

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060703.D
 Acq On : 22 Dec 2018 12:38
 Operator : VA/AP
 Sample : VD1222SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:04:16 AM

Quant Time: Dec 24 02:31:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1468120	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2051193	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1612407	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	847830	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	517472	51.00	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	6.35	113	747673	49.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	9.48	98	2159388	48.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.44	95	785088	50.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	316091	16.850	ug/l	97
3) Chloromethane	1.79	50	314905	18.240	ug/l	98
4) Vinyl Chloride	1.87	62	254252	18.549	ug/l	97
5) Bromomethane	2.17	94	30269	9.859	ug/l	85
6) Chloroethane	2.28	64	69493	16.989	ug/l	99
7) Trichlorofluoromethane	2.53	101	291119	19.095	ug/l	99
8) Diethyl Ether	2.86	74	49752	19.505	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	185700	18.778	ug/l	94
10) Methyl Iodide	3.28	142	199326	19.179	ug/l	100
11) Tert butyl alcohol	4.00	59	32564	76.799	ug/l	98
12) 1,1-Dichloroethene	3.10	96	156925	19.312	ug/l	94
13) Acrolein	3.02	56	43162	99.891	ug/l	95
14) Allyl chloride	3.57	41	306046	20.526	ug/l	96
15) Acrylonitrile	4.13	53	241875	98.257	ug/l	94
16) Acetone	3.19	43	165974	93.675	ug/l	97
17) Carbon Disulfide	3.35	76	462628	17.827	ug/l	100
18) Methyl Acetate	3.59	43	95461	21.740	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	390385	18.937	ug/l	99
20) Methylene Chloride	3.75	84	326111	17.723	ug/l	99
21) trans-1,2-Dichloroethene	4.14	96	304058	18.272	ug/l	100
22) Diisopropyl ether	4.89	45	964083	19.044	ug/l	96
23) Vinyl Acetate	4.84	43	2378747	97.123	ug/l	100
24) 1,1-Dichloroethane	4.79	63	509522	19.135	ug/l	99
25) 2-Butanone	5.65	43	324547	95.723	ug/l	96
26) 2,2-Dichloropropane	5.62	77	396877	18.882	ug/l	100
27) cis-1,2-Dichloroethene	5.62	96	312225	18.483	ug/l	93
28) Bromochloromethane	5.96	49	207777	18.471	ug/l	95
29) Tetrahydrofuran	5.99	42	180371	93.842	ug/l	98
30) Chloroform	6.14	83	503223	18.781	ug/l	98
31) Cyclohexane	6.40	56	462624	18.054	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	415736	18.754	ug/l	96
36) 1,1-Dichloropropene	6.56	75	398461	18.865	ug/l	98
37) Ethyl Acetate	5.73	43	172244	19.499	ug/l #	98
38) Carbon Tetrachloride	6.53	117	348430	18.699	ug/l	98

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Quant Time: Dec 24 02:31:34 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	440736	18.296	ug/l	99
40) Benzene	6.82	78	1018544	18.669	ug/l	99
41) Methacrylonitrile	5.96	41	81638m	16.708	ug/l	
42) 1,2-Dichloroethane	6.92	62	251793	18.597	ug/l	99
43) Isopropyl Acetate	8.37	43	210674	18.585	ug/l #	100
44) Trichloroethene	7.77	130	299864	18.570	ug/l	100
45) 1,2-Dichloropropane	8.13	63	251278	18.780	ug/l	100
46) Dibromomethane	8.24	93	146173	19.142	ug/l	91
47) Bromodichloromethane	8.52	83	338287	18.704	ug/l	96
48) Methyl methacrylate	8.27	41	125544	18.234	ug/l	99
49) 1,4-Dioxane	8.26	88	23189	362.232	ug/l #	87
51) 4-Methyl-2-Pentanone	9.36	43	651038	93.738	ug/l	99
52) Toluene	9.57	92	626204	18.309	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	285654	18.931	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	369284	18.698	ug/l	96
55) 1,1,2-Trichloroethane	10.21	97	177769	19.318	ug/l	96
56) Ethyl methacrylate	10.05	69	153402	17.947	ug/l	98
57) 1,3-Dichloropropane	10.41	76	268061	18.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	515707	102.396	ug/l	99
59) 2-Hexanone	10.50	43	463459	95.334	ug/l	99
60) Dibromochloromethane	10.66	129	216998	18.512	ug/l	98
61) 1,2-Dibromoethane	10.78	107	180356	18.895	ug/l	94
64) Tetrachloroethene	10.28	164	269817	18.463	ug/l	98
65) Chlorobenzene	11.33	112	681988	19.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	229298	20.019	ug/l	99
67) Ethyl Benzene	11.45	91	1245126	20.409	ug/l	99
68) m/p-Xylenes	11.59	106	908689	40.755	ug/l	99
69) o-Xylene	11.95	106	427526	20.211	ug/l	95
70) Styrene	11.97	104	668952	19.635	ug/l	98
71) Bromoform	12.13	173	139717	18.479	ug/l	99
73) Isopropylbenzene	12.30	105	1191860	19.744	ug/l	99
74) N-amyl acetate	12.15	43	270565	18.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	189829	19.401	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	186436	19.315	ug/l	100
77) Bromobenzene	12.55	156	303053	19.016	ug/l	90
78) n-propylbenzene	12.65	91	1473457	19.093	ug/l	98
79) 2-Chlorotoluene	12.72	91	806133	19.503	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	954346	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	50868	19.072	ug/l	97
82) 4-Chlorotoluene	12.83	91	937556	20.012	ug/l	89
83) tert-Butylbenzene	13.06	119	1055587	19.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	945233	19.689	ug/l	97
85) sec-Butylbenzene	13.23	105	1280620	19.795	ug/l	99
86) p-Isopropyltoluene	13.36	119	1017290	19.480	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	576170	19.694	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	549275	19.053	ug/l	99
89) n-Butylbenzene	13.66	91	1075323	20.150	ug/l	99
90) Hexachloroethane	13.87	117	239260	18.650	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	466286	19.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21718	18.894	ug/l	86

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MSVOA_D
ClientSampleId :
VD1222SBSD01

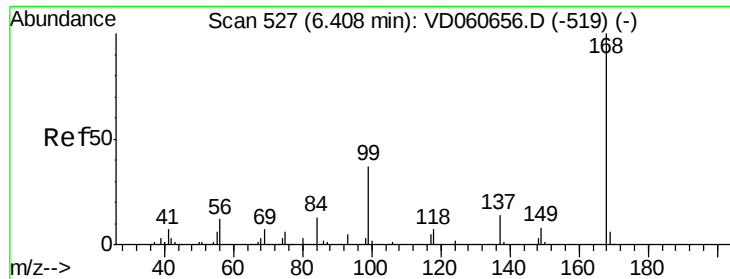
Manual Integrations
APPROVED

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12/26/2018 11:04:16 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	353003	18.903	ug/l	99
94) Hexachlorobutadiene	14.89	225	263039	19.056	ug/l	97
95) Naphthalene	14.98	128	414056	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	285971	19.590	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion:168 Resp: 1468120

Ion Ratio Lower Upper

168 100

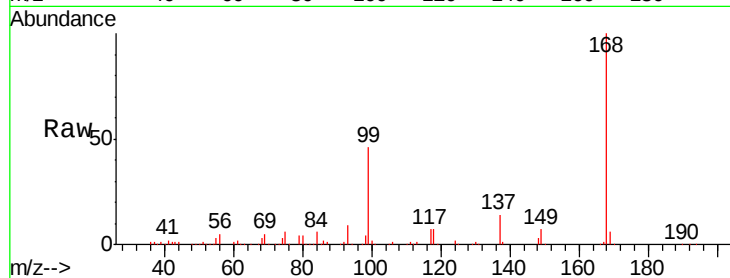
99 46.3 38.7 58.1

Manual Integrations

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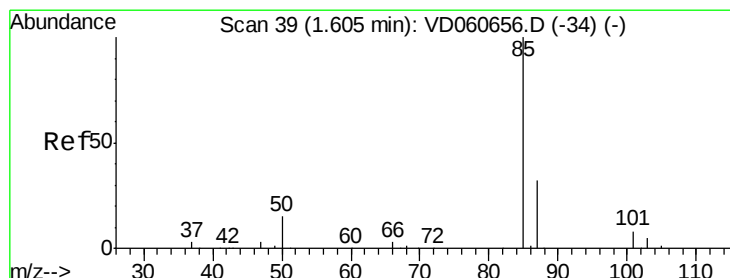
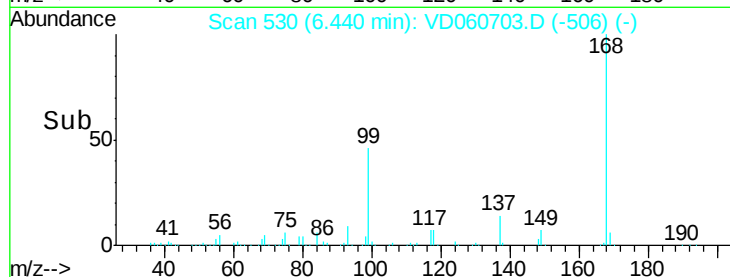
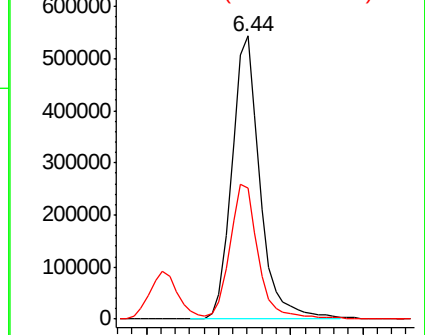
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.850 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060703.D

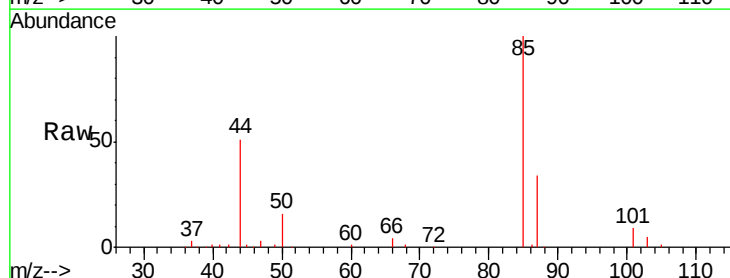
Acq: 22 Dec 2018 12:38

Tgt Ion: 85 Resp: 316091

Ion Ratio Lower Upper

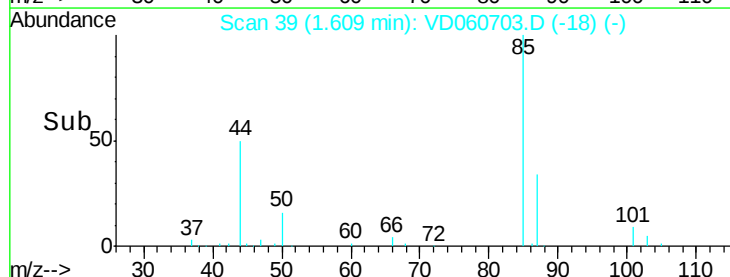
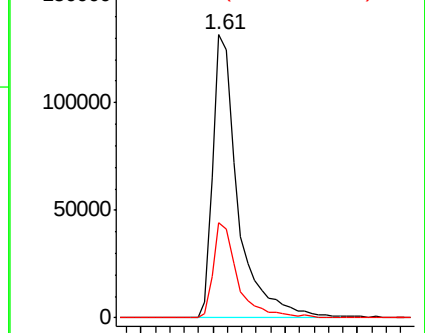
85 100

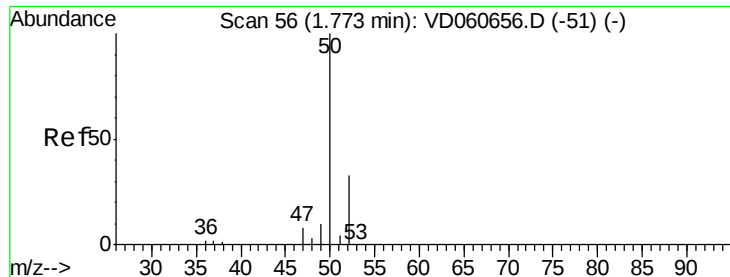
87 33.8 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.240 ug/l

RT: 1.79 min Scan# 57

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 50 Resp: 314905

Ion Ratio Lower Upper

50 100

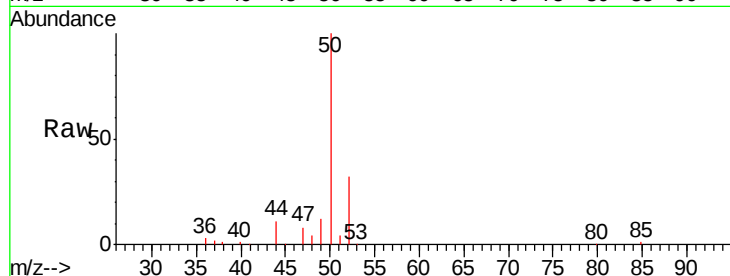
52 32.1 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.79

100000

80000

60000

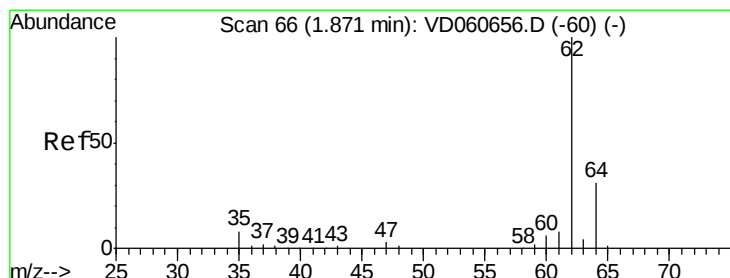
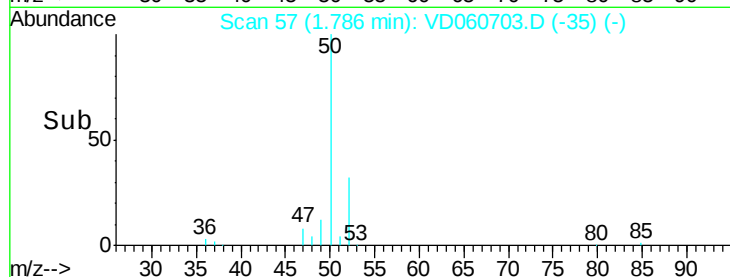
40000

20000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 18.549 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060703.D

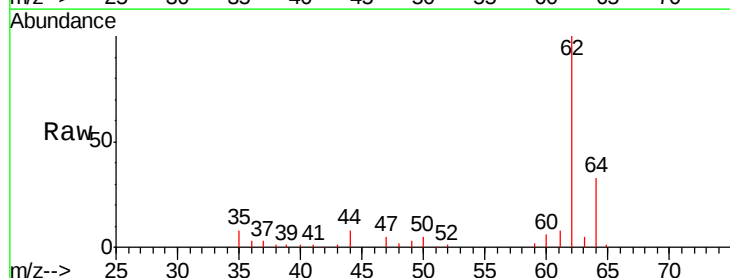
Acq: 22 Dec 2018 12:38

Tgt Ion: 62 Resp: 254252

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

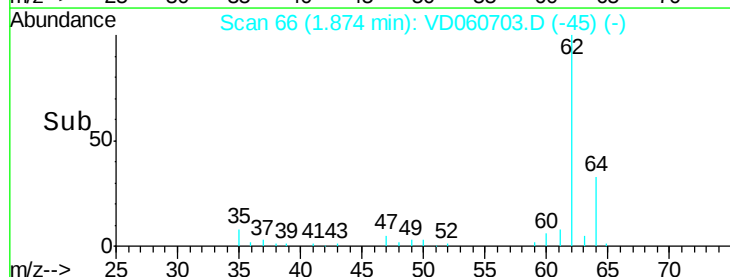
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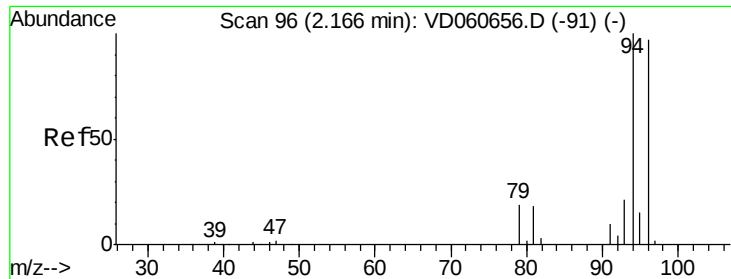
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0

1.80 1.90 2.00 2.10

Time-->





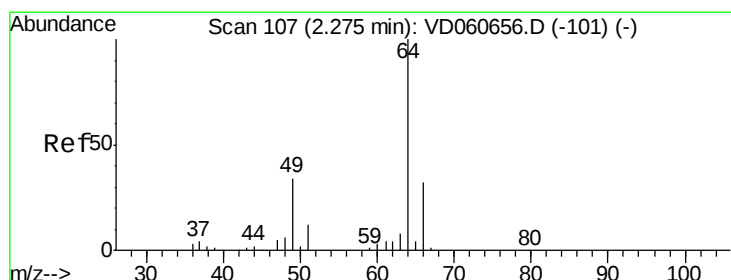
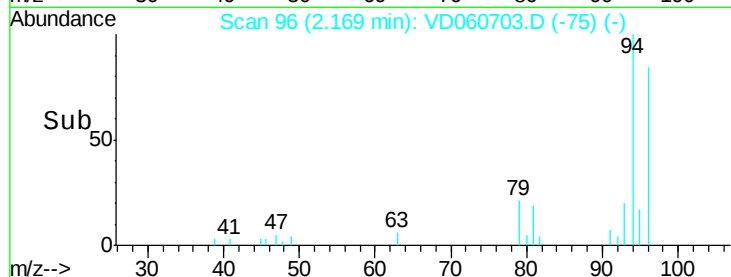
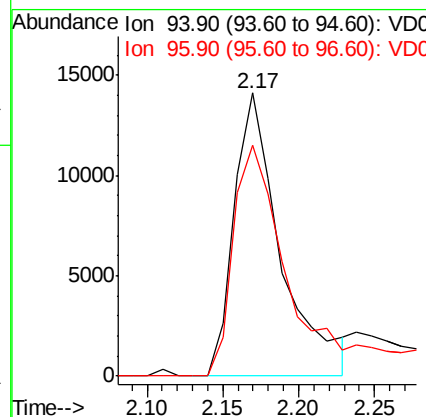
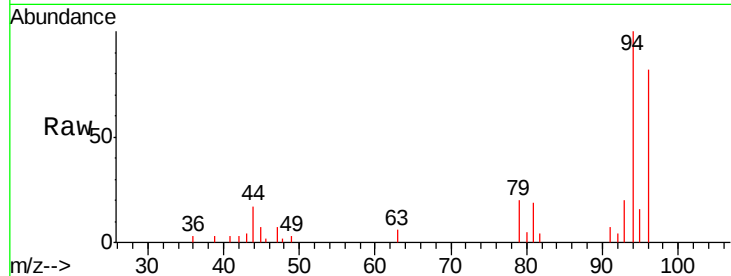
#5
Bromomethane
Concen: 9.859 ug/l
RT: 2.17 min Scan# 96
Delta R.T. 0.00 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 94 Resp: 30269
Ion Ratio Lower Upper
94 100
96 81.6 77.2 115.8

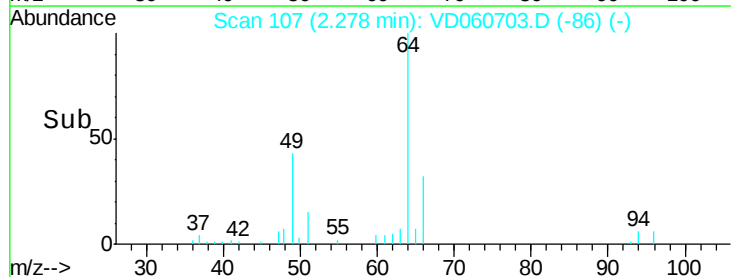
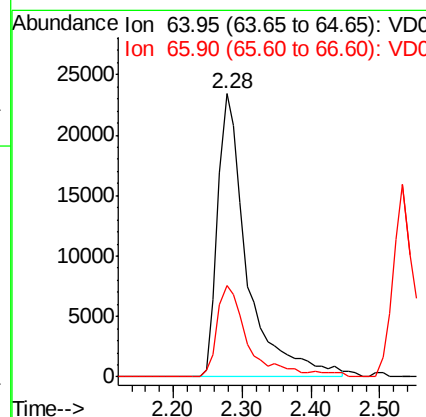
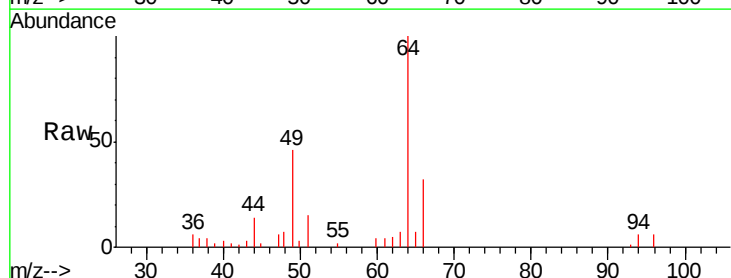
Manual Integrations
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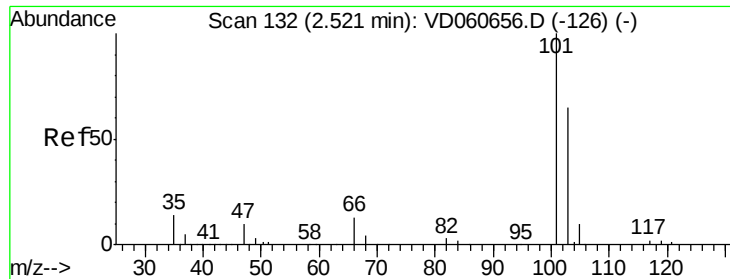
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#6
Chloroethane
Concen: 16.989 ug/l
RT: 2.28 min Scan# 107
Delta R.T. 0.00 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 64 Resp: 69493
Ion Ratio Lower Upper
64 100
66 32.3 25.6 38.4





#7

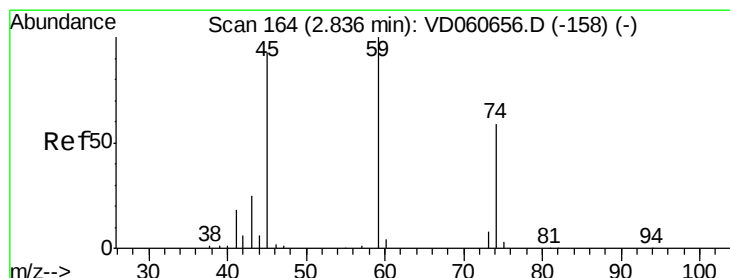
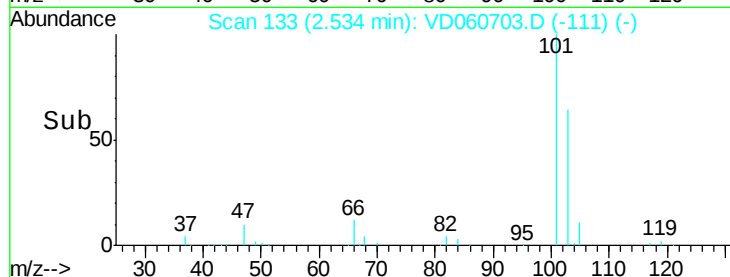
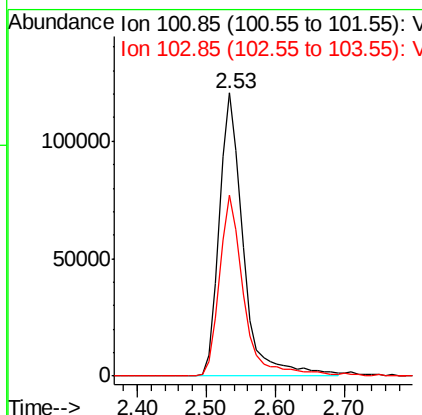
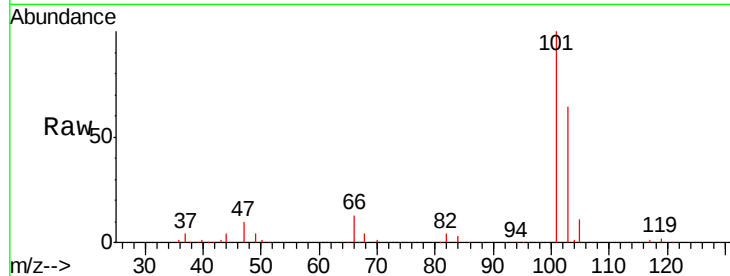
Trichlorofluoromethane
 Concen: 19.095 ug/l
 RT: 2.53 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
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 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	291119		
103	64.1	51.9	77.9	

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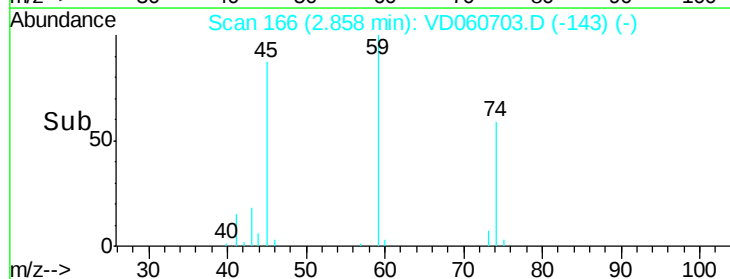
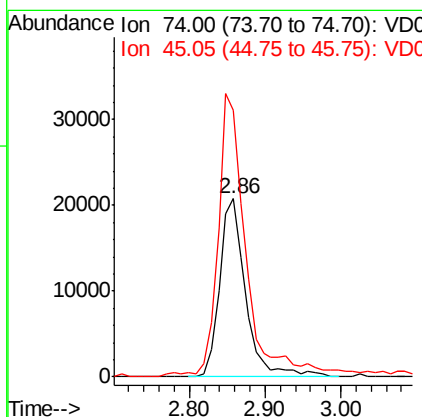
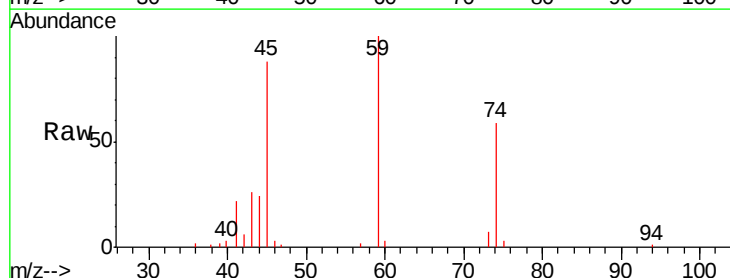
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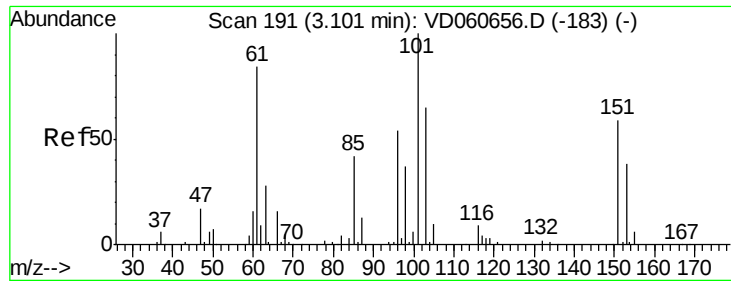


#8

Diethyl Ether
 Concen: 19.505 ug/l
 RT: 2.86 min Scan# 166
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49752		
45	150.0	79.3	238.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.778 ug/l

RT: 3.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

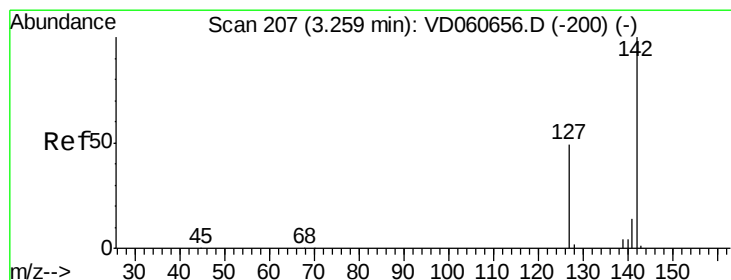
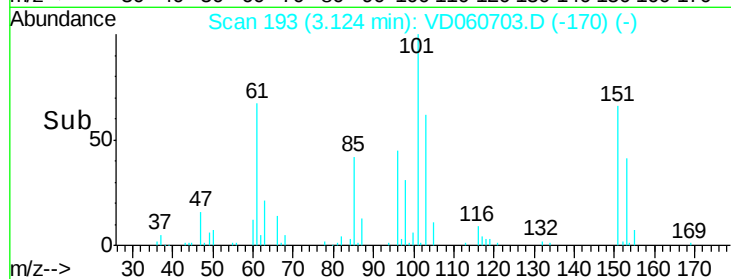
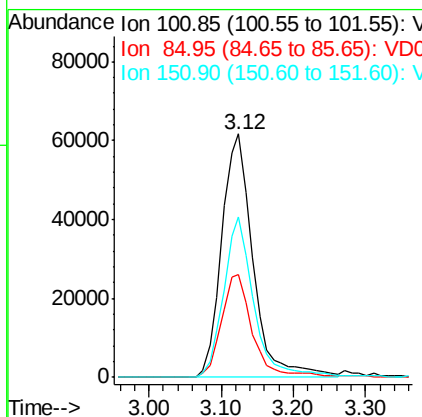
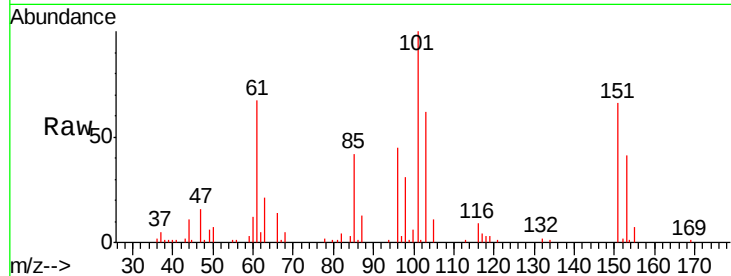
ClientSampleId :

VD1222SBS01

Tgt Ion:	101	Resp:	185700
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.0
151	66.1	47.5	71.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.179 ug/l

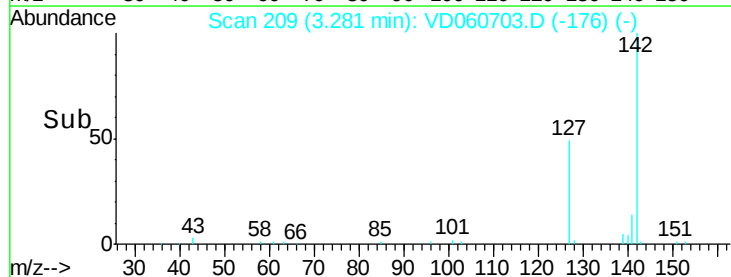
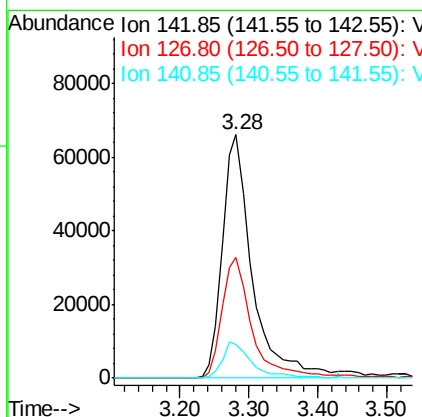
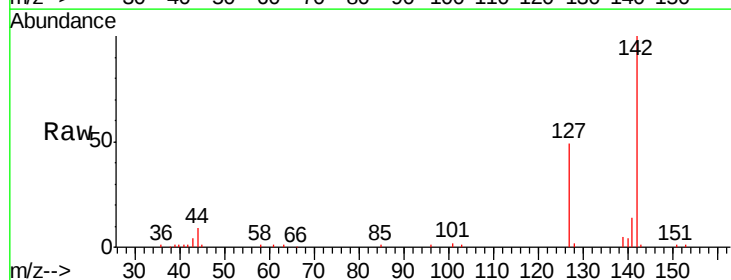
RT: 3.28 min Scan# 209

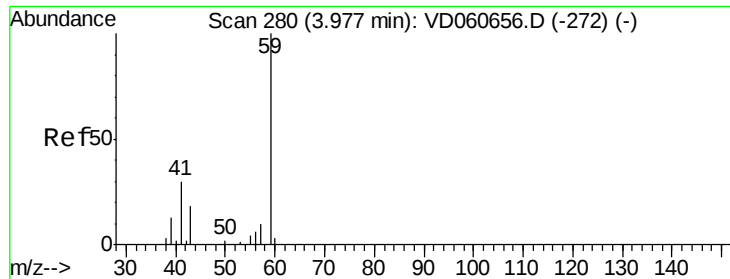
Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion:	142	Resp:	199326
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.5	59.3
141	13.7	11.3	16.9





#11

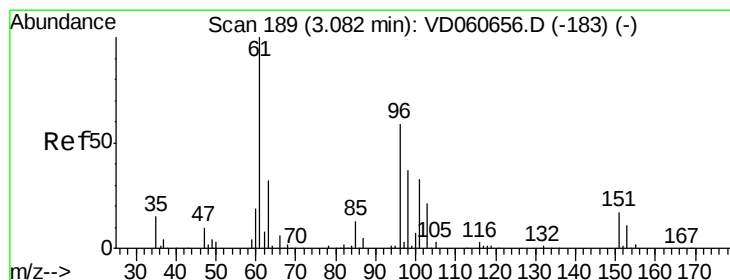
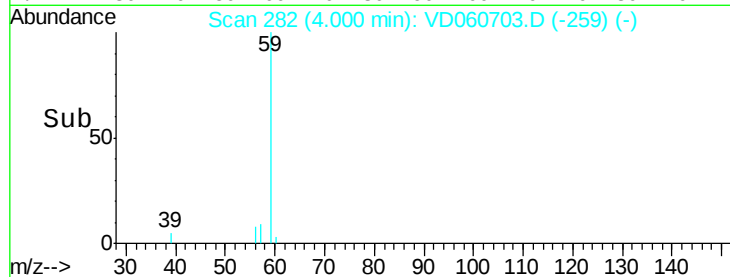
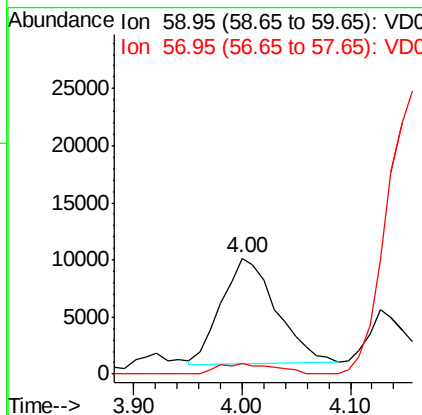
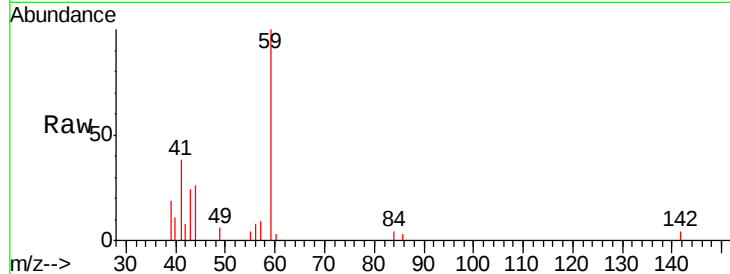
Tert butyl alcohol
Concen: 76.799 ug/l
RT: 4.00 min Scan# 282
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 59 Resp: 32564
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

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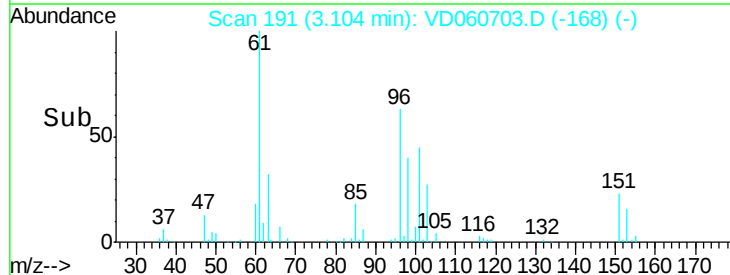
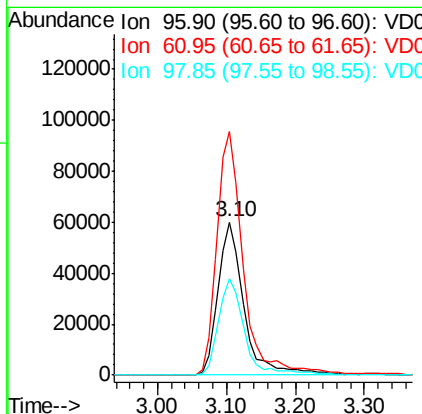
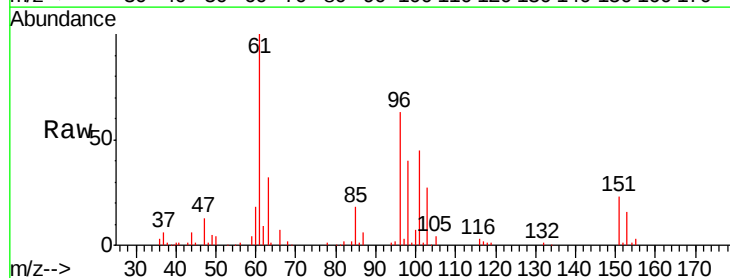
MMDadoda
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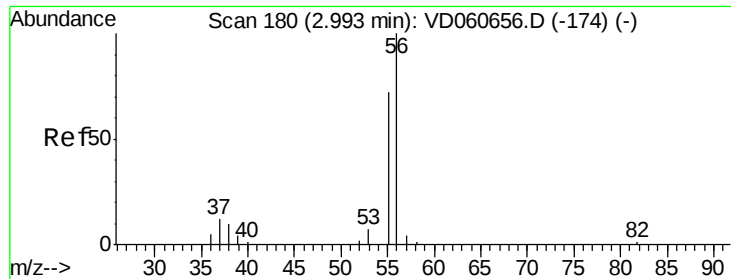


#12

1,1-Dichloroethene
Concen: 19.312 ug/l
RT: 3.10 min Scan# 191
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 96 Resp: 156925
Ion Ratio Lower Upper
96 100
61 159.4 136.2 204.4
98 63.3 50.7 76.1





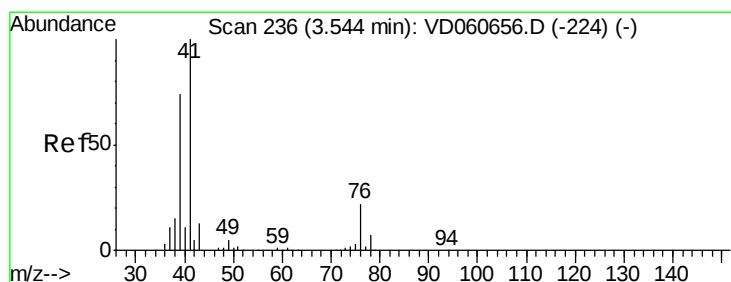
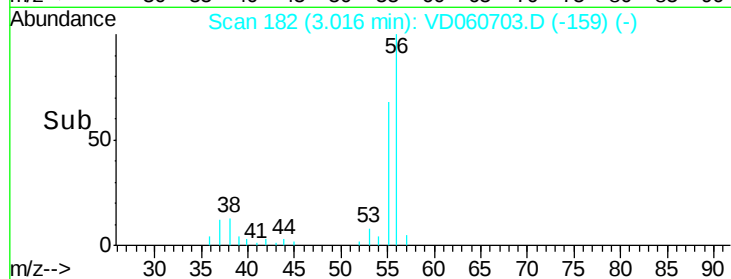
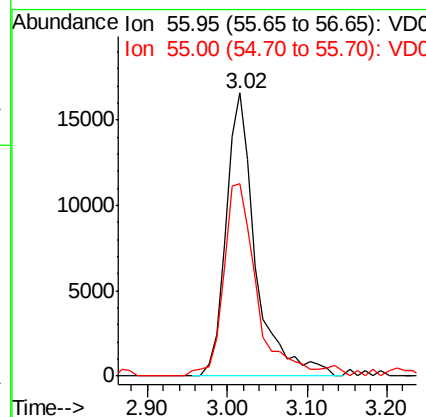
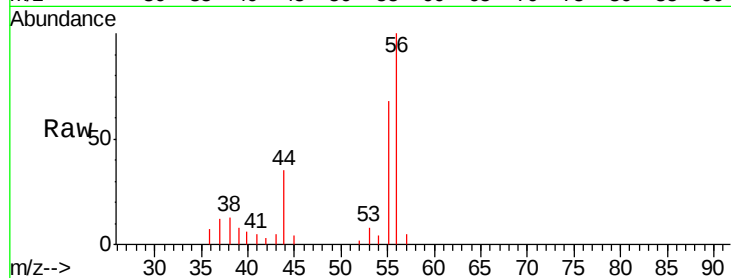
#13
Acrolein
Concen: 99.891 ug/l
RT: 3.02 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 56 Resp: 43162
Ion Ratio Lower Upper
56 100
55 68.2 57.7 86.5

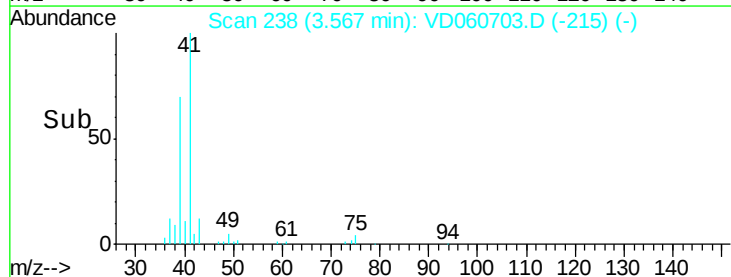
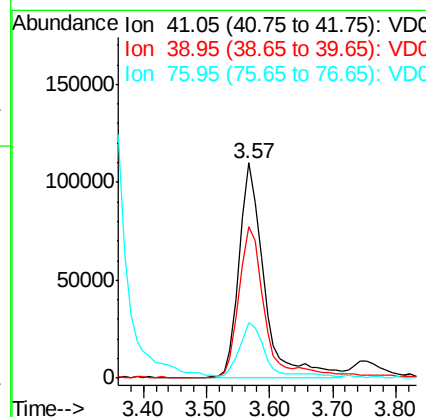
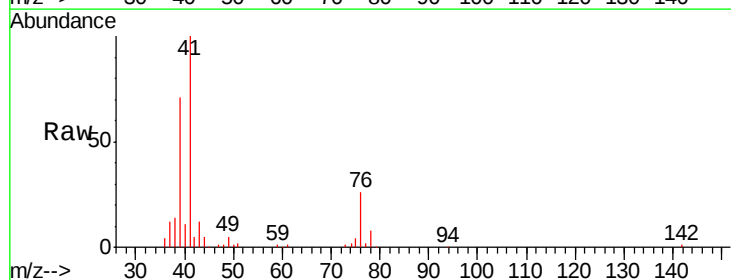
Manual Integrations
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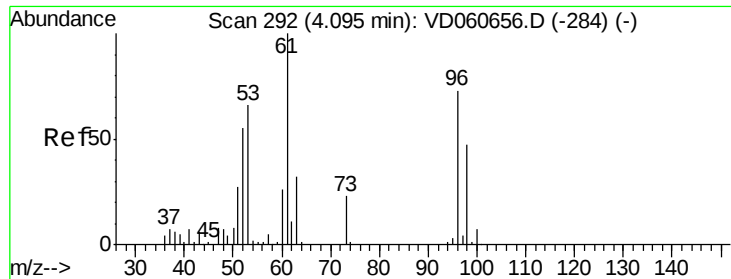
MMDadoda
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#14
Allyl chloride
Concen: 20.526 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 41 Resp: 306046
Ion Ratio Lower Upper
41 100
39 70.6 59.6 89.4
76 26.0 21.8 32.6





#15

Acrylonitrile

Concen: 98.257 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 53 Resp: 241875
Ion Ratio Lower Upper

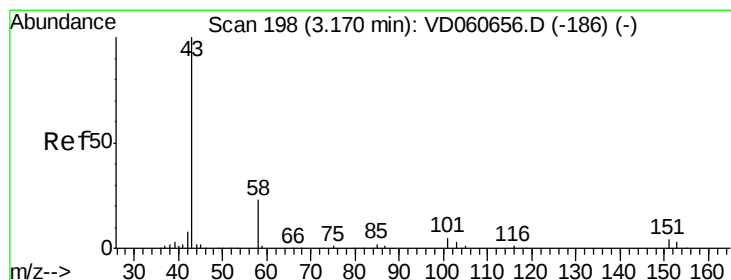
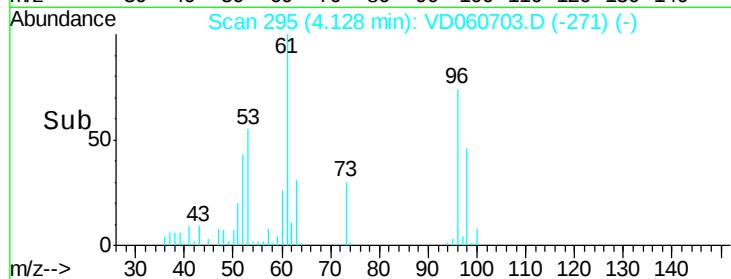
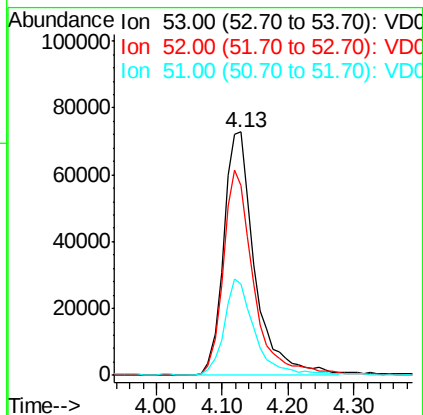
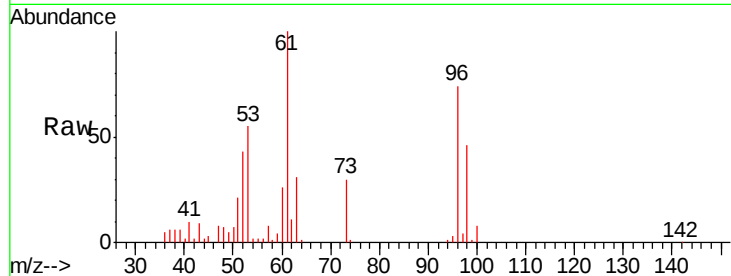
53 100

52 78.0 66.7 100.1

51 37.4 32.7 49.1

Manual Integrations
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#16

Acetone

Concen: 93.675 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

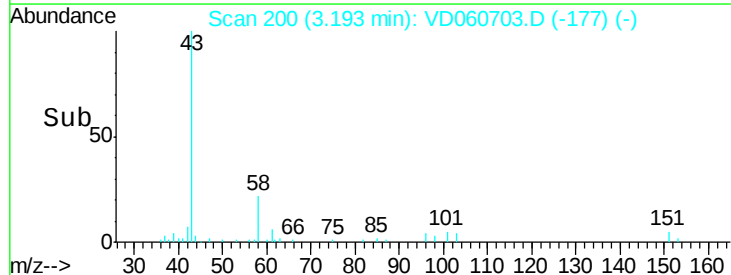
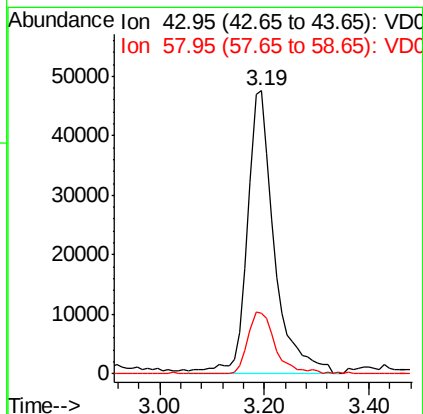
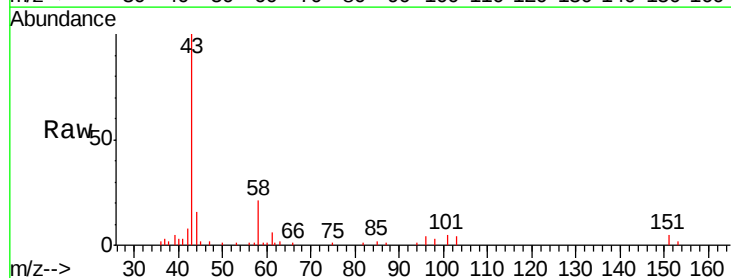
Lab File: VD060703.D

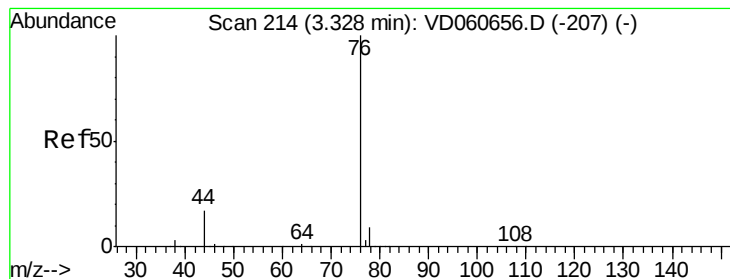
Acq: 22 Dec 2018 12:38

Tgt Ion: 43 Resp: 165974
Ion Ratio Lower Upper

43 100

58 21.5 18.2 27.2





#17

Carbon Disulfide

Concen: 17.827 ug/l

RT: 3.35 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBSD01

Tgt Ion: 76 Resp: 462628

Ion Ratio Lower Upper

76 100

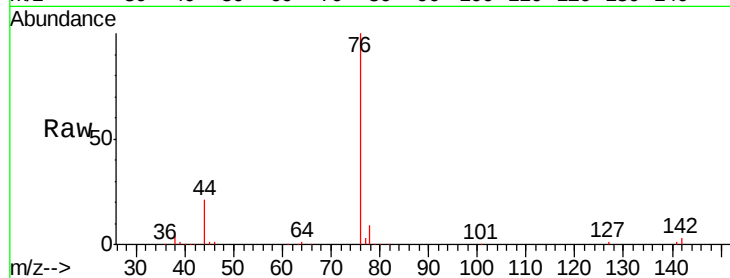
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.35

200000

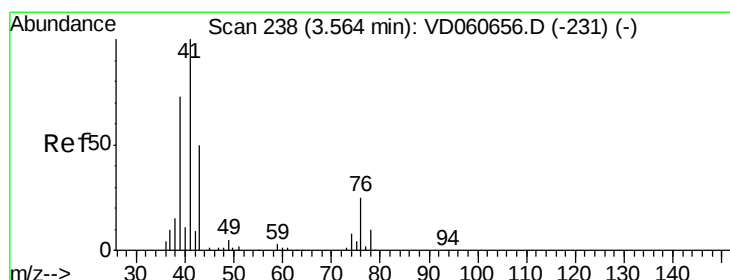
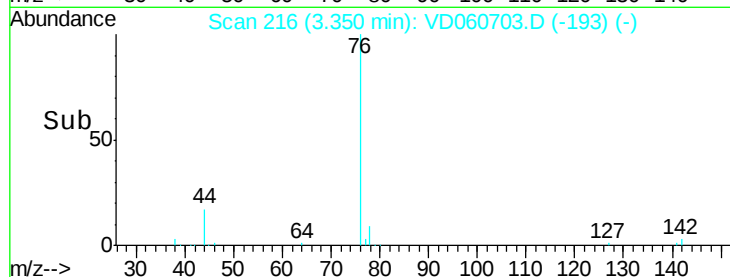
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.740 ug/l

RT: 3.59 min Scan# 240

Delta R.T. 0.02 min

Lab File: VD060703.D

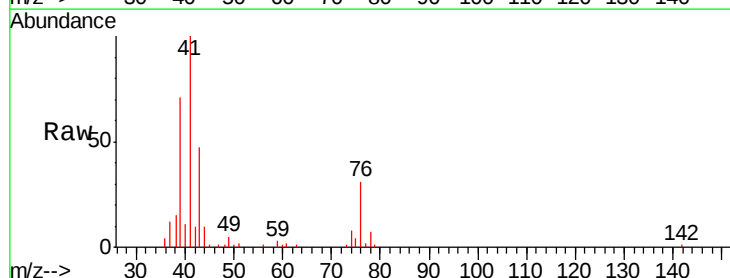
Acq: 22 Dec 2018 12:38

Tgt Ion: 43 Resp: 95461

Ion Ratio Lower Upper

43 100

74 17.8 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.59

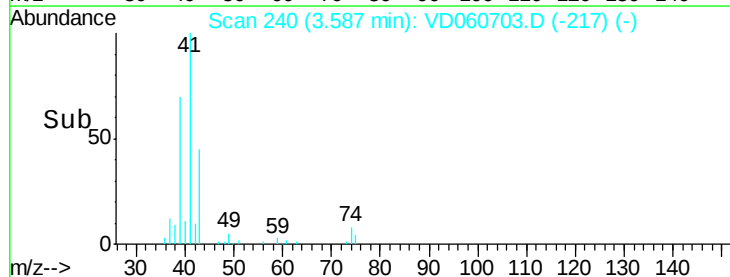
30000

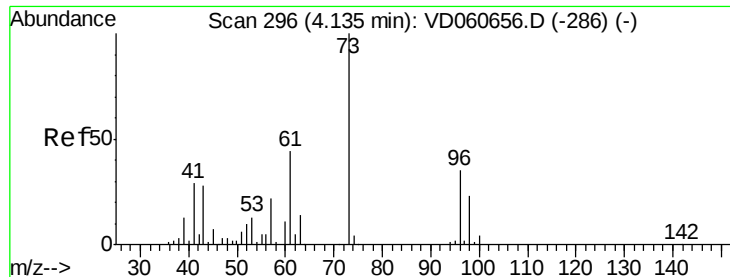
20000

10000

0

Time-->





#19

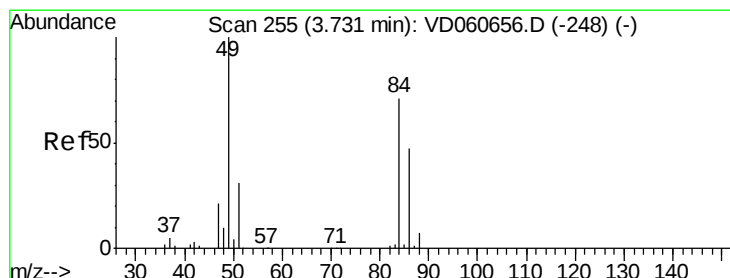
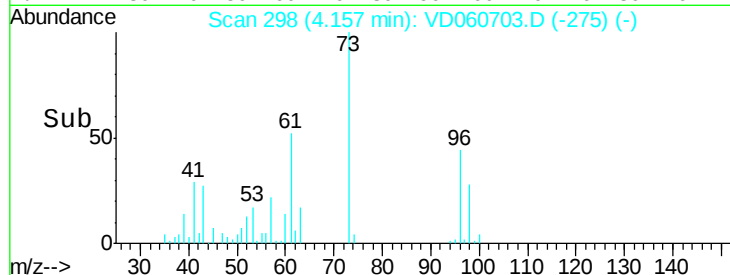
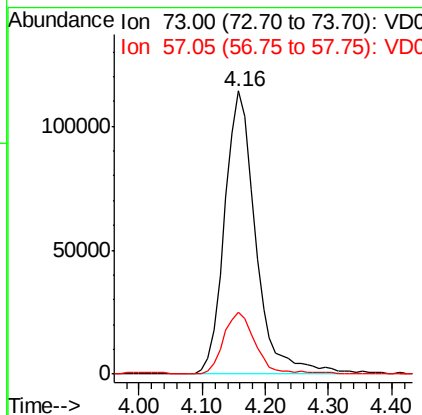
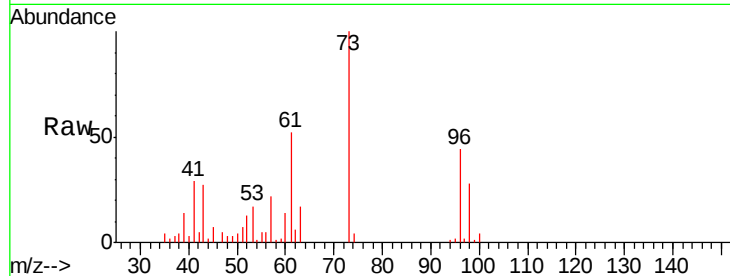
Methyl tert-butyl Ether
 Concen: 18.937 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 73 Resp: 390385
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.6 26.4

Manual Integrations
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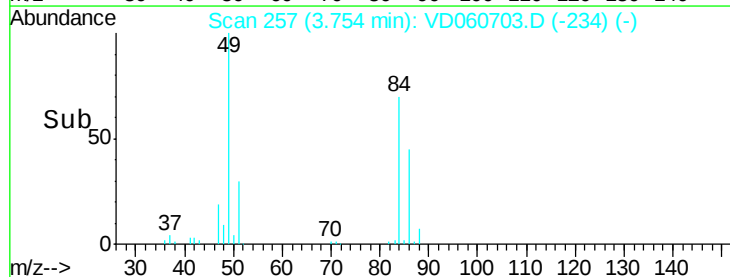
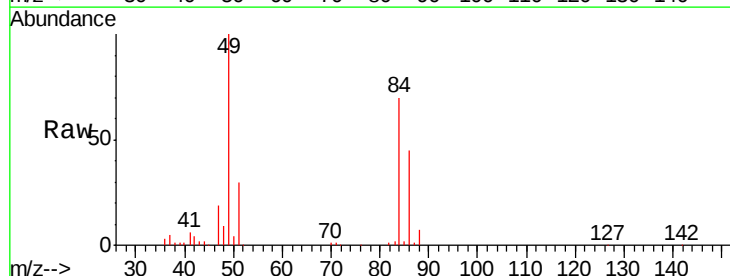
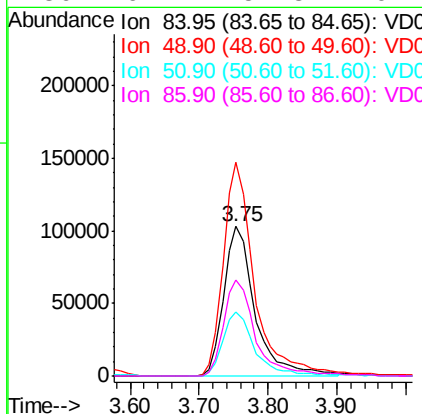
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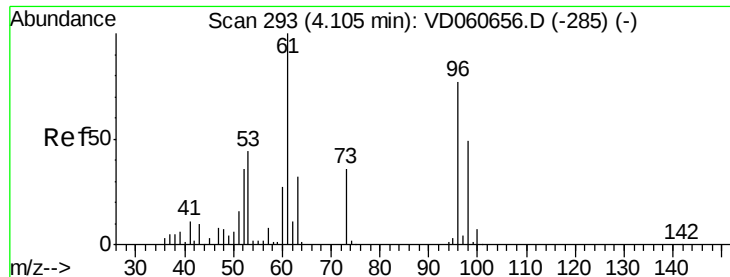


#20

Methylene Chloride
 Concen: 17.723 ug/l
 RT: 3.75 min Scan# 257
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 84 Resp: 326111
 Ion Ratio Lower Upper
 84 100
 49 143.0 113.6 170.4
 51 43.3 34.7 52.1
 86 64.1 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 18.272 ug/l

RT: 4.14 min Scan# 296

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 96 Resp: 304058
Ion Ratio Lower Upper

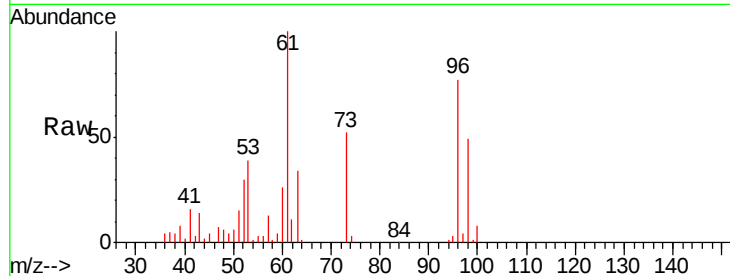
96 100

61 130.5 104.2 156.2

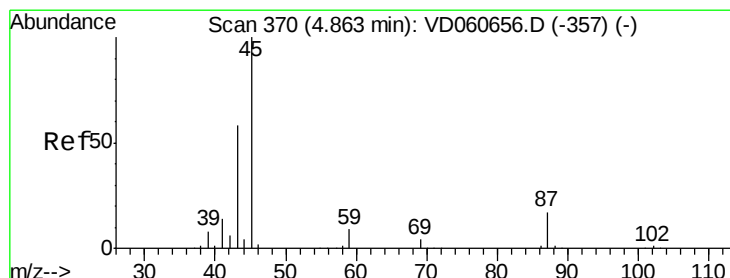
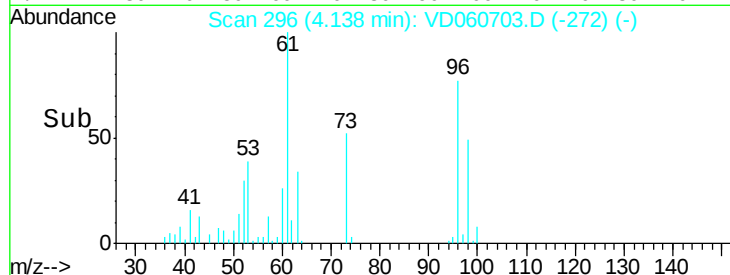
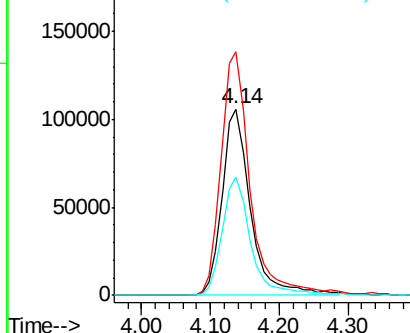
98 63.4 51.2 76.8

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



#22

Diisopropyl ether

Concen: 19.044 ug/l

RT: 4.89 min Scan# 372

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion: 45 Resp: 964083
Ion Ratio Lower Upper

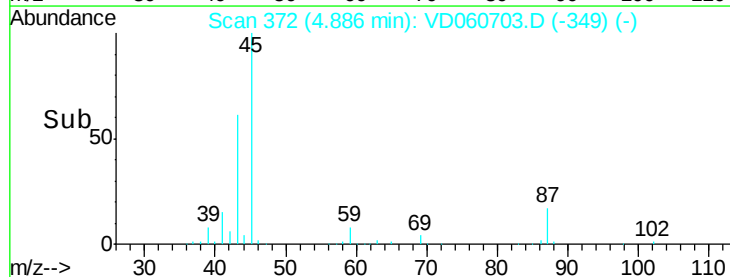
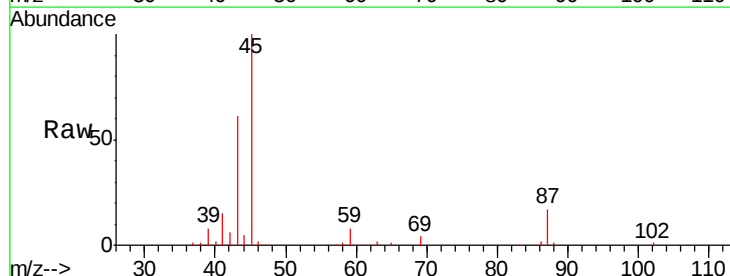
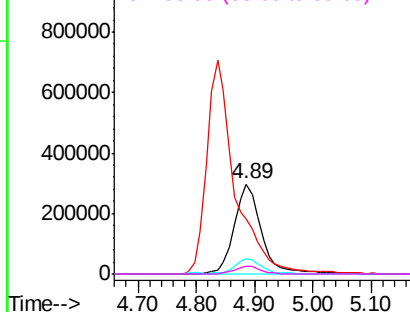
45 100

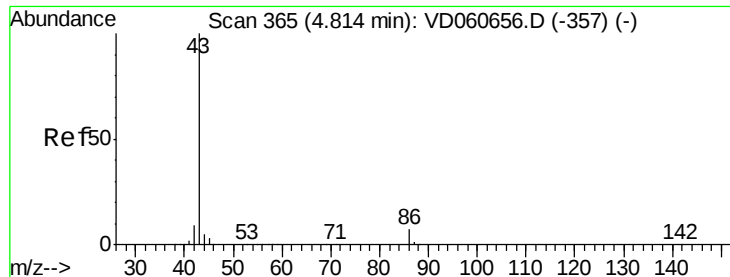
43 61.3 46.1 69.1

87 17.4 13.7 20.5

59 8.1 7.4 11.0

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





#23

Vinyl Acetate

Concen: 97.123 ug/l

RT: 4.84 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 43 Resp: 2378747

Ion Ratio Lower Upper

43 100

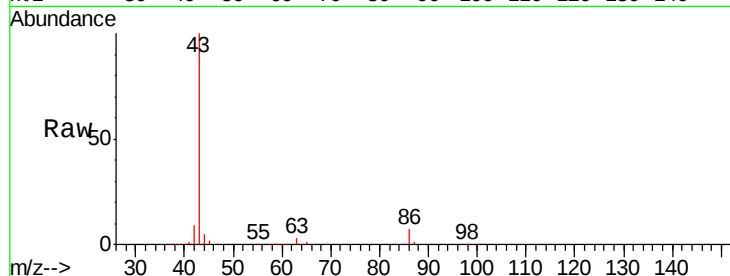
86 6.9 5.6 8.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 86.00 (85.70 to 86.70): VD0

800000

600000

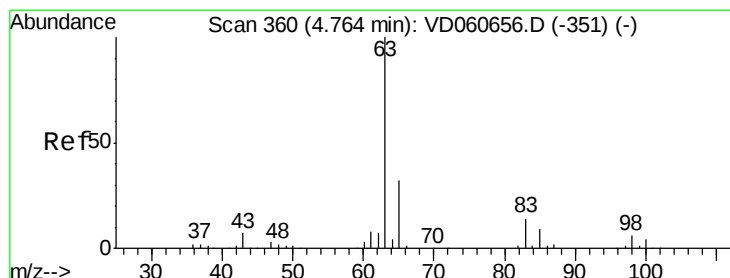
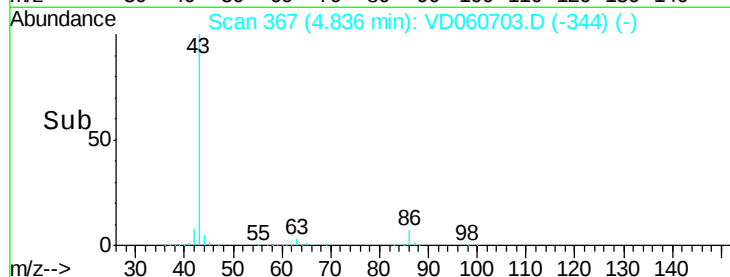
400000

200000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.135 ug/l

RT: 4.79 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

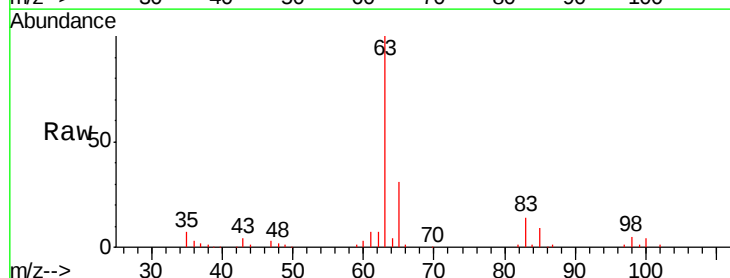
Tgt Ion: 63 Resp: 509522

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

100 4.0 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 97.95 (97.65 to 98.65): VD0

Ion 99.95 (99.65 to 100.65): VD0

200000

150000

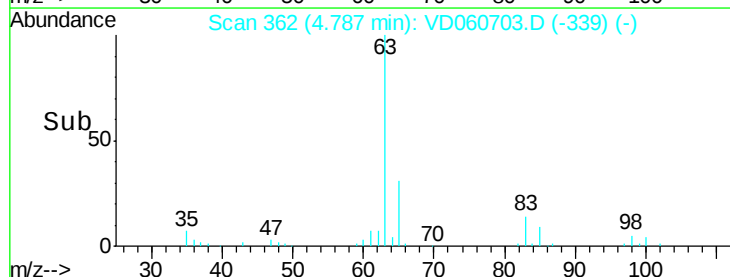
100000

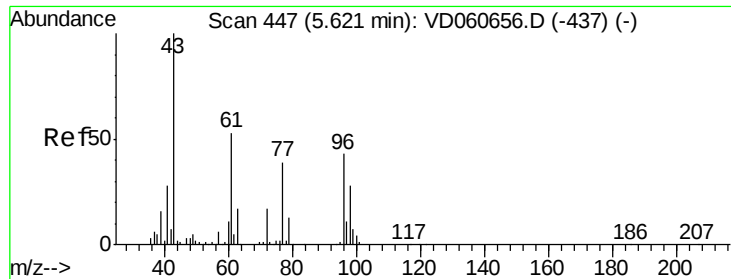
50000

0

4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 95.723 ug/l

RT: 5.65 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 43 Resp: 324547

Ion Ratio Lower Upper

43 100

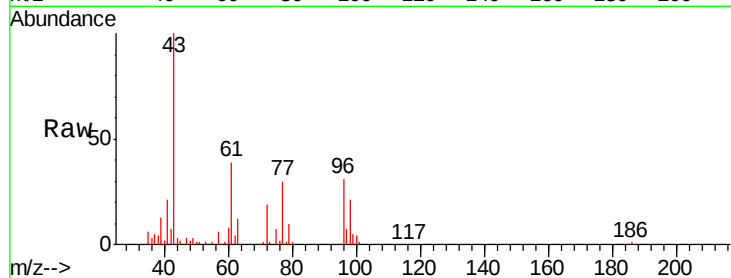
72 18.8 13.7 20.5

Manual Integrations

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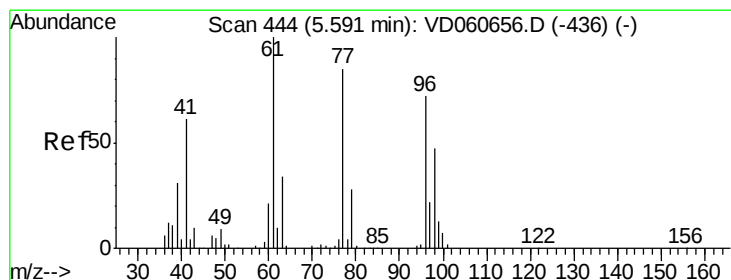
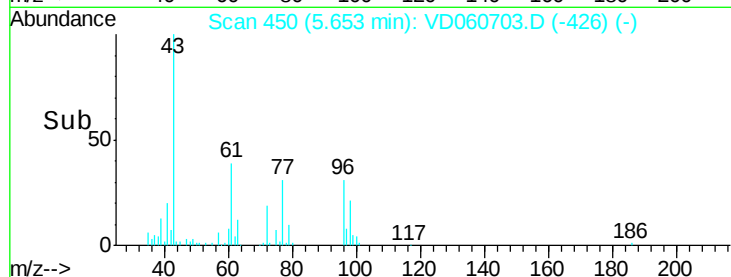
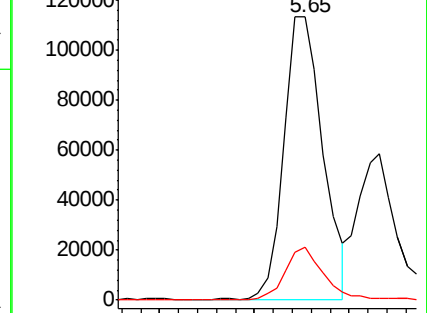
MMDadoda

12/26/2018 11:04:16 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.882 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.03 min

Lab File: VD060703.D

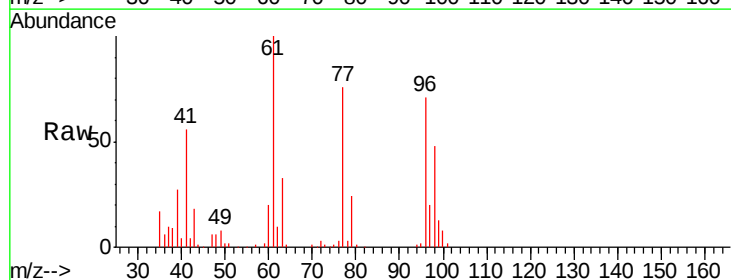
Acq: 22 Dec 2018 12:38

Tgt Ion: 77 Resp: 396877

Ion Ratio Lower Upper

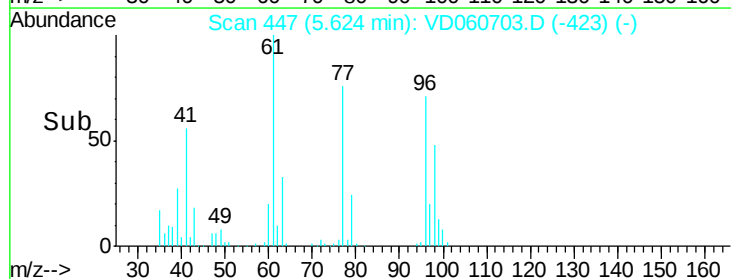
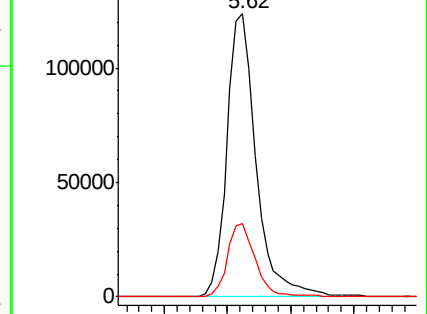
77 100

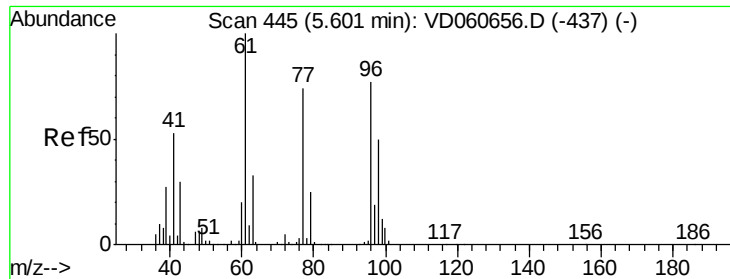
97 26.2 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

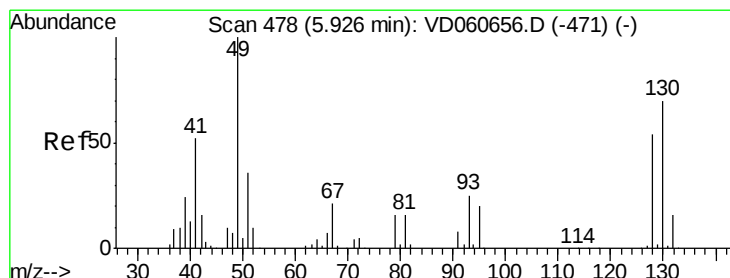
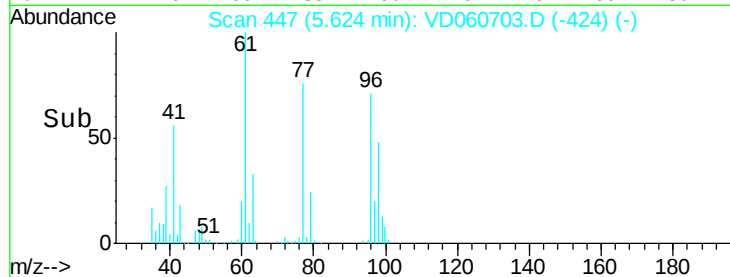
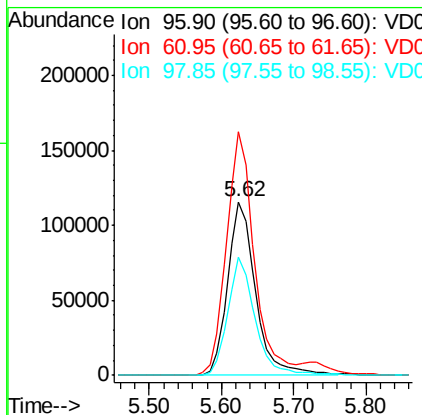
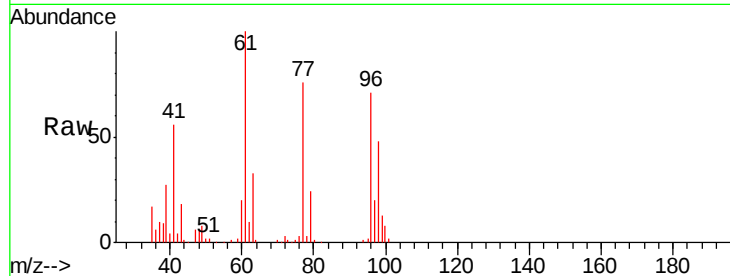
cis-1,2-Dichloroethene
Concen: 18.483 ug/l
RT: 5.62 min Scan# 447
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	312225		
61	140.1	0.0	259.4	
98	67.8	0.0	130.0	

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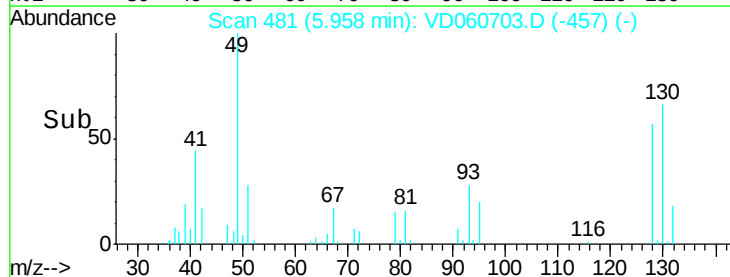
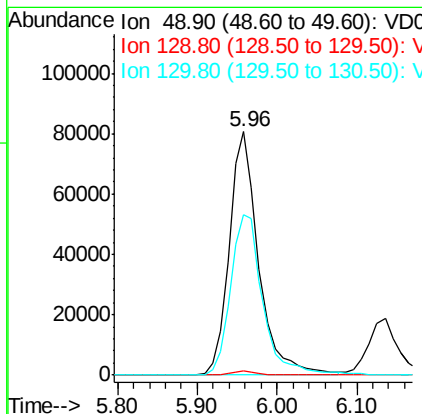
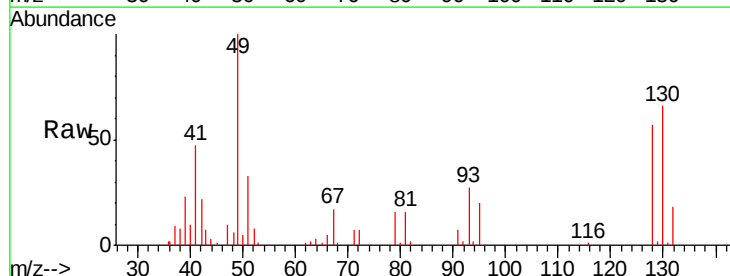
MMDadoda
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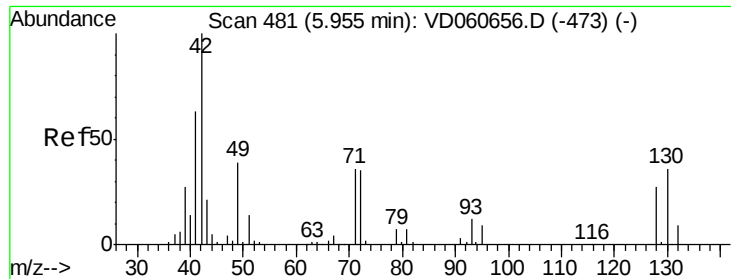


#28

Bromochloromethane
Concen: 18.471 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	207777		
129	1.6	0.0	3.4	
130	65.9	56.2	84.2	





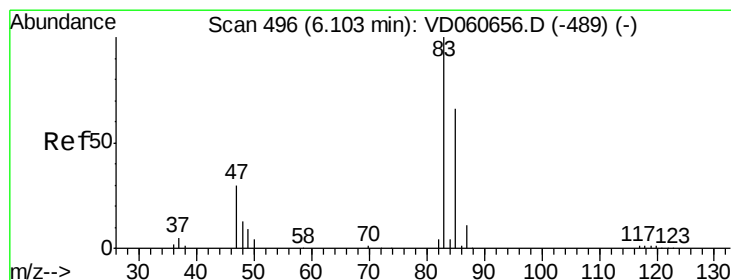
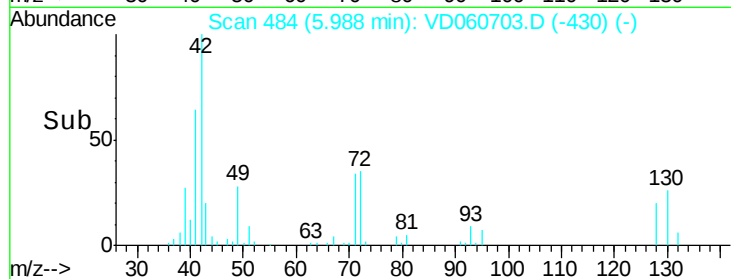
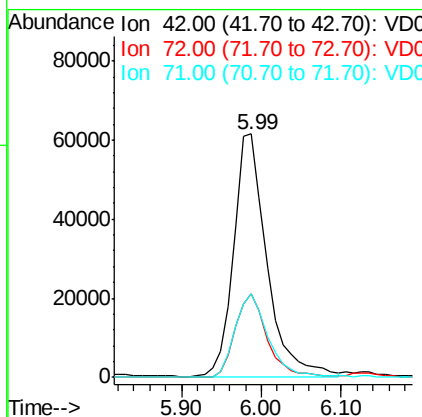
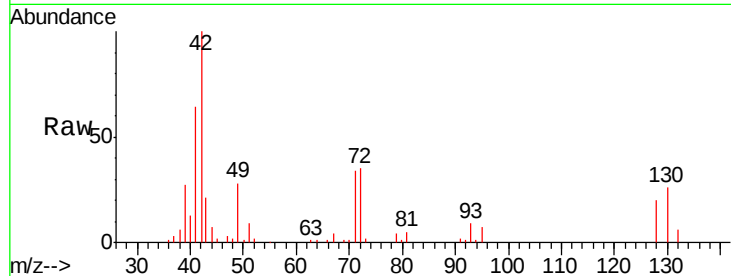
#29
Tetrahydrofuran
Concen: 93.842 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.0	28.0	42.0
71	33.9	27.0	40.6

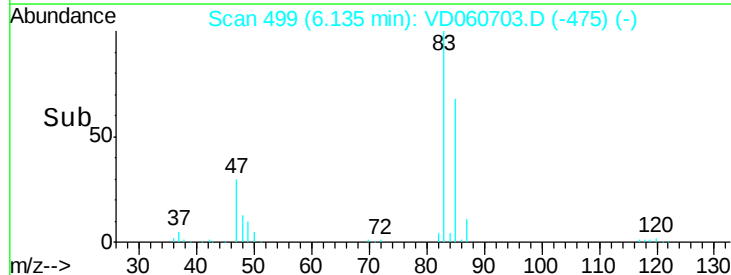
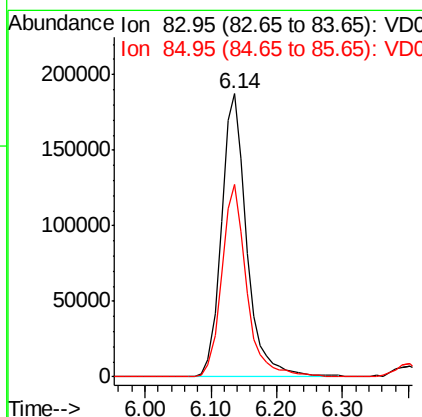
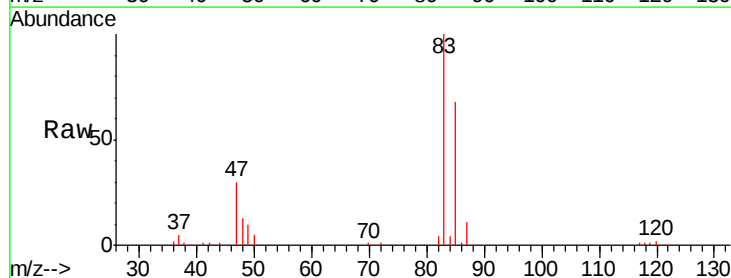
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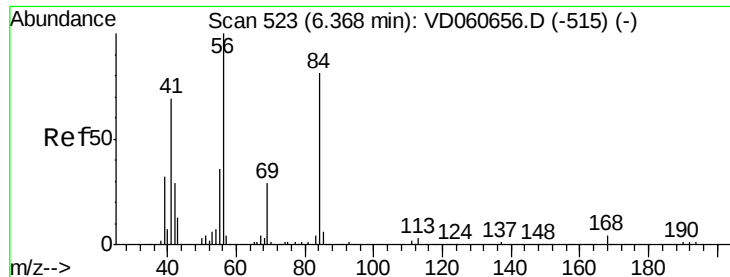
MMDadoda
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#30
Chloroform
Concen: 18.781 ug/l
RT: 6.14 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.0	79.6





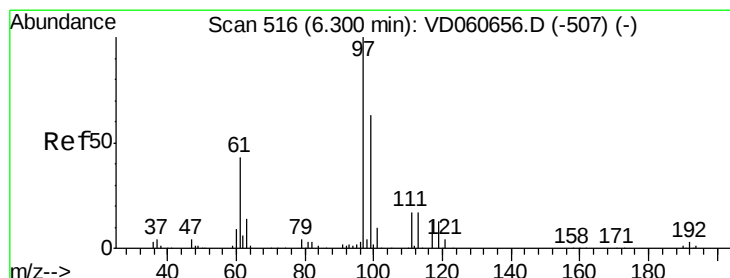
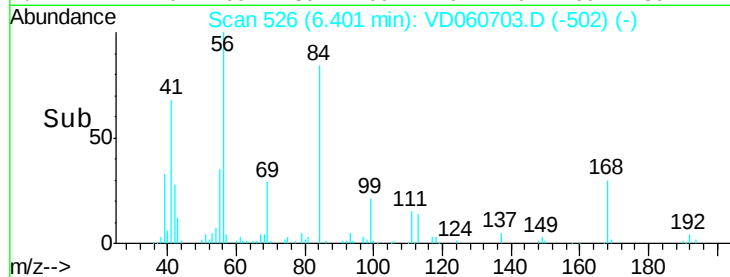
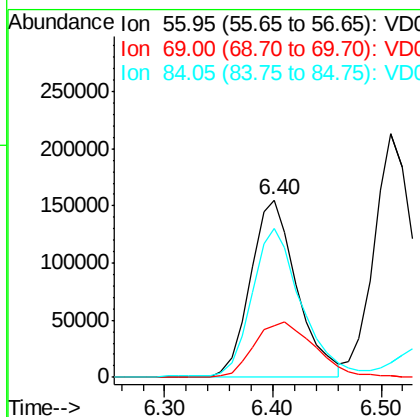
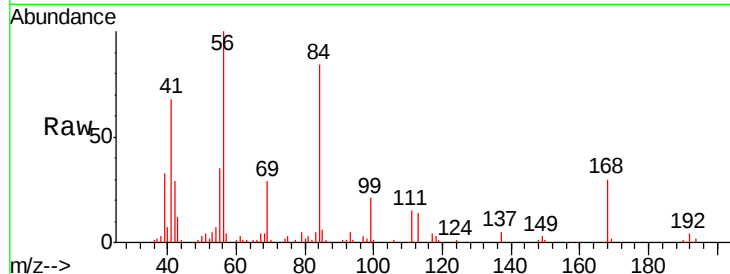
#31
Cyclohexane
Concen: 18.054 ug/l
RT: 6.40 min Scan# 526
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.6	35.4
84	83.8	65.8	98.6

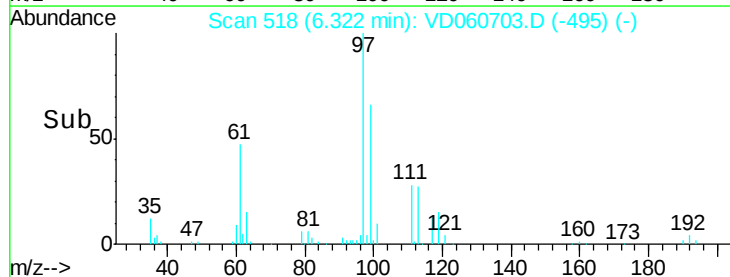
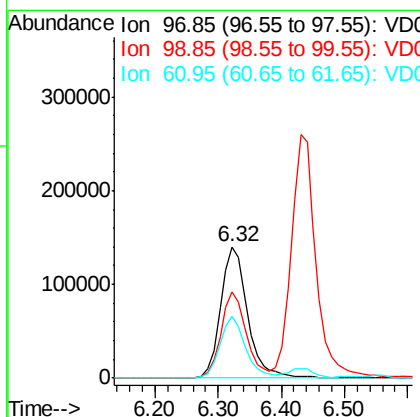
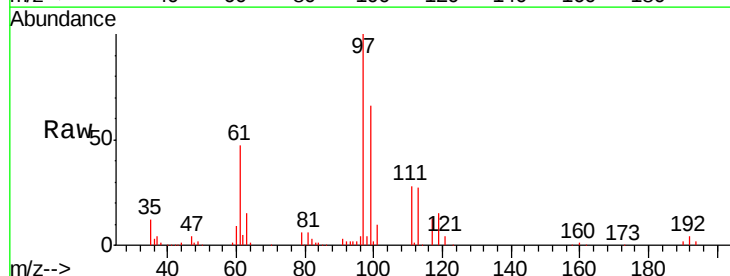
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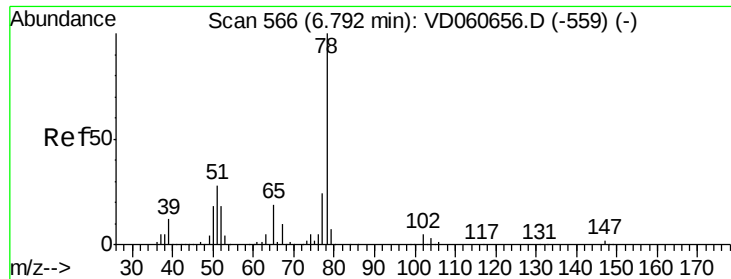
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#32
1,1,1-Trichloroethane
Concen: 18.754 ug/l
RT: 6.32 min Scan# 518
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.5	75.7
61	46.7	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 18.754 ug/l

RT: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 65 Resp: 517472

Ion Ratio Lower Upper

65 100

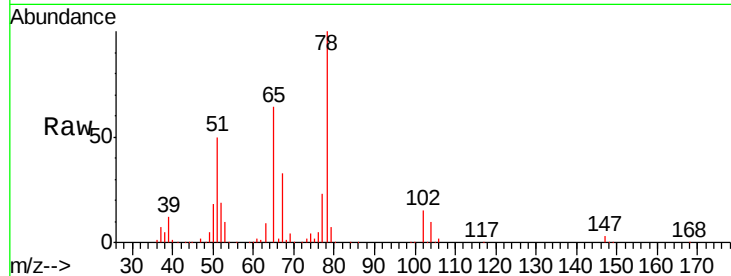
67 51.9 0.0 105.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

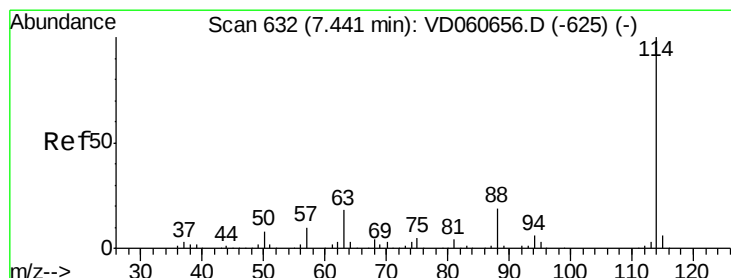
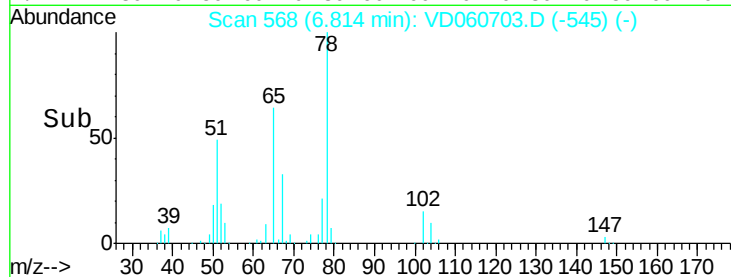
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 635

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

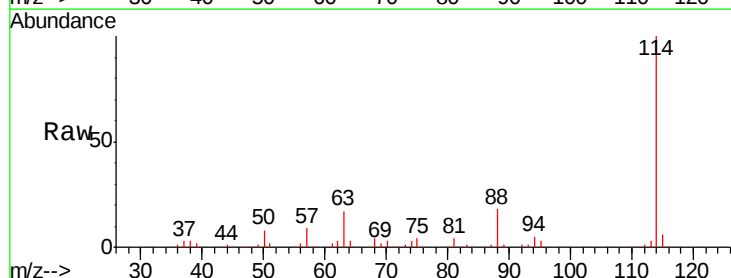
Tgt Ion: 114 Resp: 2051193

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.2

88 18.3 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

400000

200000

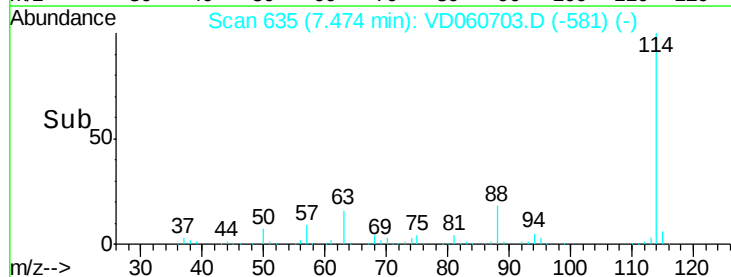
0

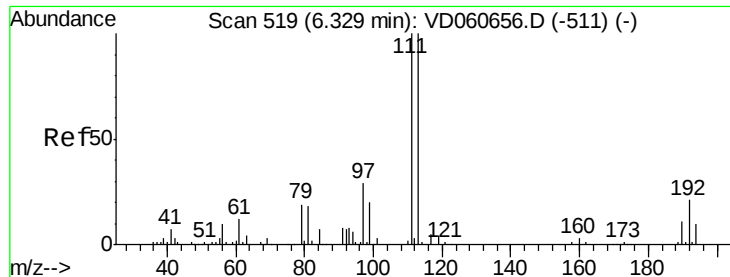
7.40

7.60

7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

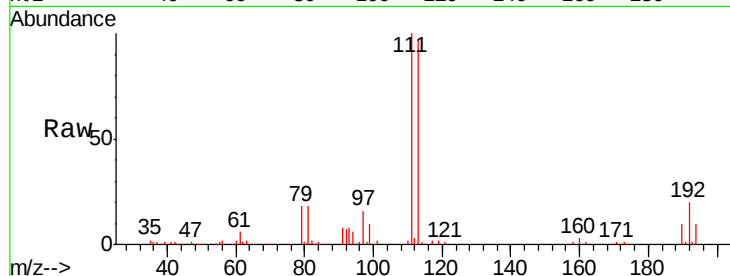
ClientSampleId :

VD1222SBS01

Tgt Ion:	113	Resp:	747673
Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.0	120.0
192	20.2	16.6	25.0

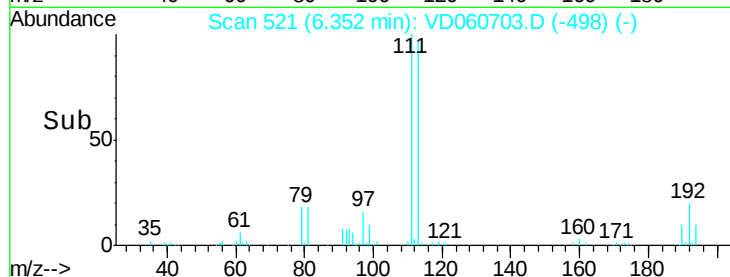
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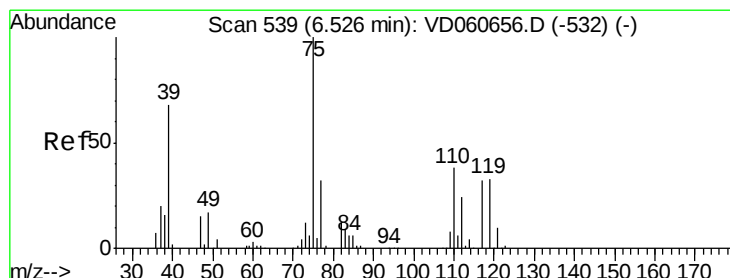


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.35



Time--> 6.20 6.30 6.40 6.50



#36

1,1-Dichloropropene

Concen: 18.865 ug/l

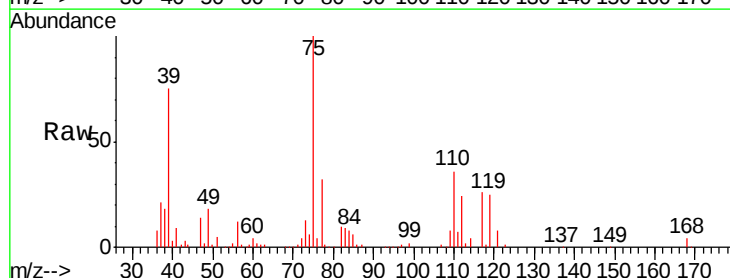
RT: 6.56 min Scan# 542

Delta R.T. 0.03 min

Lab File: VD060703.D

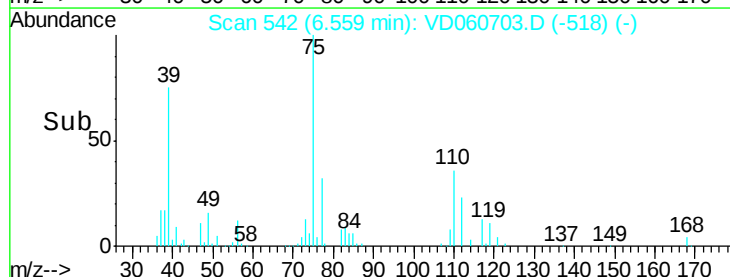
Acq: 22 Dec 2018 12:38

Tgt Ion:	75	Resp:	398461
Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.9	56.7
77	32.1	25.4	38.0

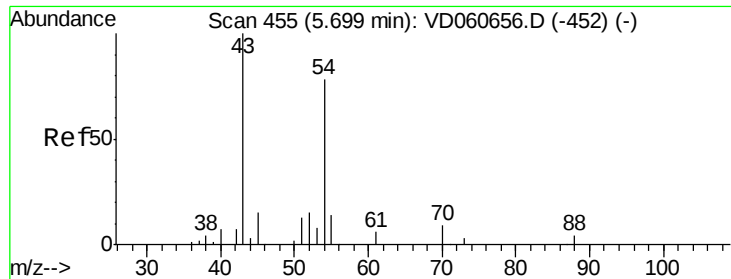


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

6.56



Time--> 6.40 6.50 6.60 6.70



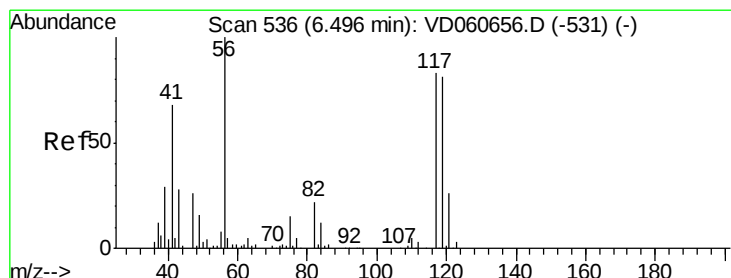
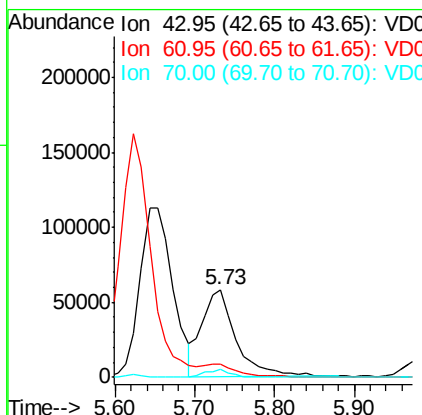
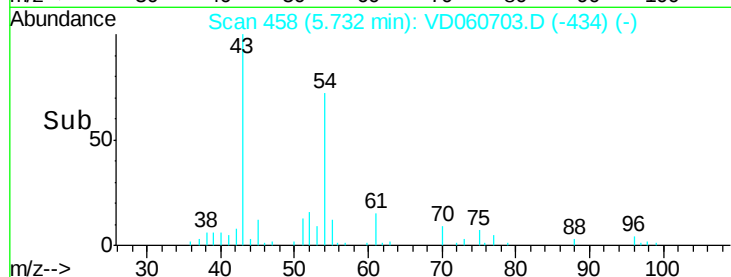
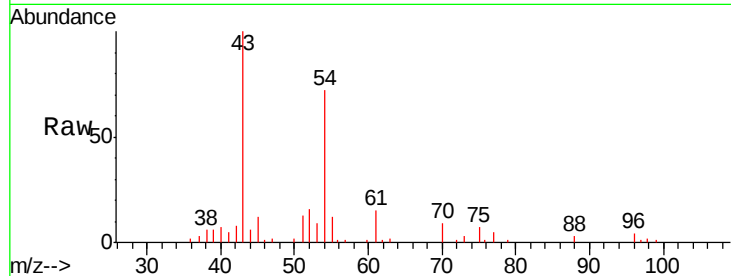
#37
Ethyl Acetate
Concen: 19.499 ug/l
RT: 5.73 min Scan# 458
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 43 Resp: 172244
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 8.7 5.8 8.6#

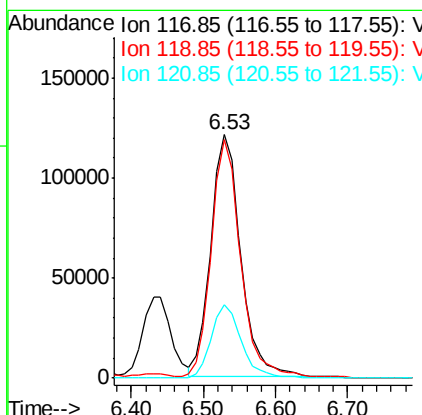
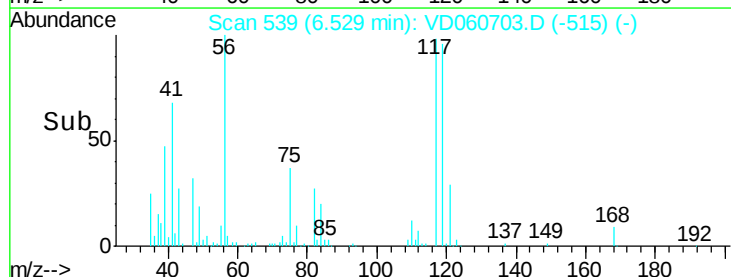
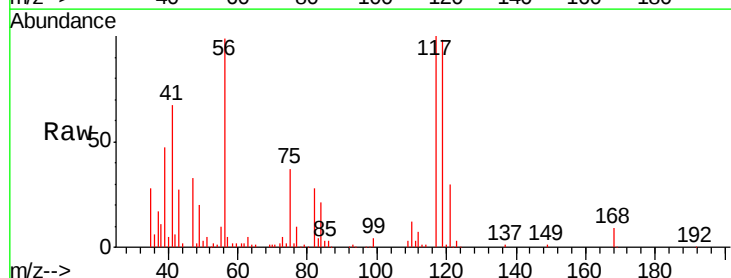
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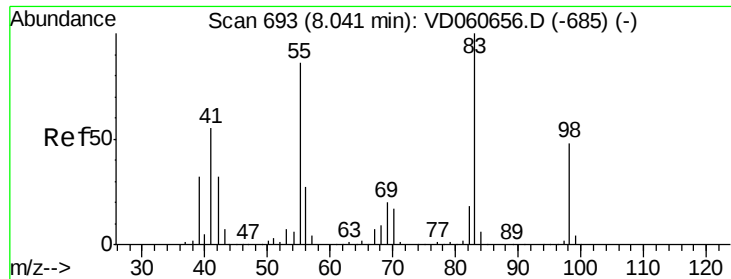
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#38
Carbon Tetrachloride
Concen: 18.699 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 117 Resp: 348430
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4
121 30.0 24.7 37.1





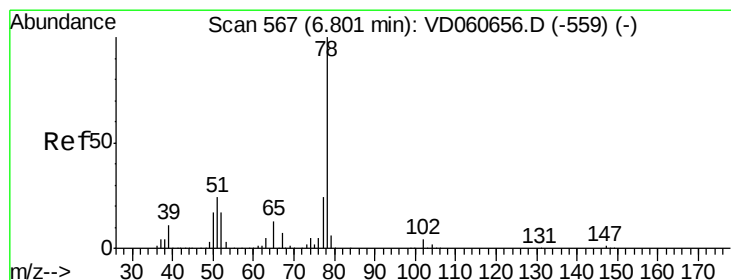
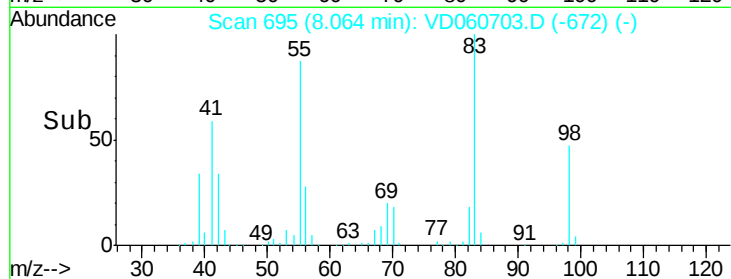
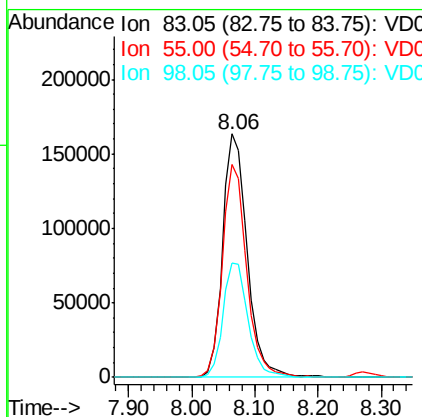
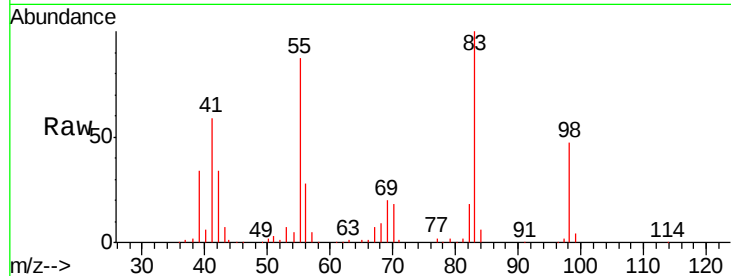
#39
Methylcyclohexane
Concen: 18.296 ug/l
RT: 8.06 min Scan# 695
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	68.6	102.8
98	47.2	38.1	57.1

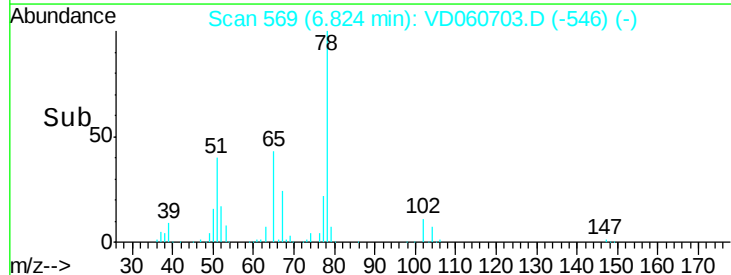
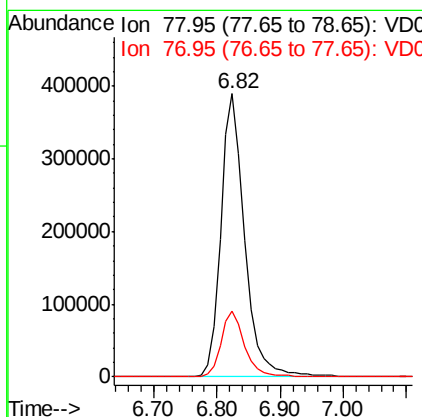
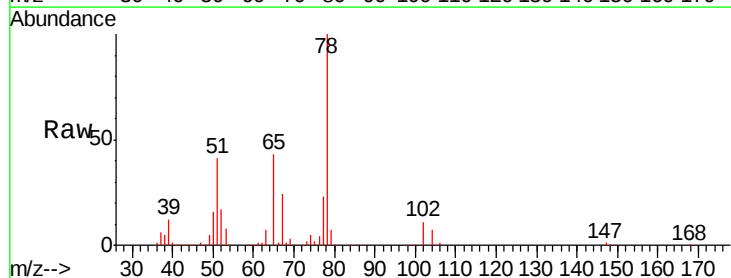
Manual Integrations
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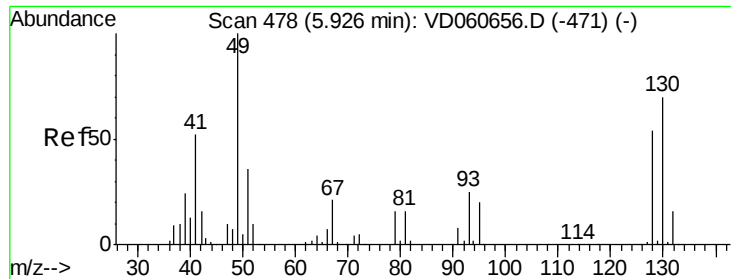
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#40
Benzene
Concen: 18.669 ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 16.708 ug/l m

RT: 5.96 min Scan# 481

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 41 Resp: 81638
Ion Ratio Lower Upper

41 100

39 48.9 37.6 56.4

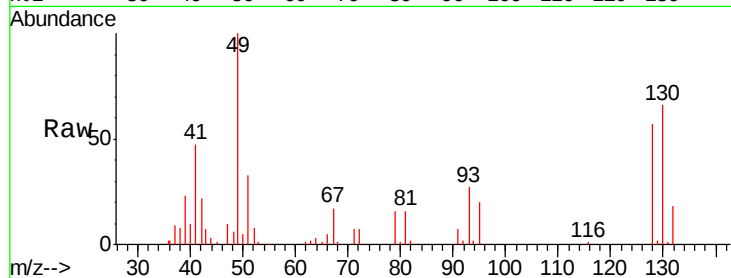
67 37.0 33.0 49.6

52 16.9 15.5 23.3

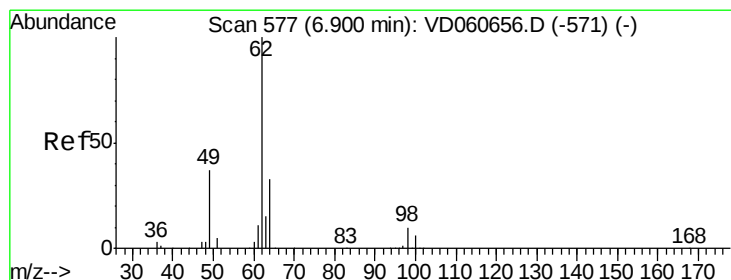
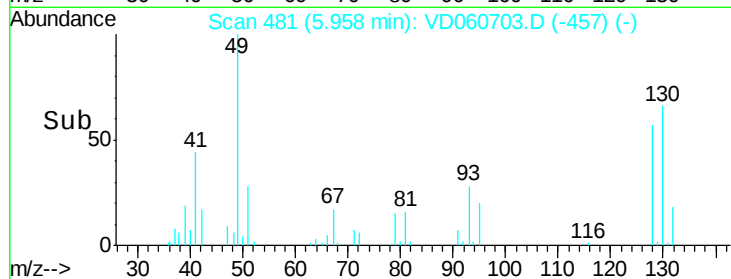
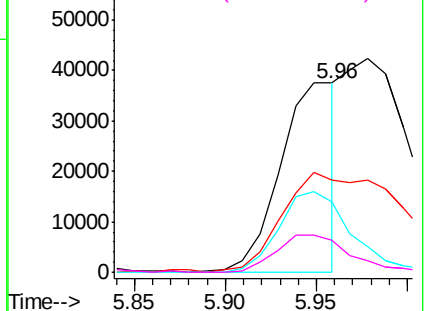
Manual Integrations
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.597 ug/l

RT: 6.92 min Scan# 579

Delta R.T. 0.02 min

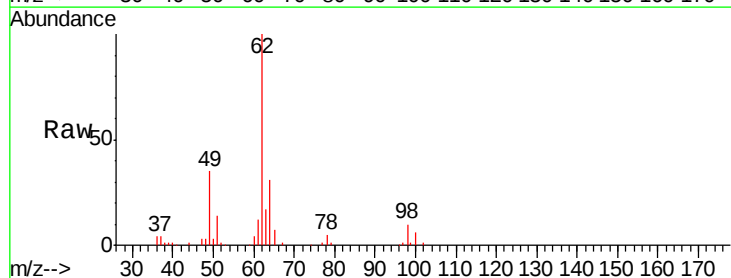
Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

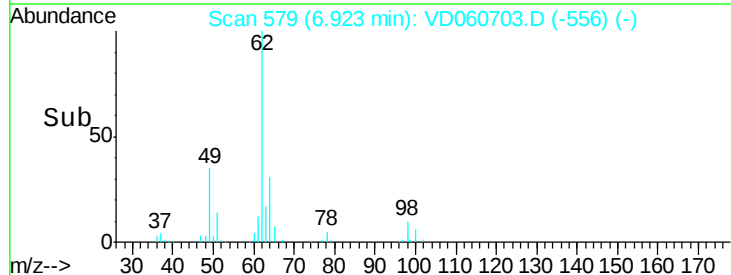
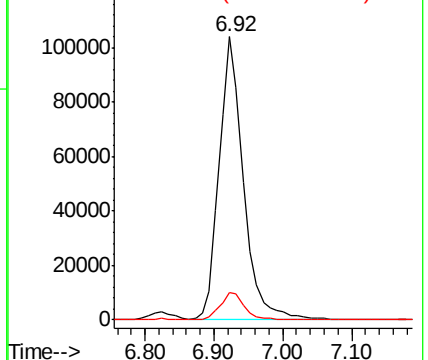
Tgt Ion: 62 Resp: 251793
Ion Ratio Lower Upper

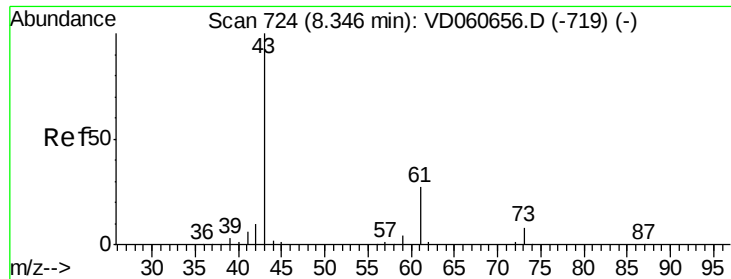
62 100

98 9.8 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 18.585 ug/l

RT: 8.37 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

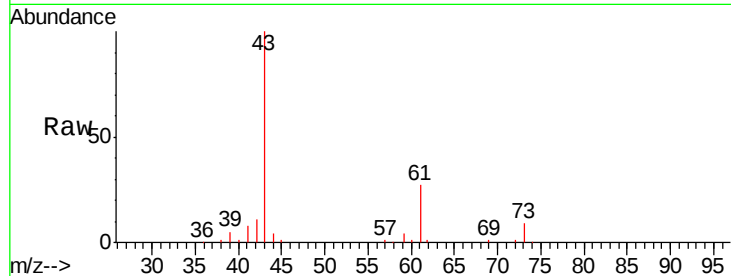
ClientSampleId :

VD1222SBS01

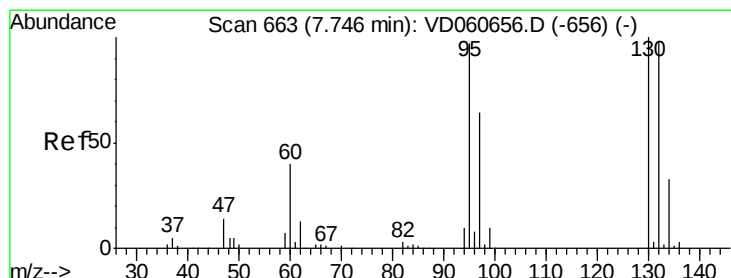
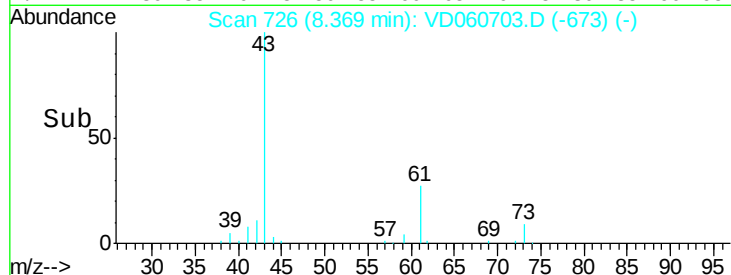
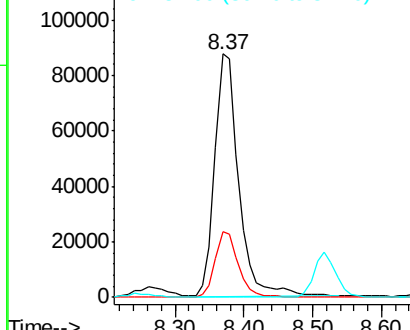
Tgt Ion:	43	Resp:	210674
Ion Ratio	Lower	Upper	
43	100		
61	27.1	21.8	32.8
87	0.0	0.2	0.4

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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: 18.570 ug/l

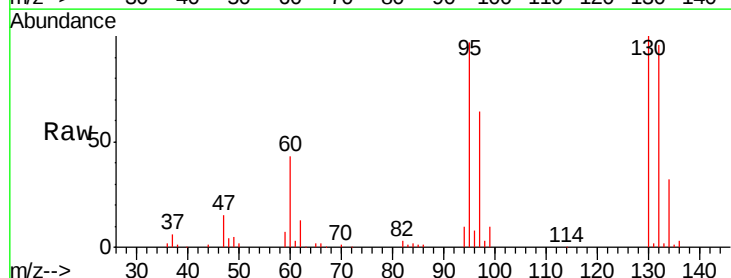
RT: 7.77 min Scan# 665

Delta R.T. 0.02 min

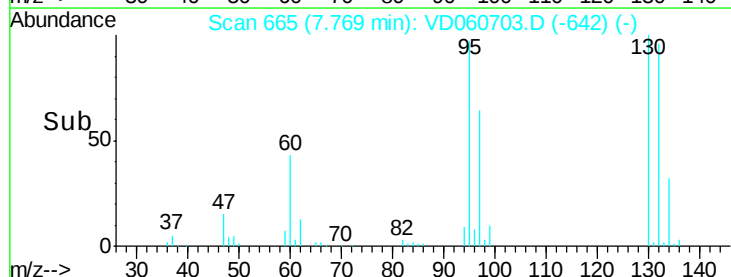
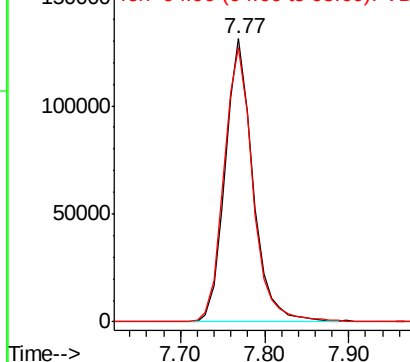
Lab File: VD060703.D

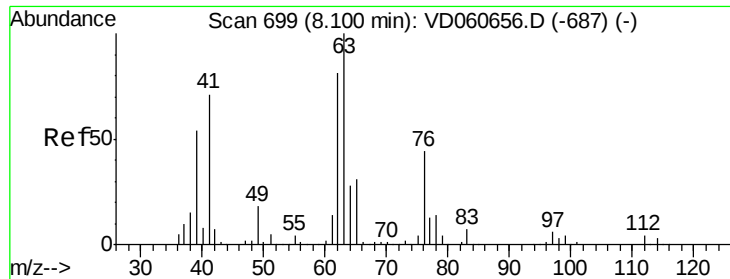
Acq: 22 Dec 2018 12:38

Tgt Ion:	130	Resp:	299864
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	193.6



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





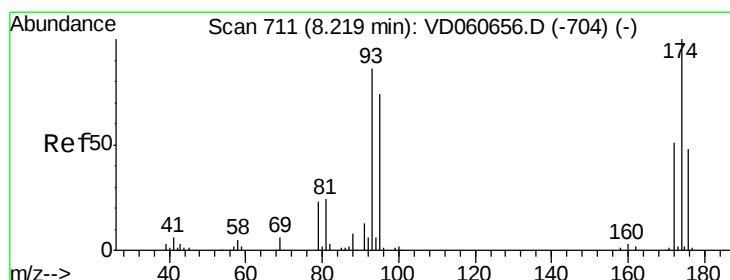
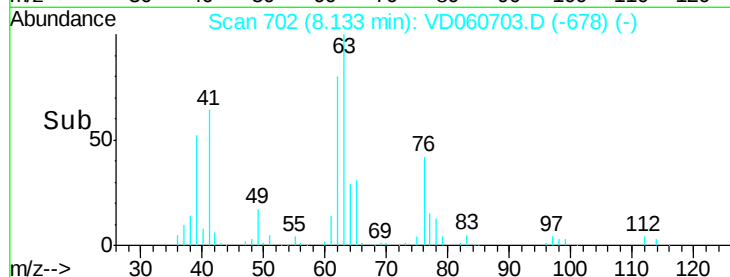
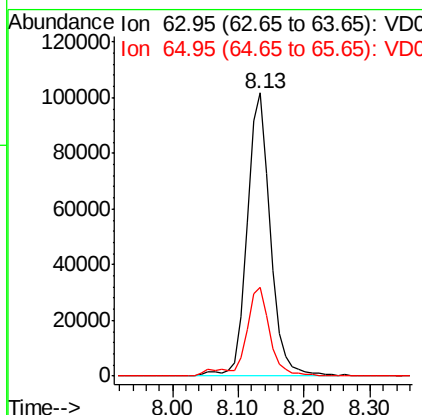
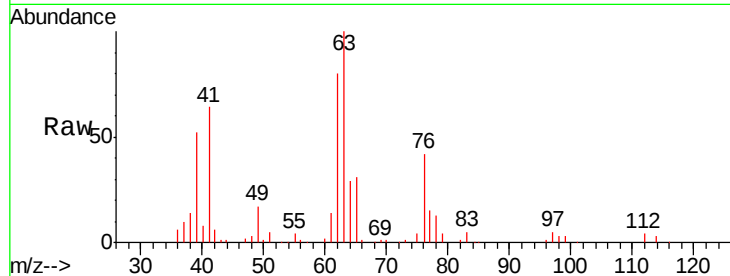
#45
 1,2-Dichloropropane
 Concen: 18.780 ug/l
 RT: 8.13 min Scan# 702
 Delta R.T. 0.03 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 63 Resp: 251278
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

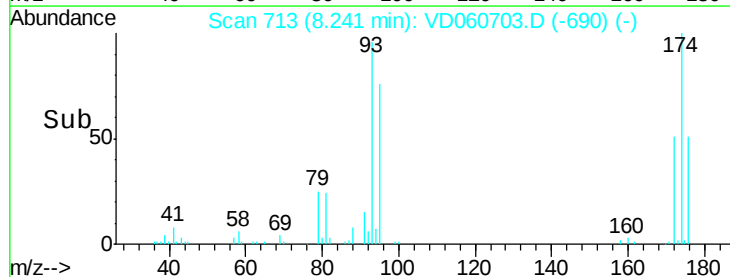
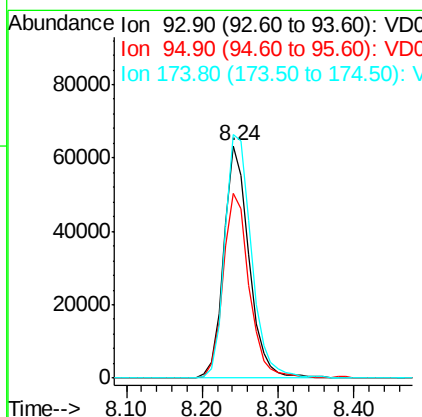
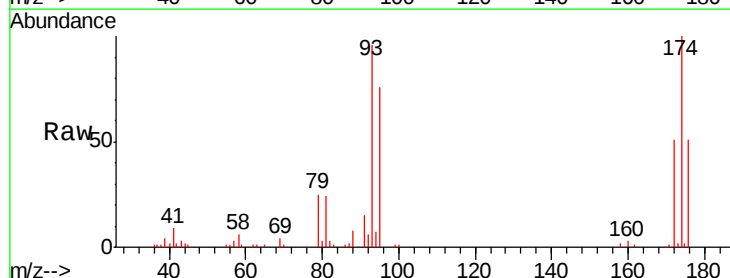
Manual Integrations
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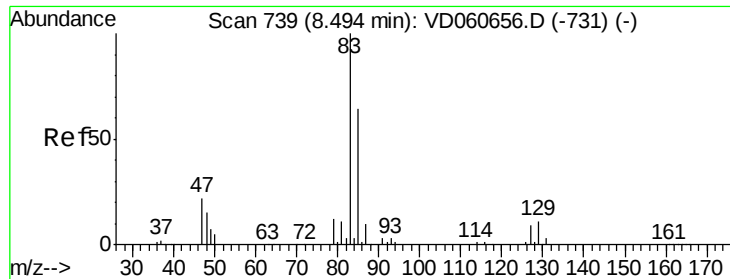
MMDadoda
 12/26/2018 11:04:16 AM



#46
 Dibromomethane
 Concen: 19.142 ug/l
 RT: 8.24 min Scan# 713
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 93 Resp: 146173
 Ion Ratio Lower Upper
 93 100
 95 79.7 68.8 103.2
 174 104.7 93.0 139.4





#47

Bromodichloromethane

Concen: 18.704 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

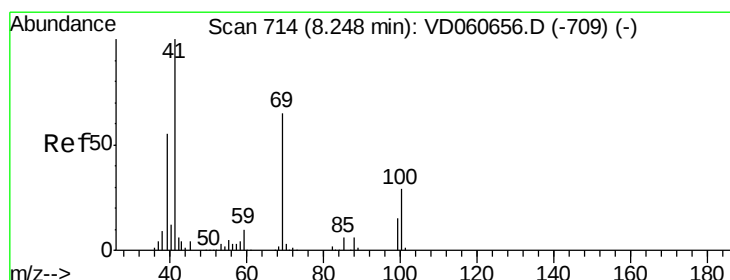
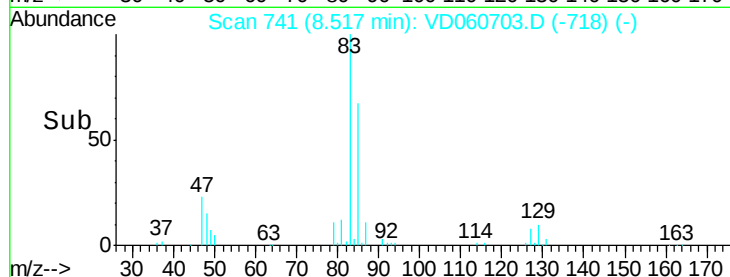
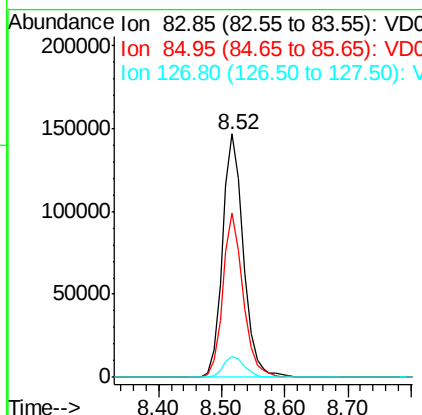
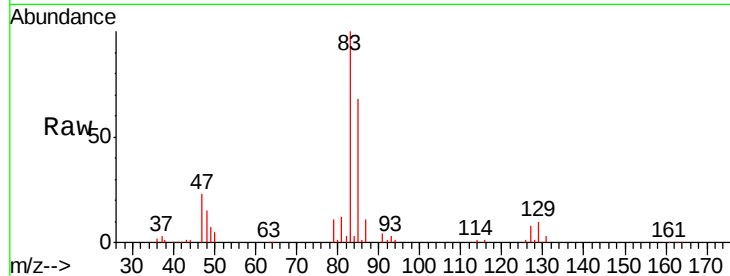
ClientSampleId :

VD1222SBS01

Tgt Ion:	83	Resp:	338287
Ion Ratio	Lower	Upper	
83	100		
85	67.5	51.1	76.7
127	8.4	7.0	10.6

Manual Integrations
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MMDadoda
12/26/2018 11:04:16 AM



#48

Methyl methacrylate

Concen: 18.234 ug/l

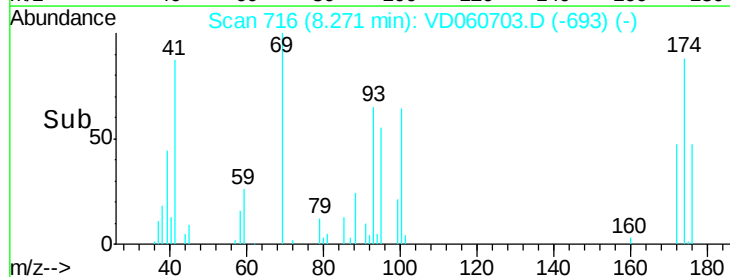
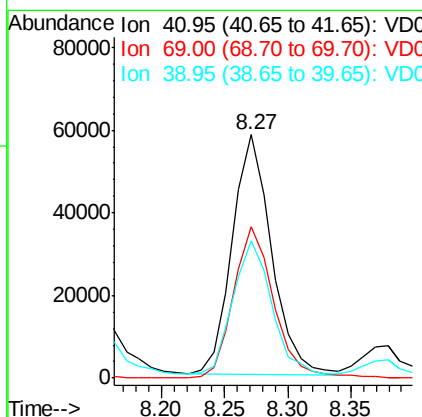
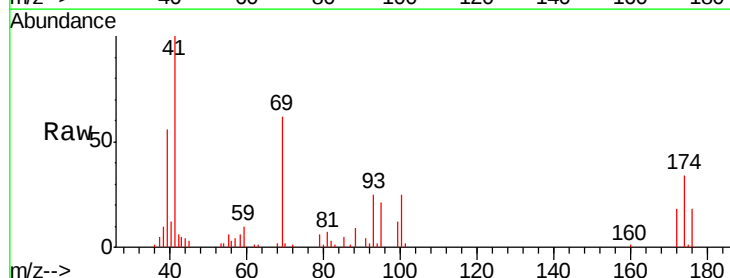
RT: 8.27 min Scan# 716

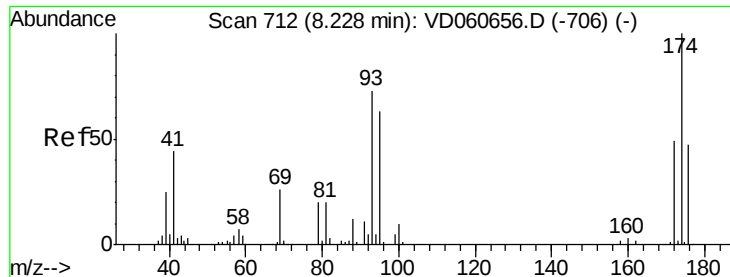
Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion:	41	Resp:	125544
Ion Ratio	Lower	Upper	
41	100		
69	62.4	51.2	76.8
39	56.4	44.6	67.0





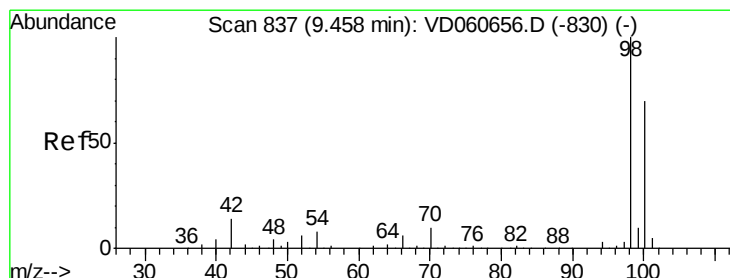
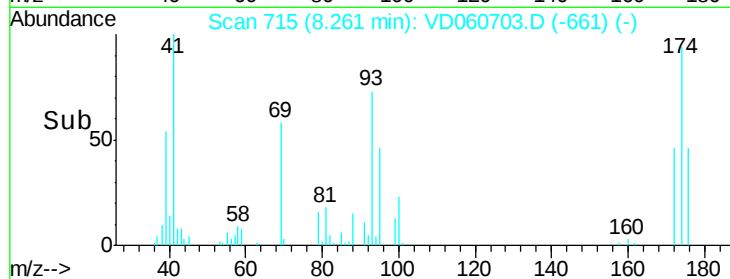
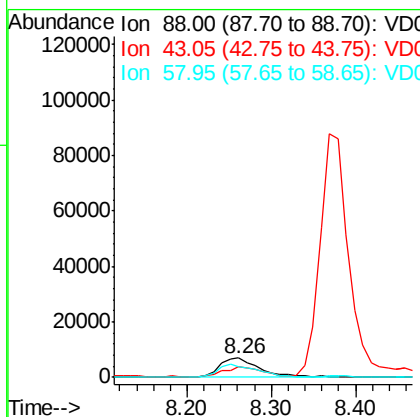
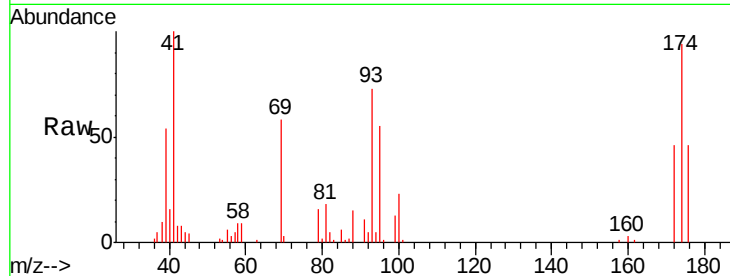
#49
1,4-Dioxane
Concen: 362.232 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	23189		
43	52.8	31.5	47.3#	
58	57.8	50.6	76.0	

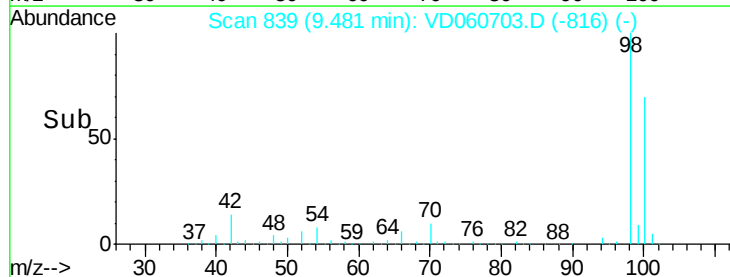
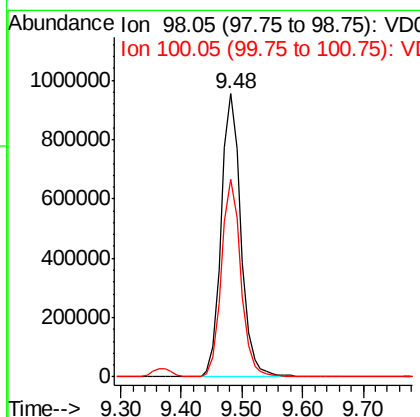
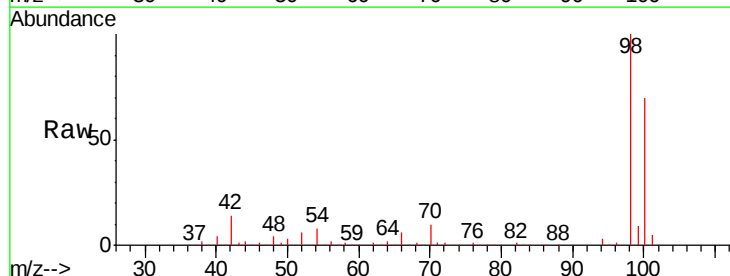
Manual Integrations
APPROVED

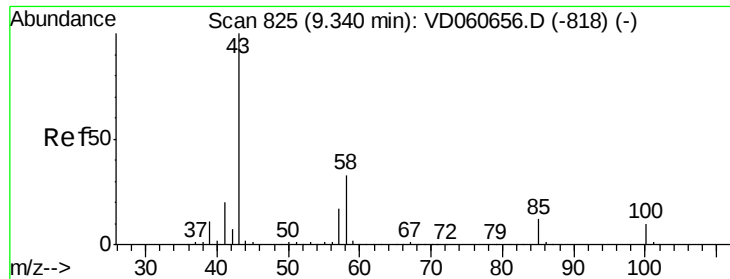
MMDadoda
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#50
Toluene-d8
Concen: 362.232 ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2159388		
100	69.8	55.8	83.8	





#51

4-Methyl-2-Pentanone

Concen: 93.738 ug/l

RT: 9.36 min Scan# 827

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 43 Resp: 651038

Ion Ratio Lower Upper

43 100

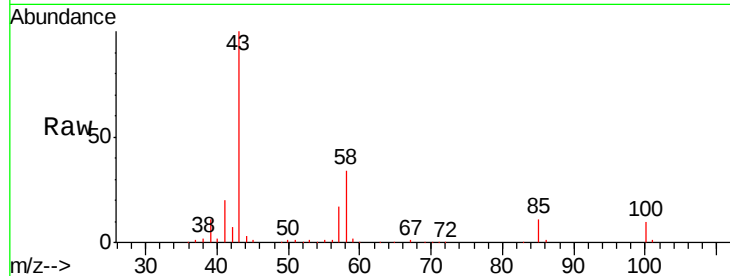
58 33.7 26.3 39.5

Manual Integrations

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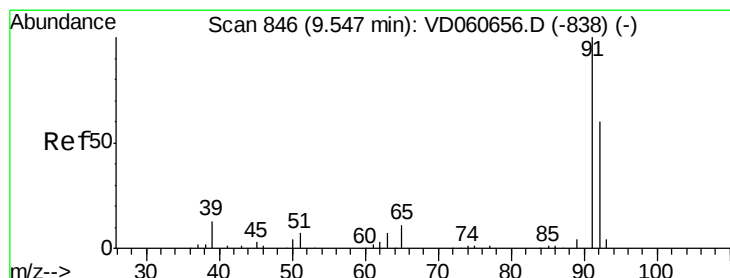
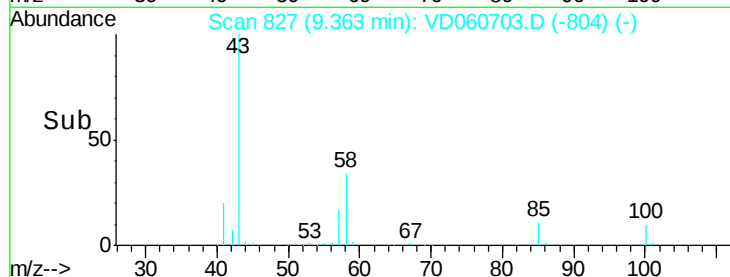
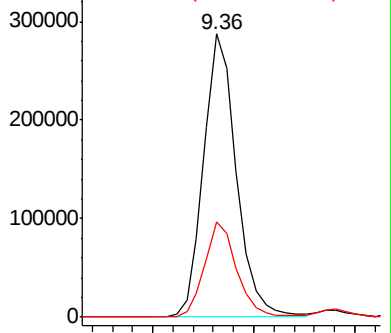
MMDadoda

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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: 18.309 ug/l

RT: 9.57 min Scan# 848

Delta R.T. 0.02 min

Lab File: VD060703.D

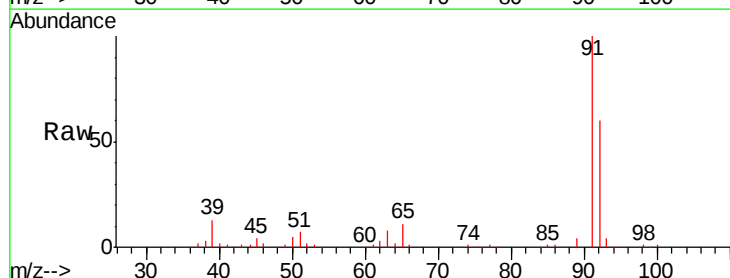
Acq: 22 Dec 2018 12:38

Tgt Ion: 92 Resp: 626204

Ion Ratio Lower Upper

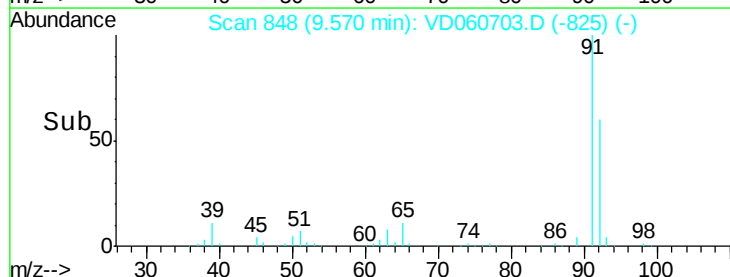
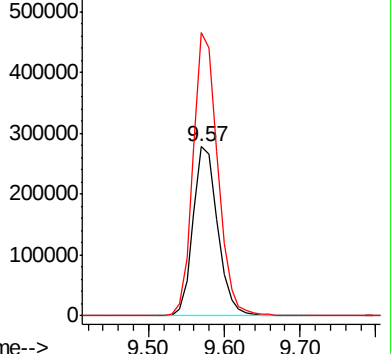
92 100

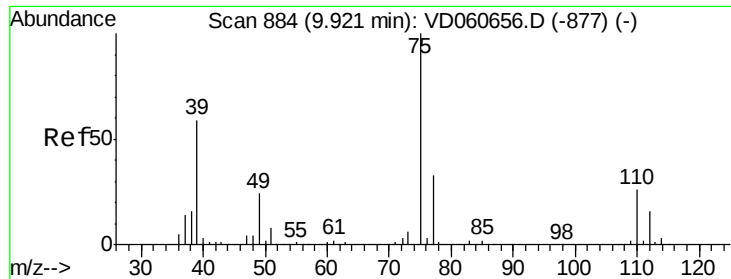
91 167.5 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





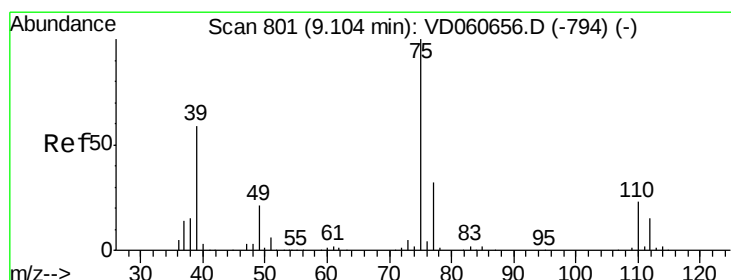
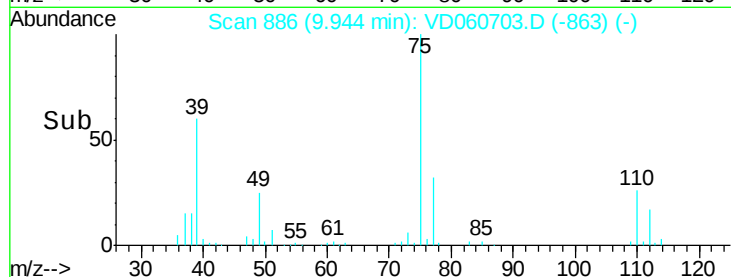
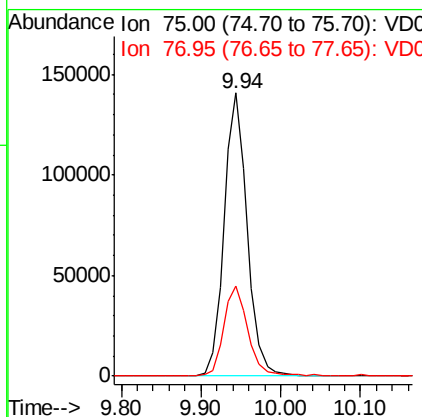
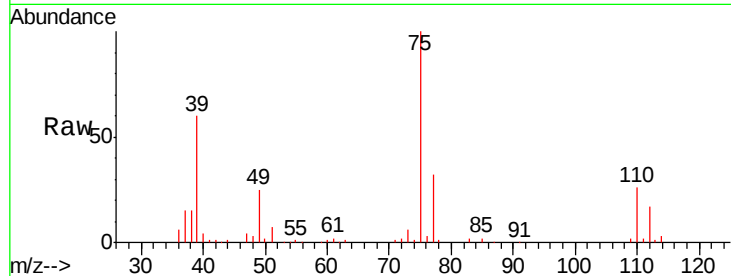
#53
t-1,3-Dichloropropene
Concen: 18.931 ug/l
RT: 9.94 min Scan# 886
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 75 Resp: 285654
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0

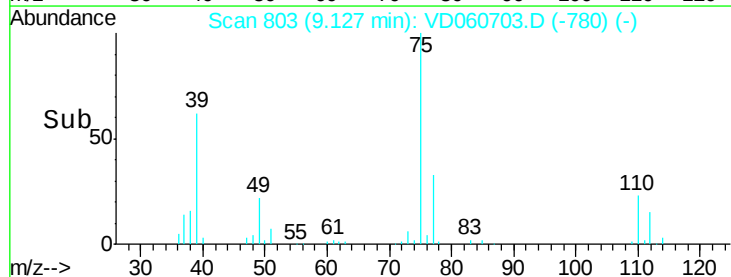
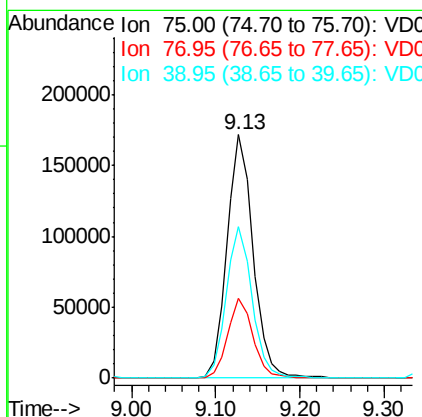
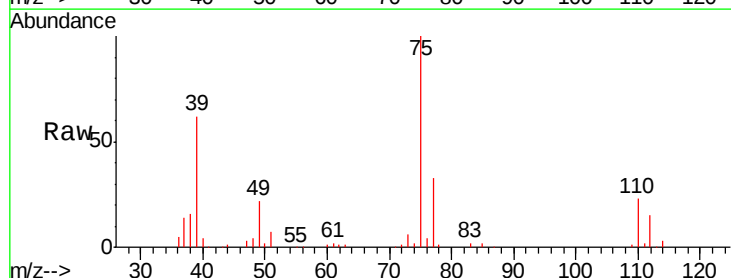
Manual Integrations
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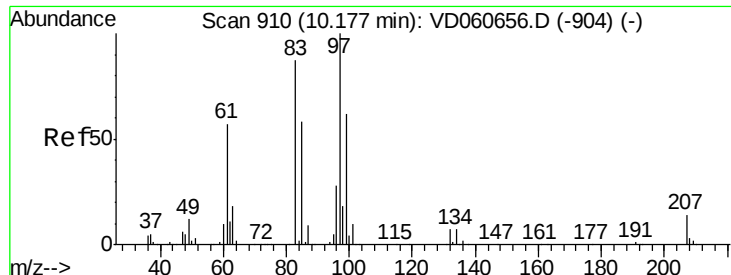
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 9.13 min Scan# 803
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 75 Resp: 369284
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2
39 62.3 47.0 70.4





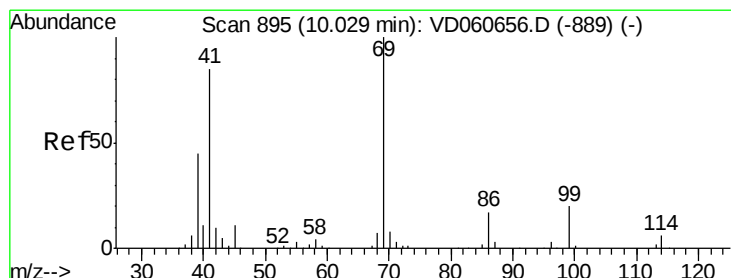
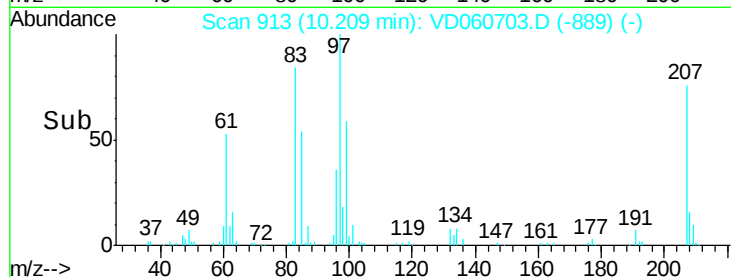
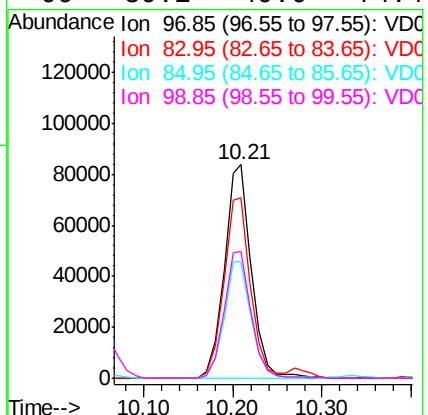
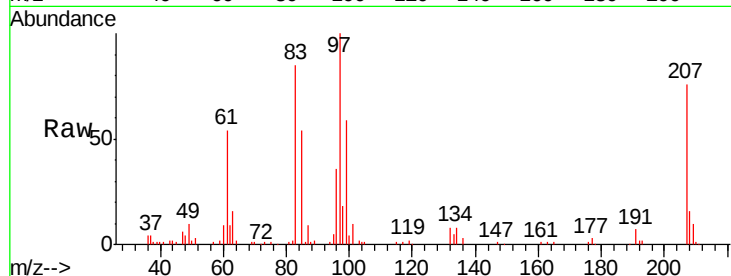
#55
 1,1,2-Trichloroethane
 Concen: 19.318 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.03 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.0	105.0
85	54.4	46.6	70.0
99	59.1	49.6	74.4

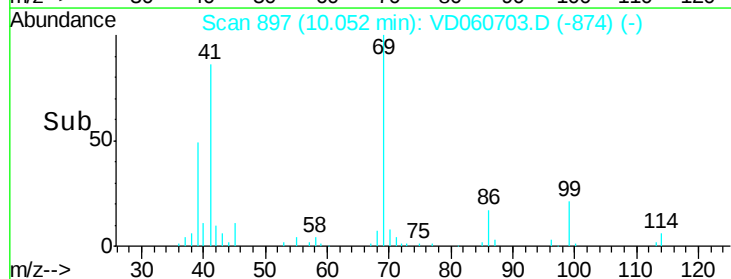
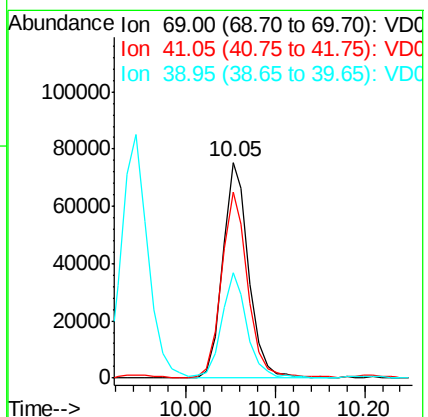
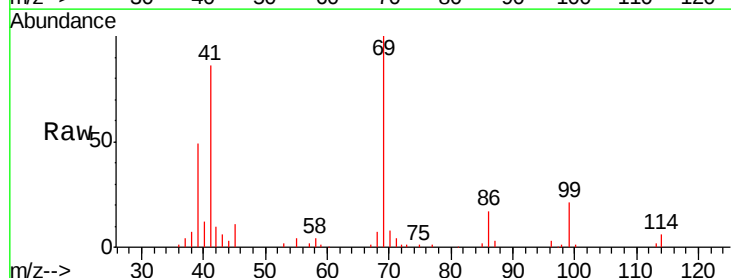
Manual Integrations
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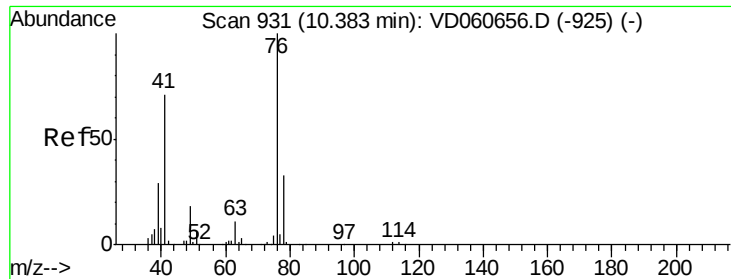
MMDadoda
 12/26/2018 11:04:16 AM



#56
 Ethyl methacrylate
 Concen: 17.947 ug/l
 RT: 10.05 min Scan# 897
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	86.0	68.3	102.5
39	49.0	37.2	55.8





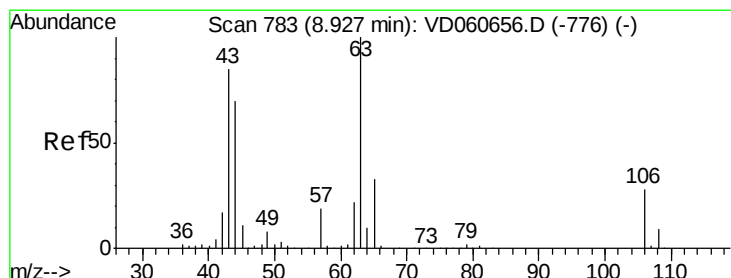
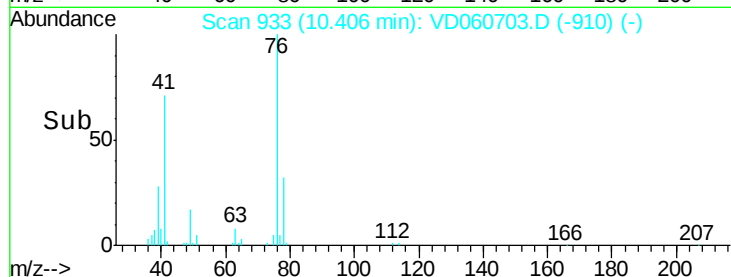
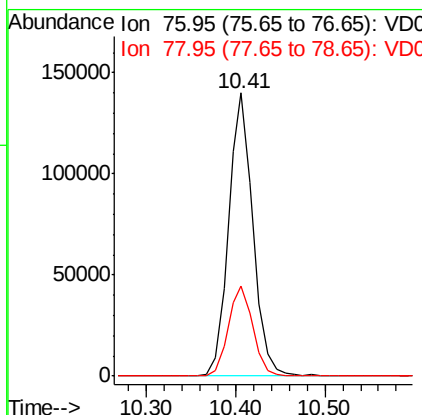
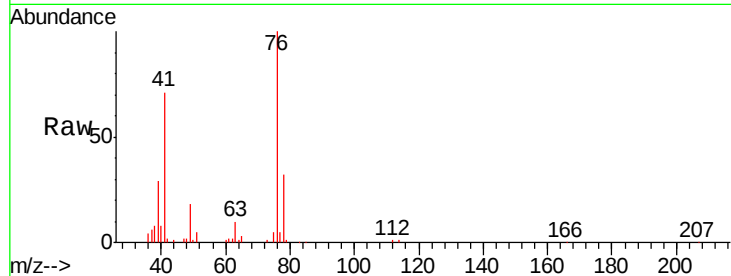
#57
 1,3-Dichloropropane
 Concen: 18.377 ug/l
 RT: 10.41 min Scan# 933
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 76 Resp: 268061
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1

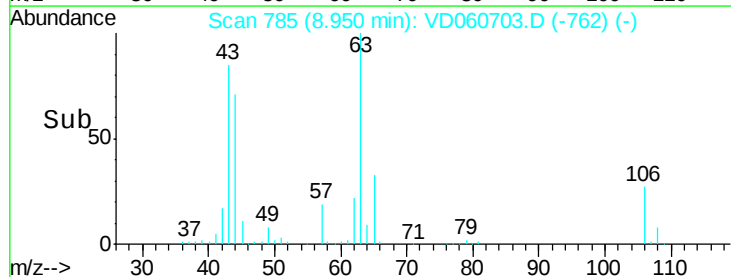
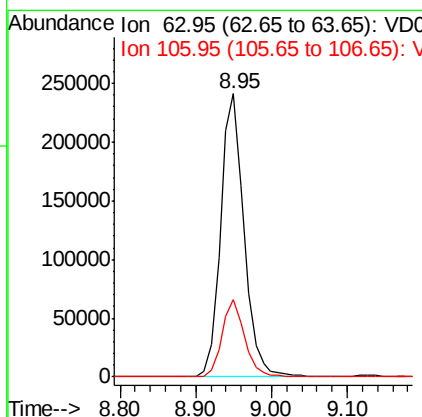
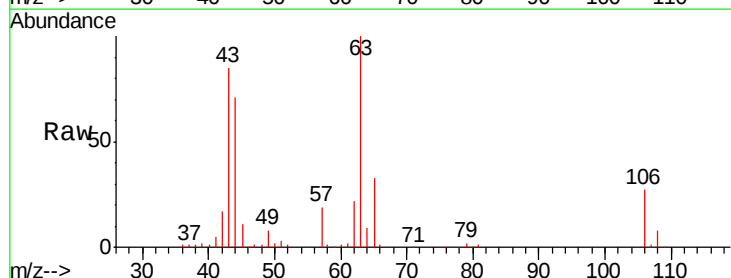
Manual Integrations
 APPROVED

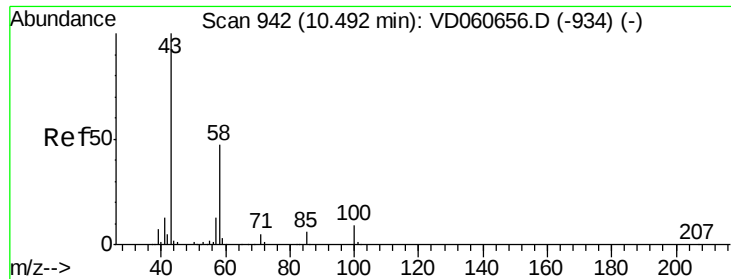
MMDadoda
 12/26/2018 11:04:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.396 ug/l
 RT: 8.95 min Scan# 785
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 63 Resp: 515707
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.4 33.6





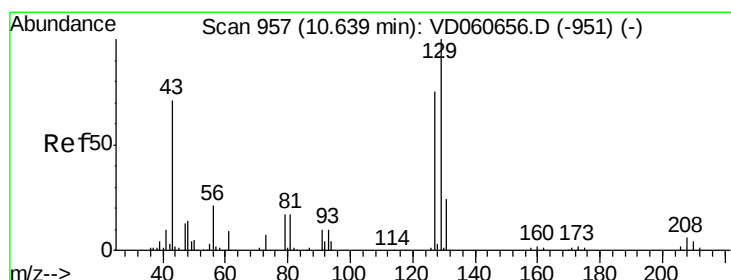
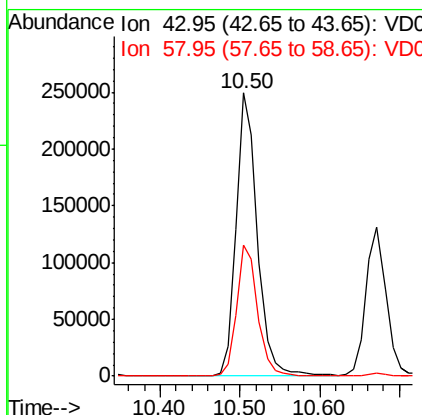
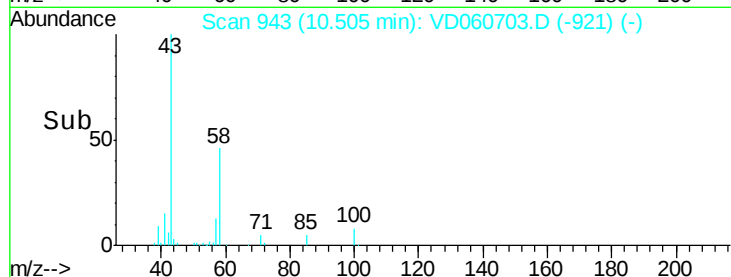
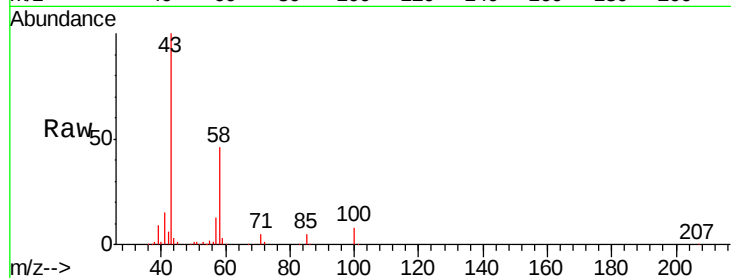
#59
2-Hexanone
Concen: 95.334 ug/l
RT: 10.50 min Scan# 943
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 43 Resp: 463459
Ion Ratio Lower Upper
43 100
58 46.2 23.5 70.5

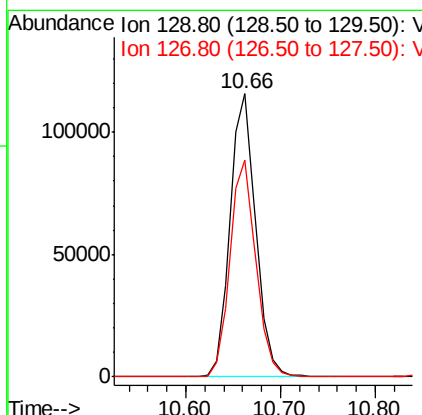
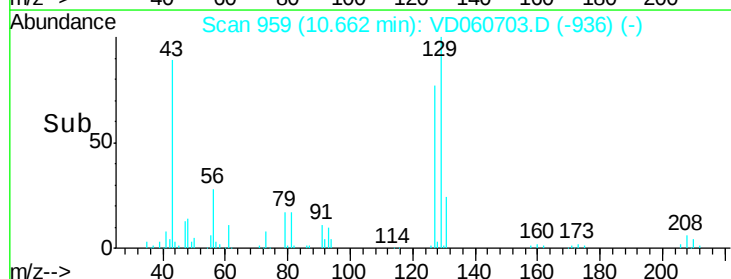
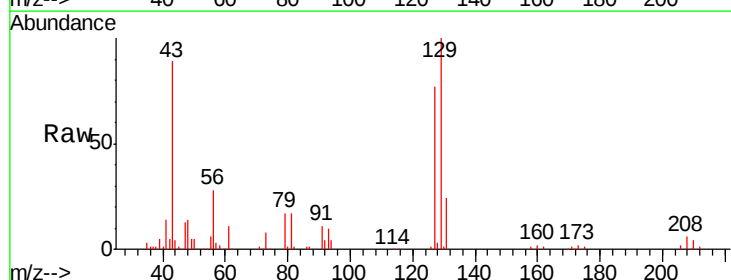
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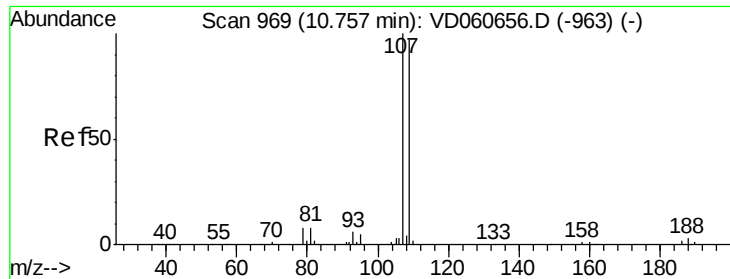
MMDadoda
12/26/2018 11:04:16 AM



#60
Dibromochloromethane
Concen: 18.512 ug/l
RT: 10.66 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 129 Resp: 216998
Ion Ratio Lower Upper
129 100
127 76.6 37.6 112.9





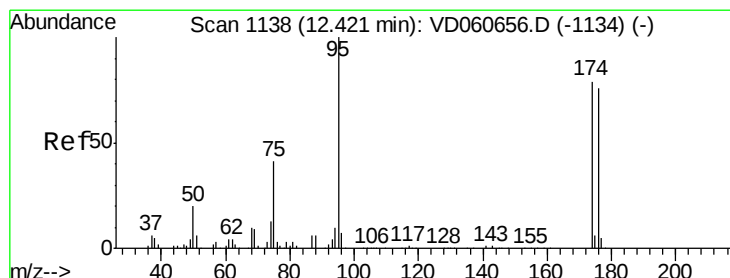
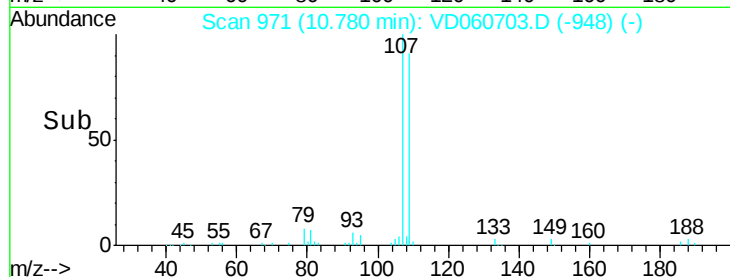
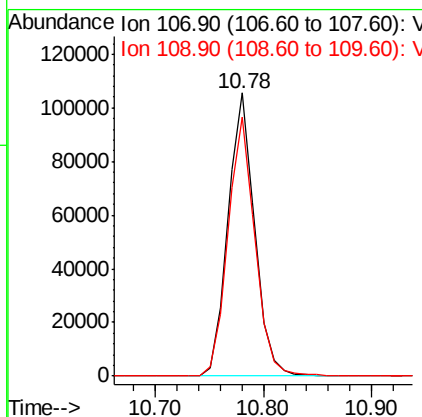
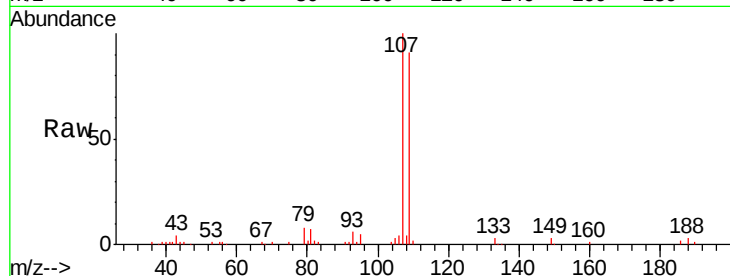
#61
 1,2-Dibromoethane
 Concen: 18.895 ug/l
 RT: 10.78 min Scan# 971
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

Tgt Ion: 107 Resp: 180356
 Ion Ratio Lower Upper
 107 100
 109 91.3 78.0 117.0

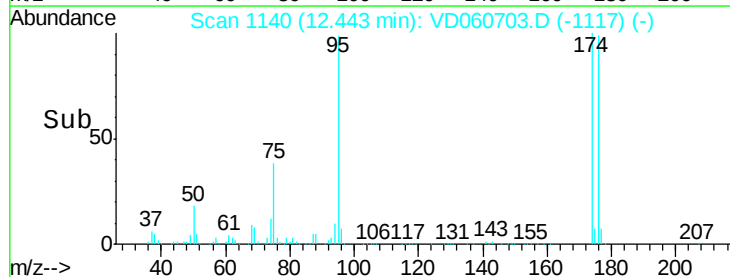
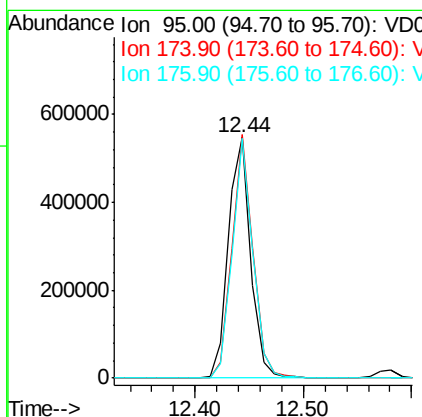
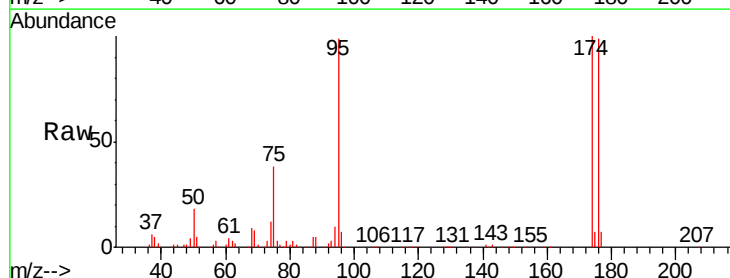
Manual Integrations
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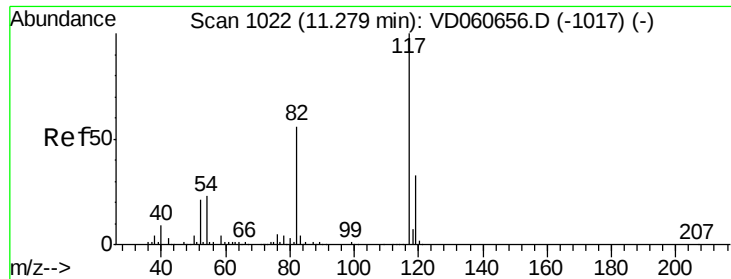
MMDadoda
 12/26/2018 11:04:16 AM



#62
 4-Bromofluorobenzene
 Concen: 18.895 ug/l
 RT: 12.44 min Scan# 1140
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 95 Resp: 785088
 Ion Ratio Lower Upper
 95 100
 174 101.2 0.0 158.2
 176 99.7 0.0 152.4





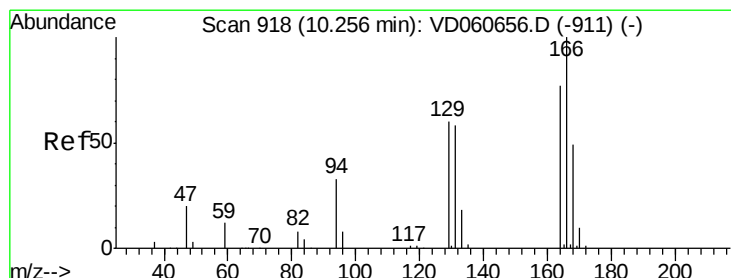
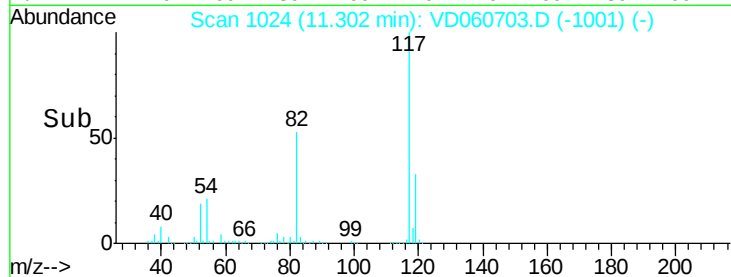
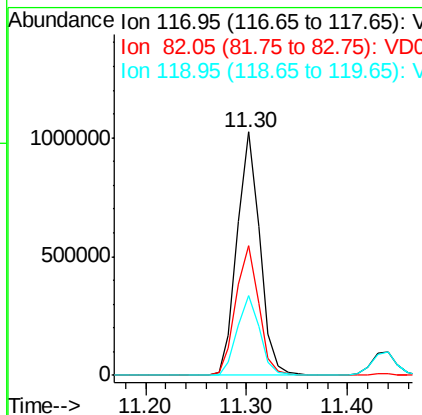
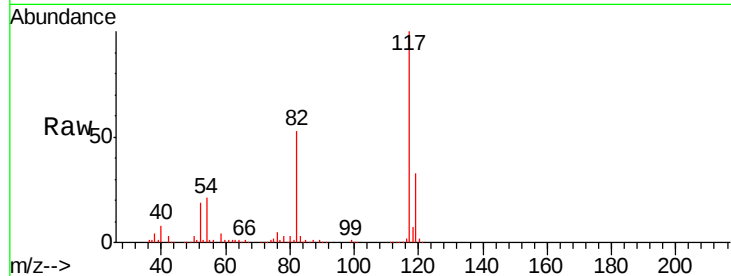
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Tgt Ion:117 Resp: 1612407
Ion Ratio Lower Upper
117 100
82 53.5 44.5 66.7
119 32.9 26.3 39.5

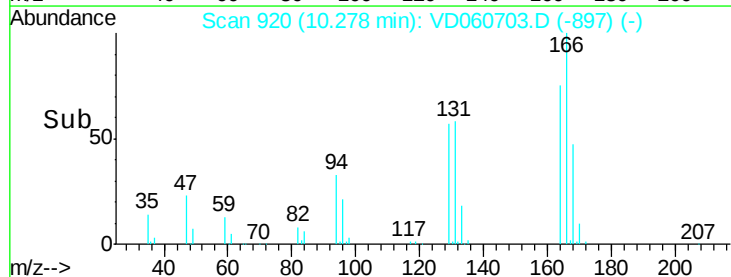
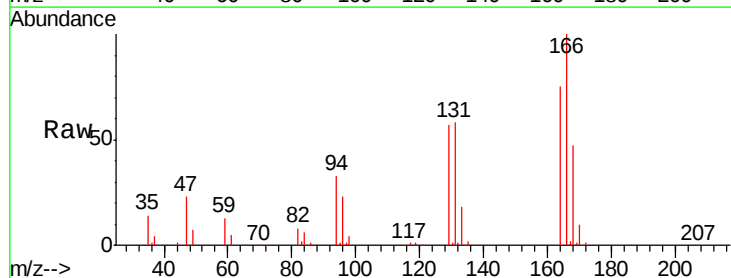
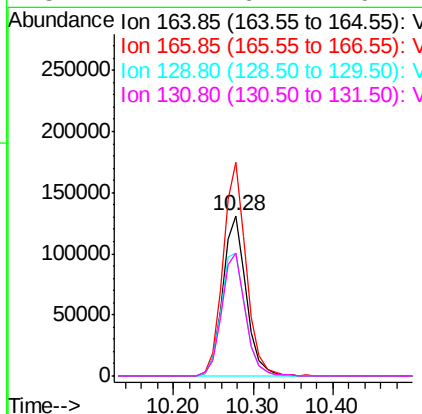
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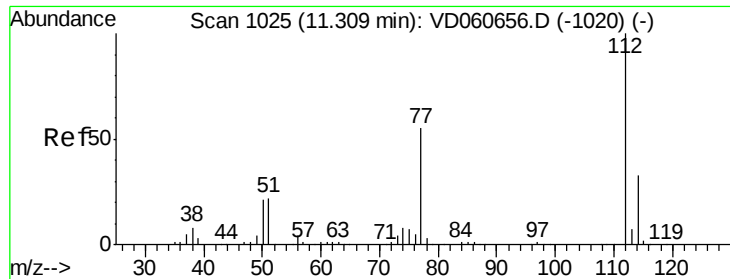
MMDadoda
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#64
Tetrachloroethene
Concen: 18.463 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:164 Resp: 269817
Ion Ratio Lower Upper
164 100
166 133.4 104.4 156.6
129 76.4 62.7 94.1
131 77.1 61.1 91.7





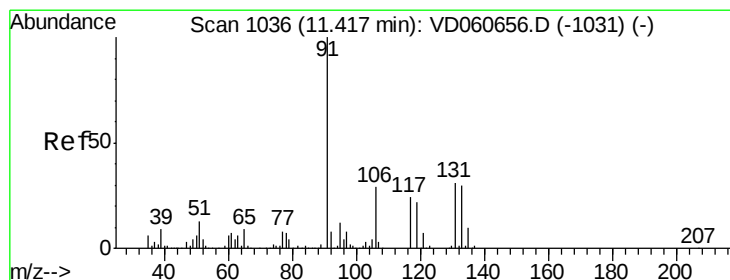
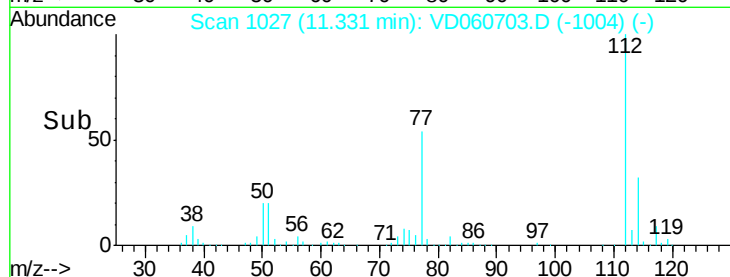
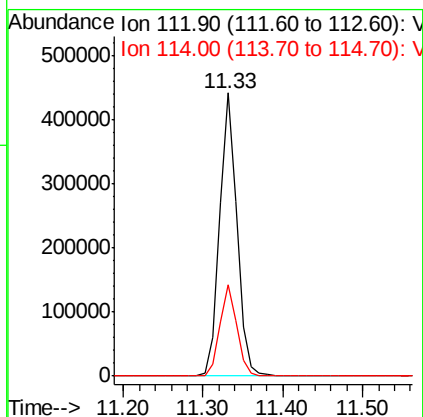
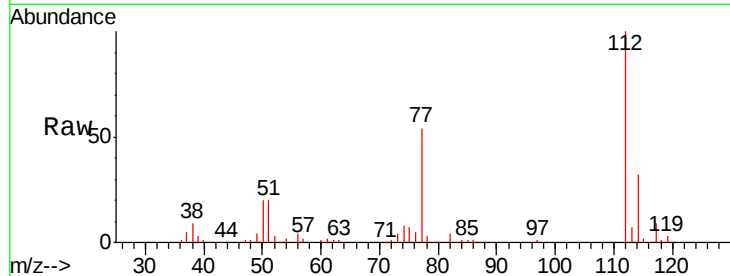
#65
Chlorobenzene
Concen: 19.144 ug/l
RT: 11.33 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion:112 Resp: 681988
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1

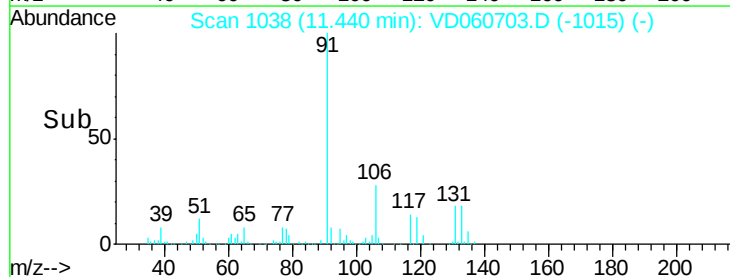
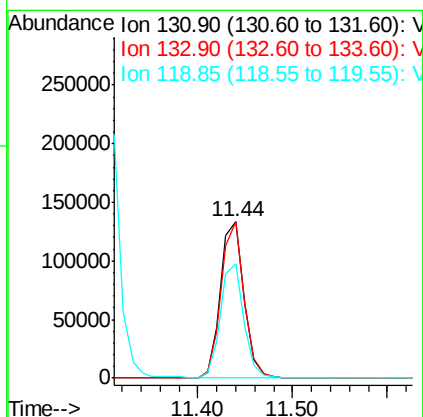
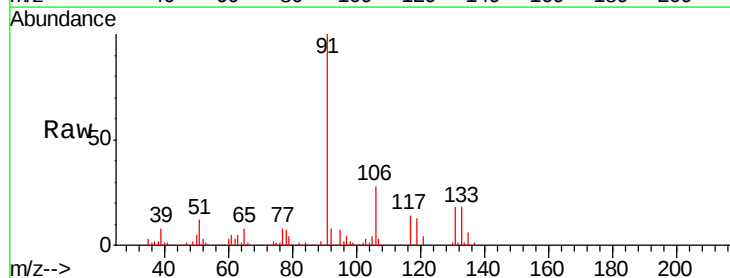
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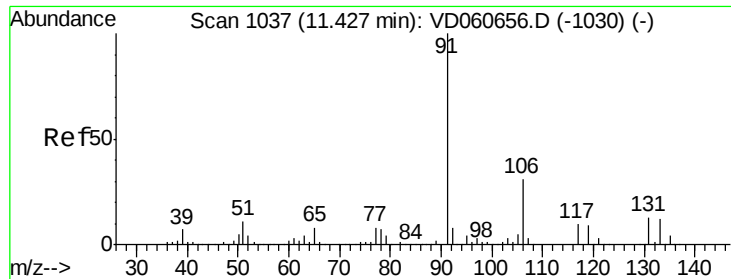
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.019 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:131 Resp: 229298
Ion Ratio Lower Upper
131 100
133 100.2 49.1 147.3
119 72.9 36.6 109.8





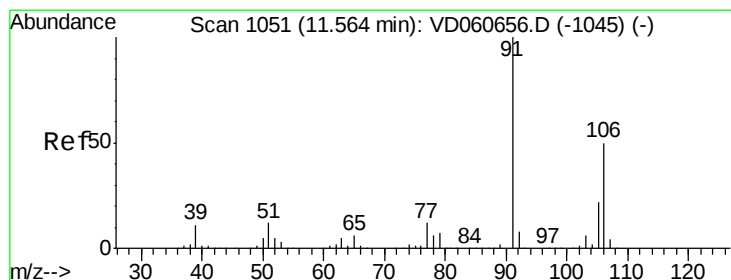
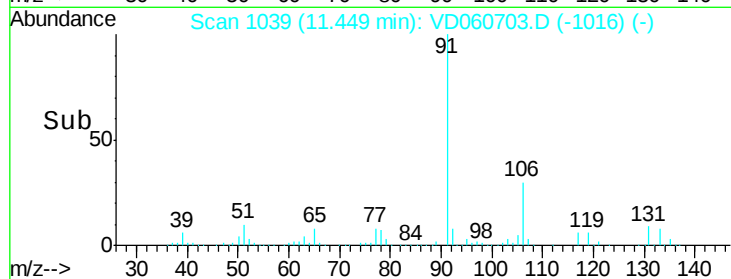
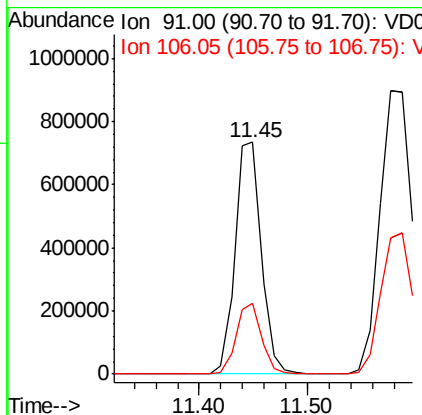
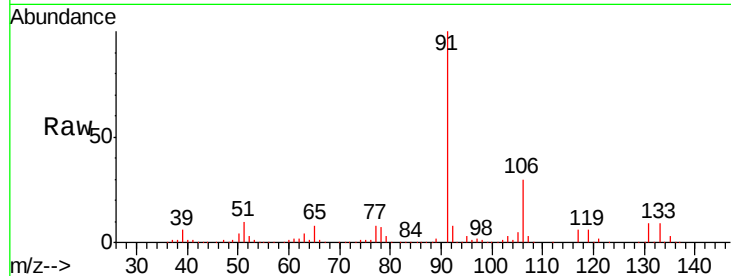
#67
Ethyl Benzene
Concen: 20.409 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 91 Resp: 1245126
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

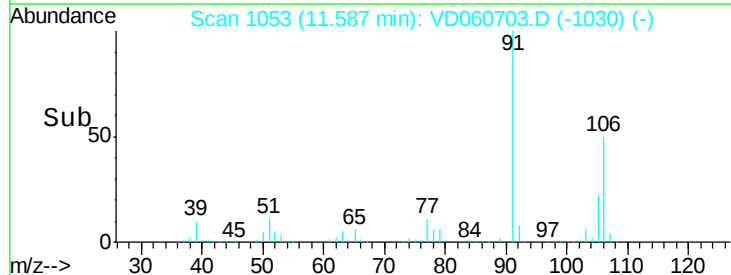
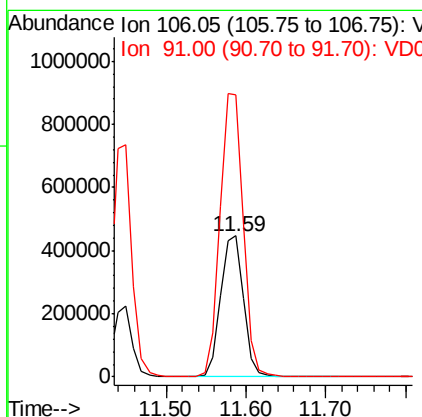
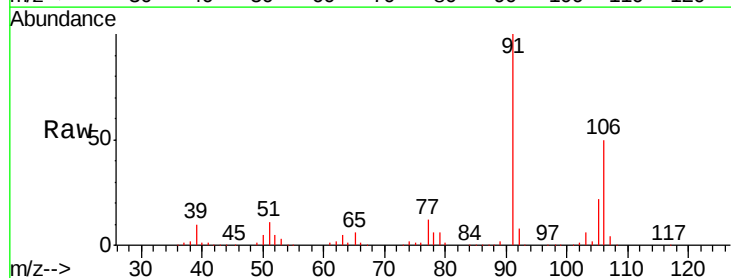
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#68
m/p-Xylenes
Concen: 40.755 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 106 Resp: 908689
Ion Ratio Lower Upper
106 100
91 200.2 158.9 238.3





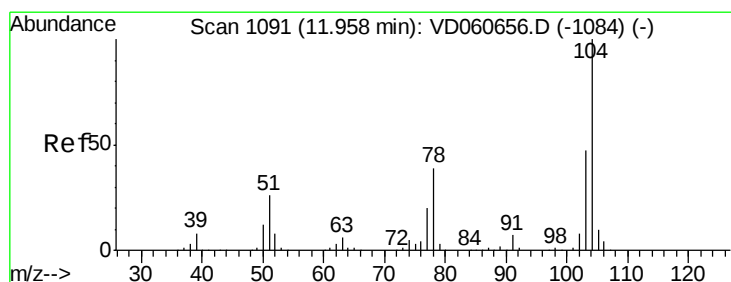
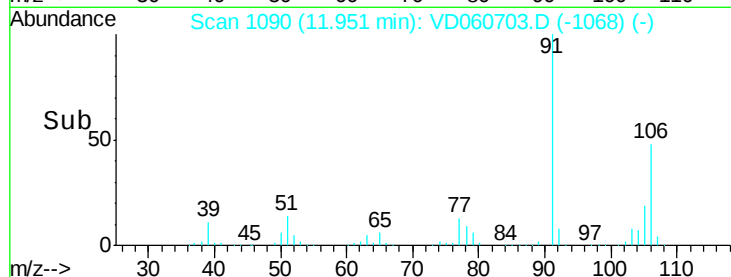
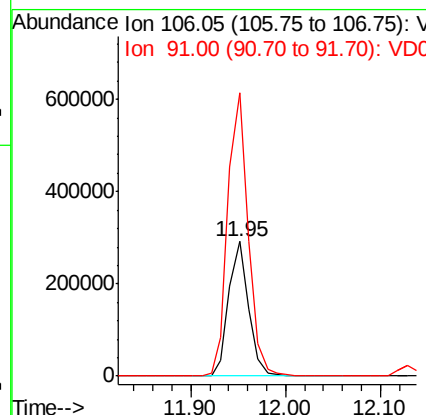
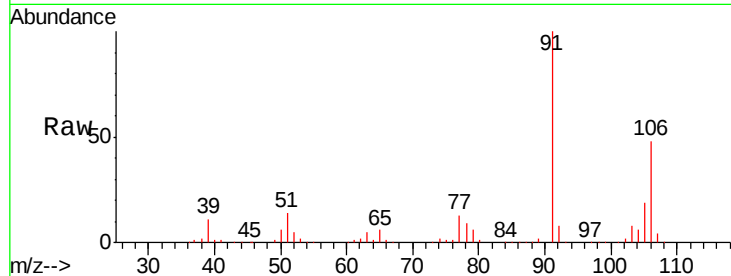
#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion:106 Resp: 427526
Ion Ratio Lower Upper
106 100
91 210.1 101.5 304.5

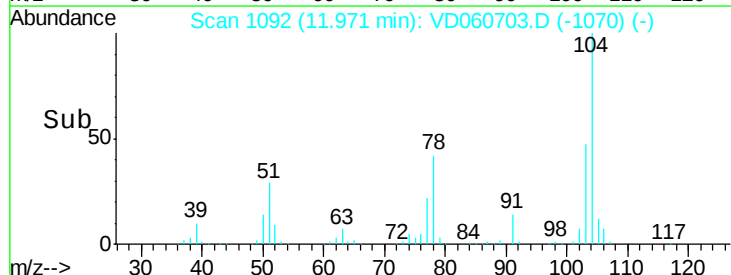
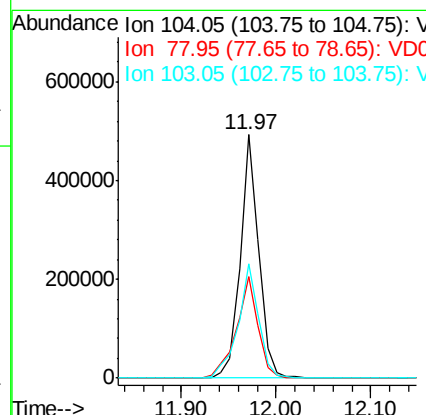
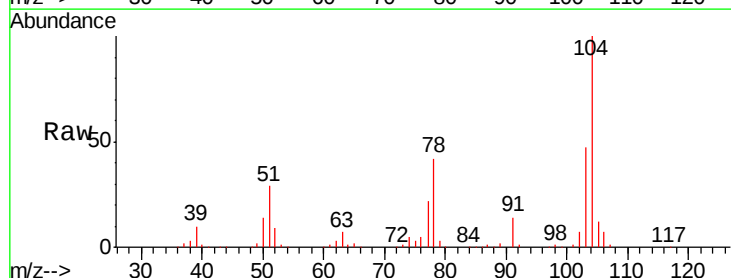
Manual Integrations
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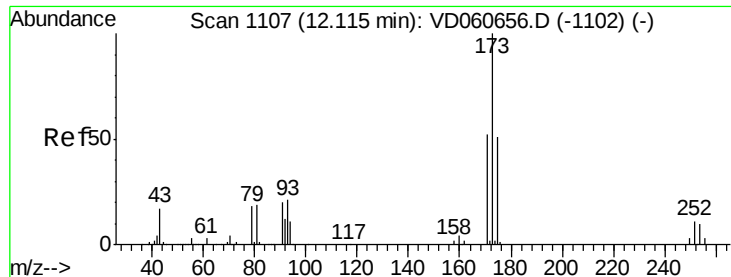
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#70
Styrene
Concen: 19.635 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:104 Resp: 668952
Ion Ratio Lower Upper
104 100
78 41.6 31.4 47.2
103 47.2 37.5 56.3





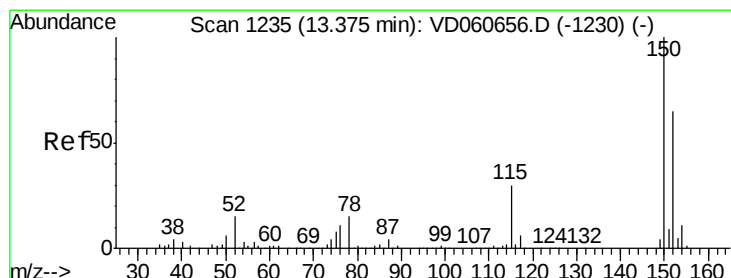
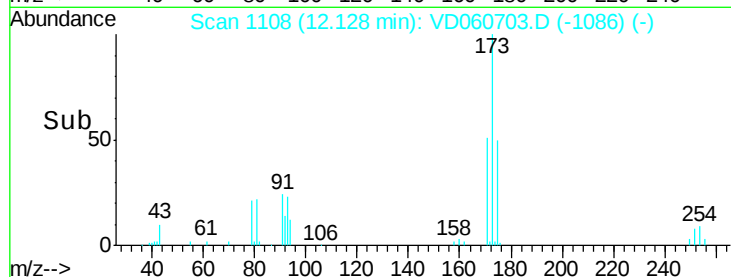
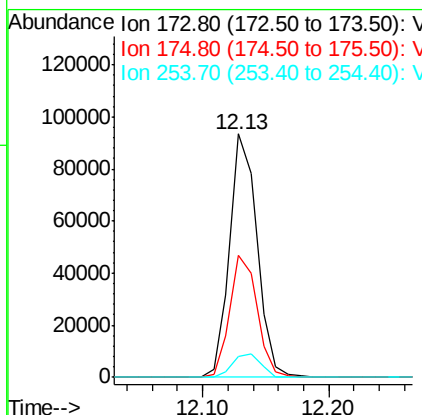
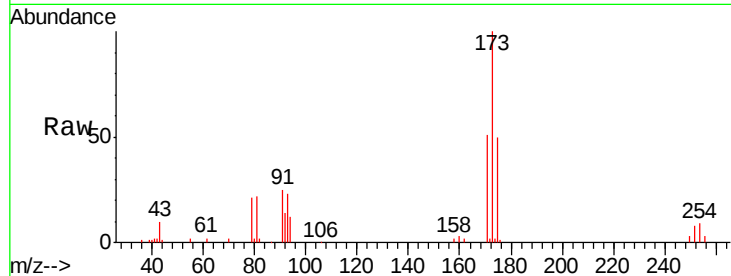
#71
Bromoform
Concen: 18.479 ug/l
RT: 12.13 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.5	76.5
254	8.6	7.9	11.9

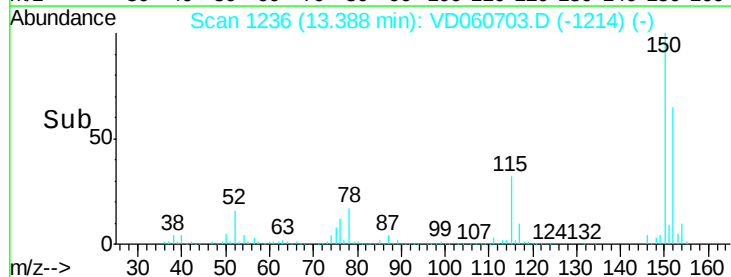
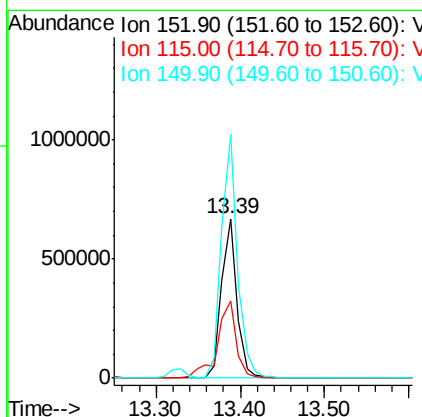
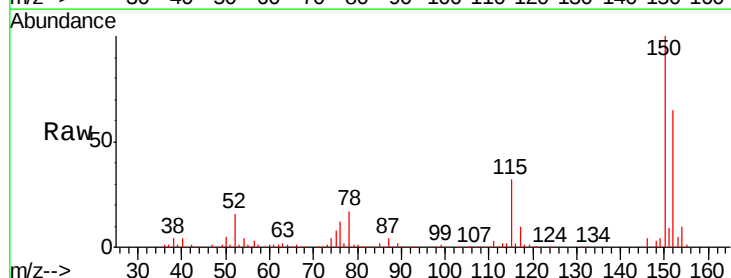
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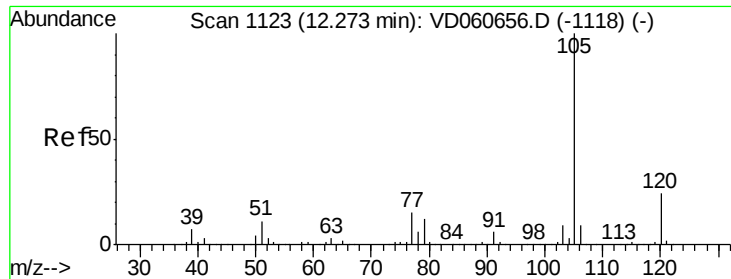
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.3	24.1	72.3
150	152.7	0.0	315.0





#73

Isopropylbenzene

Concen: 19.744 ug/l

RT: 12.30 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 105 Resp: 1191860

Ion Ratio Lower Upper

105 100

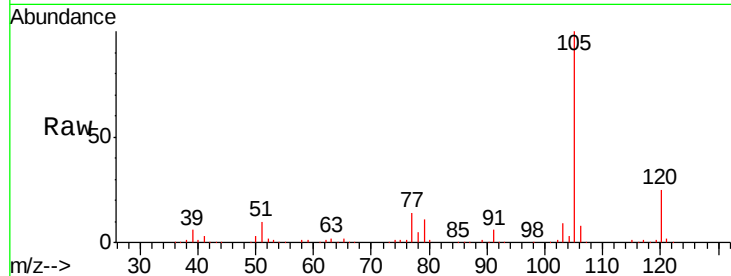
120 24.7 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

200000

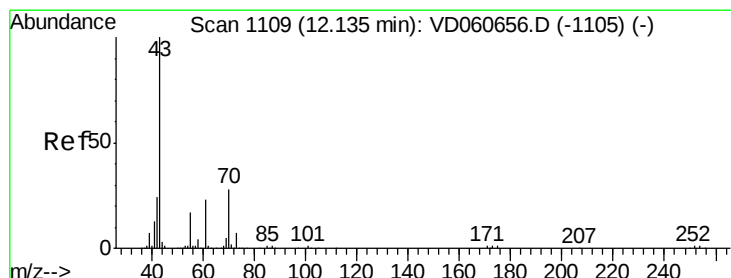
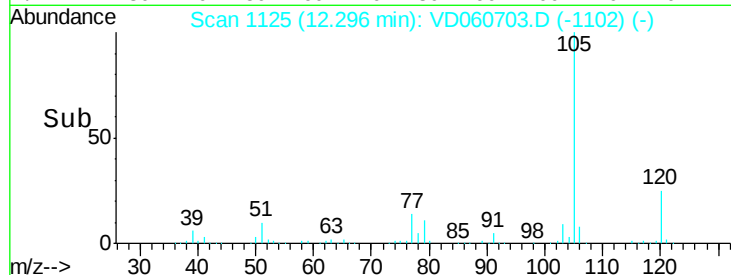
0

12.20

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 18.991 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion: 43 Resp: 270565

Ion Ratio Lower Upper

43 100

70 26.9 22.2 33.2

55 17.1 13.8 20.8

61 23.1 18.2 27.2

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

200000

100000

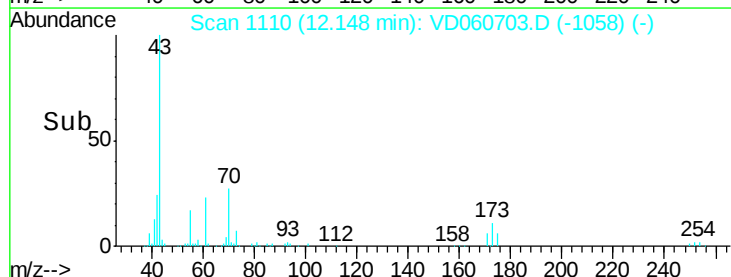
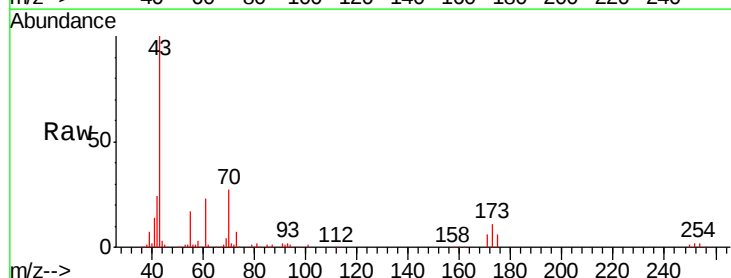
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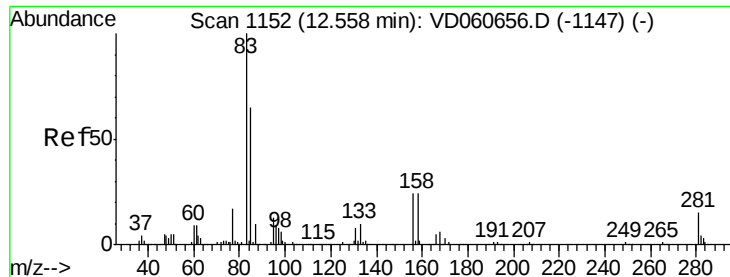
12.10

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.401 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

Tgt Ion: 83 Resp: 189829
Ion Ratio Lower Upper

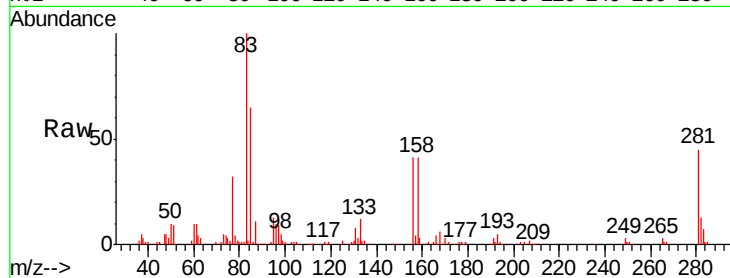
83 100

131 7.7 4.2 12.4

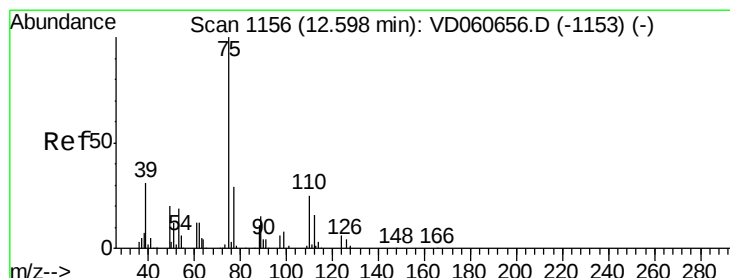
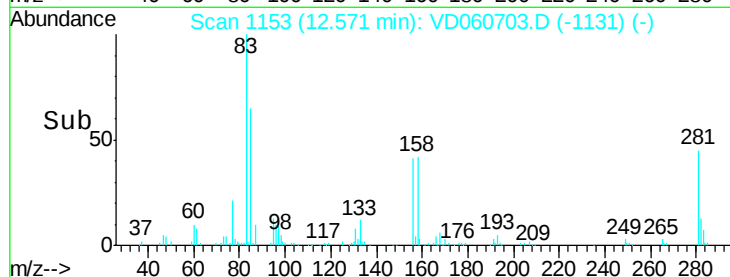
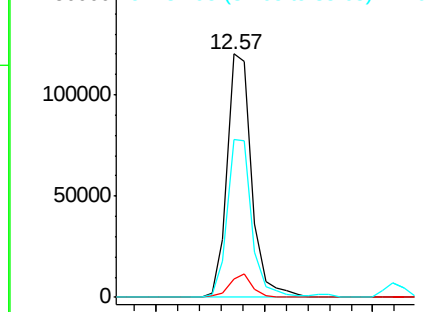
85 64.9 32.6 97.7

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.315 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.01 min

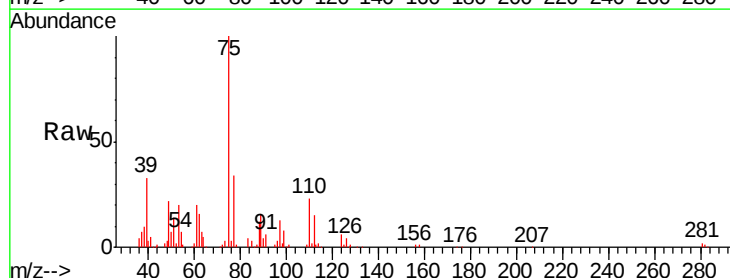
Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

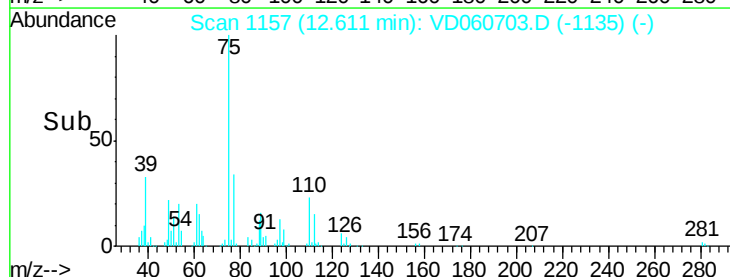
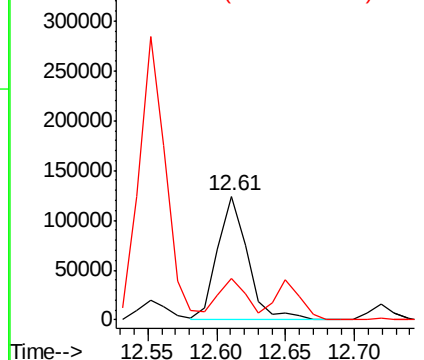
Tgt Ion: 75 Resp: 186436
Ion Ratio Lower Upper

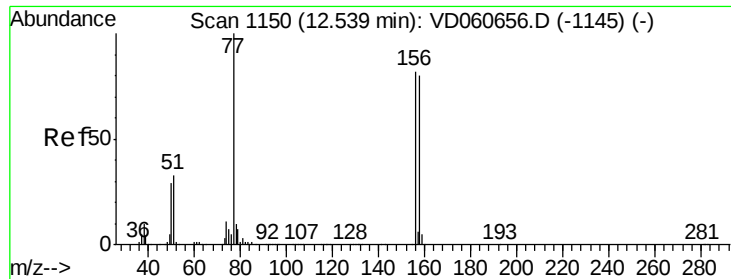
75 100

77 33.5 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





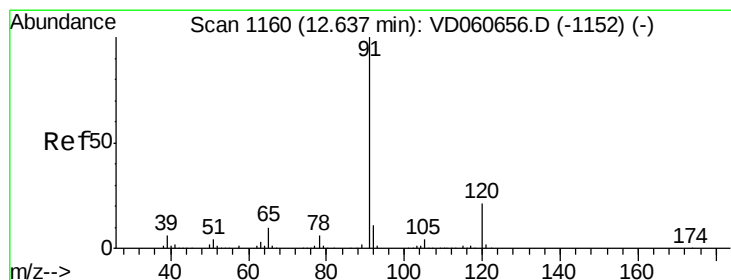
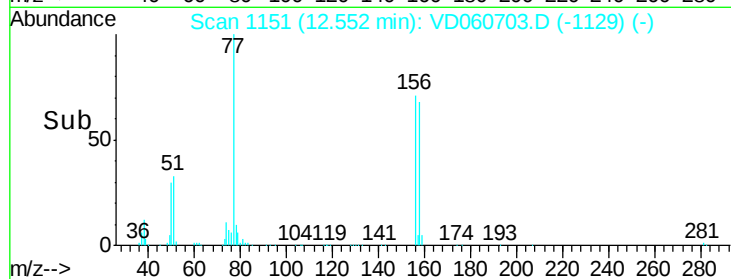
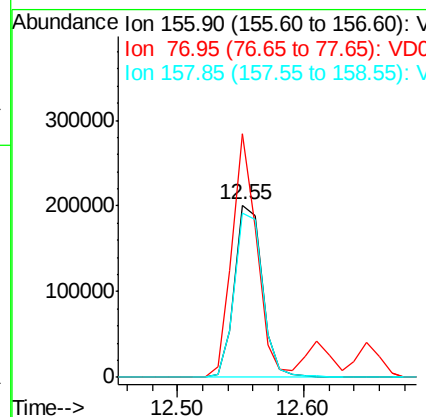
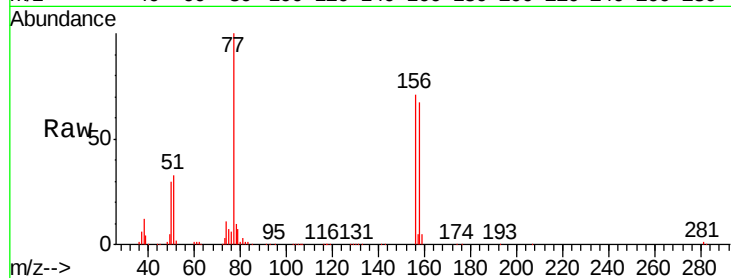
#77
Bromobenzene
Concen: 19.016 ug/l
RT: 12.55 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	141.4	61.3	183.9
158	95.4	48.9	146.6

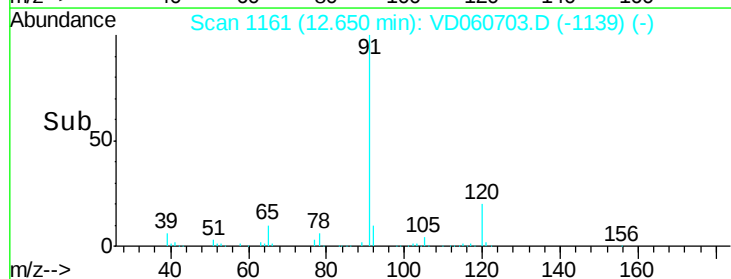
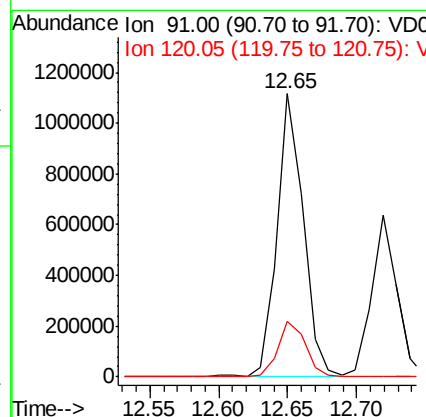
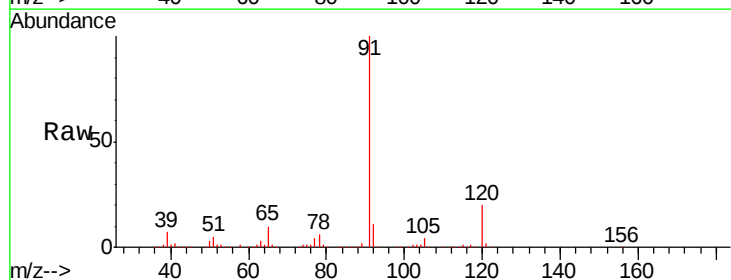
Manual Integrations
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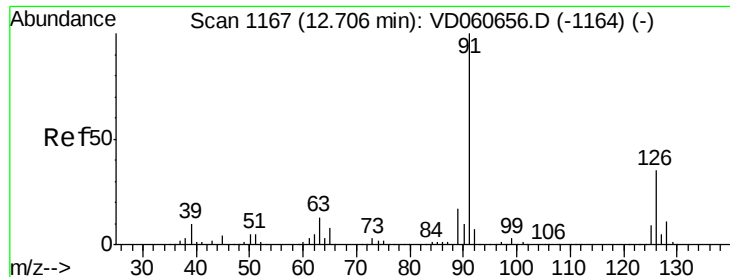
MMDadoda
12/26/2018 11:04:16 AM



#78
n-propylbenzene
Concen: 19.093 ug/l
RT: 12.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.4	31.2





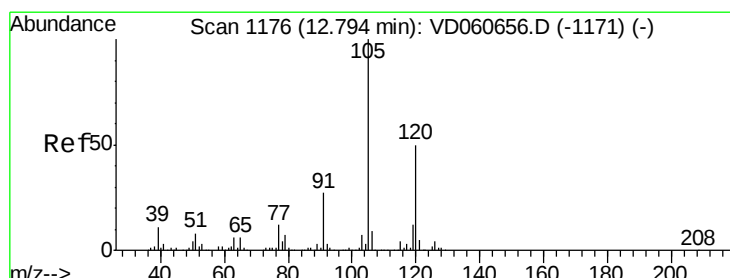
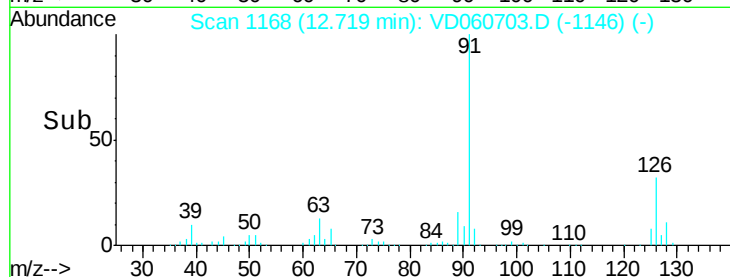
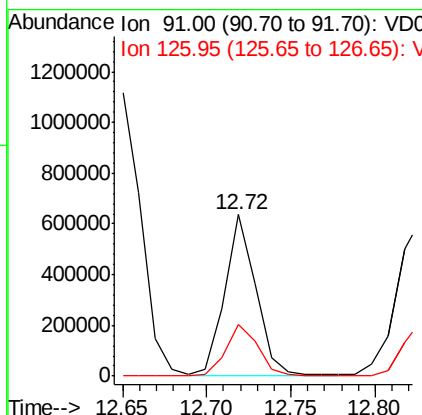
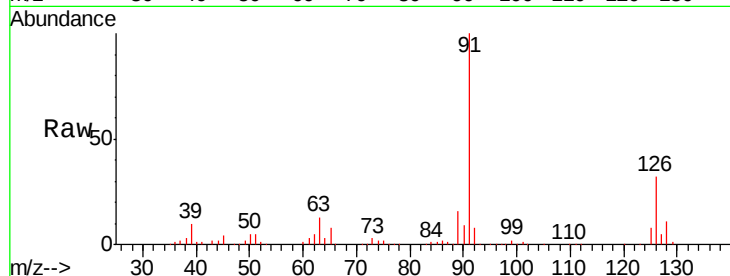
#79
 2-Chlorotoluene
 Concen: 19.503 ug/l
 RT: 12.72 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion: 91 Resp: 806133
 Ion Ratio Lower Upper
 91 100
 126 32.3 17.2 51.5

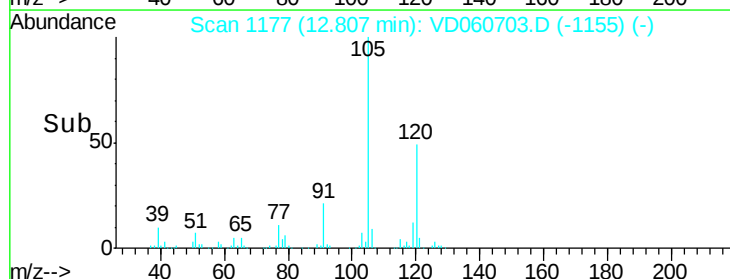
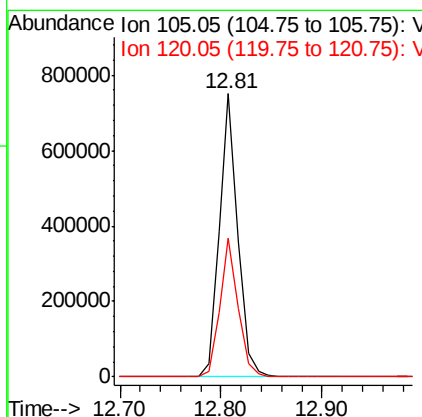
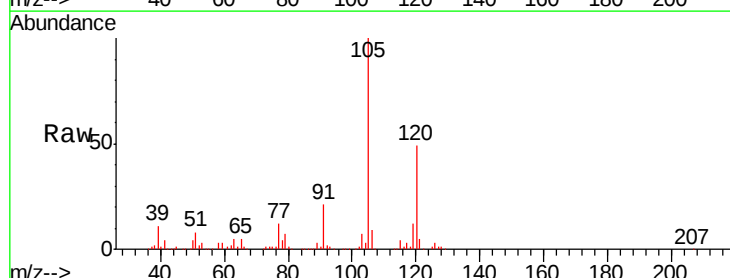
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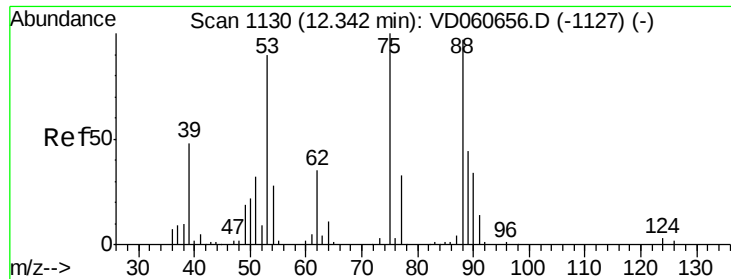
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 12/26/2018 11:04:16 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.474 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 105 Resp: 954346
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.4





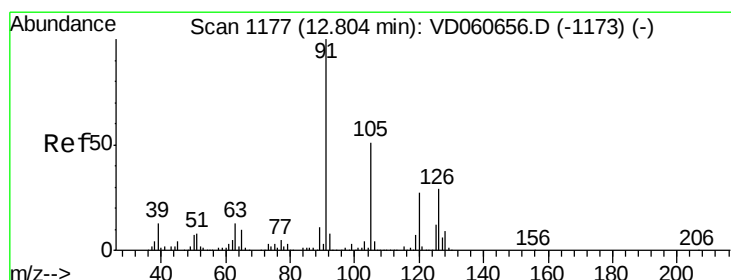
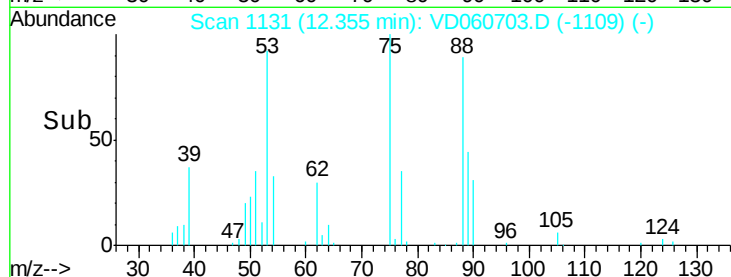
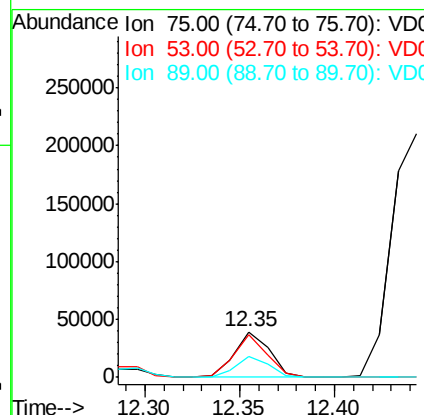
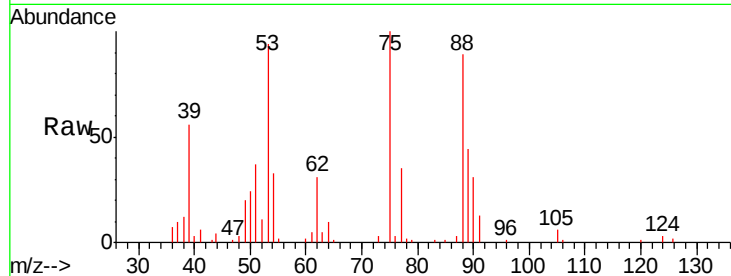
#81
trans-1,4-Dichloro-2-butene
Concen: 19.072 ug/l
RT: 12.35 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.1	72.1	108.1
89	44.4	35.1	52.7

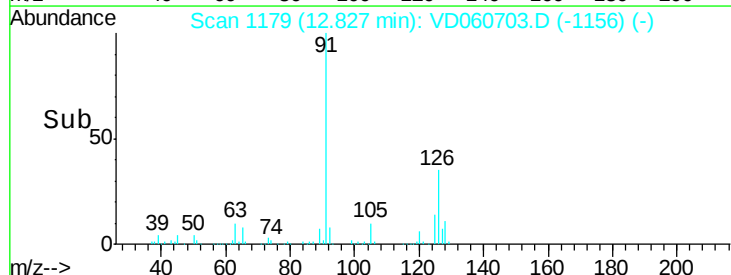
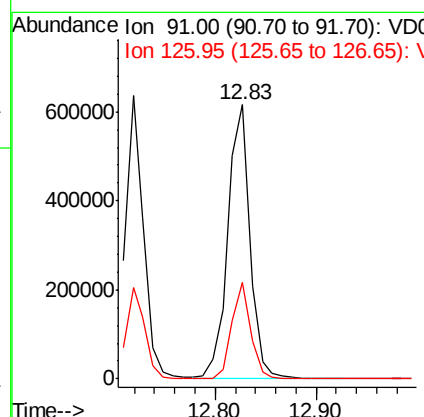
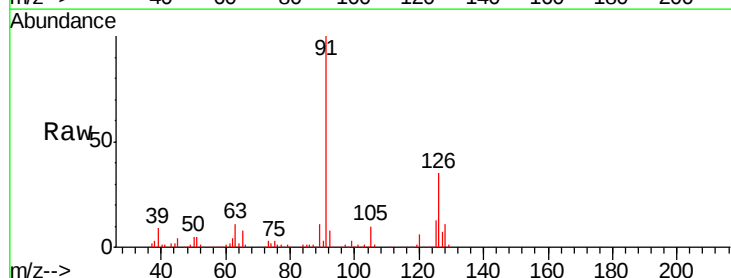
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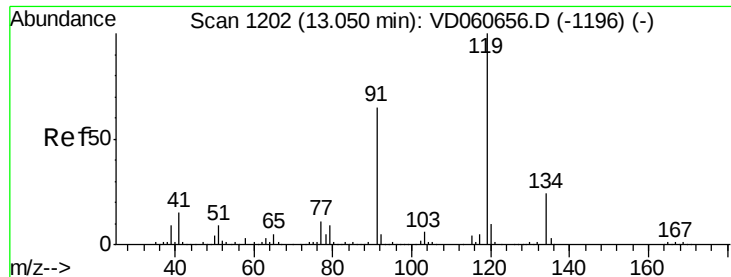
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#82
4-Chlorotoluene
Concen: 20.012 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	14.6	43.8





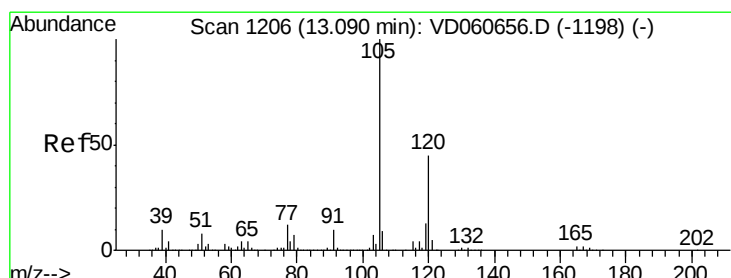
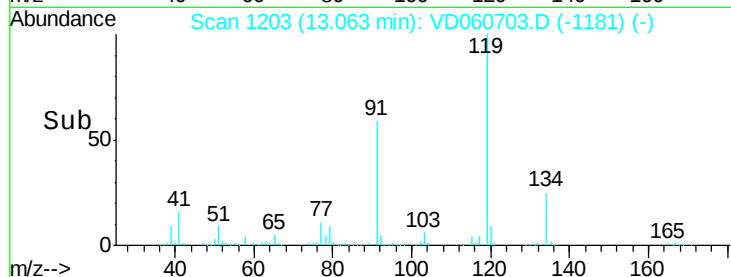
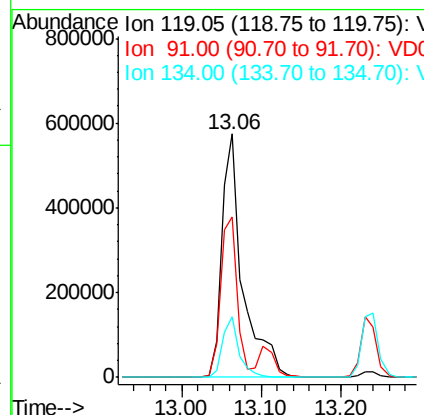
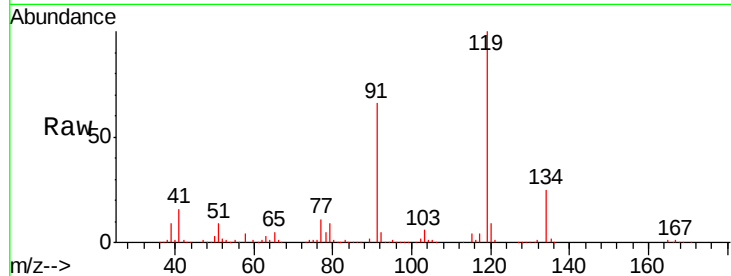
#83
tert-Butylbenzene
Concen: 19.899 ug/l
RT: 13.06 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Tgt Ion:119 Resp: 1055587
Ion Ratio Lower Upper
119 100
91 65.7 32.5 97.4
134 24.7 11.9 35.9

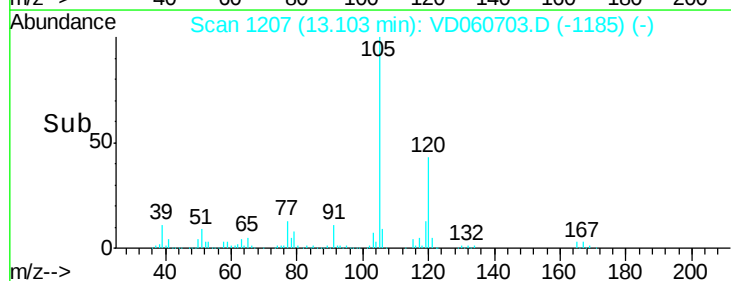
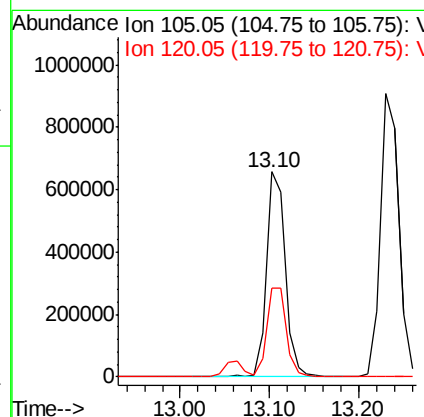
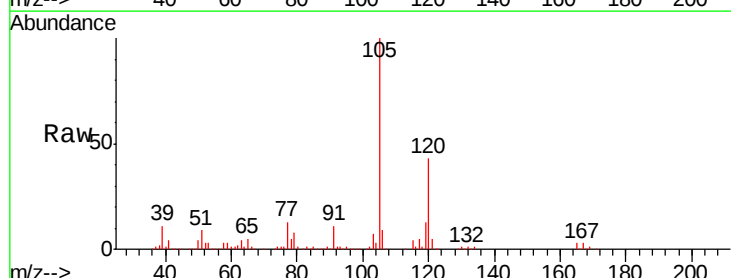
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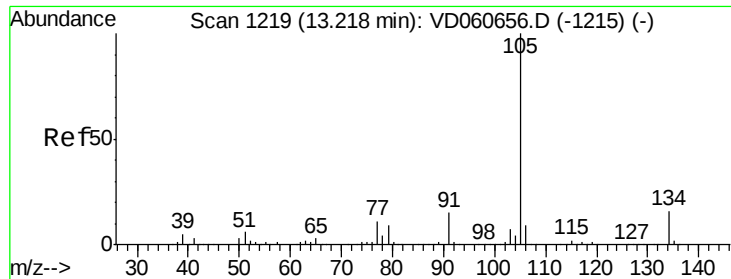
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#84
1,2,4-Trimethylbenzene
Concen: 19.689 ug/l
RT: 13.10 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:105 Resp: 945233
Ion Ratio Lower Upper
105 100
120 43.1 22.4 67.0





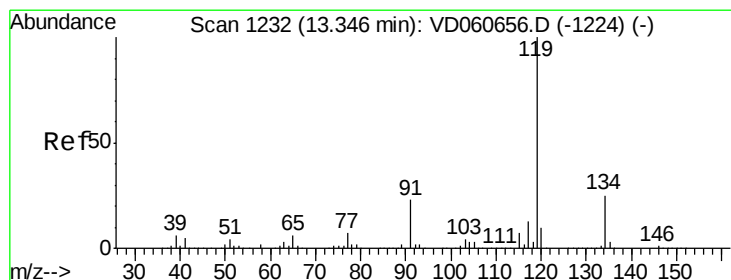
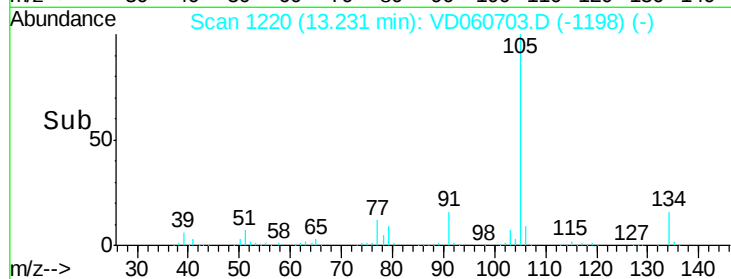
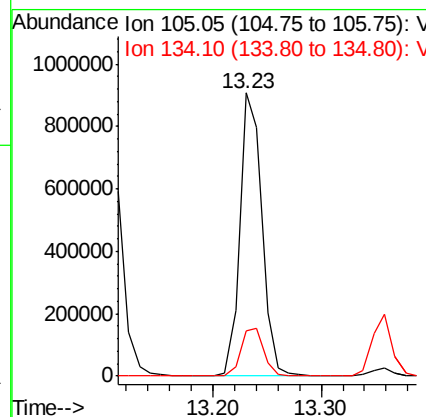
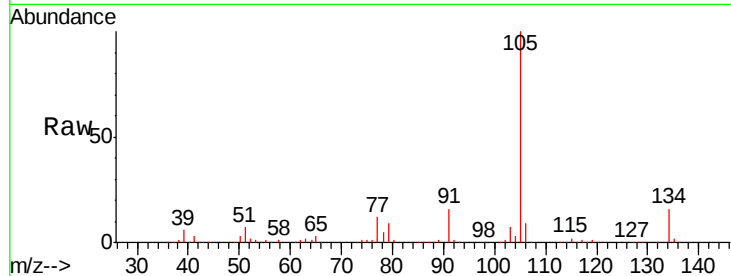
#85
 sec-Butylbenzene
 Concen: 19.795 ug/l
 RT: 13.23 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion:105 Resp: 1280620
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.2 24.4

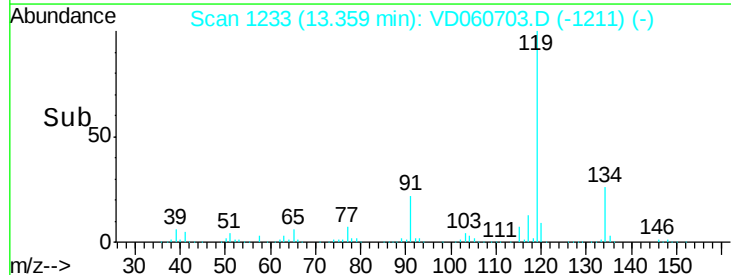
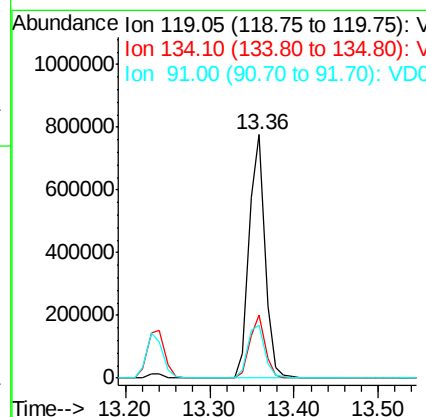
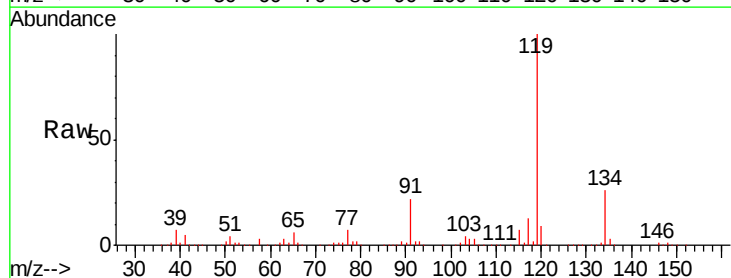
Manual Integrations
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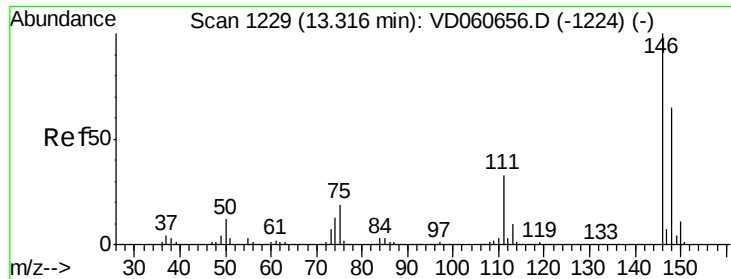
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#86
 p-Isopropyltoluene
 Concen: 19.480 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion:119 Resp: 1017290
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.5 37.5
 91 22.0 11.4 34.2





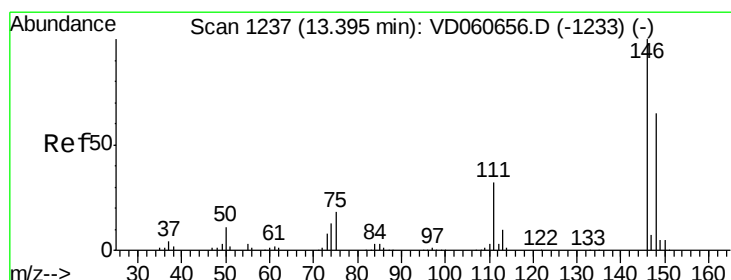
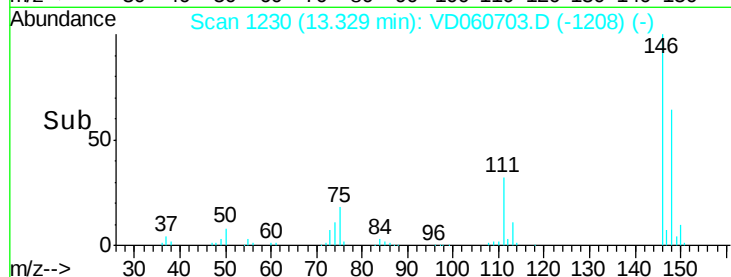
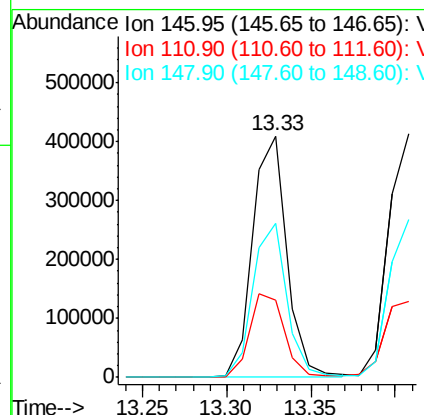
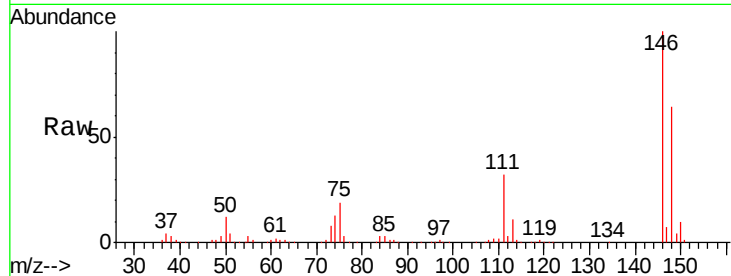
#87
 1,3-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.1	16.6	49.8
148	63.6	32.6	97.8

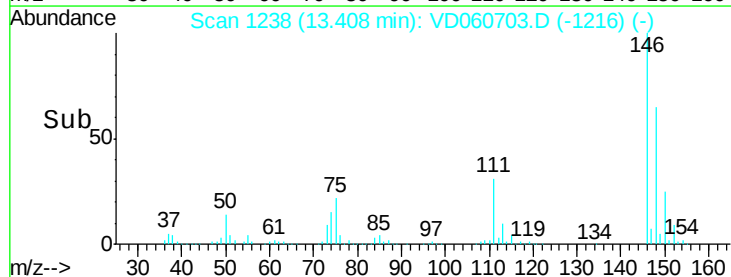
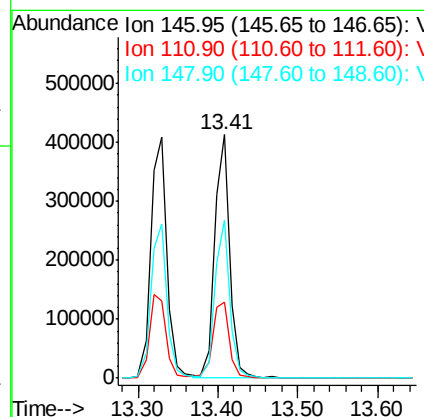
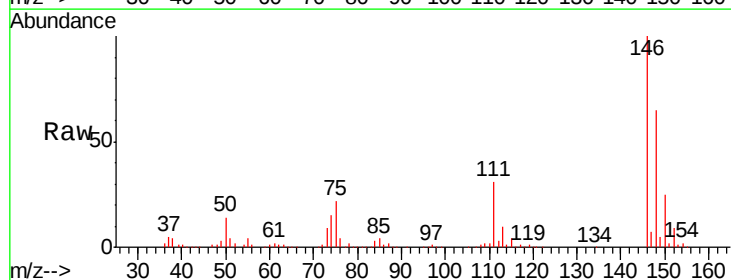
Manual Integrations
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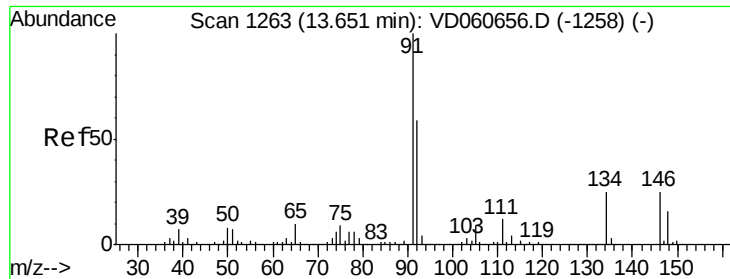
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#88
 1,4-Dichlorobenzene
 Concen: 19.053 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.2	16.2	48.5
148	64.7	32.7	98.1





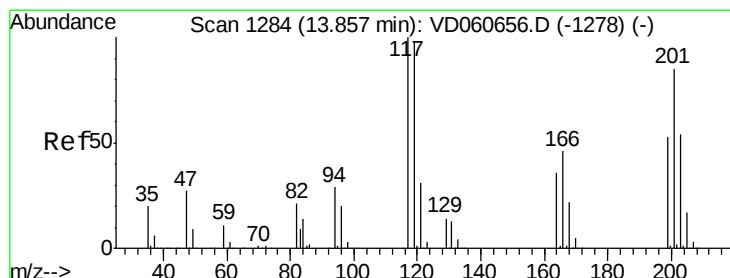
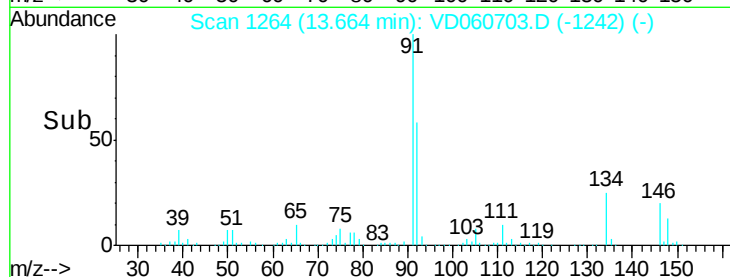
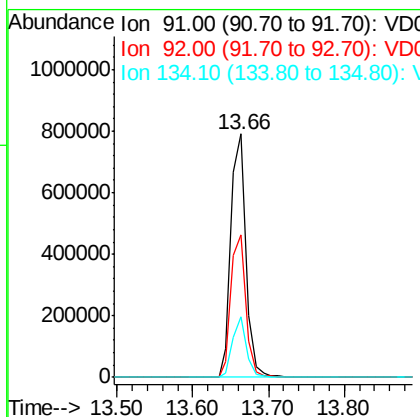
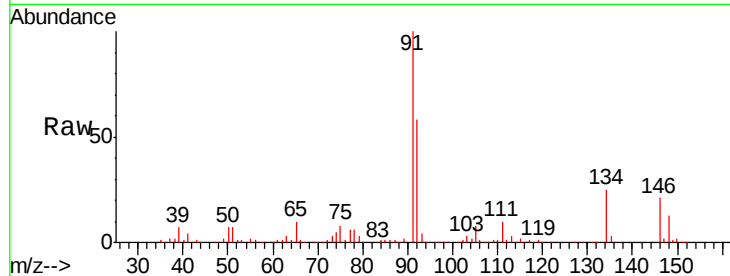
#89
n-Butylbenzene
Concen: 20.150 ug/l
RT: 13.66 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tgt Ion: 91 Resp: 1075323
Ion Ratio Lower Upper
91 100
92 58.3 29.7 89.1
134 24.6 12.7 38.1

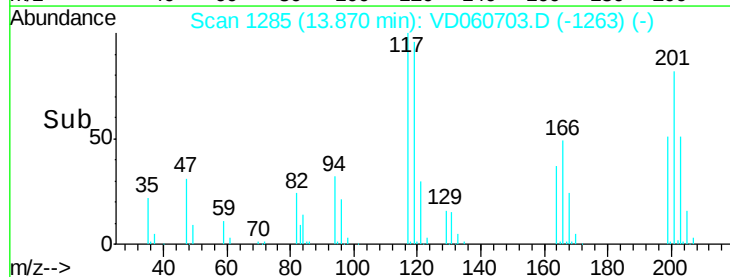
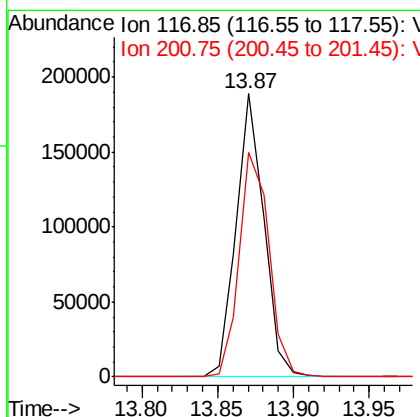
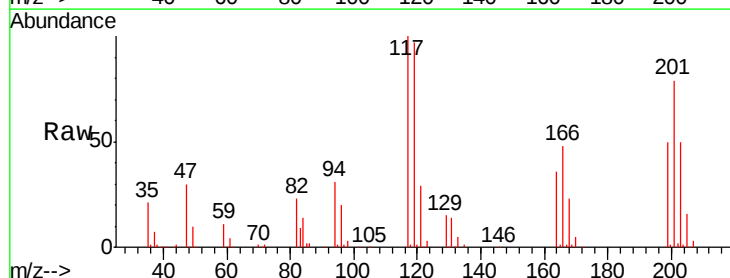
Manual Integrations
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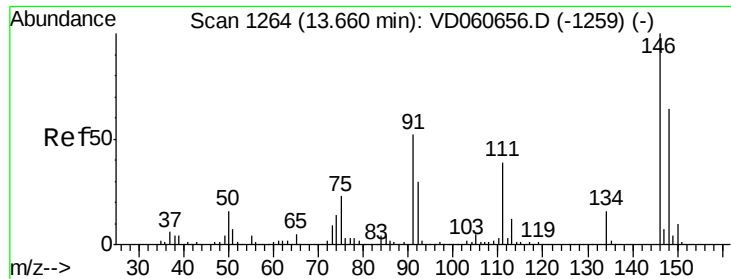
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#90
Hexachloroethane
Concen: 18.650 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 117 Resp: 239260
Ion Ratio Lower Upper
117 100
201 79.3 42.6 127.8





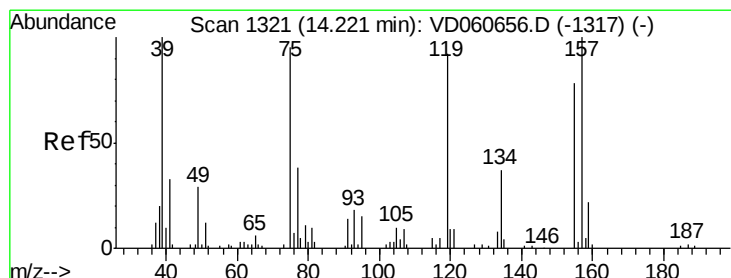
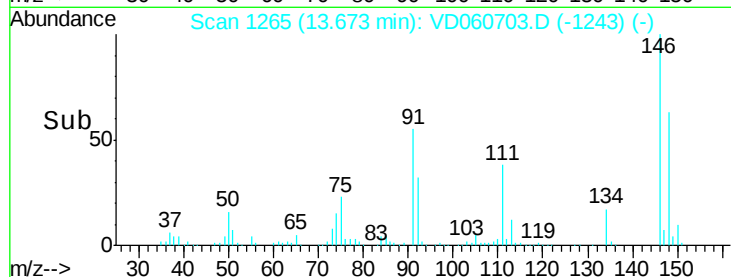
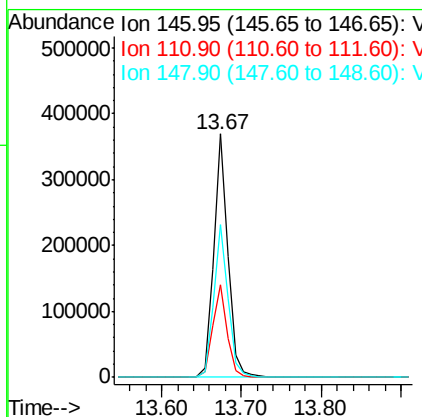
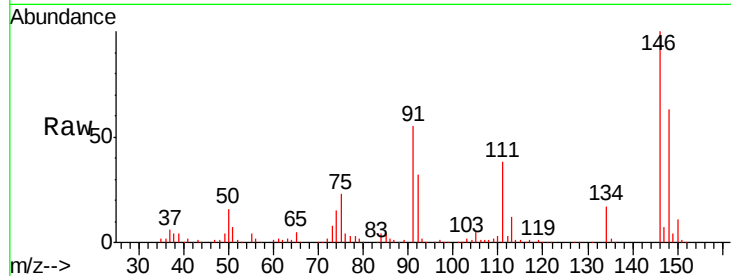
#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.67 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	466286		
111	37.8	19.3	57.9	
148	62.9	31.9	95.9	

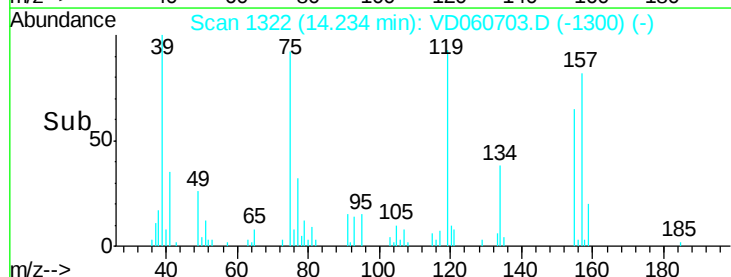
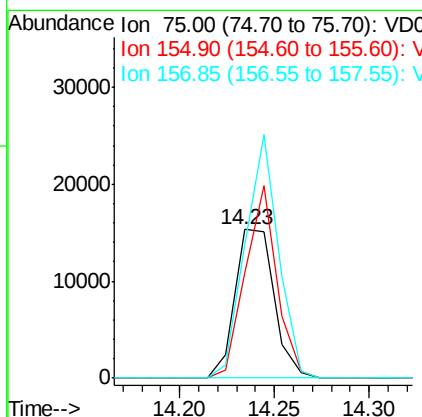
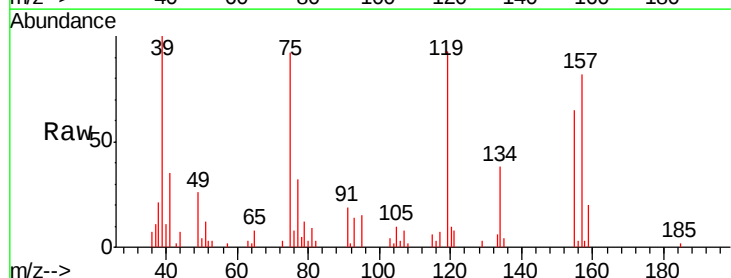
Manual Integrations
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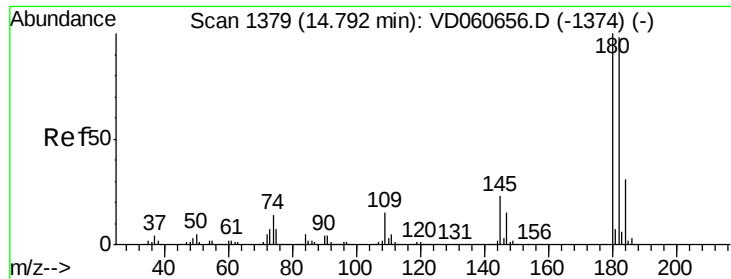
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.894 ug/l
 RT: 14.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21718		
155	71.1	41.1	123.4	
157	89.8	52.5	157.6	





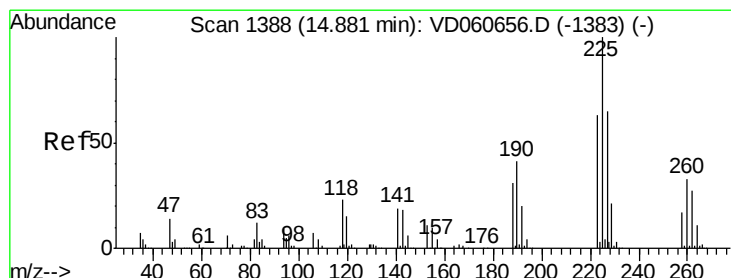
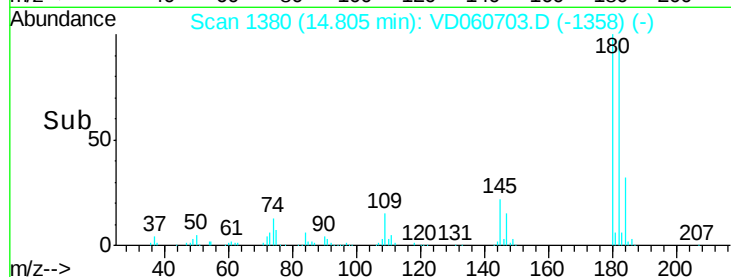
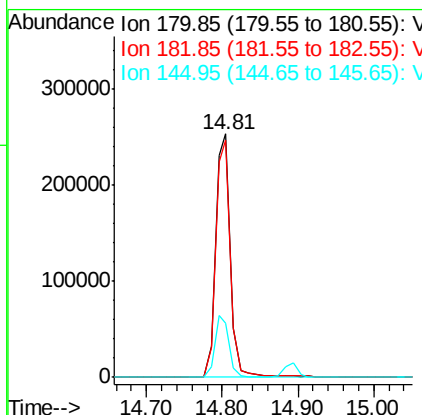
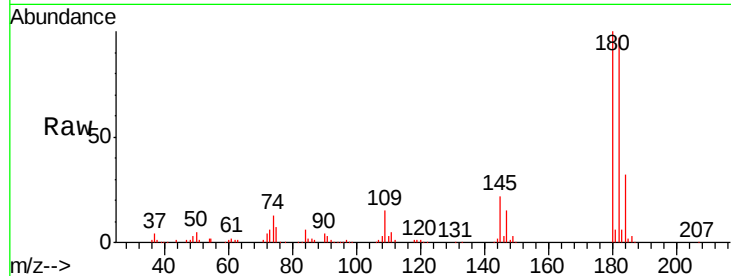
#93
 1,2,4-Trichlorobenzene
 Concen: 18.903 ug/l
 RT: 14.81 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.8	146.4
145	22.4	11.8	35.3

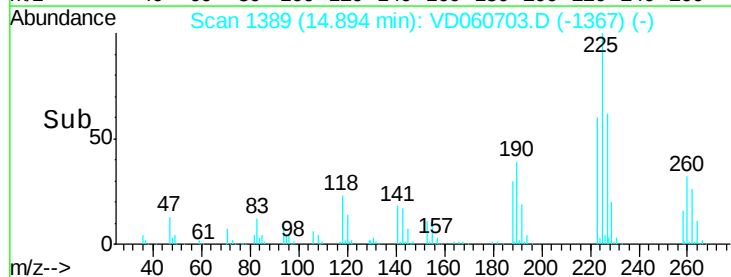
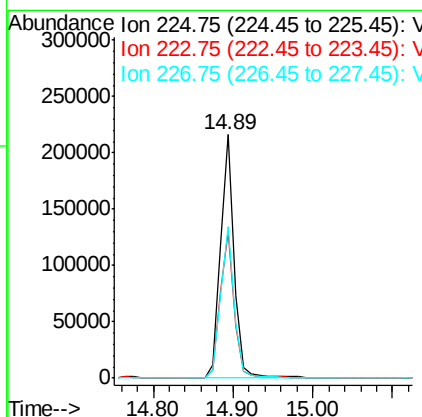
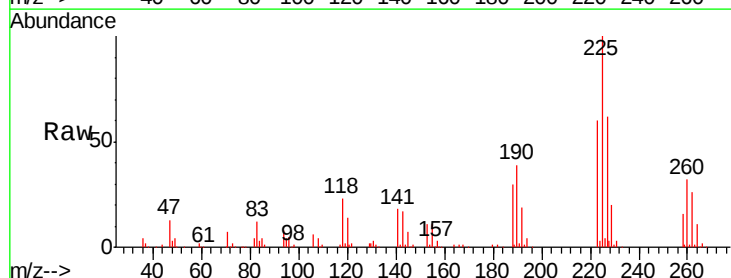
Manual Integrations
 APPROVED

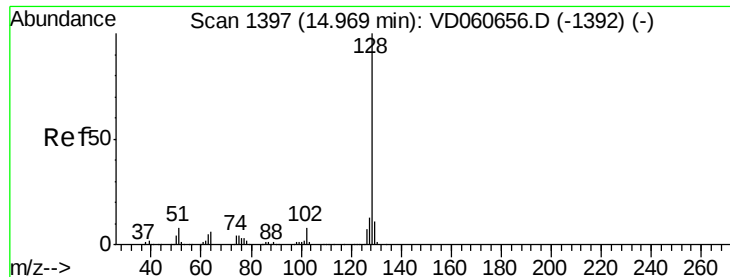
MMDadoda
 12/26/2018 11:04:16 AM



#94
 Hexachlorobutadiene
 Concen: 19.056 ug/l
 RT: 14.89 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.3	93.8
227	62.0	32.5	97.4





#95

Naphthalene

Concen: 18.655 ug/l

RT: 14.98 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

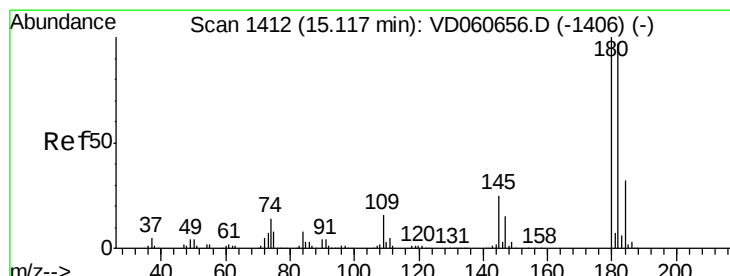
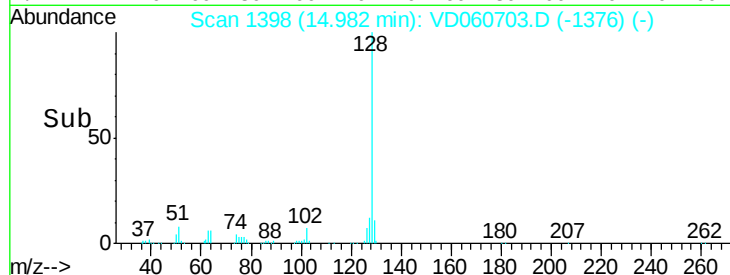
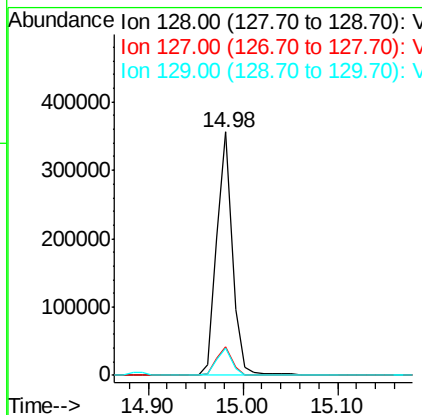
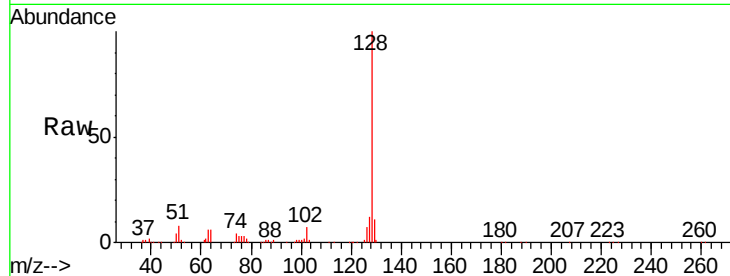
ClientSampleId :

VD1222SBS01

Tgt Ion:	128	Resp:	414056
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:04:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.590 ug/l

RT: 15.13 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion:	180	Resp:	285971
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.6	145.9
145	26.1	12.6	37.8

