

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060920.D
 Acq On : 4 Mar 2019 13:41
 Operator : VA/AP
 Sample : VD0304SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:49:21 AM

Quant Time: Mar 05 02:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	797168	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1363407	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	1078334	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	473071	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	353898	53.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.95	113	538686	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.43	98	1388413	51.05	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	13.56	95	530440	51.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	180734	20.461	ug/l	97
3) Chloromethane	1.78	50	153712	20.970	ug/l	99
4) Vinyl Chloride	1.87	62	131352	19.835	ug/l	100
5) Bromomethane	2.16	94	18405	15.734	ug/l	92
6) Chloroethane	2.28	64	25461	15.958	ug/l	97
7) Trichlorofluoromethane	2.55	101	151384	19.045	ug/l	98
8) Diethyl Ether	2.89	74	64388	18.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.18	101	211744	19.640	ug/l	98
10) Methyl Iodide	3.33	142	256924	19.725	ug/l	97
11) Tert butyl alcohol	4.10	59	48784	99.322	ug/l	99
12) 1,1-Dichloroethene	3.15	96	180580	19.746	ug/l	96
13) Acrolein	3.06	56	67626	99.424	ug/l	100
14) Allyl chloride	3.65	41	282697	18.952	ug/l	98
15) Acrylonitrile	4.23	53	170383	90.597	ug/l	97
16) Acetone	3.25	43	209289	95.116	ug/l	99
17) Carbon Disulfide	3.40	76	606217	18.700	ug/l	100
18) Methyl Acetate	3.67	43	78469	17.417	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	312711	19.440	ug/l	98
20) Methylene Chloride	3.85	84	220177	18.818	ug/l	94
21) trans-1,2-Dichloroethene	4.25	96	190923	19.177	ug/l	98
22) Diisopropyl ether	5.16	45	609586	19.246	ug/l	98
23) Vinyl Acetate	5.09	43	1557748	93.654	ug/l	99
24) 1,1-Dichloroethane	5.02	63	317425	18.791	ug/l	100
25) 2-Butanone	6.10	43	258580	94.733	ug/l	100
26) 2,2-Dichloropropane	6.05	77	249118	19.852	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	220931	19.571	ug/l	99
28) Bromochloromethane	6.47	49	122014	17.196	ug/l #	99
29) Tetrahydrofuran	6.49	42	138927	98.881	ug/l	100
30) Chloroform	6.69	83	324889	19.830	ug/l	98
31) Cyclohexane	6.99	56	294989	20.276	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	272222	19.404	ug/l	99
36) 1,1-Dichloropropene	7.17	75	249828	19.930	ug/l	98
37) Ethyl Acetate	6.21	43	119553	18.552	ug/l	99
38) Carbon Tetrachloride	7.14	117	259493	19.268	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	280917	20.501	ug/l	99
40) Benzene	7.48	78	691257	21.653	ug/l	97
41) Methacrylonitrile	6.48	41	81346m	20.206	ug/l	
42) 1,2-Dichloroethane	7.61	62	184467	20.536	ug/l	96
43) Isopropyl Acetate	9.26	43	188528	20.983	ug/l #	99
44) Trichloroethene	8.56	130	222283	20.331	ug/l	99
45) 1,2-Dichloropropane	8.97	63	169282	20.029	ug/l	99
46) Dibromomethane	9.08	93	107272	19.677	ug/l	97
47) Bromodichloromethane	9.40	83	236169	19.860	ug/l	97
48) Methyl methacrylate	9.14	41	96898	19.196	ug/l	99
49) 1,4-Dioxane	9.10	88	21786	412.263	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	536600	98.094	ug/l	99
52) Toluene	10.53	92	393821	19.201	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	215707	19.712	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	273465	20.153	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	137105	20.214	ug/l	98
56) Ethyl methacrylate	11.06	69	138129	19.210	ug/l	94
57) 1,3-Dichloropropane	11.43	76	203907	20.677	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	383054	99.747	ug/l	95
59) 2-Hexanone	11.55	43	388614	101.343	ug/l	99
60) Dibromochloromethane	11.70	129	192111	19.638	ug/l	100
61) 1,2-Dibromoethane	11.82	107	158490	19.890	ug/l	100
64) Tetrachloroethene	11.28	164	167301	20.268	ug/l	98
65) Chlorobenzene	12.41	112	507734	21.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	184128	21.372	ug/l	97
67) Ethyl Benzene	12.54	91	753460	21.554	ug/l	100
68) m/p-Xylenes	12.68	106	595389	42.630	ug/l	96
69) o-Xylene	13.06	106	280644	21.392	ug/l	97
70) Styrene	13.08	104	472103	21.568	ug/l	98
71) Bromoform	13.25	173	113420	20.800	ug/l	99
73) Isopropylbenzene	13.42	105	750266	20.527	ug/l	98
74) N-amyl acetate	13.28	43	226028	20.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	152818	20.160	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	160492	20.938	ug/l	97
77) Bromobenzene	13.68	156	195432	20.456	ug/l	96
78) n-propylbenzene	13.79	91	866760	20.612	ug/l	98
79) 2-Chlorotoluene	13.85	91	481941	20.067	ug/l	95
80) 1,3,5-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	51475	22.691	ug/l	99
82) 4-Chlorotoluene	13.96	91	559757	21.250	ug/l	96
83) tert-Butylbenzene	14.20	119	654375	20.619	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578590	20.874	ug/l	95
85) sec-Butylbenzene	14.38	105	775546	21.079	ug/l	96
86) p-Isopropyltoluene	14.50	119	640719	21.381	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	368439	22.700	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	354073	21.967	ug/l	99
89) n-Butylbenzene	14.80	91	570663	19.119	ug/l	98
90) Hexachloroethane	15.02	117	182217	21.084	ug/l	90
91) 1,2-Dichlorobenzene	14.82	146	290885	20.685	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17592	19.833	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	158161	19.369	ug/l	98
94) Hexachlorobutadiene	16.04	225	106559	20.331	ug/l	98
95) Naphthalene	16.13	128	261337	20.552	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	100380	21.890	ug/l	97

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

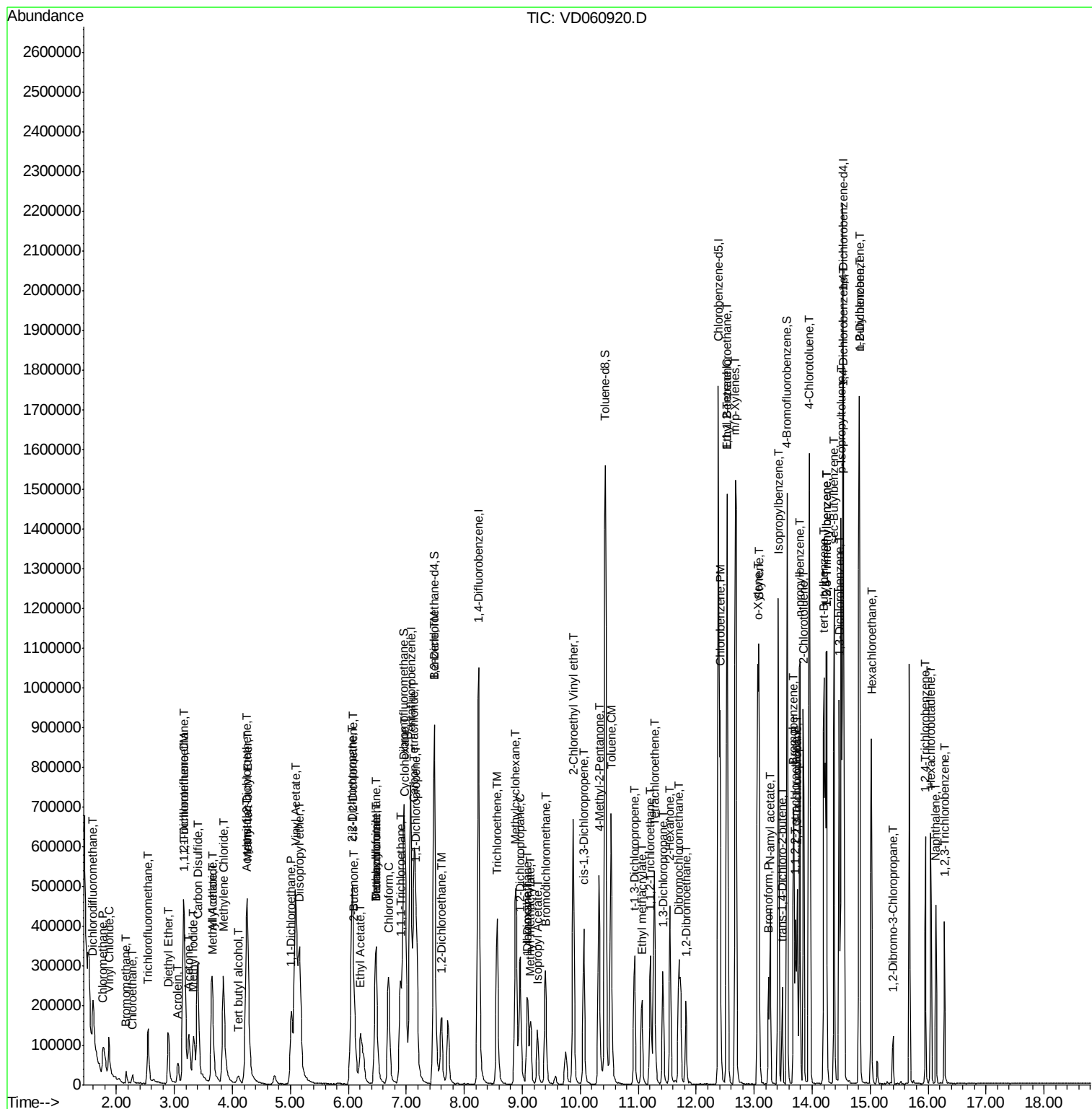
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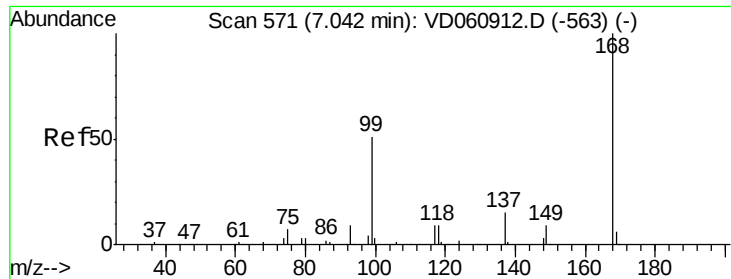
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion:168 Resp: 797168

Ion Ratio Lower Upper

168 100

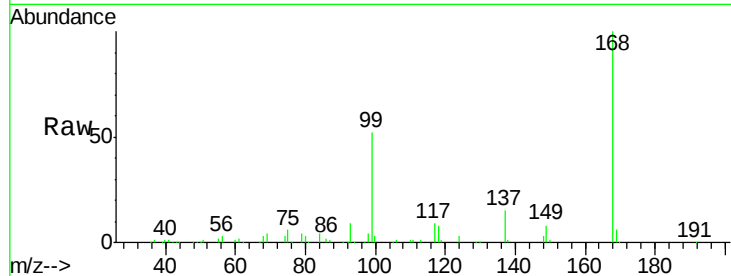
99 52.1 41.5 62.3

Manual Integrations

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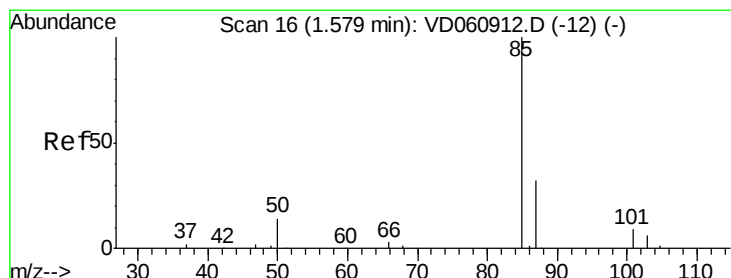
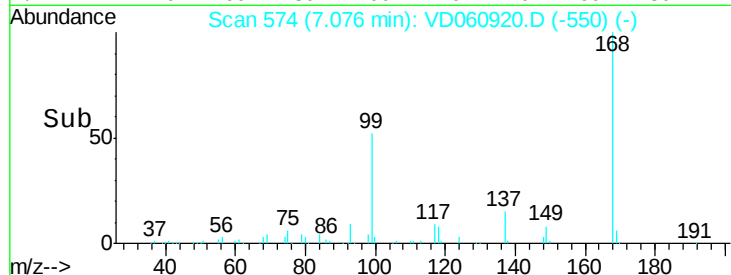
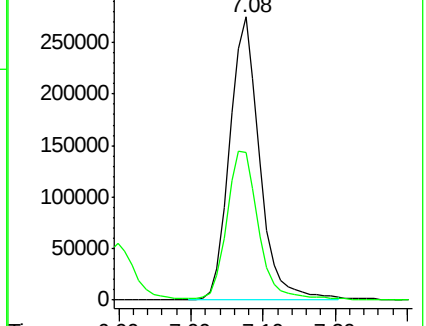
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.461 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060920.D

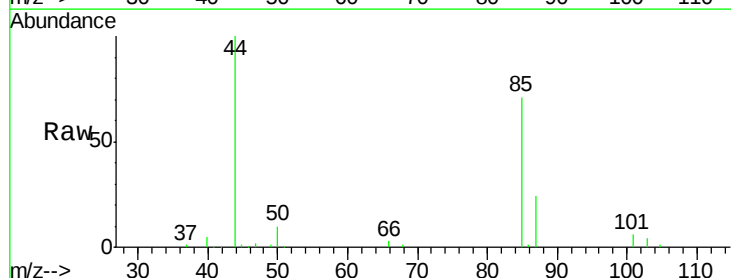
Acq: 4 Mar 2019 13:41

Tgt Ion: 85 Resp: 180734

Ion Ratio Lower Upper

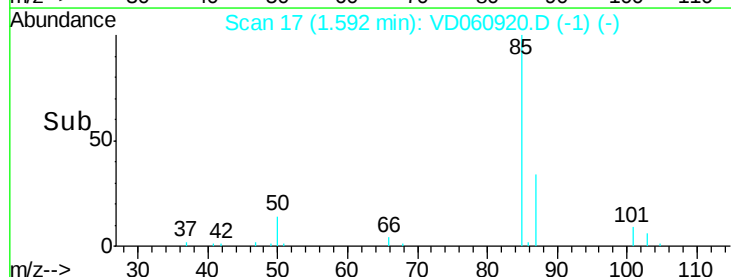
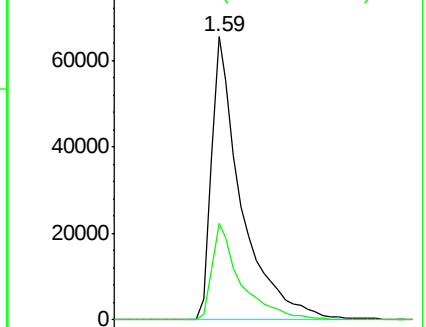
85 100

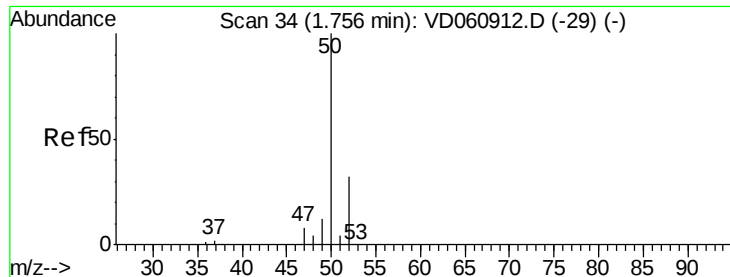
87 33.9 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.970 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion: 50 Resp: 153712

Ion Ratio Lower Upper

50 100

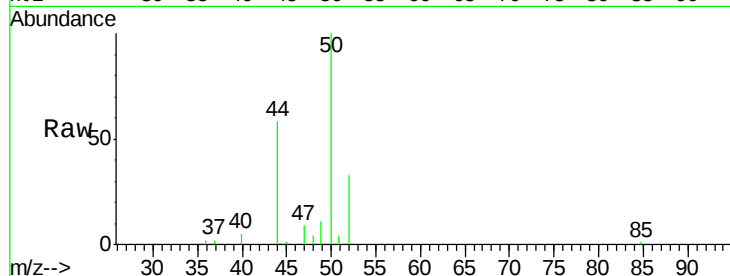
52 32.8 25.8 38.6

Manual Integrations

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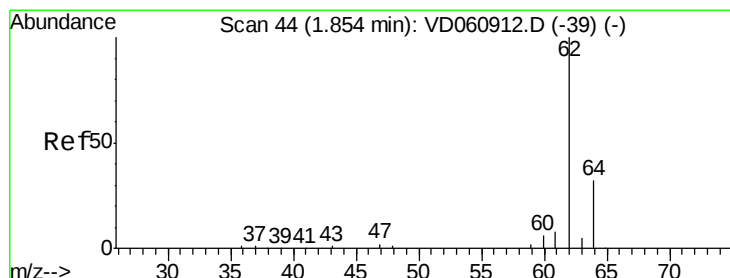
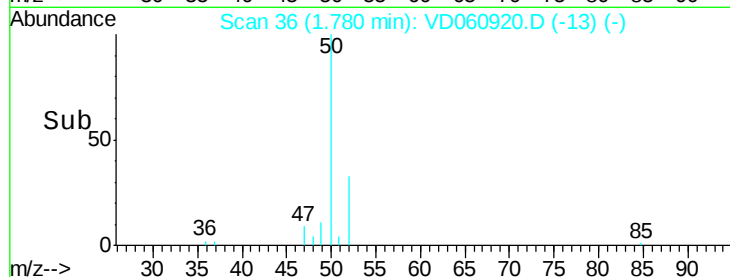
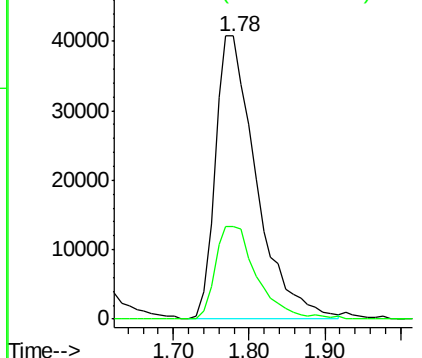
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.835 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060920.D

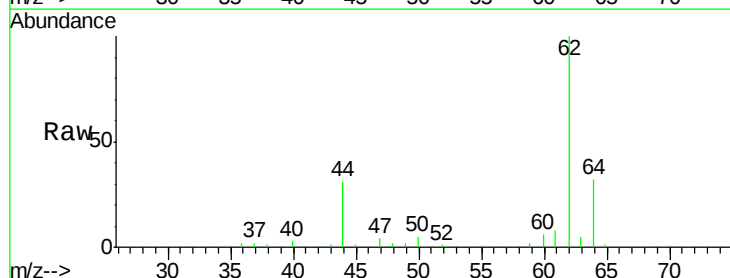
Acq: 4 Mar 2019 13:41

Tgt Ion: 62 Resp: 131352

Ion Ratio Lower Upper

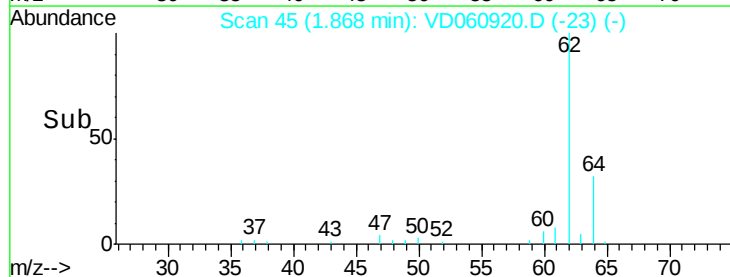
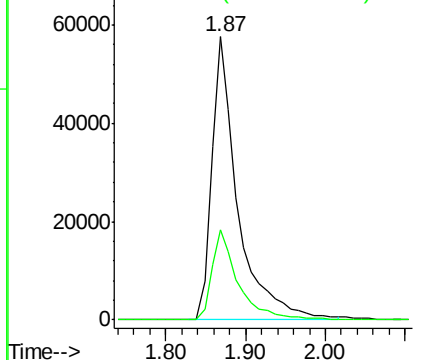
62 100

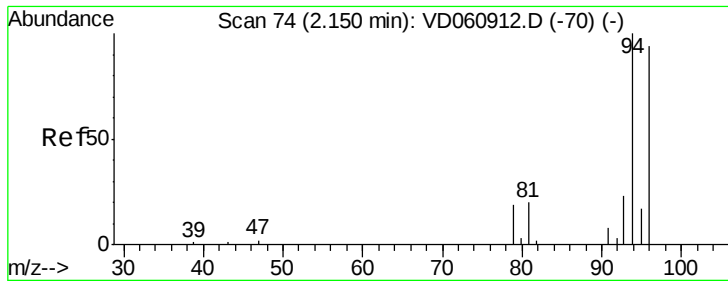
64 31.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.734 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

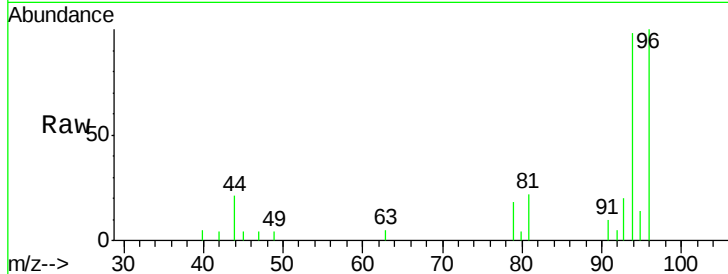
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VD0304SBS01

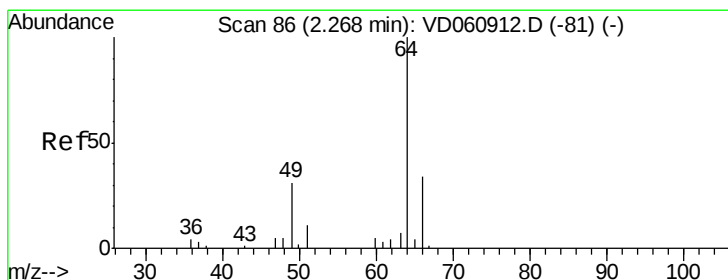
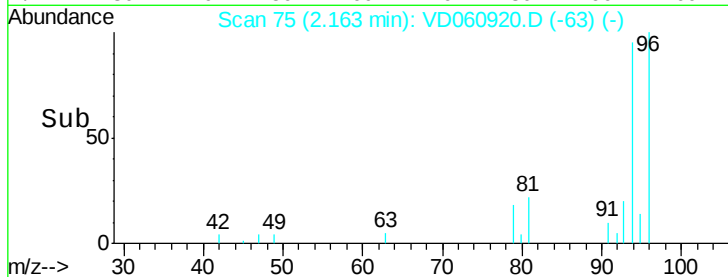
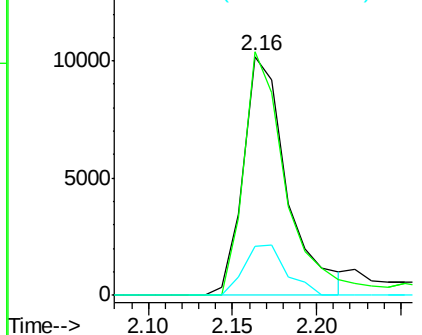
Tot Ion:	94	Resp:	18405
Ion Ratio	Lower	Upper	
94	100		
96	102.1	75.1	112.7
93	20.3	18.6	28.0

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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 15.958 ug/l

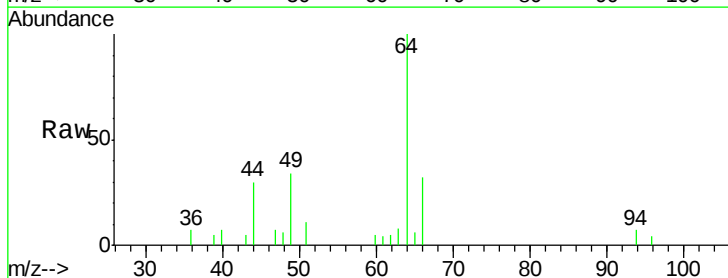
RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

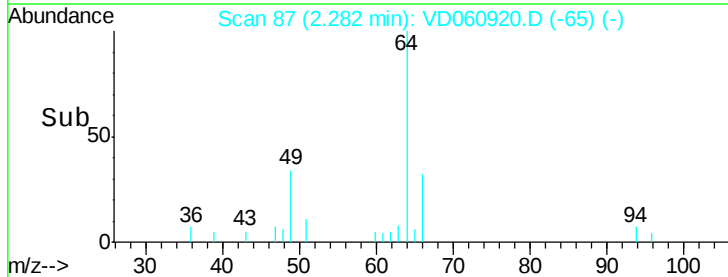
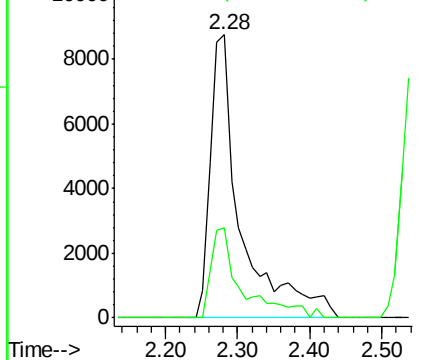
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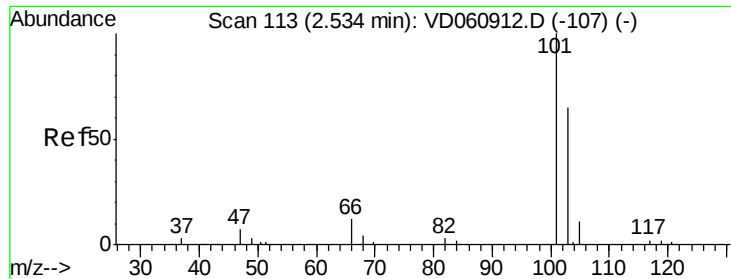
Acq: 4 Mar 2019 13:41

Tgt Ion:	64	Resp:	25461
Ion Ratio	Lower	Upper	
64	100		
66	31.9	27.0	40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

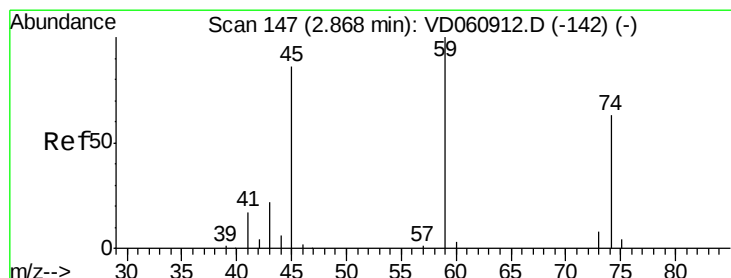
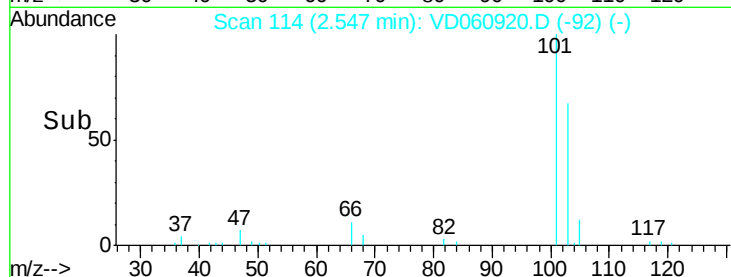
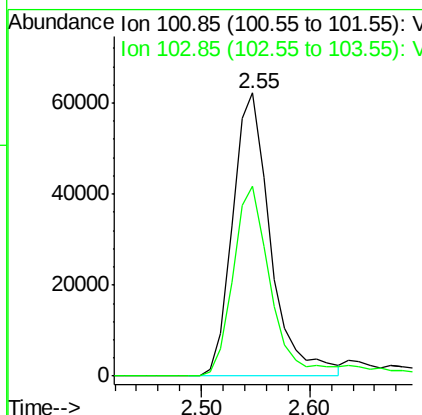
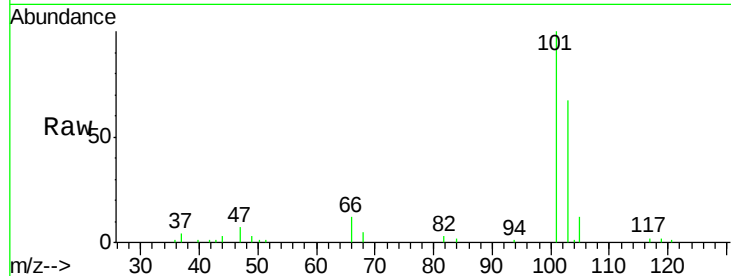
Trichlorofluoromethane
 Concen: 19.045 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD060920.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.4	78.6

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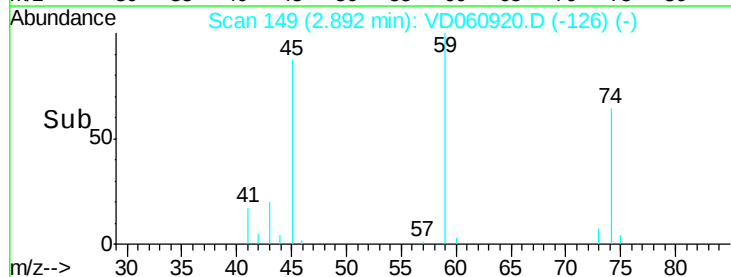
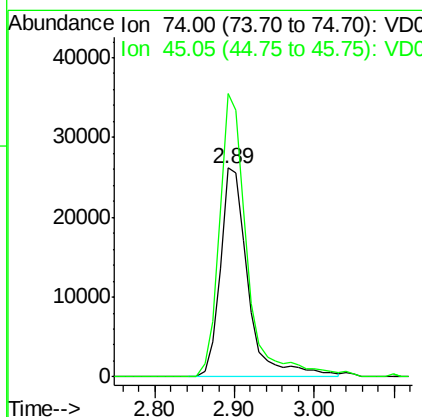
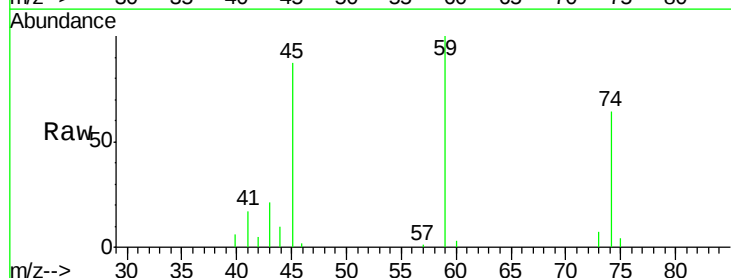
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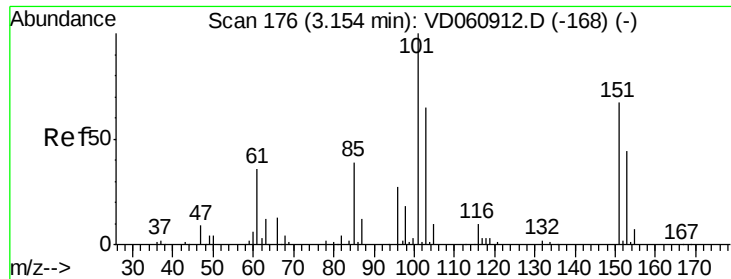


#8

Diethyl Ether
 Concen: 18.365 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.7	68.8	206.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.640 ug/l

RT: 3.18 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

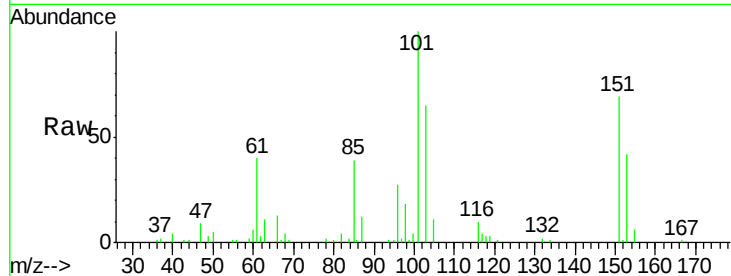
ClientSampleId :

VD0304SBS01

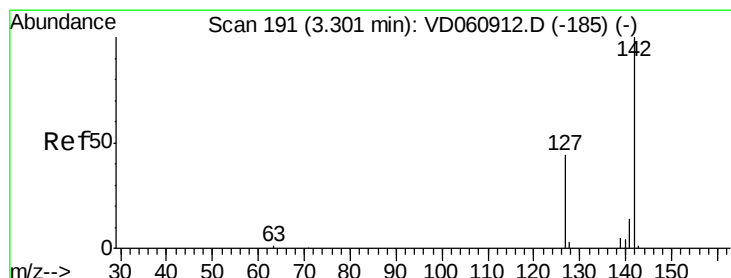
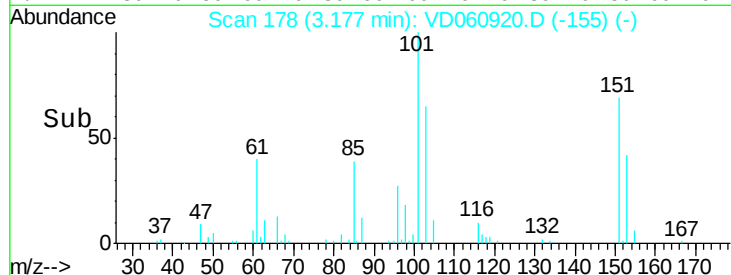
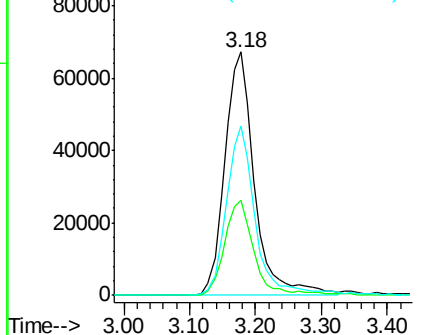
Tot Ion:	101	Resp:	211744
Ion Ratio	Lower	Upper	
101	100		
85	39.3	31.0	46.6
151	69.4	53.8	80.6

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.725 ug/l

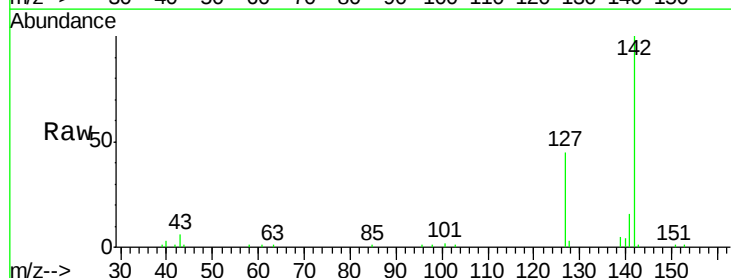
RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

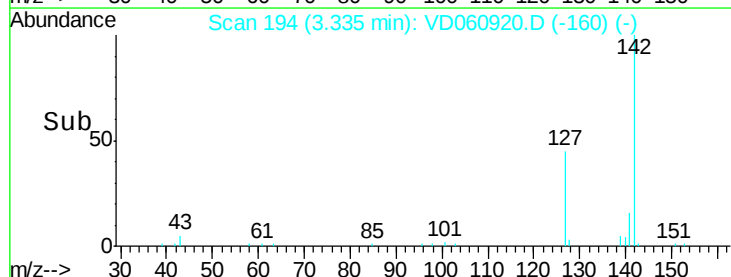
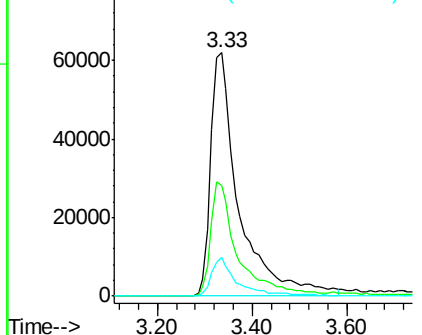
Lab File: VD060920.D

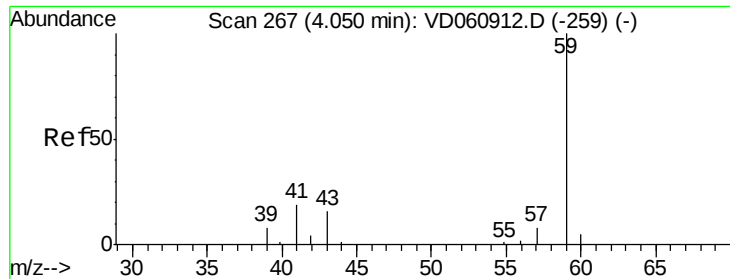
Acq: 4 Mar 2019 13:41

Tgt Ion:	142	Resp:	256924
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.0	52.6
141	15.9	11.0	16.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





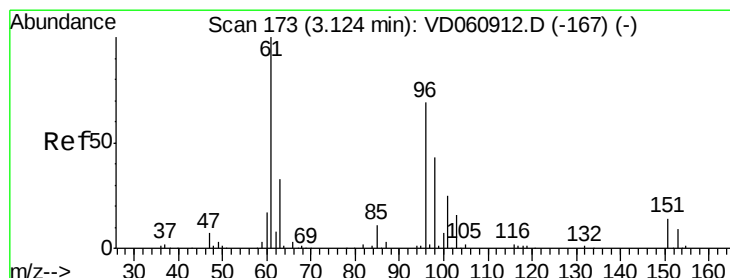
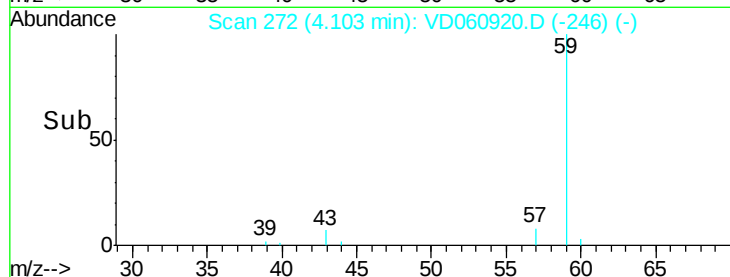
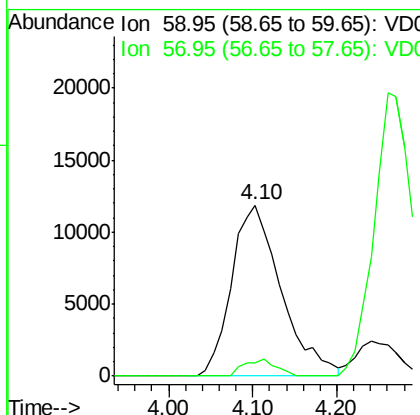
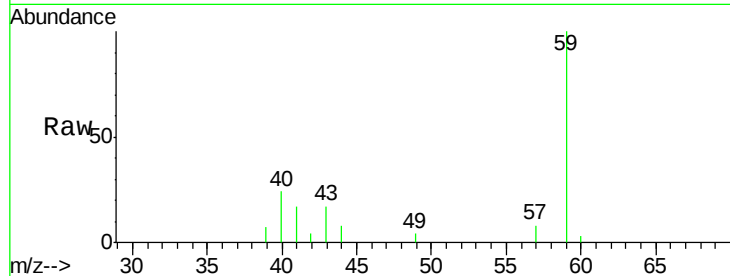
#11
Tert butyl alcohol
Concen: 99.322 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.05 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 59 Resp: 48784
Ion Ratio Lower Upper
59 100
57 7.8 6.5 9.7

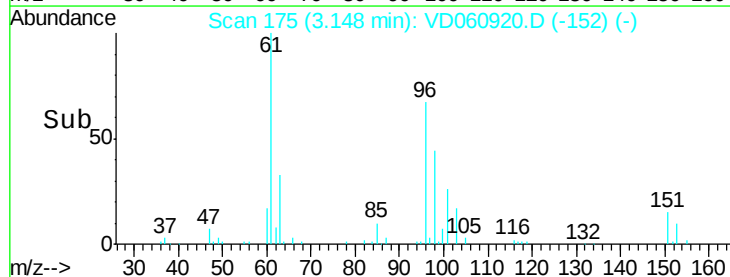
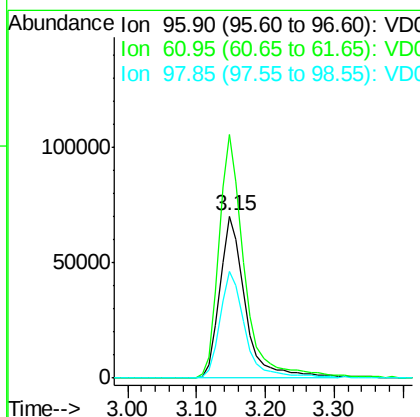
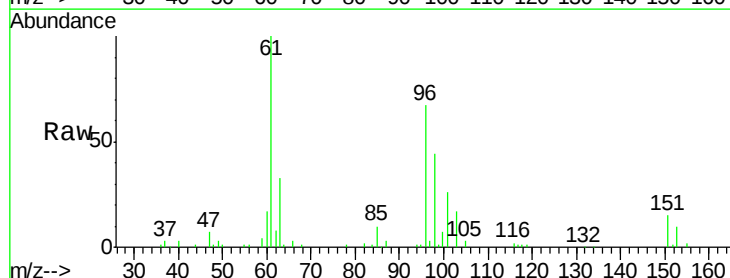
Manual Integrations
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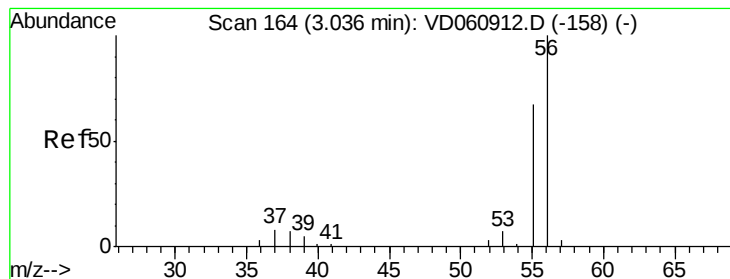
MMDadoda
3/5/2019 10:49:21 AM



#12
1,1-Dichloroethene
Concen: 19.746 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 96 Resp: 180580
Ion Ratio Lower Upper
96 100
61 150.0 116.4 174.6
98 66.1 50.5 75.7





#13

Acrolein

Concen: 99.424 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tot Ion: 56 Resp: 67626

Ion Ratio Lower Upper

56 100

55 66.6 53.5 80.3

Instrument :

MSVOA_D

ClientSampleId :

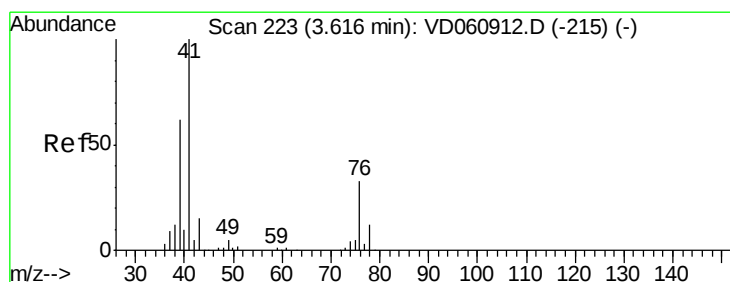
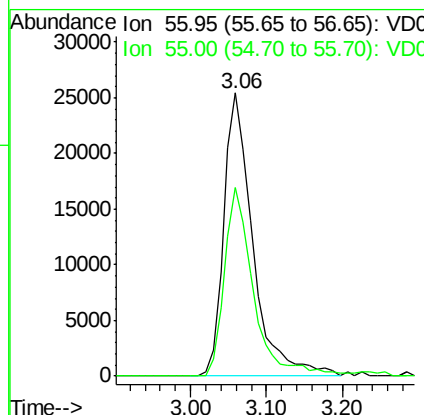
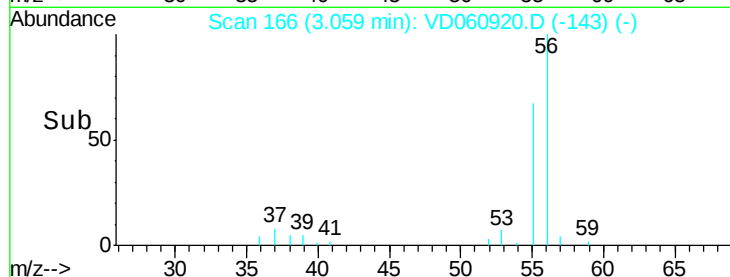
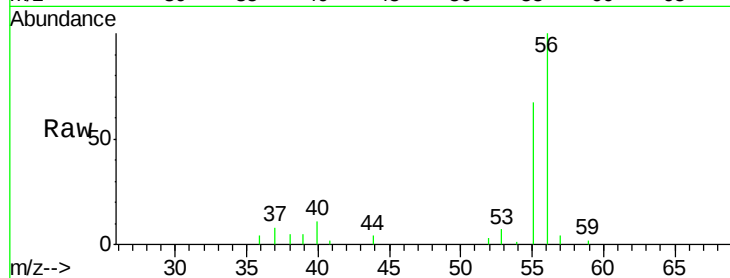
VD0304SBS01

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#14

Allyl chloride

Concen: 18.952 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

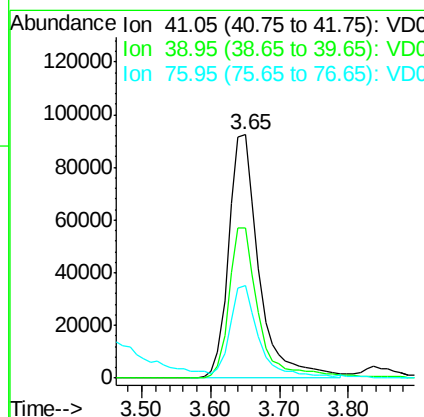
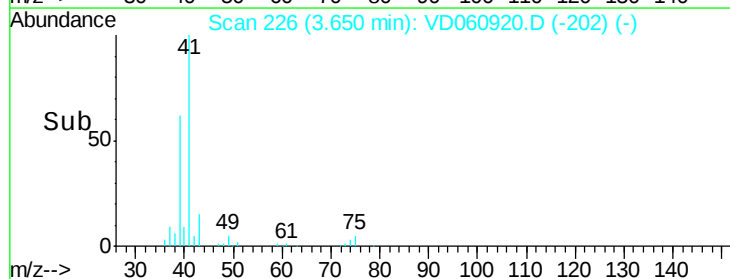
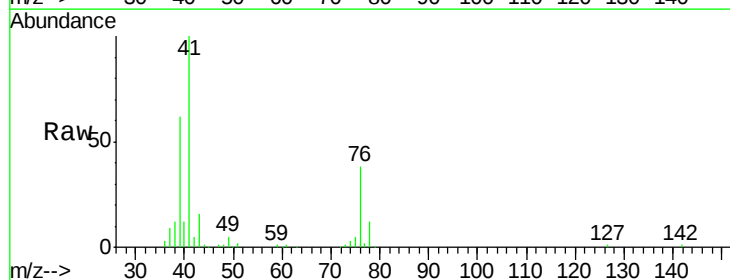
Tgt Ion: 41 Resp: 282697

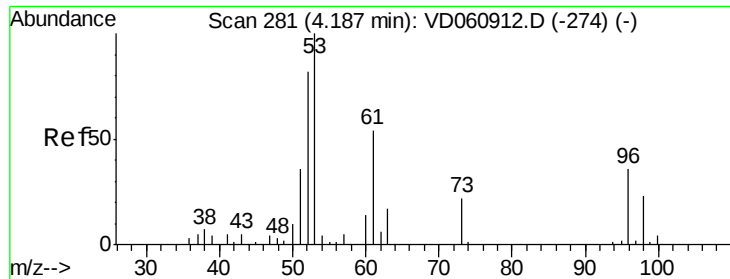
Ion Ratio Lower Upper

41 100

39 61.6 49.9 74.9

76 38.0 28.6 42.8





#15

Acrylonitrile

Concen: 90.597 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

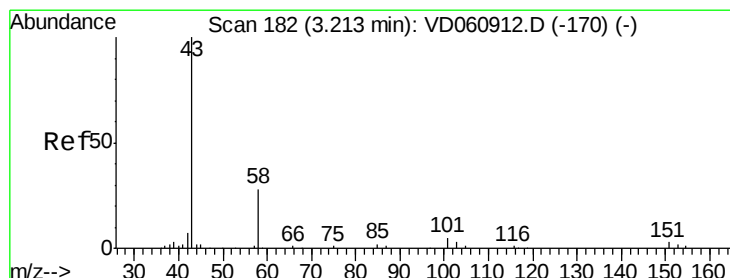
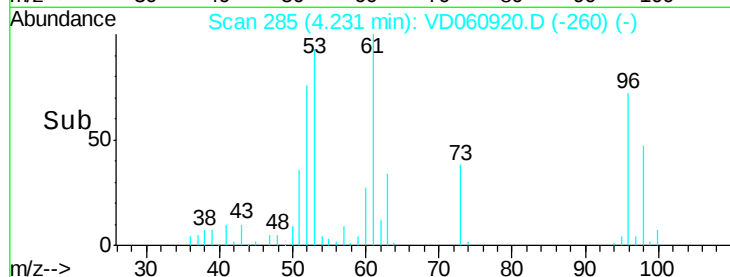
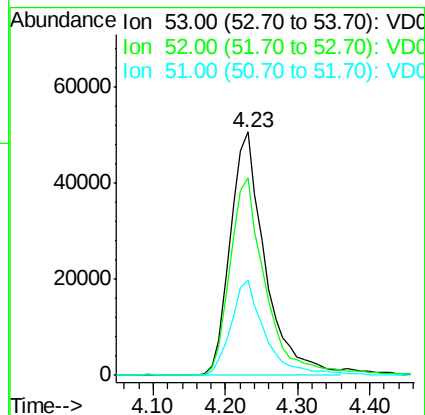
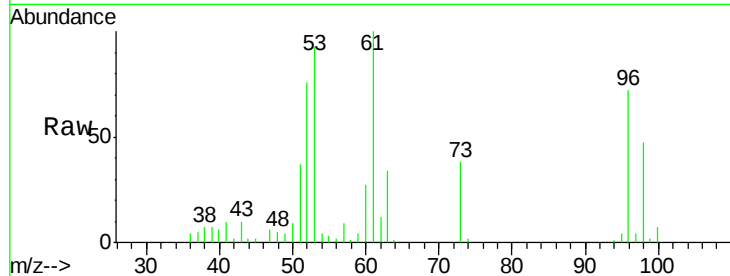
VD0304SBS01

Tot Ion: 53 Resp: 170383

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.8	98.6
51	39.3	28.9	43.3

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#16

Acetone

Concen: 95.116 ug/l

RT: 3.25 min Scan# 185

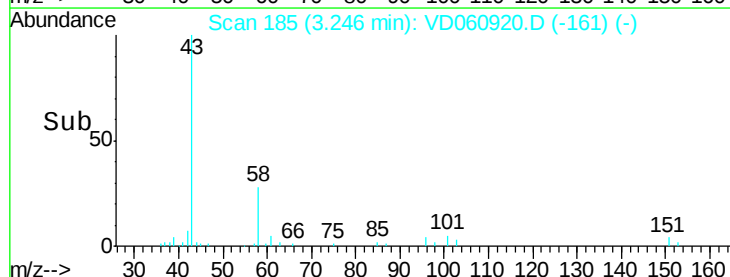
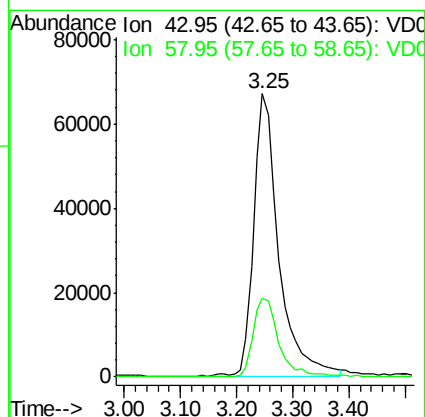
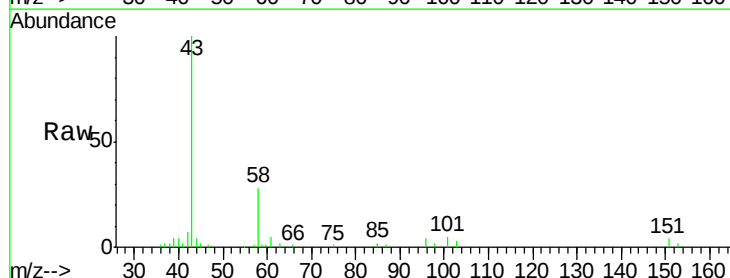
Delta R.T. 0.03 min

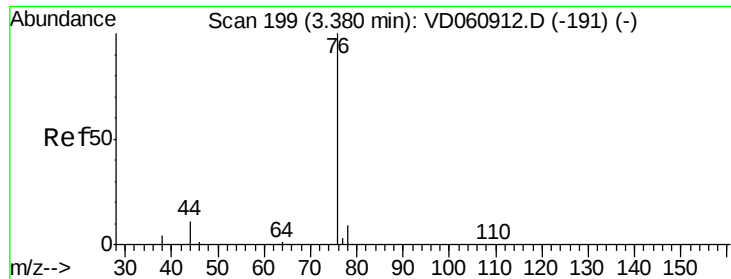
Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 209289

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.8	34.2





#17

Carbon Disulfide

Concen: 18.700 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion: 76 Resp: 606217

Ion Ratio Lower Upper

76 100

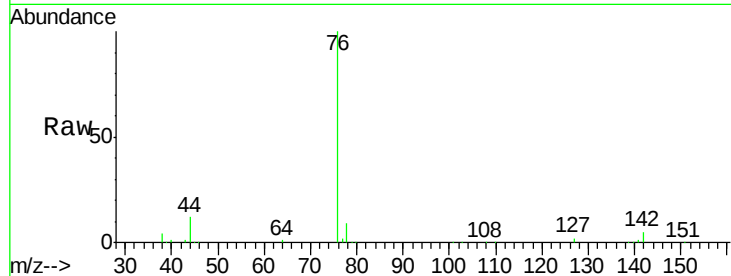
78 9.4 7.4 11.0

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

250000

200000

150000

100000

50000

0

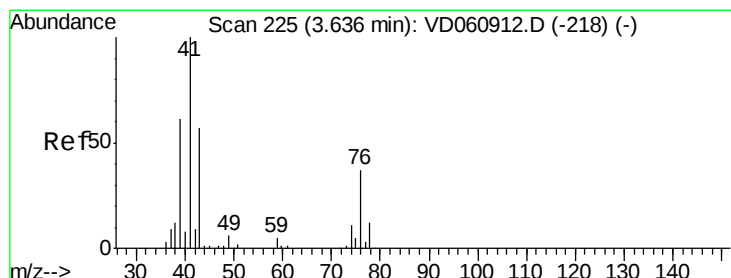
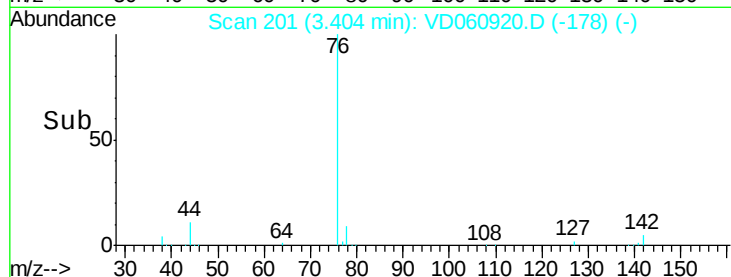
3.30

3.40

3.50

3.60

Time-->



#18

Methyl Acetate

Concen: 17.417 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.03 min

Lab File: VD060920.D

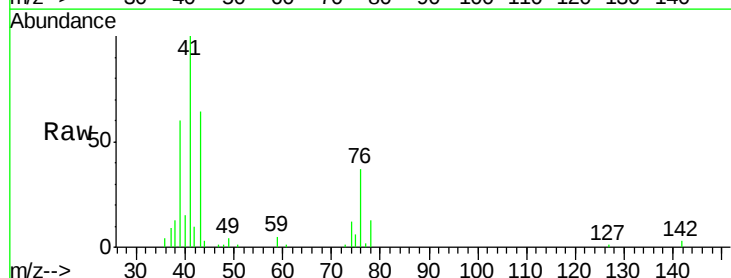
Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 78469

Ion Ratio Lower Upper

43 100

74 19.2 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

25000

20000

15000

10000

5000

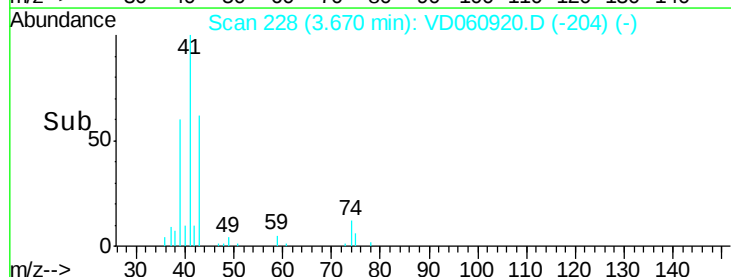
0

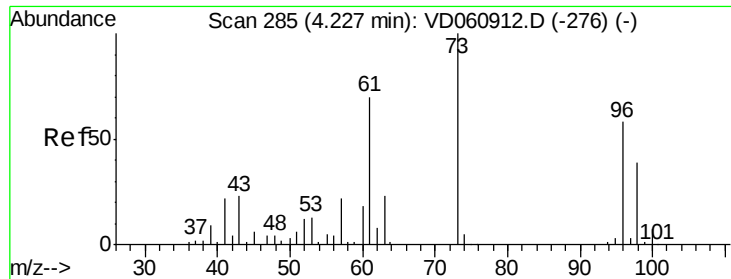
3.60

3.70

3.80

Time-->





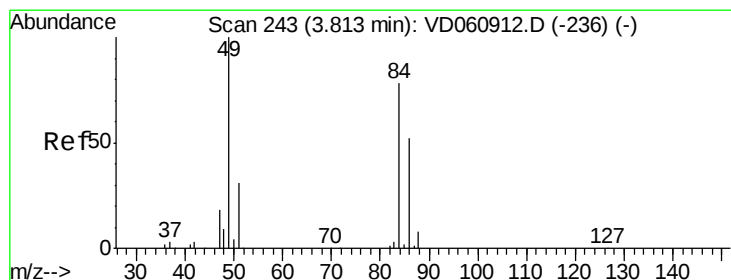
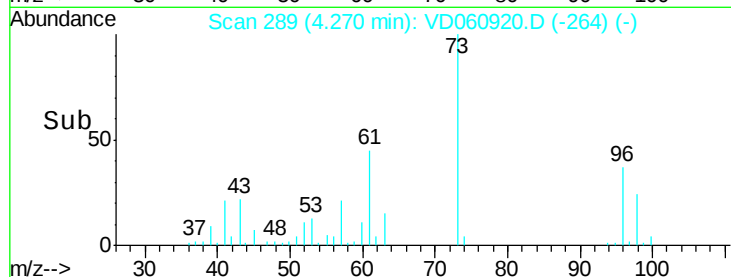
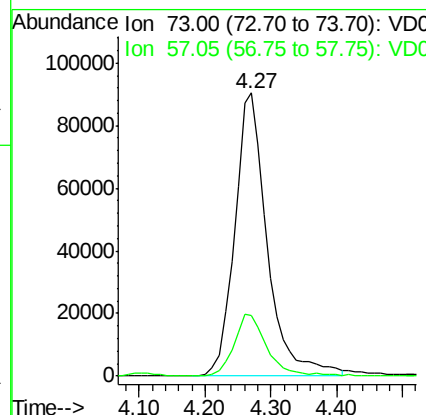
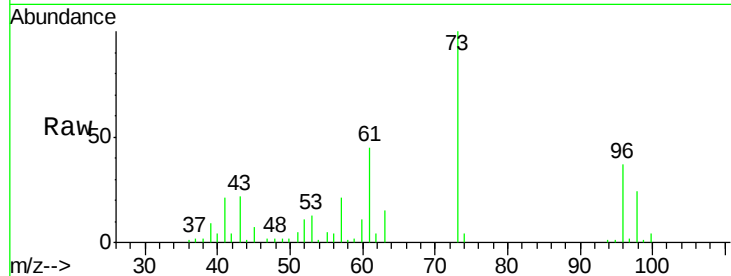
#19
Methvl tert-butvl Ether
Concen: 19.440 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 73 Resp: 312711
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6

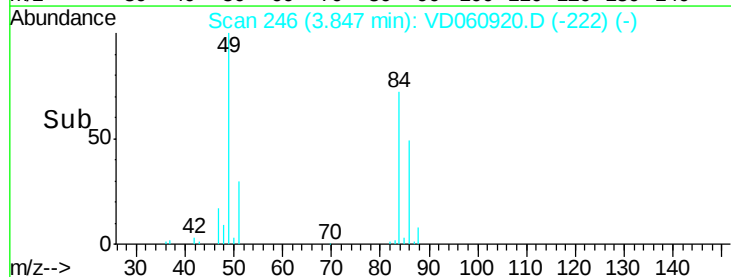
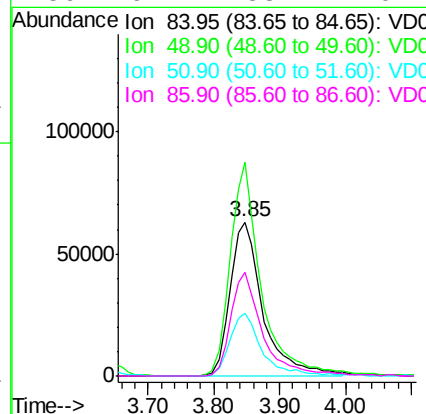
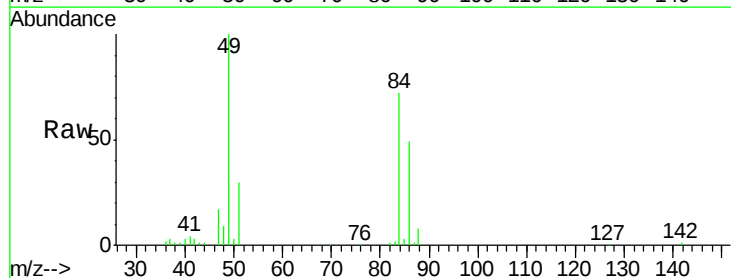
Manual Integrations
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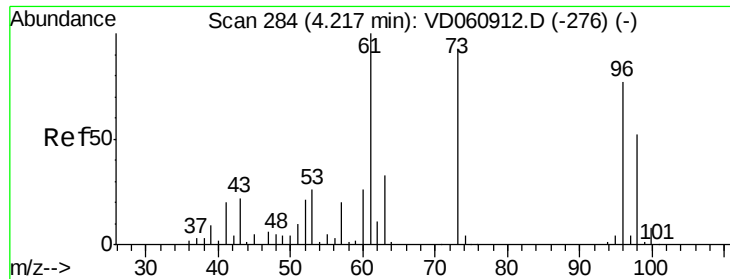
MMDadoda
3/5/2019 10:49:21 AM



#20
Methylene Chloride
Concen: 18.818 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 84 Resp: 220177
Ion Ratio Lower Upper
84 100
49 138.6 102.4 153.6
51 41.1 31.9 47.9
86 67.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.177 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

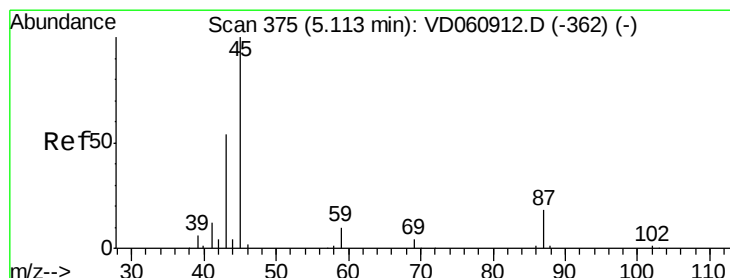
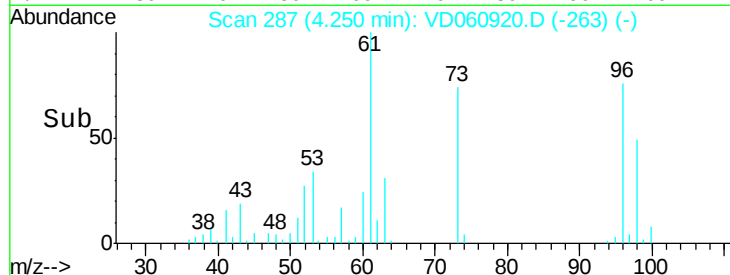
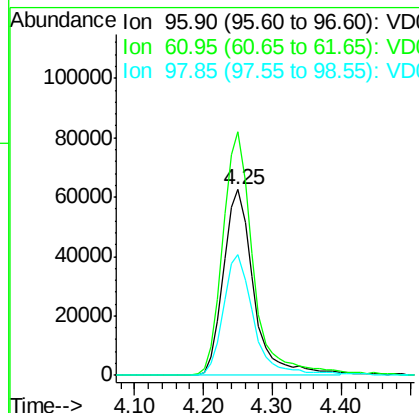
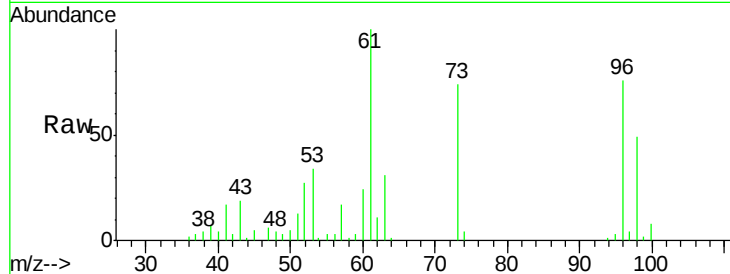
ClientSampleId :

VD0304SBS01

Tot Ion:	96	Resp:	190923
Ion	Ratio	Lower	Upper
96	100		
61	131.0	103.4	155.2
98	64.6	53.6	80.4

Manual Integrations
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MMDadoda
3/5/2019 10:49:21 AM



#22

Diisopropyl ether

Concen: 19.246 ug/l

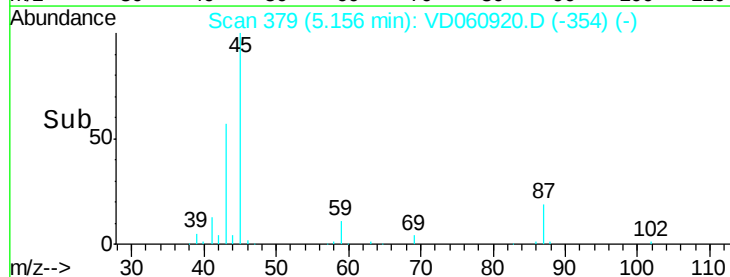
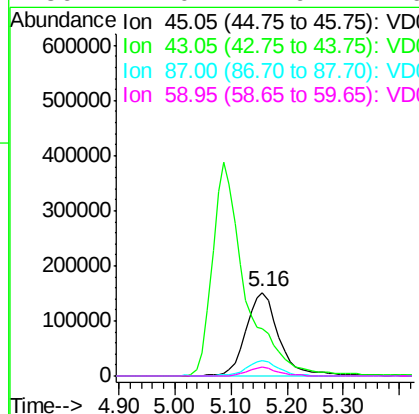
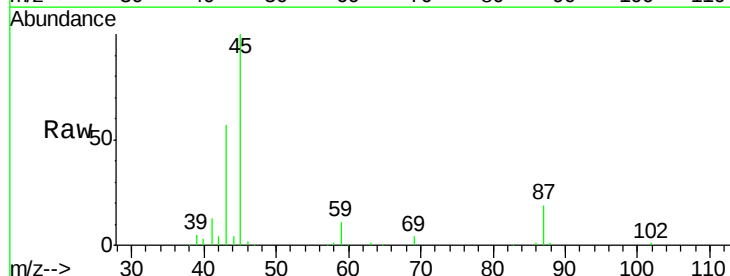
RT: 5.16 min Scan# 379

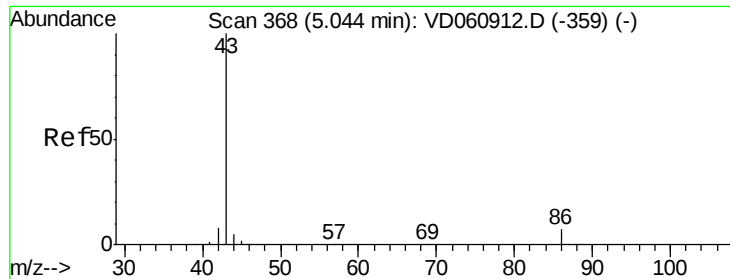
Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion:	45	Resp:	609586
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.4	66.6
87	18.9	14.7	22.1
59	11.0	7.9	11.9





#23

Vinyl Acetate

Concen: 93.654 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 1557748

Ion Ratio Lower Upper

43 100

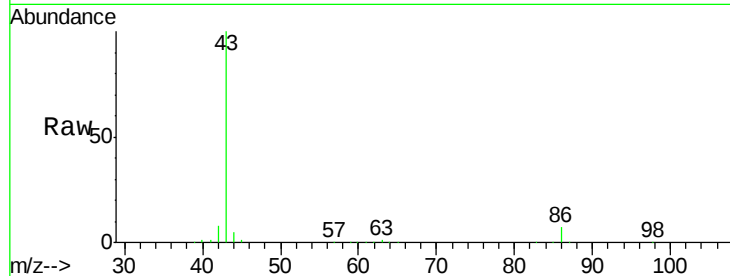
86 7.0 5.8 8.8

Manual Integrations

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MMDadoda

3/5/2019 10:49:21 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

400000

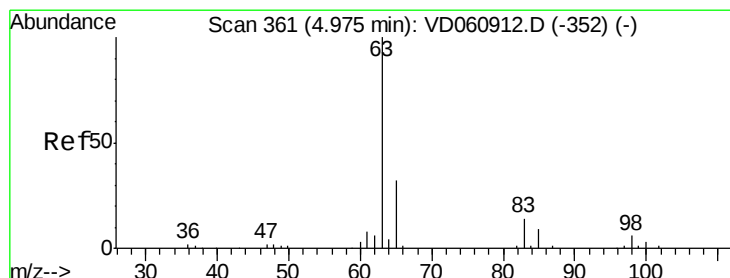
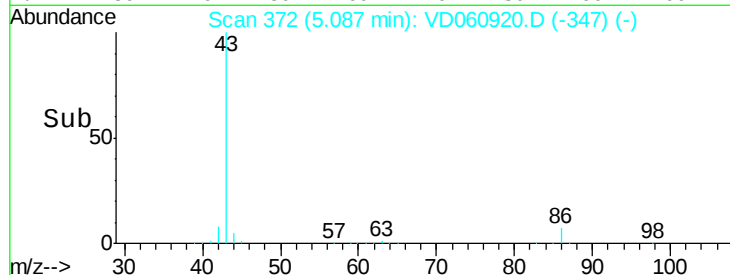
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.791 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

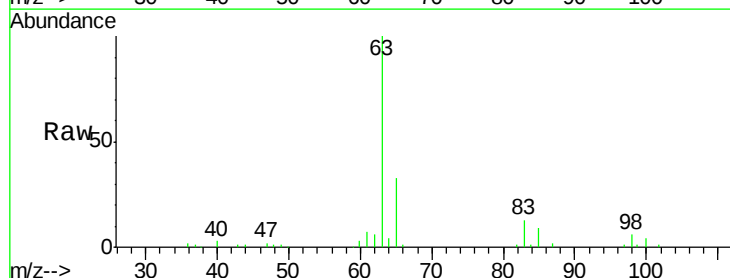
Tgt Ion: 63 Resp: 317425

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.5 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

120000

100000

80000

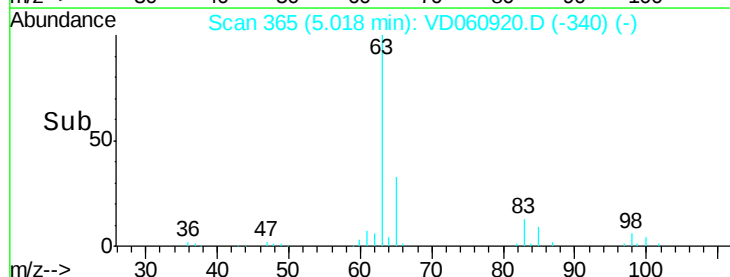
60000

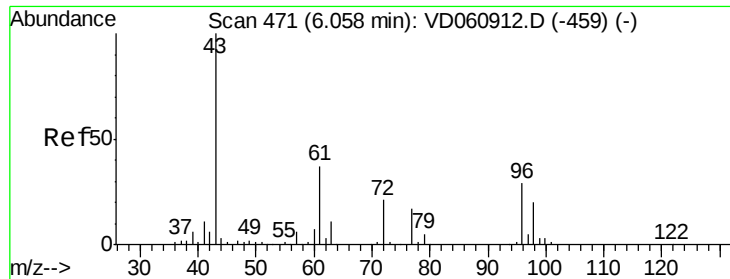
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.733 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 258580

Ion Ratio Lower Upper

43 100

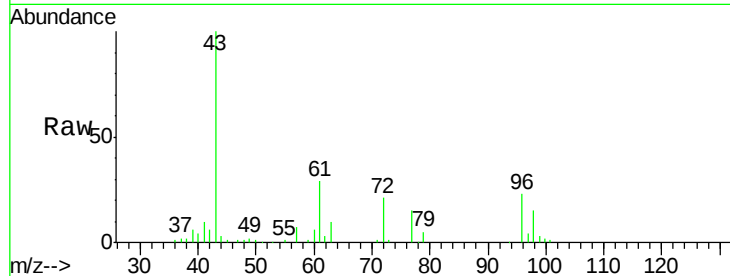
72 21.1 17.0 25.4

Manual Integrations

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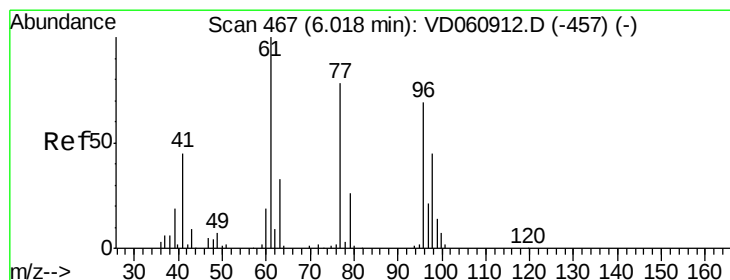
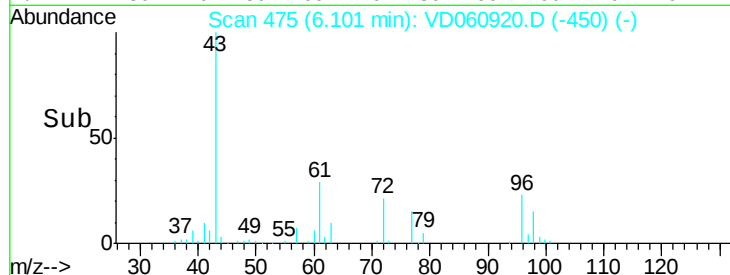
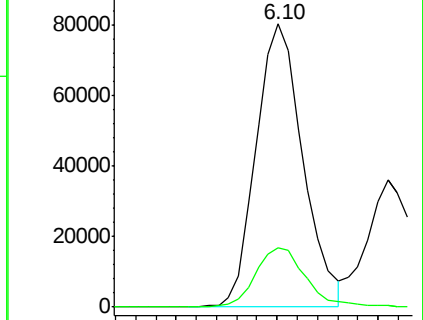
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.852 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD060920.D

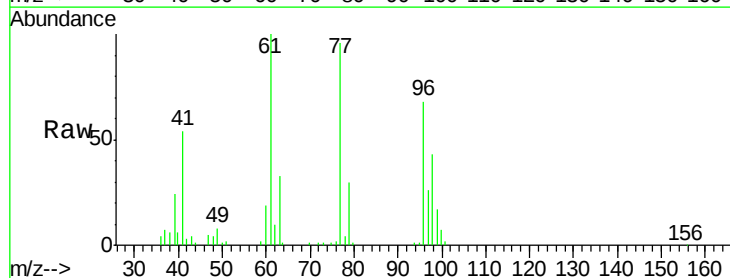
Acq: 4 Mar 2019 13:41

Tgt Ion: 77 Resp: 249118

Ion Ratio Lower Upper

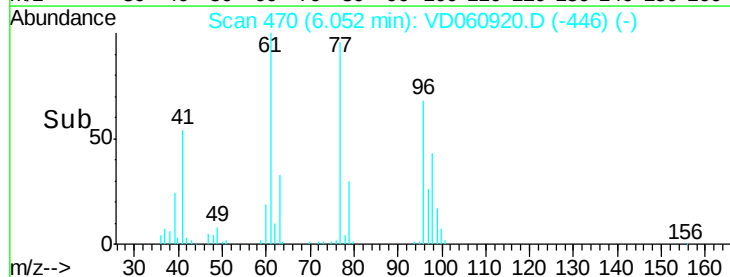
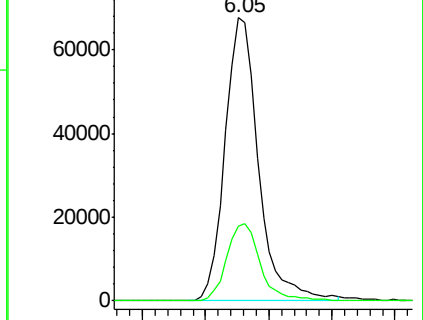
77 100

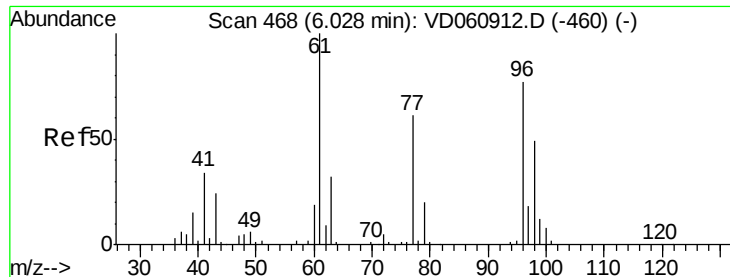
97 26.5 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

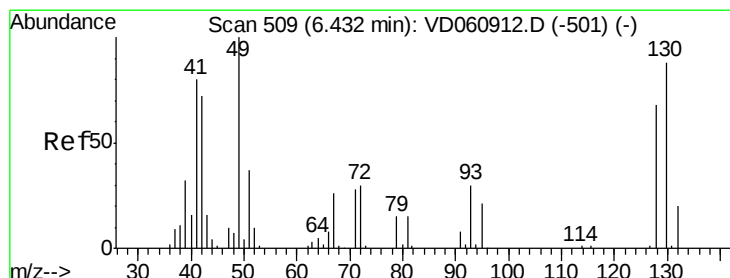
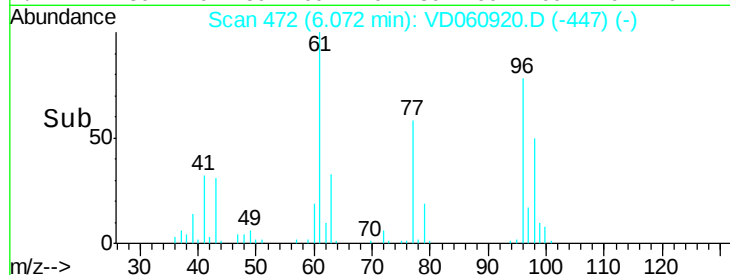
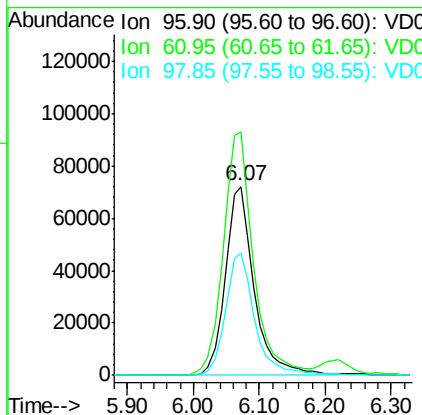
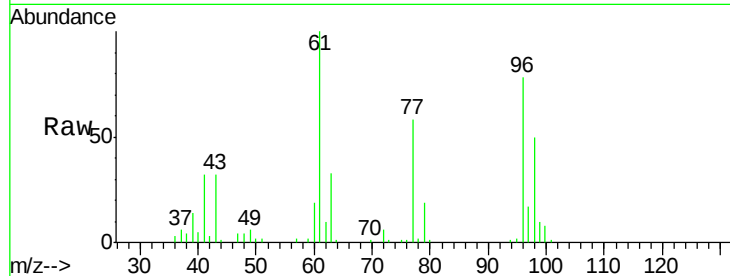
cis-1,2-Dichloroethene
Concen: 19.571 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220931		
61	128.8	0.0	258.8	
98	64.8	0.0	126.4	

Manual Integrations
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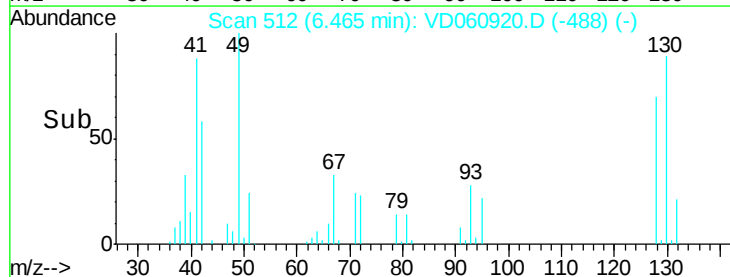
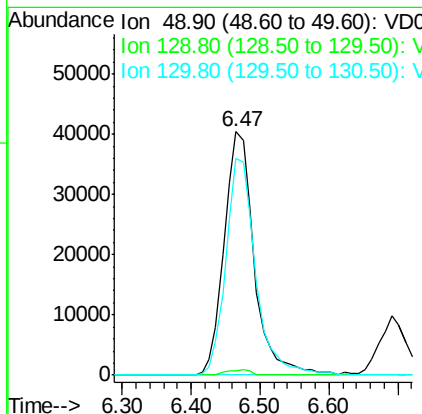
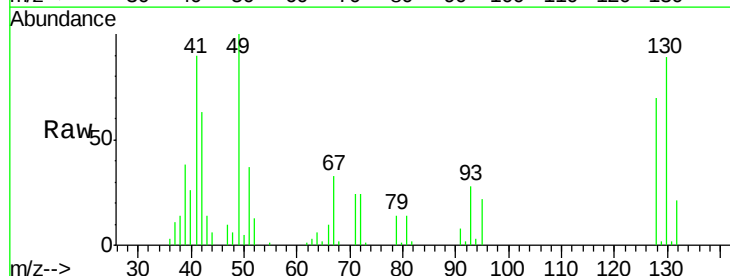
MMDadoda
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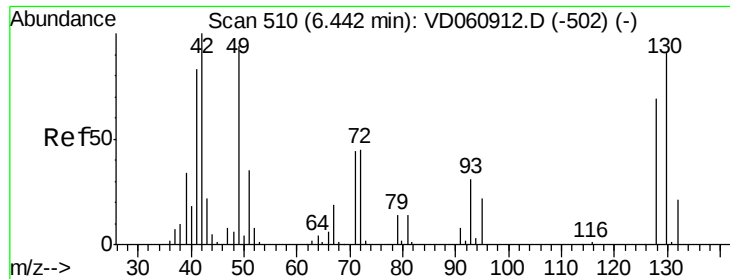


#28

Bromochloromethane
Concen: 17.196 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122014		
129	1.9	0.0	0.0#	
130	89.0	70.4	105.6	





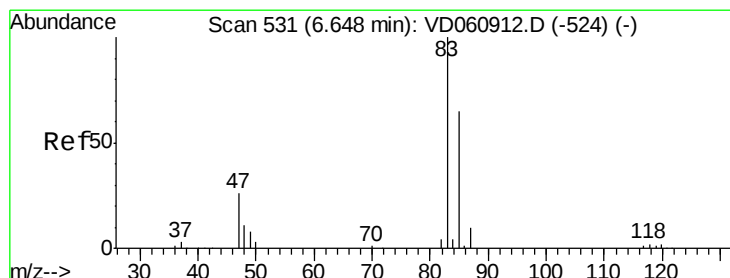
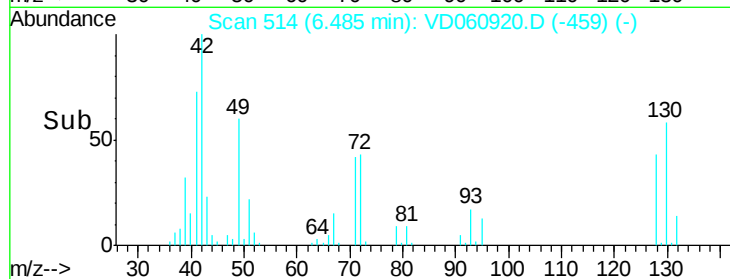
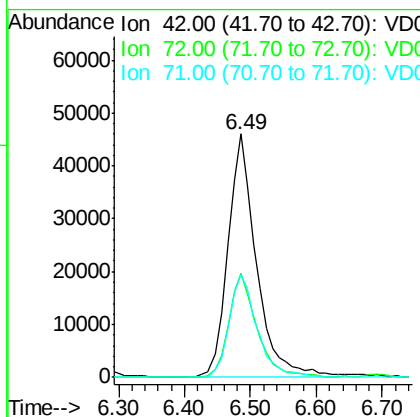
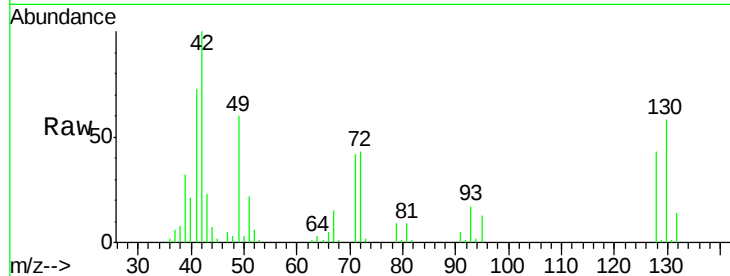
#29
Tetrahydrofuran
Concen: 98.881 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	41.9	33.5	50.3

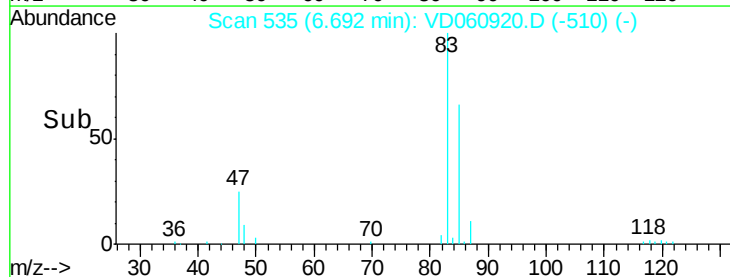
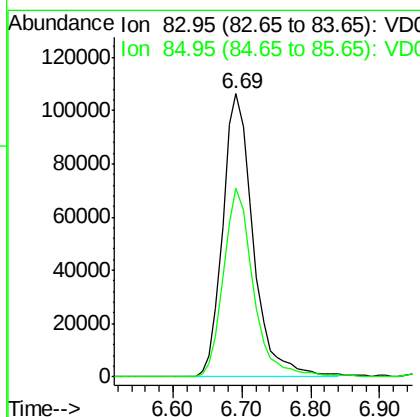
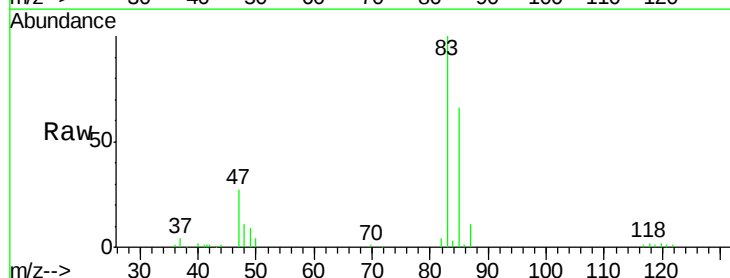
Manual Integrations
APPROVED

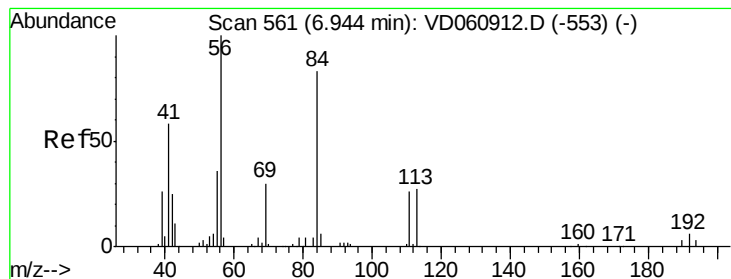
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#30
Chloroform
Concen: 19.830 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.7	77.5





#31

Cyclohexane

Concen: 20.276 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

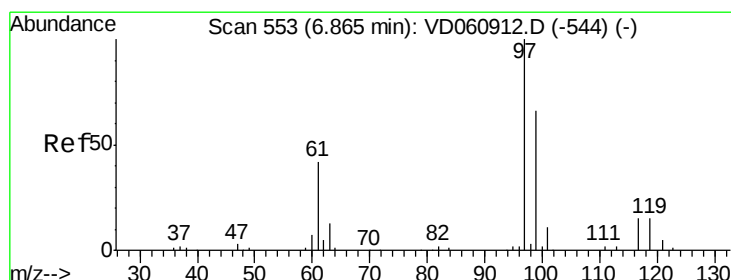
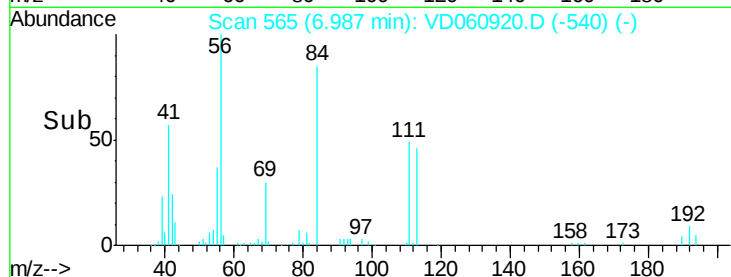
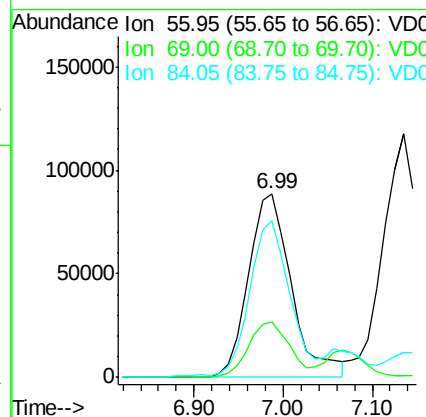
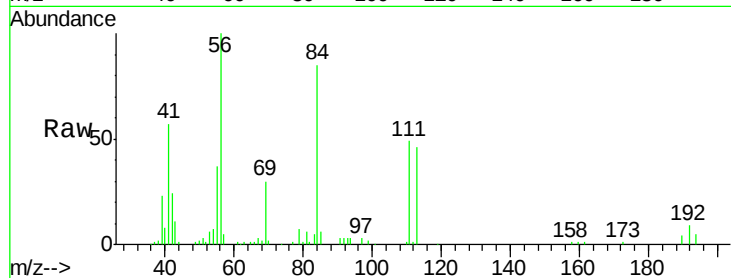
ClientSampleId :

VD0304SBS01

Tot Ion:	56	Resp:	294989
Ion Ratio	Lower	Upper	
56	100		
69	30.3	23.6	35.4
84	85.0	66.5	99.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.404 ug/l

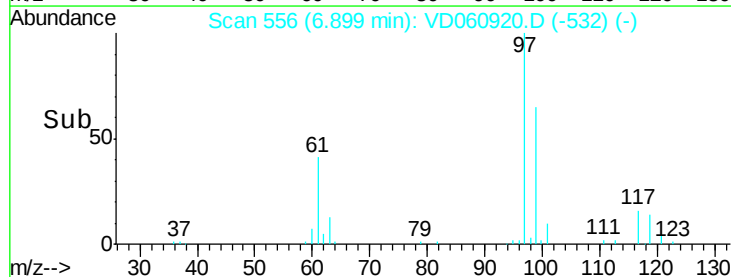
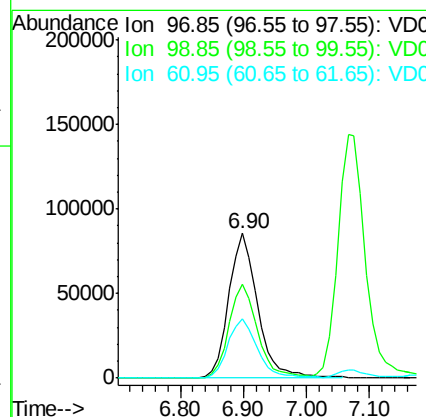
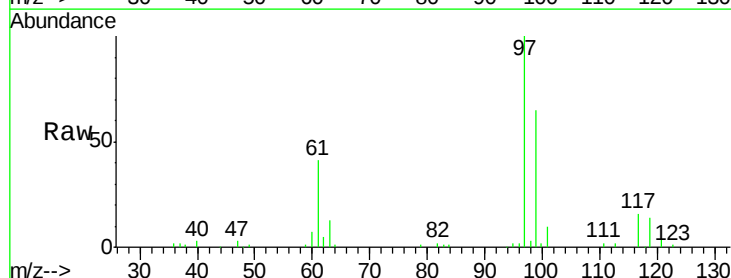
RT: 6.90 min Scan# 556

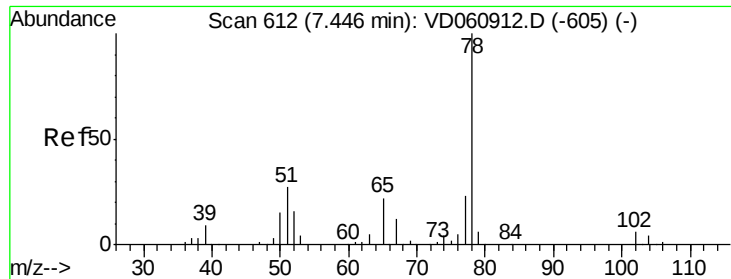
Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion:	97	Resp:	272222
Ion Ratio	Lower	Upper	
97	100		
99	64.9	52.8	79.2
61	40.7	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 19.404 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion: 65 Resp: 353898

Ion Ratio Lower Upper

65 100

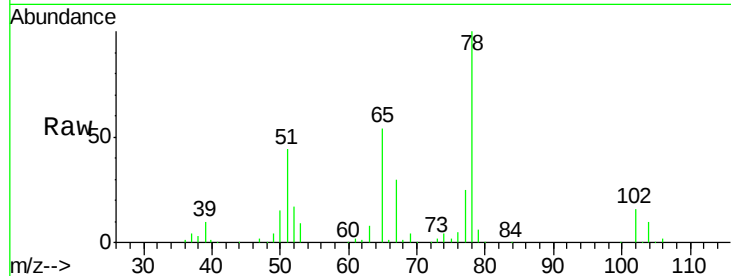
67 55.7 0.0 109.4

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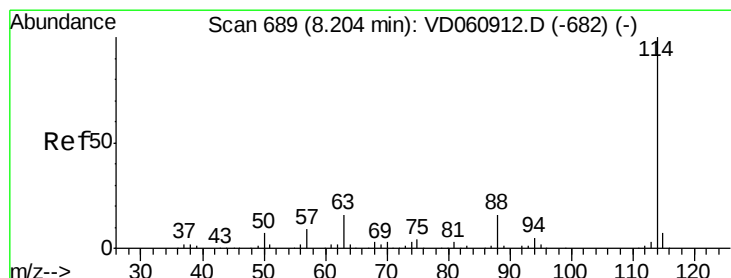
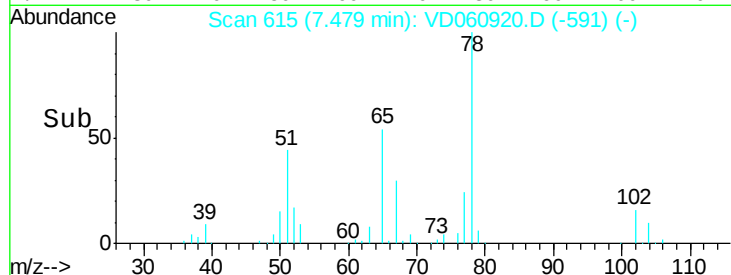
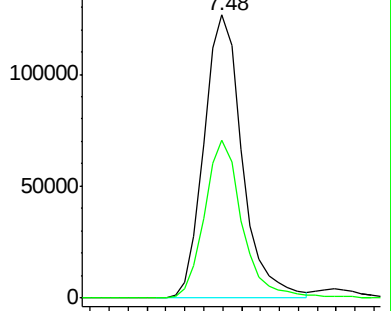
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

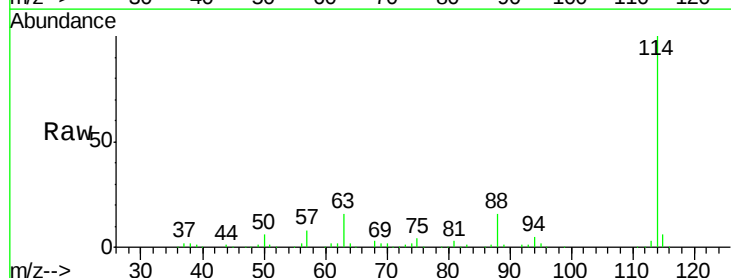
Tgt Ion: 114 Resp: 1363407

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.0

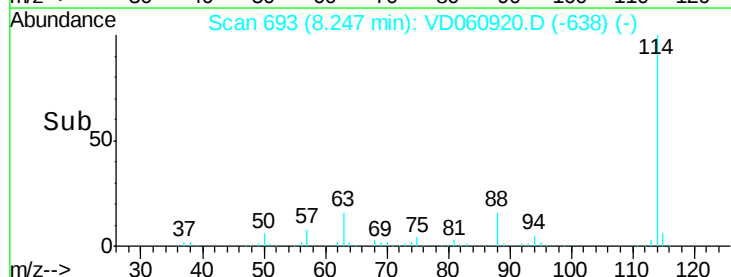
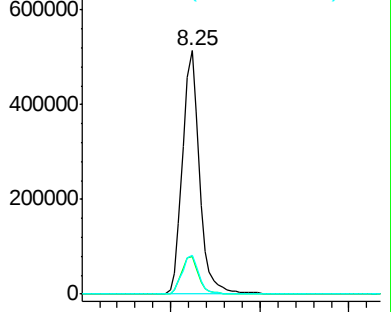
88 15.7 0.0 32.8

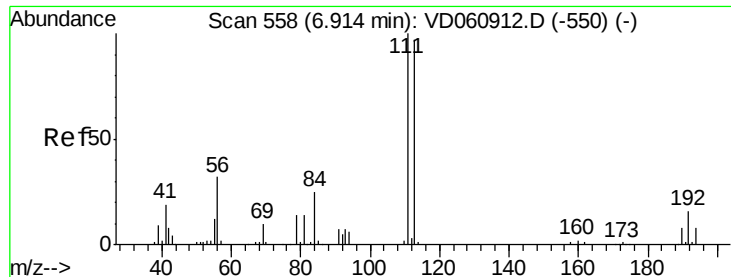


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion:113 Resp: 538686

Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

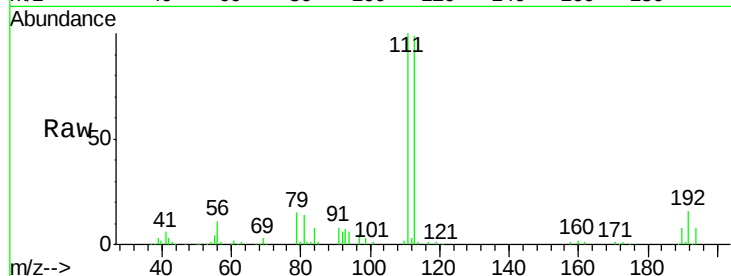
192 15.8 13.4 20.2

Manual Integrations

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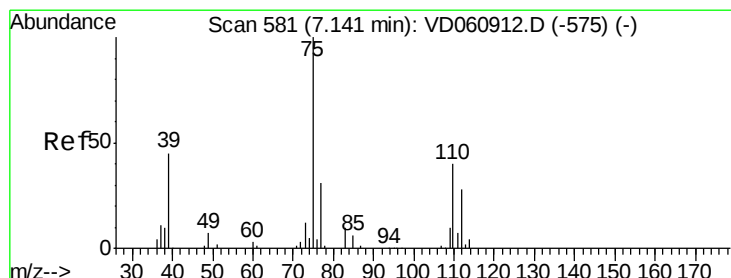
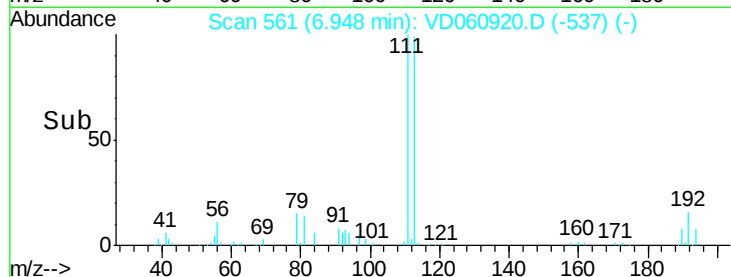
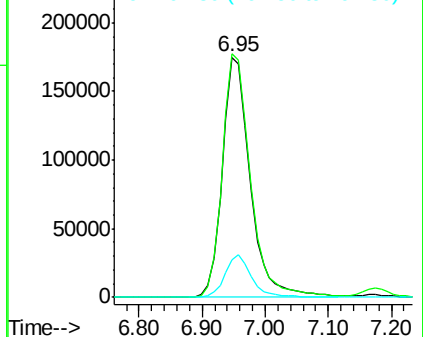
3/5/2019 10:49:21 AM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.930 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

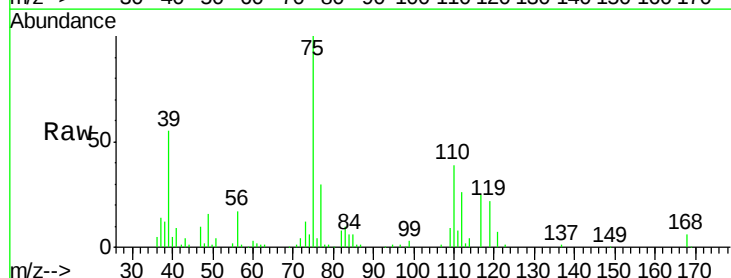
Tgt Ion: 75 Resp: 249828

Ion Ratio Lower Upper

75 100

110 39.3 19.9 59.7

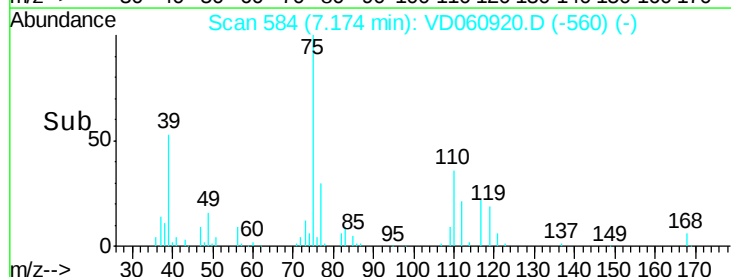
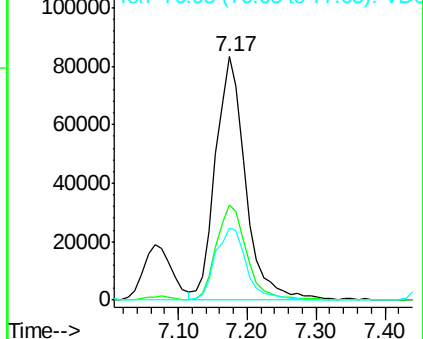
77 29.7 25.0 37.6

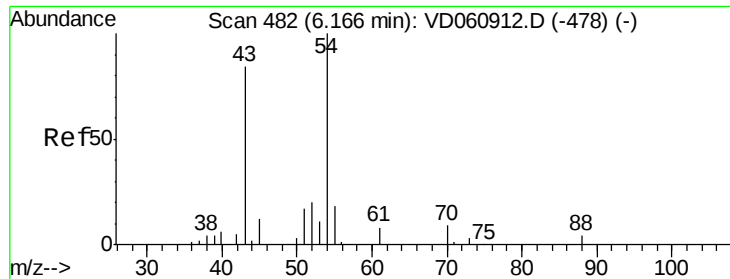


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





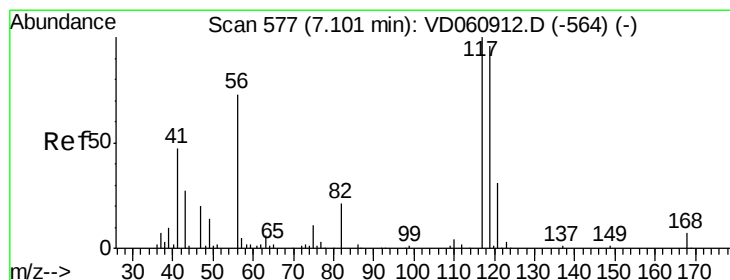
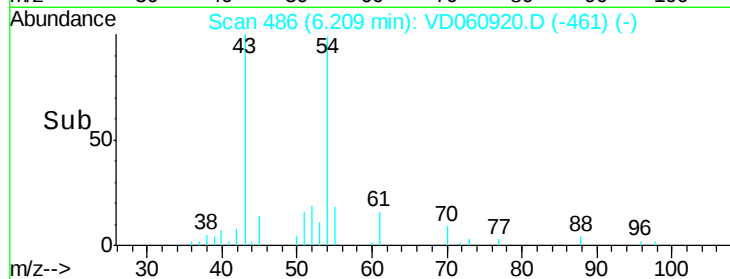
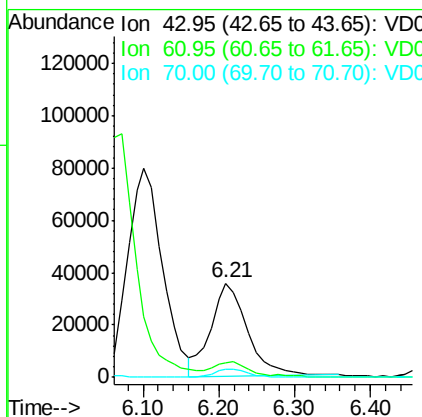
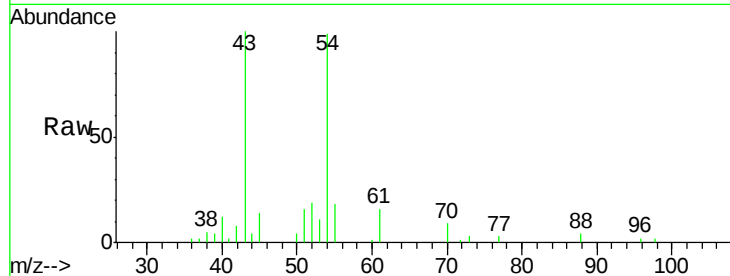
#37
Ethyl Acetate
Concen: 18.552 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.1	18.1
70	9.0	7.3	10.9

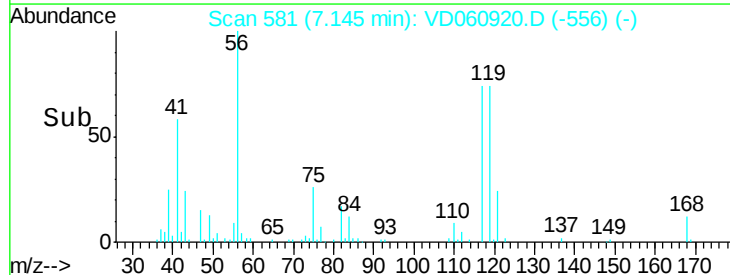
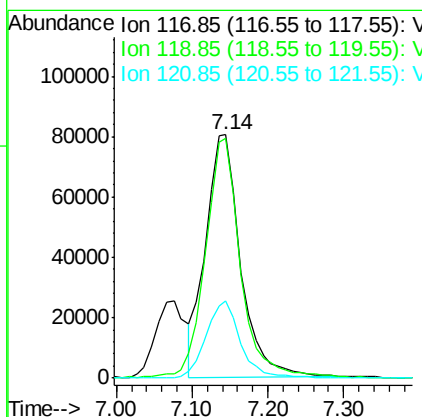
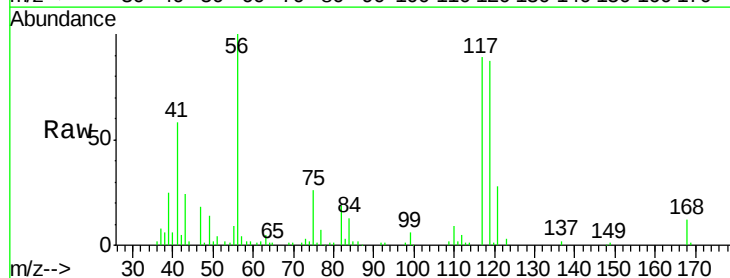
Manual Integrations
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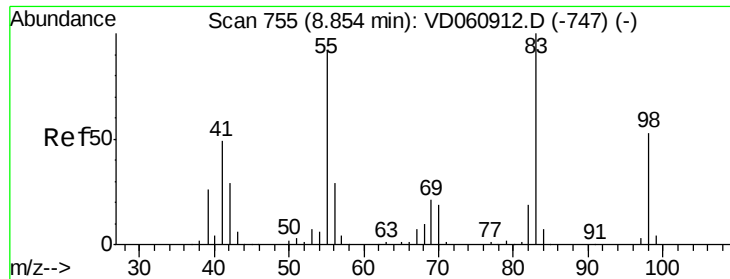
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#38
Carbon Tetrachloride
Concen: 19.268 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.04 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.9	115.3
121	31.6	24.5	36.7





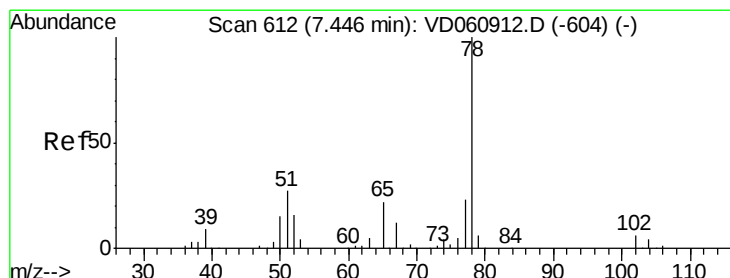
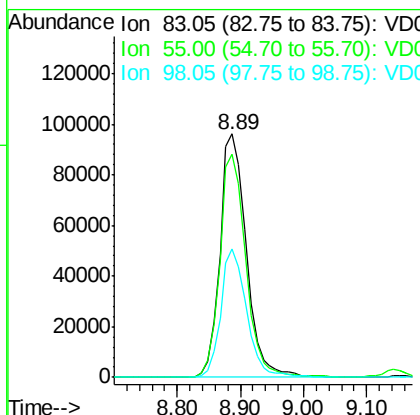
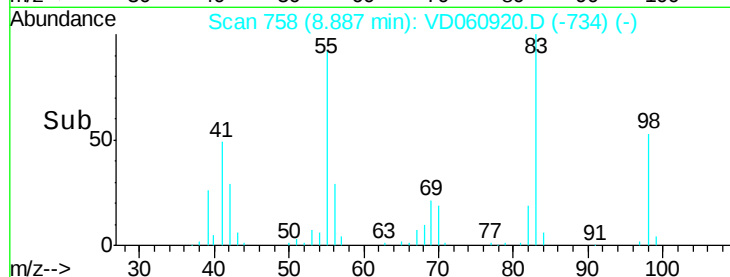
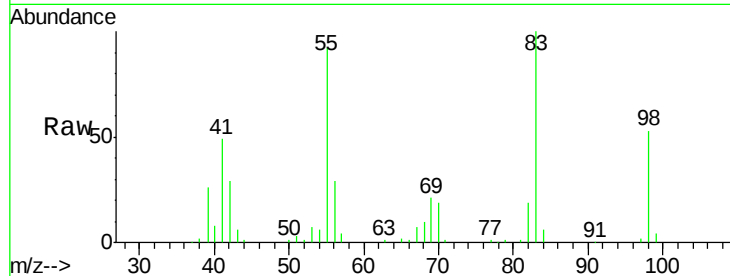
#39
Methvlcvclohexane
Concen: 20.501 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	280917		
55	91.6		73.8	110.8
98	52.8		42.4	63.6

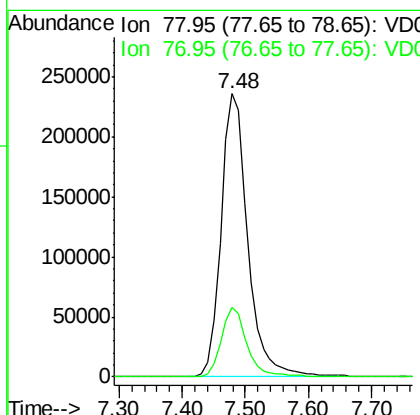
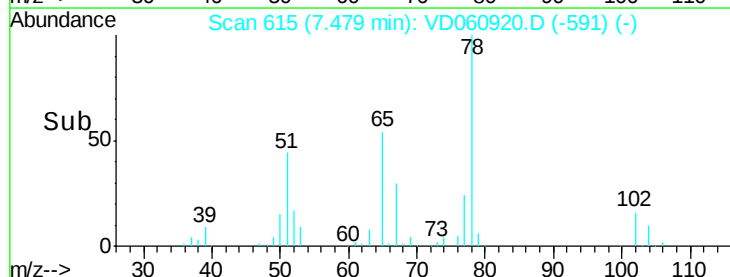
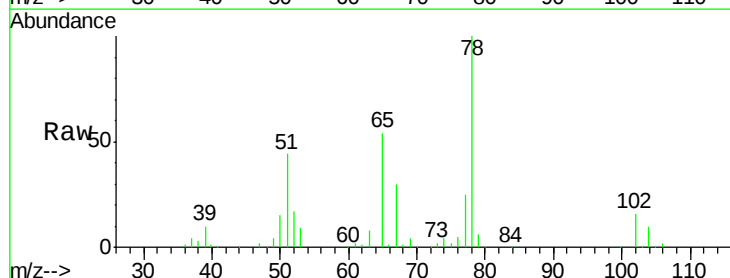
Manual Integrations
APPROVED

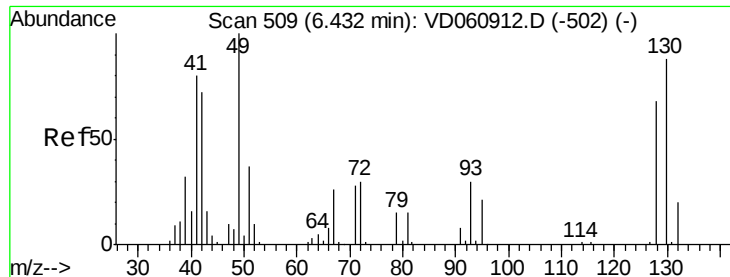
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#40
Benzene
Concen: 21.653 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	691257		
77	24.6		18.4	27.6





#41

Methacrylonitrile

Concen: 20.206 ug/l m

RT: 6.48 min Scan# 513

Delta R.T. 0.04 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 41 Resp: 81346

Ion Ratio Lower Upper

41 100

39 42.4 32.1 48.1

67 28.8 25.6 38.4

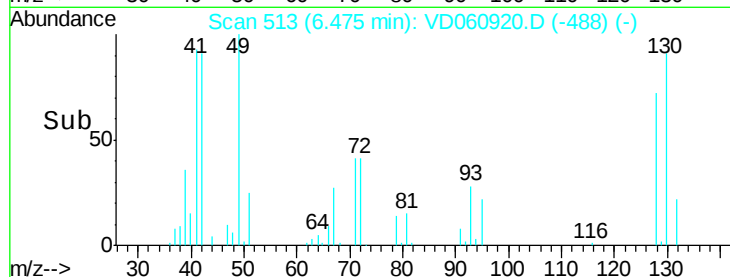
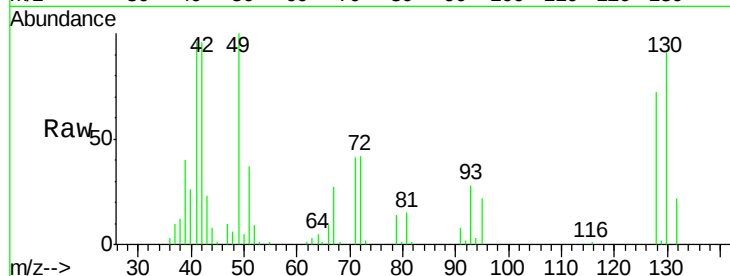
52 9.8 9.7 14.5

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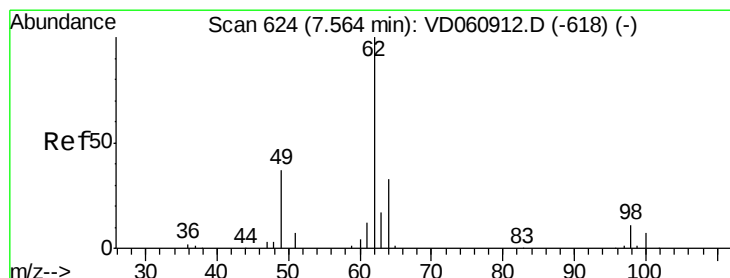
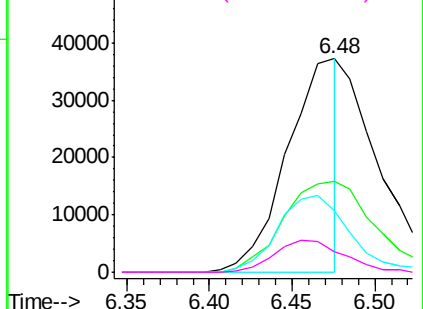


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.536 ug/l

RT: 7.61 min Scan# 628

Delta R.T. 0.04 min

Lab File: VD060920.D

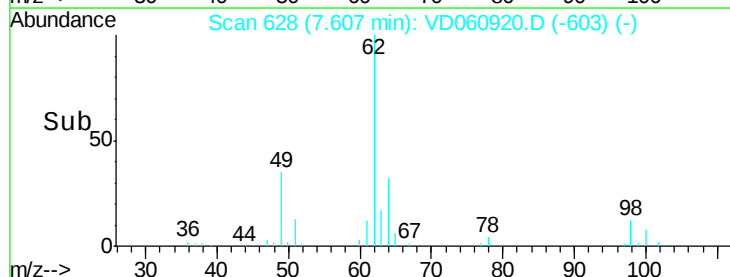
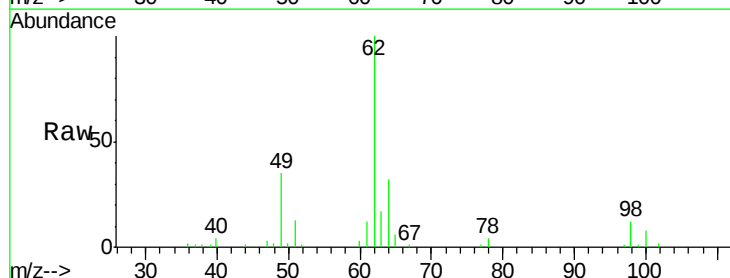
Acq: 4 Mar 2019 13:41

Tgt Ion: 62 Resp: 184467

Ion Ratio Lower Upper

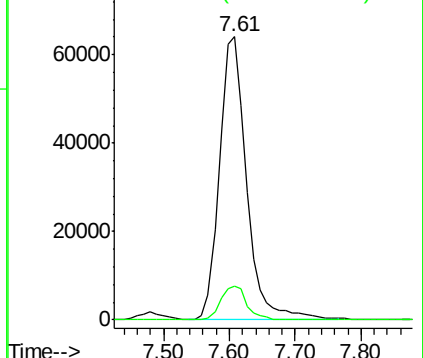
62 100

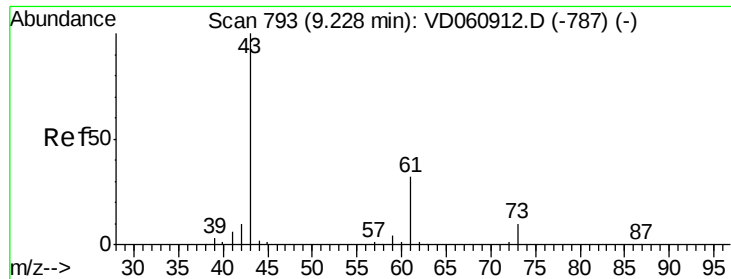
98 12.1 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

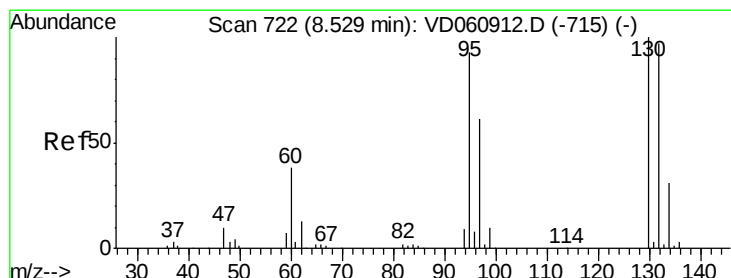
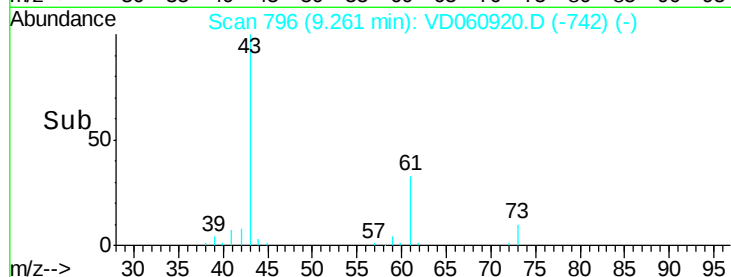
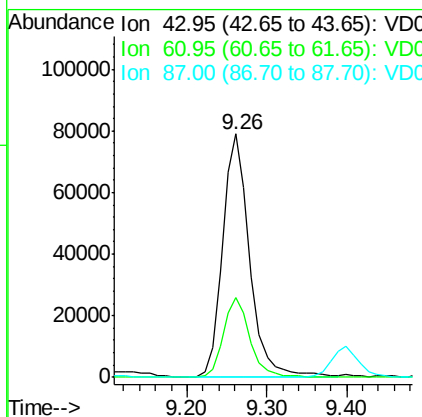
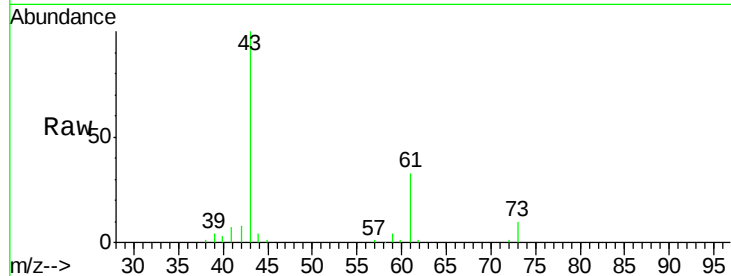
Isopropyl Acetate
 Concen: 20.983 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.6	38.4
87	0.0	0.2	0.4

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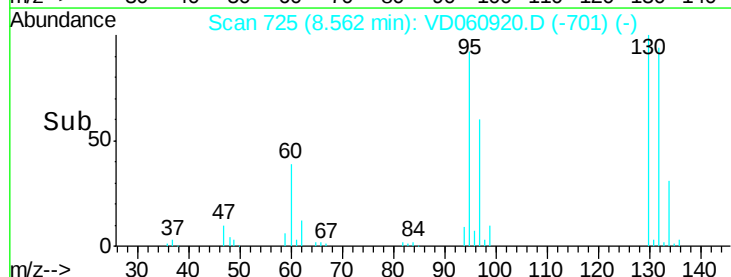
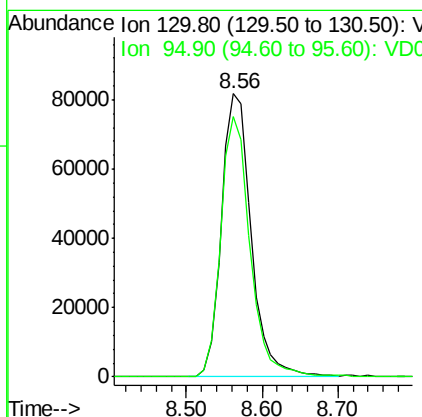
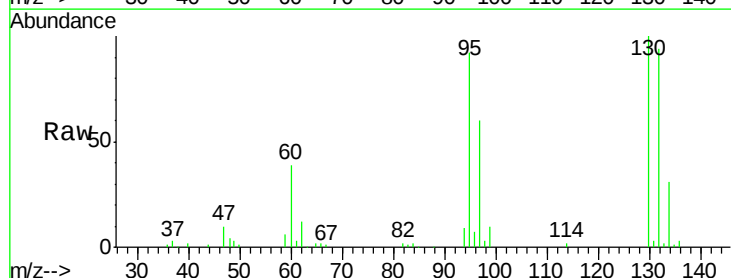
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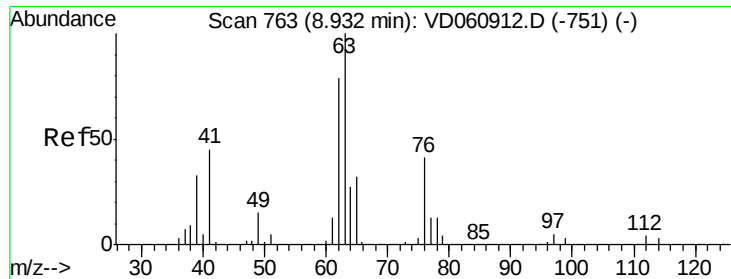


#44

Trichloroethene
 Concen: 20.331 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	185.8





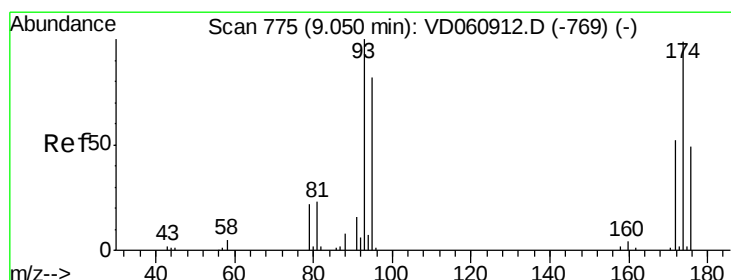
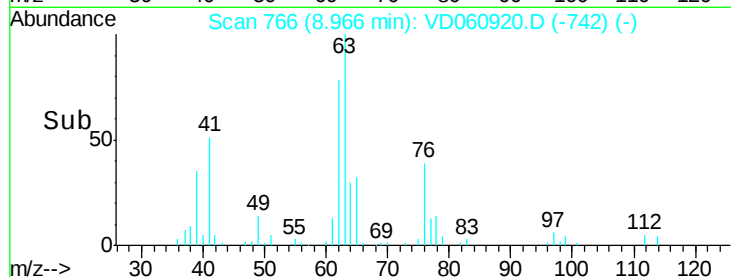
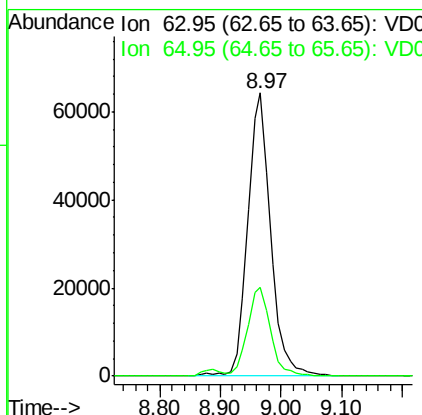
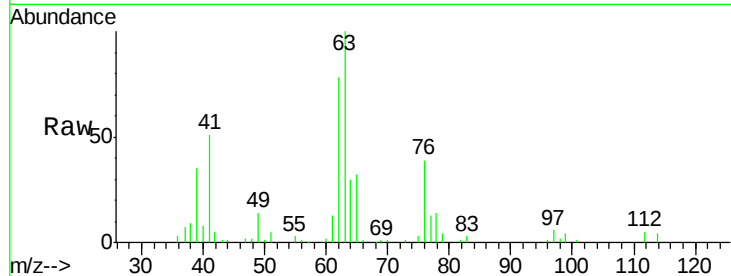
#45
 1,2-Dichloropropane
 Concen: 20.029 ug/l
 RT: 8.97 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion: 63 Resp: 169282
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.8 38.6

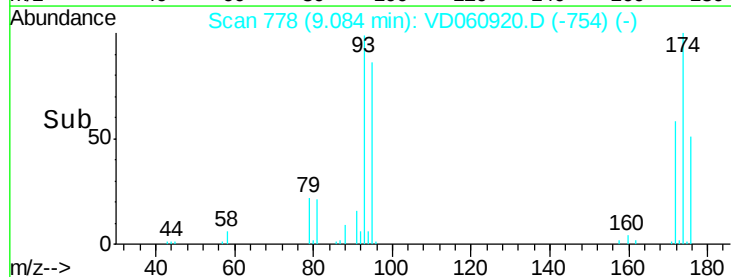
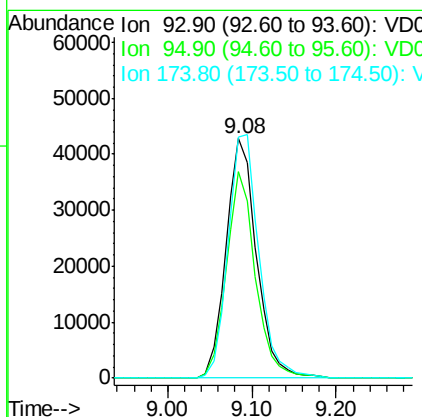
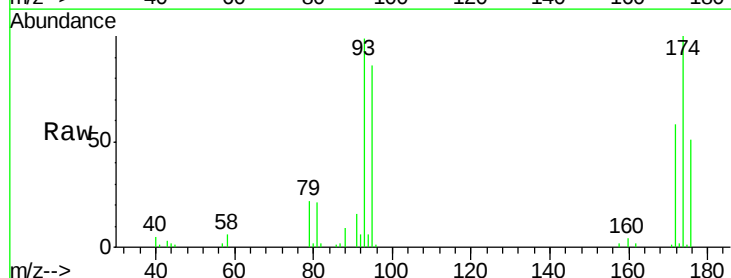
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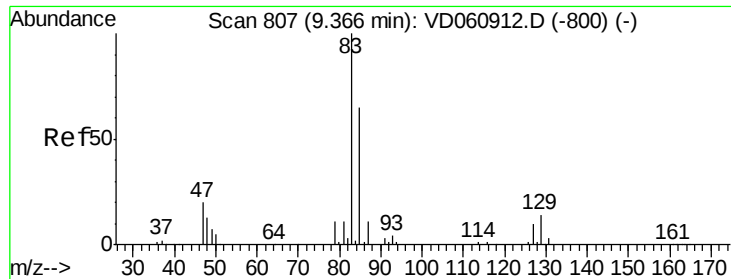
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#46
 Dibromomethane
 Concen: 19.677 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 93 Resp: 107272
 Ion Ratio Lower Upper
 93 100
 95 86.5 65.8 98.6
 174 100.9 79.5 119.3





#47

Bromodichloromethane

Concen: 19.860 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

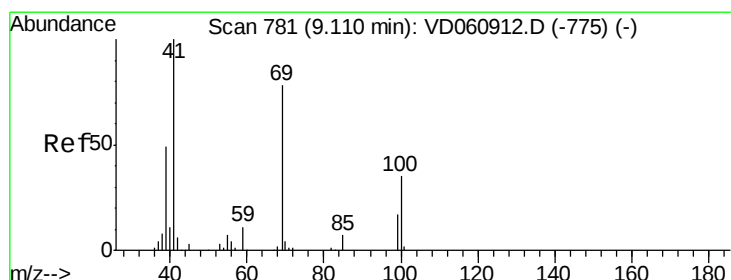
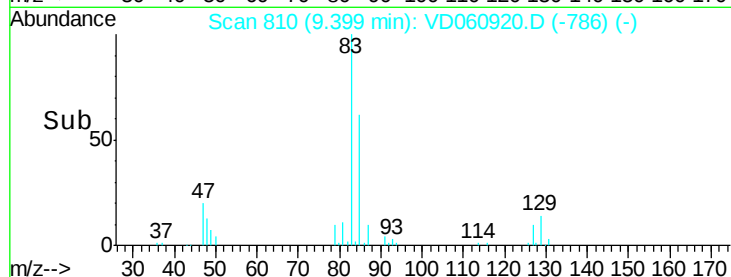
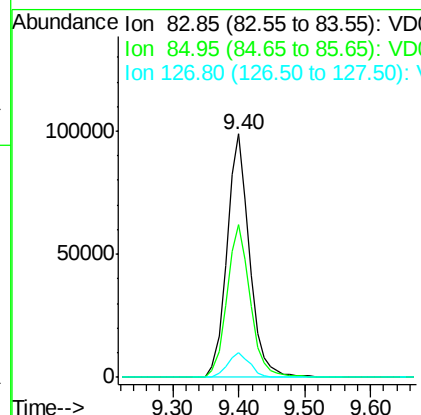
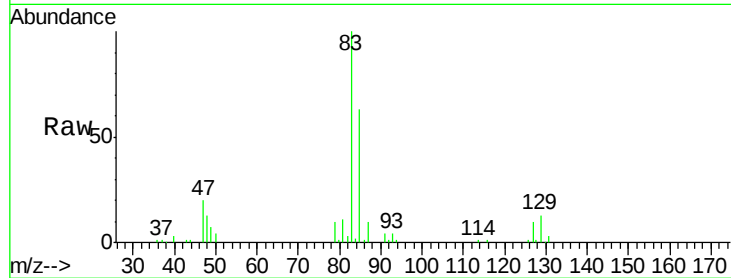
ClientSampleId :

VD0304SBSD01

Tot Ion:	83	Resp:	236169
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.4
127	10.4	8.2	12.4

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#48

Methyl methacrylate

Concen: 19.196 ug/l

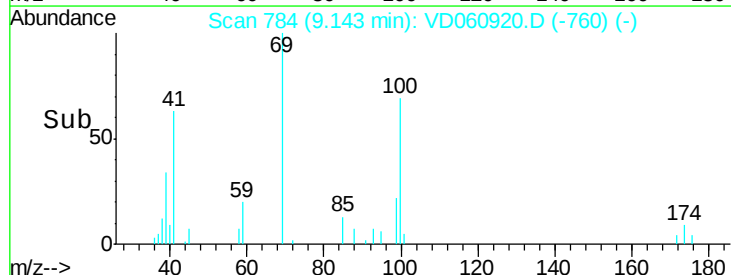
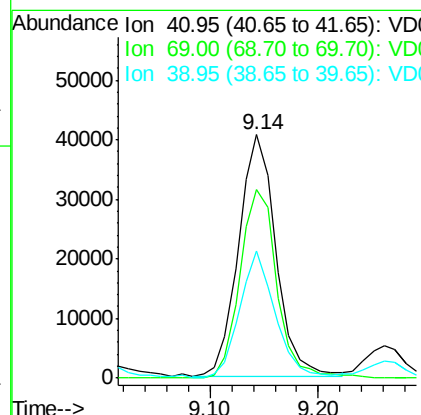
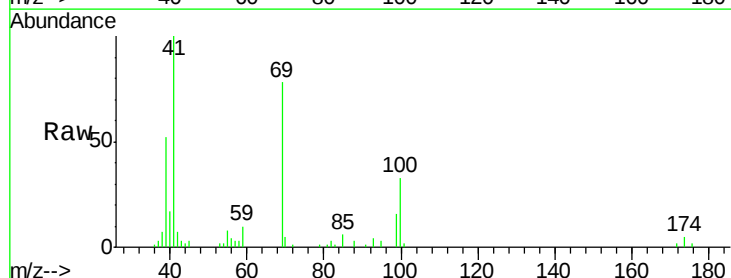
RT: 9.14 min Scan# 784

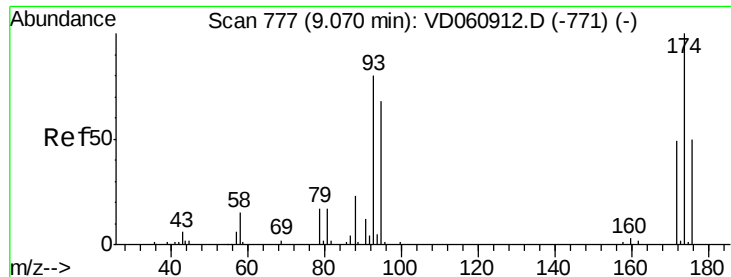
Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion:	41	Resp:	96898
Ion	Ratio	Lower	Upper
41	100		
69	77.6	62.1	93.1
39	52.0	39.5	59.3





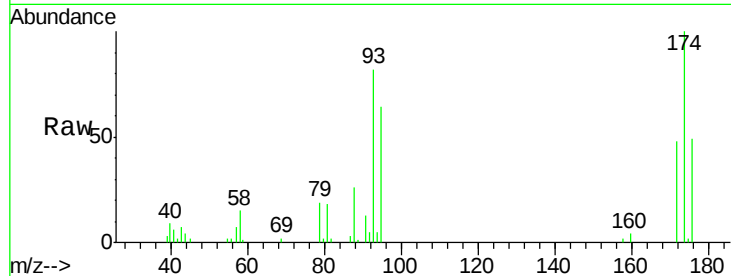
#49
1,4-Dioxane
Concen: 412.263 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

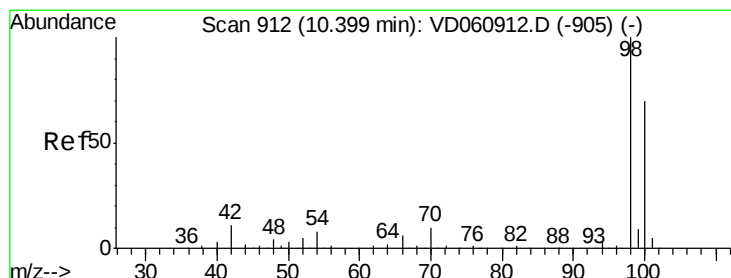
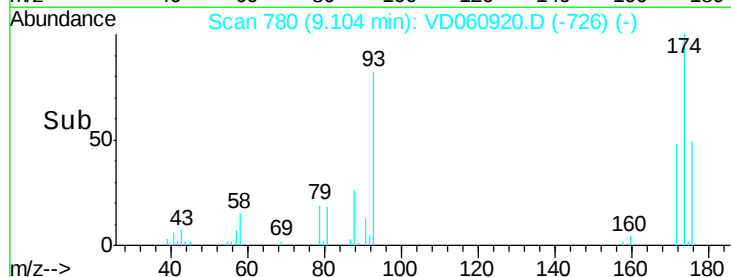
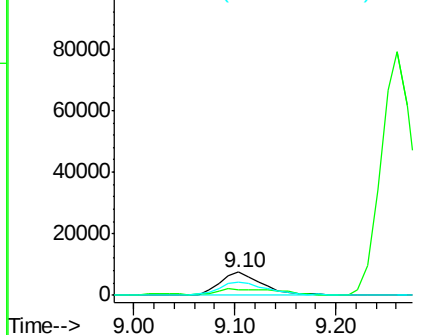
Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	24.2	36.4
58	57.2	51.1	76.7

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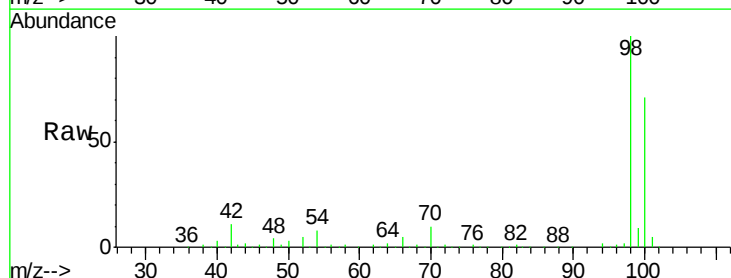


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

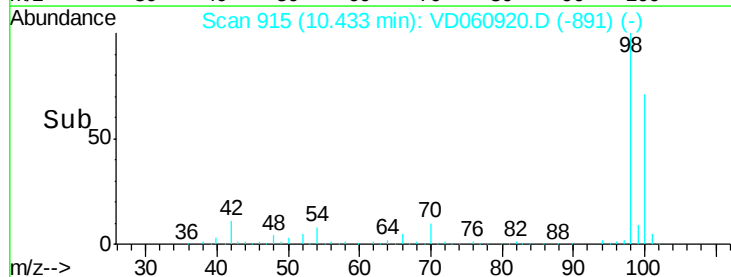
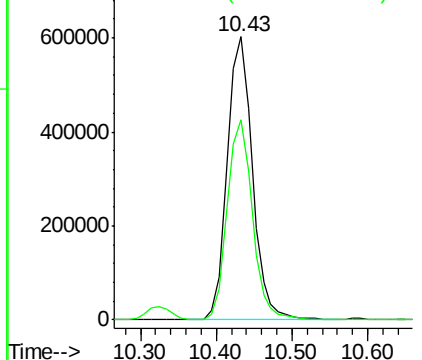


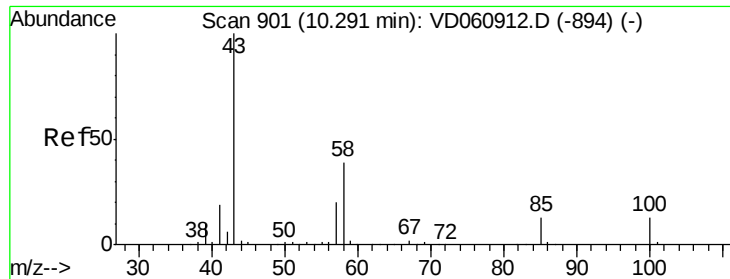
#50
Toluene-d8
Concen: 412.263 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.8	57.0	85.4



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





#51

4-Methyl-2-Pentanone

Concen: 98.094 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleID :

VD0304SBS01

Tot Ion: 43 Resp: 536600

Ion Ratio Lower Upper

43 100

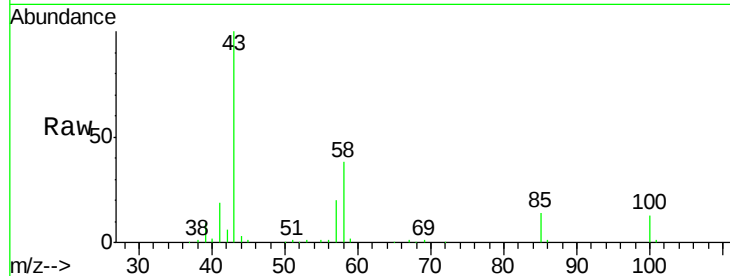
58 38.3 31.0 46.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

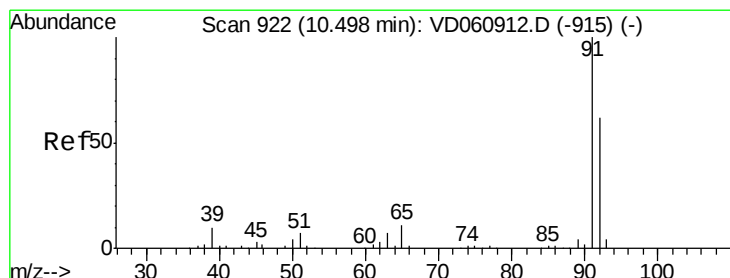
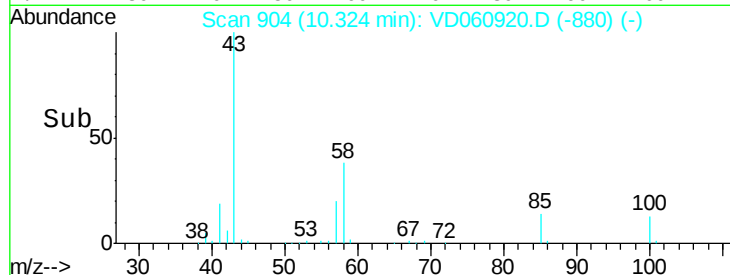
0

10.32

10.30

10.40

Time-->



#52

Toluene

Concen: 19.201 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD060920.D

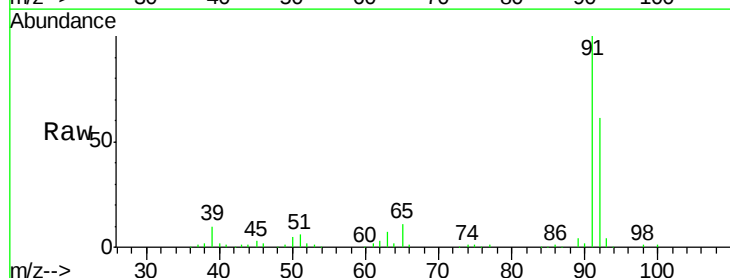
Acq: 4 Mar 2019 13:41

Tgt Ion: 92 Resp: 393821

Ion Ratio Lower Upper

92 100

91 164.3 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

0

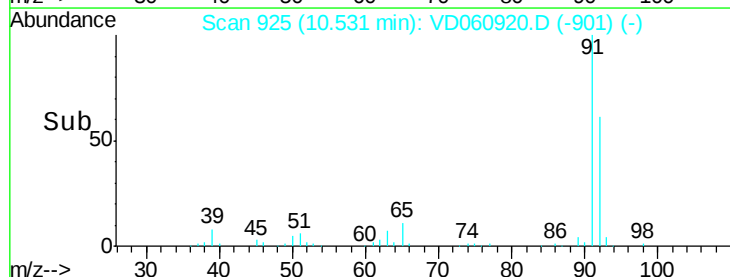
10.53

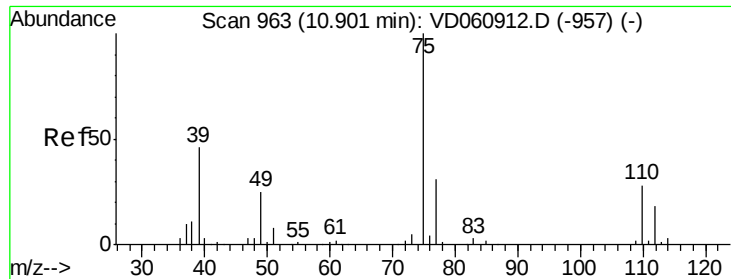
10.50

10.60

10.70

Time-->





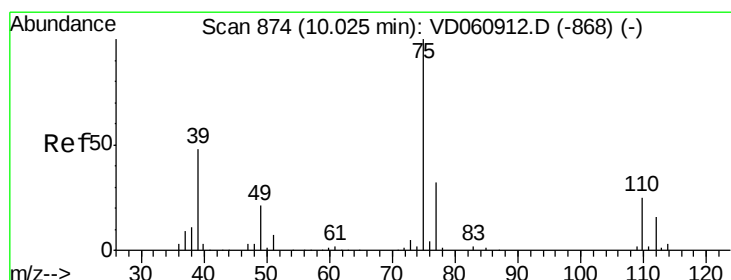
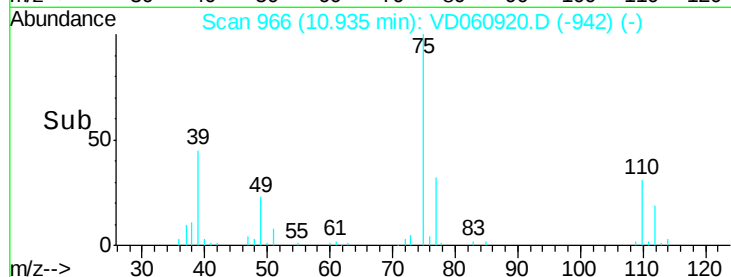
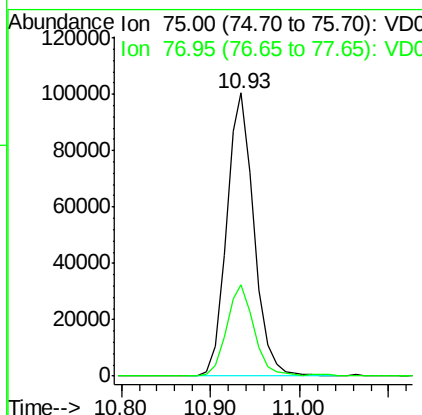
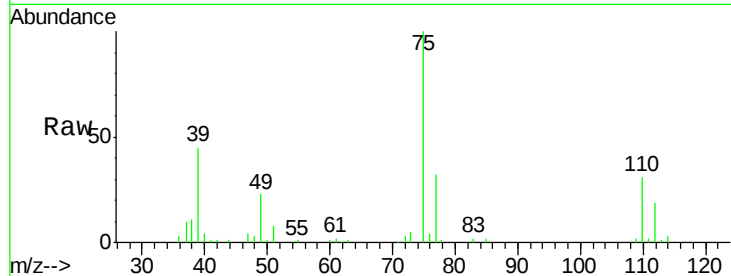
#53
 t-1,3-Dichloropropene
 Concen: 19.712 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		215707		
77	32.5		24.9		37.3

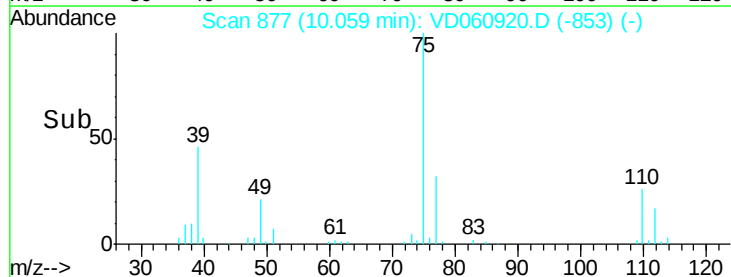
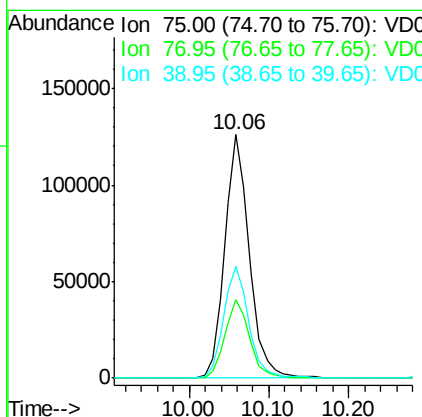
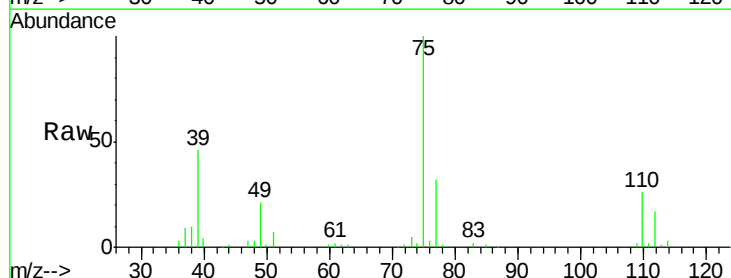
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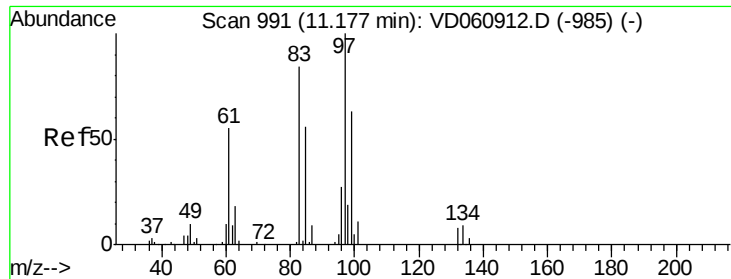
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#54
 cis-1,3-Dichloropropene
 Concen: 20.153 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		273465		
77	32.4		25.3		37.9
39	45.8		38.2		57.4





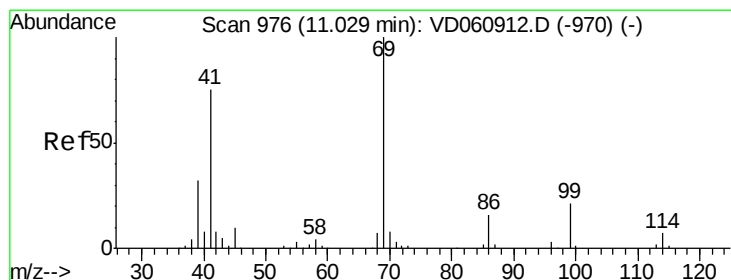
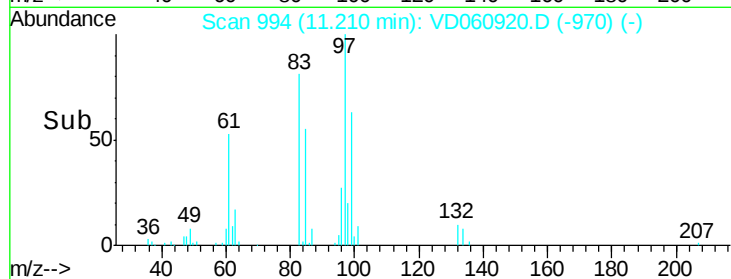
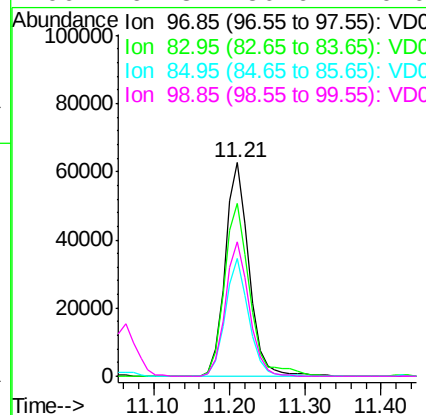
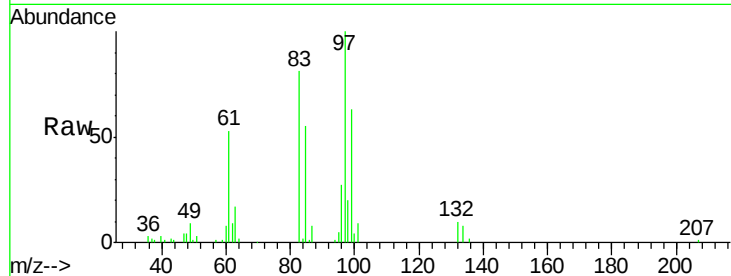
#55
 1,1,2-Trichloroethane
 Concen: 20.214 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion:	97	Resp:	137105
Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.5	101.3
85	55.0	44.9	67.3
99	62.8	50.6	76.0

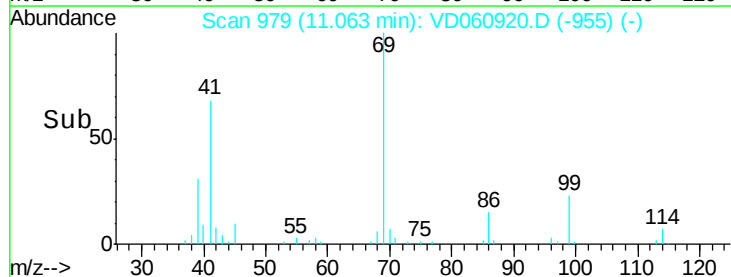
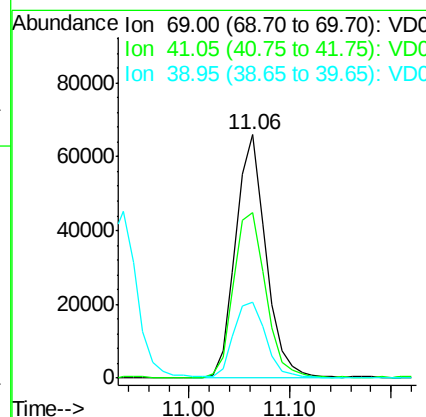
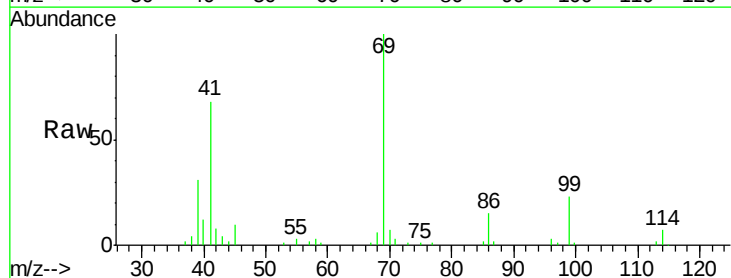
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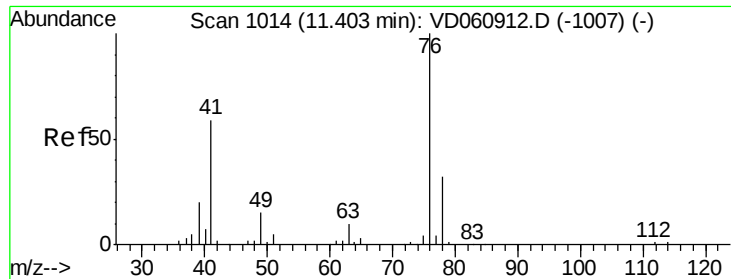
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#56
 Ethyl methacrylate
 Concen: 19.210 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion:	69	Resp:	138129
Ion	Ratio	Lower	Upper
69	100		
41	68.1	59.9	89.9
39	31.1	25.7	38.5





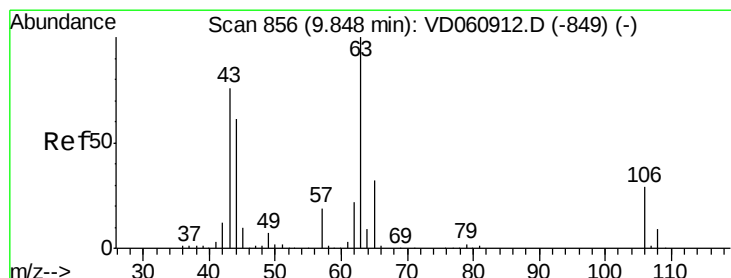
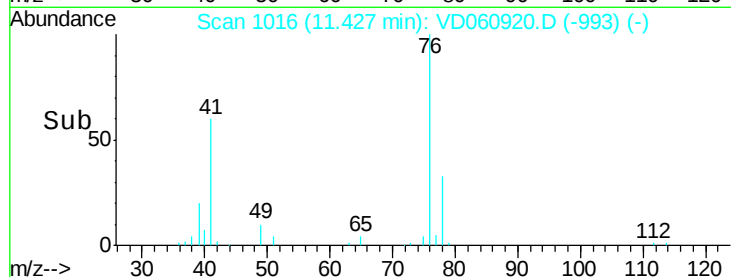
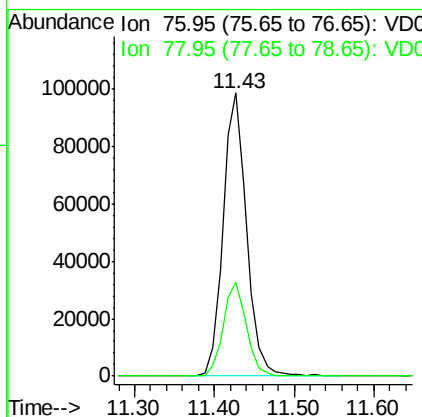
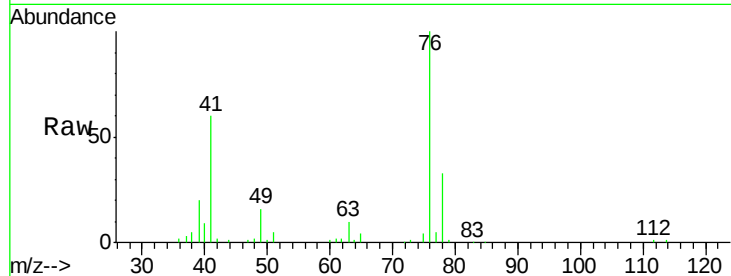
#57
 1,3-Dichloropropane
 Concen: 20.677 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion: 76 Resp: 203907
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.6 38.4

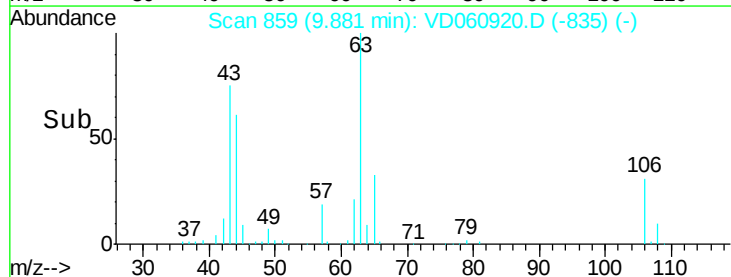
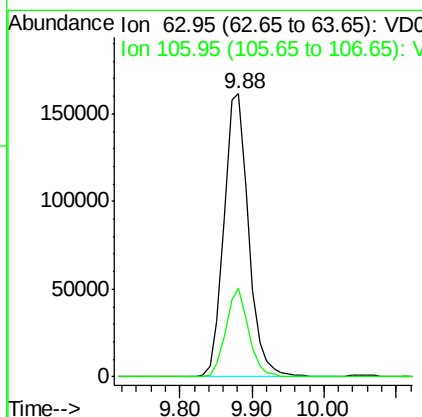
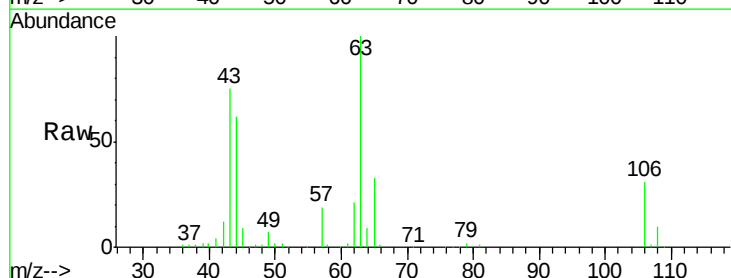
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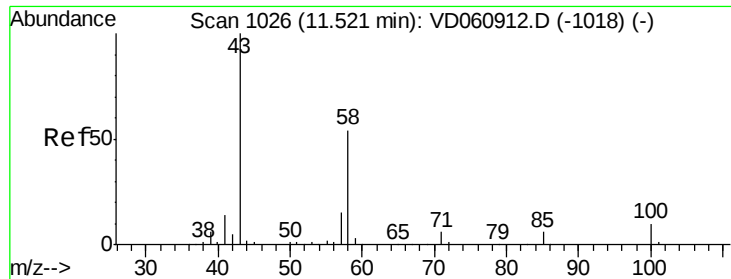
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.747 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion: 63 Resp: 383054
 Ion Ratio Lower Upper
 63 100
 106 31.4 23.0 34.6





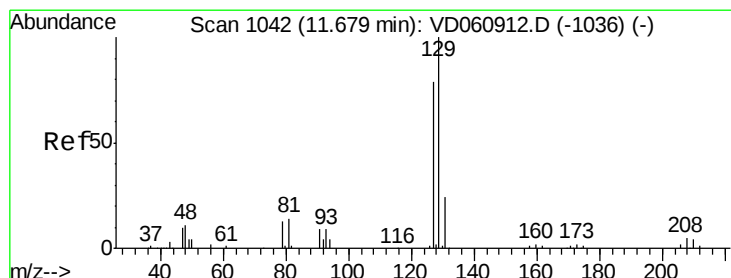
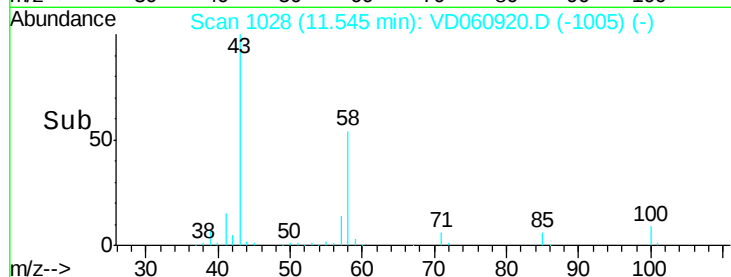
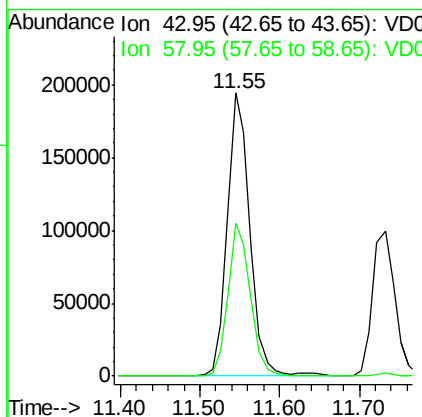
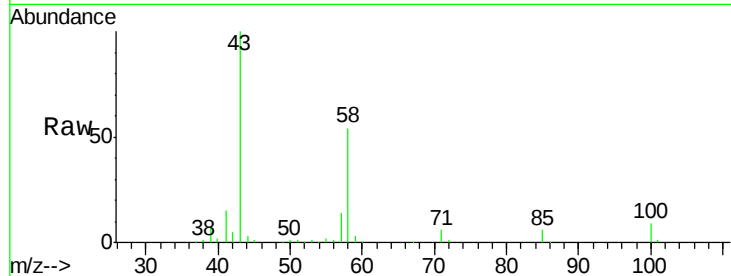
#59
2-Hexanone
Concen: 101.343 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 43 Resp: 388614
Ion Ratio Lower Upper
43 100
58 53.9 27.2 81.5

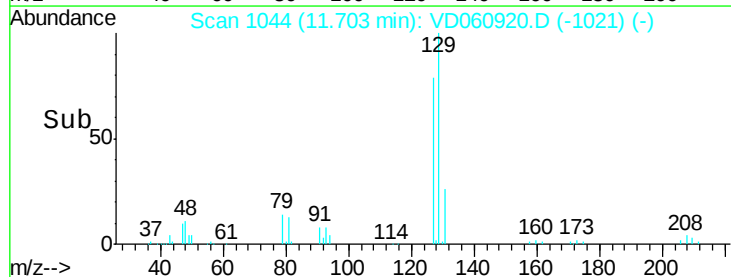
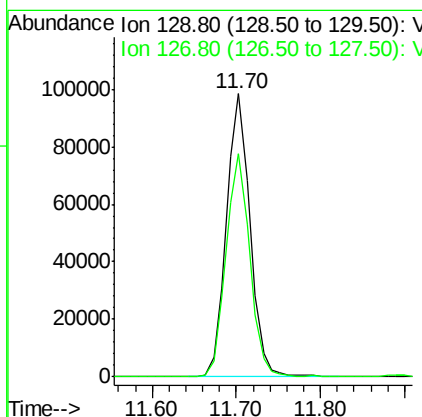
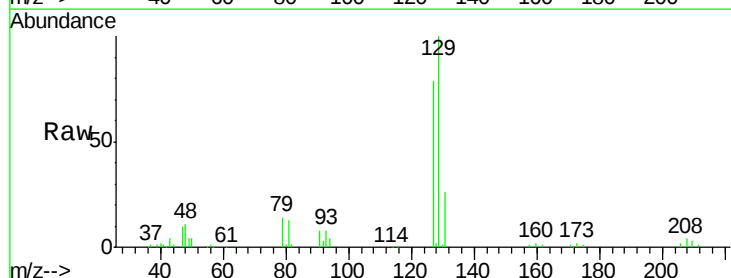
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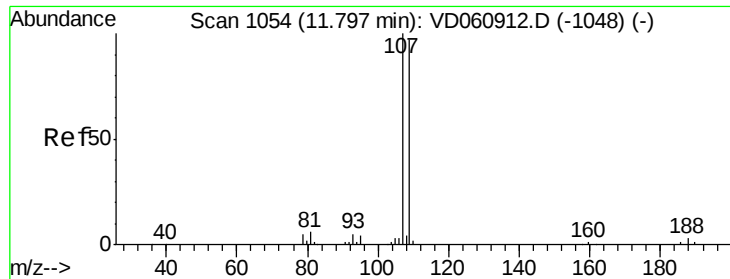
MMDadoda
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#60
Dibromochloromethane
Concen: 19.638 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 129 Resp: 192111
Ion Ratio Lower Upper
129 100
127 78.9 39.4 118.1





#61

1,2-Dibromoethane

Concen: 19.890 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion:107 Resp: 158490

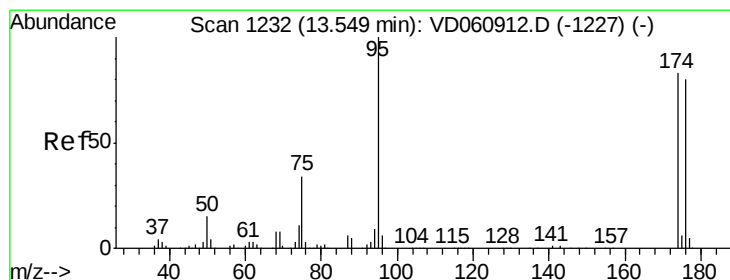
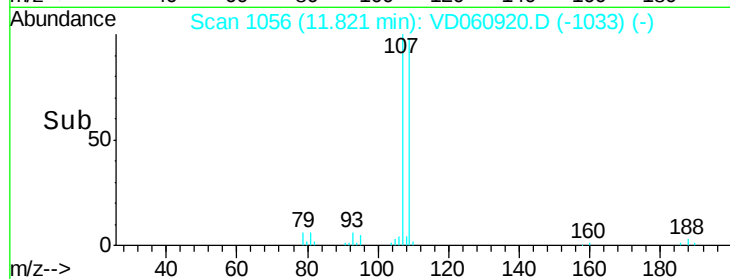
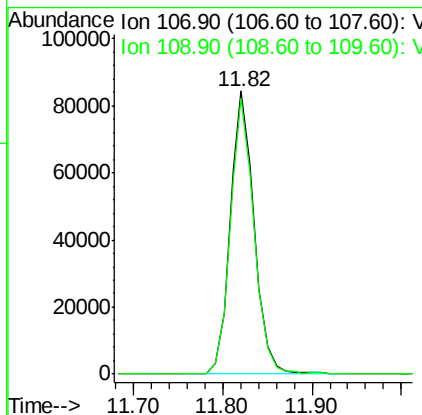
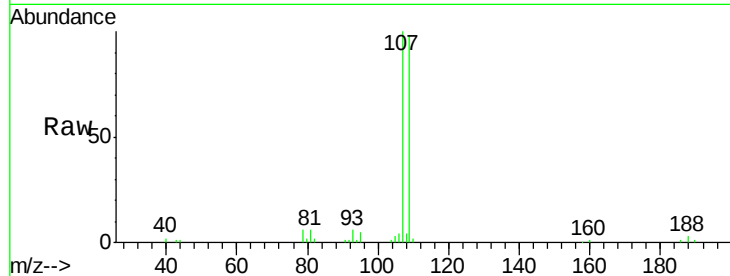
Ion Ratio Lower Upper

107 100

109 97.6 78.0 117.0

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#62

4-Bromofluorobenzene

Concen: 19.890 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

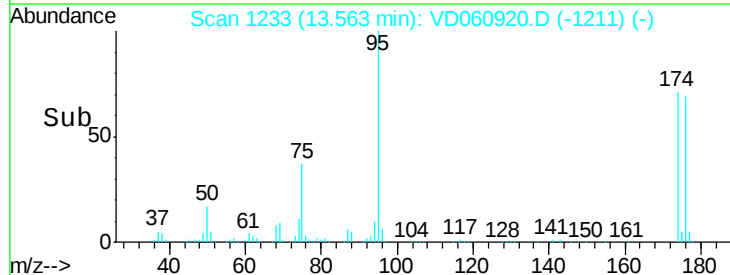
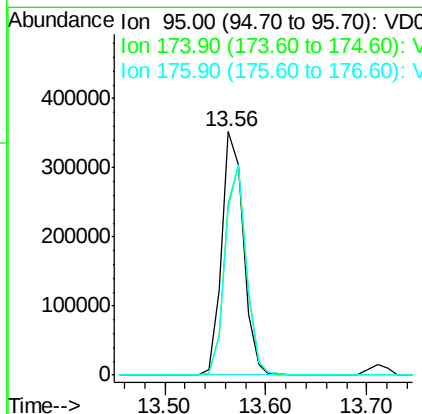
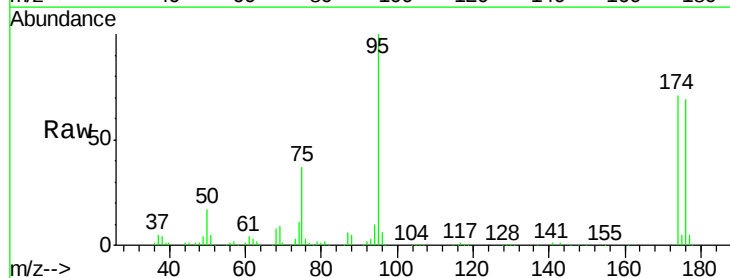
Tgt Ion: 95 Resp: 530440

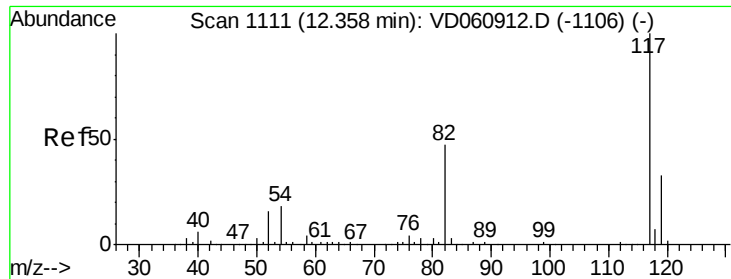
Ion Ratio Lower Upper

95 100

174 70.8 0.0 165.6

176 68.7 0.0 160.6





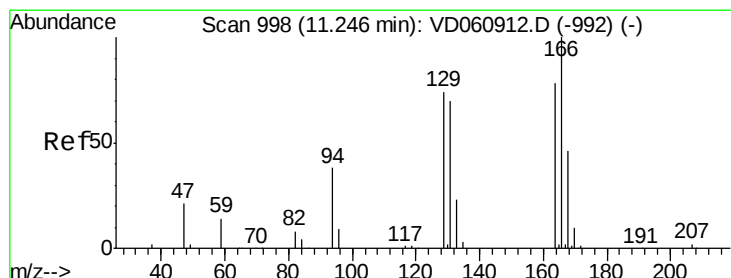
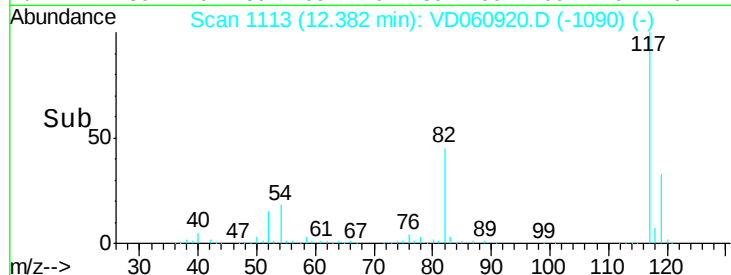
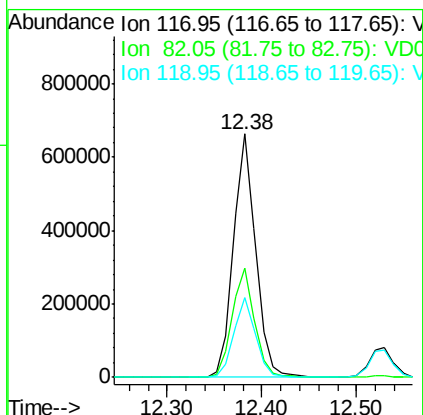
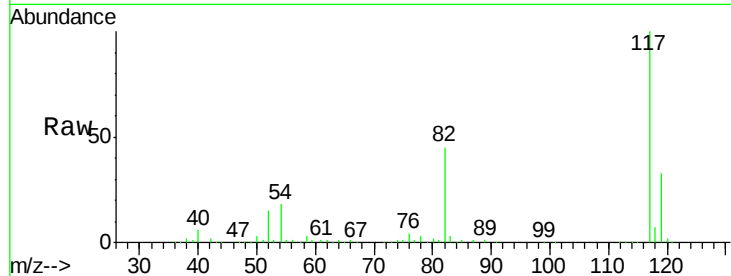
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion:117 Resp: 1078334
Ion Ratio Lower Upper
117 100
82 44.7 37.5 56.3
119 33.0 26.2 39.2

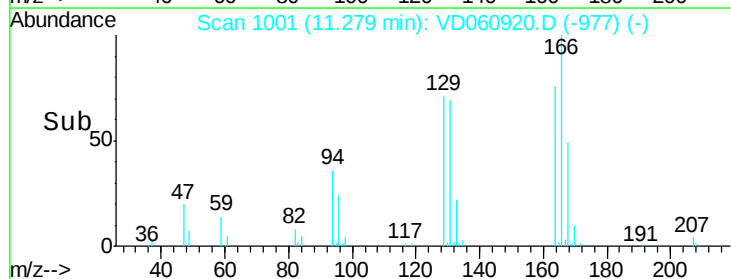
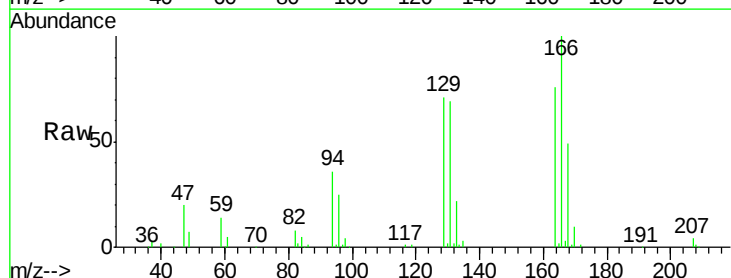
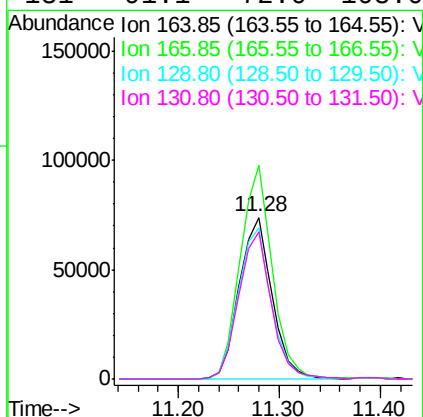
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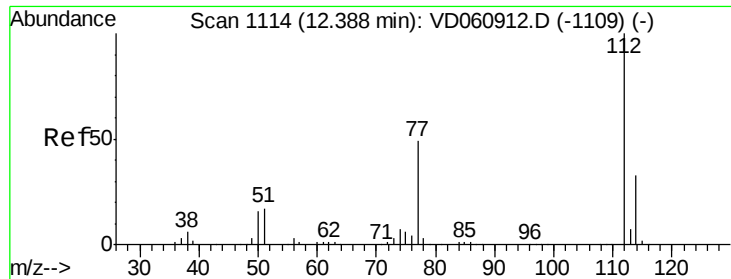
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#64
Tetrachloroethene
Concen: 20.268 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:164 Resp: 167301
Ion Ratio Lower Upper
164 100
166 131.9 102.3 153.5
129 93.5 75.6 113.4
131 91.1 72.0 108.0





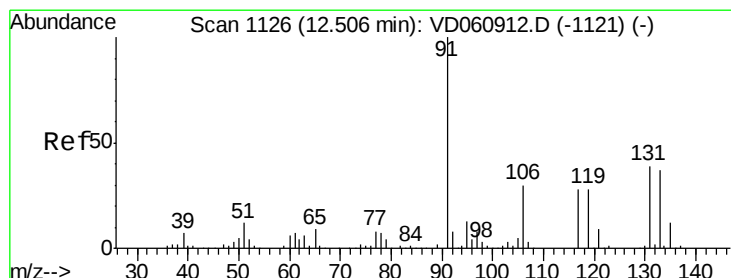
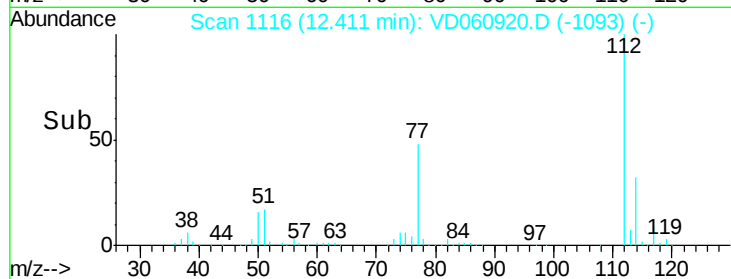
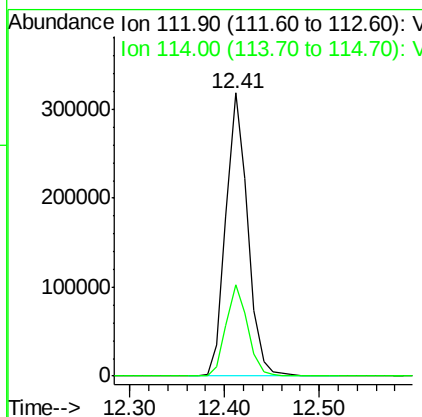
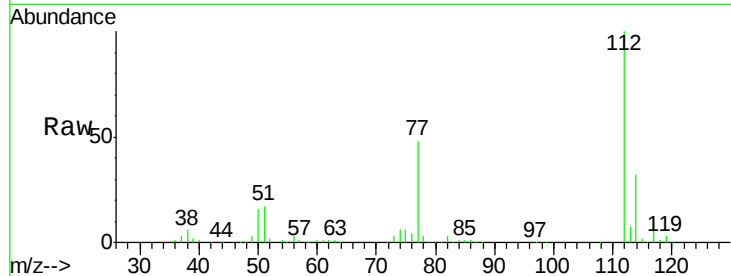
#65
Chlorobenzene
Concen: 21.149 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion:112 Resp: 507734
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

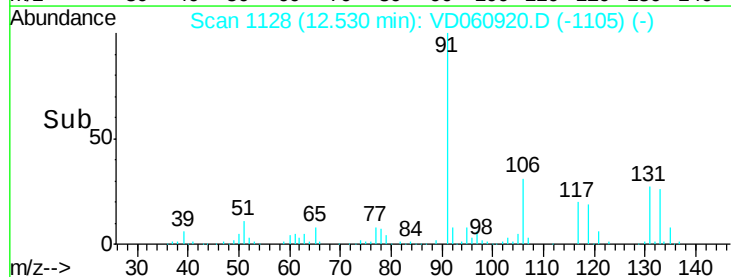
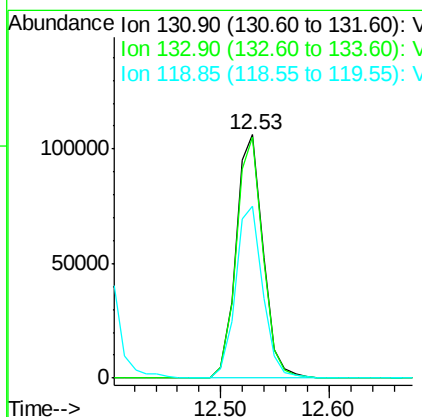
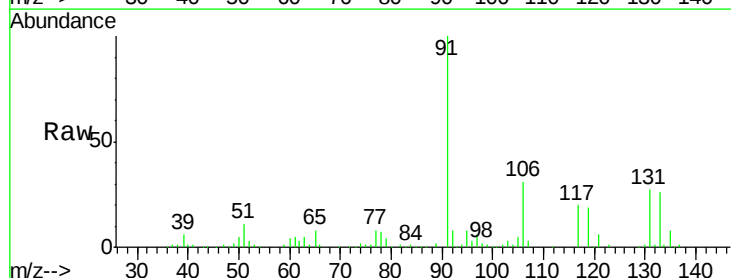
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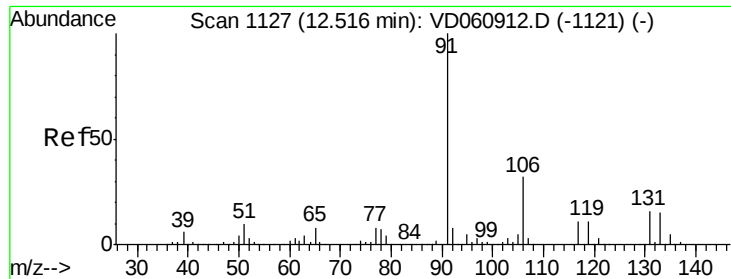
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.372 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:131 Resp: 184128
Ion Ratio Lower Upper
131 100
133 98.8 47.4 142.3
119 70.8 36.0 108.1





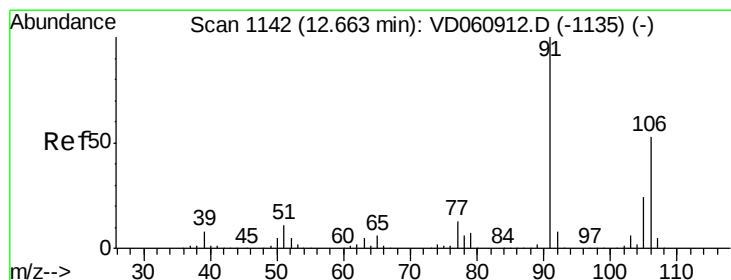
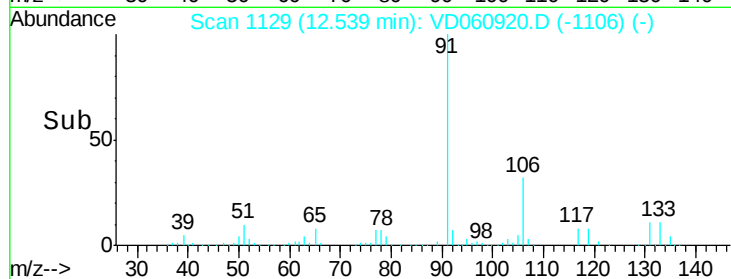
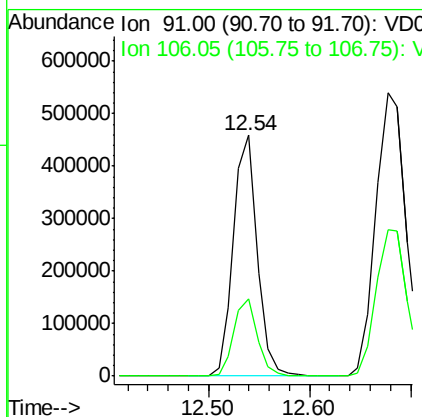
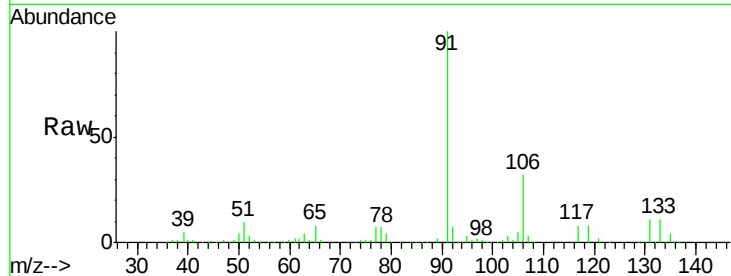
#67
Ethyl Benzene
Concen: 21.554 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 91 Resp: 753460
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.6

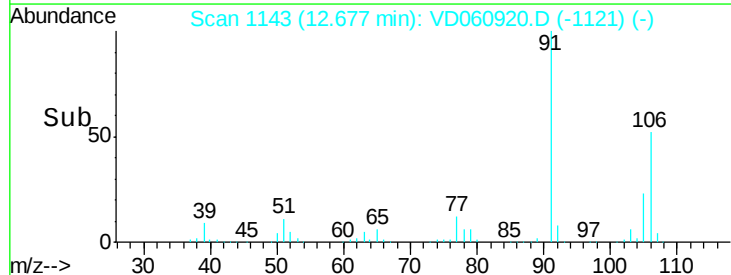
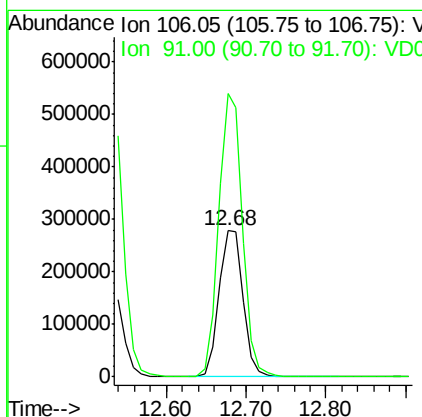
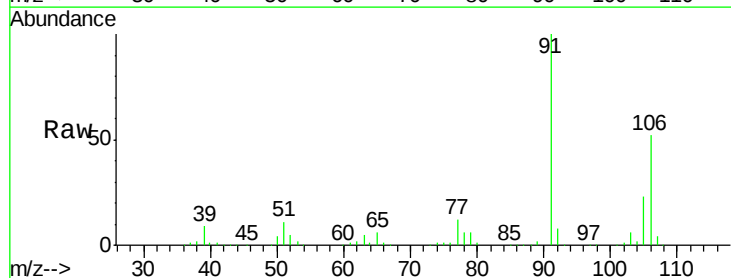
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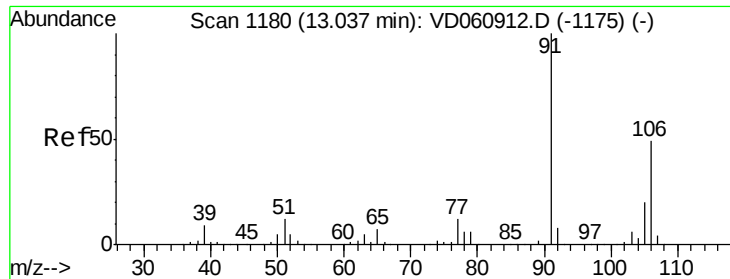
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#68
m/p-Xylenes
Concen: 42.630 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 106 Resp: 595389
Ion Ratio Lower Upper
106 100
91 193.7 150.2 225.4





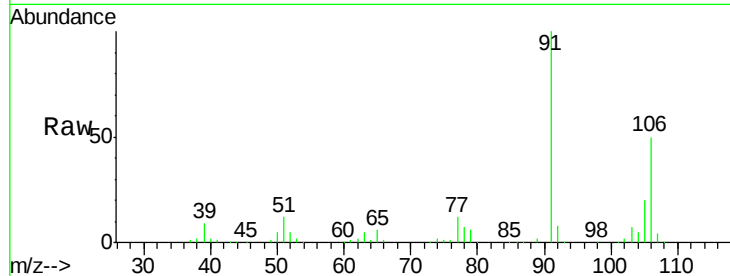
#69
o-Xylene
Concen: 21.392 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

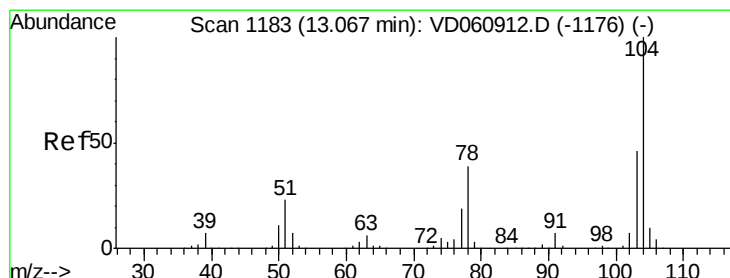
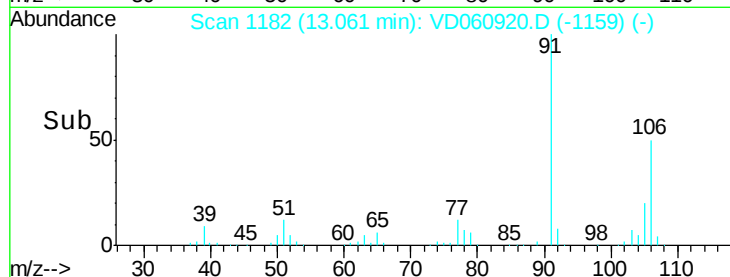
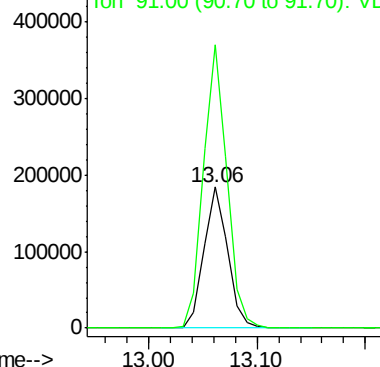
Tot Ion:106 Resp: 280644
Ion Ratio Lower Upper
106 100
91 200.9 102.9 308.7

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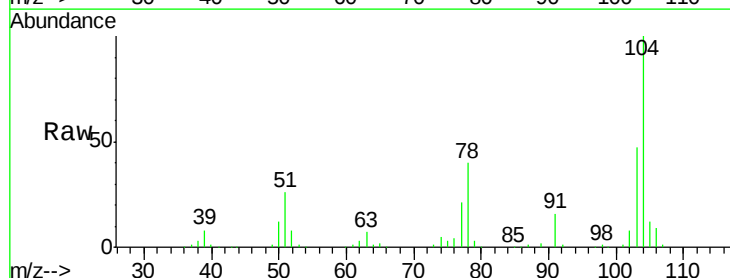


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

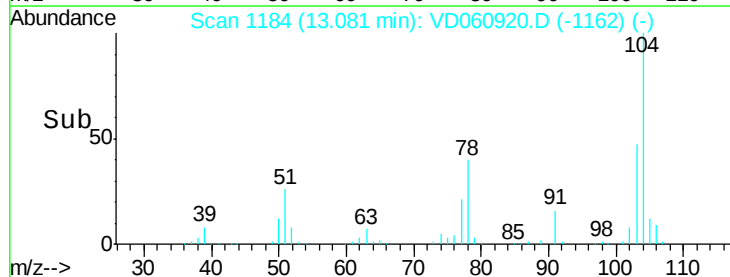
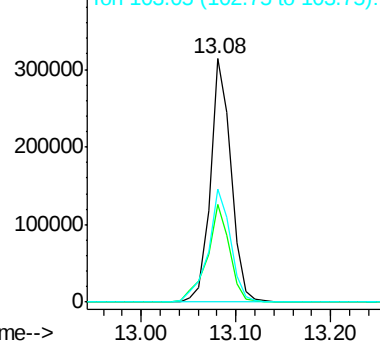


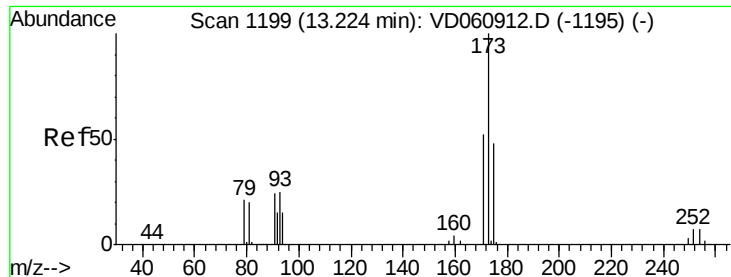
#70
Styrene
Concen: 21.568 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion:104 Resp: 472103
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.4
103 46.6 36.5 54.7



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





#71

Bromoform

Concen: 20.800 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

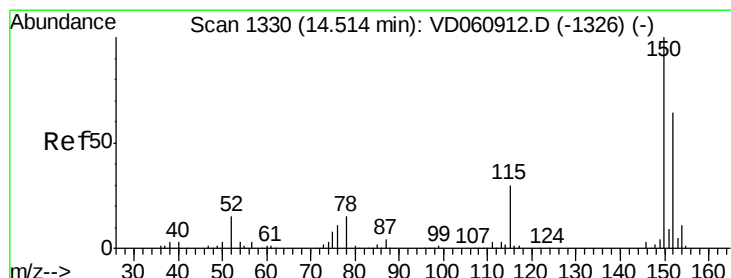
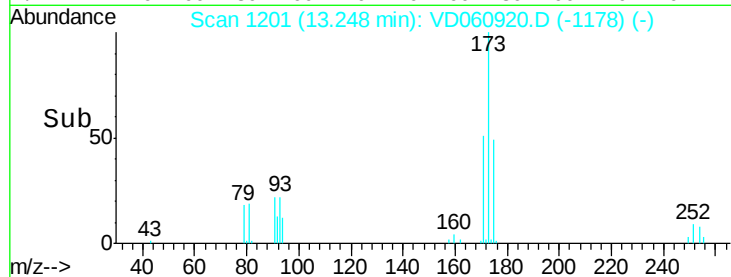
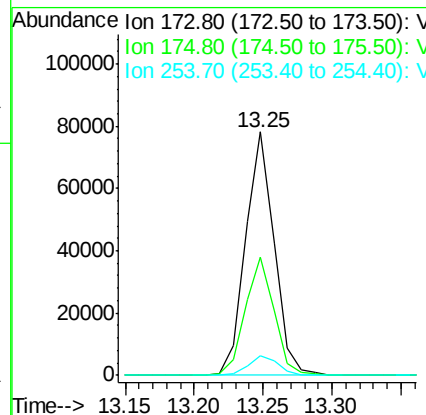
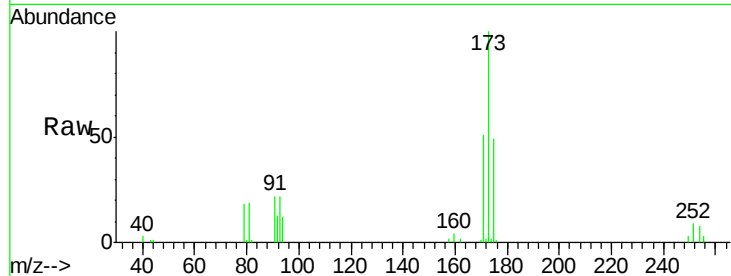
ClientSampleId :

VD0304SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.5	24.1	72.3		
254	7.9	5.6	8.4		

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

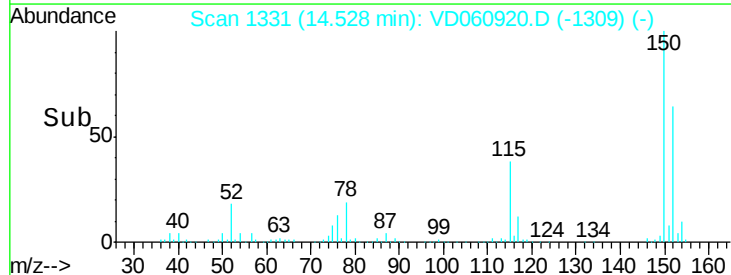
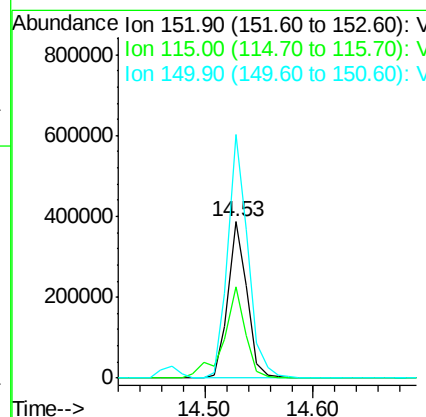
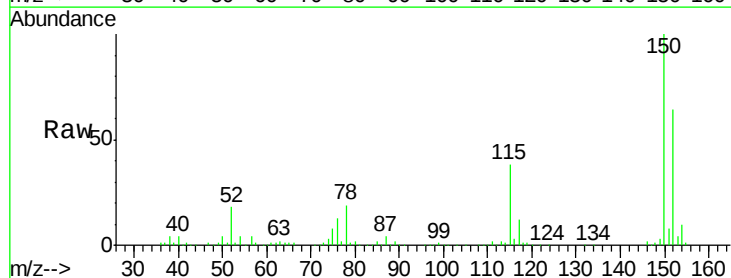
RT: 14.53 min Scan# 1331

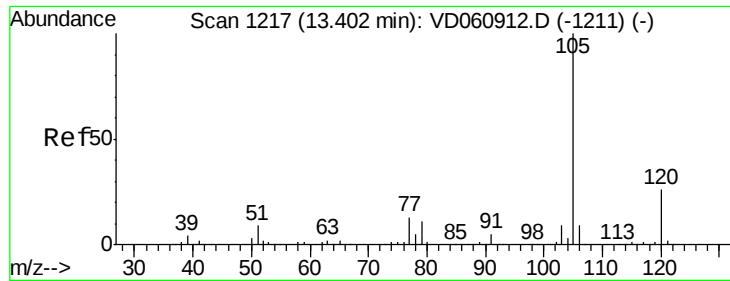
Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	58.5	27.6	82.8		
150	155.8	0.0	312.8		





#73

Isopropylbenzene

Concen: 20.527 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 105 Resp: 750266

Ion Ratio Lower Upper

105 100

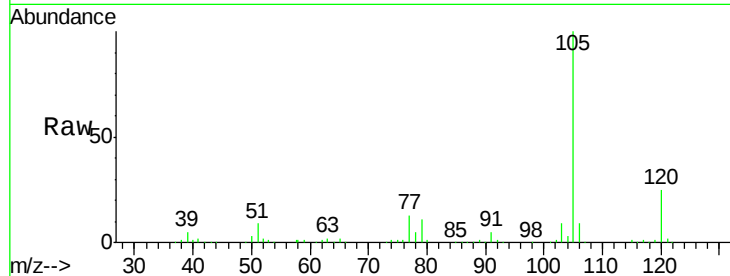
120 24.6 12.9 38.7

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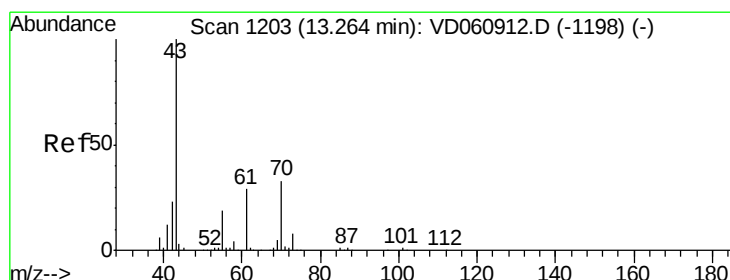
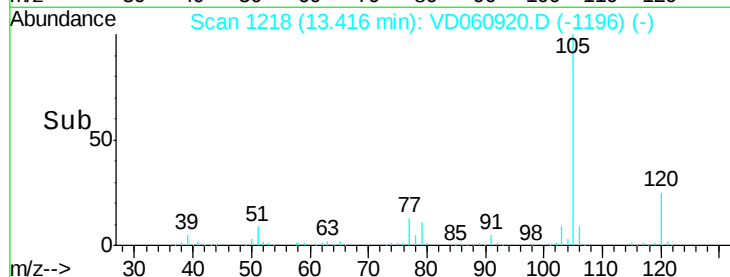
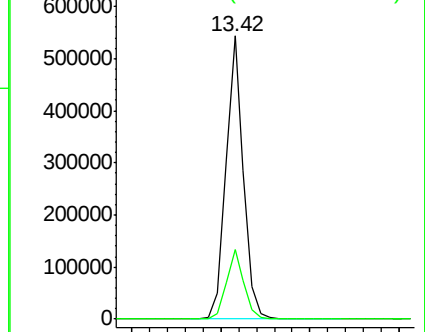
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.702 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion: 43 Resp: 226028

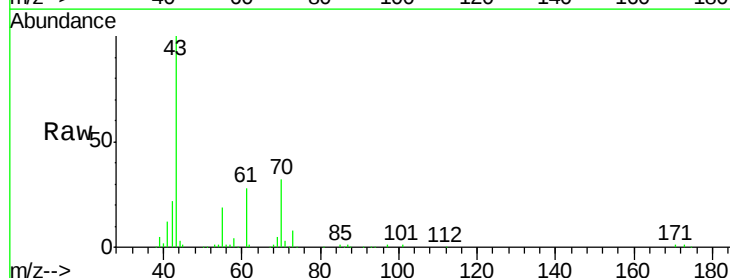
Ion Ratio Lower Upper

43 100

70 32.1 26.3 39.5

55 19.2 15.4 23.2

61 28.0 23.4 35.0

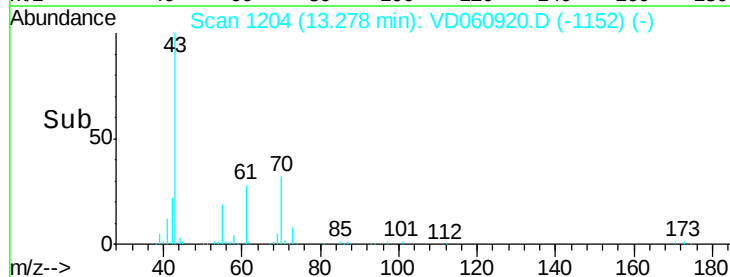
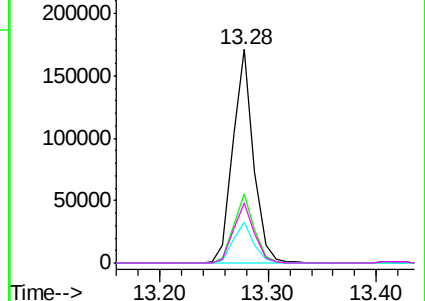


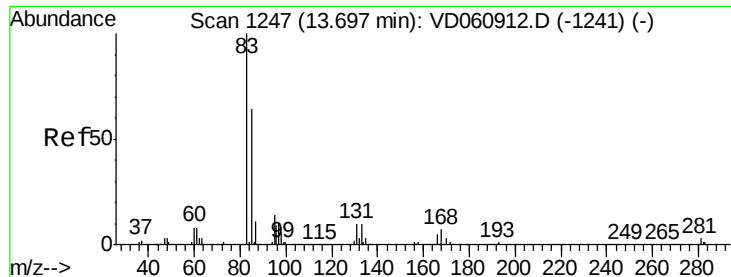
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.160 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion: 83 Resp: 152818
Ion Ratio Lower Upper

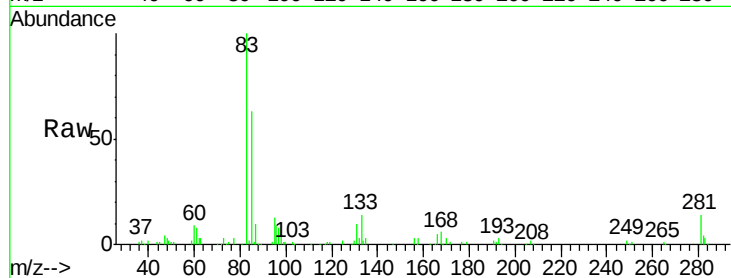
83 100

131 9.6 5.1 15.2

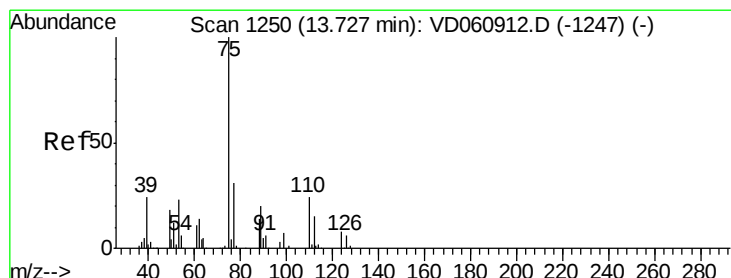
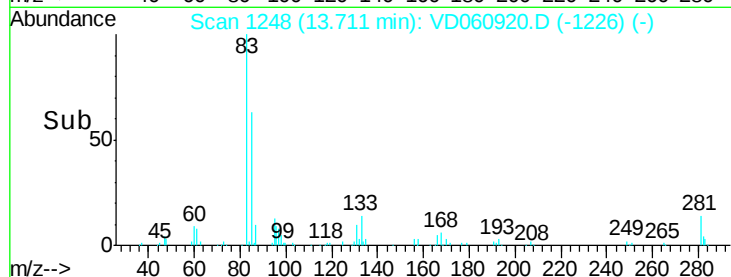
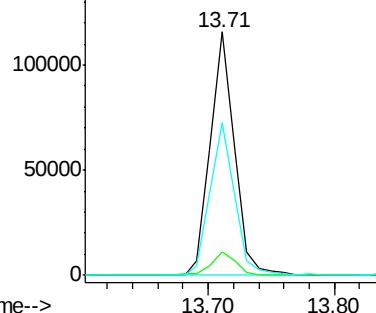
85 62.8 32.3 96.8

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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: 20.938 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

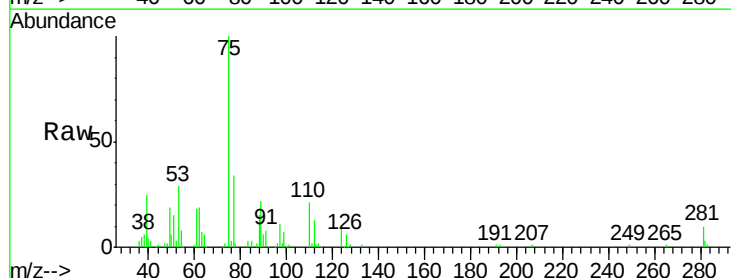
Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

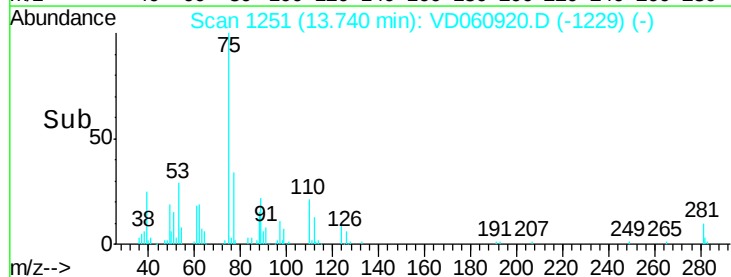
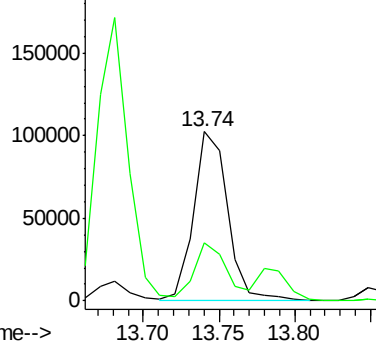
Tgt Ion: 75 Resp: 160492
Ion Ratio Lower Upper

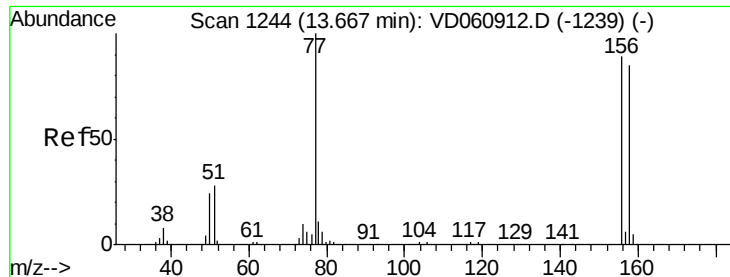
75 100

77 34.1 16.2 48.6



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





#77

Bromobenzene

Concen: 20.456 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion:156 Resp: 195432

Ion Ratio Lower Upper

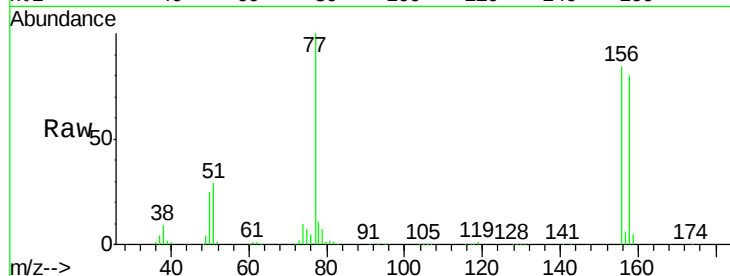
156 100

77 118.6 56.4 169.2

158 94.6 48.0 144.2

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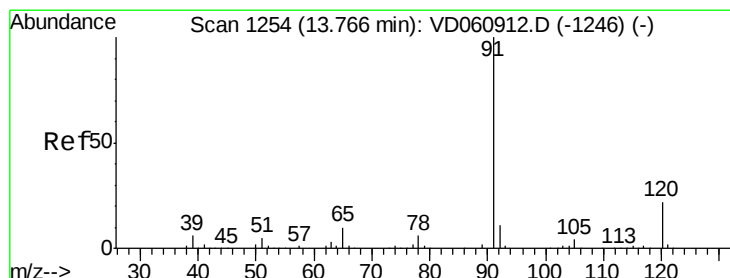
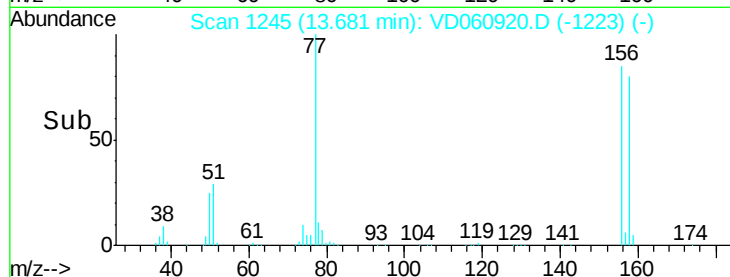
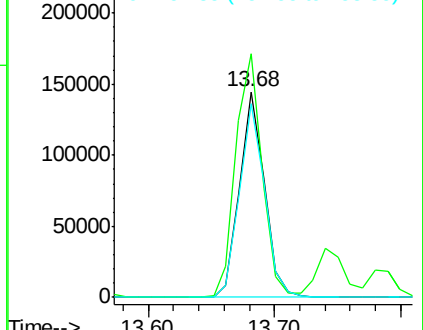
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.612 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD060920.D

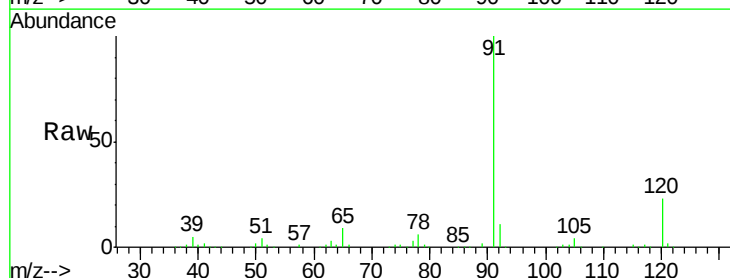
Acq: 4 Mar 2019 13:41

Tgt Ion: 91 Resp: 866760

Ion Ratio Lower Upper

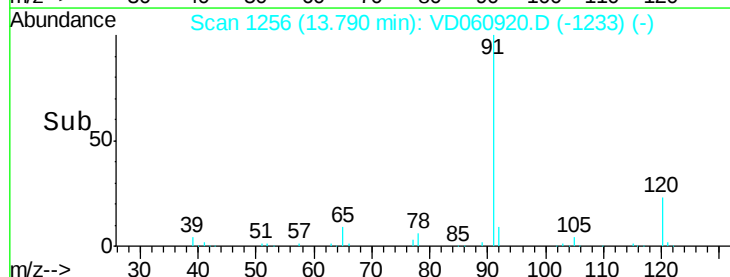
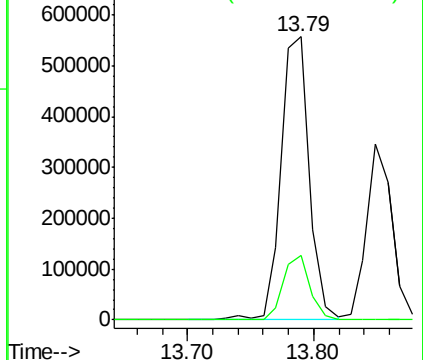
91 100

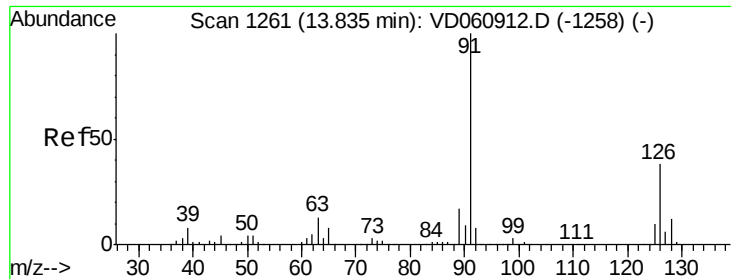
120 22.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.067 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 91 Resp: 481941

Ion Ratio Lower Upper

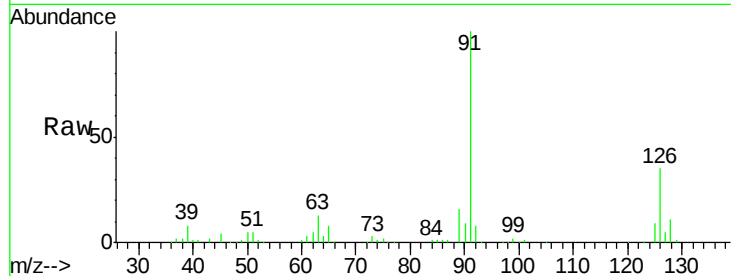
91 100

126 34.6 18.8 56.3

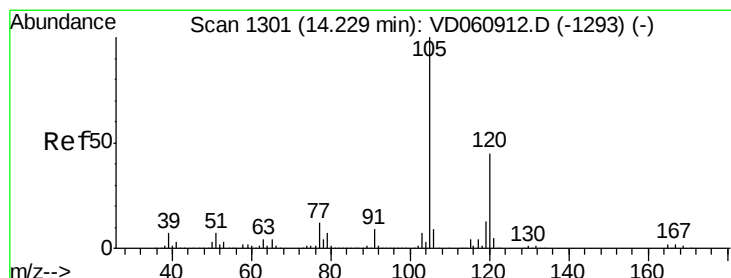
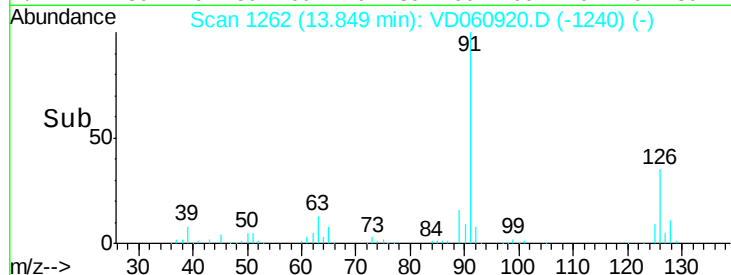
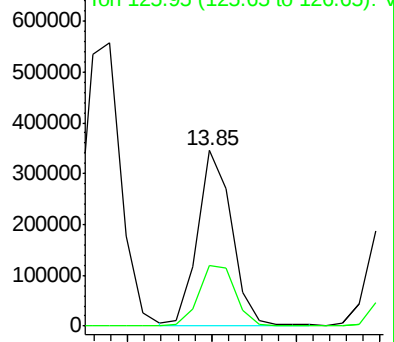
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Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.874 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD060920.D

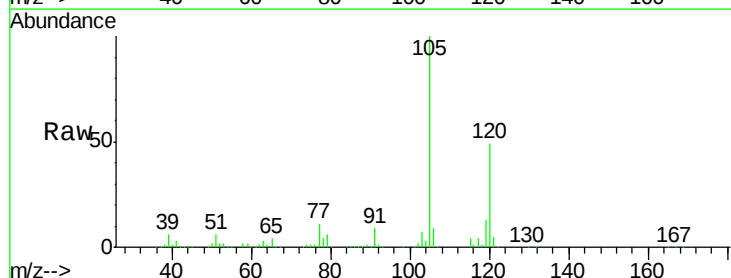
Acq: 4 Mar 2019 13:41

Tgt Ion: 105 Resp: 578590

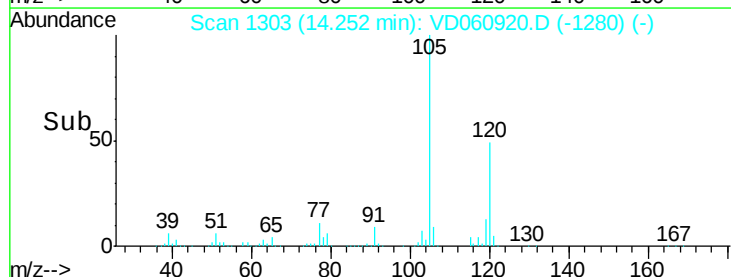
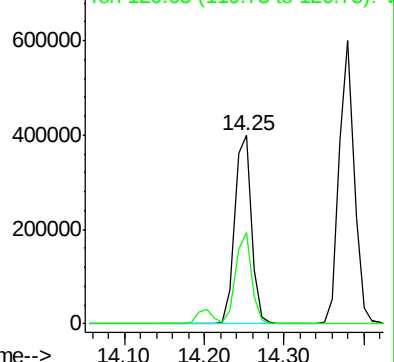
Ion Ratio Lower Upper

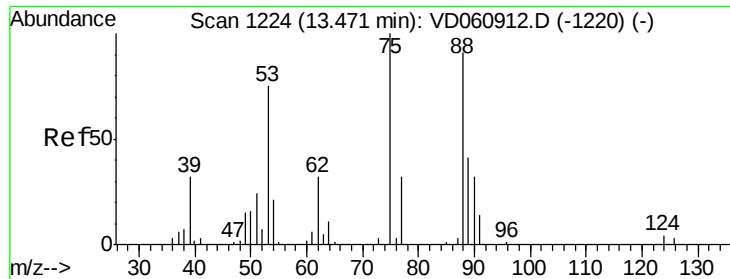
105 100

120 48.7 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.691 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

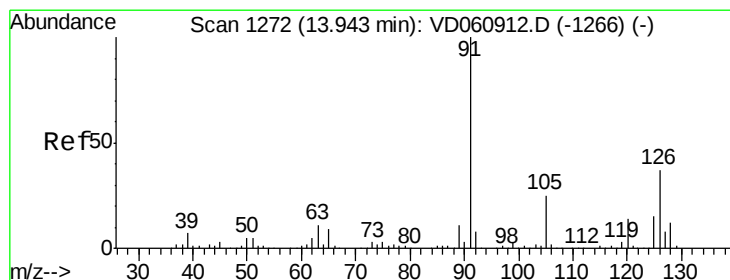
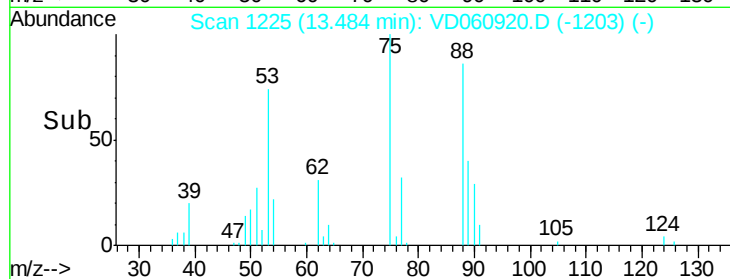
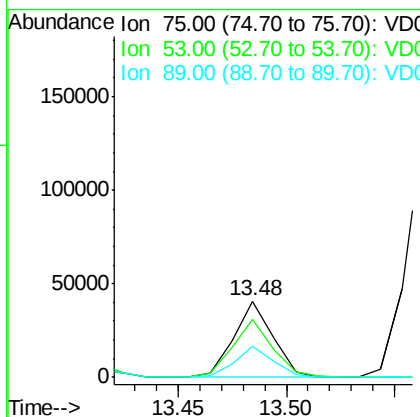
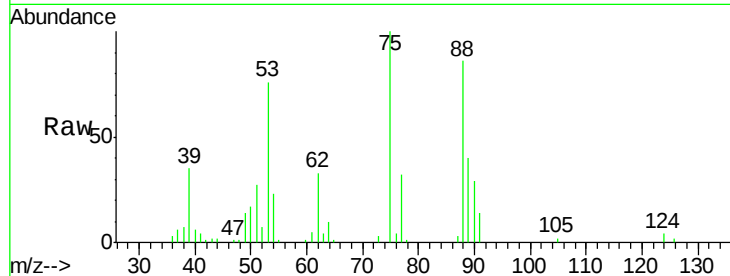
ClientSampleId :

VD0304SBS01

Tot Ion:	75	Resp:	51475
Ion Ratio	Lower	Upper	
75	100		
53	75.6	59.8	89.6
89	40.2	33.0	49.6

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#82

4-Chlorotoluene

Concen: 21.250 ug/l

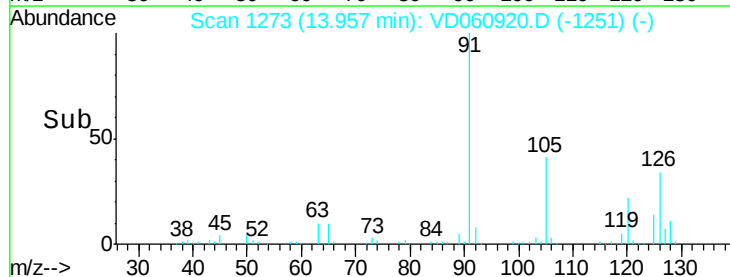
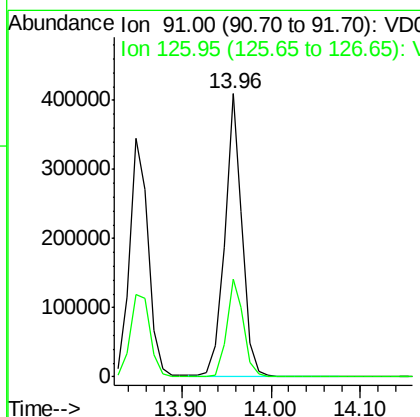
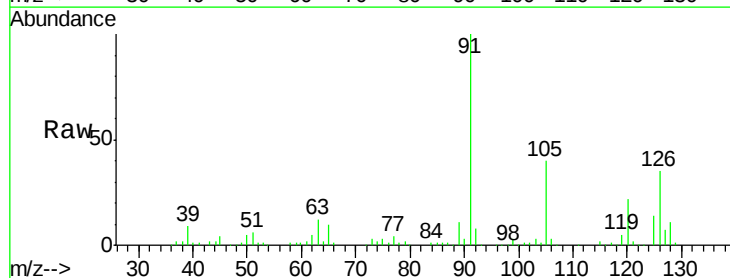
RT: 13.96 min Scan# 1273

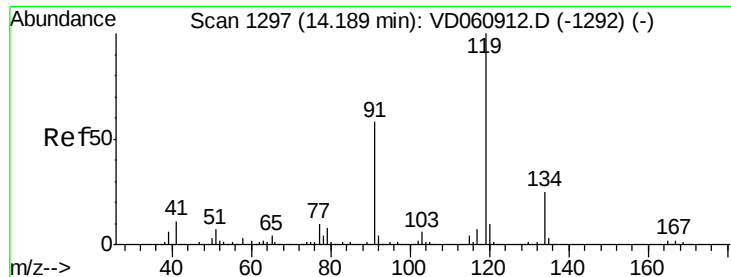
Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion:	91	Resp:	559757
Ion Ratio	Lower	Upper	
91	100		
126	34.5	18.4	55.2





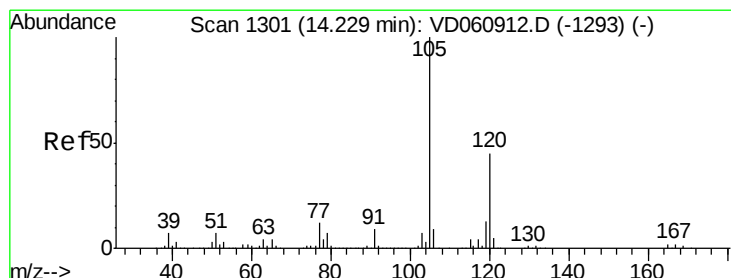
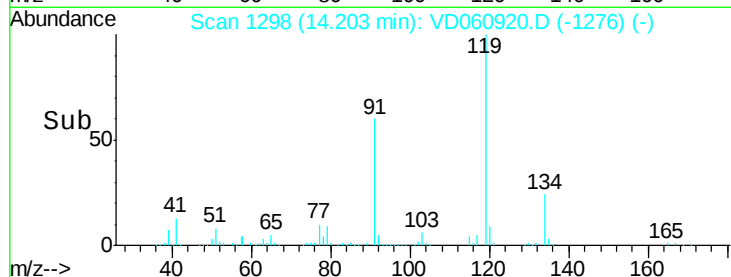
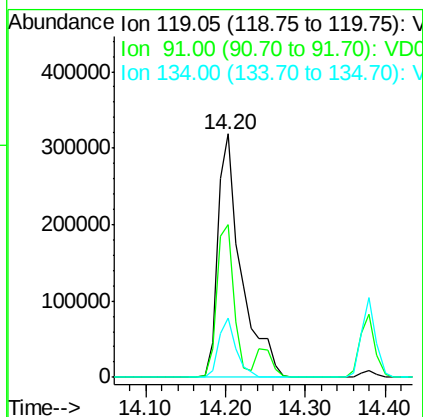
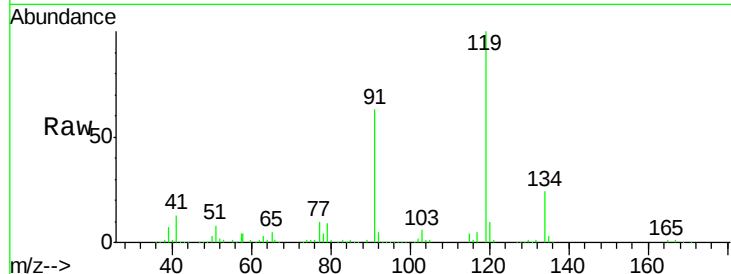
#83
tert-Butylbenzene
Concen: 20.619 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	654375		
91	62.8	28.8	86.5	
134	24.1	12.6	37.6	

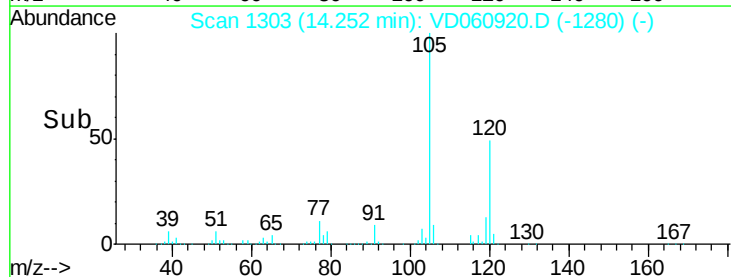
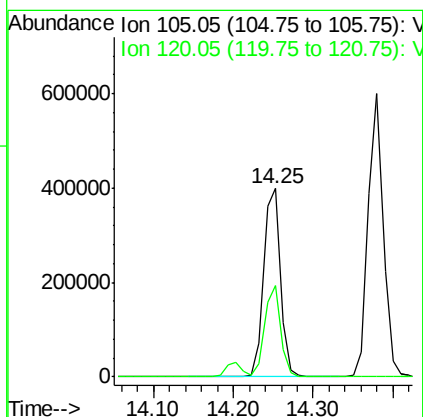
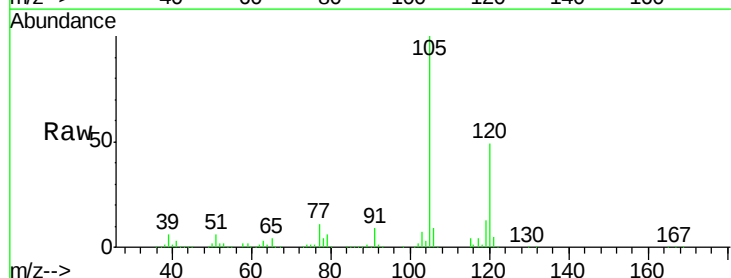
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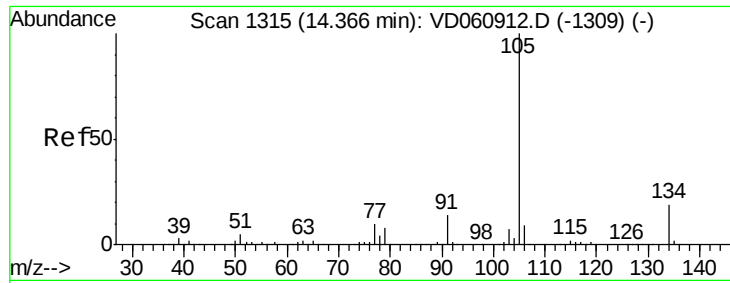
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#84
1,2,4-Trimethylbenzene
Concen: 20.874 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	578590		
120	48.7	22.7	68.1	





#85

sec-Butylbenzene

Concen: 21.079 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion:105 Resp: 775546

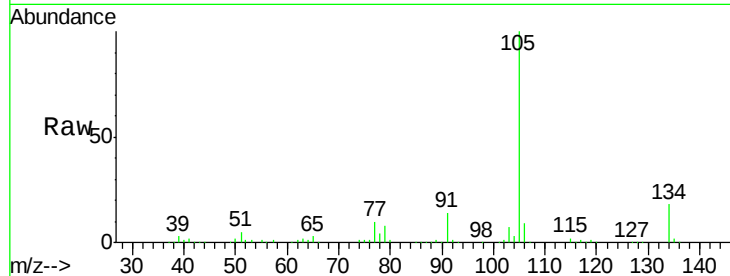
Ion Ratio Lower Upper

105 100

134 17.5 9.7 28.9

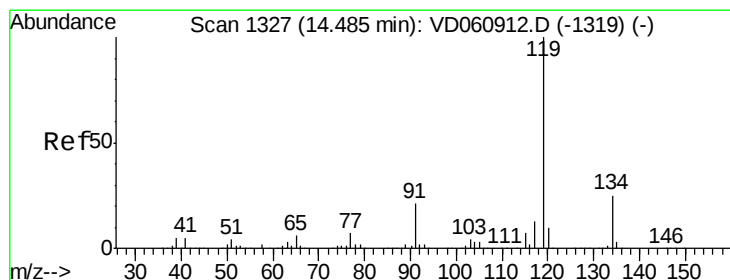
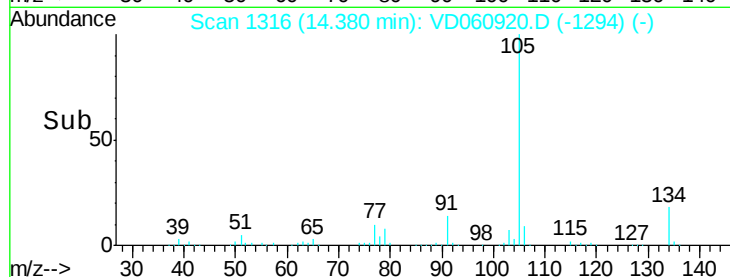
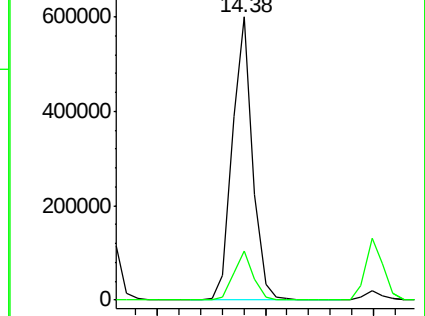
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.381 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

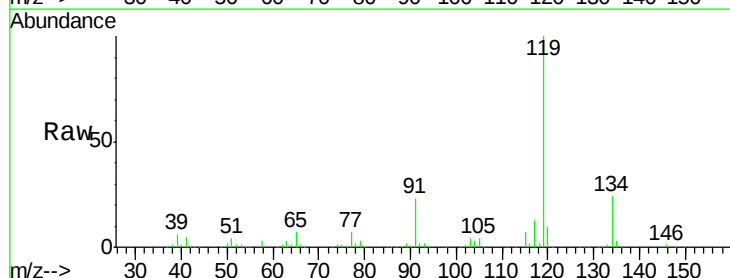
Tgt Ion:119 Resp: 640719

Ion Ratio Lower Upper

119 100

134 23.9 12.4 37.0

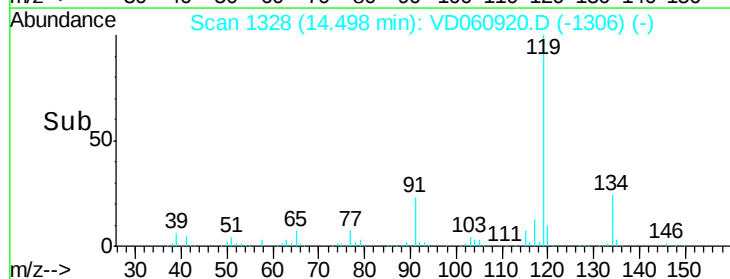
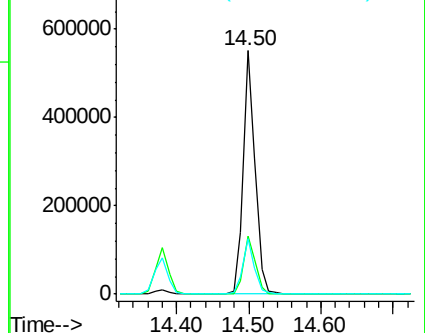
91 22.6 10.8 32.3

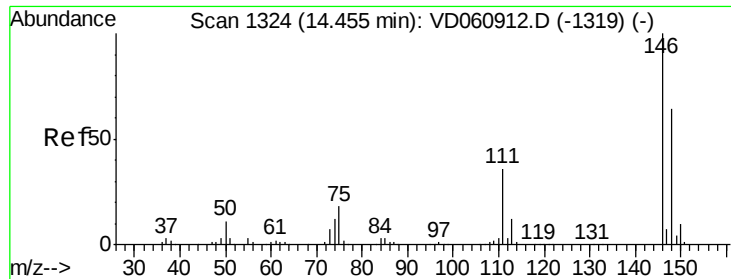


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





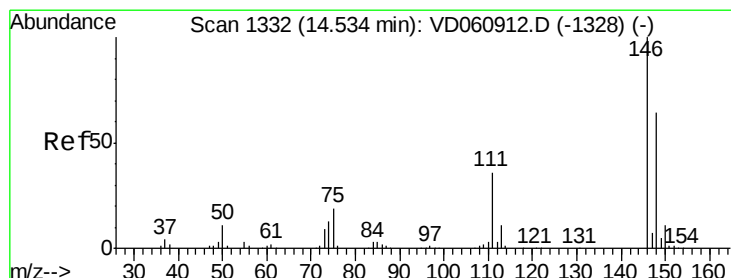
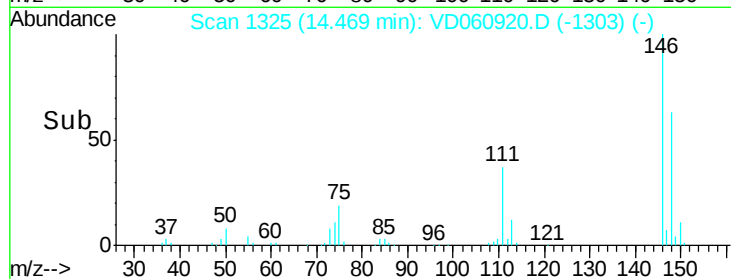
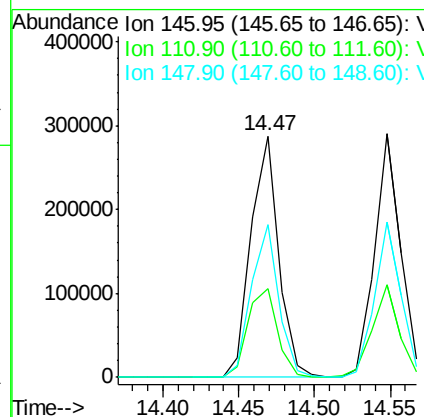
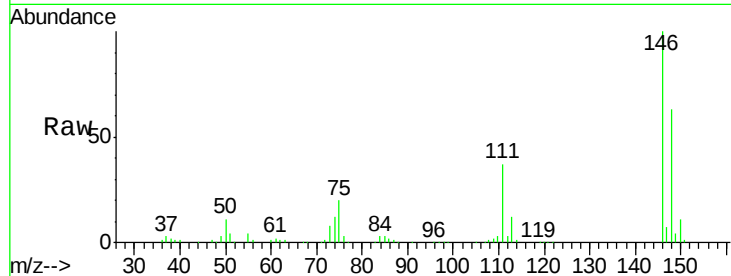
#87
 1,3-Dichlorobenzene
 Concen: 22.700 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.0	32.1	96.3

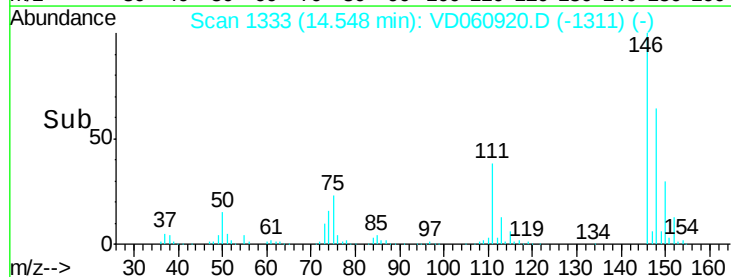
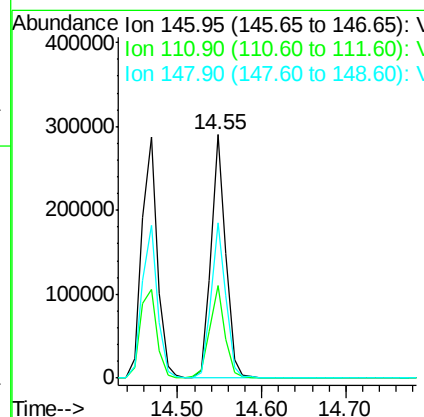
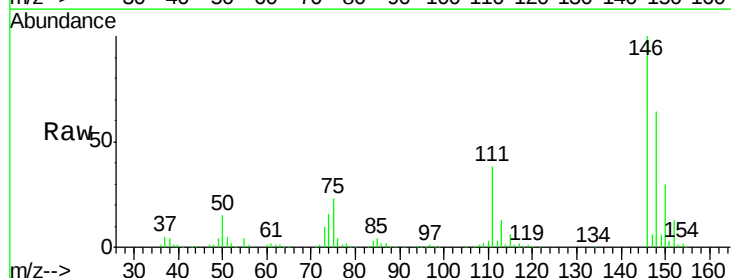
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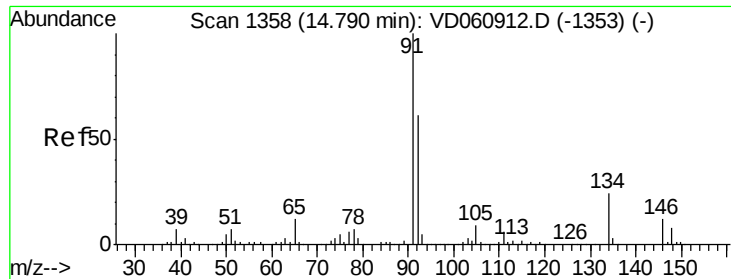
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#88
 1,4-Dichlorobenzene
 Concen: 21.967 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.9	53.8
148	63.8	32.0	96.0





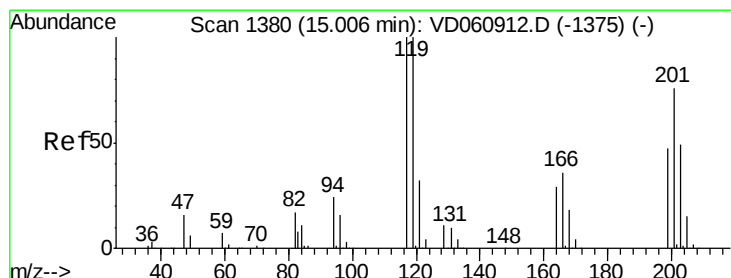
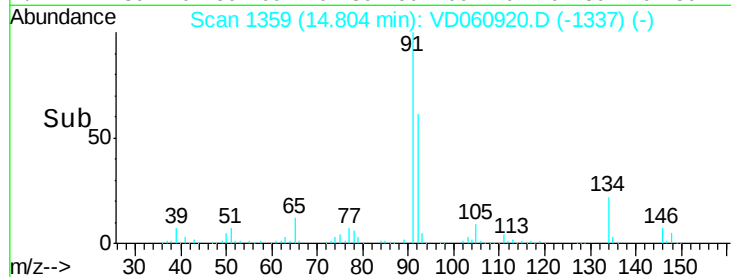
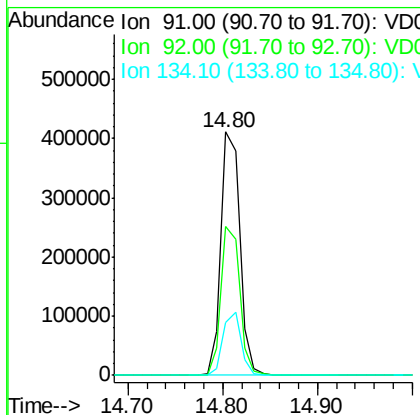
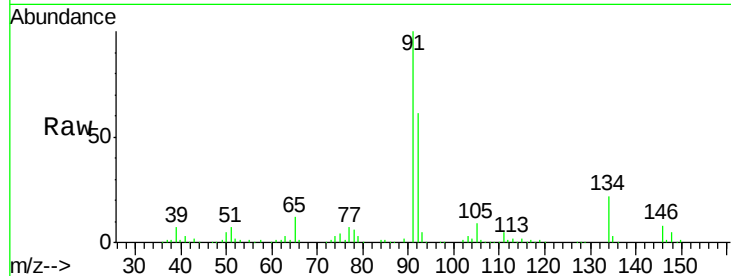
#89
n-Butylbenzene
Concen: 19.119 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 91 Resp: 570663
Ion Ratio Lower Upper
91 100
92 61.2 30.6 91.6
134 21.6 12.0 36.0

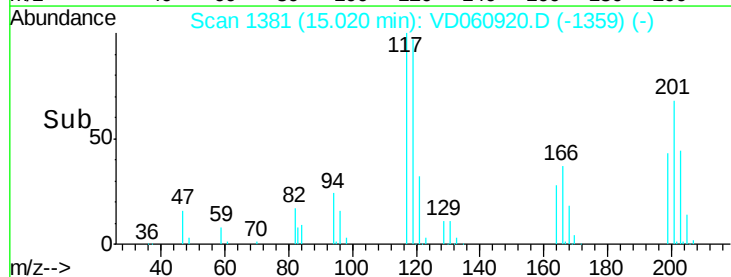
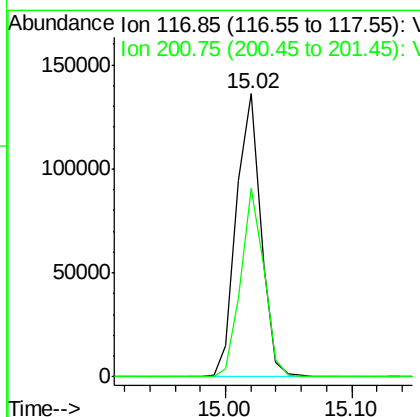
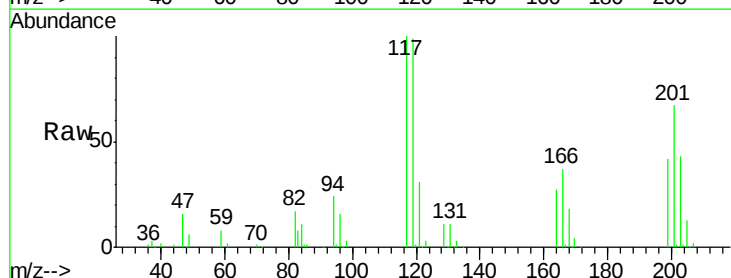
Manual Integrations
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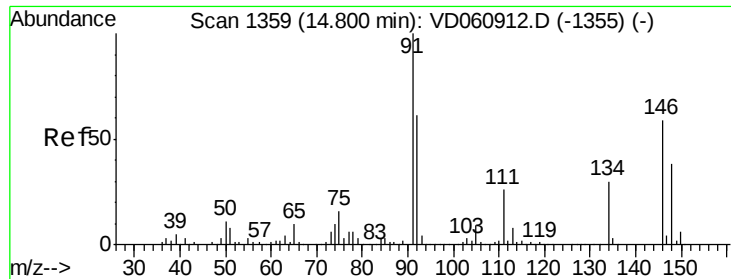
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#90
Hexachloroethane
Concen: 21.084 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060920.D
Acq: 4 Mar 2019 13:41

Tgt Ion: 117 Resp: 182217
Ion Ratio Lower Upper
117 100
201 66.8 37.8 113.4





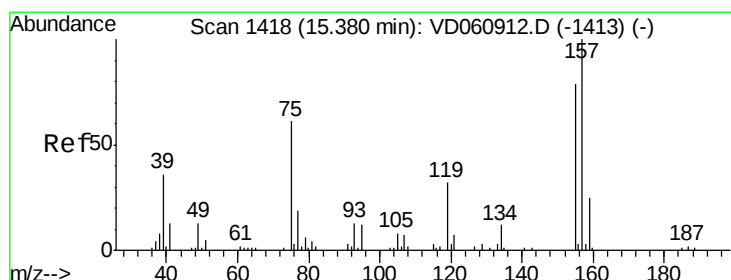
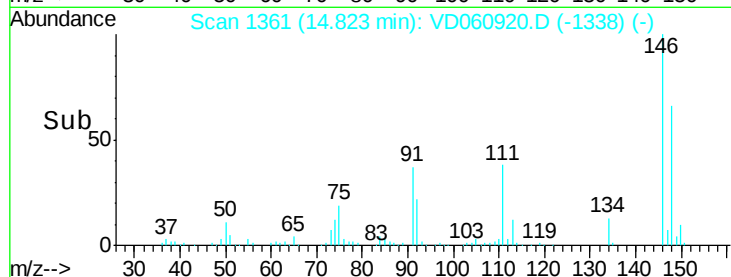
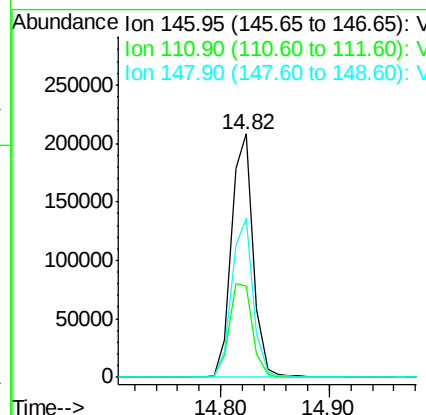
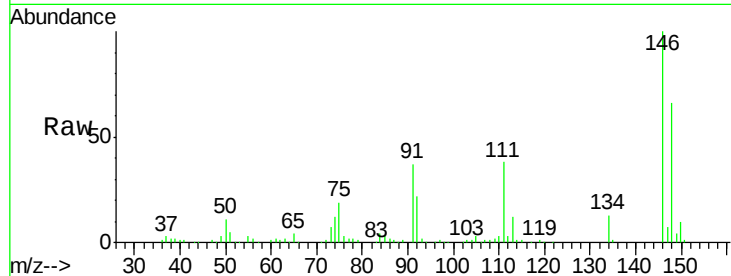
#91
 1,2-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	22.1	66.3
148	65.5	32.1	96.5

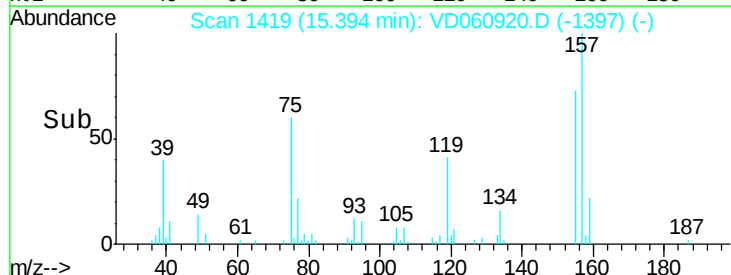
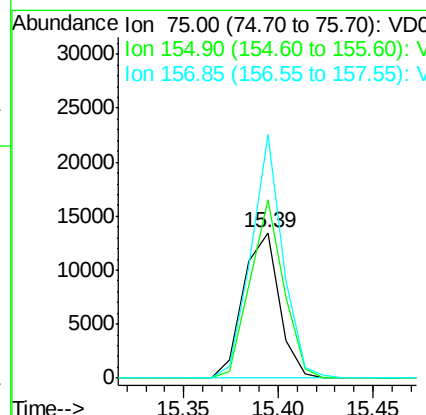
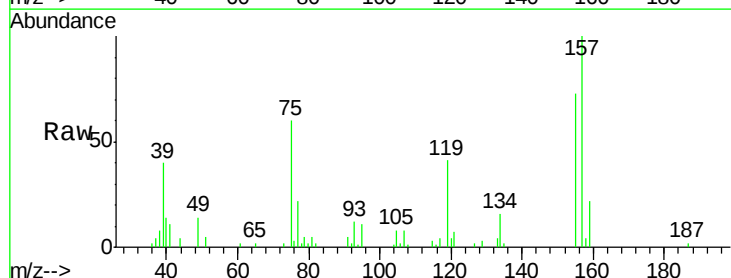
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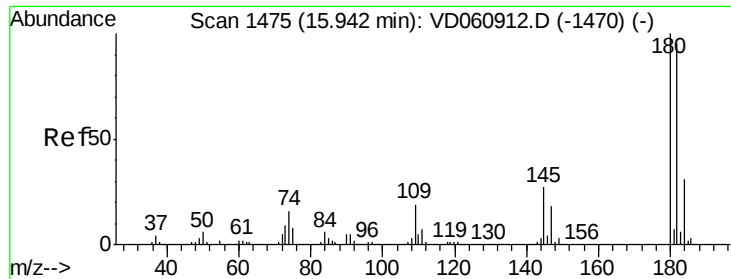
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.833 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	123.1	65.0	195.0
157	167.7	81.8	245.3





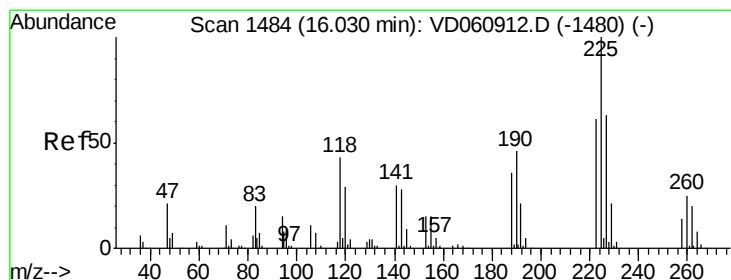
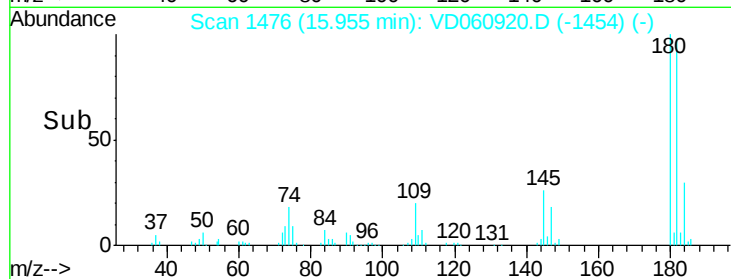
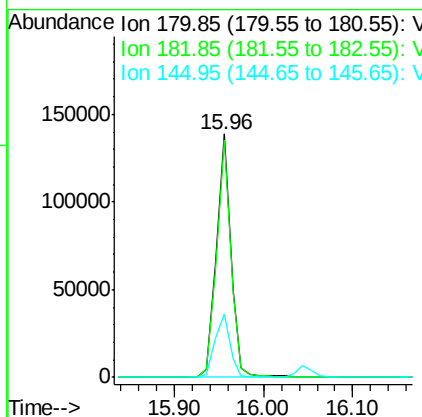
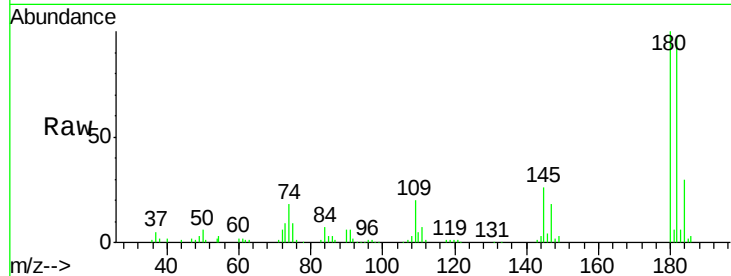
#93
 1,2,4-Trichlorobenzene
 Concen: 19.369 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.5	142.6
145	26.2	13.5	40.5

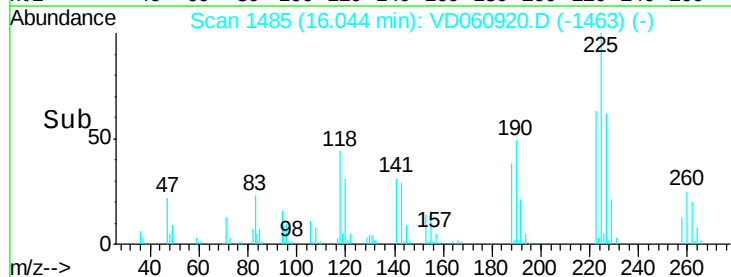
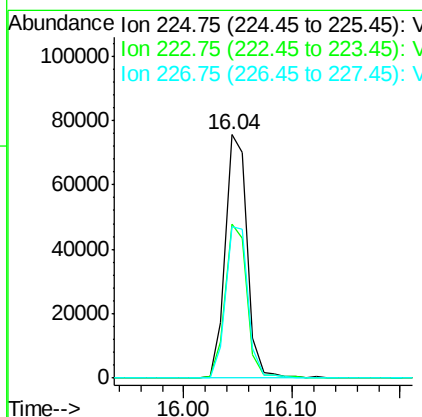
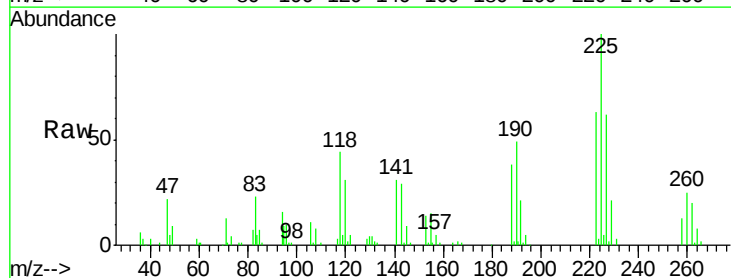
Manual Integrations
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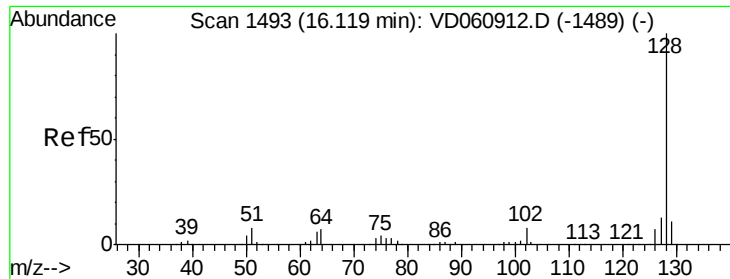
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#94
 Hexachlorobutadiene
 Concen: 20.331 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060920.D
 Acq: 4 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.4	91.3
227	62.1	31.4	94.2





#95

Naphthalene

Concen: 20.552 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Instrument :

MSVOA_D

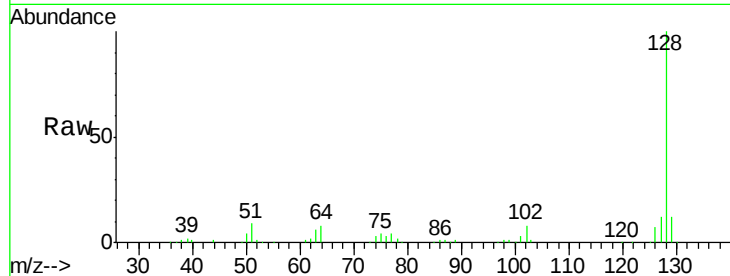
ClientSampleId :

VD0304SBS01

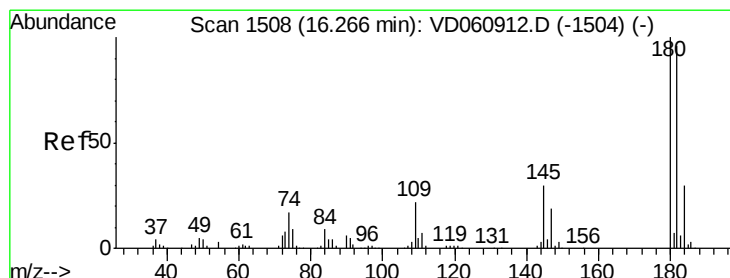
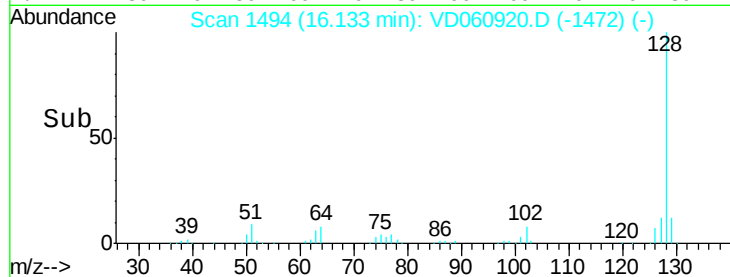
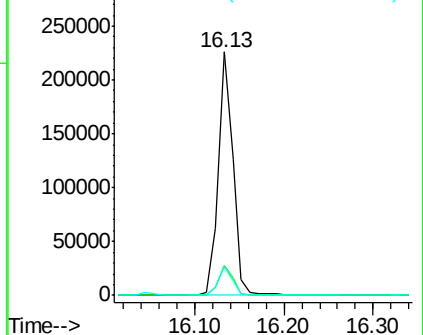
Tot Ion:	128	Resp:	261337
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	11.6	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.890 ug/l

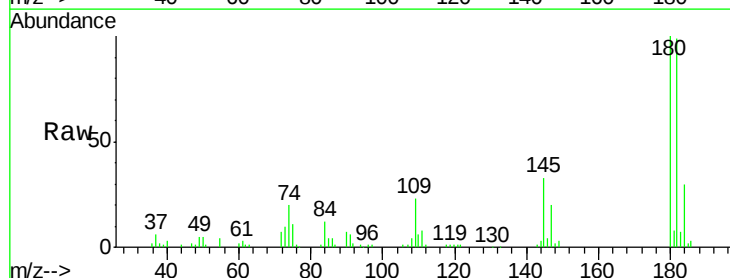
RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD060920.D

Acq: 4 Mar 2019 13:41

Tgt Ion:	180	Resp:	100380
Ion Ratio	Lower	Upper	
180	100		
182	98.7	48.1	144.4
145	33.0	14.8	44.4



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

