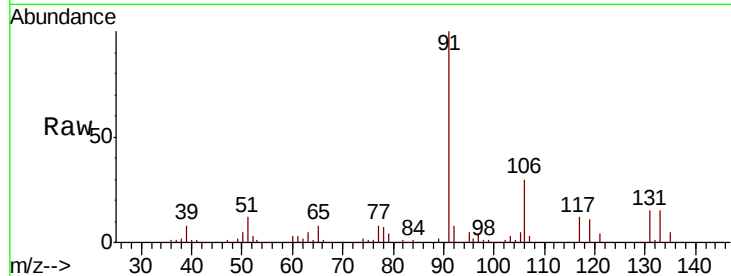
#67
Ethyl Benzene
Concen: 48.668 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3450416
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

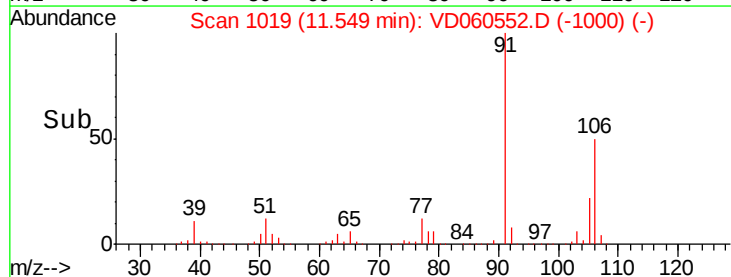
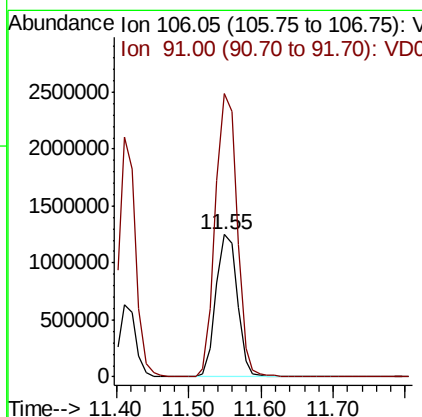
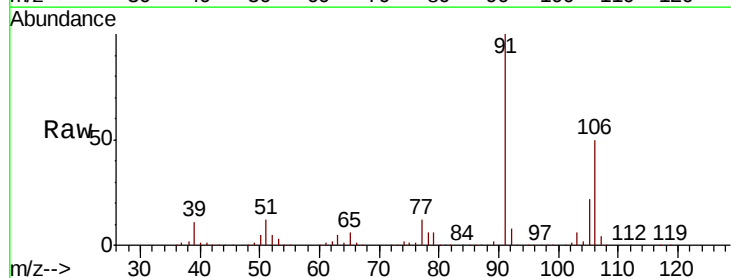
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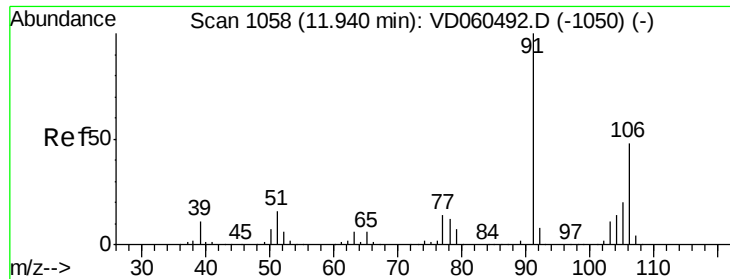
MMDadoda
12/14/2018 11:25:22 AM



#68
m/p-Xylenes
Concen: 97.711 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 106 Resp: 2562840
Ion Ratio Lower Upper
106 100
91 198.9 160.5 240.7





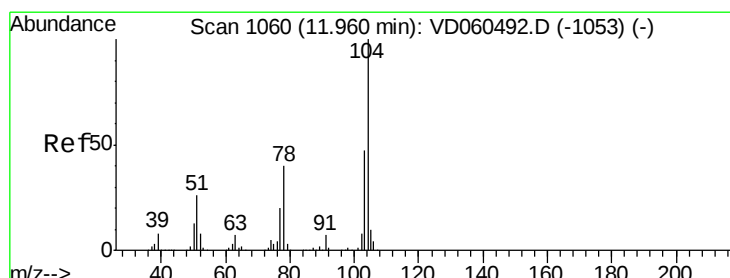
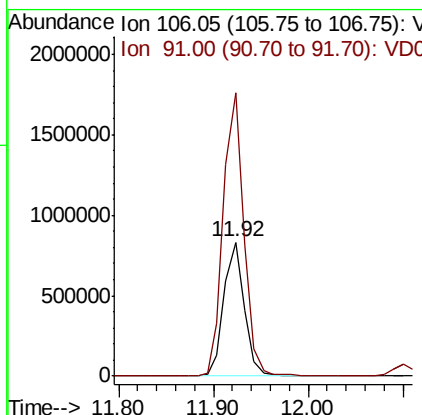
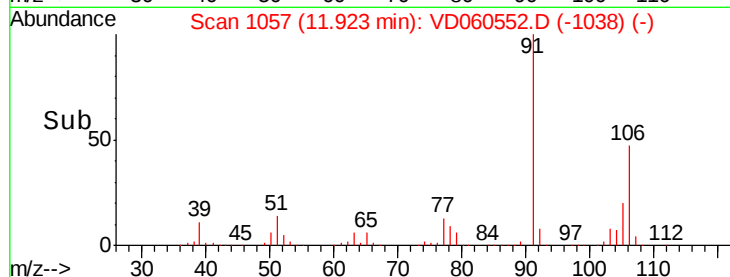
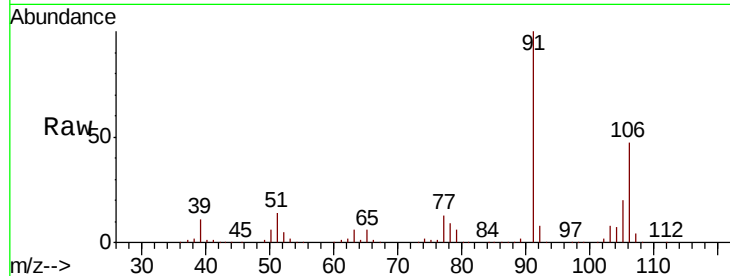
#69
o-Xylene
Concen: 49.492 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1237114
Ion Ratio Lower Upper
106 100
91 211.6 103.4 310.1

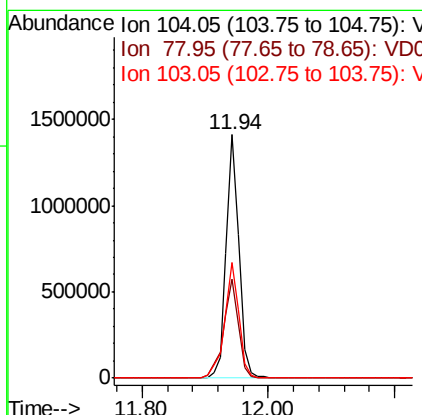
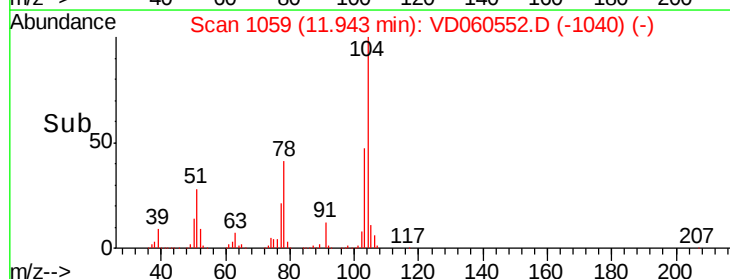
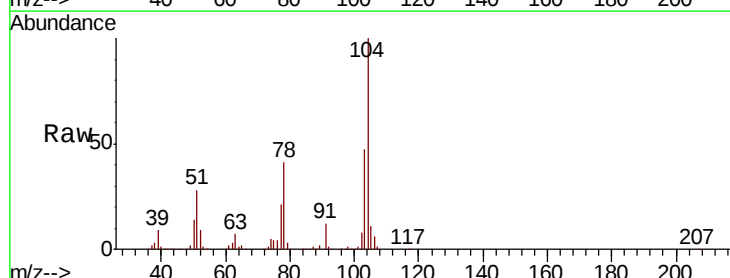
Manual Integrations
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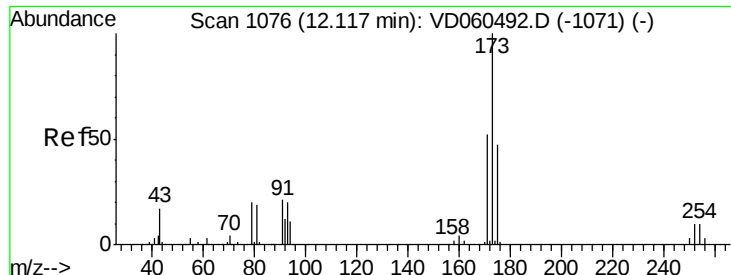
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#70
Styrene
Concen: 49.601 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion:104 Resp: 1990071
Ion Ratio Lower Upper
104 100
78 40.6 32.1 48.1
103 47.3 37.2 55.8





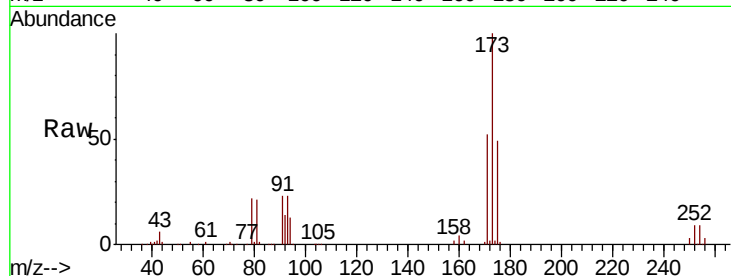
#71
Bromoform
Concen: 51.783 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.5	70.6
254	8.8	7.8	11.8

Manual Integrations
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12/14/2018 11:25:22 AM

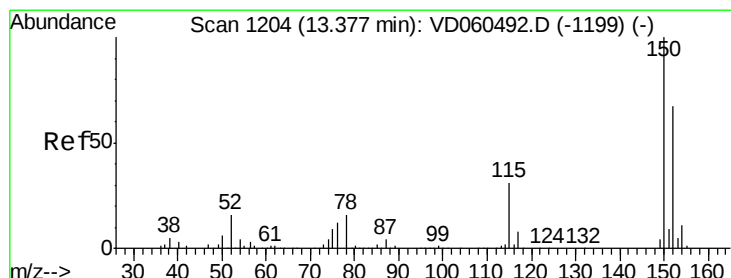
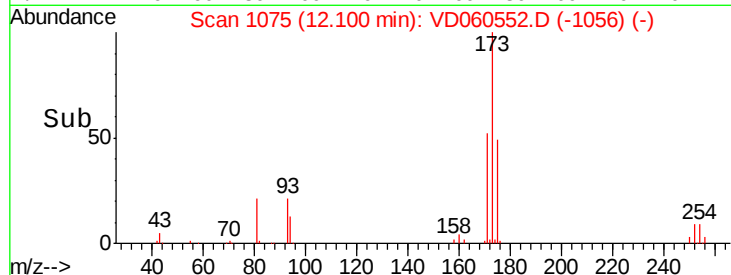
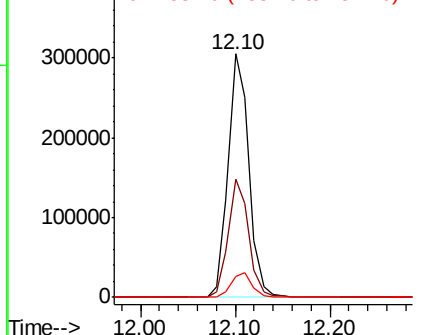


Abundance

Ion 172.80 (172.50 to 173.50): V

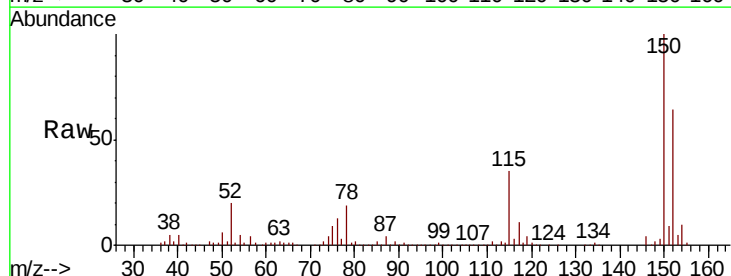
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	24.6	74.0
150	155.5	0.0	309.0

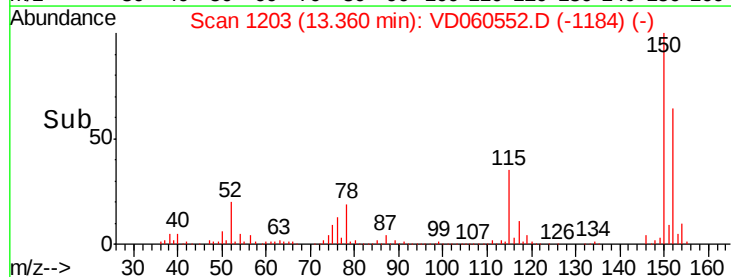
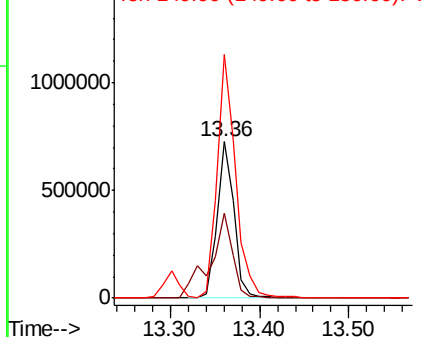


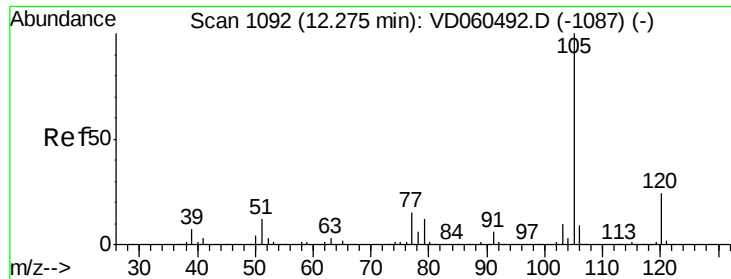
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.001 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3383614

Ion Ratio Lower Upper

105 100

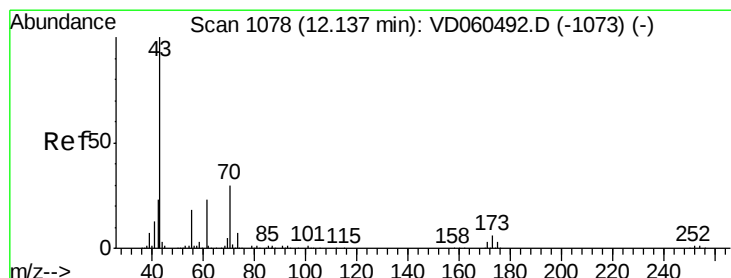
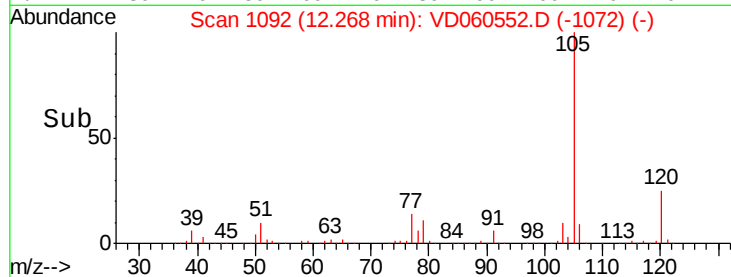
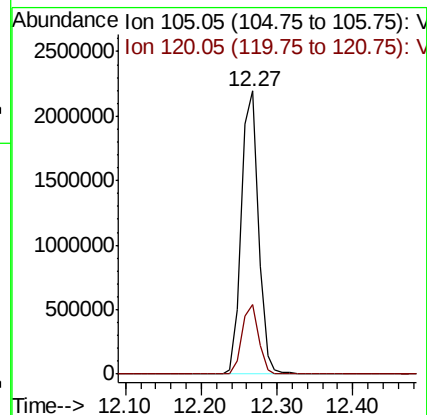
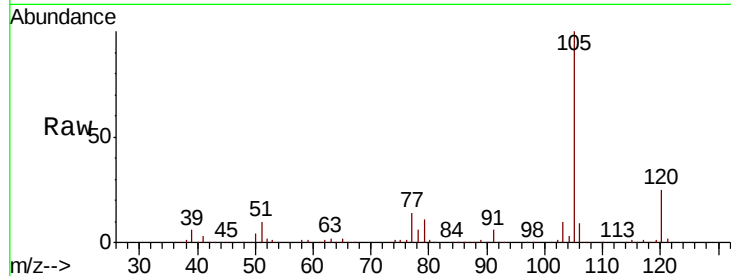
120 24.6 11.9 35.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.984 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tgt Ion: 43 Resp: 866559

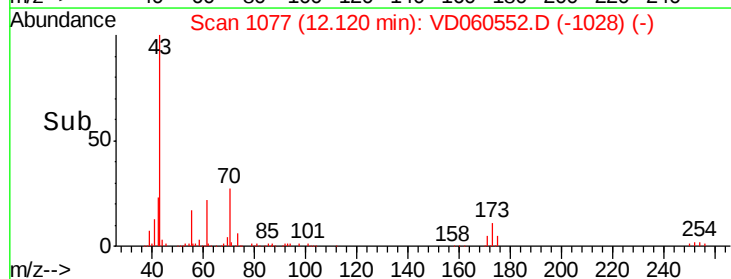
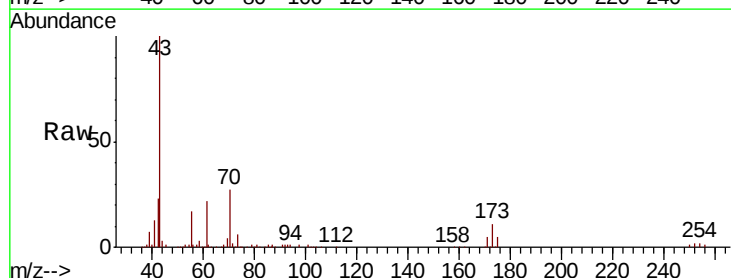
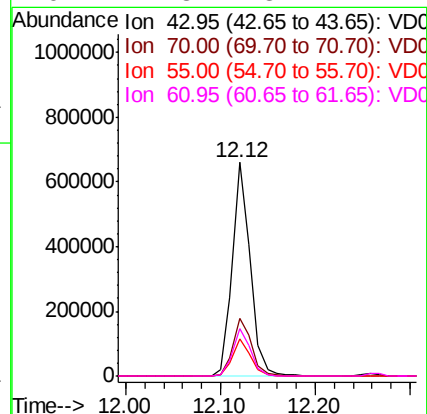
Ion Ratio Lower Upper

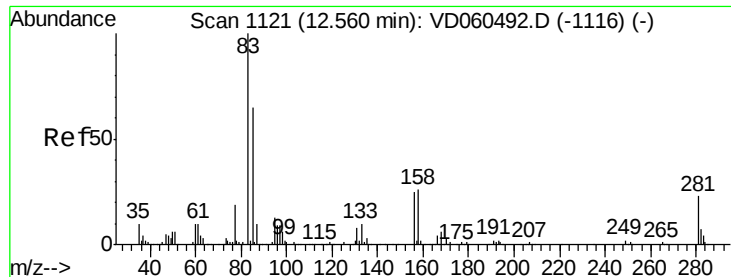
43 100

70 27.0 23.8 35.8

55 17.3 14.2 21.2

61 22.3 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.547 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

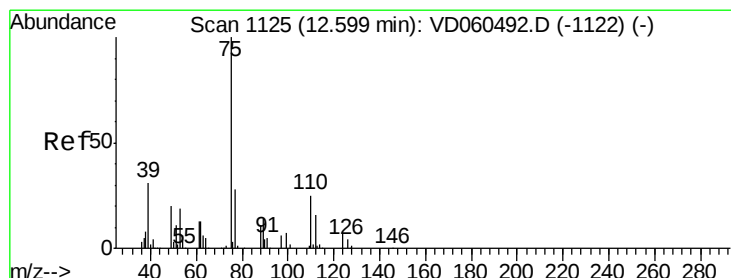
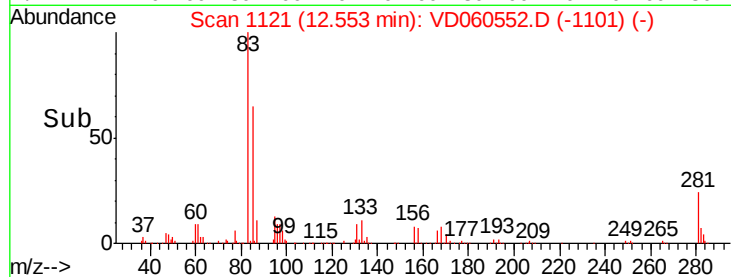
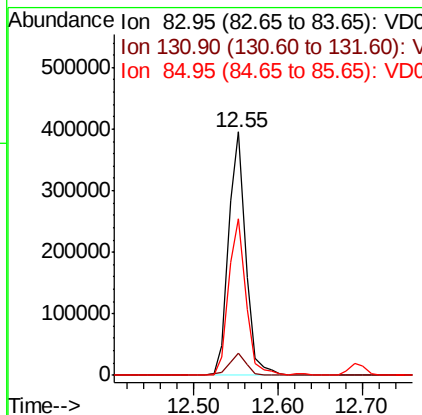
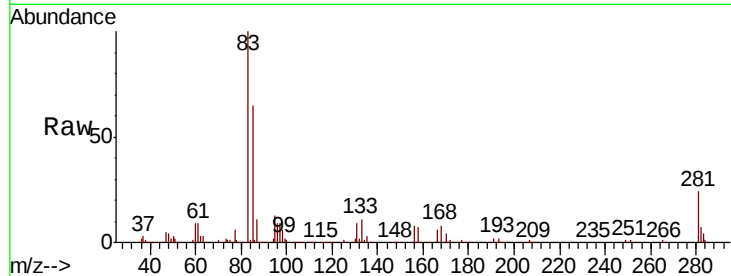
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	558444
Ion Ratio	Lower	Upper	
83	100		
131	9.0	3.8	11.4
85	64.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 51.864 ug/l

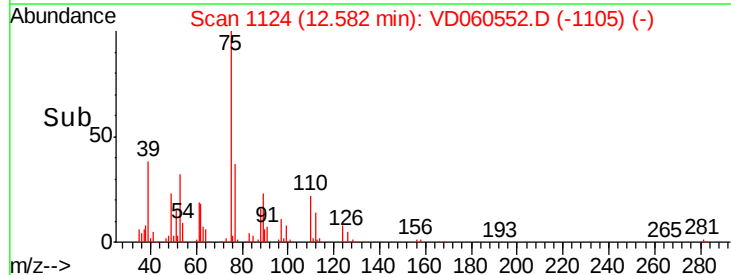
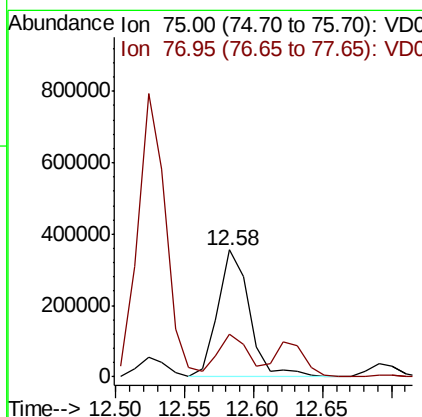
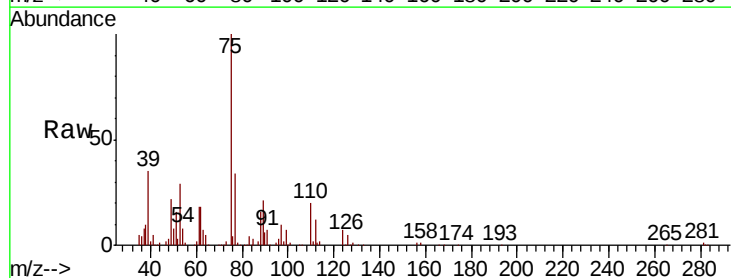
RT: 12.58 min Scan# 1124

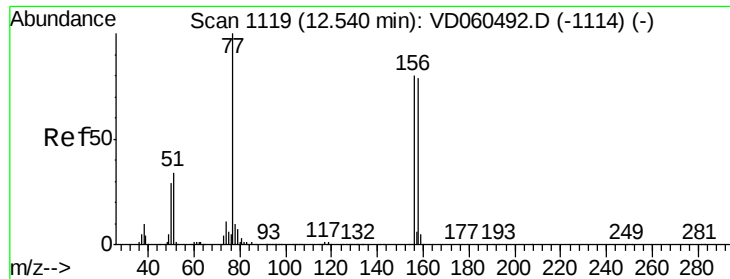
Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Tgt Ion:	75	Resp:	561968
Ion Ratio	Lower	Upper	
75	100		
77	33.6	16.4	49.4





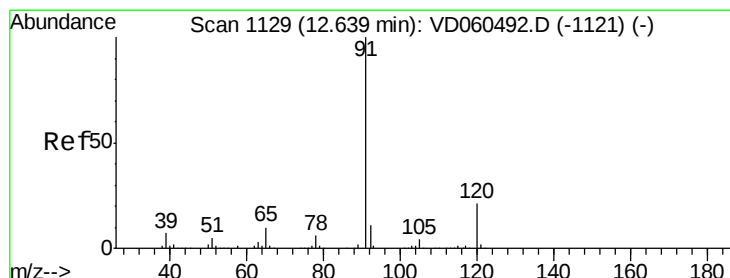
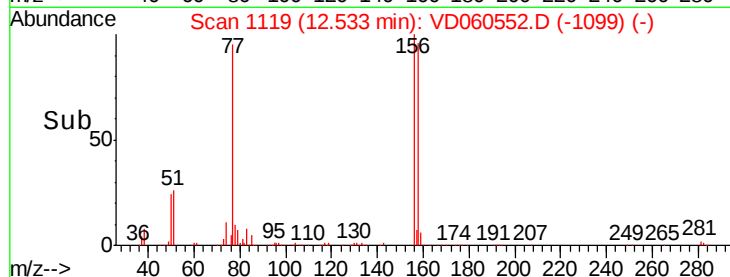
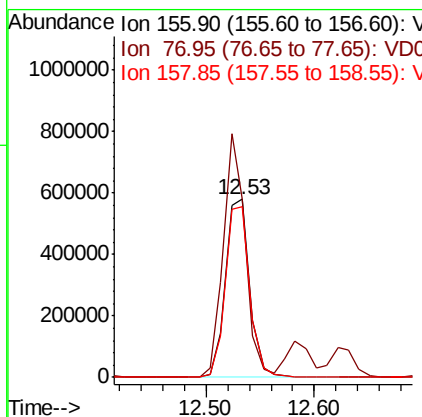
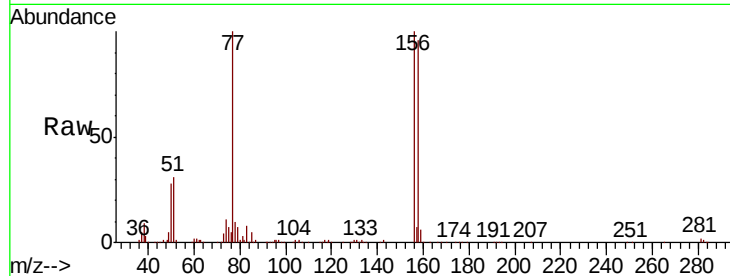
#77
Bromobenzene
Concen: 50.628 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	100.3	62.5	187.6
158	96.1	49.4	148.2

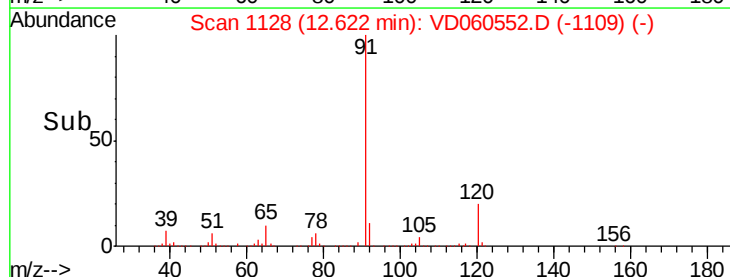
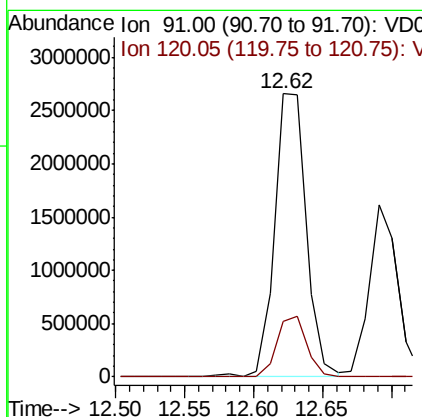
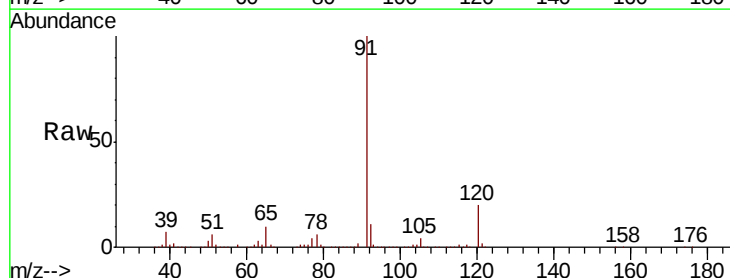
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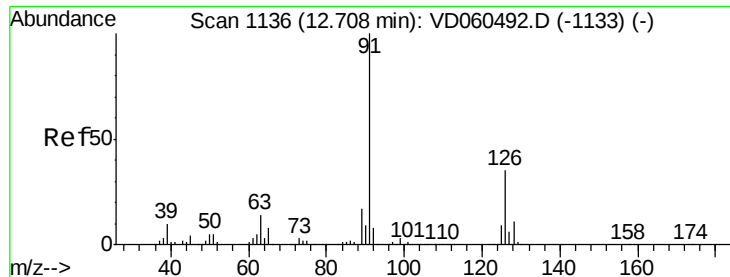
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#78
n-propylbenzene
Concen: 49.137 ug/l
RT: 12.62 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.6	10.4	31.1





#79

2-Chlorotoluene

Concen: 50.218 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2331024

Ion Ratio Lower Upper

91 100

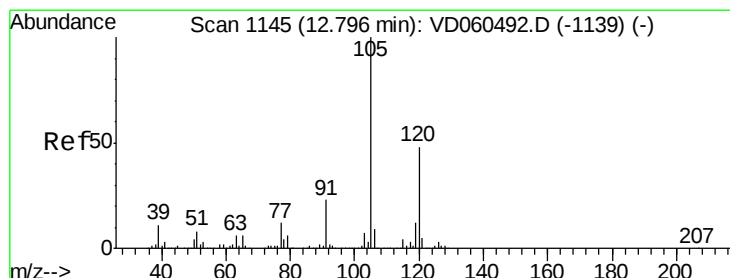
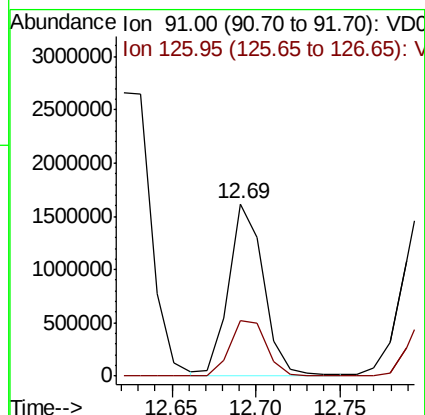
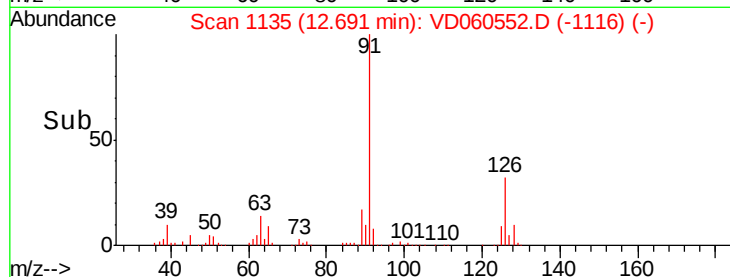
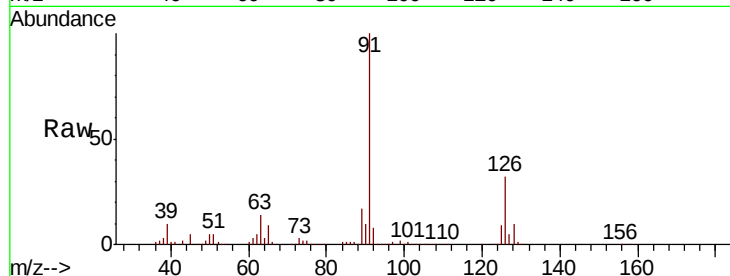
126 32.3 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 50.550 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060552.D

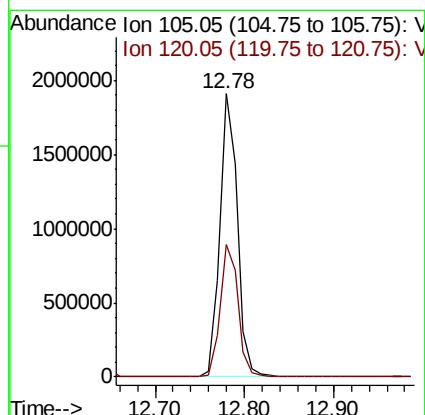
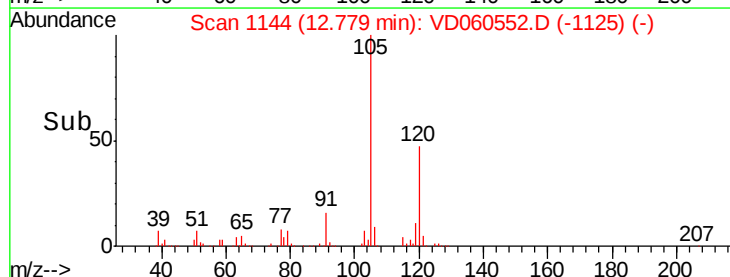
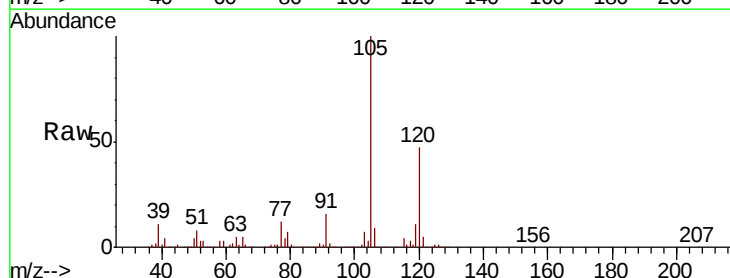
Acq: 13 Dec 2018 10:42

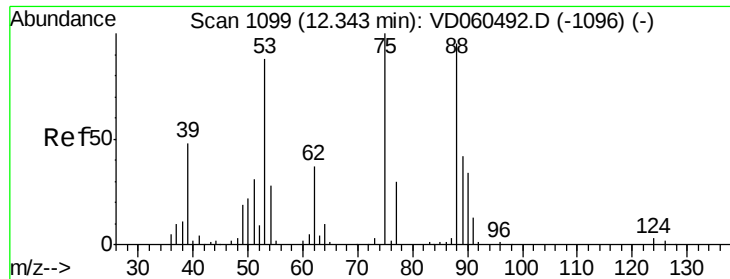
Tgt Ion:105 Resp: 2613898

Ion Ratio Lower Upper

105 100

120 46.7 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.579 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 164943

Ion Ratio Lower Upper

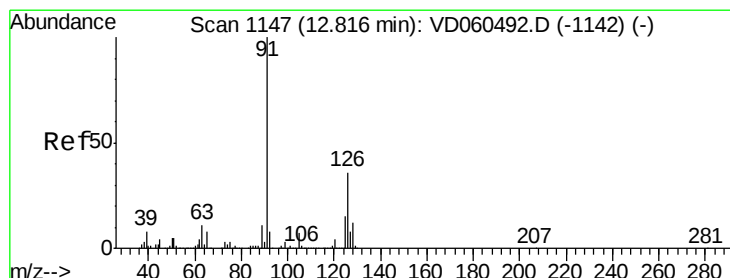
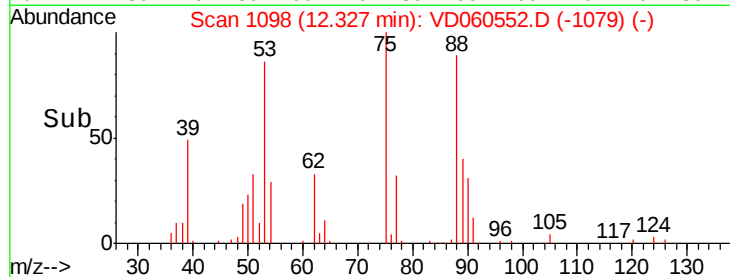
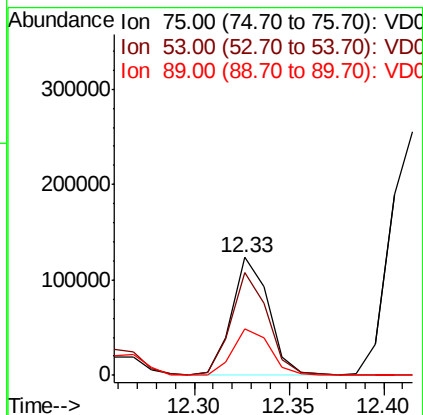
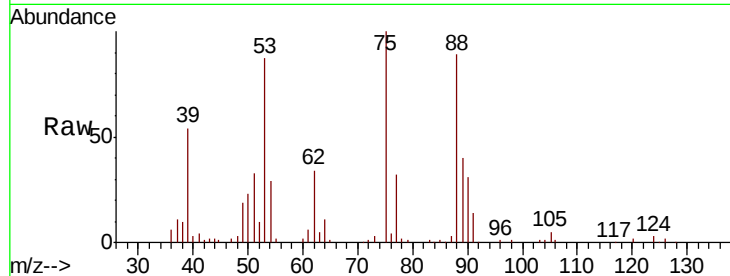
75 100

53 87.4 70.5 105.7

89 39.6 33.6 50.4

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#82

4-Chlorotoluene

Concen: 49.809 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060552.D

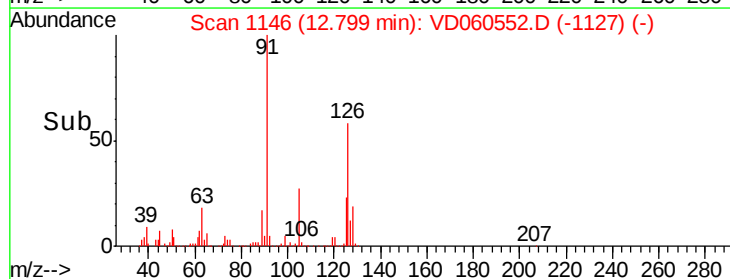
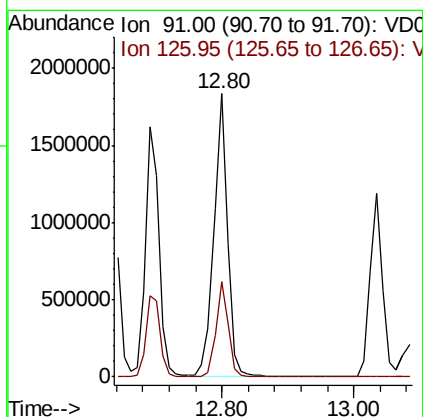
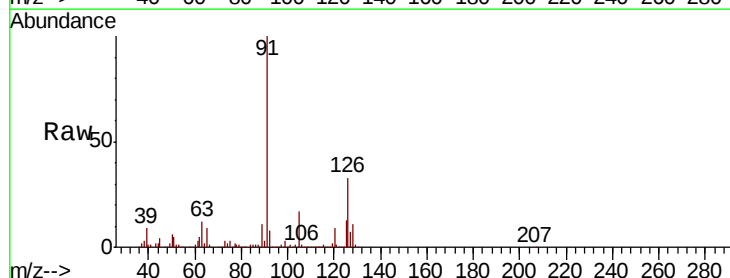
Acq: 13 Dec 2018 10:42

Tgt Ion: 91 Resp: 2596788

Ion Ratio Lower Upper

91 100

126 33.5 17.8 53.4





#83

tert-Butylbenzene

Concen: 51.827 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.02 min

Lab File: VD060552.D

Acq: 13 Dec 2018 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3004808

Ion Ratio Lower Upper

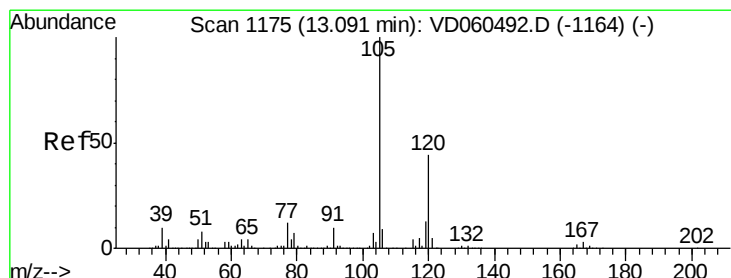
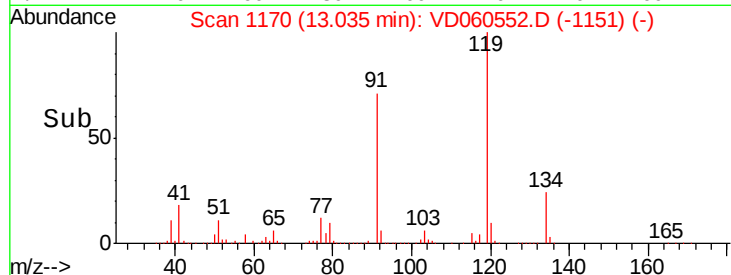
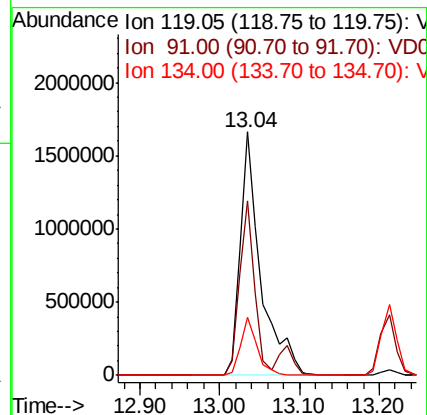
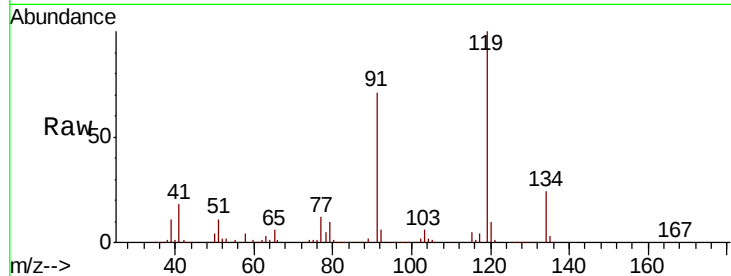
119 100

91 71.5 33.1 99.2

134 23.9 12.0 36.0

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#84

1,2,4-Trimethylbenzene

Concen: 50.434 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060552.D

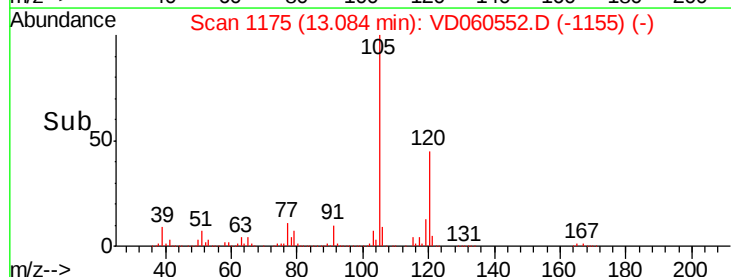
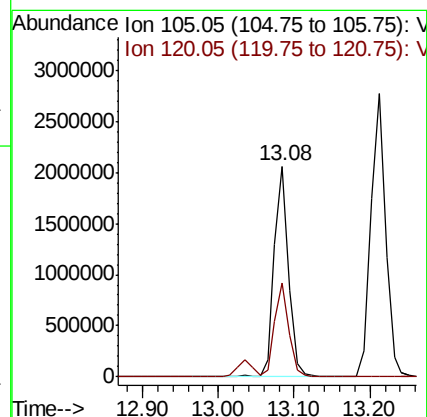
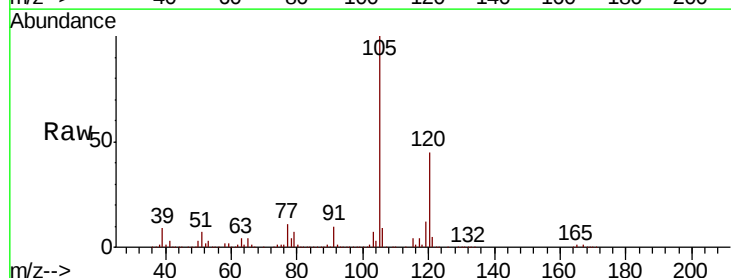
Acq: 13 Dec 2018 10:42

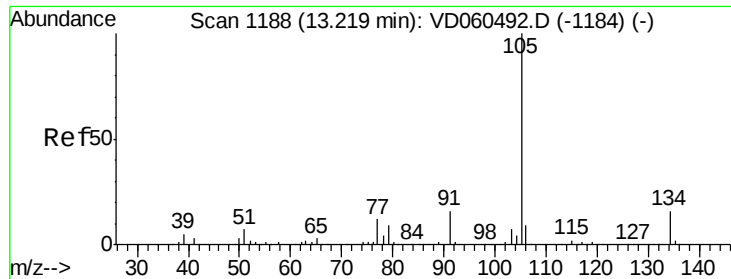
Tgt Ion:105 Resp: 2700331

Ion Ratio Lower Upper

105 100

120 44.6 22.3 66.8





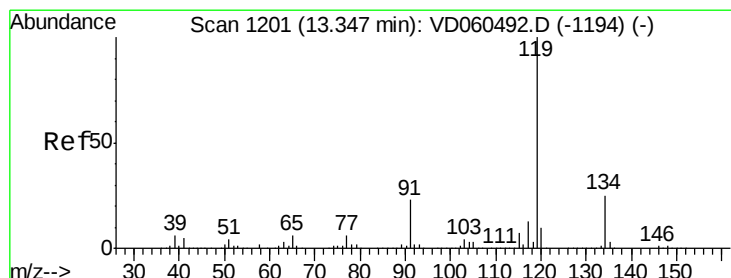
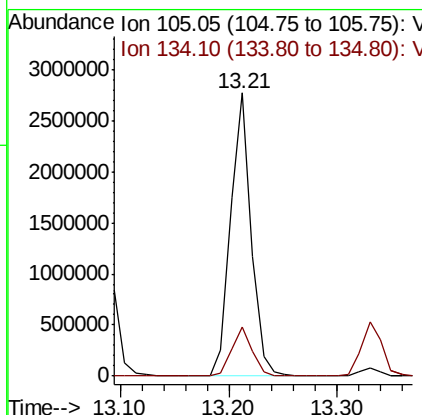
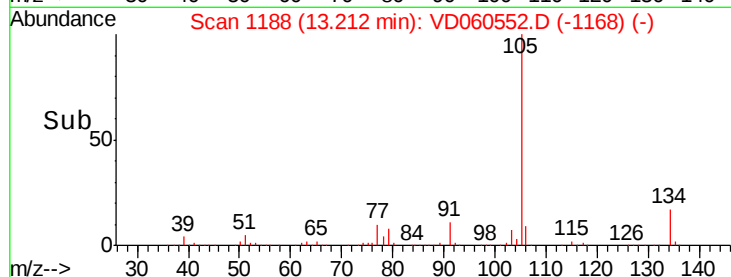
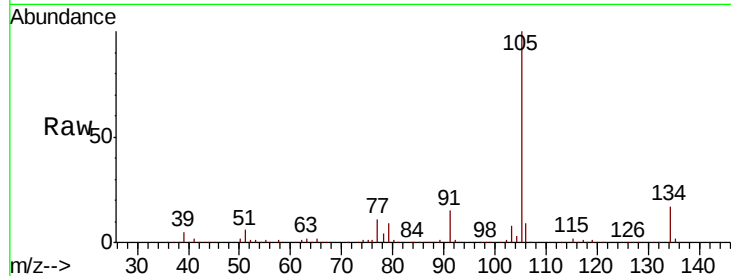
#85
 sec-Butylbenzene
 Concen: 50.602 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3656624
 Ion Ratio Lower Upper
 105 100
 134 17.4 7.9 23.7

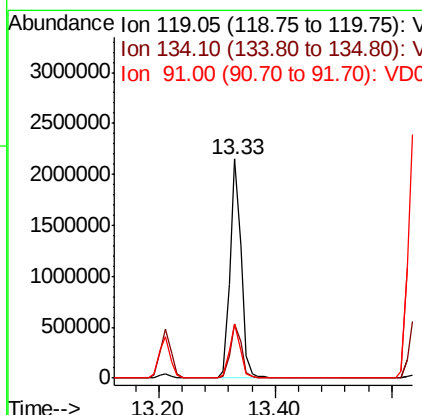
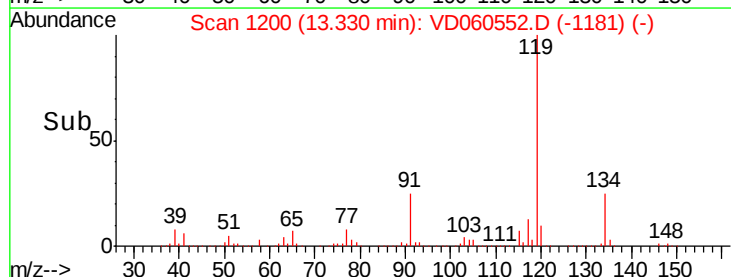
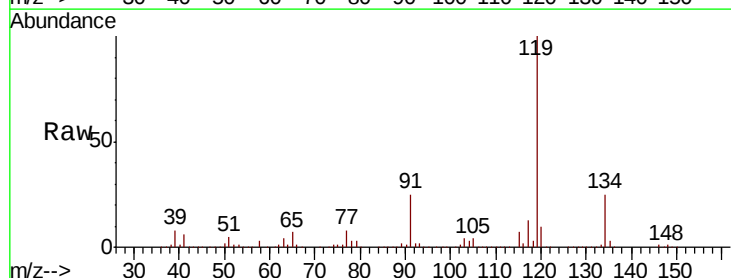
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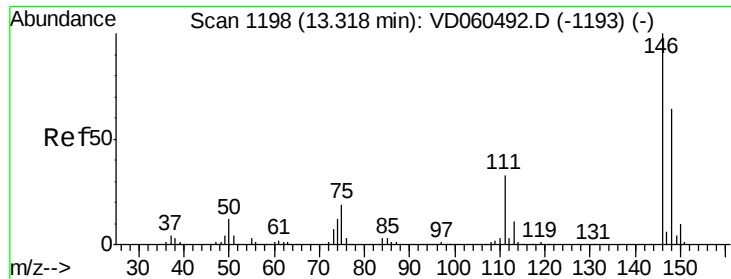
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#86
 p-Isopropyltoluene
 Concen: 49.189 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion:119 Resp: 2817667
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 24.7 11.5 34.4





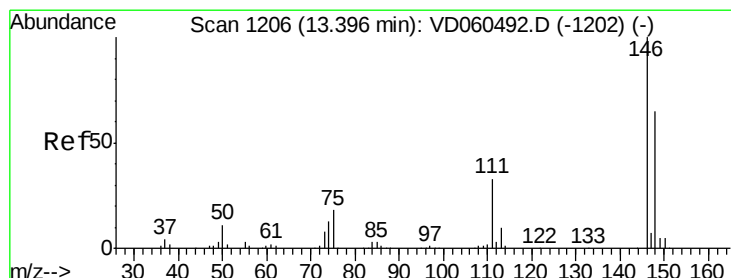
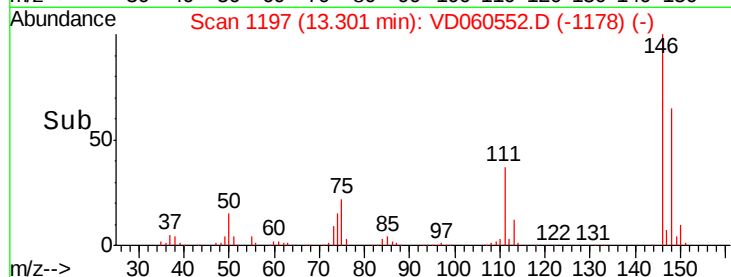
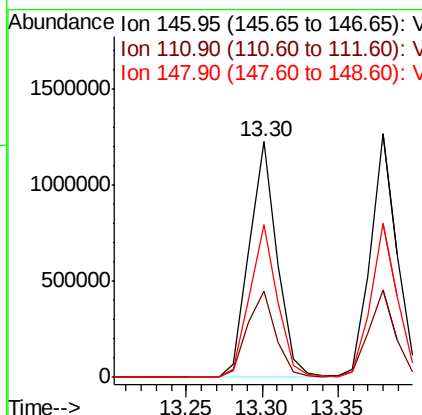
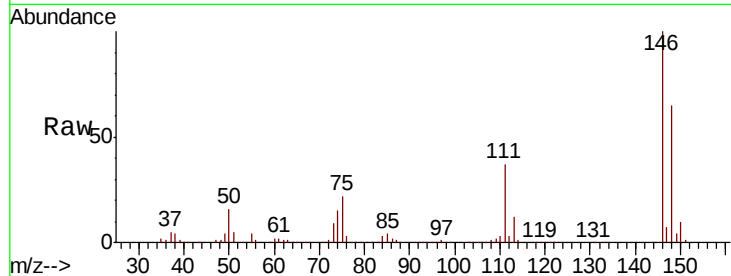
#87
 1,3-Dichlorobenzene
 Concen: 49.005 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1578269
 Ion Ratio Lower Upper
 146 100
 111 36.7 16.5 49.5
 148 64.7 32.3 96.8

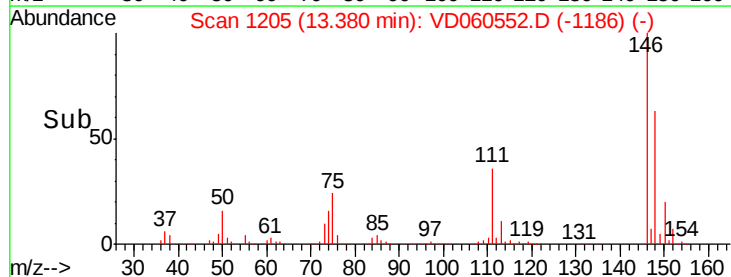
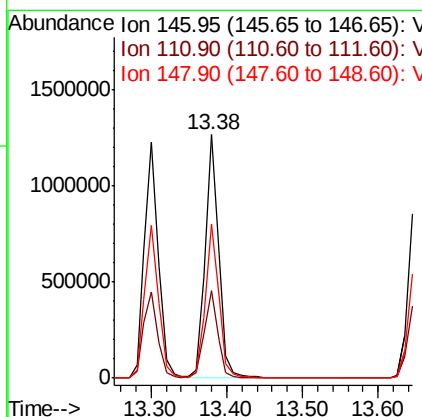
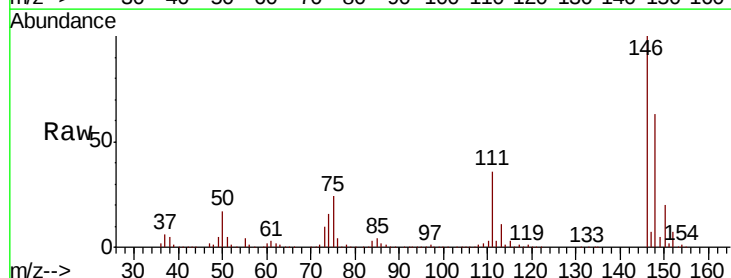
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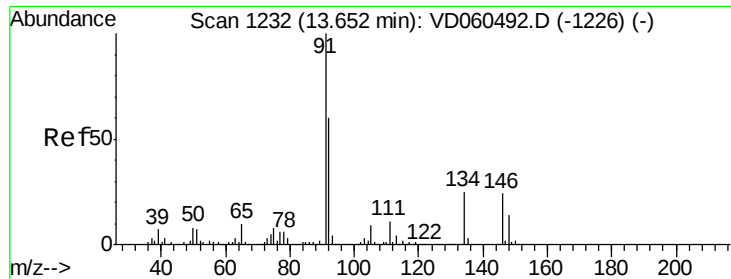
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#88
 1,4-Dichlorobenzene
 Concen: 49.668 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion:146 Resp: 1569261
 Ion Ratio Lower Upper
 146 100
 111 35.9 16.4 49.1
 148 63.3 32.6 98.0





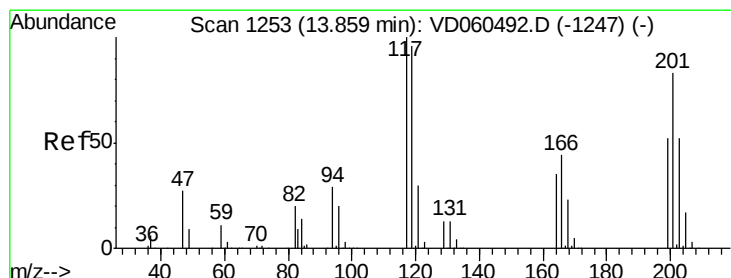
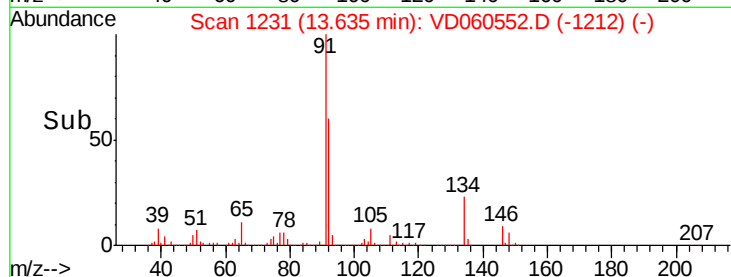
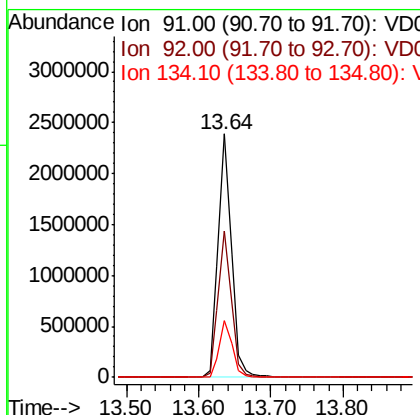
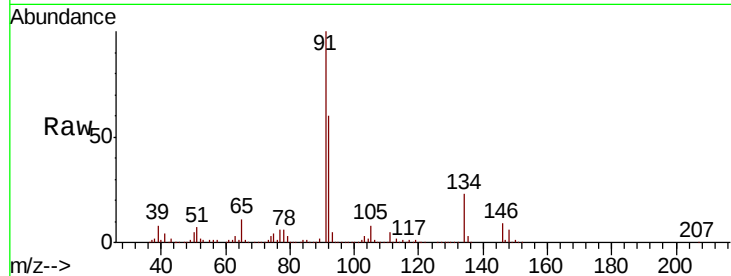
#89
n-Butylbenzene
Concen: 54.214 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3024130
Ion Ratio Lower Upper
91 100
92 60.4 30.0 90.1
134 23.4 12.5 37.5

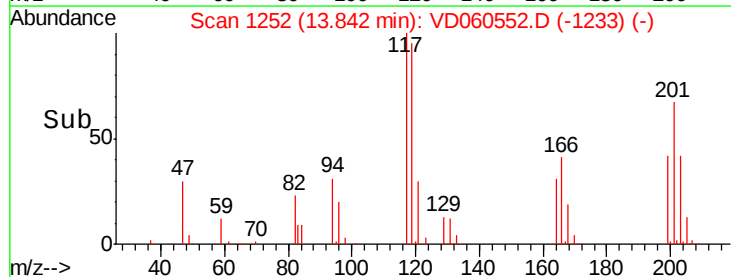
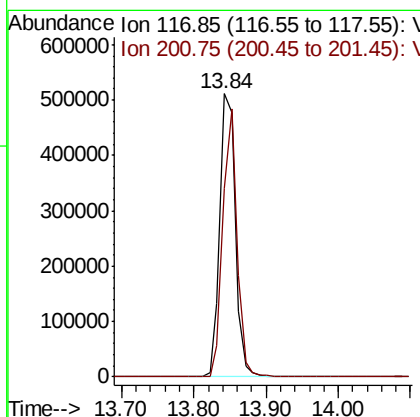
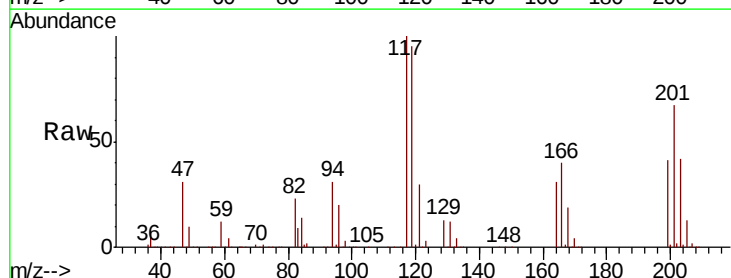
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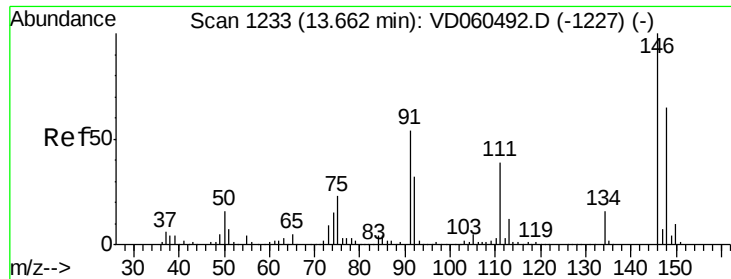
MMDadoda
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#90
Hexachloroethane
Concen: 52.945 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion: 117 Resp: 760412
Ion Ratio Lower Upper
117 100
201 66.6 41.3 123.9





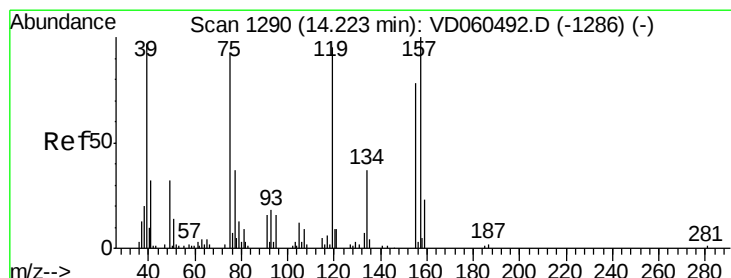
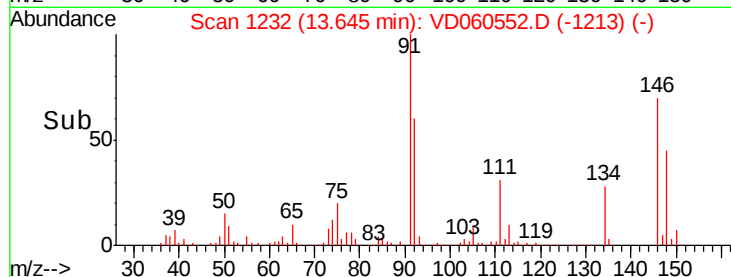
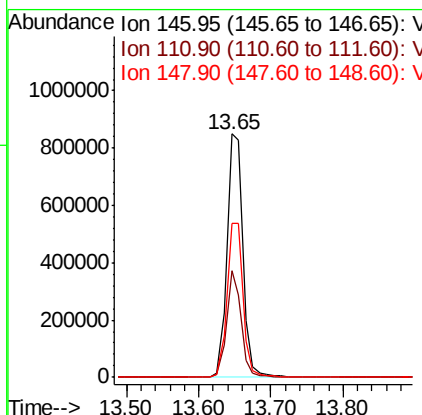
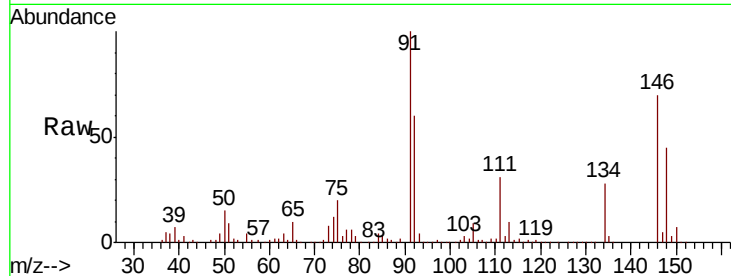
#91
 1,2-Dichlorobenzene
 Concen: 49.136 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1293251
 Ion Ratio Lower Upper
 146 100
 111 43.9 19.3 57.8
 148 63.5 32.3 96.8

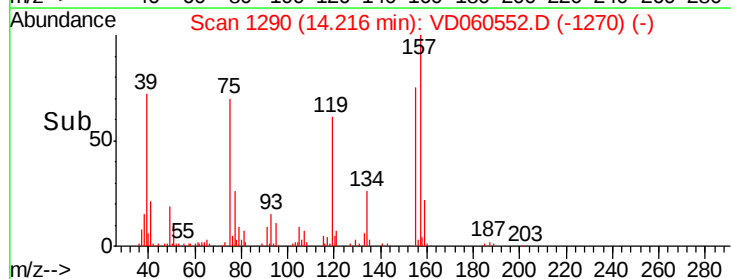
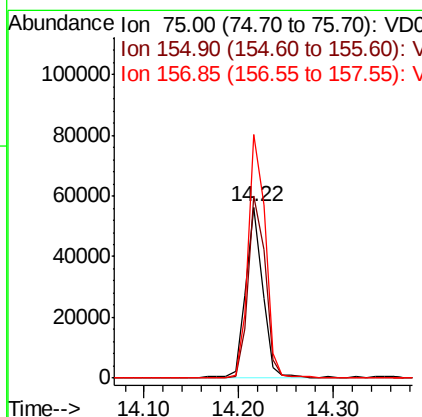
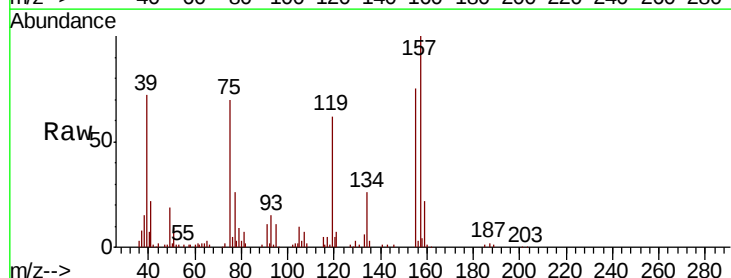
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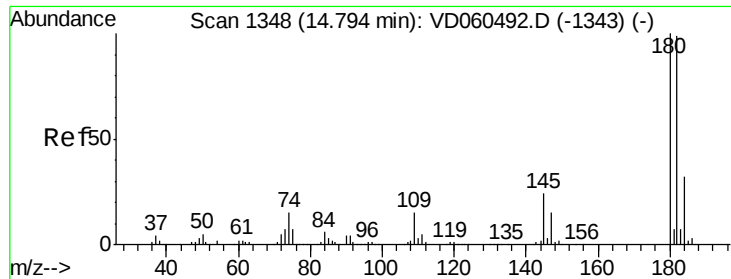
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.065 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion: 75 Resp: 70971
 Ion Ratio Lower Upper
 75 100
 155 106.4 41.6 124.9
 157 142.3 53.6 160.8





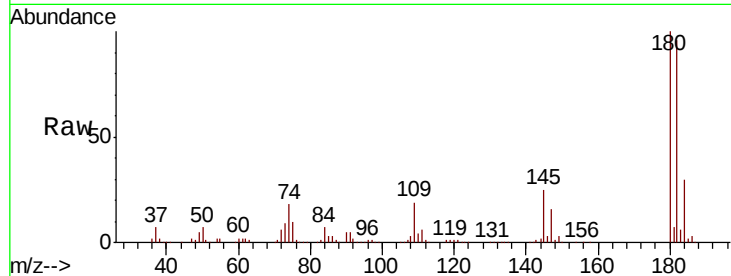
#93
 1,2,4-Trichlorobenzene
 Concen: 51.372 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

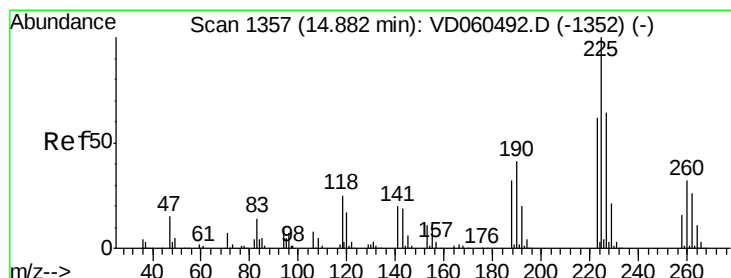
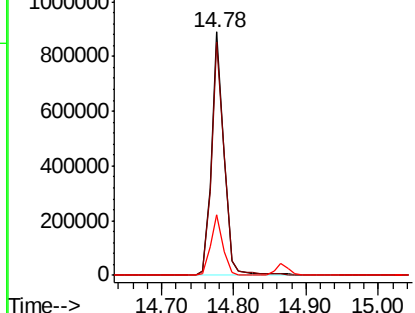
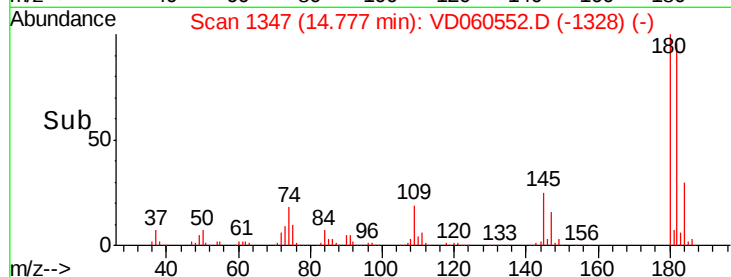
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.4	148.0
145	25.0	11.9	35.9

Manual Integrations
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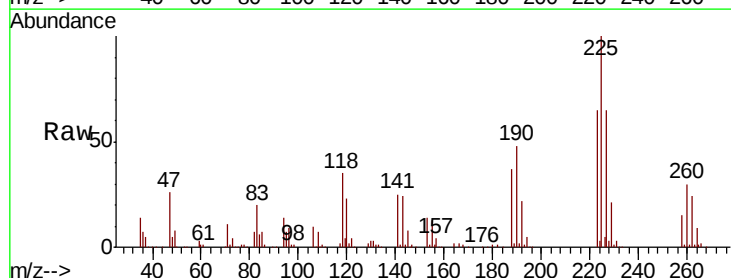


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

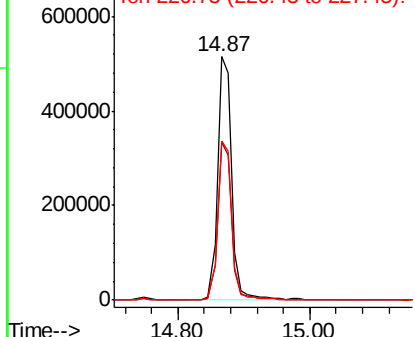
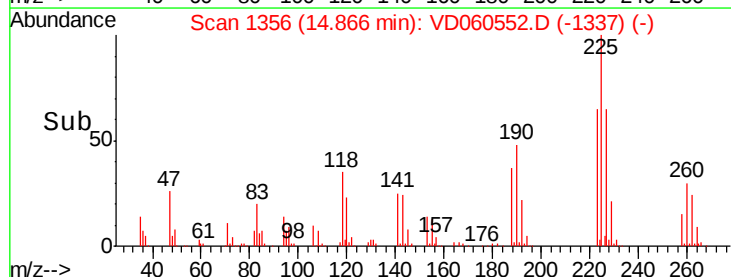


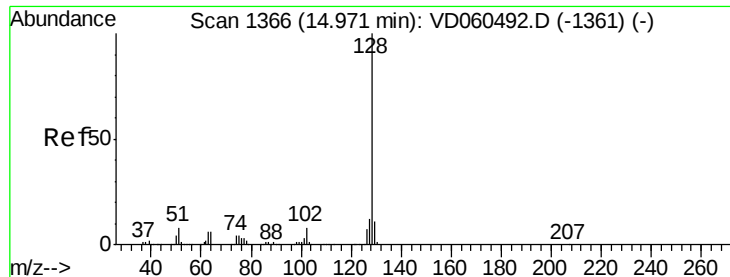
#94
 Hexachlorobutadiene
 Concen: 50.293 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060552.D
 Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.2	93.6
227	65.2	32.0	96.0



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





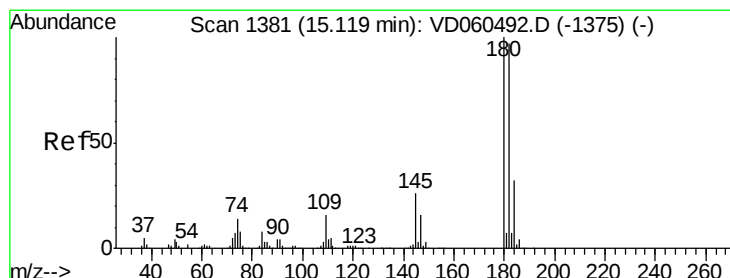
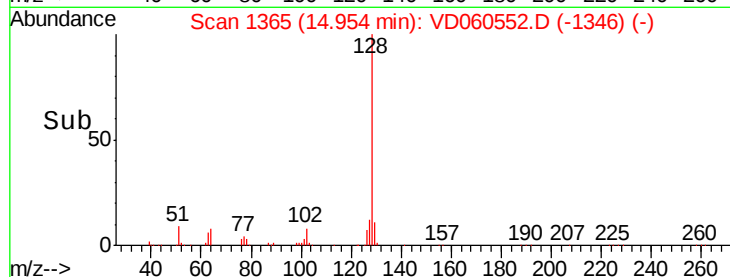
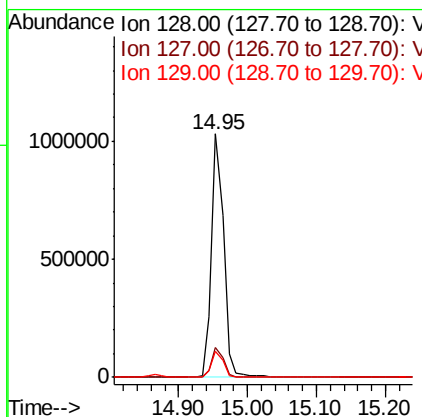
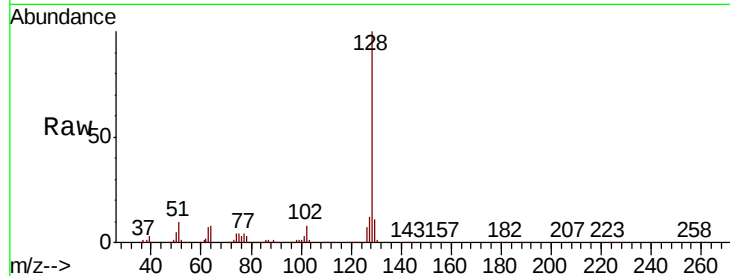
#95
Naphthalene
Concen: 52.119 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 51.828 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060552.D
Acq: 13 Dec 2018 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.5
145	26.9	12.9	38.7

