

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058132.D
 Acq On : 14 Jun 2018 13:34
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Manual Integrations
 APPROVED

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 6/15/2018 2:55:12 PM

Quant Time: Jun 15 13:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	885279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1157905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	888683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	477224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	395016	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	5.55	113	426447	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	8.71	98	985256	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
62) 4-Bromofluorobenzene	11.93	95	414638	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	249944	21.036	ug/l	100
3) Chloromethane	1.49	50	115533	19.744	ug/l	100
4) Vinyl Chloride	1.56	62	111873	19.751	ug/l	98
5) Bromomethane	1.79	94	41641	18.757	ug/l	100
6) Chloroethane	1.88	64	40543	18.142	ug/l	97
7) Trichlorofluoromethane	2.09	101	163146	21.071	ug/l	96
8) Diethyl Ether	2.36	74	29209	20.307	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.56	101	100941	21.856	ug/l	97
10) Methyl Iodide	2.70	142	113311	19.014	ug/l	91
11) Tert butyl alcohol	3.27	59	24360m	102.744	ug/l	
12) 1,1-Dichloroethene	2.55	96	70751	19.927	ug/l	84
13) Acrolein	2.47	56	27482	80.936	ug/l	88
14) Allyl chloride	2.93	41	162238	19.808	ug/l	99
15) Acrylonitrile	3.38	53	111389	80.307	ug/l	88
16) Acetone	2.62	43	123470	96.829	ug/l	97
17) Carbon Disulfide	2.76	76	247061	19.208	ug/l #	95
18) Methyl Acetate	2.95	43	46835	18.987	ug/l #	85
19) Methyl tert-butyl Ether	3.41	73	325127	20.811	ug/l	98
20) Methylene Chloride	3.07	84	77597	20.491	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	160780	20.331	ug/l	97
22) Diisopropyl ether	4.08	45	627615	19.342	ug/l	98
23) Vinyl Acetate	4.03	43	1602912	95.609	ug/l	98
24) 1,1-Dichloroethane	3.98	63	369149	20.700	ug/l	99
25) 2-Butanone	4.85	43	269491	92.995	ug/l #	88
26) 2,2-Dichloropropane	4.81	77	305696	20.809	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	199082	21.226	ug/l	97
28) Bromochloromethane	5.15	49	157523	20.409	ug/l	88
29) Tetrahydrofuran	5.19	42	143378	94.384	ug/l	98
30) Chloroform	5.33	83	376267	20.965	ug/l	97
31) Cyclohexane	5.60	56	310111	20.151	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	312992	20.828	ug/l	98
36) 1,1-Dichloropropene	5.75	75	279863	21.938	ug/l	97
37) Ethyl Acetate	4.92	43	141316	20.301	ug/l	98
38) Carbon Tetrachloride	5.73	117	267001	21.237	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	277738	21.962	ug/l	96
40) Benzene	6.02	78	651996	21.878	ug/l	99
41) Methacrylonitrile	5.13	41	66032	20.747	ug/l	98
42) 1,2-Dichloroethane	6.14	62	245007	20.334	ug/l	99
43) Isopropyl Acetate	7.62	43	173826	19.065	ug/l #	97
44) Trichloroethene	6.98	130	187318	21.519	ug/l	95
45) 1,2-Dichloropropane	7.36	63	174179	21.029	ug/l	100
46) Dibromomethane	7.46	93	108889	20.465	ug/l	99
47) Bromodichloromethane	7.75	83	255576	20.515	ug/l	97
48) Methyl methacrylate	7.51	41	99866	17.796	ug/l	95
49) 1,4-Dioxane	7.49	88	16783	361.005	ug/l #	86
51) 4-Methyl-2-Pentanone	8.61	43	590556	100.982	ug/l	95
52) Toluene	8.80	92	373600	21.844	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	221198	20.608	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	262527	20.761	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	118781	21.459	ug/l	96
56) Ethyl methacrylate	9.32	69	138685	20.425	ug/l	99
57) 1,3-Dichloropropane	9.67	76	207351	21.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	354176	103.244	ug/l	99
59) 2-Hexanone	9.79	43	417223	97.351	ug/l	98
60) Dibromochloromethane	9.96	129	159051	20.376	ug/l	98
61) 1,2-Dibromoethane	10.10	107	131292	20.625	ug/l	98
64) Tetrachloroethene	9.52	164	184606	23.236	ug/l	97
65) Chlorobenzene	10.73	112	404959	22.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	151567	21.928	ug/l	97
67) Ethyl Benzene	10.86	91	720124	22.156	ug/l	100
68) m/p-Xylenes	11.02	106	502389	47.414	ug/l	91
69) o-Xylene	11.41	106	233522	22.203	ug/l	97
70) Styrene	11.43	104	381963	21.938	ug/l	99
71) Bromoform	11.61	173	111189	21.383	ug/l	97
73) Isopropylbenzene	11.78	105	635302	20.099	ug/l	99
74) N-amyl acetate	11.65	43	231453	18.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	138111	20.041	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	146944	20.498	ug/l	96
77) Bromobenzene	12.04	156	199377	21.309	ug/l	96
78) n-propylbenzene	12.16	91	914206	22.227	ug/l	100
79) 2-Chlorotoluene	12.22	91	481582	20.524	ug/l	95
80) 1,3,5-Trimethylbenzene	12.33	105	544904	22.105	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	36768	20.708	ug/l	97
82) 4-Chlorotoluene	12.33	91	577891	23.647	ug/l	98
83) tert-Butylbenzene	12.58	119	597812	21.477	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	560289	21.139	ug/l	97
85) sec-Butylbenzene	12.76	105	707646	21.066	ug/l	98
86) p-Isopropyltoluene	12.89	119	570091	21.056	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	323288	20.426	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	329201	21.348	ug/l	96
89) n-Butylbenzene	13.20	91	624233	23.243	ug/l	96
90) Hexachloroethane	13.40	117	144057	20.847	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	278625	21.784	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20754	19.513	ug/l	87

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ClientSampleId :
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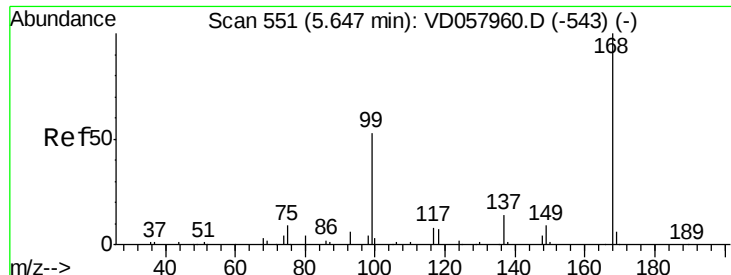
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	258641	21.644	ug/l	98
94) Hexachlorobutadiene	14.44	225	198490	21.118	ug/l	97
95) Naphthalene	14.52	128	326367	21.183	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	221429	21.743	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

Tot Ion:168 Resp: 885279

Ion Ratio Lower Upper

168 100

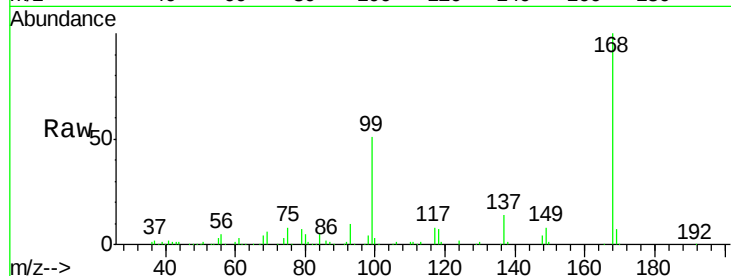
99 50.9 46.8 70.2

Manual Integrations

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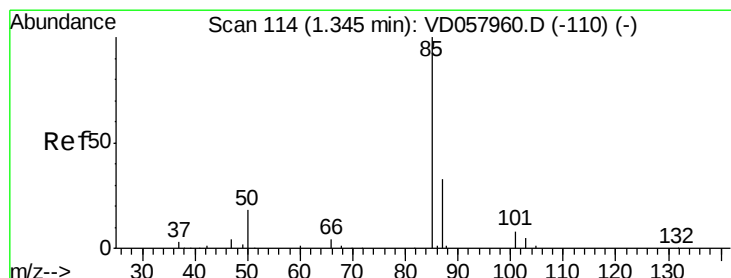
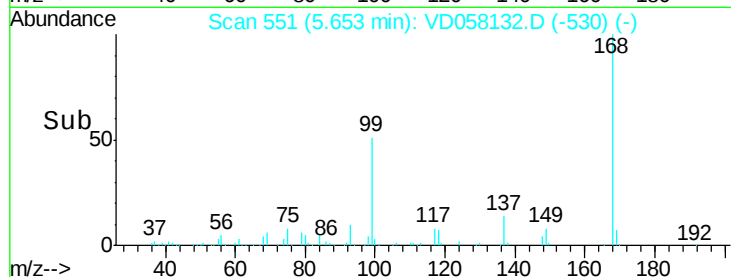
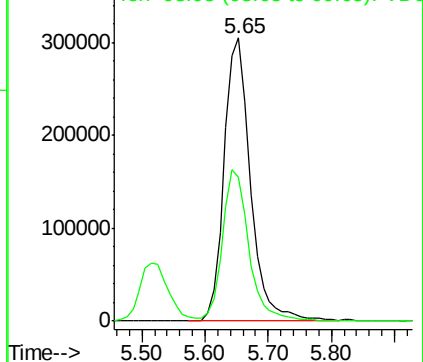
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.036 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058132.D

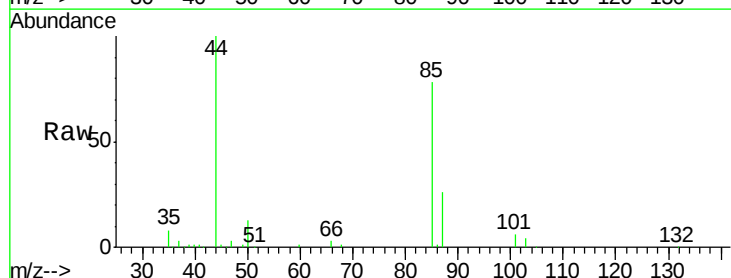
Acq: 14 Jun 2018 13:34

Tgt Ion: 85 Resp: 249944

Ion Ratio Lower Upper

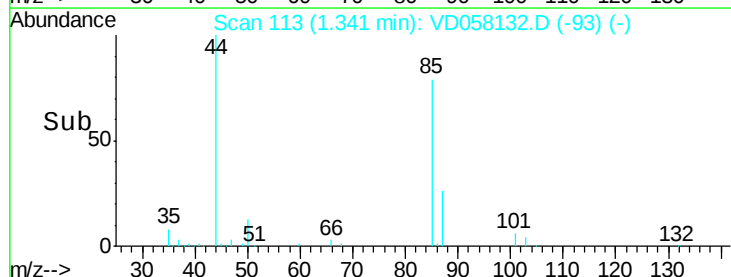
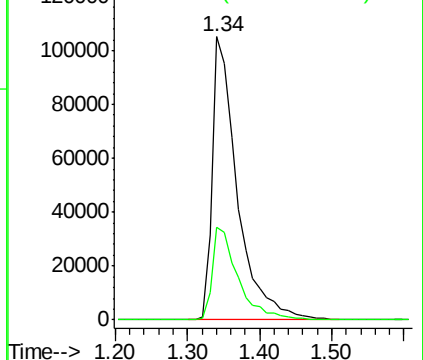
85 100

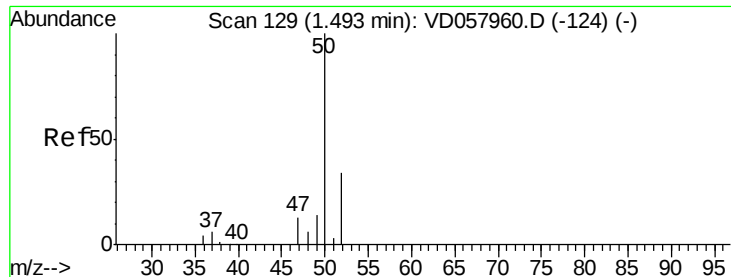
87 32.7 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.744 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 50 Resp: 115533

Ion Ratio Lower Upper

50 100

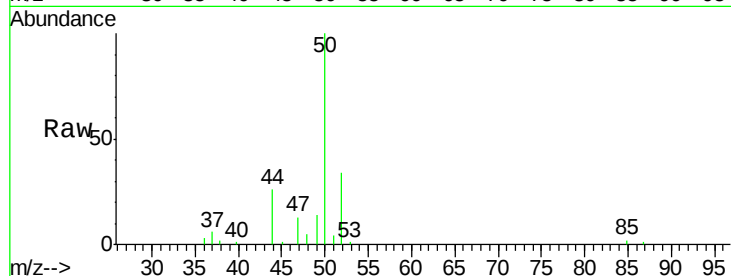
52 34.2 27.2 40.8

Manual Integrations

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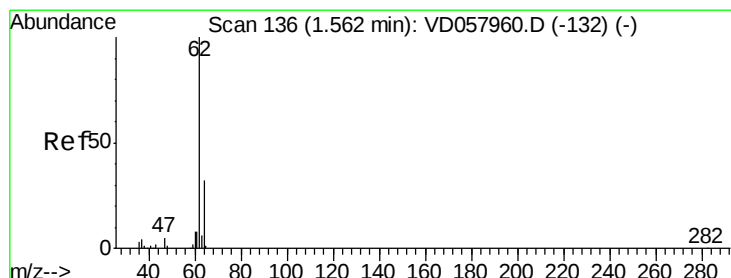
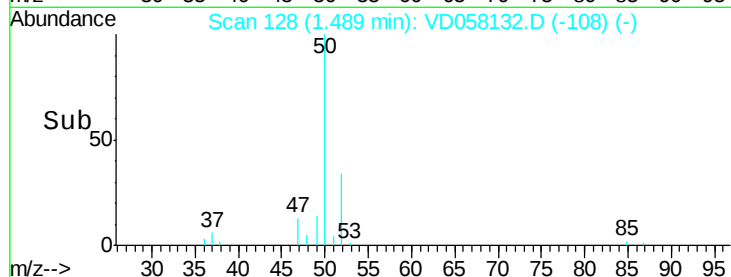
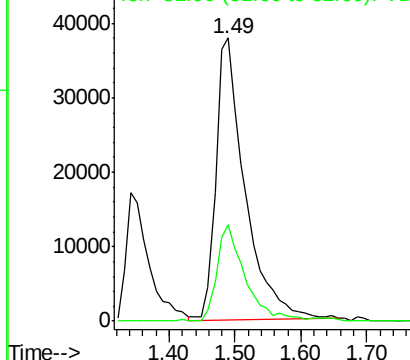
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.751 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058132.D

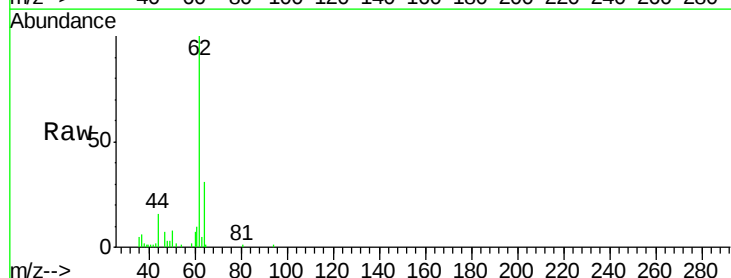
Acq: 14 Jun 2018 13:34

Tgt Ion: 62 Resp: 111873

Ion Ratio Lower Upper

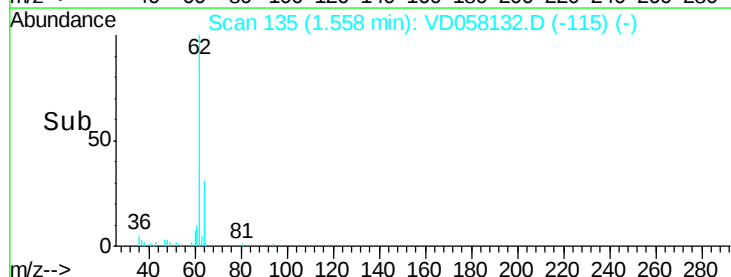
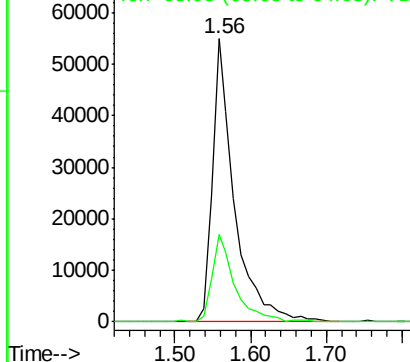
62 100

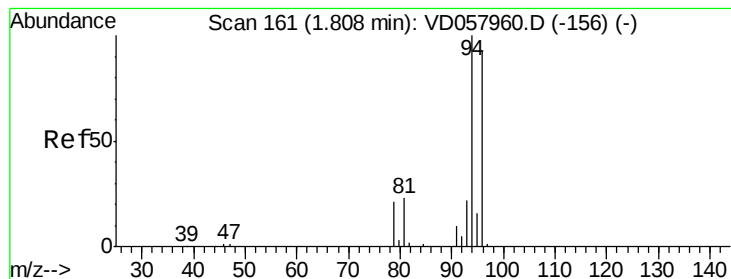
64 30.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.757 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 94 Resp: 41641

Ion Ratio Lower Upper

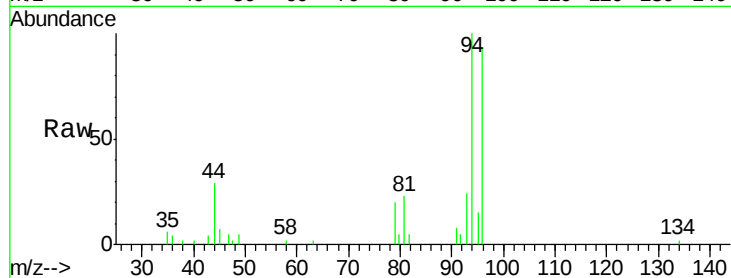
94 100

96 92.9 74.3 111.5

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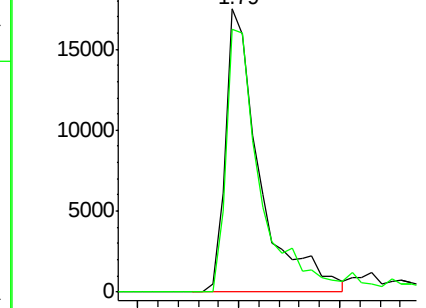
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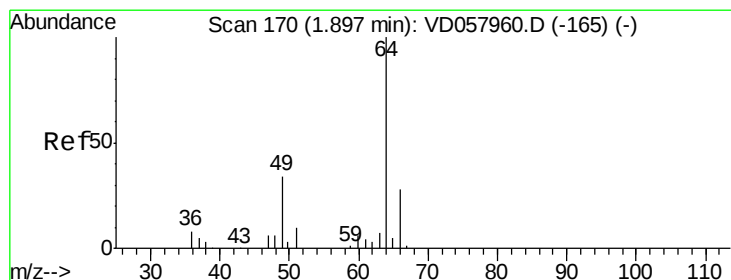
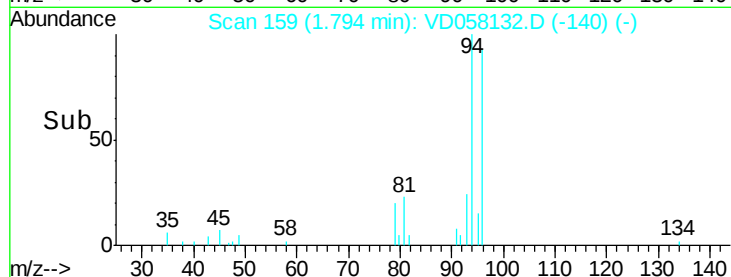


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 18.142 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD058132.D

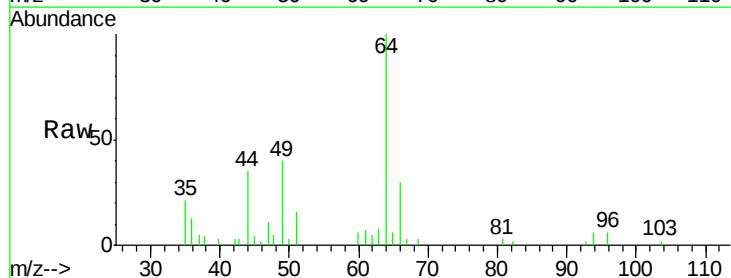
Acq: 14 Jun 2018 13:34

Tgt Ion: 64 Resp: 40543

Ion Ratio Lower Upper

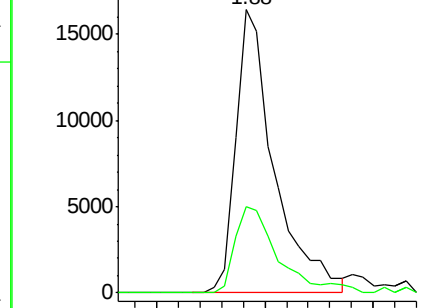
64 100

66 30.3 22.8 34.2

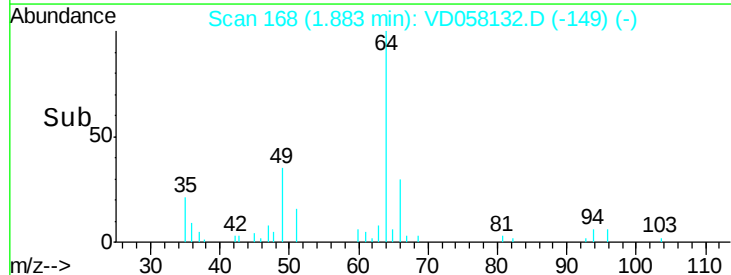


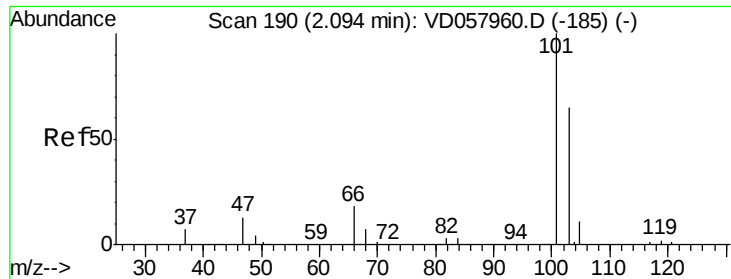
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

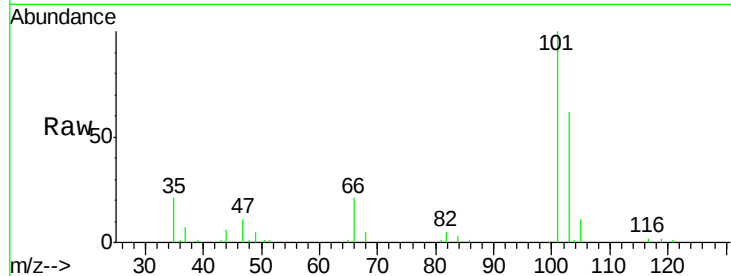
Trichlorofluoromethane
 Concen: 21.071 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
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 VD0614SBSD01

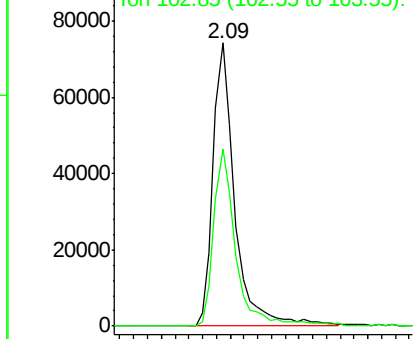
Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.4	78.6

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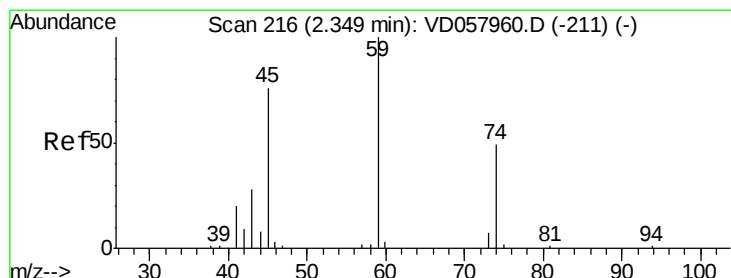
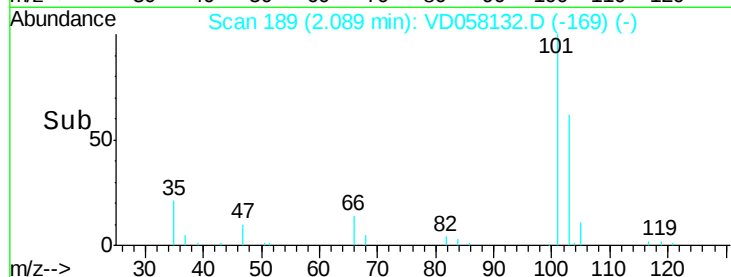
apatel
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Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



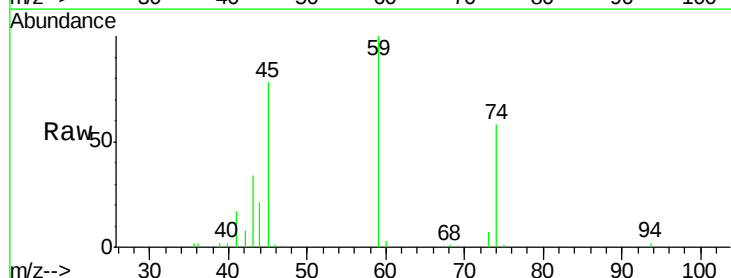
Time-->



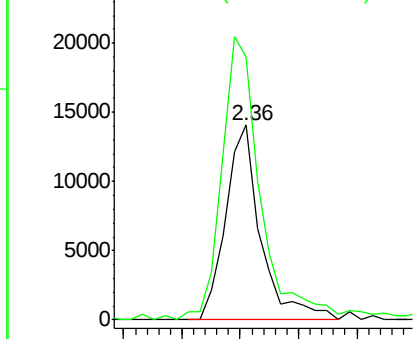
#8

Diethyl Ether
 Concen: 20.307 ug/l
 RT: 2.36 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

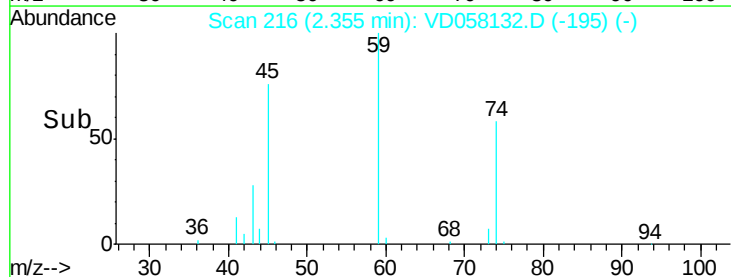
Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.2	77.1	231.3

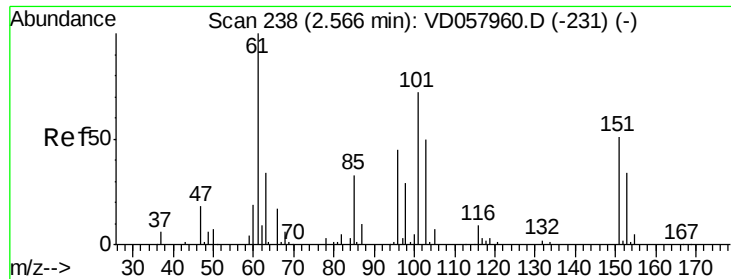


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.856 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

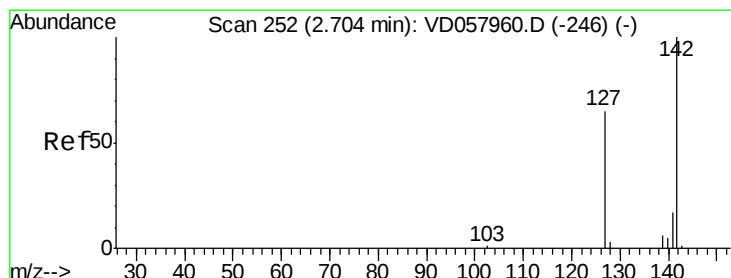
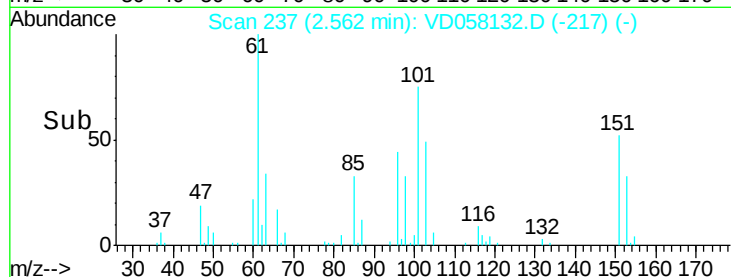
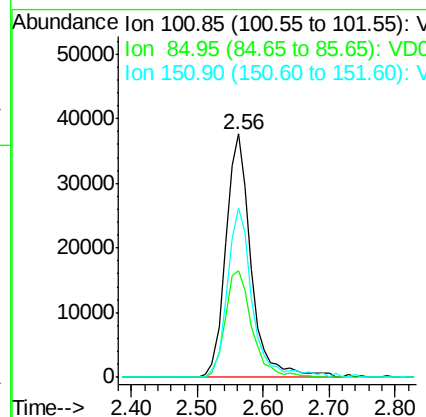
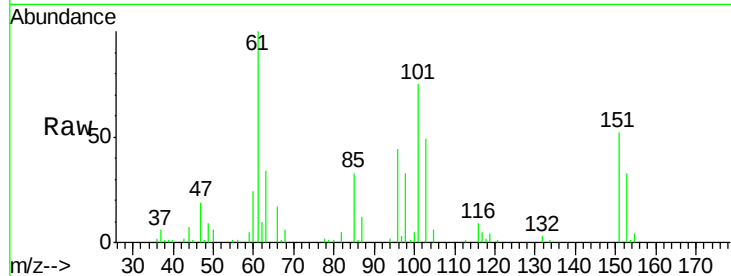
ClientSampleId :

VD0614SBS01

Tot Ion:	101	Resp:	100941
Ion Ratio	Lower	Upper	
101	100		
85	44.0	37.3	55.9
151	69.5	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.014 ug/l

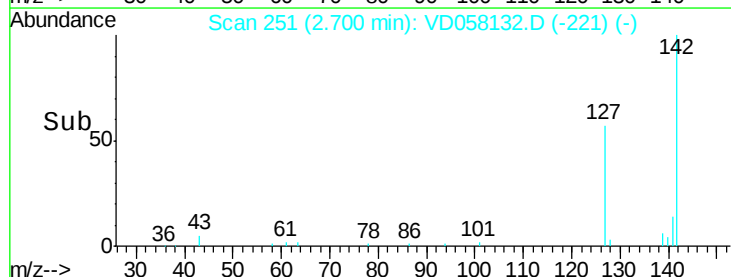
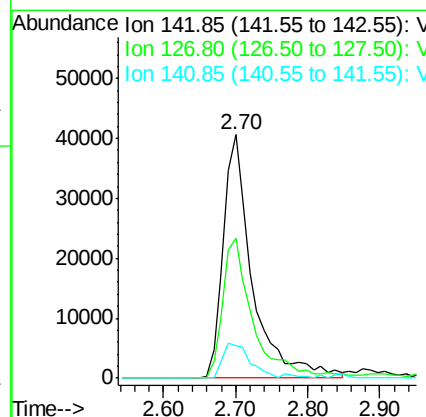
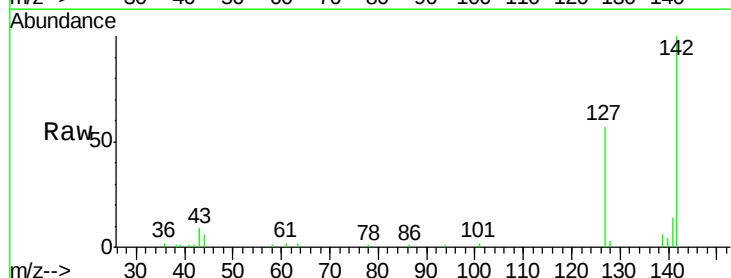
RT: 2.70 min Scan# 251

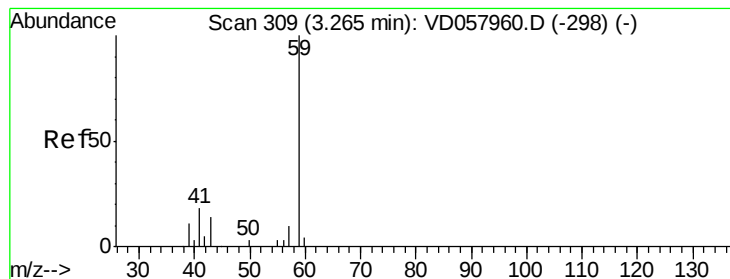
Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	142	Resp:	113311
Ion Ratio	Lower	Upper	
142	100		
127	57.4	52.0	78.0
141	13.5	13.2	19.8





#11

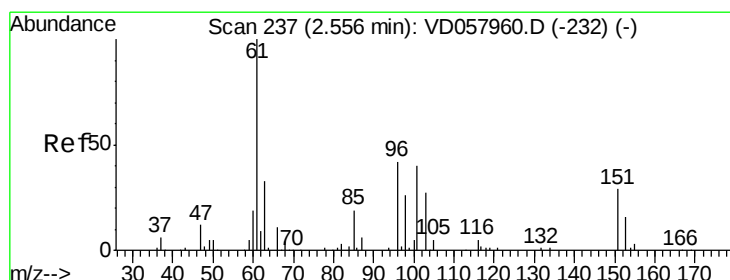
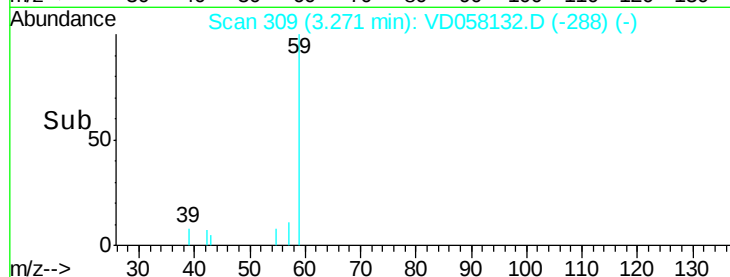
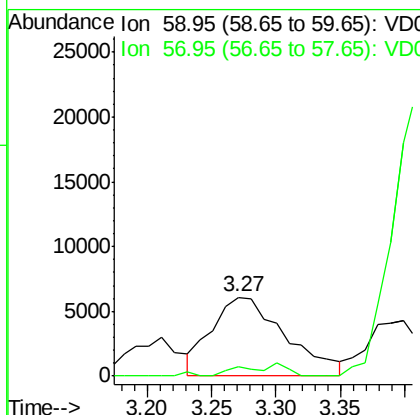
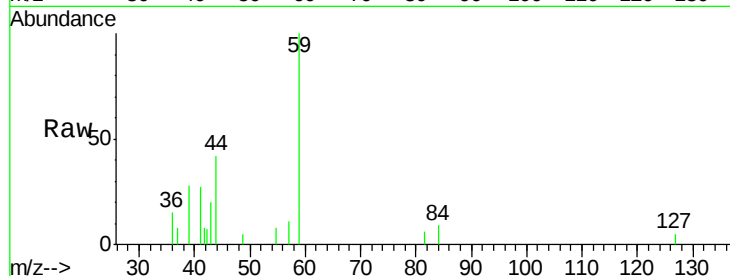
Tert butyl alcohol
 Concen: 102.744 ug/l m
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 59 Resp: 24360
 Ion Ratio Lower Upper
 59 100
 57 11.4 7.8 11.6

Manual Integrations
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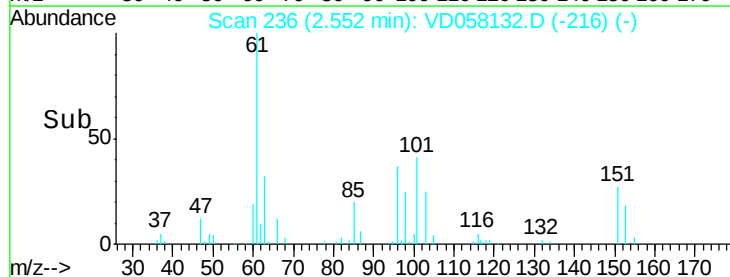
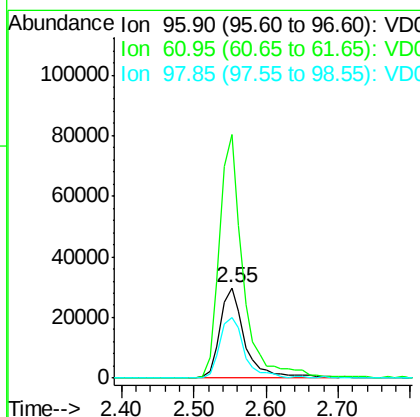
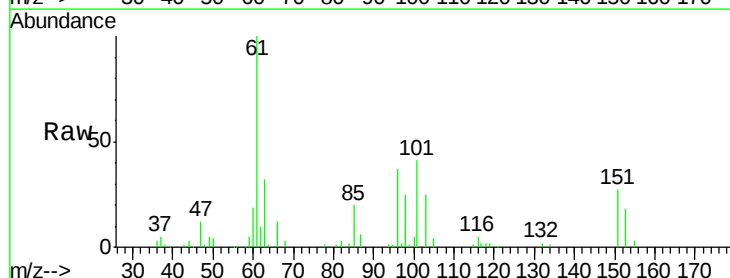
apatel
 6/15/2018 2:55:12 PM

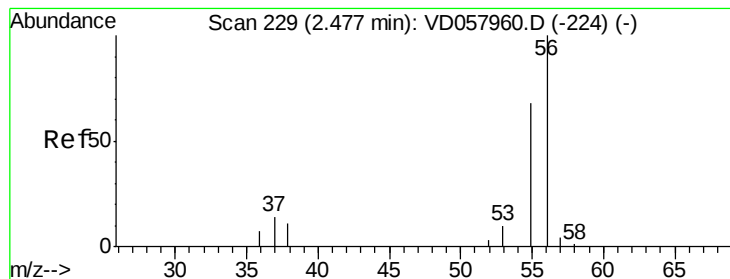


#12

1,1-Dichloroethene
 Concen: 19.927 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 96 Resp: 70751
 Ion Ratio Lower Upper
 96 100
 61 269.0 190.2 285.4
 98 66.8 49.6 74.4





#13

Acrolein

Concen: 80.936 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 56 Resp: 27482

Ion Ratio Lower Upper

56 100

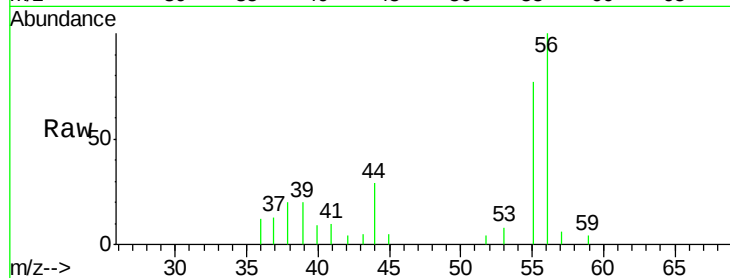
55 76.9 54.0 81.0

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

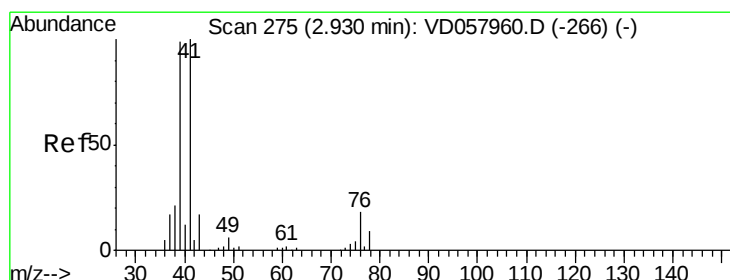
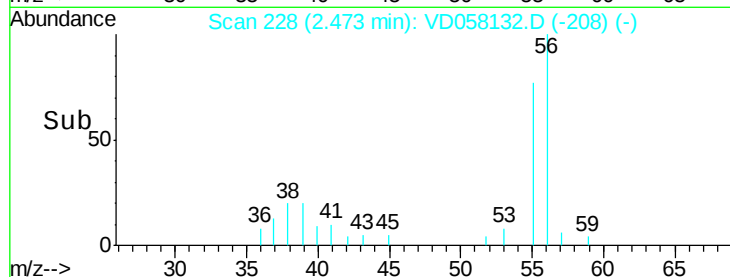
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.808 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

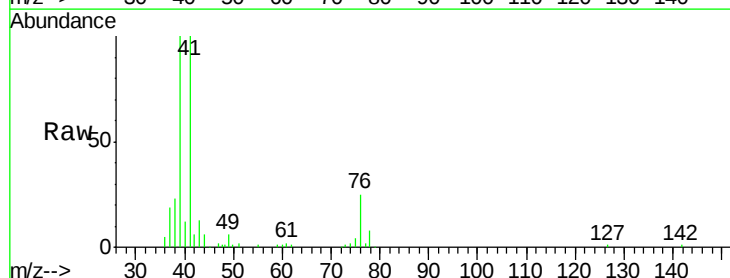
Tgt Ion: 41 Resp: 162238

Ion Ratio Lower Upper

41 100

39 99.5 79.5 119.3

76 24.9 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

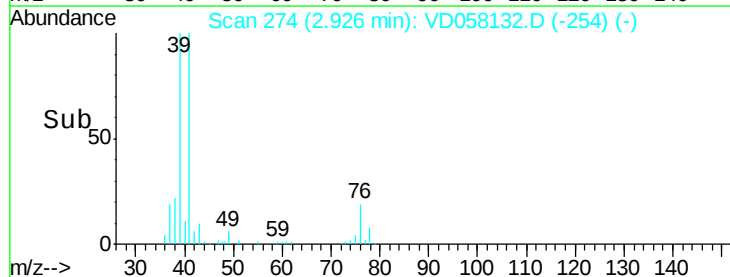
15000

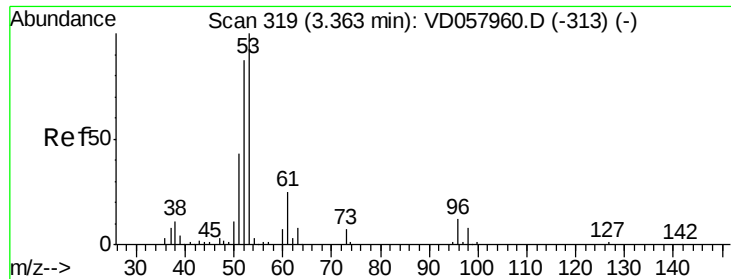
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 80.307 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

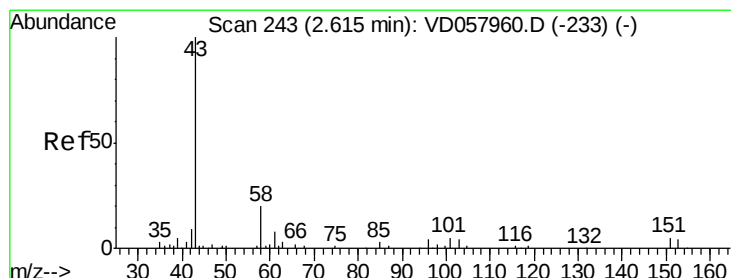
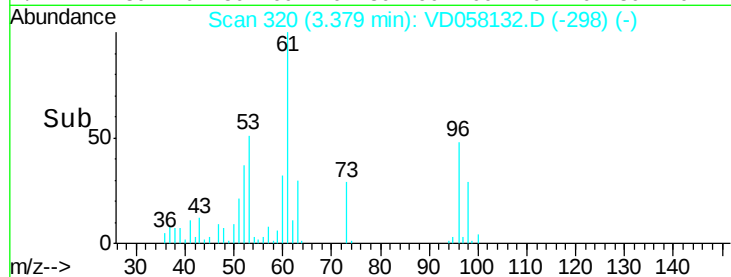
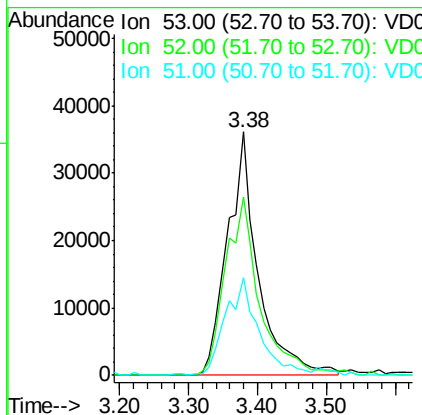
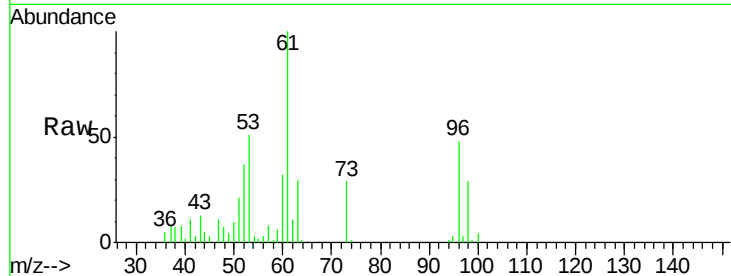
ClientSampleId :

VD0614SBS01

Tot Ion:	53	Resp:	111389
Ion Ratio	Lower	Upper	
53	100		
52	73.3	69.9	104.9
51	40.3	34.3	51.5

Manual Integrations
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#16

Acetone

Concen: 96.829 ug/l

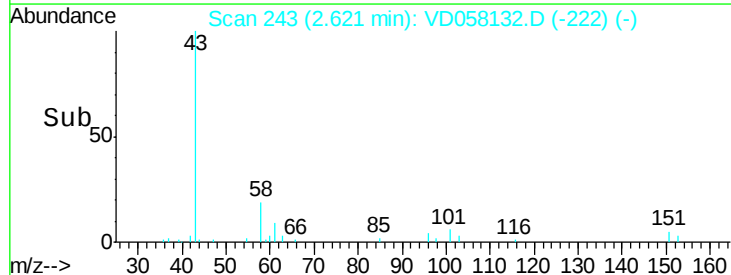
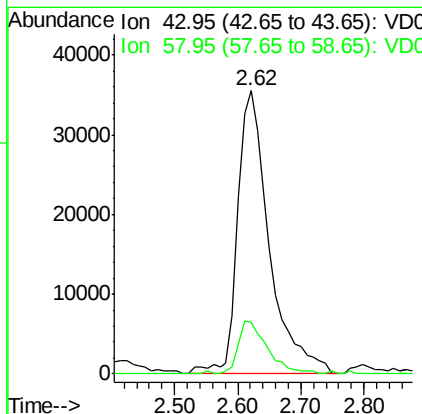
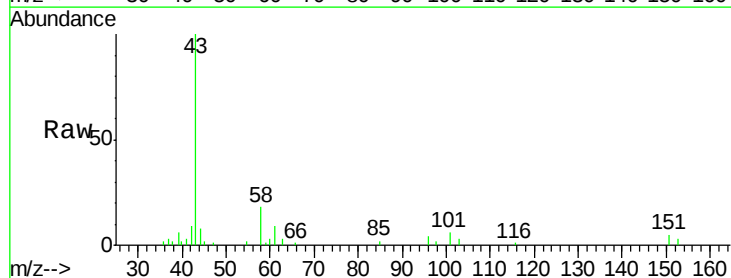
RT: 2.62 min Scan# 243

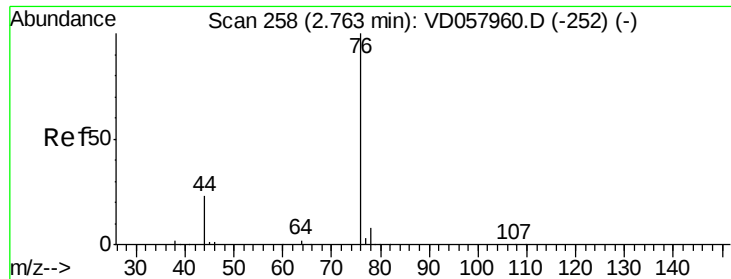
Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	43	Resp:	123470
Ion Ratio	Lower	Upper	
43	100		
58	18.4	15.8	23.8





#17

Carbon Disulfide

Concen: 19.208 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 76 Resp: 247061

Ion Ratio Lower Upper

76 100

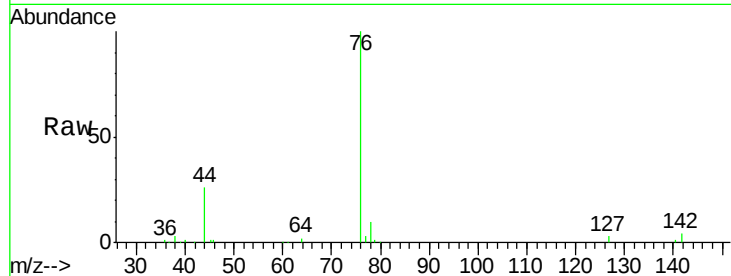
78 10.4 6.7 10.1#

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

2.76

120000

100000

80000

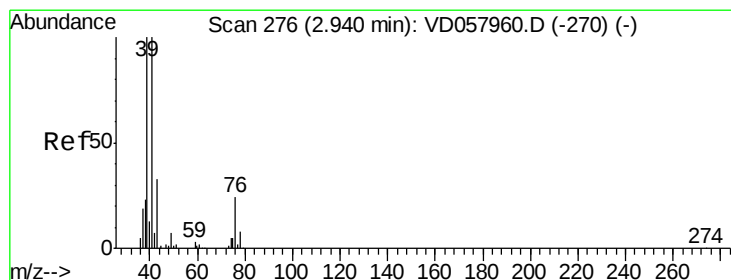
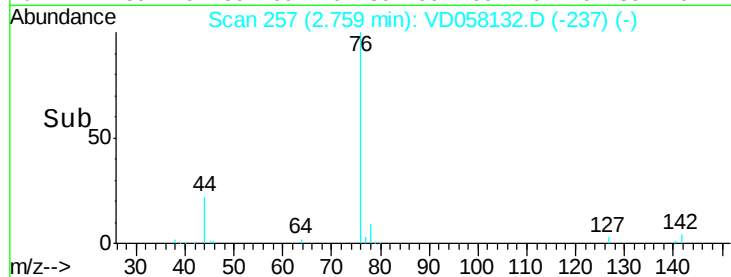
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.987 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058132.D

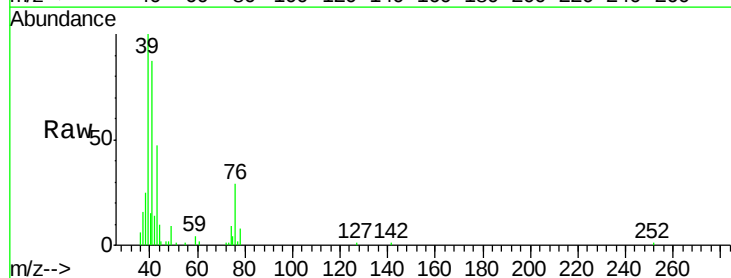
Acq: 14 Jun 2018 13:34

Tgt Ion: 43 Resp: 46835

Ion Ratio Lower Upper

43 100

74 20.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.95

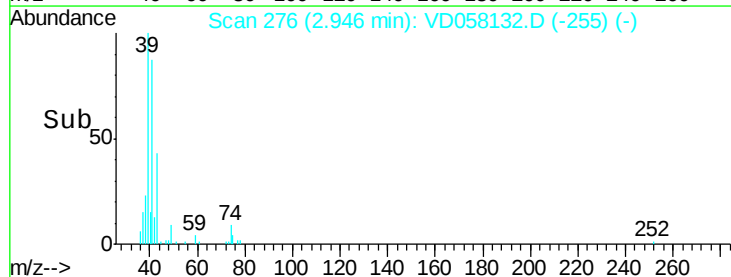
15000

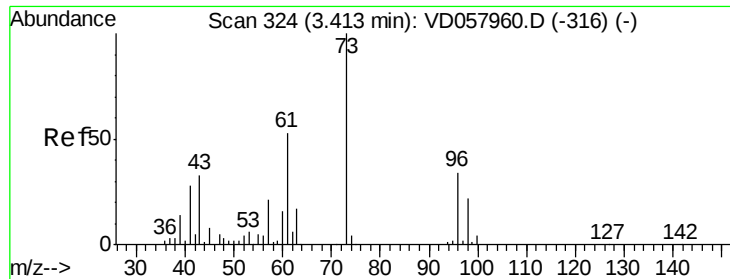
10000

5000

0

Time-->





#19

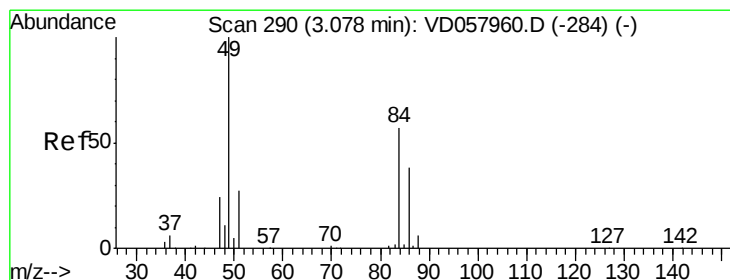
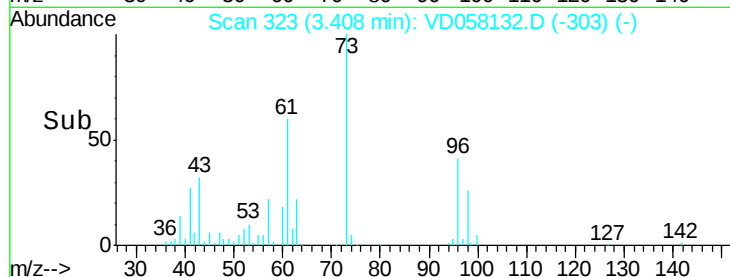
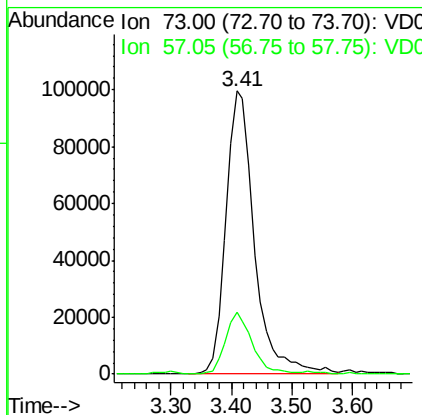
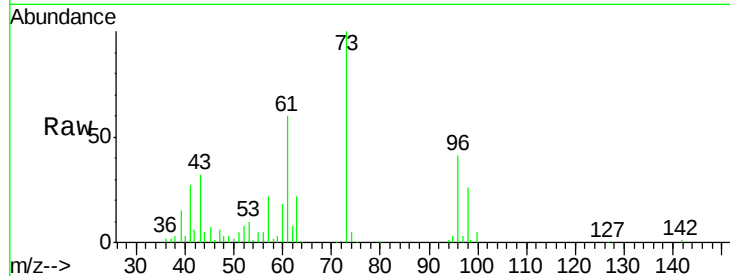
Methyl tert-butyl Ether
 Concen: 20.811 ug/l
 RT: 3.41 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 73 Resp: 325127
 Ion Ratio Lower Upper
 73 100
 57 22.0 16.7 25.1

Manual Integrations
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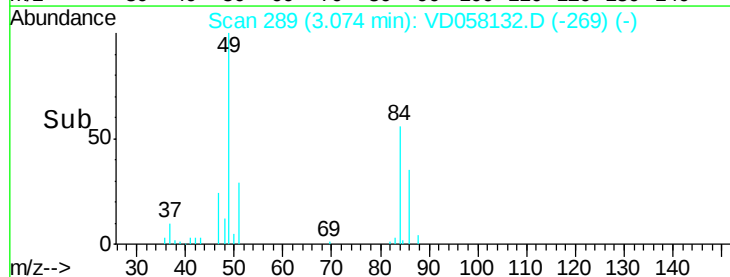
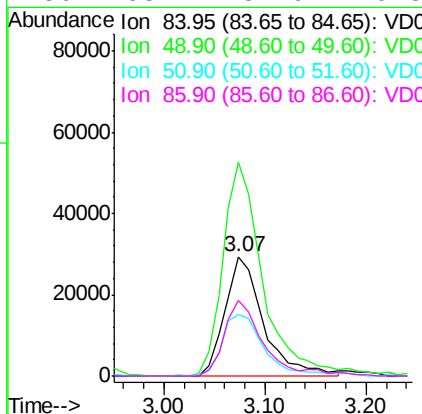
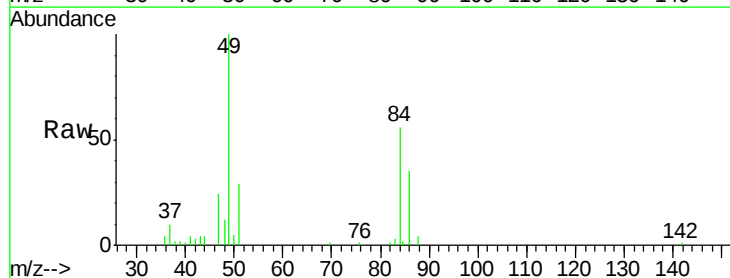
apatel
 6/15/2018 2:55:12 PM

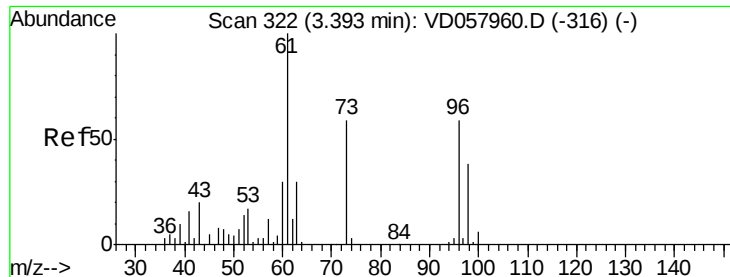


#20

Methylene Chloride
 Concen: 20.491 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 84 Resp: 77597
 Ion Ratio Lower Upper
 84 100
 49 178.5 141.4 212.0
 51 51.6 38.3 57.5
 86 63.2 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 96 Resp: 160780

Ion Ratio Lower Upper

96 100

61 164.5 135.2 202.8

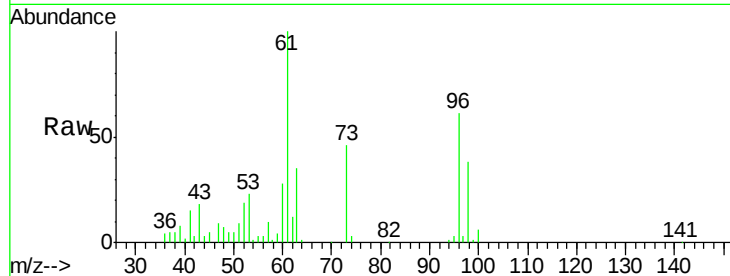
98 62.8 51.7 77.5

Manual Integrations

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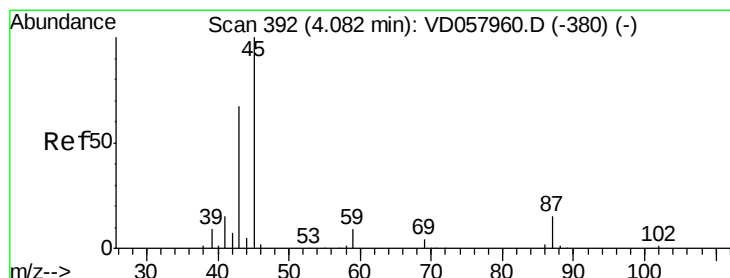
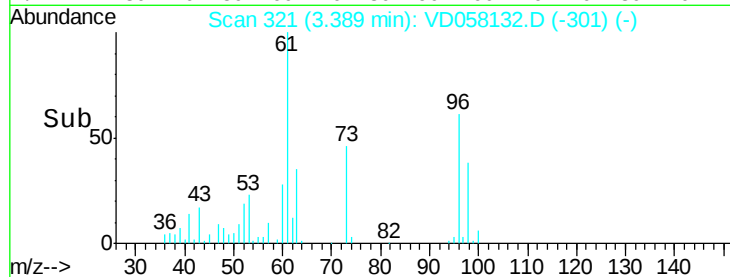
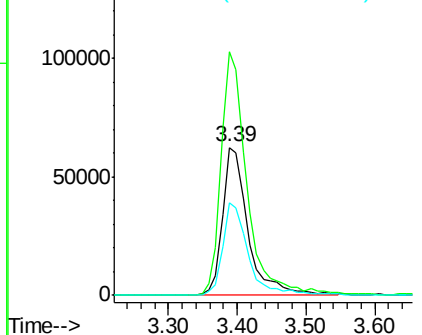
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.342 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion: 45 Resp: 627615

Ion Ratio Lower Upper

45 100

43 66.5 53.8 80.8

87 17.5 12.5 18.7

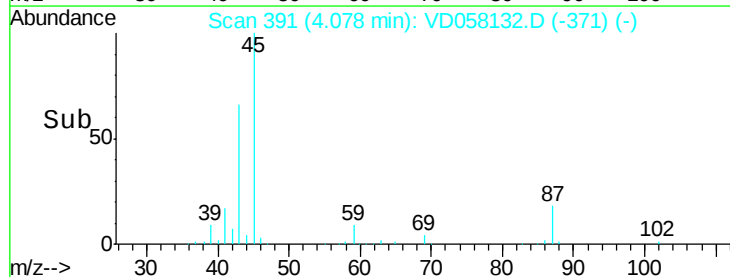
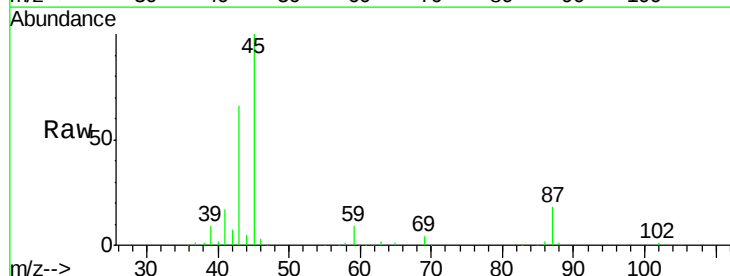
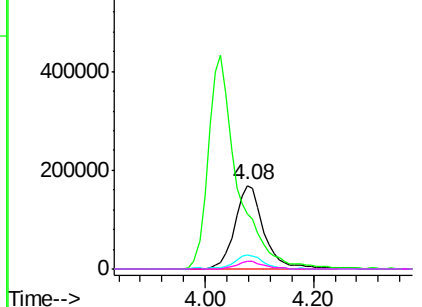
59 8.9 7.3 10.9

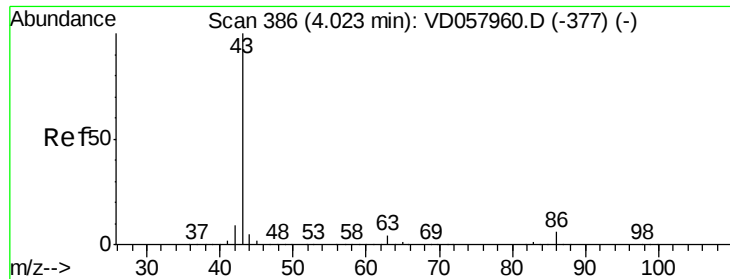
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





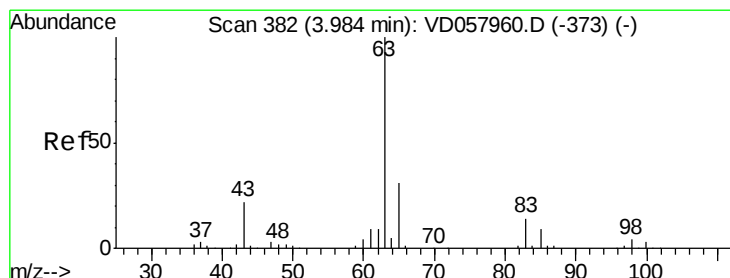
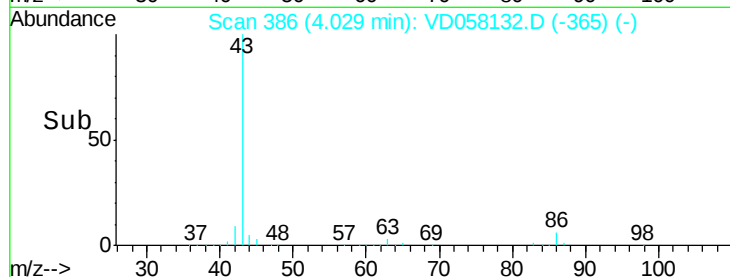
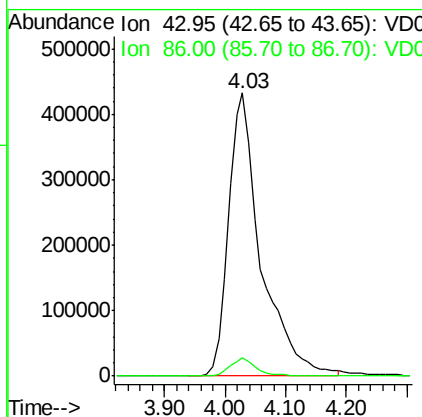
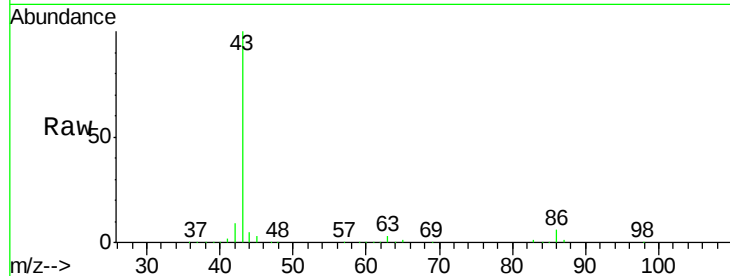
#23
 Vinyl Acetate
 Concen: 95.609 ug/l
 RT: 4.03 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0614SBS01

Tot Ion: 43 Resp: 1602912
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.7 7.1

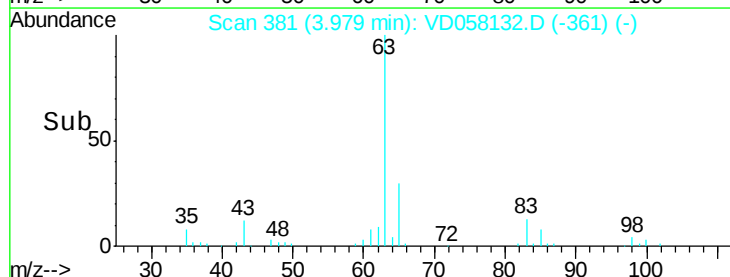
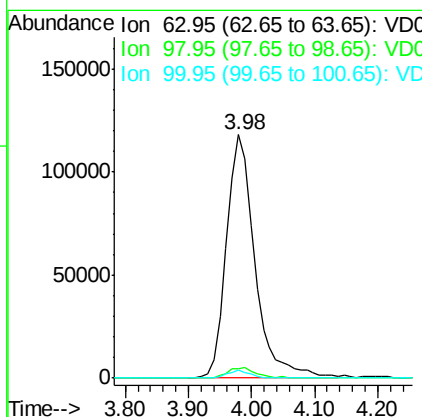
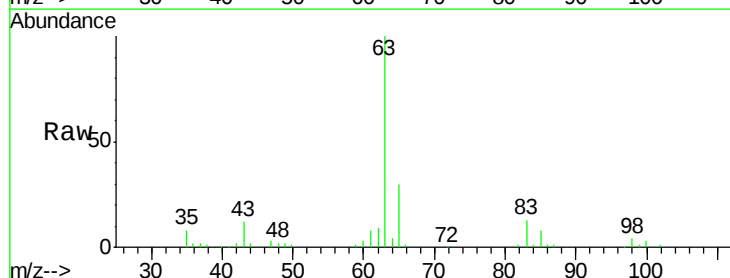
Manual Integrations
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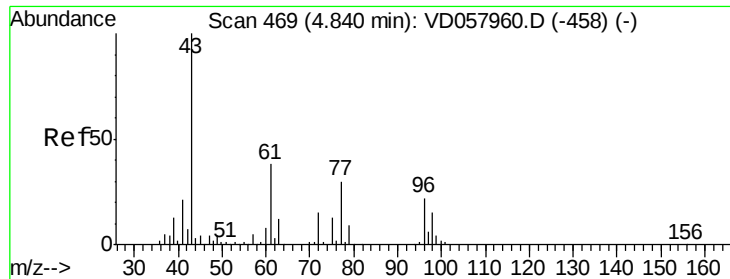
apatel
 6/15/2018 2:55:12 PM



#24
 1,1-Dichloroethane
 Concen: 20.700 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 63 Resp: 369149
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.0 5.8
 100 3.2 1.4 4.2





#25

2-Butanone

Concen: 92.995 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

Tot Ion: 43 Resp: 269491

Ion Ratio Lower Upper

43 100

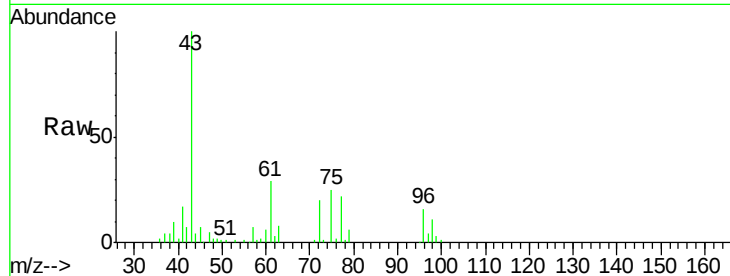
72 19.9 12.0 18.0#

Manual Integrations

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apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.85

80000

60000

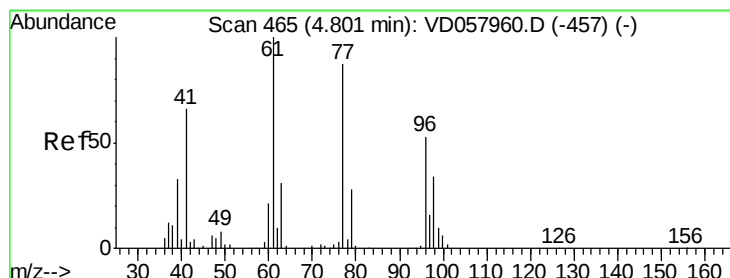
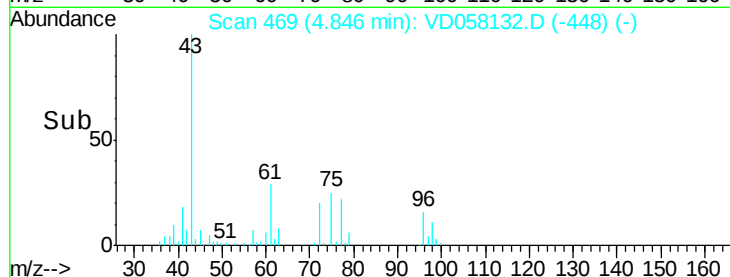
40000

20000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.809 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058132.D

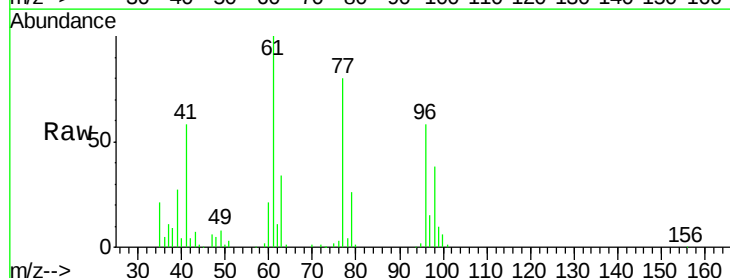
Acq: 14 Jun 2018 13:34

Tgt Ion: 77 Resp: 305696

Ion Ratio Lower Upper

77 100

97 18.8 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.81

100000

80000

60000

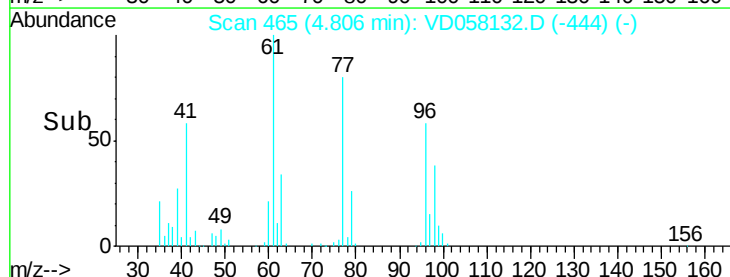
40000

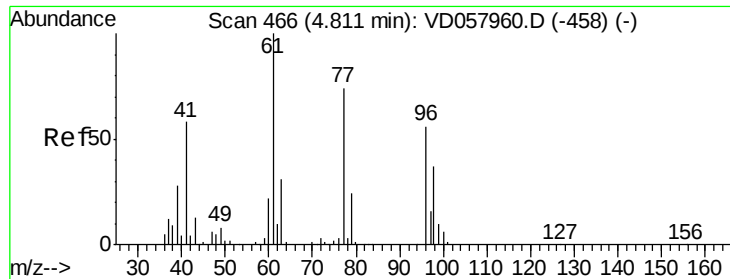
20000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

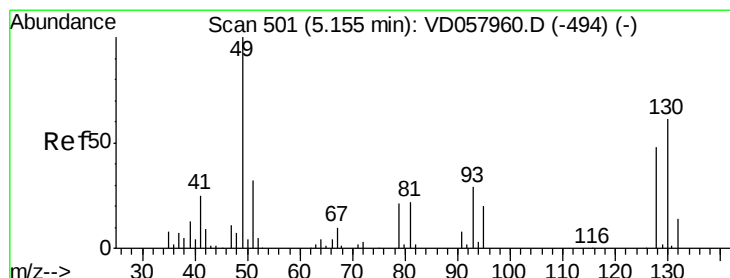
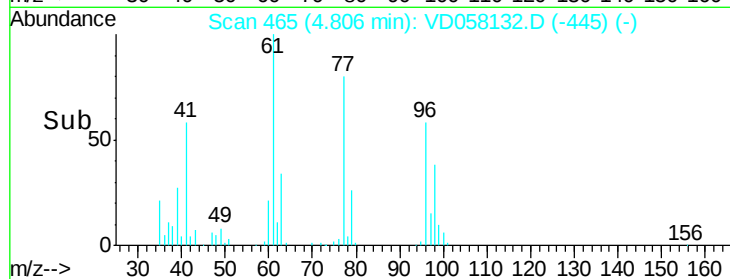
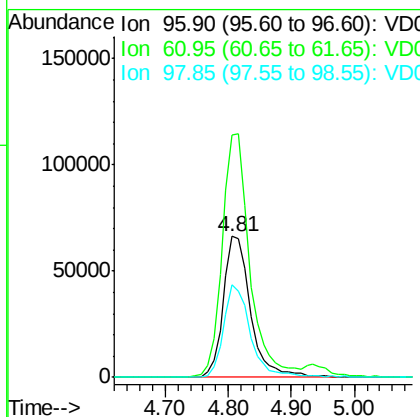
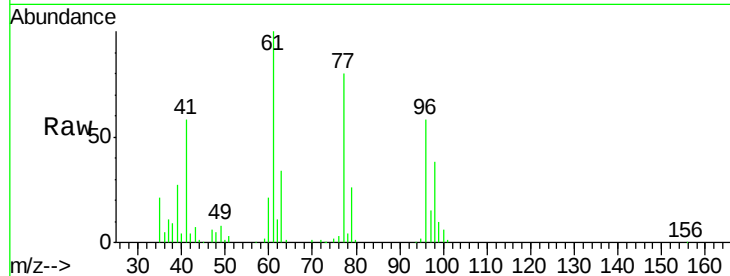
cis-1,2-Dichloroethene
Concen: 21.226 ug/l
RT: 4.81 min Scan# 465
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.2	0.0	355.0
98	65.8	0.0	129.6

Manual Integrations
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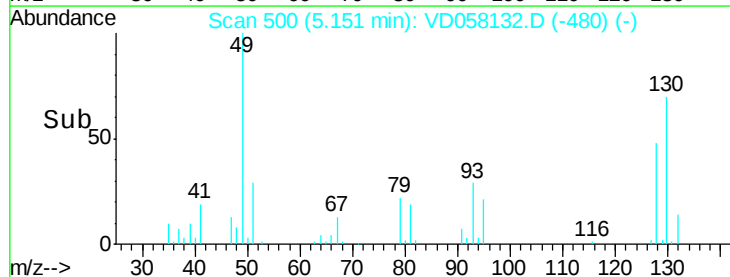
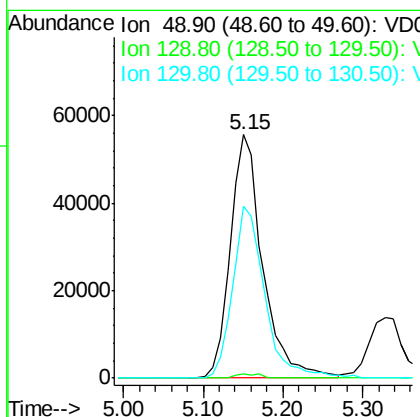
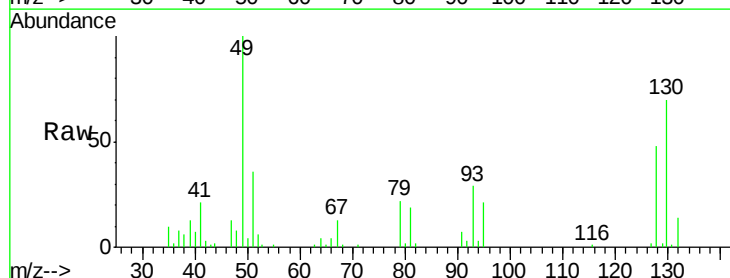
apatel
6/15/2018 2:55:12 PM

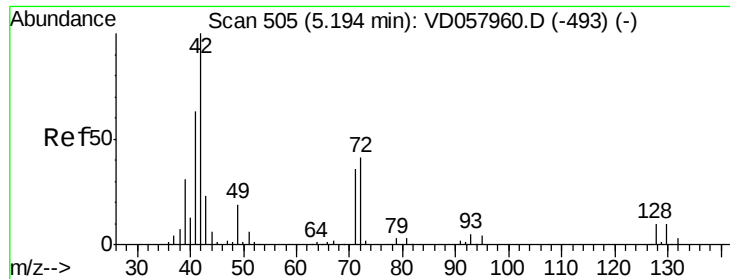


#28

Bromochloromethane
Concen: 20.409 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	70.4	48.8	73.2





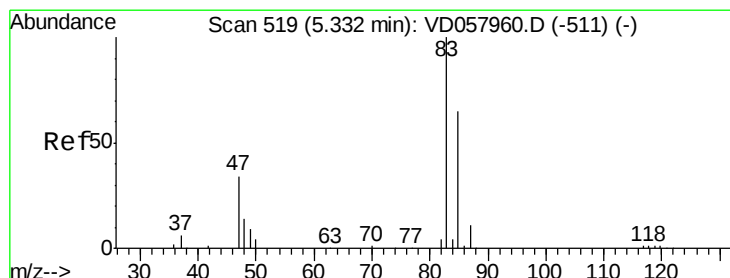
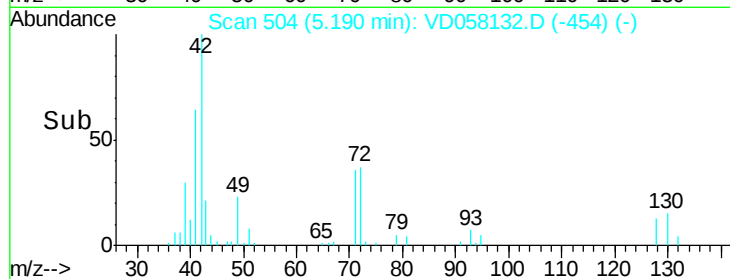
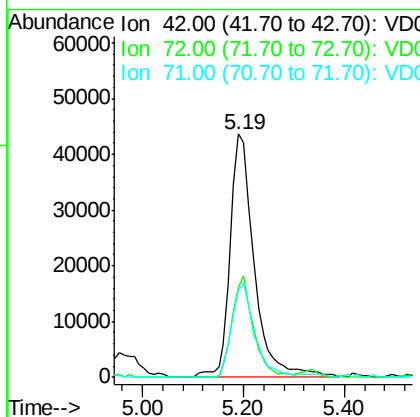
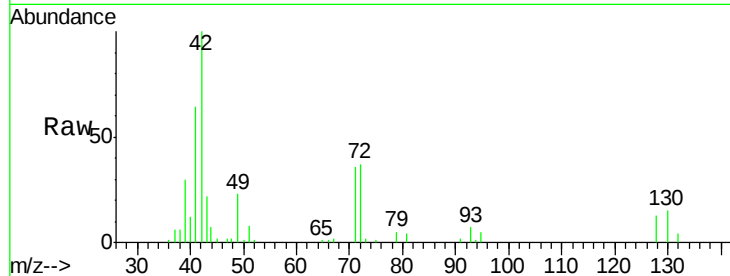
#29
Tetrahydrofuran
Concen: 94.384 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.5	42.7
71	36.9	27.9	41.9

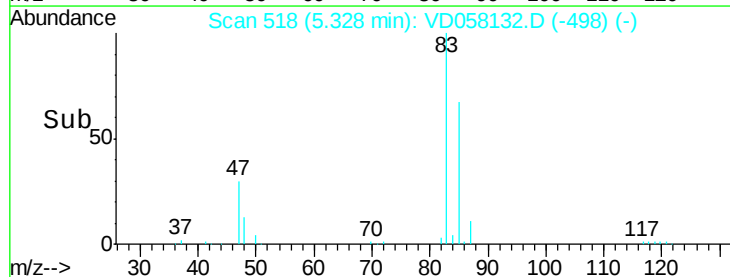
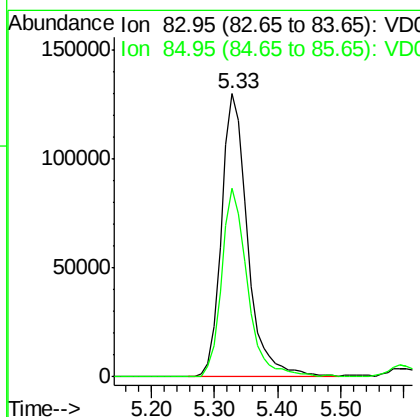
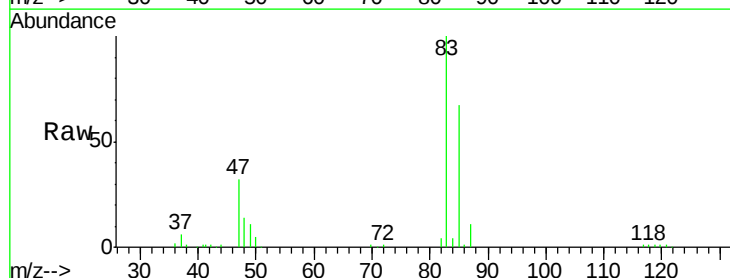
Manual Integrations
APPROVED

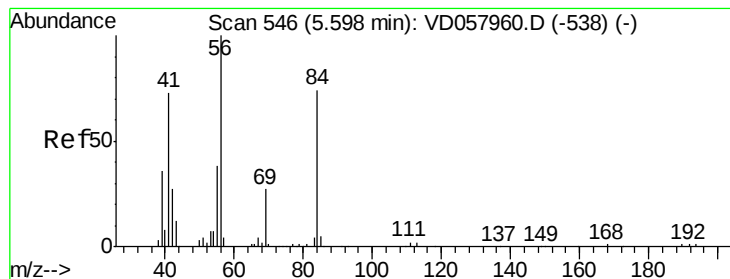
apatel
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#30
Chloroform
Concen: 20.965 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.6	77.4





#31

Cyclohexane

Concen: 20.151 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

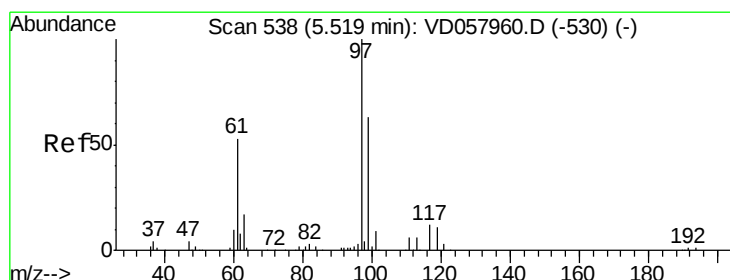
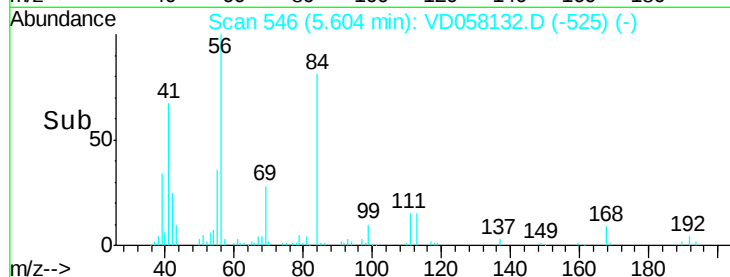
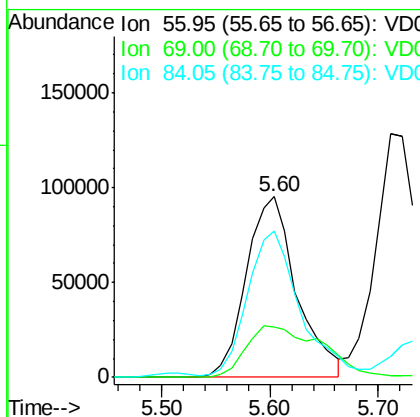
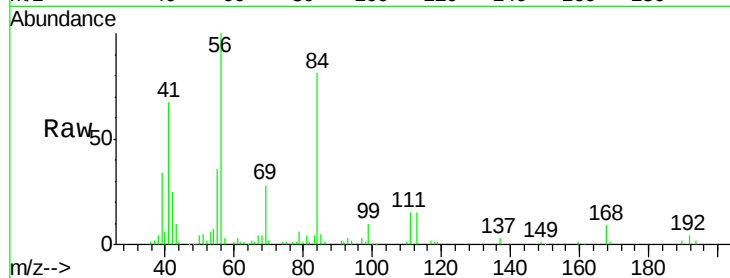
ClientSampleId :

VD0614SBS01

Tot Ion:	56	Resp:	310111
Ion	Ratio	Lower	Upper
56	100		
69	27.6	21.5	32.3
84	81.0	61.0	91.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.828 ug/l

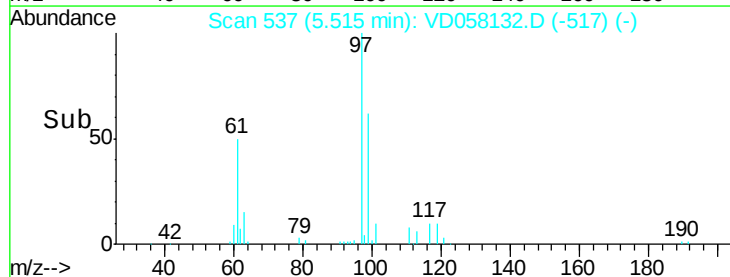
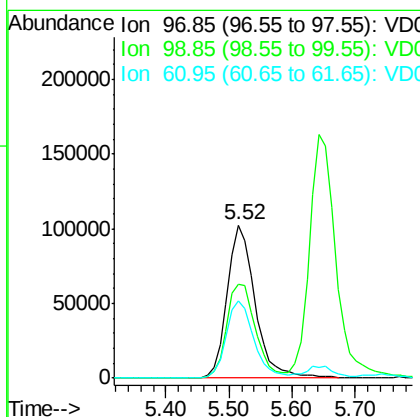
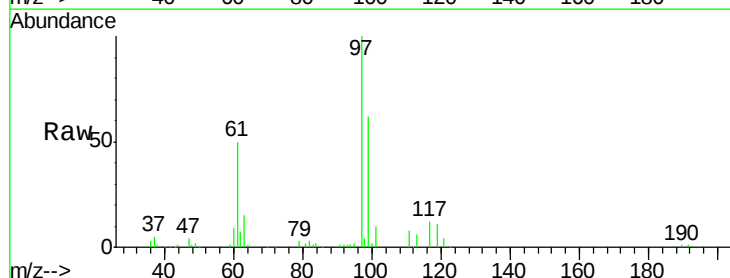
RT: 5.52 min Scan# 537

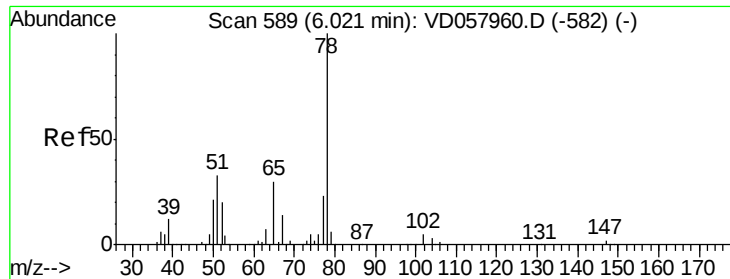
Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	97	Resp:	312992
Ion	Ratio	Lower	Upper
97	100		
99	61.6	50.1	75.1
61	50.2	42.2	63.4





#33

1,2-Dichloroethane-d4

Concen: 20.828 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 65 Resp: 395016

Ion Ratio Lower Upper

65 100

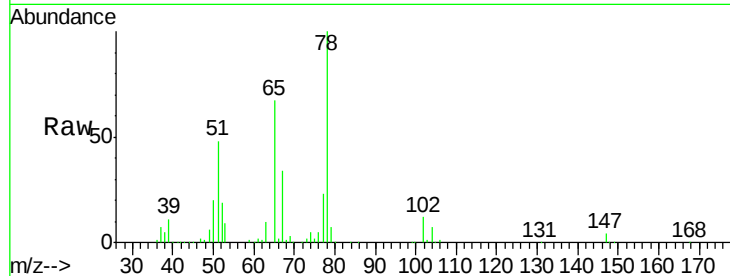
67 49.9 0.0 94.0

Manual Integrations

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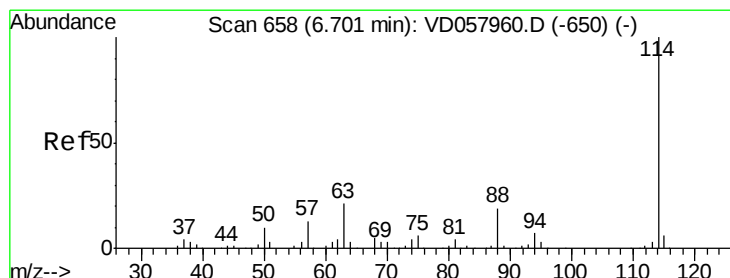
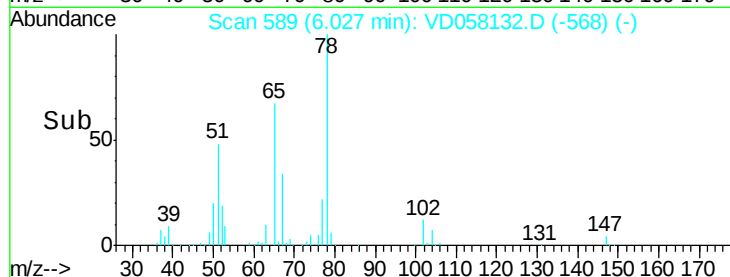
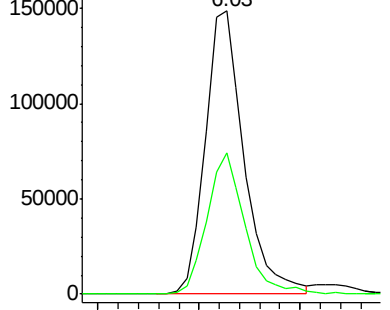
apatel

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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: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

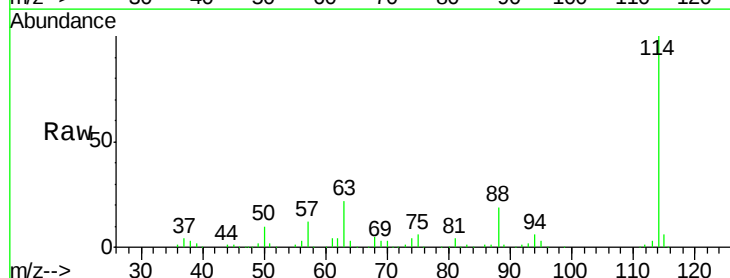
Tgt Ion: 114 Resp: 1157905

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

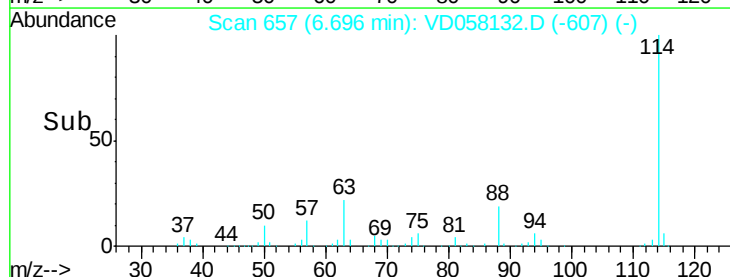
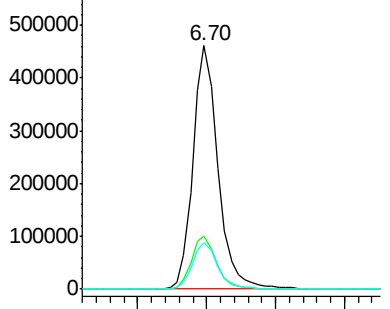
88 19.1 0.0 37.8

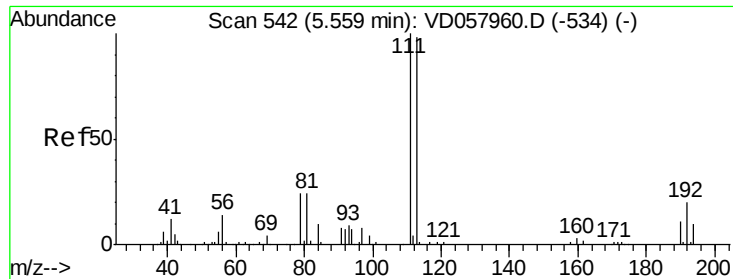


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

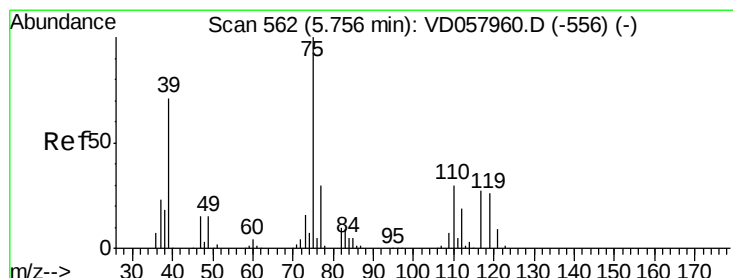
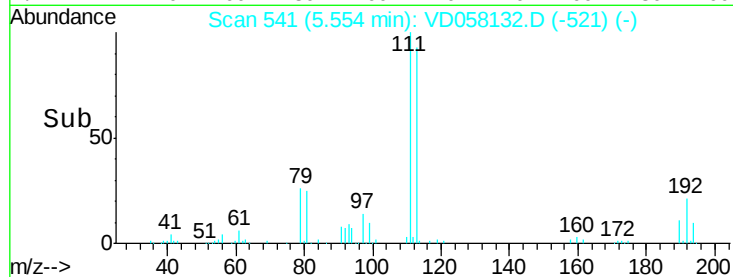
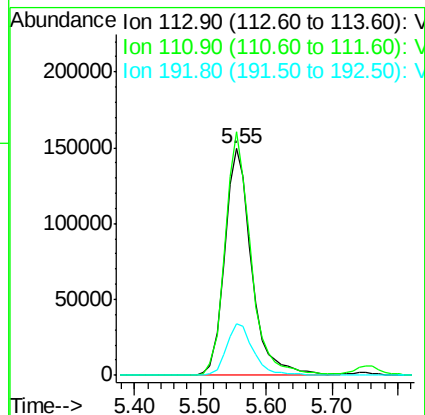
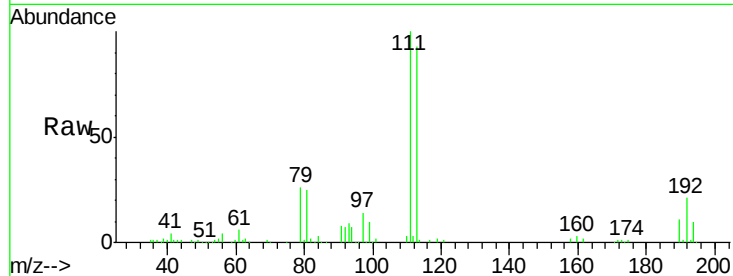
ClientSampleId :

VD0614SBS01

Tot Ion:	113	Resp:	426447
Ion	Ratio	Lower	Upper
113	100		
111	107.6	81.5	122.3
192	22.9	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.938 ug/l

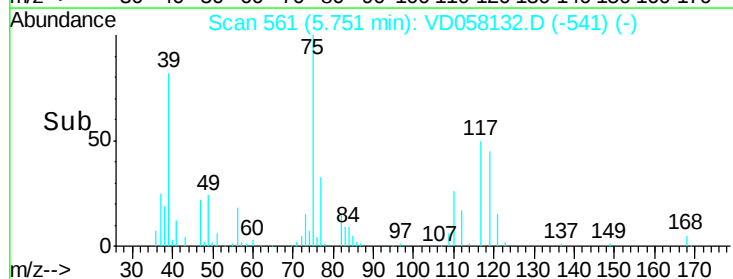
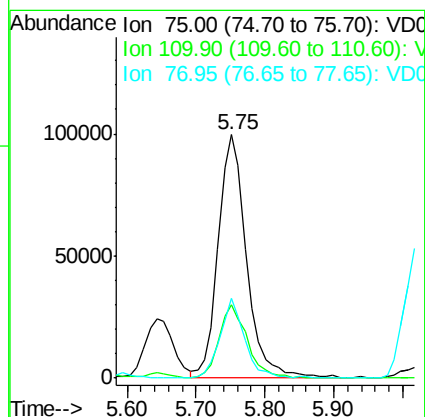
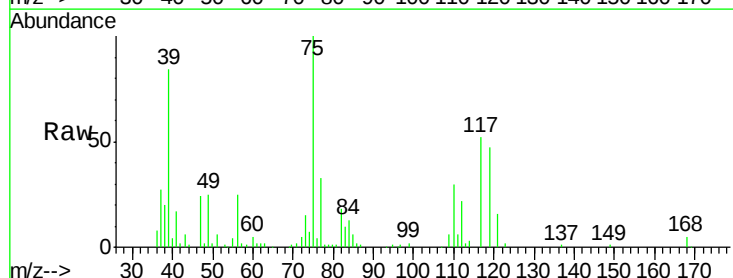
RT: 5.75 min Scan# 561

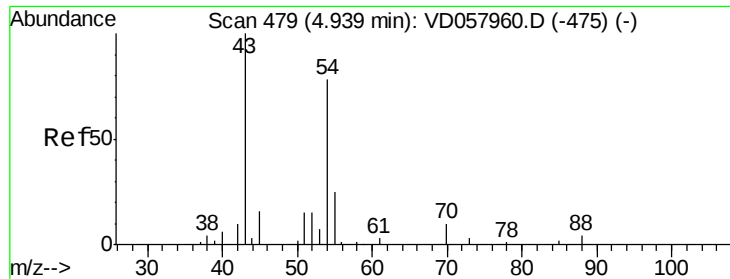
Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	75	Resp:	279863
Ion	Ratio	Lower	Upper
75	100		
110	29.9	14.8	44.3
77	32.6	23.9	35.9





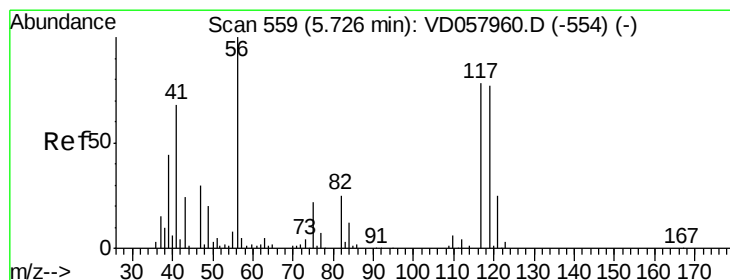
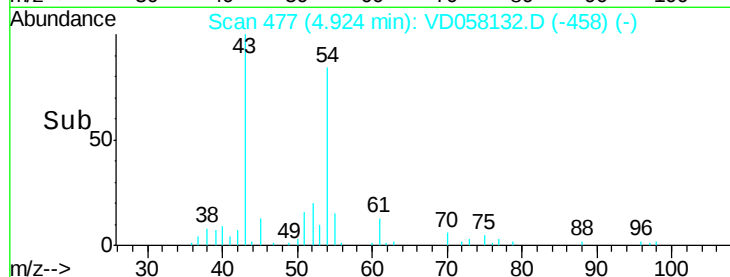
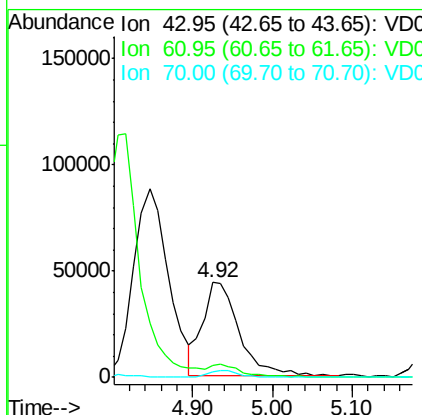
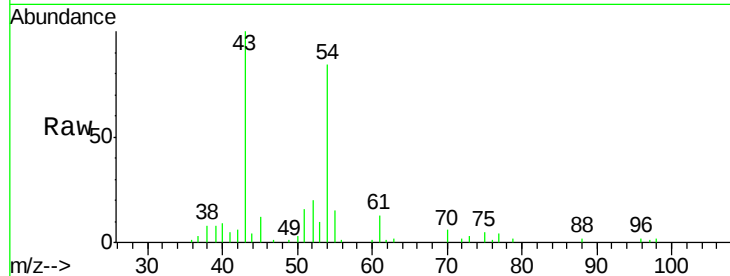
#37
Ethyl Acetate
Concen: 20.301 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.9	14.9
70	6.4	5.7	8.5

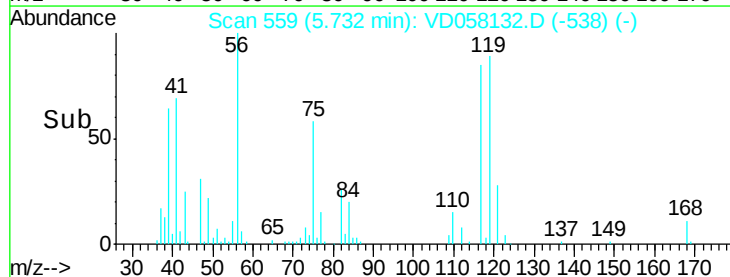
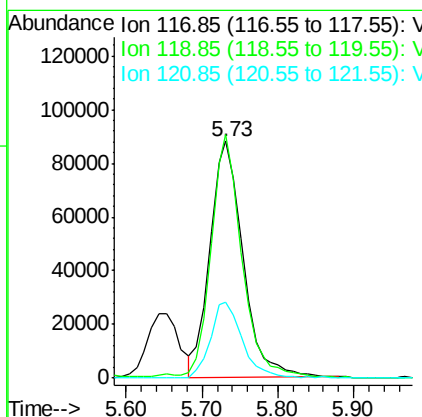
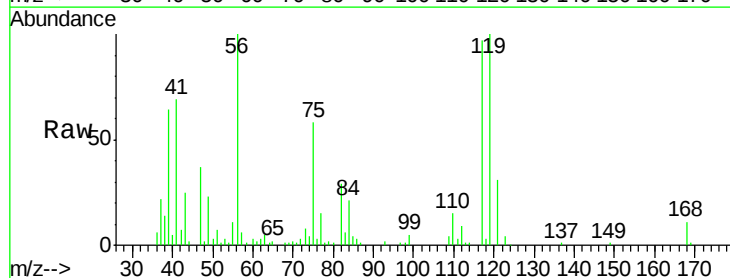
Manual Integrations
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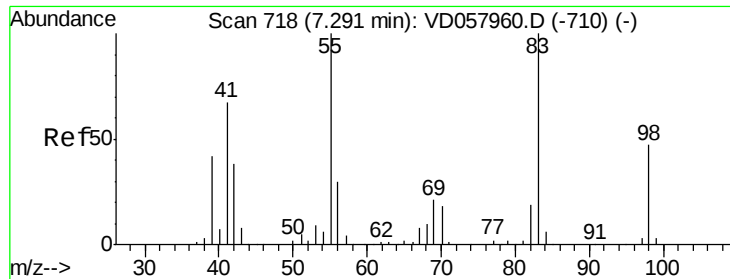
apatel
6/15/2018 2:55:12 PM



#38
Carbon Tetrachloride
Concen: 21.237 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.1	114.1
121	31.9	24.9	37.3





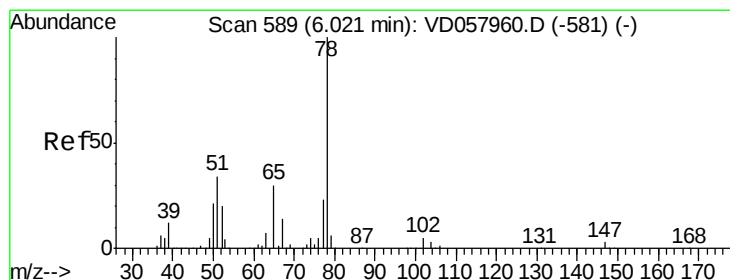
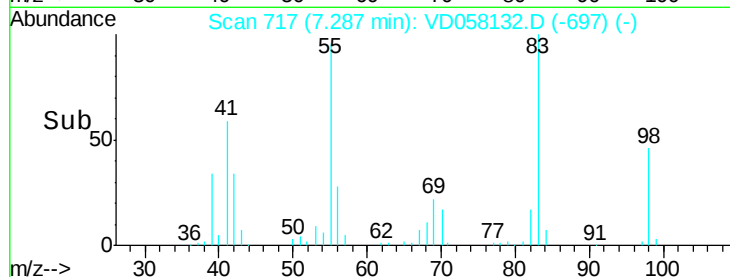
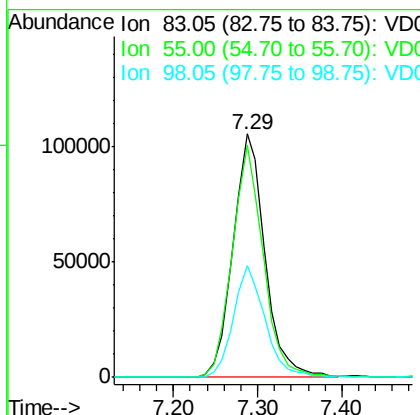
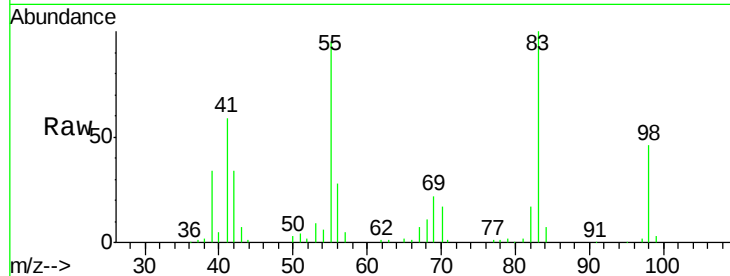
#39
Methvlcvclohexane
Concen: 21.962 ug/l
RT: 7.29 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion	83	Resp	277738
Ion Ratio	Lower	Upper	
83	100		
55	95.2	80.3	120.5
98	45.9	38.0	57.0

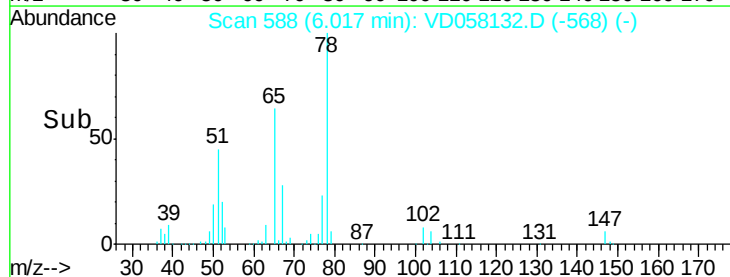
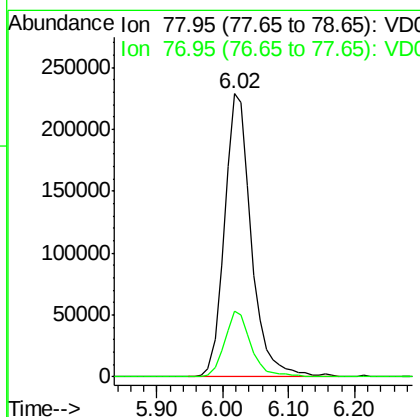
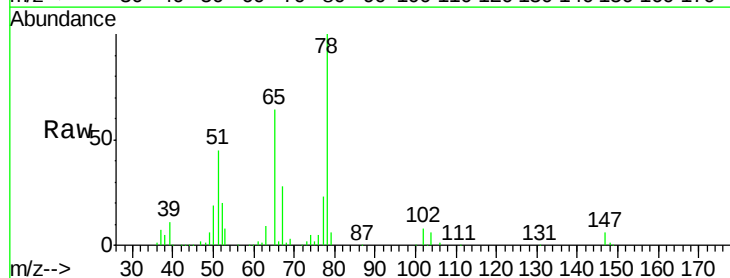
Manual Integrations
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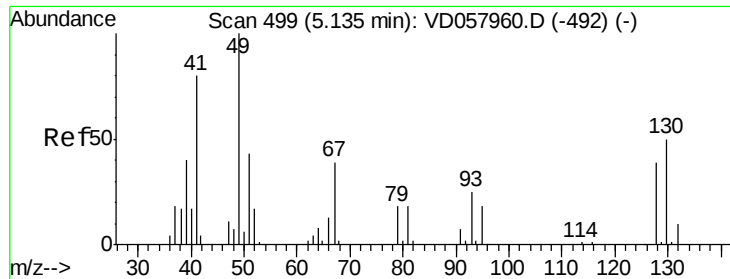
apatel
6/15/2018 2:55:12 PM



#40
Benzene
Concen: 21.878 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	78	Resp	651996
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.1	27.1





#41

Methacrylonitrile

Concen: 20.747 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 41 Resp: 66032

Ion Ratio Lower Upper

41 100

39 52.0 40.7 61.1

67 49.8 38.8 58.2

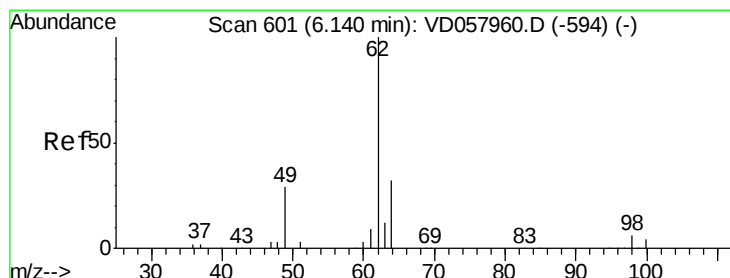
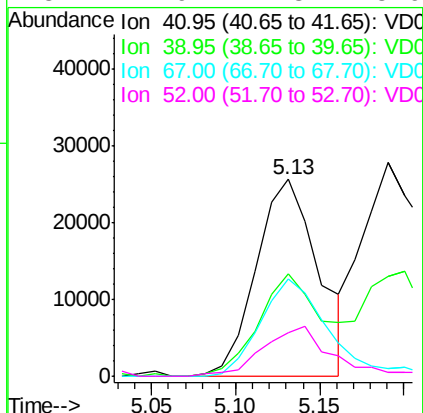
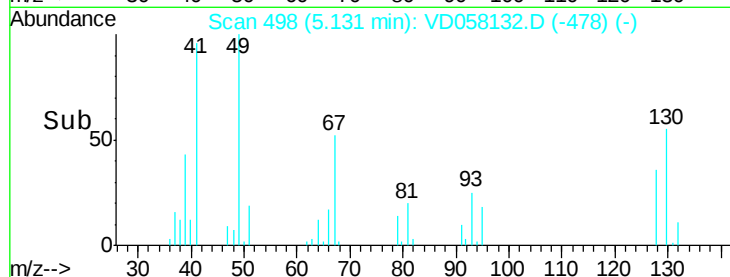
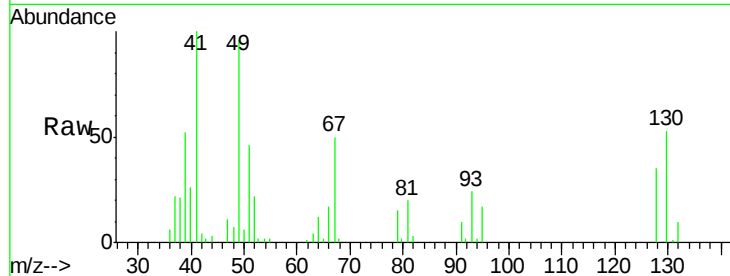
52 21.9 17.3 25.9

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.334 ug/l

RT: 6.14 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058132.D

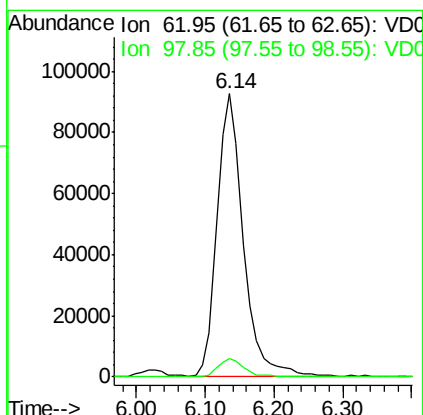
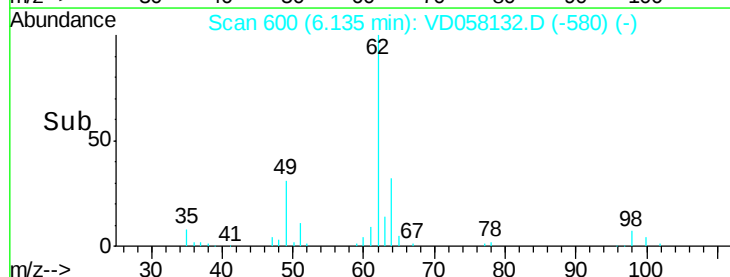
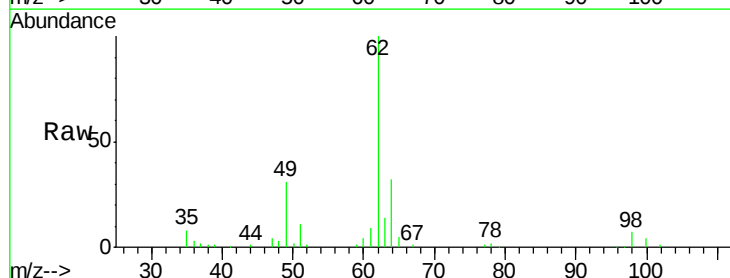
Acq: 14 Jun 2018 13:34

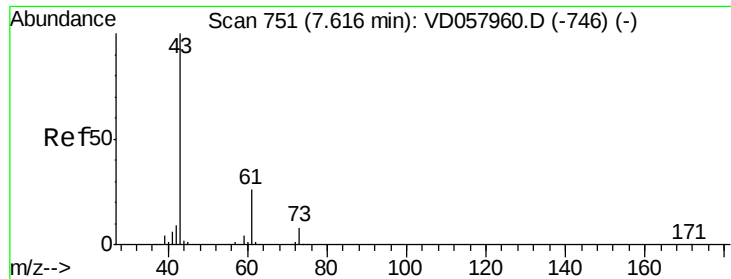
Tgt Ion: 62 Resp: 245007

Ion Ratio Lower Upper

62 100

98 6.7 0.0 12.8





#43

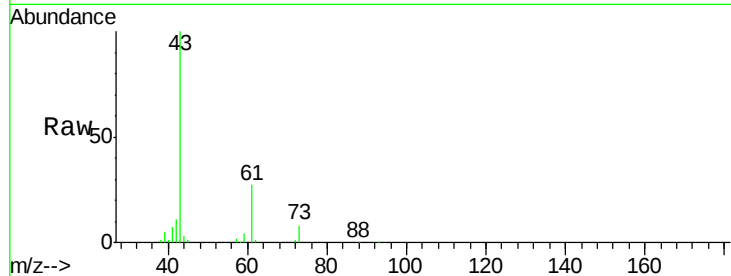
Isopropyl Acetate
 Concen: 19.065 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0614SBSD01

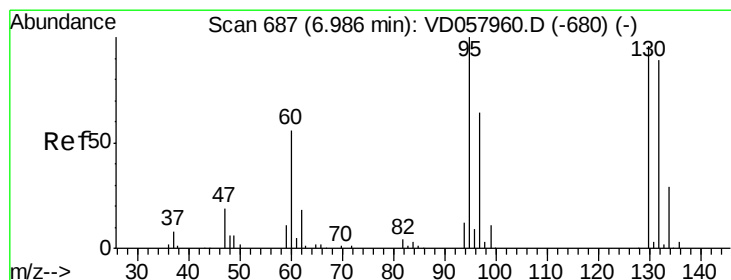
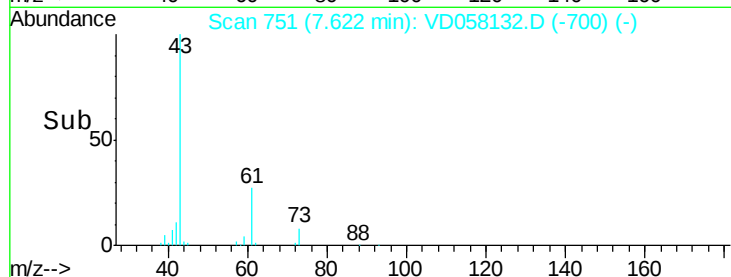
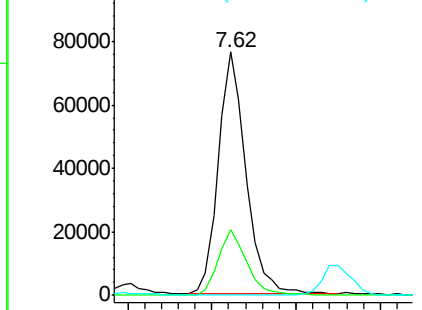
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.6	30.8
87	0.0	0.2	0.4

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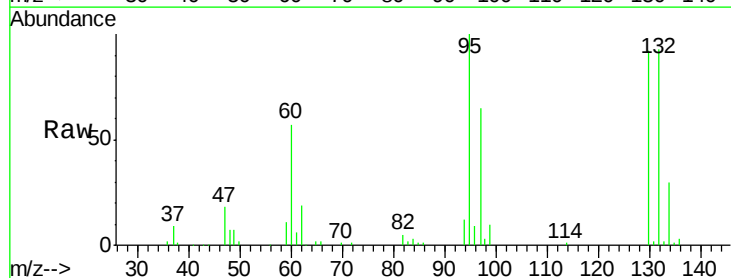
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



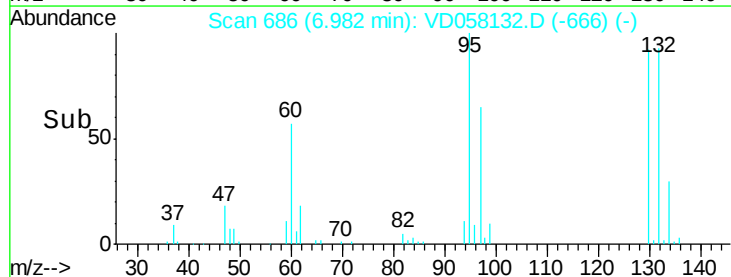
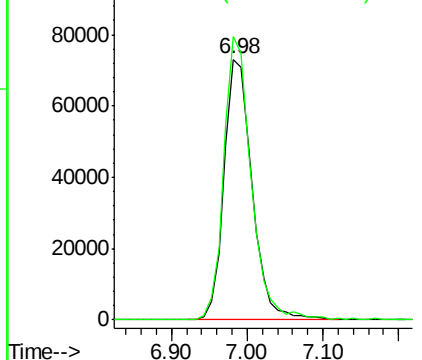
#44

Trichloroethene
 Concen: 21.519 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	207.4



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





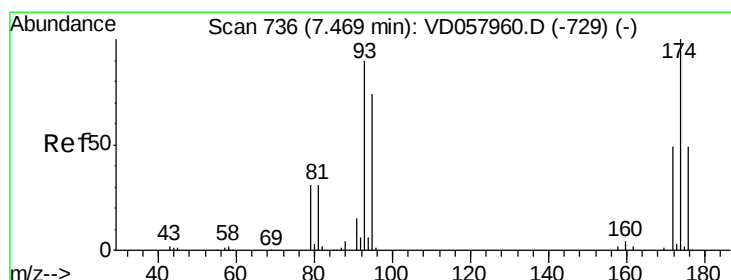
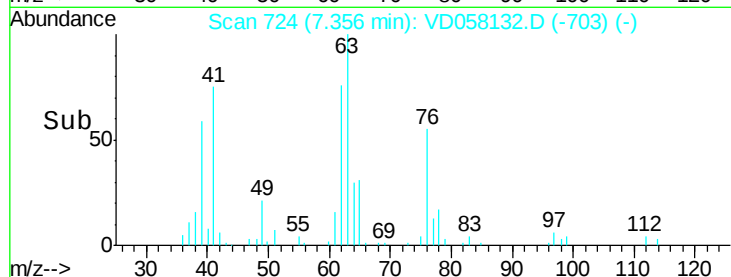
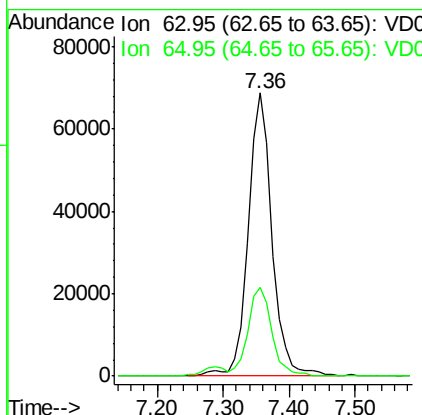
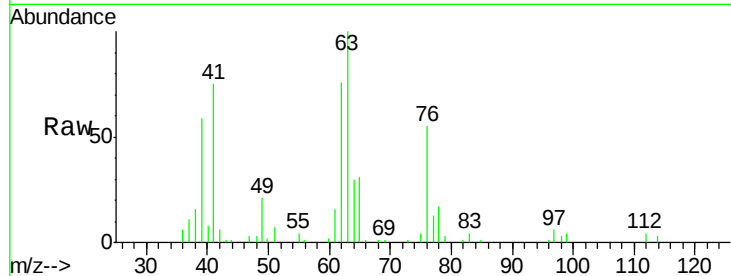
#45
 1,2-Dichloropropane
 Concen: 21.029 ug/l
 RT: 7.36 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

Tot Ion: 63 Resp: 174179
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

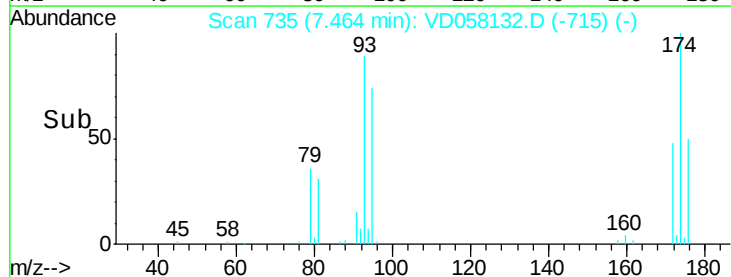
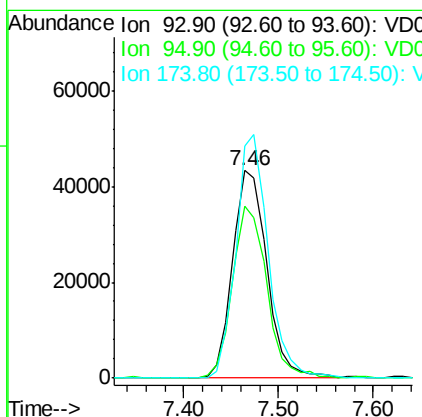
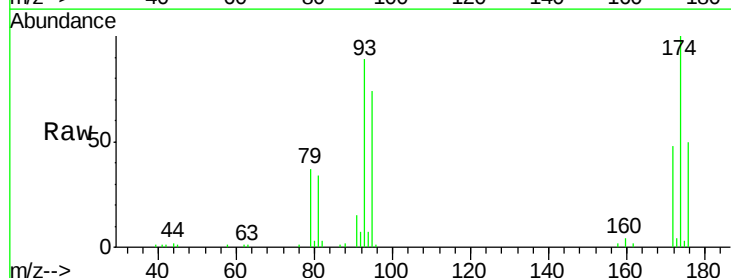
Manual Integrations
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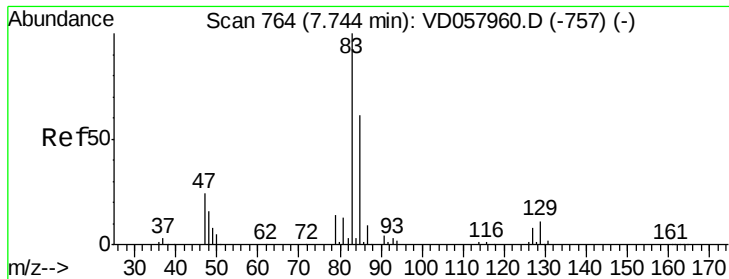
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#46
 Dibromomethane
 Concen: 20.465 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 93 Resp: 108889
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 111.9 89.0 133.4





#47

Bromodichloromethane

Concen: 20.515 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

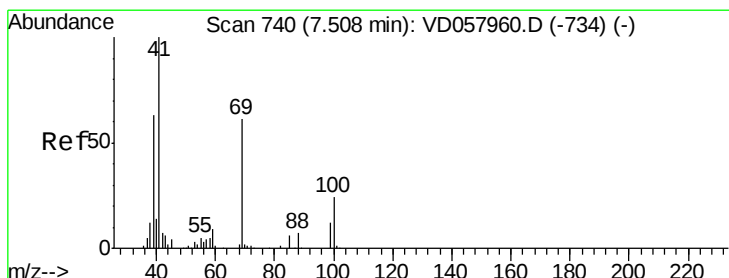
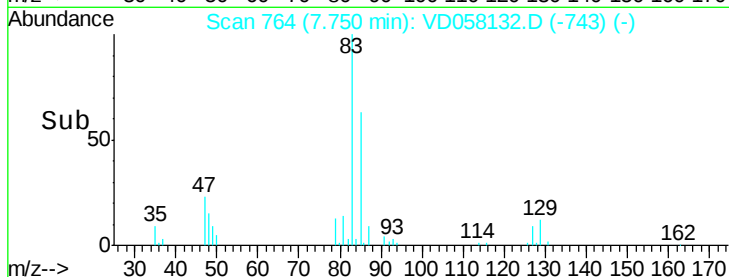
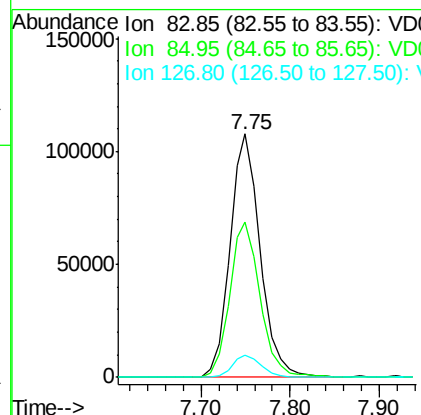
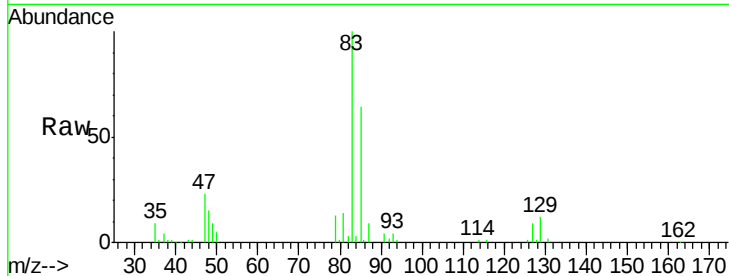
ClientSampleId :

VD0614SBSD01

Tot Ion:	83	Resp:	255576
Ion Ratio	Lower	Upper	
83	100		
85	63.7	49.1	73.7
127	9.0	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.796 ug/l

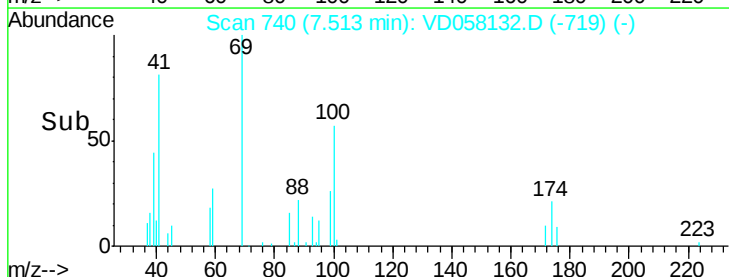
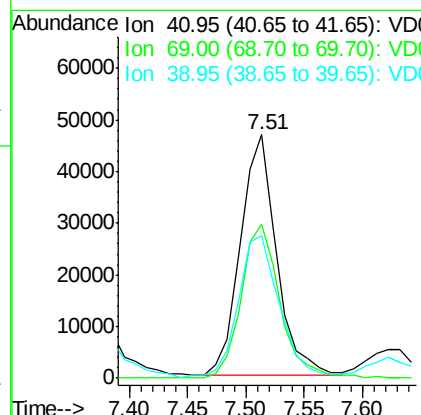
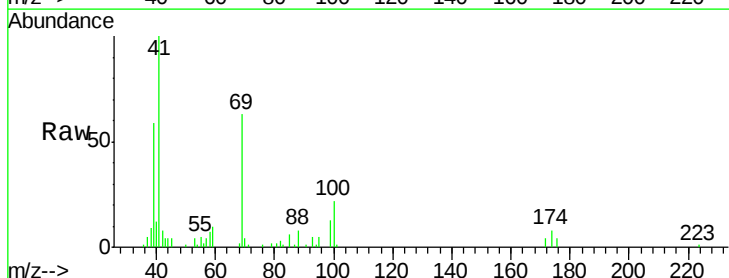
RT: 7.51 min Scan# 740

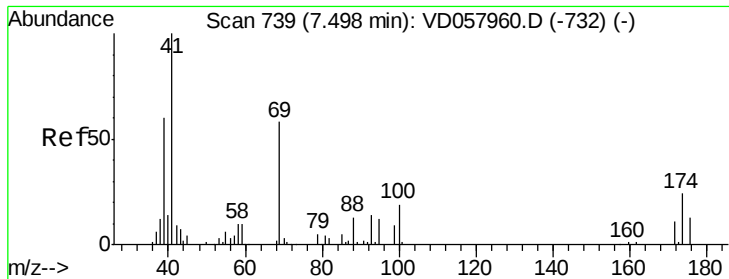
Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	41	Resp:	99866
Ion Ratio	Lower	Upper	
41	100		
69	63.5	48.0	72.0
39	58.6	50.7	76.1





#49

1,4-Dioxane

Concen: 361.005 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

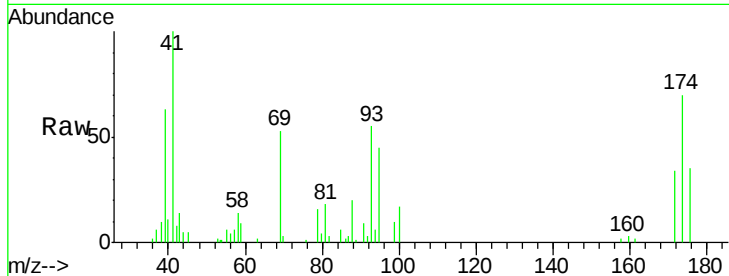
VD0614SBS01

Tot Ion: 88 Resp: 16783

Ion	Ratio	Lower	Upper
88	100		
43	71.0	46.6	69.8#
58	68.9	63.6	95.4

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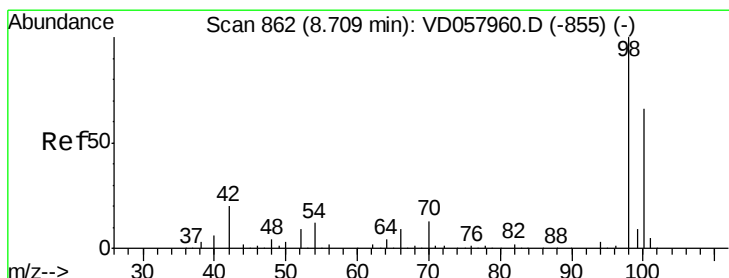
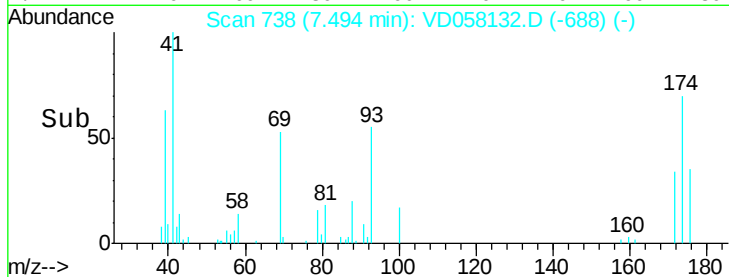
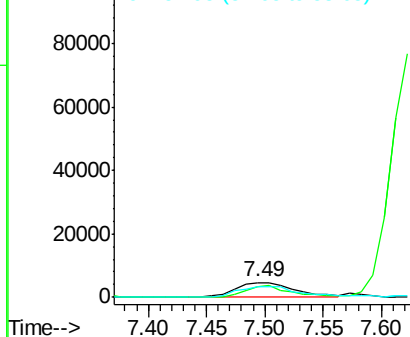
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 361.005 ug/l

RT: 8.71 min Scan# 862

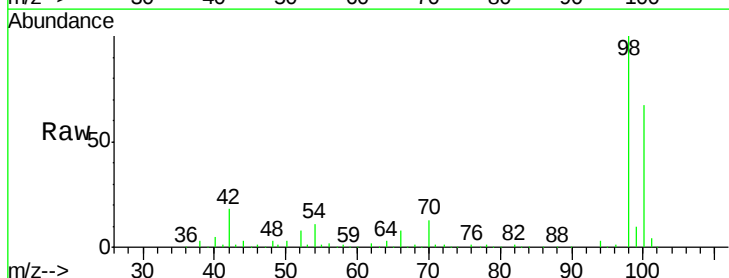
Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

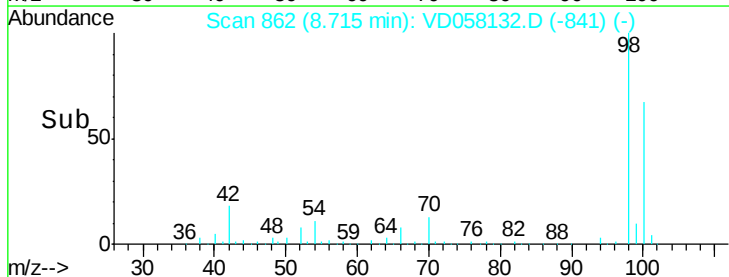
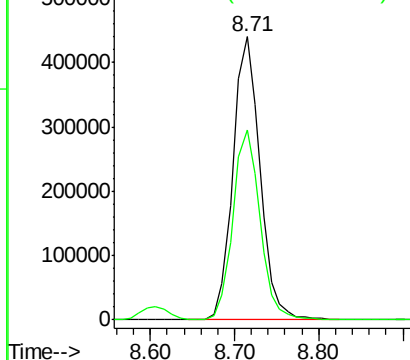
Tgt Ion: 98 Resp: 985256

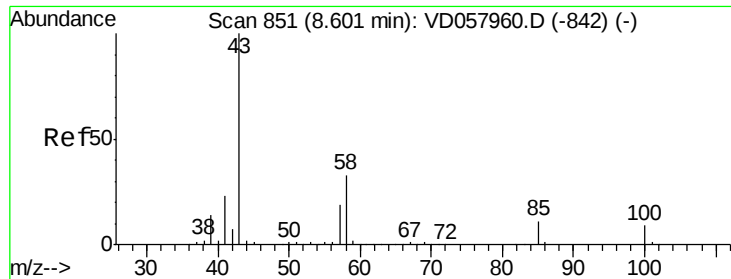
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0



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: 100.982 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 43 Resp: 590556

Ion Ratio Lower Upper

43 100

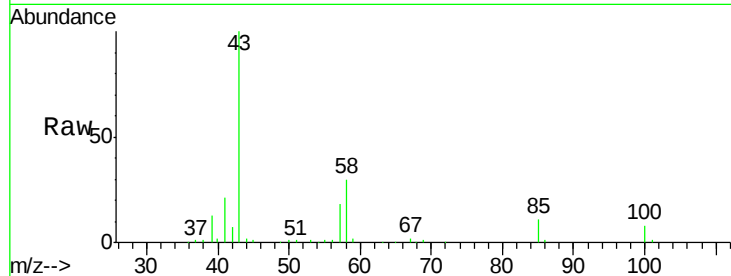
58 30.0 26.2 39.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

250000

200000

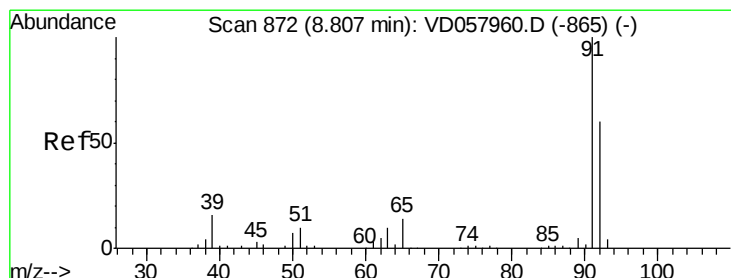
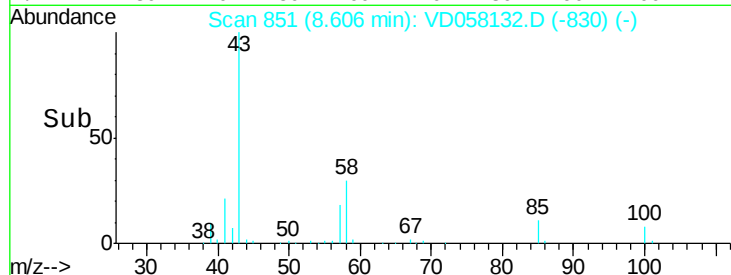
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.844 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058132.D

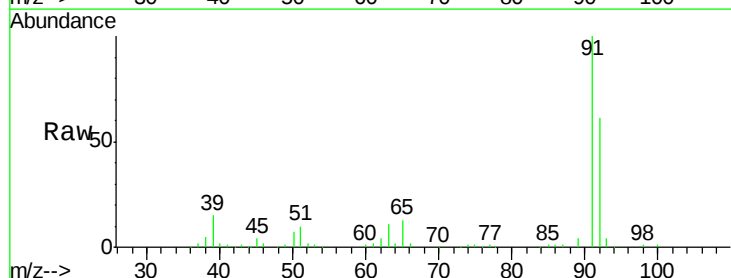
Acq: 14 Jun 2018 13:34

Tgt Ion: 92 Resp: 373600

Ion Ratio Lower Upper

92 100

91 164.0 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

300000

250000

200000

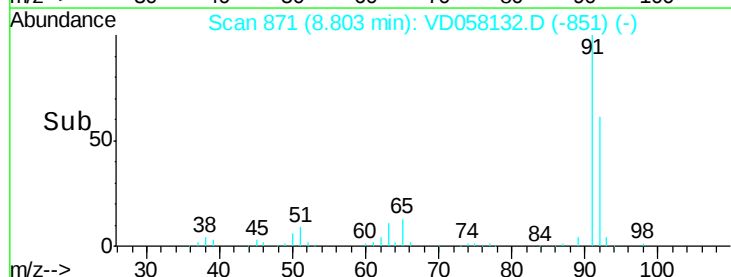
150000

100000

50000

0

Time-->





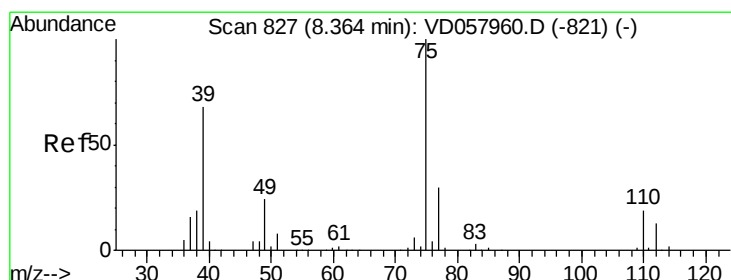
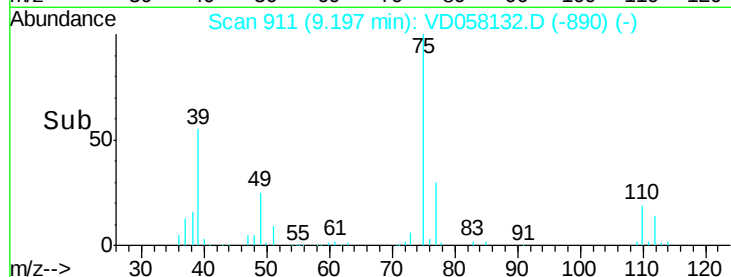
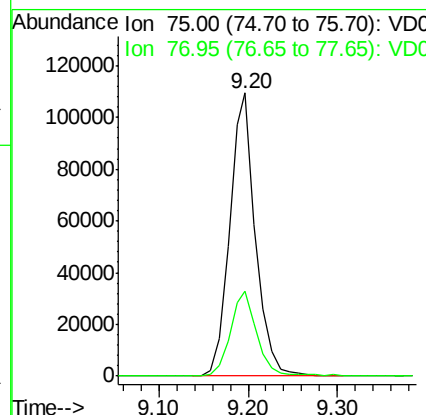
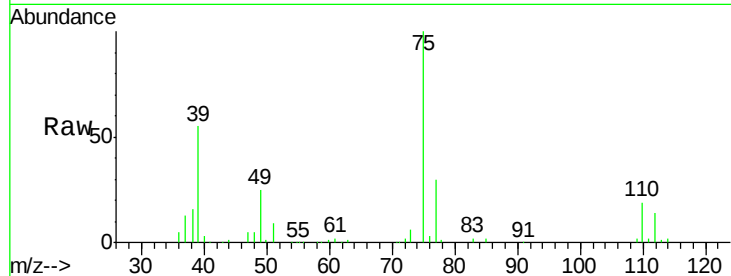
#53
t-1,3-Dichloropropene
Concen: 20.608 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	221198		
77	30.1	24.3	36.5	

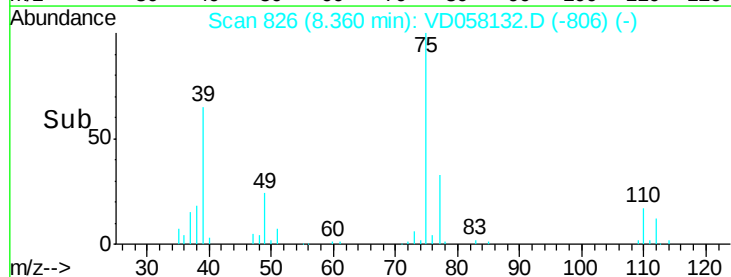
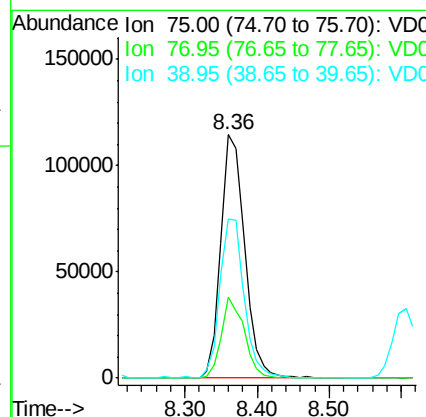
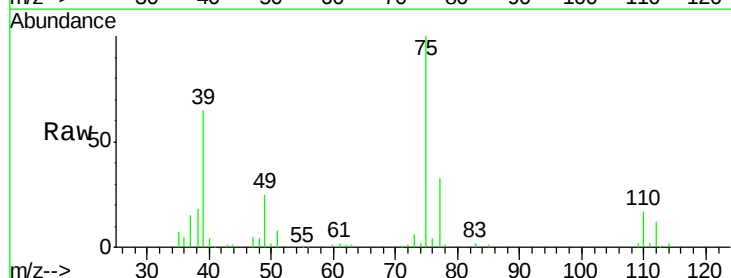
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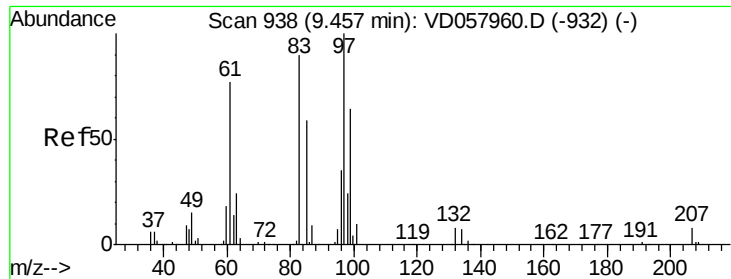
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#54
cis-1,3-Dichloropropene
Concen: 20.761 ug/l
RT: 8.36 min Scan# 826
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262527		
77	33.0	24.1	36.1	
39	65.4	54.0	81.0	





#55

1,1,2-Trichloroethane

Concen: 21.459 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

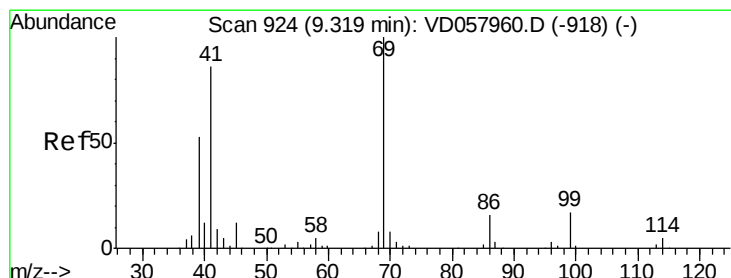
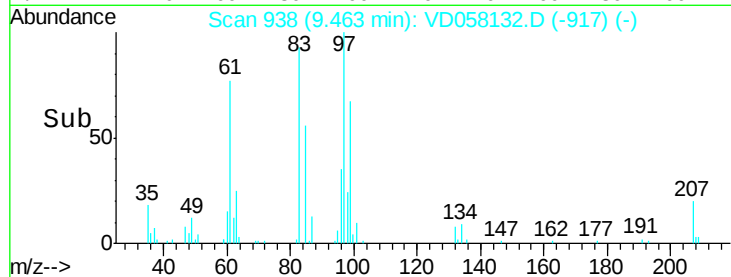
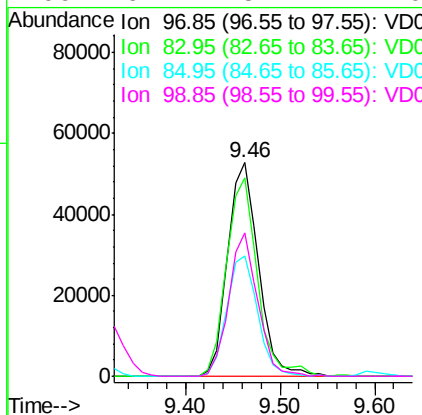
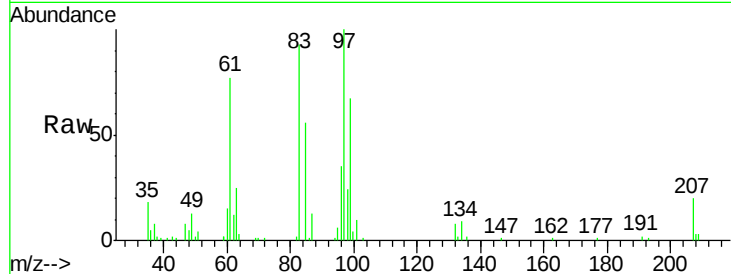
ClientSampleId :

VD0614SBS01

Tot Ion:	97	Resp:	118781
Ion	Ratio	Lower	Upper
97	100		
83	93.2	71.8	107.8
85	56.5	47.2	70.8
99	67.4	51.4	77.0

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#56

Ethyl methacrylate

Concen: 20.425 ug/l

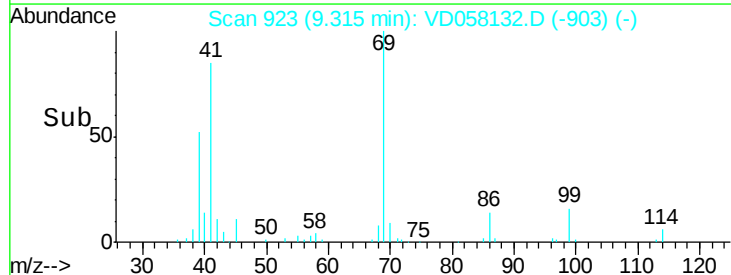
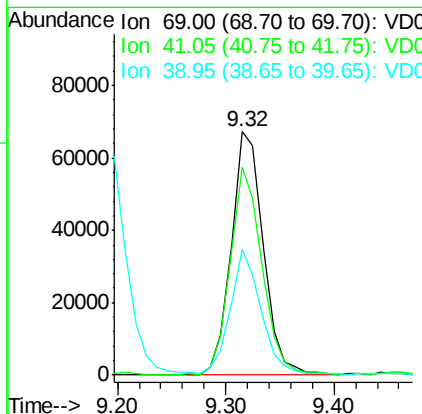
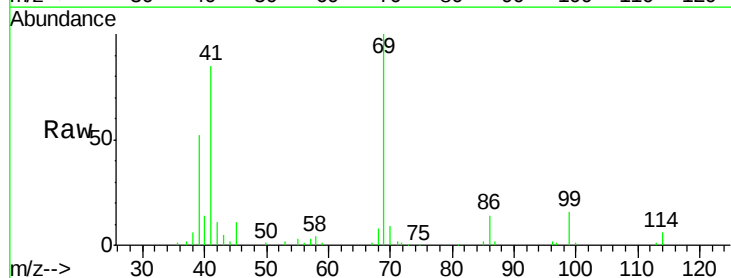
RT: 9.32 min Scan# 923

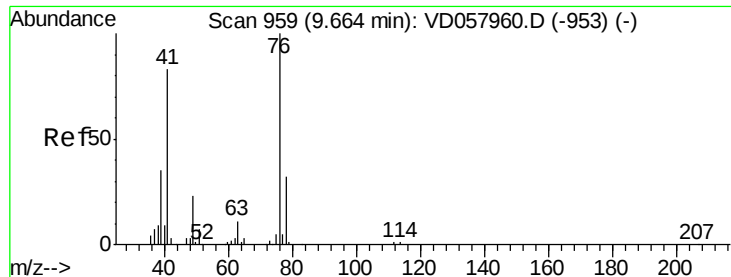
Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	69	Resp:	138685
Ion	Ratio	Lower	Upper
69	100		
41	85.5	68.4	102.6
39	51.6	43.0	64.4





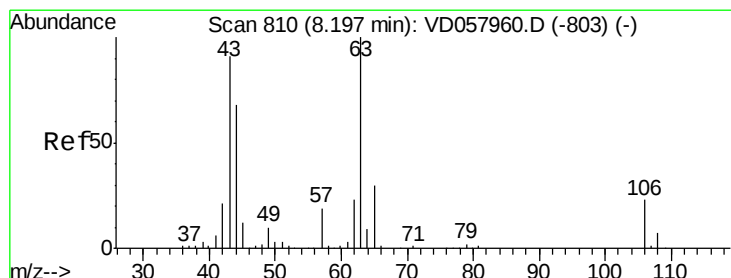
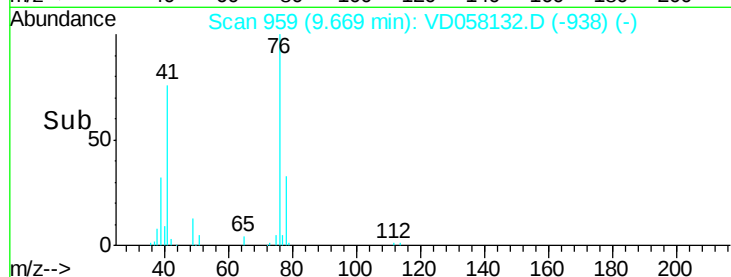
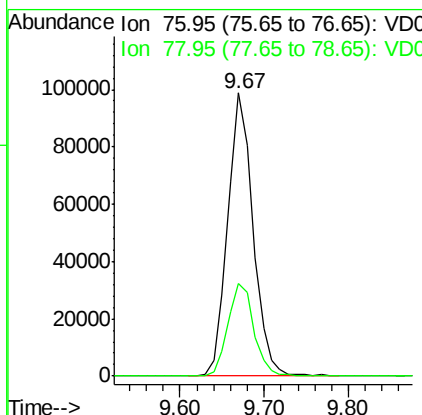
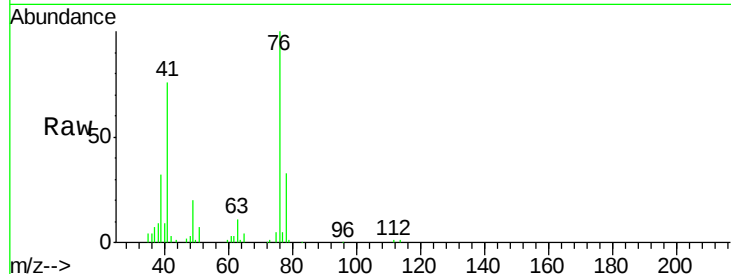
#57
 1,3-Dichloropropane
 Concen: 21.358 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 76 Resp: 207351
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.2

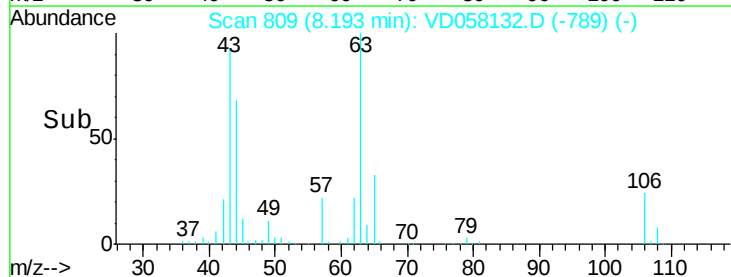
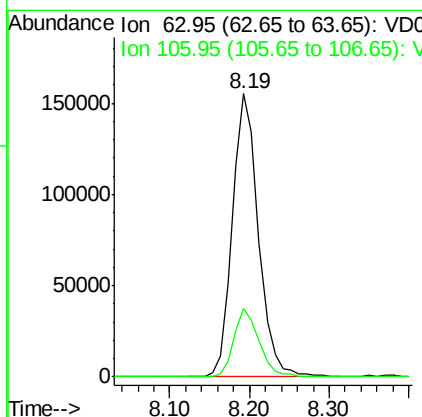
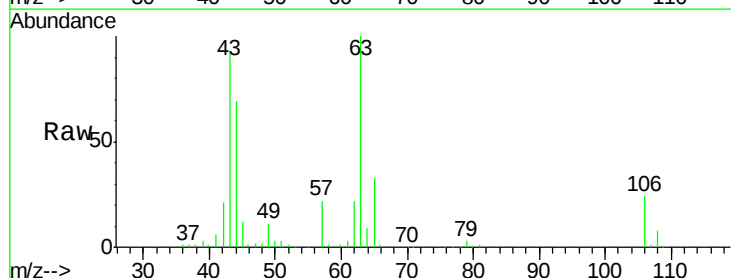
Manual Integrations
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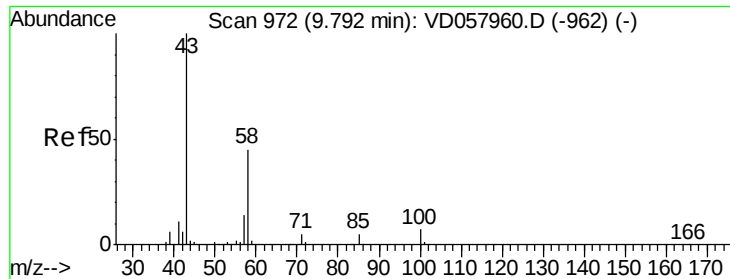
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.244 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 63 Resp: 354176
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.7 28.1





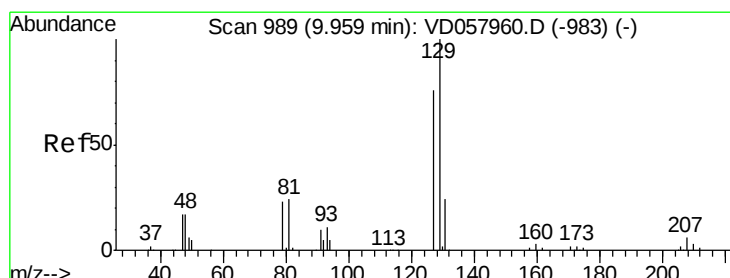
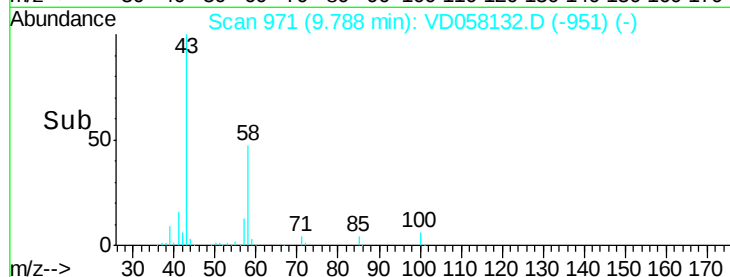
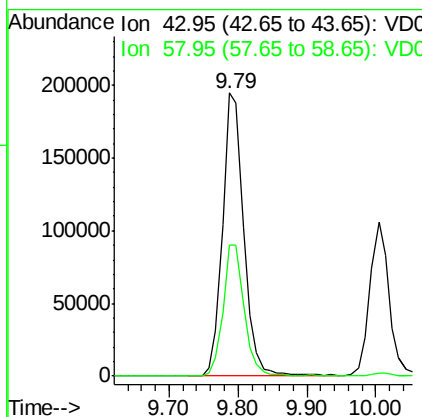
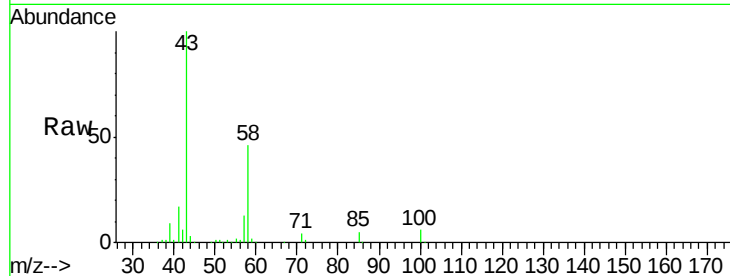
#59
2-Hexanone
Concen: 97.351 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion: 43 Resp: 417223
Ion Ratio Lower Upper
43 100
58 46.1 22.5 67.5

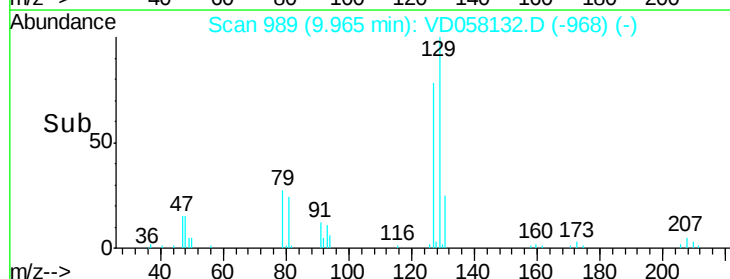
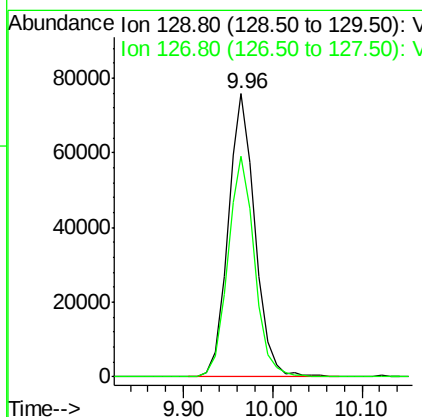
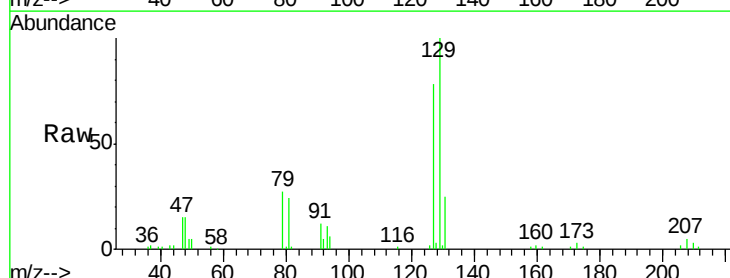
Manual Integrations
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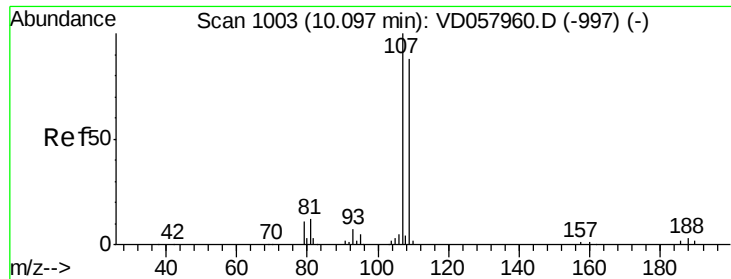
apatel
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#60
Dibromochloromethane
Concen: 20.376 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:129 Resp: 159051
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.625 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 107 Resp: 131292

Ion Ratio Lower Upper

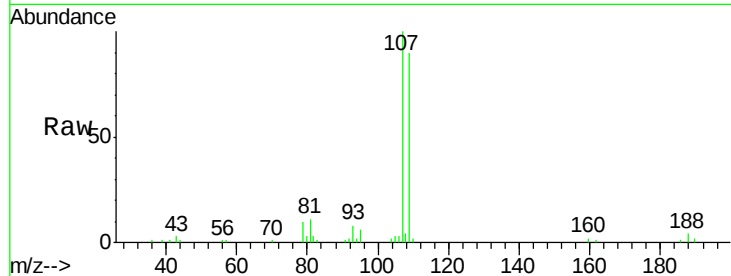
107 100

109 89.7 70.6 106.0

Manual Integrations
APPROVED

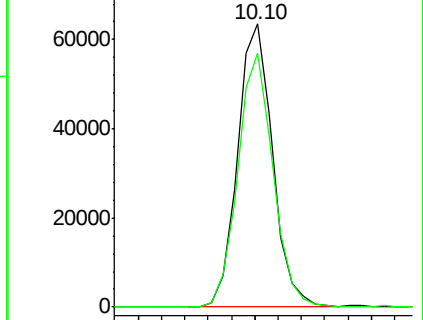
apatel

6/15/2018 2:55:12 PM

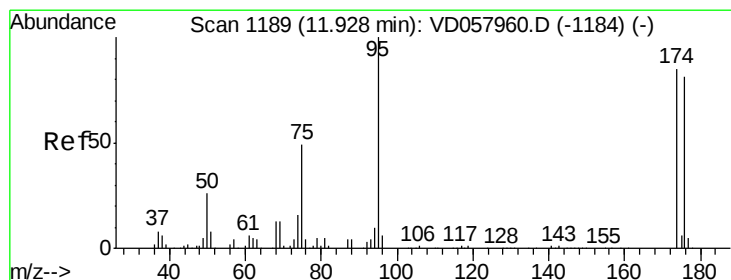
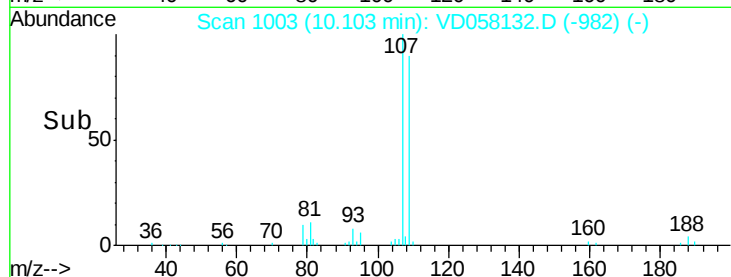


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



Time-->



#62

4-Bromofluorobenzene

Concen: 20.625 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

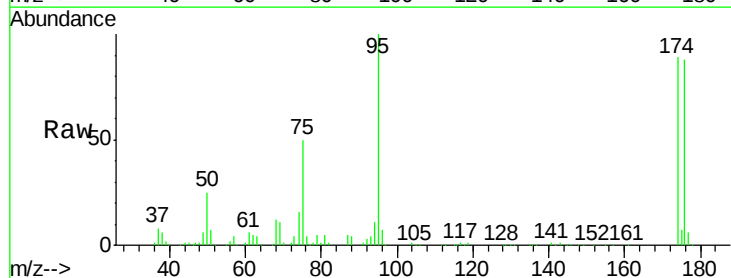
Tgt Ion: 95 Resp: 414638

Ion Ratio Lower Upper

95 100

174 88.9 0.0 169.4

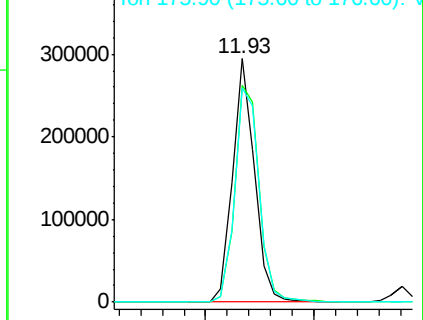
176 87.9 0.0 162.6



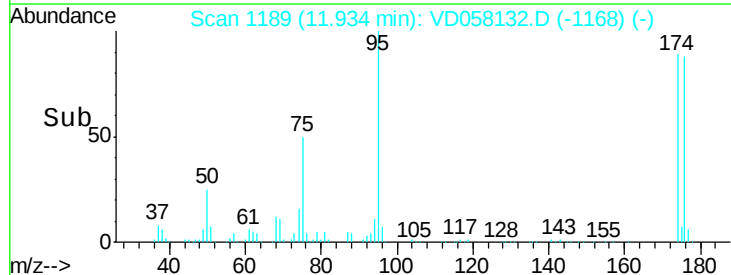
Abundance Ion 95.00 (94.70 to 95.70): V

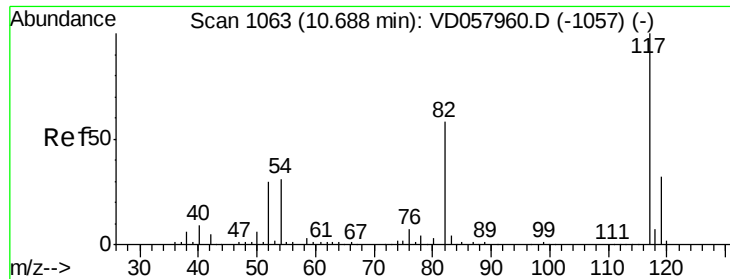
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->





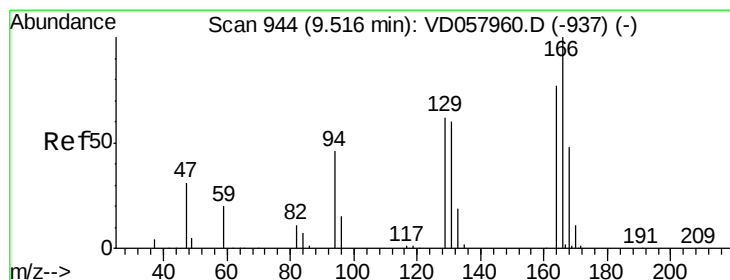
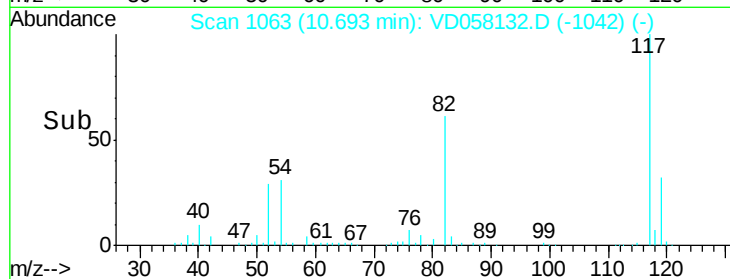
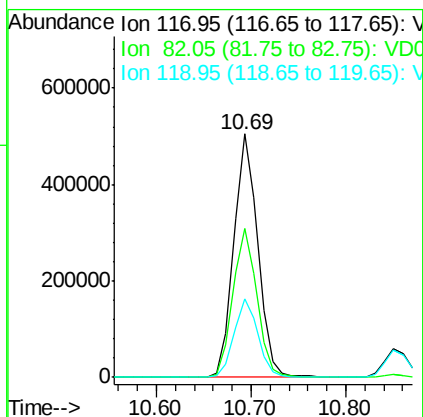
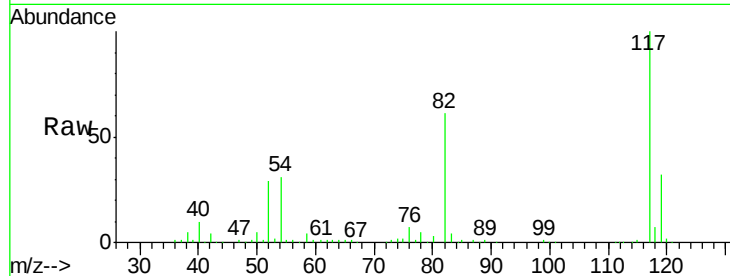
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.8	70.2
119	32.5	25.8	38.6

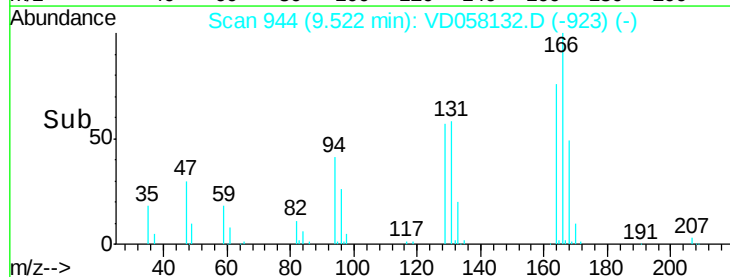
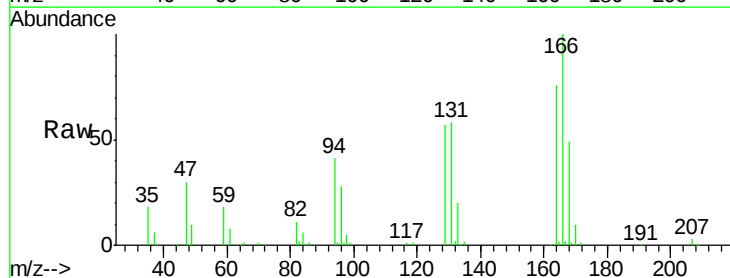
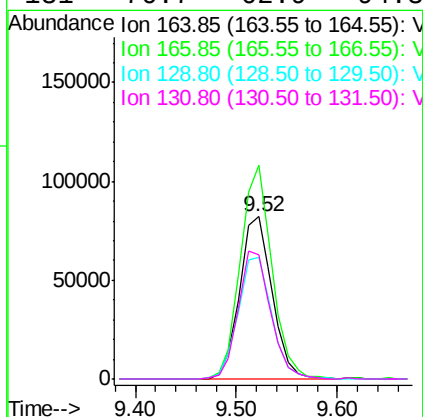
Manual Integrations
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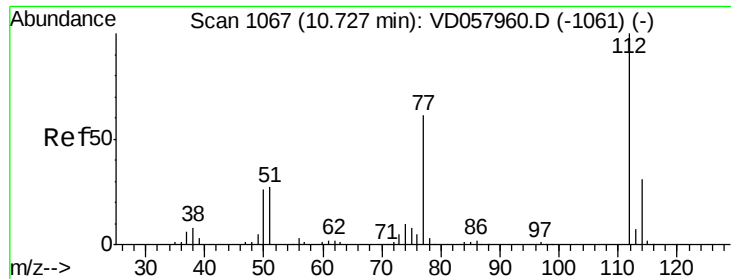
apatel
6/15/2018 2:55:12 PM



#64
Tetrachloroethene
Concen: 23.236 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	104.4	156.6
129	74.7	65.0	97.6
131	76.7	62.9	94.3





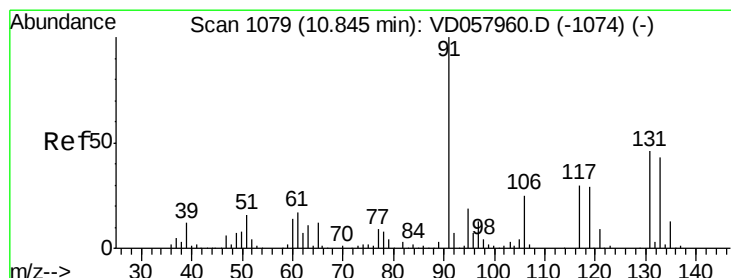
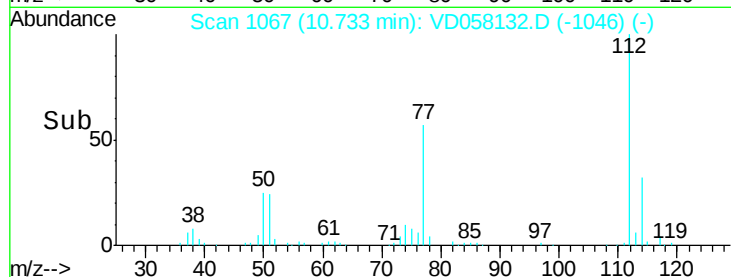
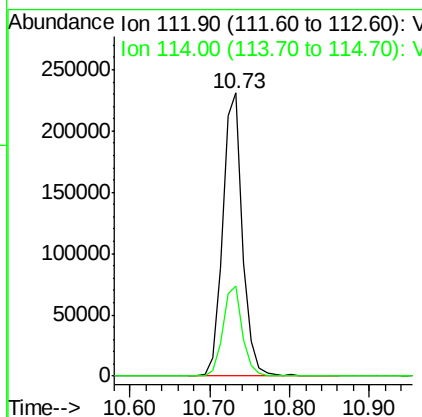
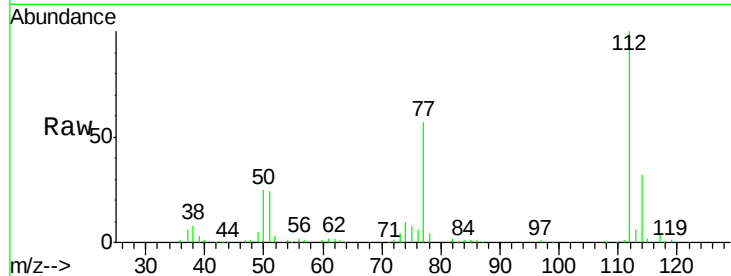
#65
Chlorobenzene
Concen: 22.509 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion:112 Resp: 404959
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3

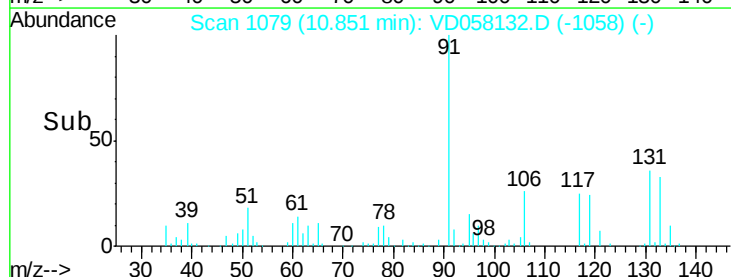
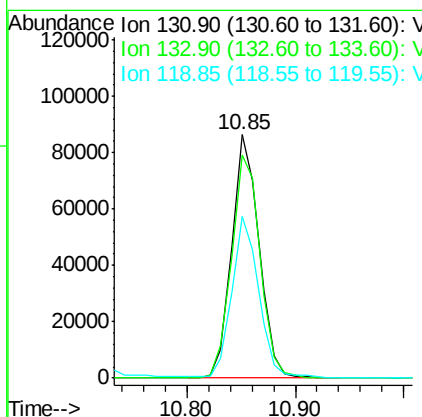
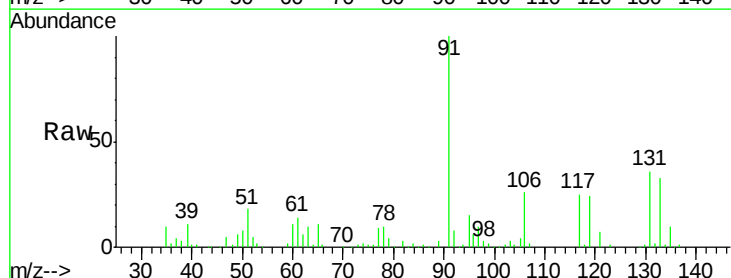
Manual Integrations
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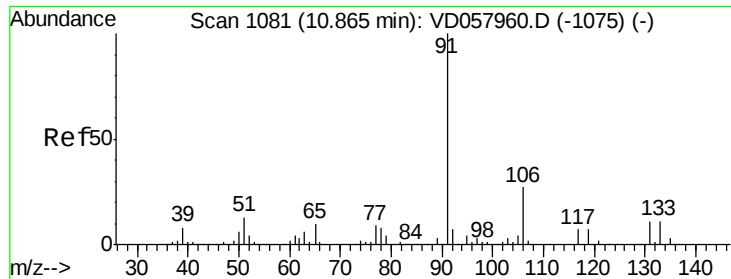
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.928 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:131 Resp: 151567
Ion Ratio Lower Upper
131 100
133 91.9 46.9 140.6
119 66.3 31.8 95.3





#67

Ethyl Benzene

Concen: 22.156 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

Tot Ion: 91 Resp: 720124

Ion Ratio Lower Upper

91 100

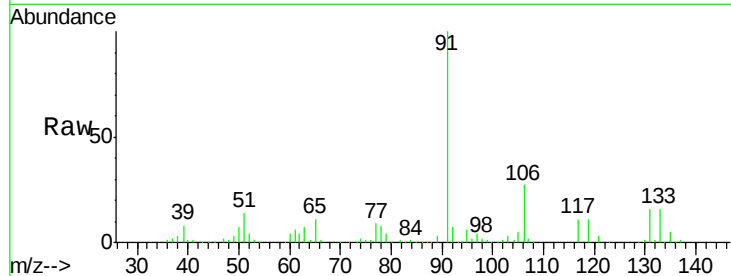
106 26.7 21.5 32.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

600000

500000

400000

300000

200000

100000

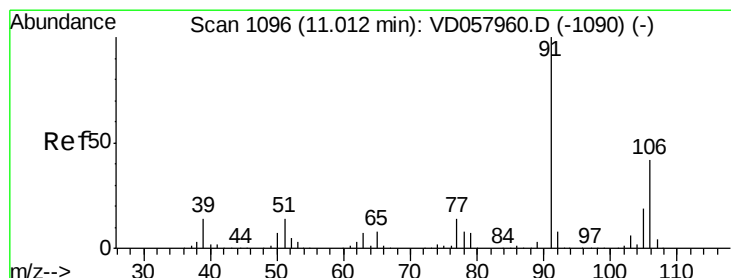
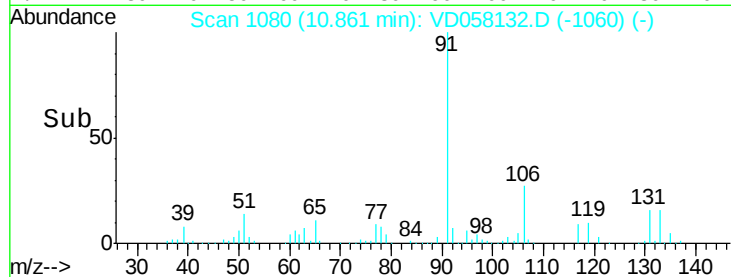
0

10.86

10.90

11.00

Time-->



#68

m/p-Xylenes

Concen: 47.414 ug/l

RT: 11.02 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VD058132.D

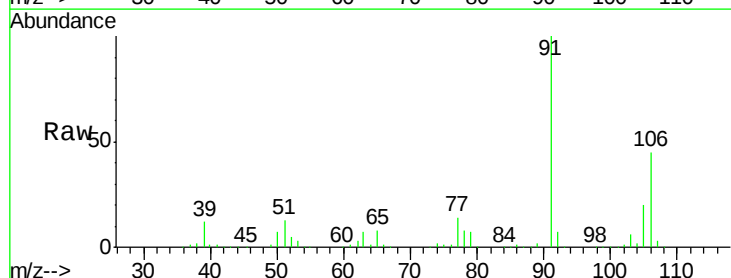
Acq: 14 Jun 2018 13:34

Tgt Ion: 106 Resp: 502389

Ion Ratio Lower Upper

106 100

91 223.5 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

100000

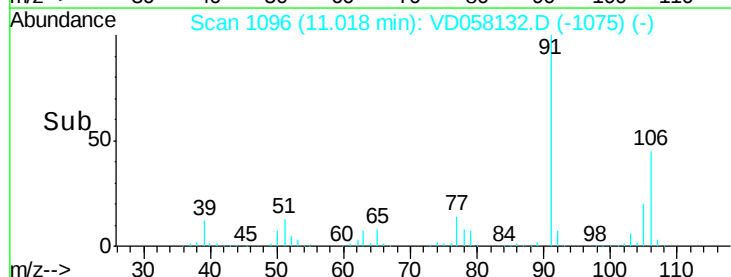
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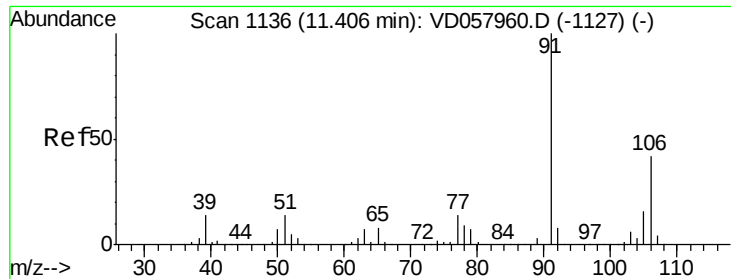
11.02

11.10

11.20

Time-->





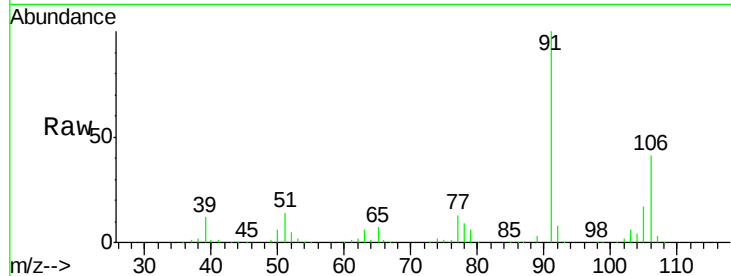
#69
o-Xylene
Concen: 22.203 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

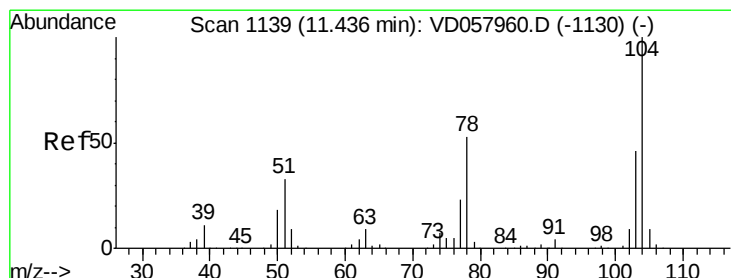
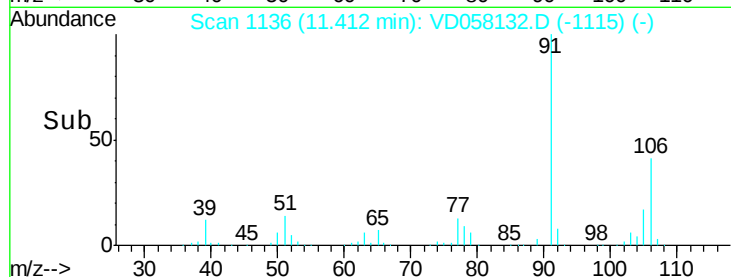
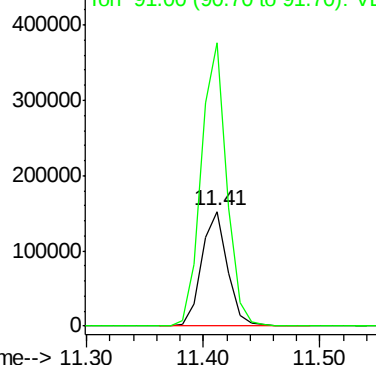
Tot Ion:106 Resp: 233522
Ion Ratio Lower Upper
106 100
91 246.1 120.6 361.7

Manual Integrations
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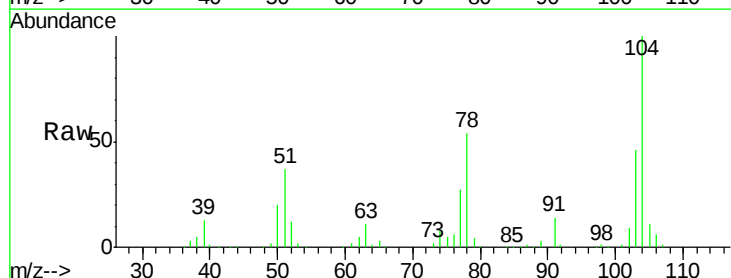


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

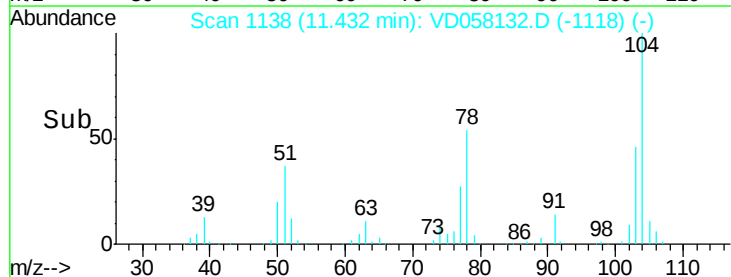
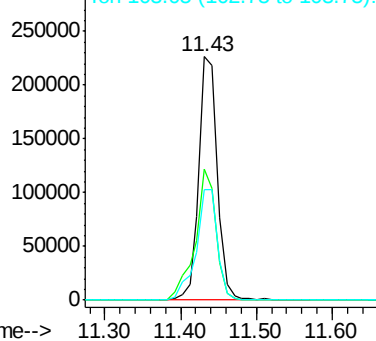


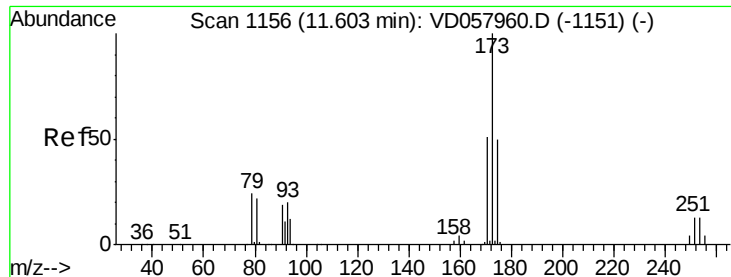
#70
Styrene
Concen: 21.938 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:104 Resp: 381963
Ion Ratio Lower Upper
104 100
78 53.7 42.1 63.1
103 45.6 37.0 55.6



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





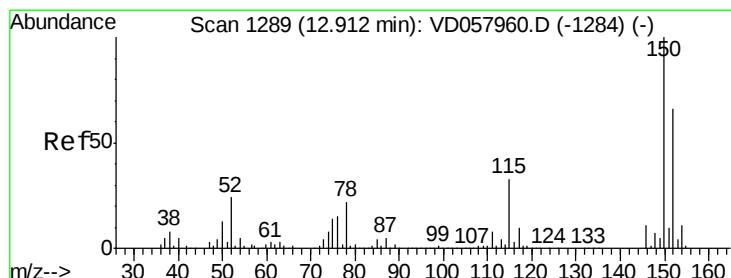
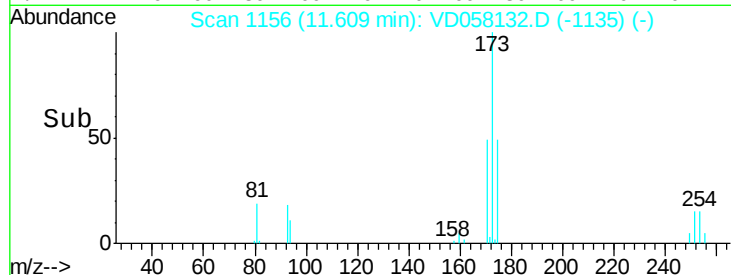
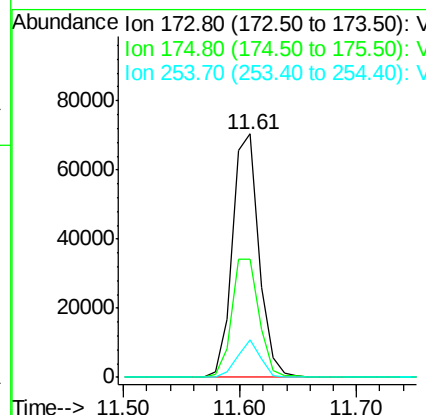
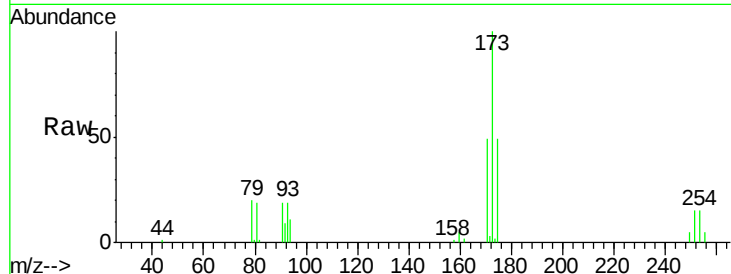
#71
Bromoform
Concen: 21.383 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.1	75.2
254	15.4	10.7	16.1

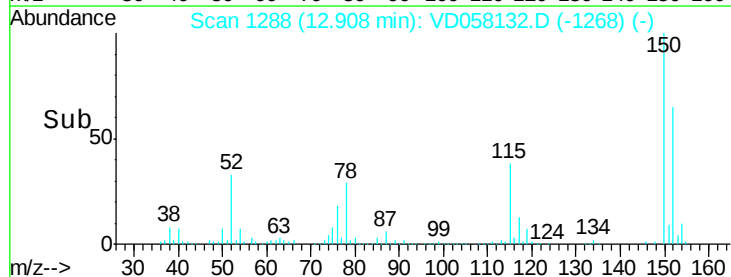
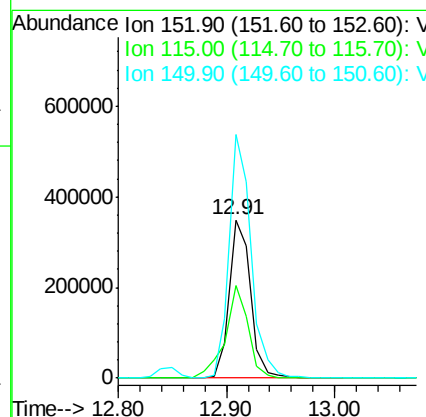
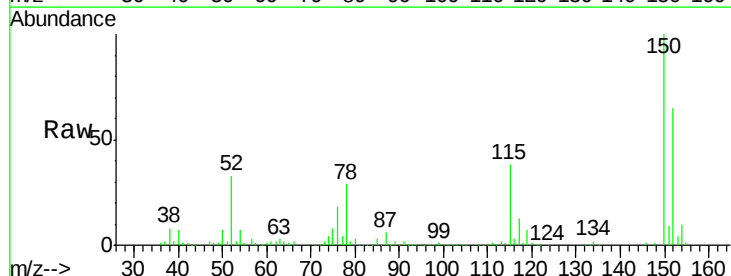
Manual Integrations
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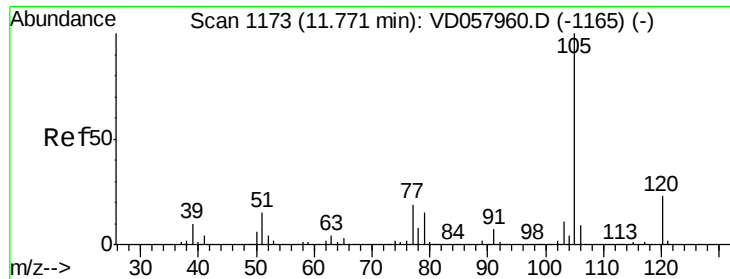
apatel
6/15/2018 2:55:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	25.6	76.6
150	153.8	0.0	306.8





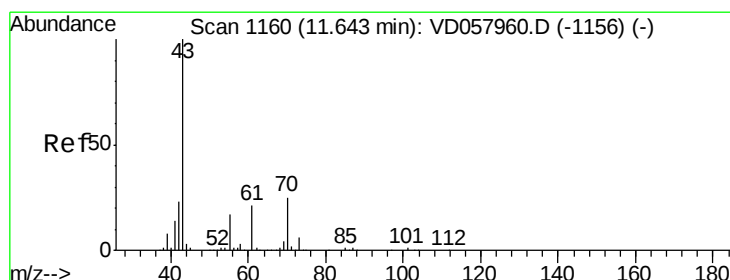
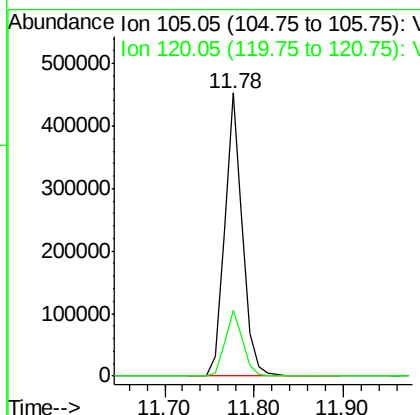
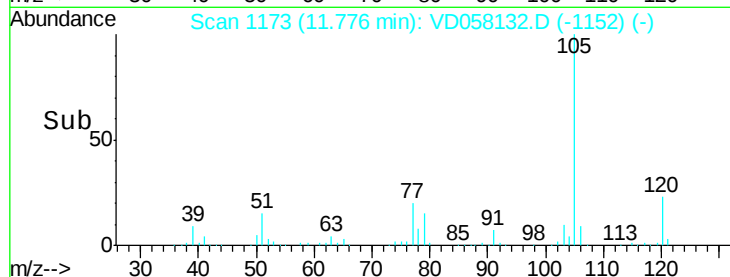
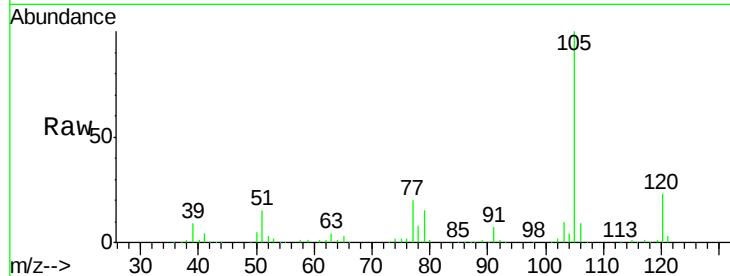
#73
Isopropylbenzene
Concen: 20.099 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleID :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.2	11.3	33.9

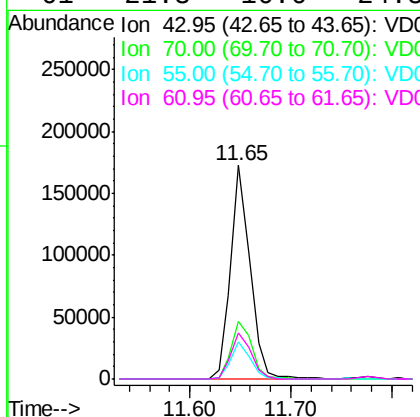
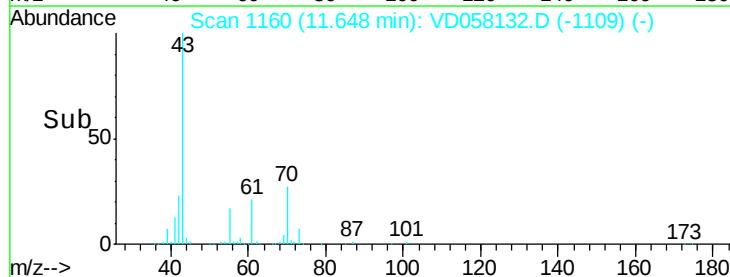
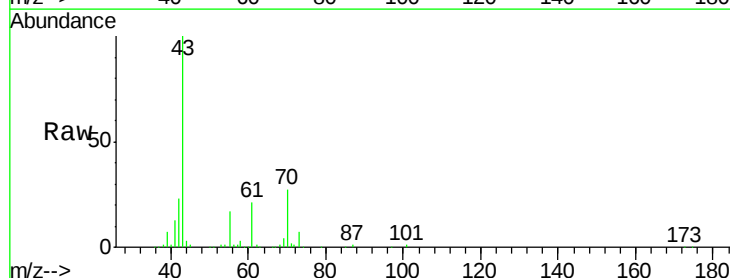
Manual Integrations
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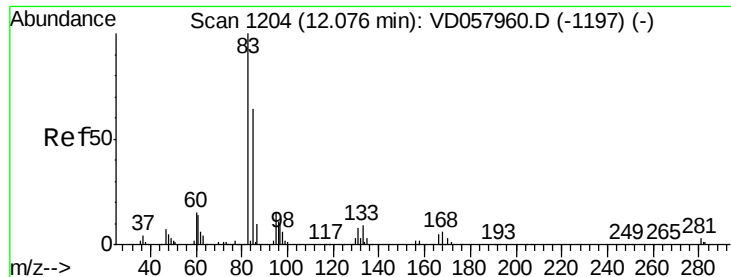
apatel
6/15/2018 2:55:12 PM



#74
N-ethyl acetate
Concen: 18.976 ug/l
RT: 11.65 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	27.0	20.3	30.5
55	17.1	13.9	20.9
61	21.3	16.6	24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.041 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

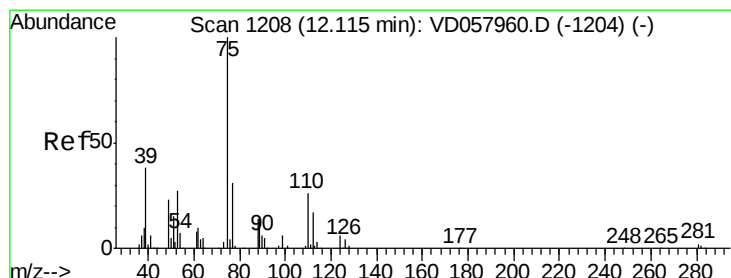
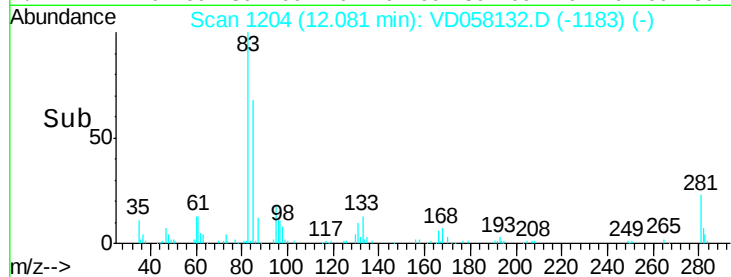
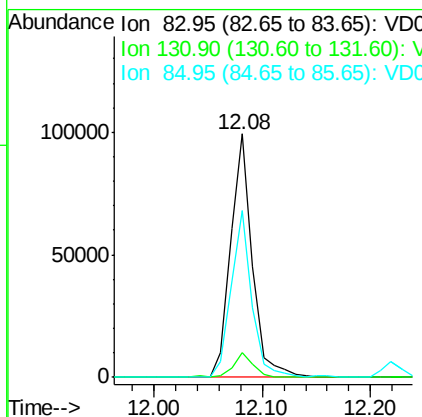
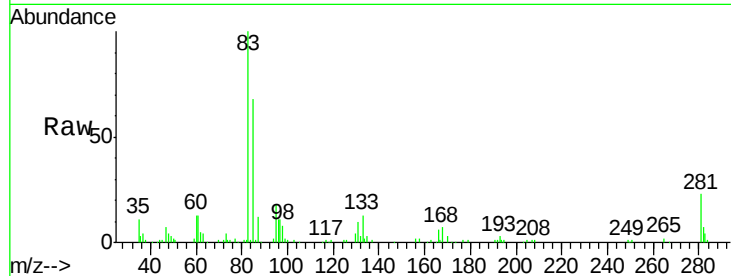
ClientSampleId :

VD0614SBSD01

Tot Ion:	83	Resp:	138111
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.2	12.6
85	68.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 20.498 ug/l

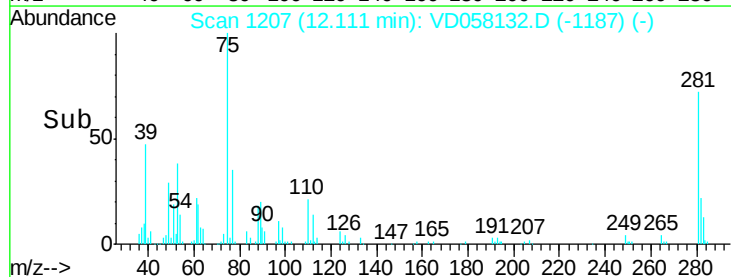
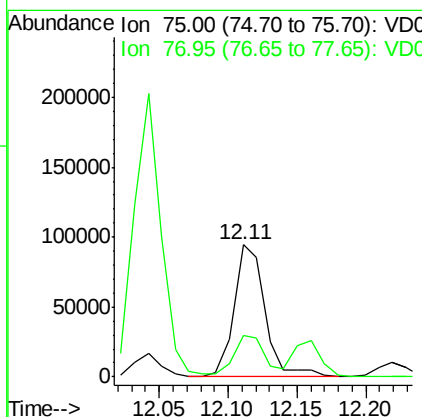
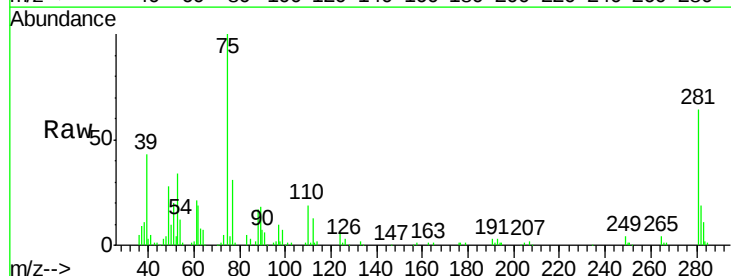
RT: 12.11 min Scan# 1207

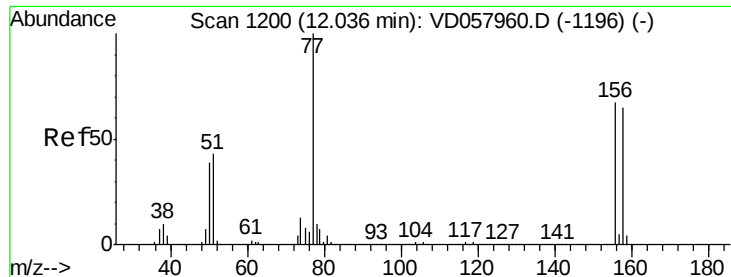
Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion:	75	Resp:	146944
Ion Ratio	Lower	Upper	
75	100		
77	31.3	16.7	50.1





#77

Bromobenzene

Concen: 21.309 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

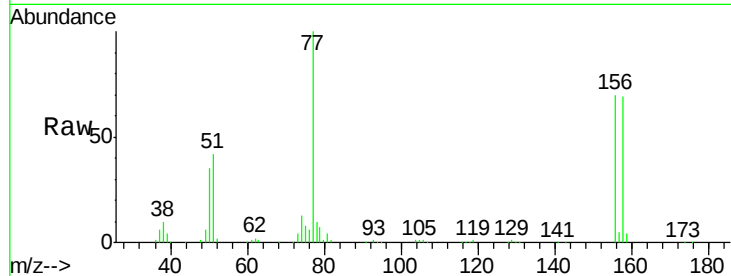
ClientSampleId :

VD0614SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		199377		
77	142.6	75.0	224.8		
158	98.5	48.6	145.9		

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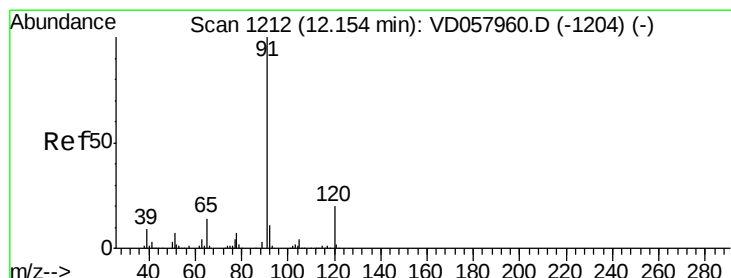
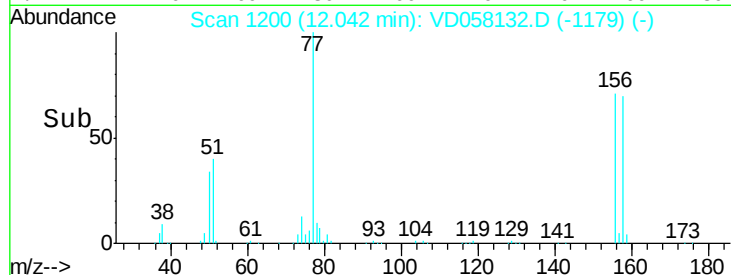
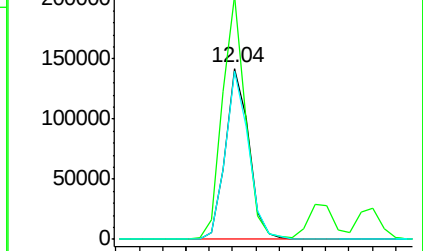
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.227 ug/l

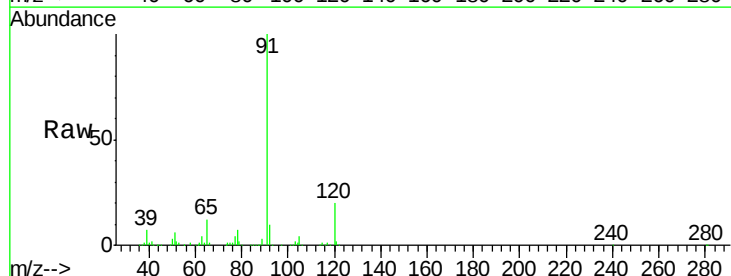
RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058132.D

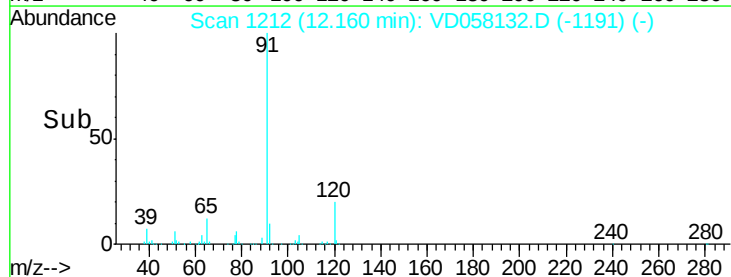
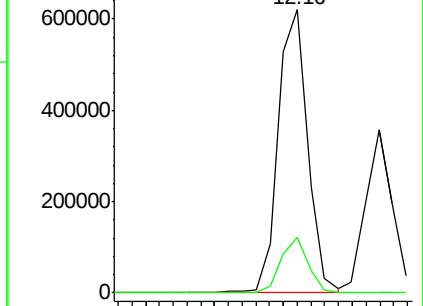
Acq: 14 Jun 2018 13:34

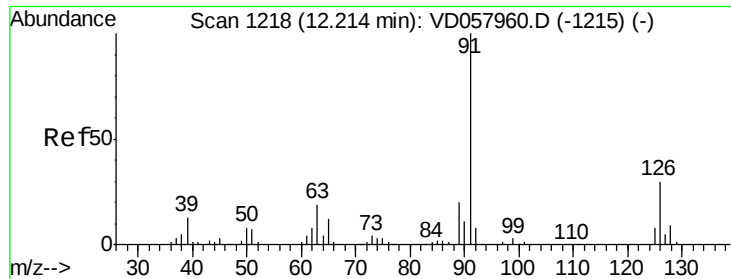
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		914206		
120	19.8	9.8	29.4		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





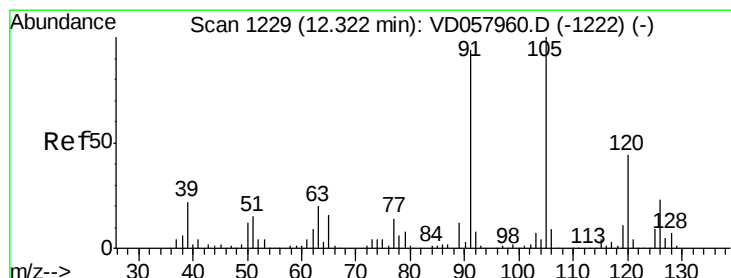
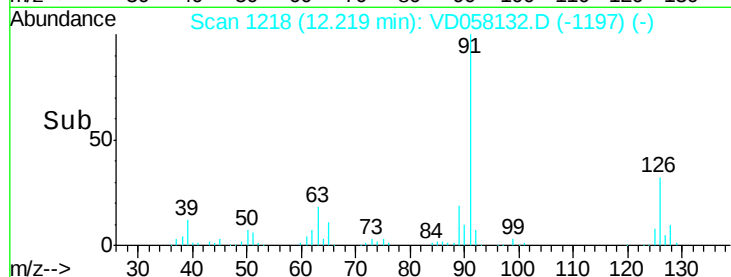
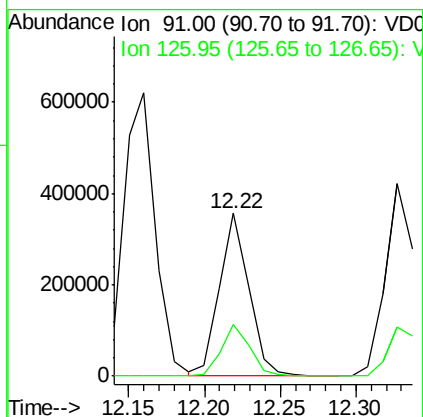
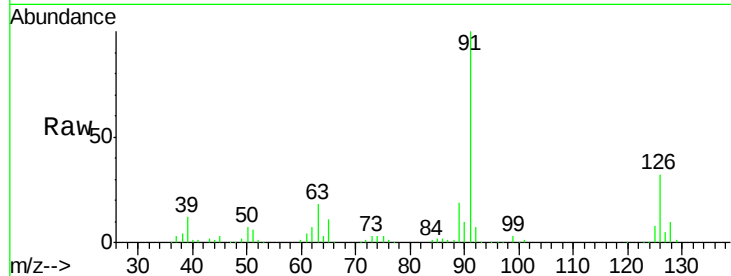
#79
 2-Chlorotoluene
 Concen: 20.524 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 91 Resp: 481582
 Ion Ratio Lower Upper
 91 100
 126 31.9 14.6 44.0

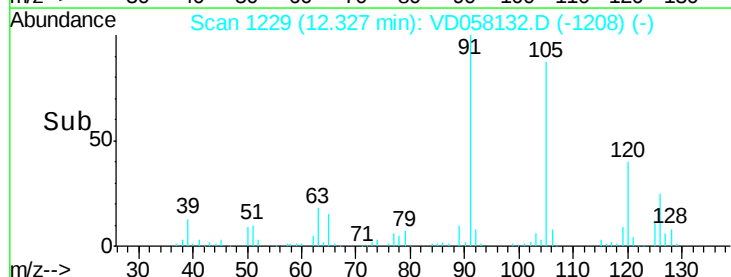
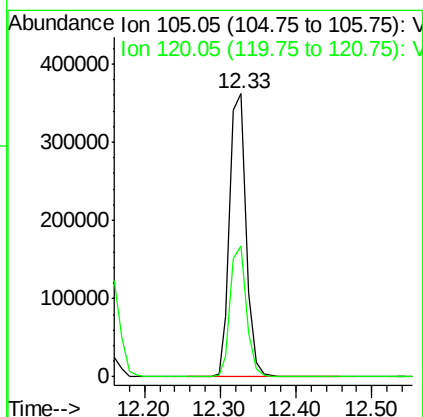
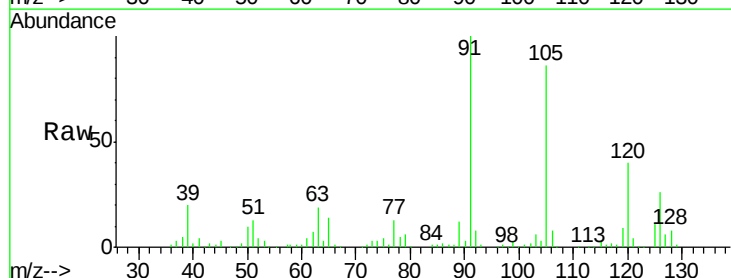
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.105 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 105 Resp: 544904
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.708 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

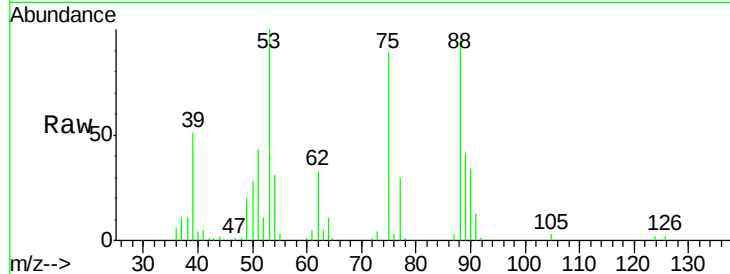
ClientSampleId :

VD0614SBS01

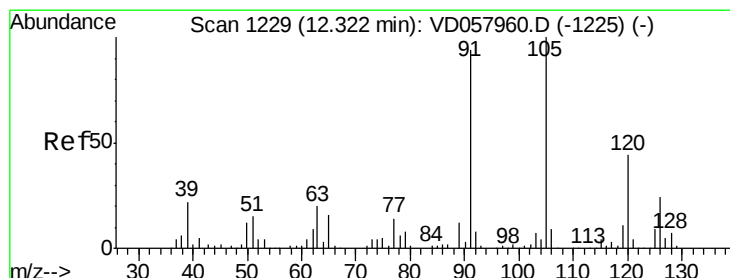
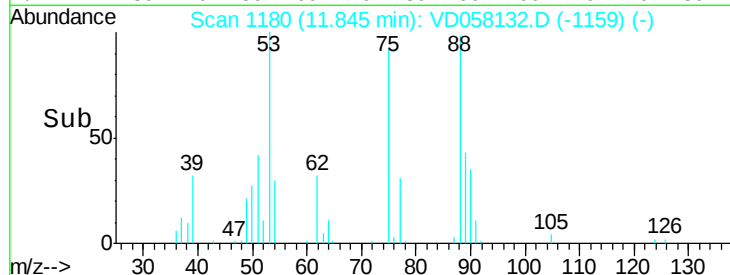
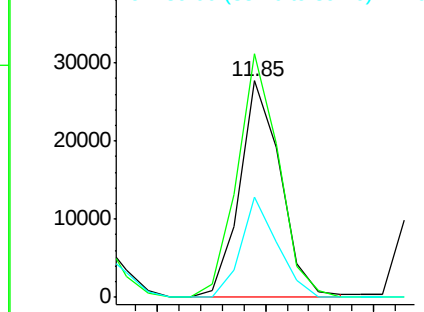
Tot Ion:	75	Resp:	36768
Ion Ratio	Lower	Upper	
75	100		
53	112.4	89.3	133.9
89	46.3	33.3	49.9

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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.647 ug/l

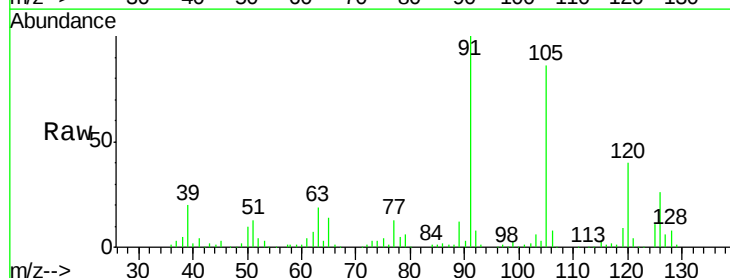
RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

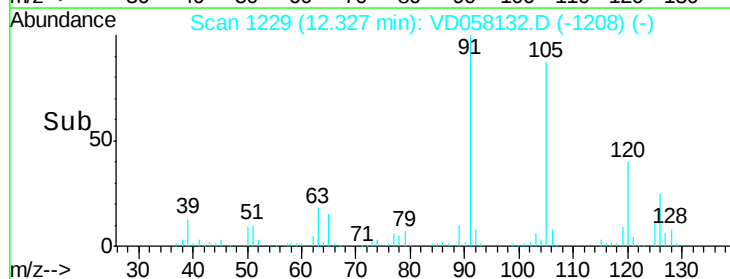
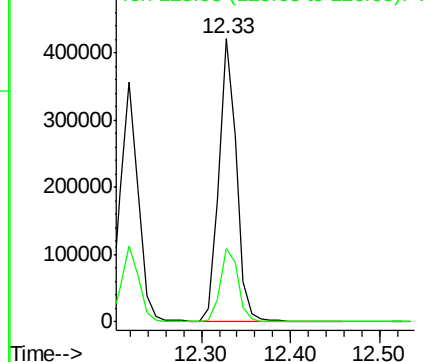
Lab File: VD058132.D

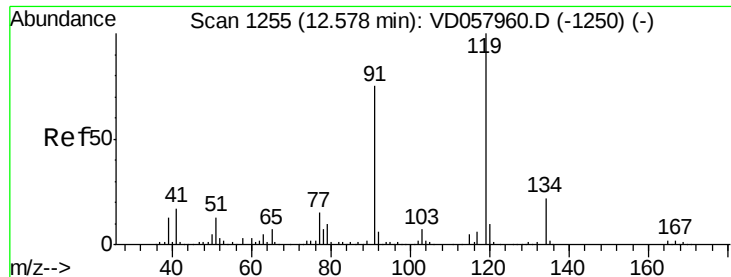
Acq: 14 Jun 2018 13:34

Tgt Ion:	91	Resp:	577891
Ion Ratio	Lower	Upper	
91	100		
126	25.8	12.5	37.5



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





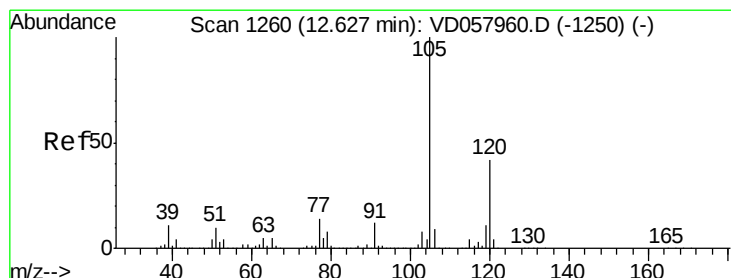
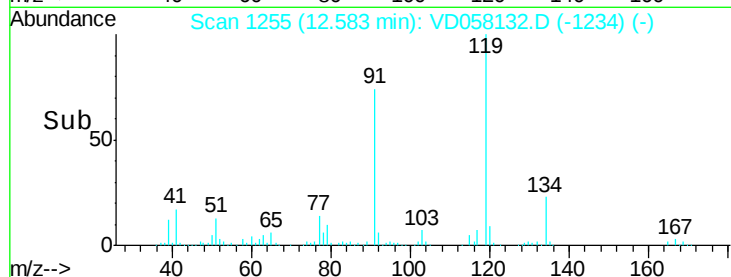
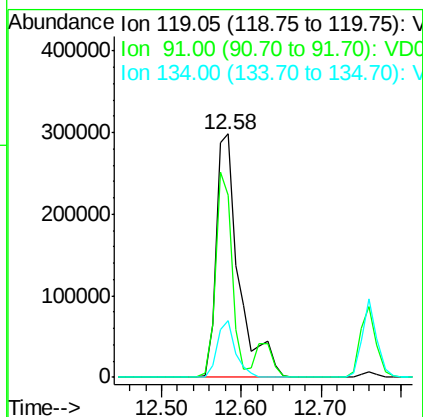
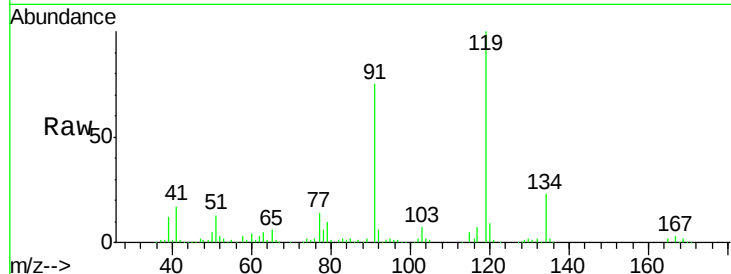
#83
tert-Butylbenzene
Concen: 21.477 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	597812		
91	74.6		37.6	112.9
134	23.3		11.2	33.5

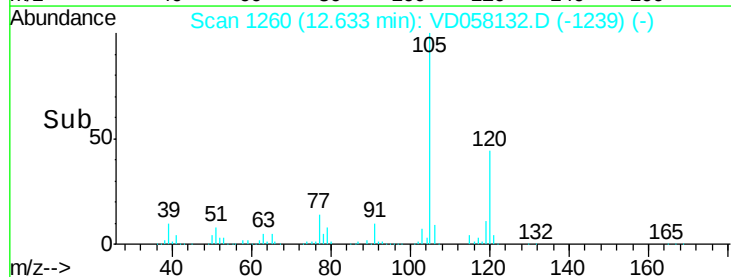
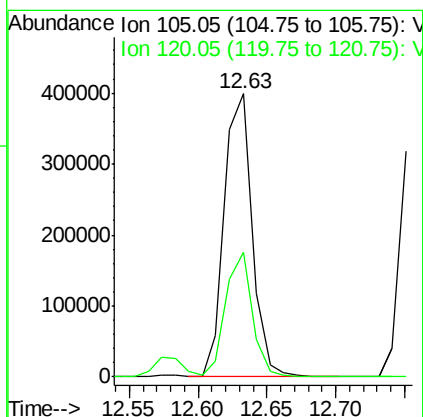
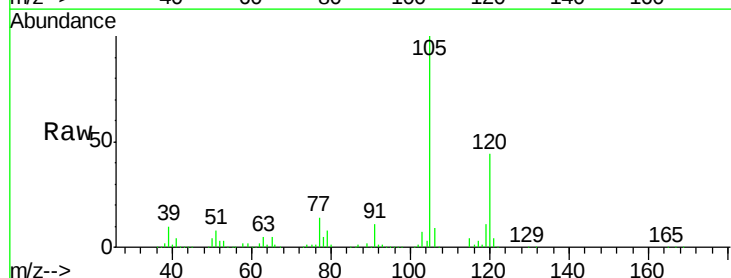
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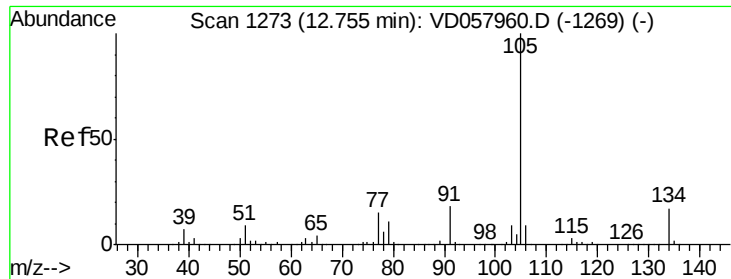
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#84
1,2,4-Trimethylbenzene
Concen: 21.139 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	560289		
120	44.0		21.2	63.6





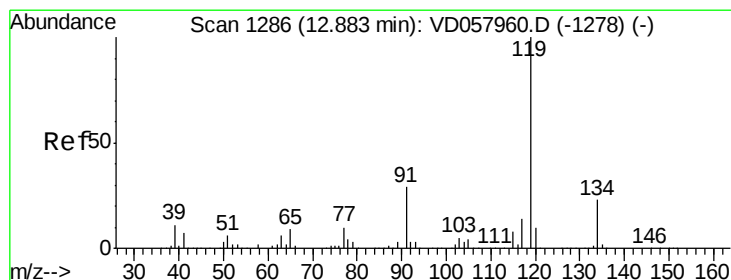
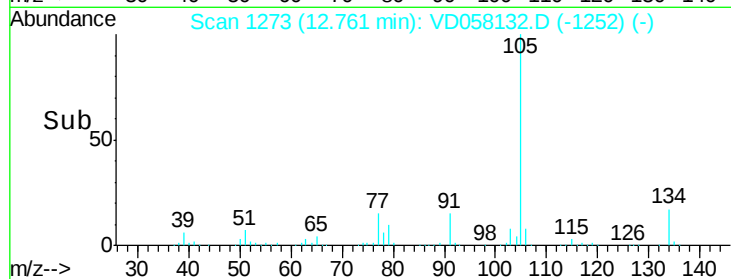
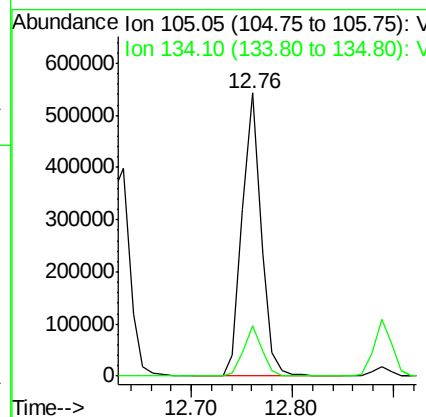
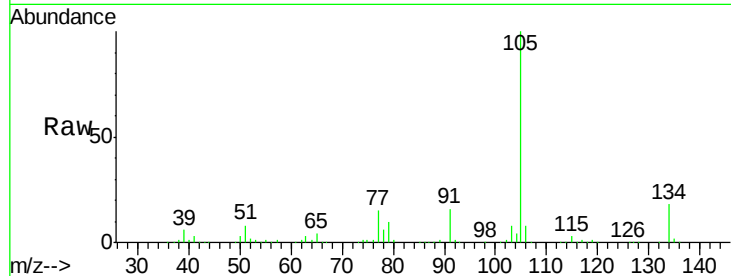
#85
 sec-Butylbenzene
 Concen: 21.066 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	8.3	25.1

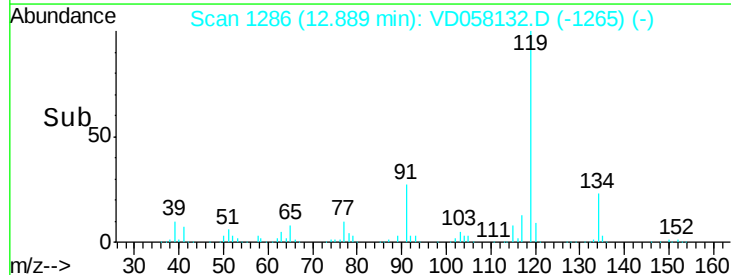
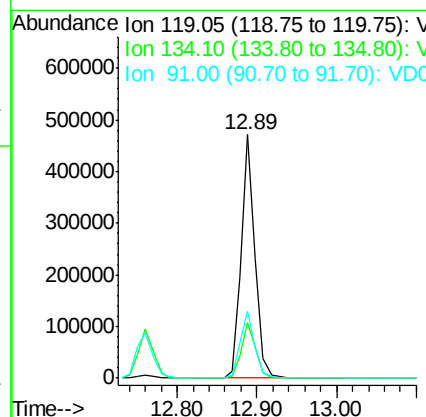
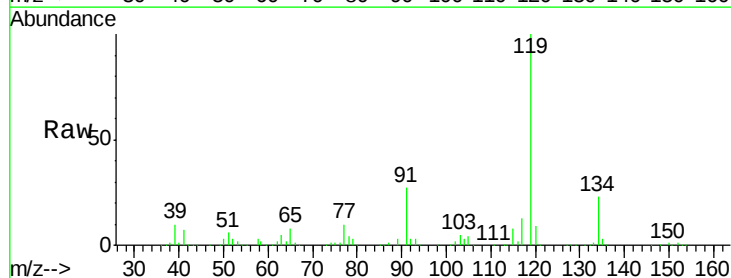
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#86
 p-Isopropyltoluene
 Concen: 21.056 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.0	11.5	34.4
91	27.3	14.5	43.6





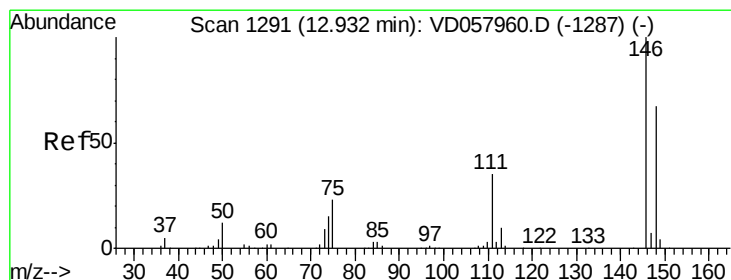
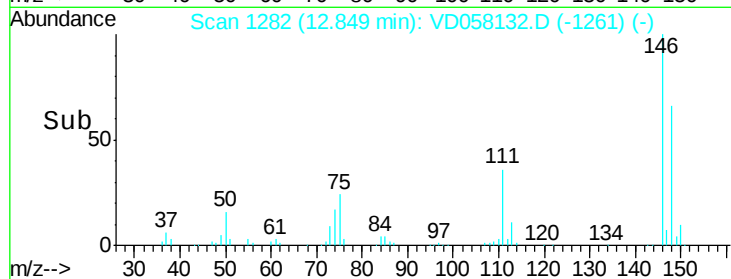
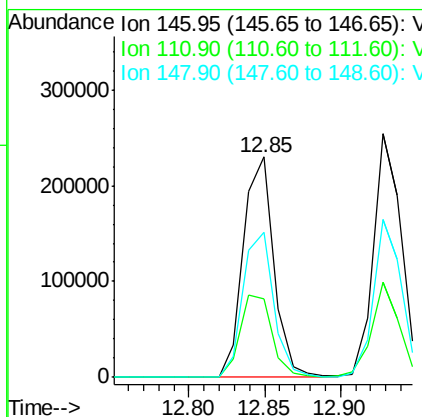
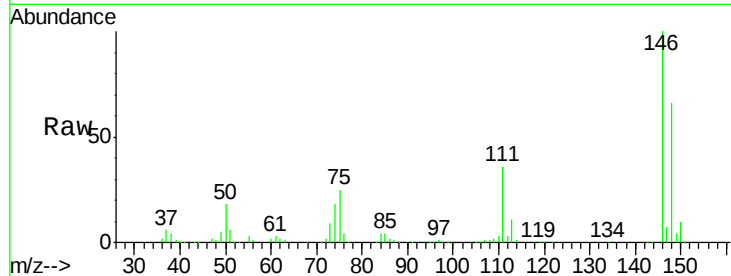
#87
 1,3-Dichlorobenzene
 Concen: 20.426 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	19.1	57.3
148	66.0	32.0	96.2

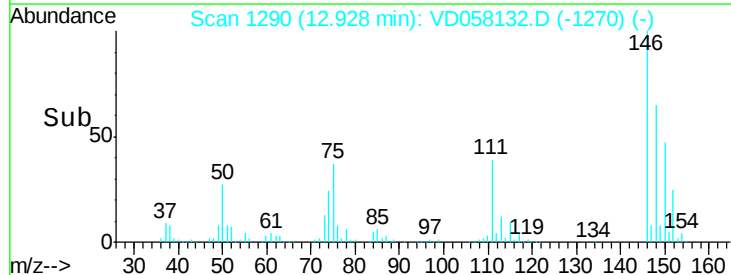
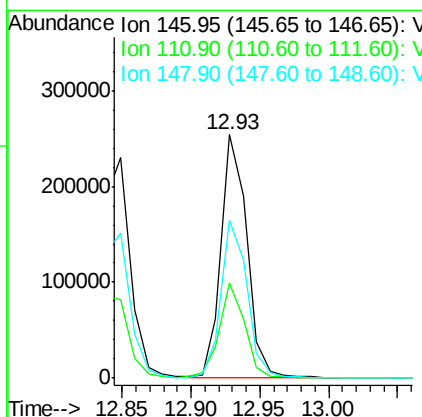
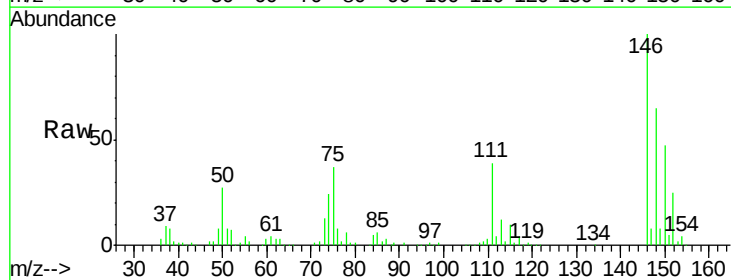
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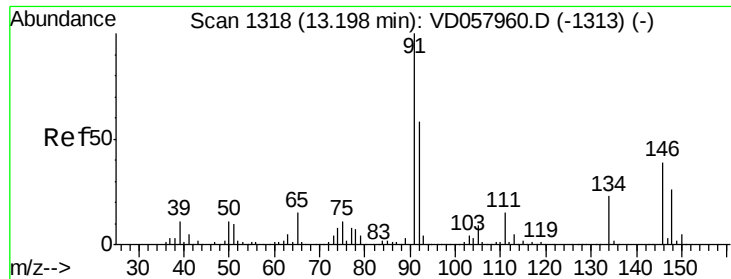
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#88
 1,4-Dichlorobenzene
 Concen: 21.348 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	17.3	52.0
148	64.9	33.4	100.2





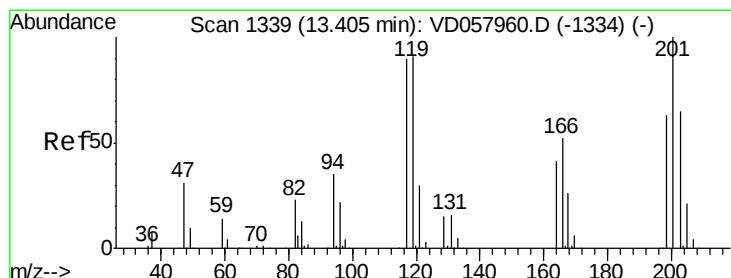
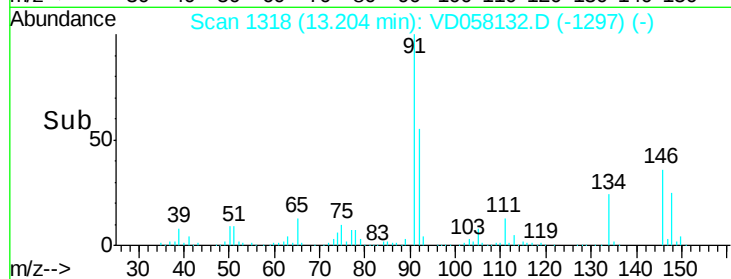
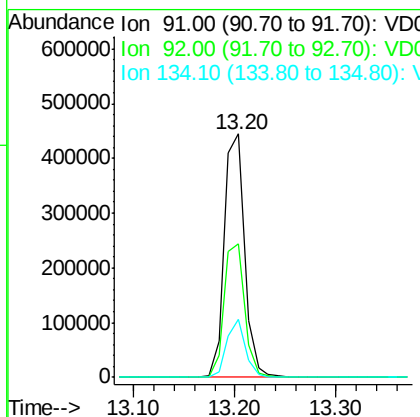
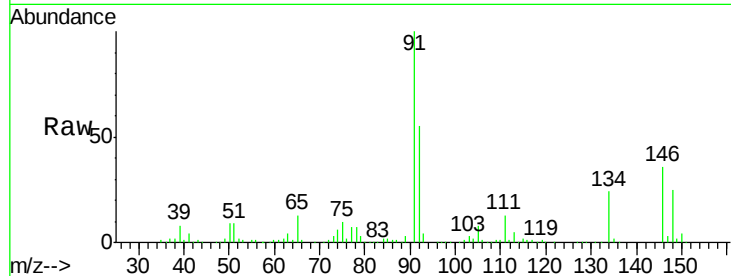
#89
n-Butylbenzene
Concen: 23.243 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	29.2	87.6
134	23.8	11.3	33.9

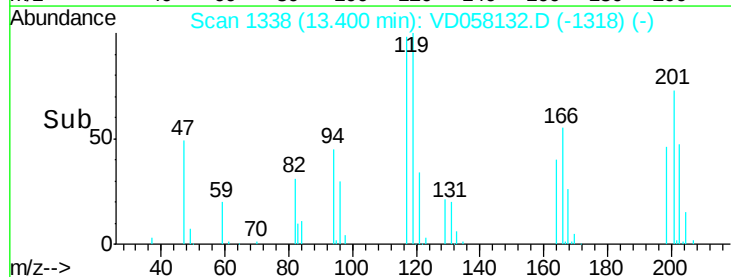
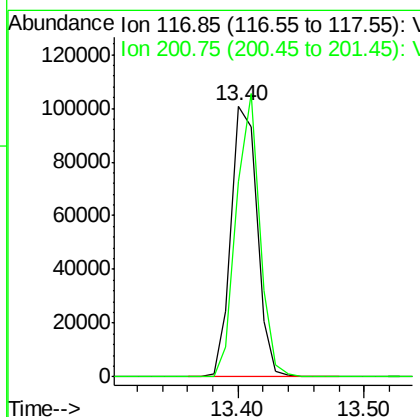
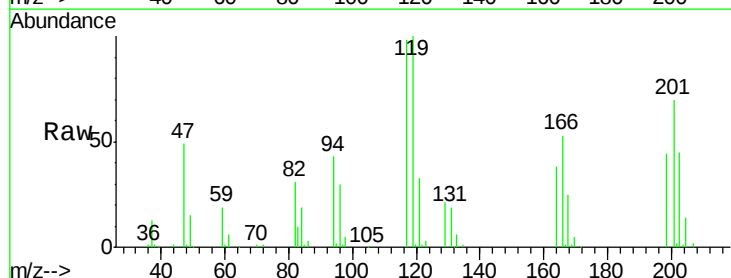
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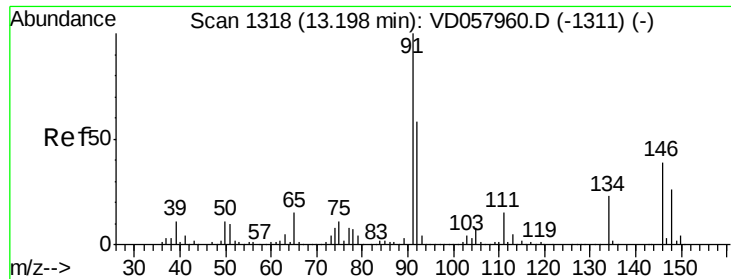
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#90
Hexachloroethane
Concen: 20.847 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	55.4	166.0





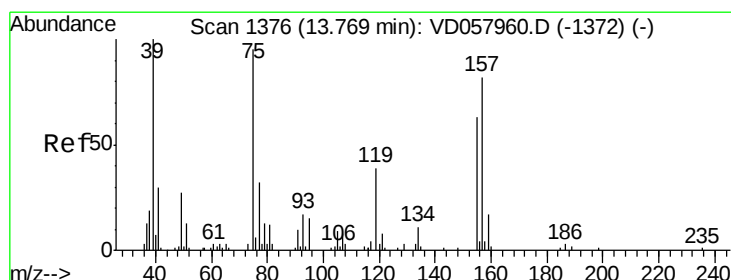
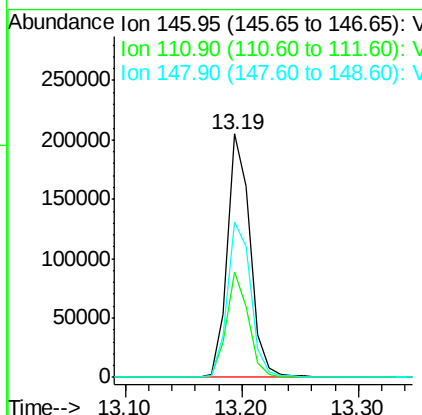
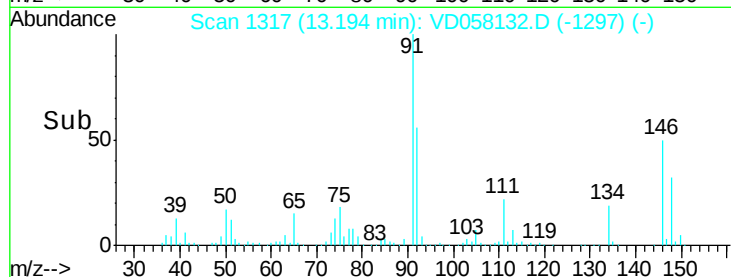
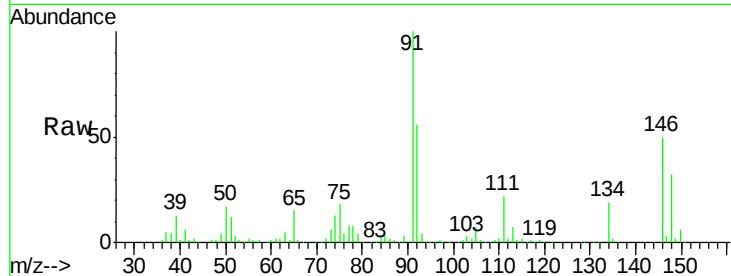
#91
 1,2-Dichlorobenzene
 Concen: 21.784 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.4	58.2
148	63.6	32.6	98.0

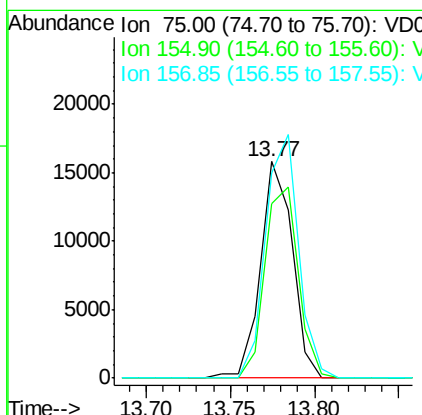
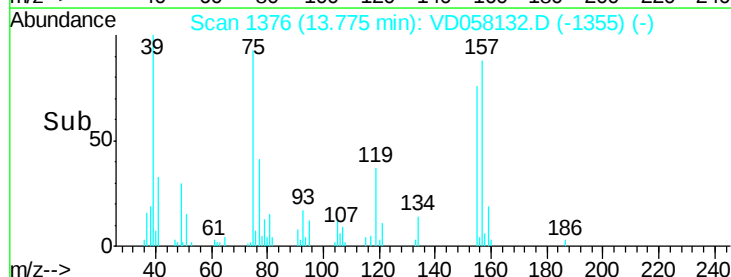
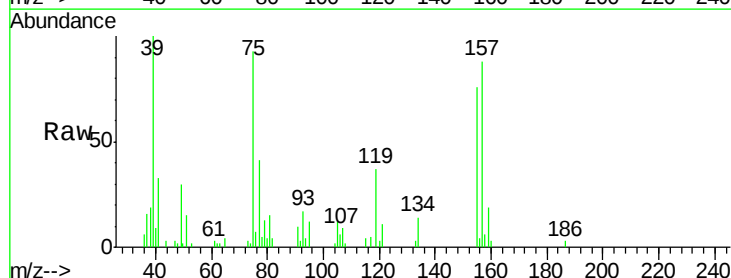
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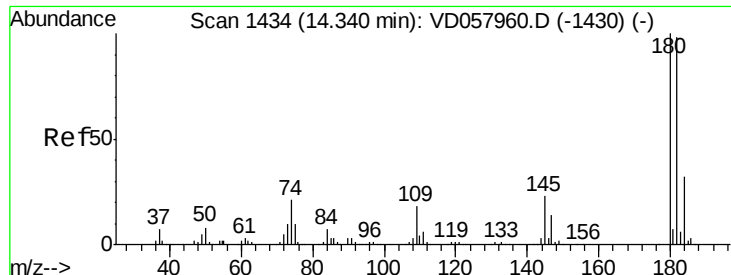
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.513 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	33.4	100.1
157	94.8	42.9	128.5





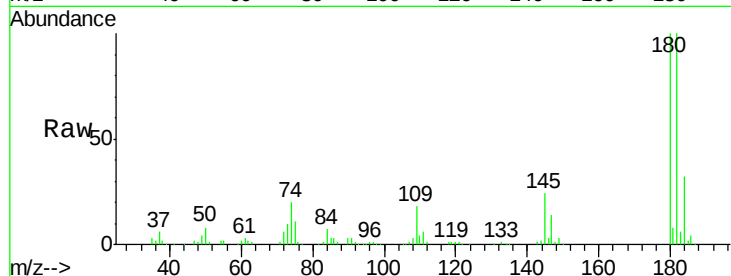
#93
 1,2,4-Trichlorobenzene
 Concen: 21.644 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

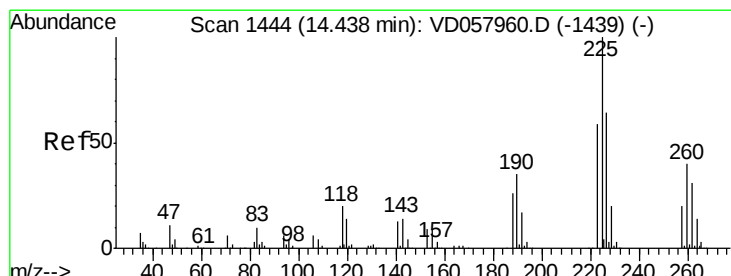
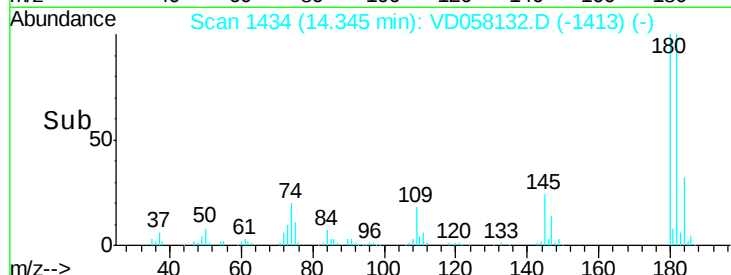
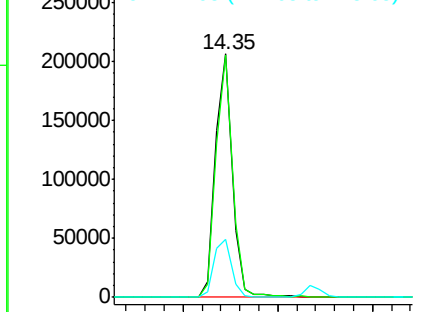
Tot Ion	Ratio	Resp	Lower	Upper
180	100	258641		
182	99.8	49.0	147.2	
145	24.1	11.8	35.3	

Manual Integrations
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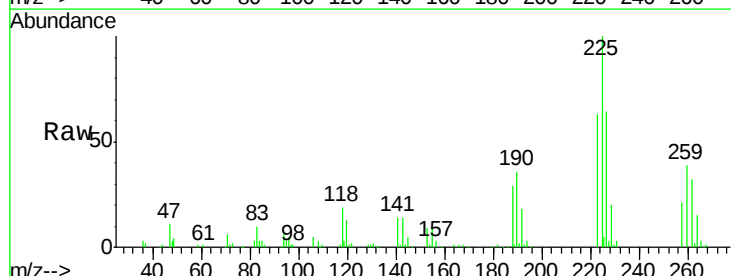


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

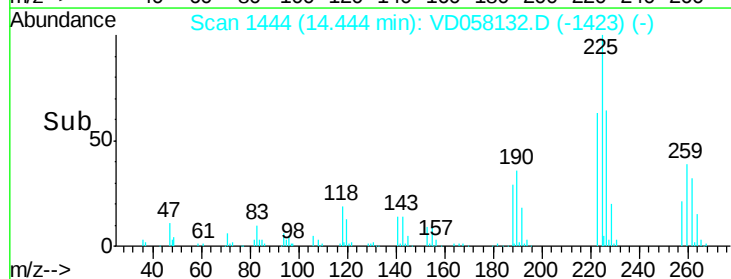
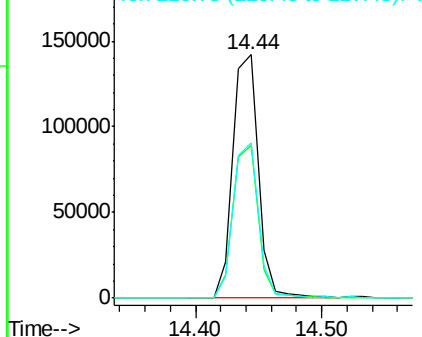


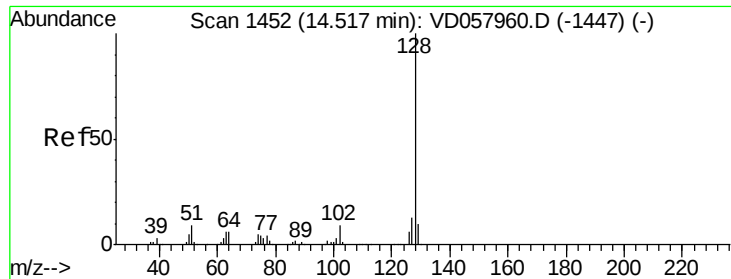
#94
 Hexachlorobutadiene
 Concen: 21.118 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198490		
223	62.9	29.5	88.6	
227	63.8	32.0	96.0	



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





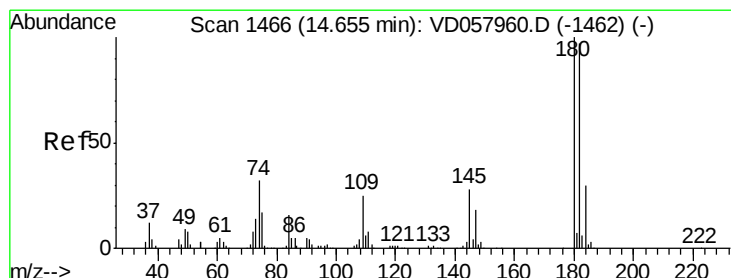
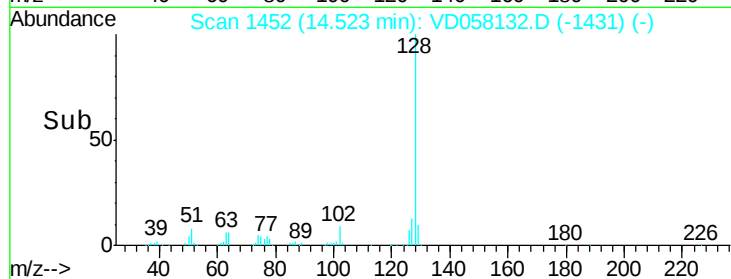
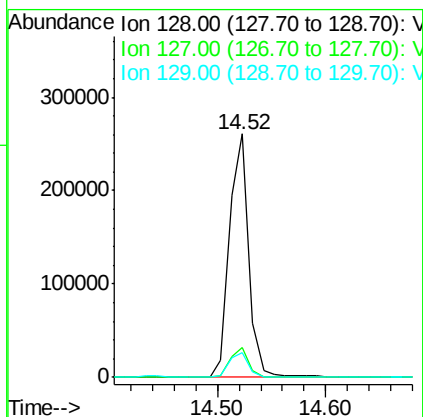
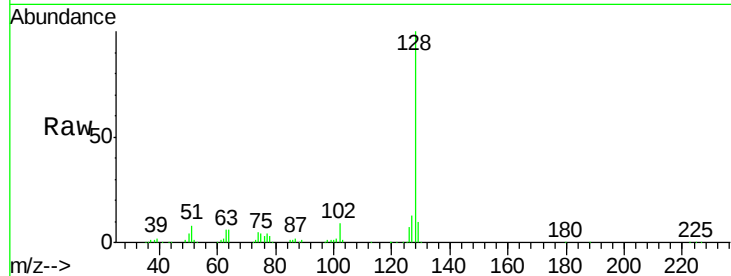
#95
Naphthalene
Concen: 21.183 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	326367		
127	12.5		10.2	15.2
129	10.2		8.2	12.2

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#96
1,2,3-Trichlorobenzene
Concen: 21.743 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	221429		
182	96.4		48.5	145.5
145	28.4		14.2	42.8

