

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
 Data File : VD061675.D
 Acq On : 9 Apr 2019 15:24
 Operator : VA/AP
 Sample : VD0409SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 3:00:01 AM

Quant Time: Apr 10 01:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	605234	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	984055	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	848223	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	349000	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	217561	47.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.84%	
35) Dibromofluoromethane	6.95	113	326217	47.85	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	10.44	98	748715	43.71	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	13.57	95	310266	51.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	115617	17.707	ug/l	100
3) Chloromethane	1.77	50	105469	19.989	ug/l	98
4) Vinyl Chloride	1.85	62	97281	19.730	ug/l	98
5) Bromomethane	2.16	94	19251	16.869	ug/l	99
6) Chloroethane	2.27	64	26586	17.216	ug/l	98
7) Trichlorofluoromethane	2.53	101	147941	19.873	ug/l	97
8) Diethyl Ether	2.88	74	39275	18.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	143363	19.588	ug/l	94
10) Methyl Iodide	3.32	142	189228	19.725	ug/l	96
11) Tert butyl alcohol	4.08	59	31394	102.108	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	117496	18.622	ug/l	97
13) Acrolein	3.06	56	34363	91.669	ug/l	93
14) Allyl chloride	3.64	41	176960	20.563	ug/l	98
15) Acrylonitrile	4.22	53	97870	92.472	ug/l	94
16) Acetone	3.23	43	124736	90.955	ug/l	99
17) Carbon Disulfide	3.39	76	384103	18.735	ug/l	97
18) Methyl Acetate	3.66	43	56160	21.766	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	218230	19.976	ug/l	98
20) Methylene Chloride	3.83	84	156691	20.135	ug/l	97
21) trans-1,2-Dichloroethene	4.25	96	128622	18.769	ug/l	95
22) Diisopropyl ether	5.15	45	361146	20.016	ug/l	98
23) Vinyl Acetate	5.08	43	956085	96.036	ug/l	99
24) 1,1-Dichloroethane	5.01	63	202409	18.307	ug/l	99
25) 2-Butanone	6.10	43	147693	93.418	ug/l	98
26) 2,2-Dichloropropane	6.05	77	177323	19.697	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	141531	19.359	ug/l	92
28) Bromochloromethane	6.47	49	80122	19.645	ug/l	93
29) Tetrahydrofuran	6.48	42	79135	103.689	ug/l	98
30) Chloroform	6.70	83	231960	20.027	ug/l	95
31) Cyclohexane	6.98	56	165699	19.184	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	196413	19.351	ug/l	100
36) 1,1-Dichloropropene	7.17	75	174472	20.258	ug/l	100
37) Ethyl Acetate	6.21	43	72821	20.759	ug/l #	94
38) Carbon Tetrachloride	7.14	117	208036m	20.611	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	169992	19.226	ug/l	95
40) Benzene	7.49	78	427724	20.586	ug/l	99
41) Methacrylonitrile	6.47	41	86473	21.117	ug/l	96
42) 1,2-Dichloroethane	7.60	62	141856	21.710	ug/l	98
43) Isopropyl Acetate	9.27	43	103161	20.263	ug/l #	99
44) Trichloroethene	8.57	130	166585	20.914	ug/l	98
45) 1,2-Dichloropropane	8.96	63	111053	21.553	ug/l	99
46) Dibromomethane	9.09	93	75731	20.565	ug/l	99
47) Bromodichloromethane	9.40	83	169280	20.930	ug/l	96
48) Methyl methacrylate	9.15	41	60691	20.681	ug/l	96
49) 1,4-Dioxane	9.11	88	13497	416.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.33	43	302952	100.622	ug/l	97
52) Toluene	10.54	92	259490	20.001	ug/l	98
53) t-1,3-Dichloropropene	10.94	75	162235	22.883	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	182797	20.916	ug/l	96
55) 1,1,2-Trichloroethane	11.22	97	86753	19.826	ug/l	94
56) Ethyl methacrylate	11.07	69	105718	22.902	ug/l	98
57) 1,3-Dichloropropane	11.43	76	142847	22.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	228862	105.074	ug/l	100
59) 2-Hexanone	11.55	43	238261	101.968	ug/l	97
60) Dibromochloromethane	11.71	129	145501	21.046	ug/l	99
61) 1,2-Dibromoethane	11.83	107	107348	20.977	ug/l	96
64) Tetrachloroethene	11.29	164	133702	20.306	ug/l	94
65) Chlorobenzene	12.42	112	325576	19.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	141706	21.892	ug/l	93
67) Ethyl Benzene	12.55	91	538573	21.026	ug/l	98
68) m/p-Xylenes	12.68	106	418440	42.373	ug/l	96
69) o-Xylene	13.07	106	182568	19.152	ug/l	93
70) Styrene	13.09	104	330335	20.291	ug/l	98
71) Bromoform	13.25	173	76769	19.115	ug/l	98
73) Isopropylbenzene	13.42	105	490339	21.086	ug/l	98
74) N-amyl acetate	13.28	43	137062	21.693	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	100608	20.924	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	100059	21.073	ug/l	93
77) Bromobenzene	13.69	156	155499	23.037	ug/l	86
78) n-propylbenzene	13.79	91	637928	22.933	ug/l	100
79) 2-Chlorotoluene	13.85	91	365410	22.971	ug/l	95
80) 1,3,5-Trimethylbenzene	13.95	105	433376	23.480	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	29835	20.707	ug/l	98
82) 4-Chlorotoluene	13.96	91	418545	24.012	ug/l	98
83) tert-Butylbenzene	14.21	119	500013	22.469	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	384914	20.663	ug/l	99
85) sec-Butylbenzene	14.39	105	534015	22.210	ug/l	94
86) p-Isopropyltoluene	14.50	119	462128	22.156	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	264198	22.743	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	249118	21.254	ug/l	98
89) n-Butylbenzene	14.81	91	434240	23.952	ug/l	99
90) Hexachloroethane	15.03	117	122781	21.694	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	230708	24.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	11539	19.887	ug/l	80

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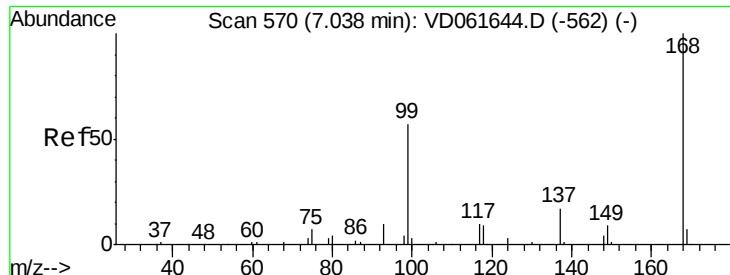
Manual Integrations
APPROVED

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4/11/2019 3:00:01 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	131764	27.013	ug/l	98
94) Hexachlorobutadiene	16.05	225	94132	24.993	ug/l	99
95) Naphthalene	16.14	128	182284	23.618	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	68634	28.194	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061675.D

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MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion:168 Resp: 605234

Ion Ratio Lower Upper

168 100

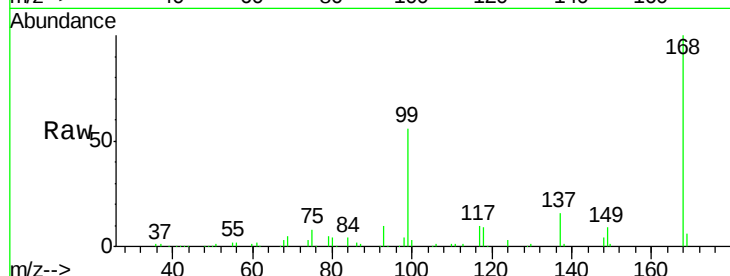
99 56.2 46.8 70.2

Manual Integrations

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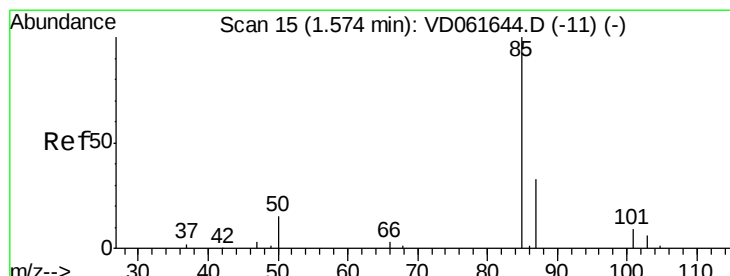
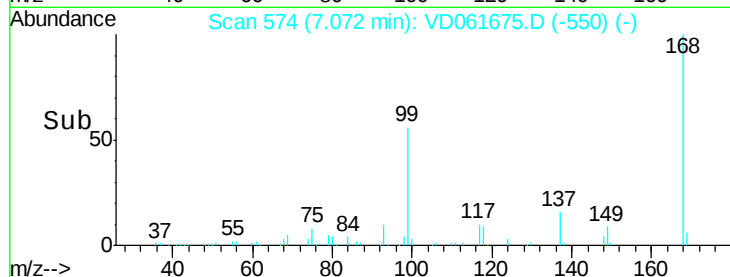
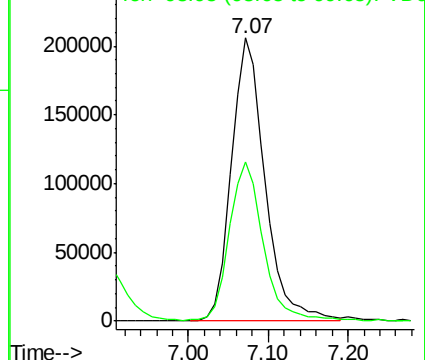
MMDadoda

4/11/2019 3:00:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.707 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061675.D

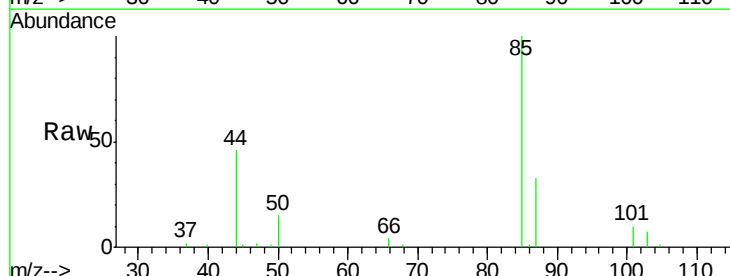
Acq: 9 Apr 2019 15:24

Tgt Ion: 85 Resp: 115617

Ion Ratio Lower Upper

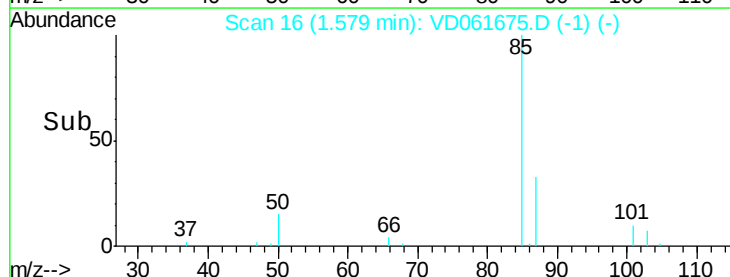
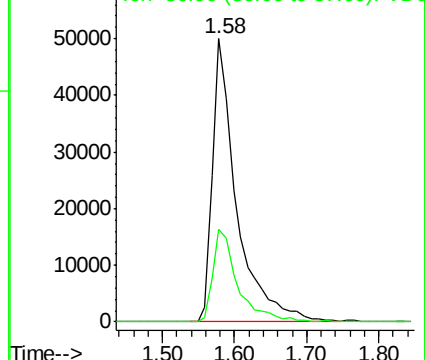
85 100

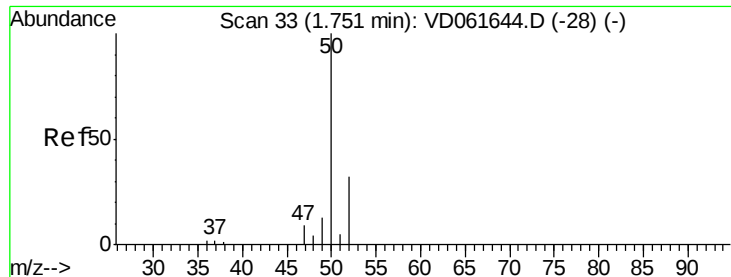
87 33.0 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.989 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 50 Resp: 105469

Ion Ratio Lower Upper

50 100

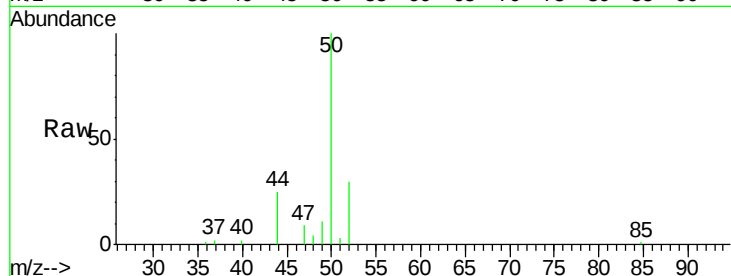
52 30.5 25.1 37.7

Manual Integrations

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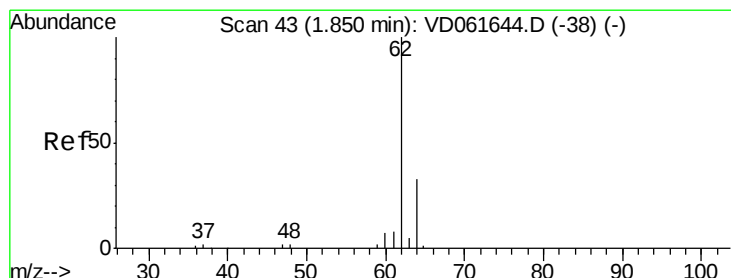
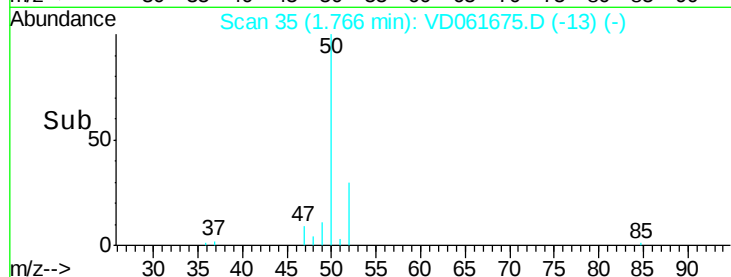
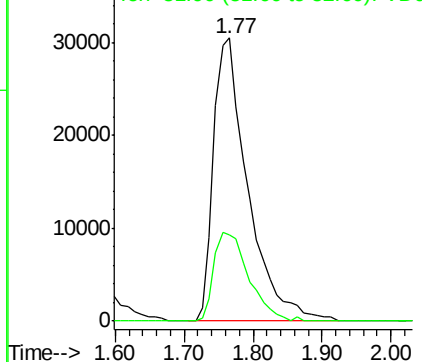
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.730 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061675.D

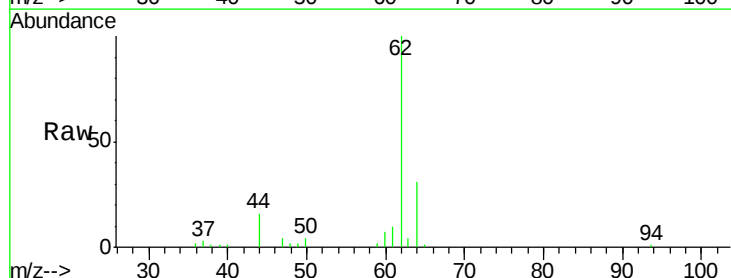
Acq: 9 Apr 2019 15:24

Tgt Ion: 62 Resp: 97281

Ion Ratio Lower Upper

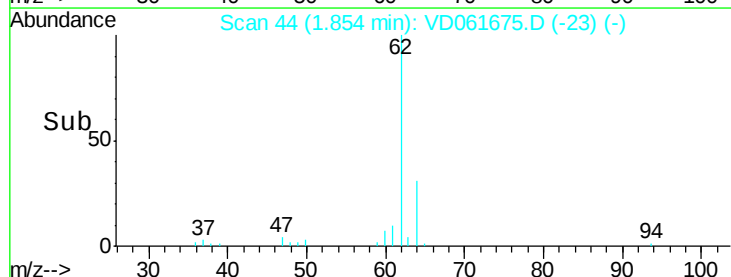
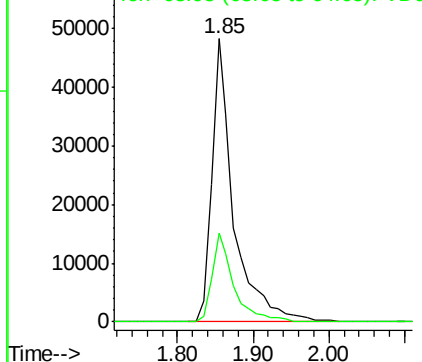
62 100

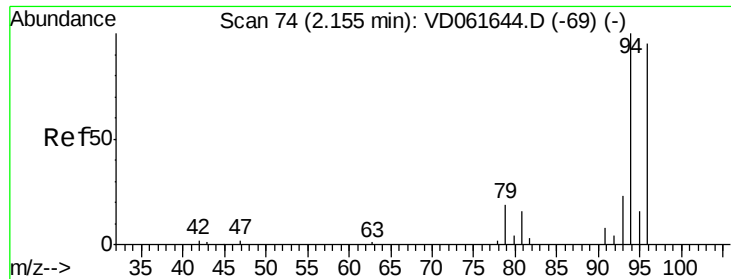
64 31.3 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.869 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

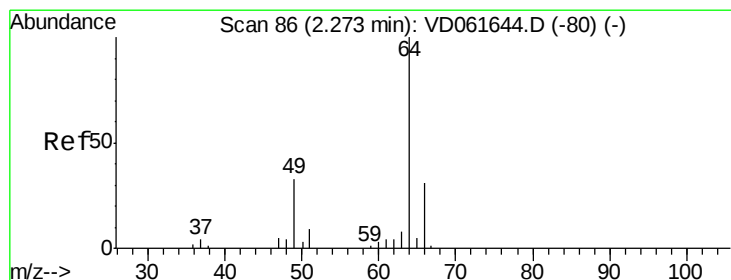
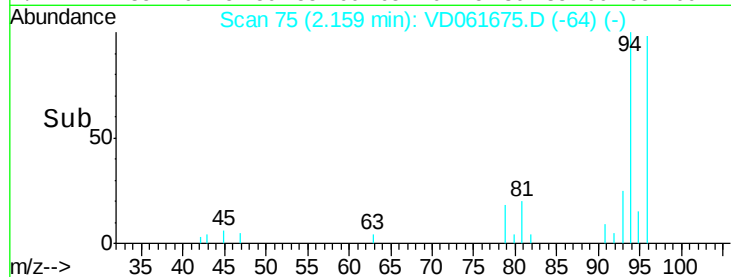
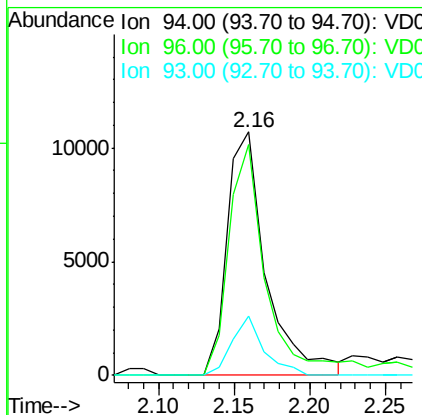
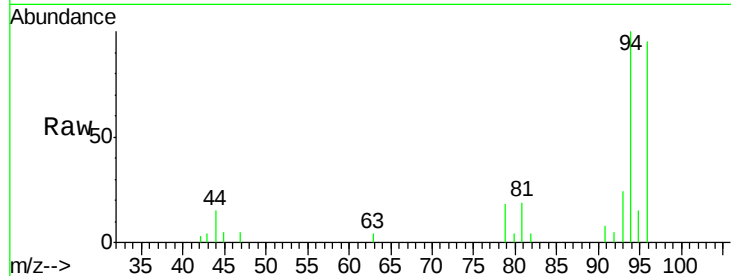
ClientSampleId :

VD0409SBS01

Tgt Ion:	94	Resp:	19251
Ion	Ratio	Lower	Upper
94	100		
96	95.1	75.8	113.8
93	24.2	18.6	28.0

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#6

Chloroethane

Concen: 17.216 ug/l

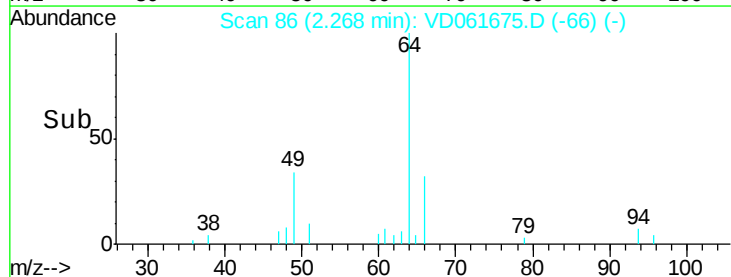
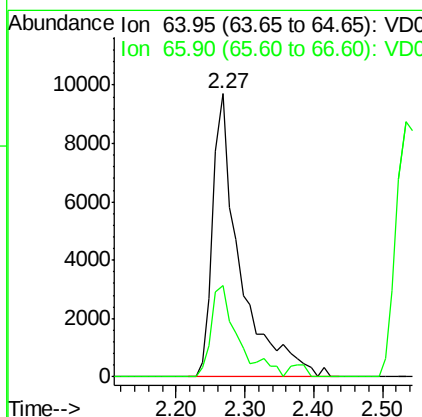
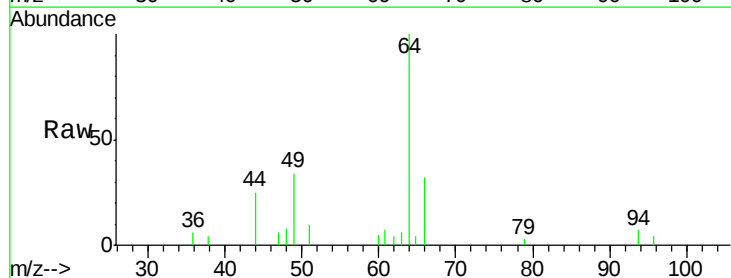
RT: 2.27 min Scan# 86

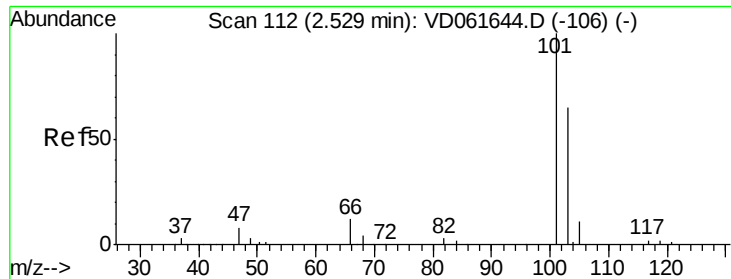
Delta R.T. -0.01 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Tgt Ion:	64	Resp:	26586
Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.9	37.3





#7

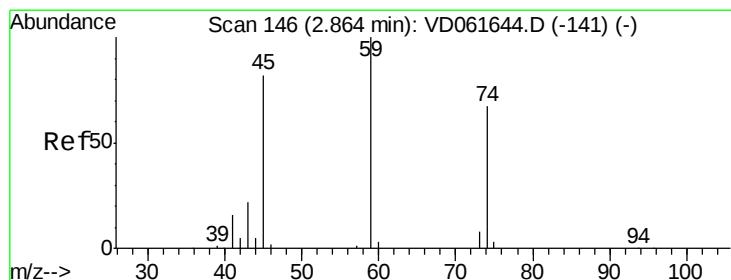
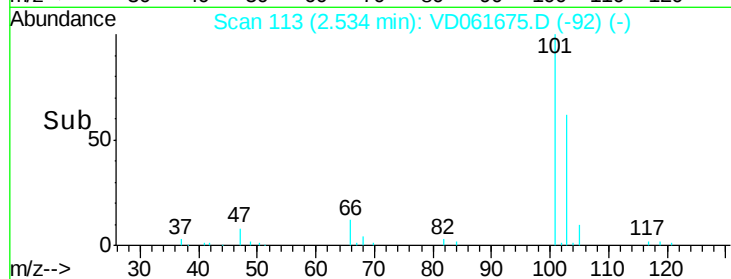
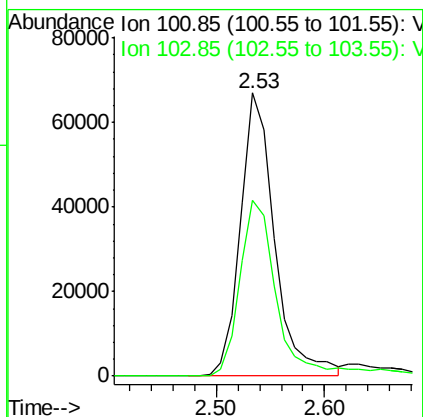
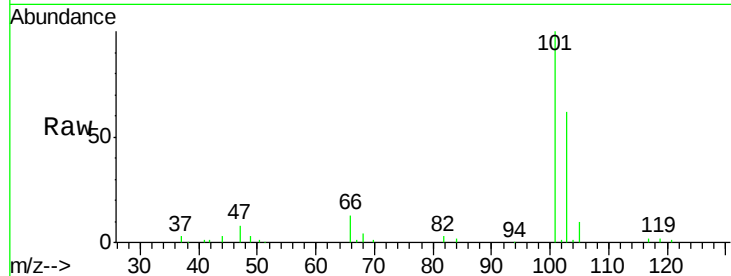
Trichlorofluoromethane
Concen: 19.873 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion: 101 Resp: 147941
Ion Ratio Lower Upper
101 100
103 62.3 52.0 78.0

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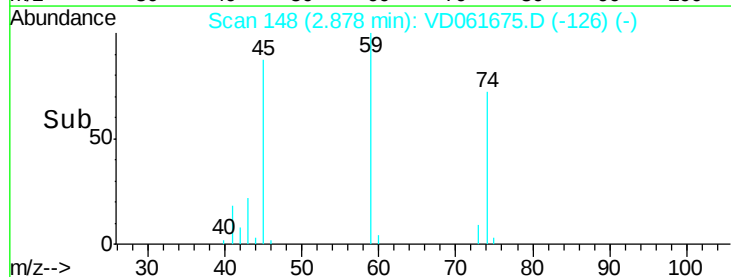
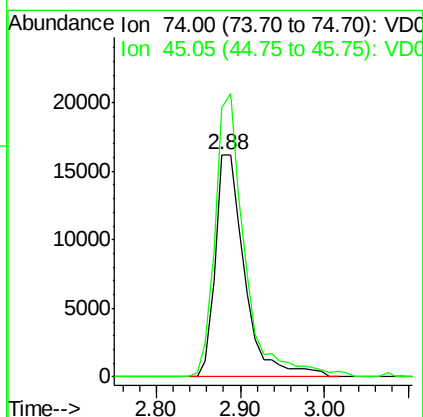
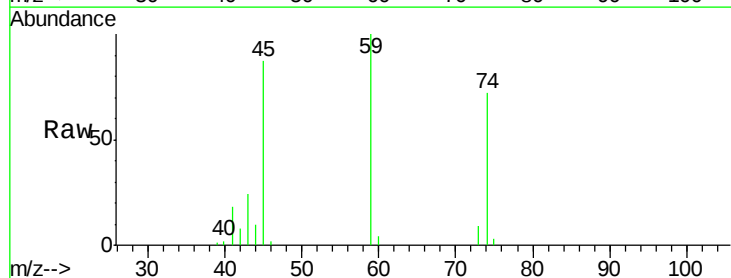
MMDadoda
4/11/2019 3:00:01 AM

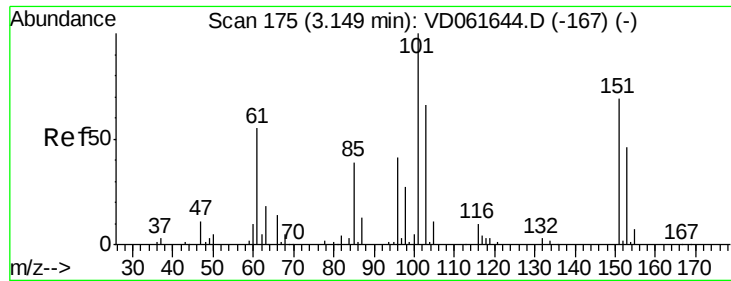


#8

Diethyl Ether
Concen: 18.799 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 74 Resp: 39275
Ion Ratio Lower Upper
74 100
45 121.1 61.0 183.0





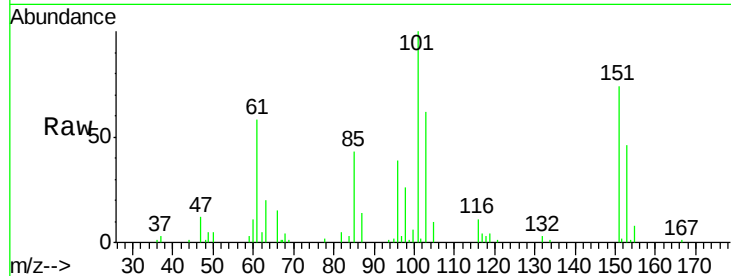
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.588 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VD061675.D
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 VD0409SBS01

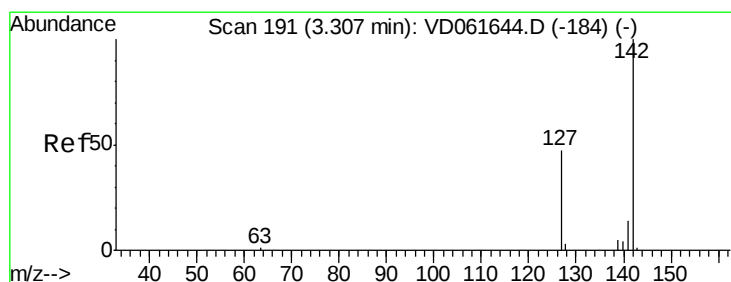
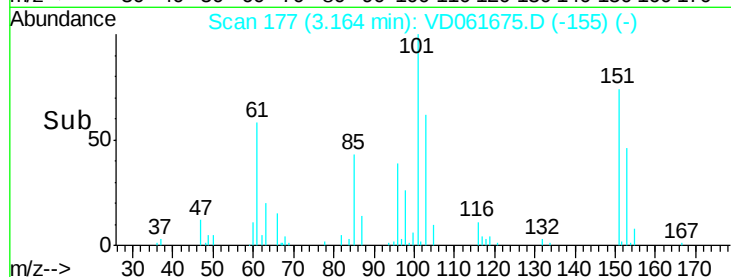
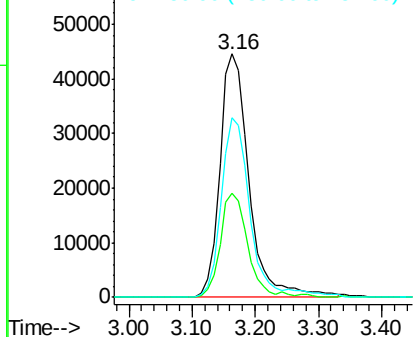
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	143363		
85	42.7	31.0	46.6	
151	74.0	55.3	82.9	

Manual Integrations
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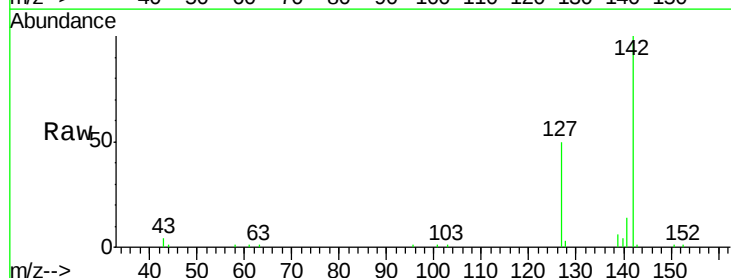


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

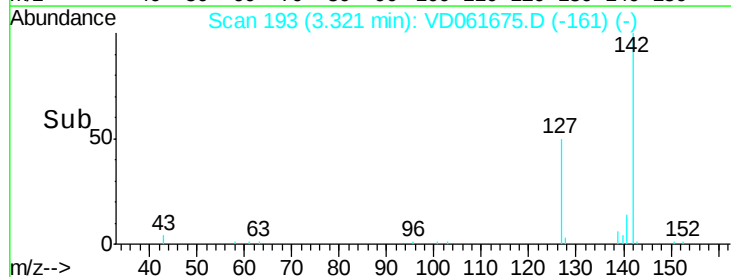
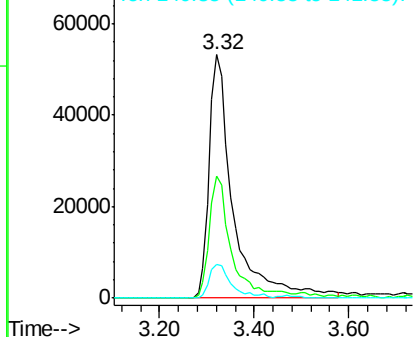


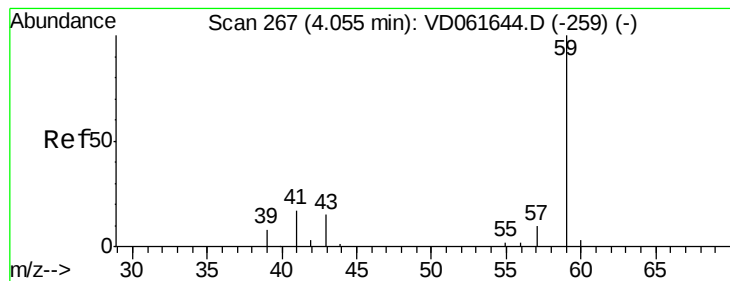
#10
 Methyl Iodide
 Concen: 19.725 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	189228		
127	50.0	37.2	55.8	
141	13.9	10.8	16.2	



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





#11

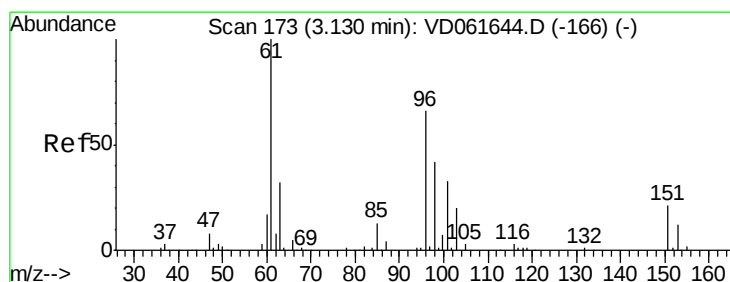
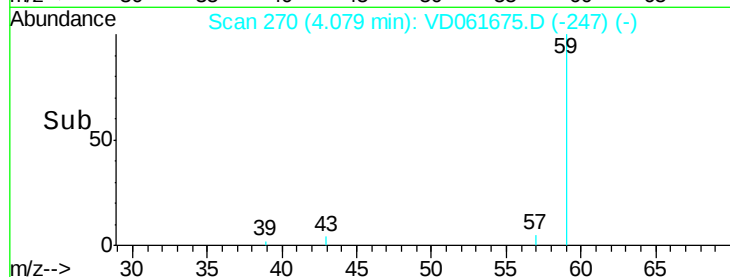
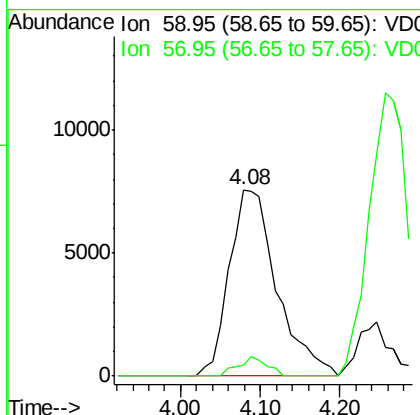
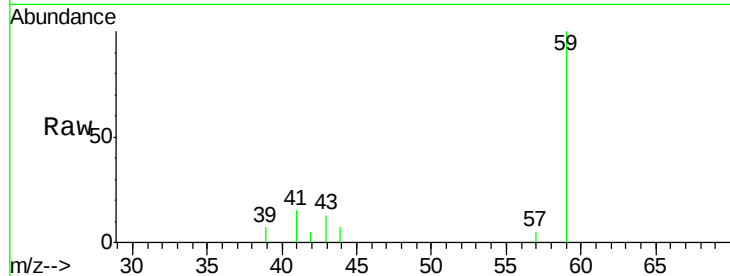
Tert butyl alcohol
Concen: 102.108 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 59 Resp: 31394
Ion Ratio Lower Upper
59 100
57 5.5 8.4 12.6#

Manual Integrations
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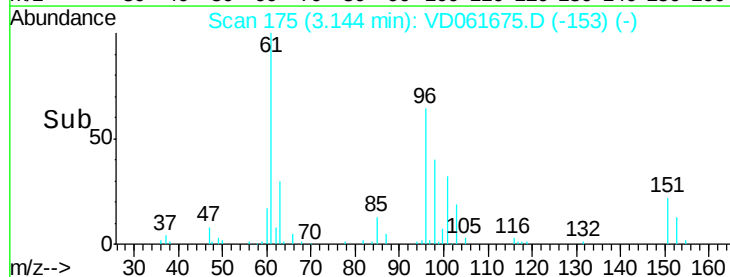
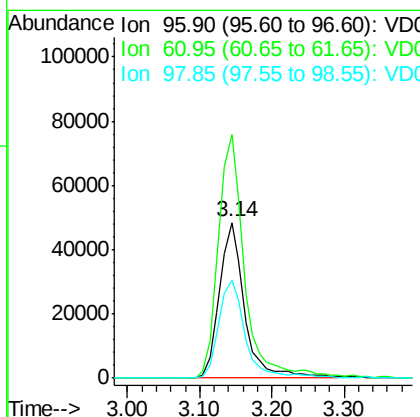
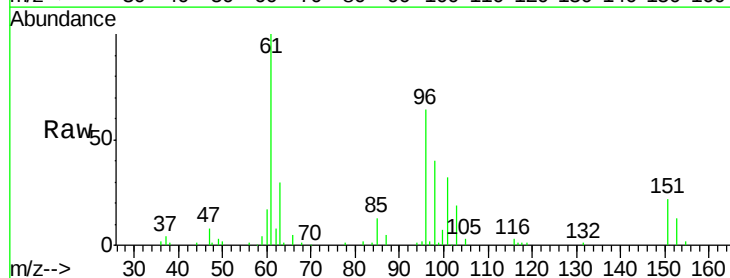
MMDadoda
4/11/2019 3:00:01 AM

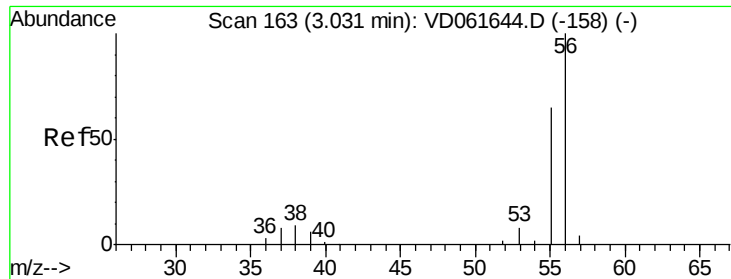


#12

1,1-Dichloroethene
Concen: 18.622 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 96 Resp: 117496
Ion Ratio Lower Upper
96 100
61 156.7 121.3 181.9
98 62.9 50.6 76.0





#13

Acrolein

Concen: 91.669 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 56 Resp: 34363

Ion Ratio Lower Upper

56 100

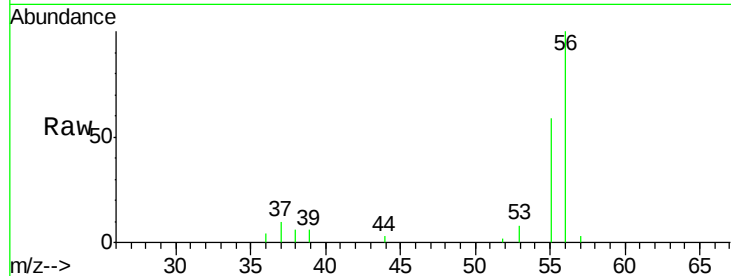
55 59.4 51.8 77.6

Manual Integrations

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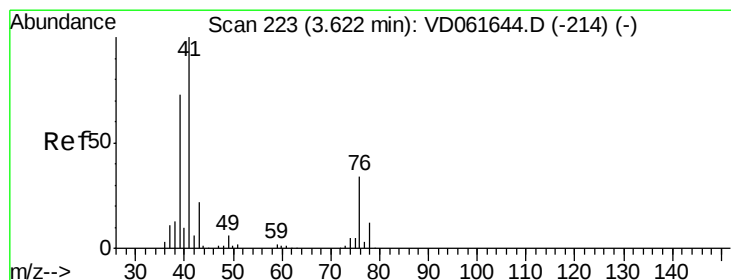
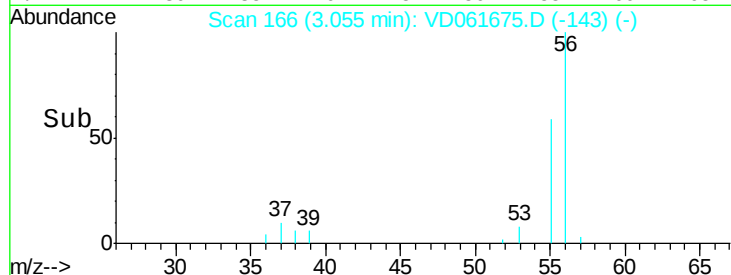
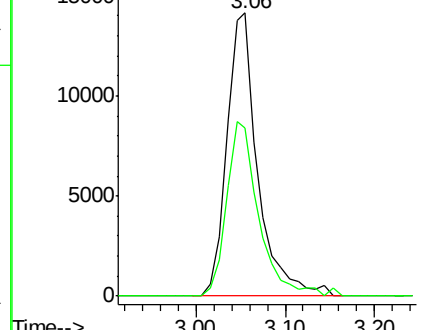
MMDadoda

4/11/2019 3:00:01 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.563 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

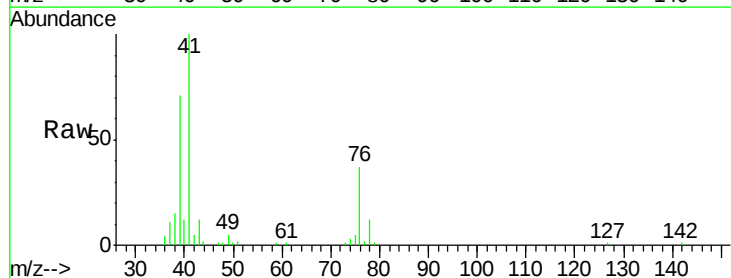
Tgt Ion: 41 Resp: 176960

Ion Ratio Lower Upper

41 100

39 70.7 58.2 87.4

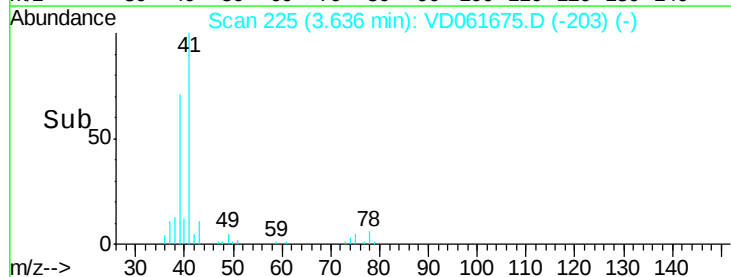
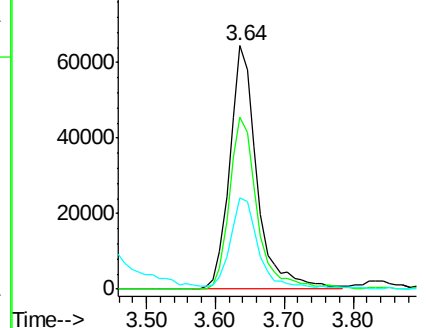
76 37.4 29.8 44.6

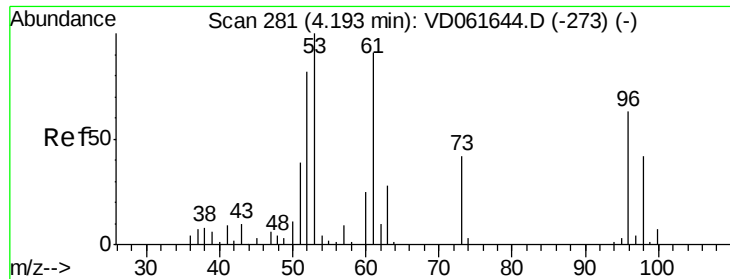


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





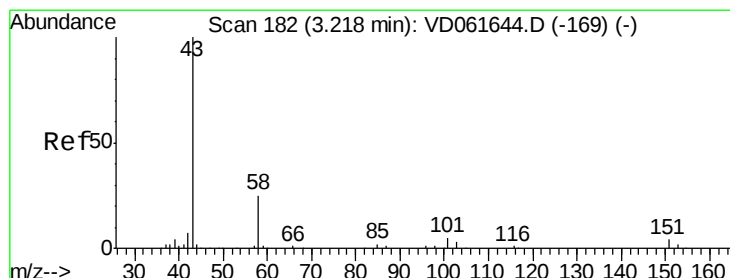
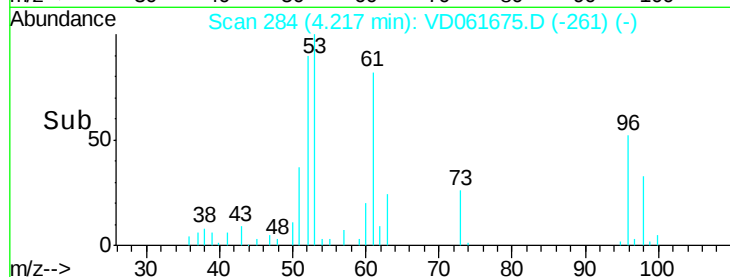
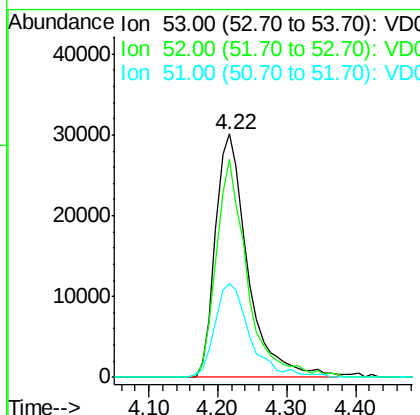
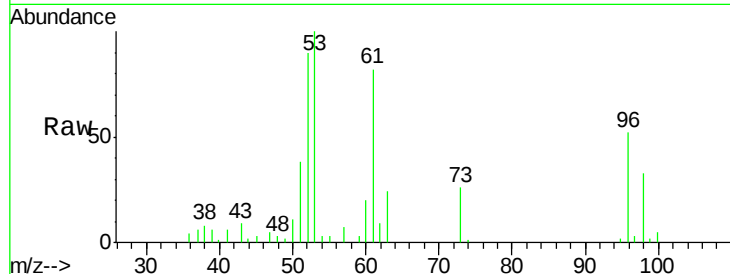
#15
Acrylonitrile
Concen: 92.472 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	89.6	65.9	98.9
51	38.5	31.4	47.2

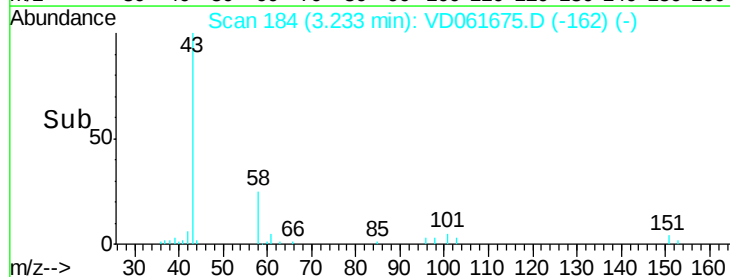
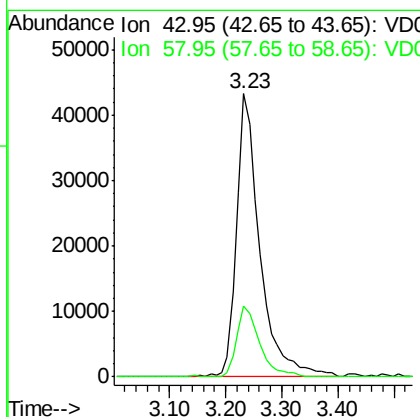
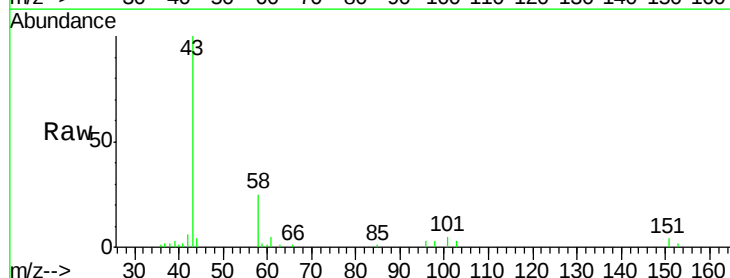
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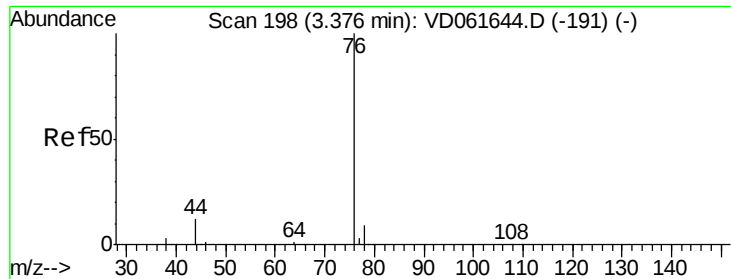
MMDadoda
4/11/2019 3:00:01 AM



#16
Acetone
Concen: 90.955 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.7	29.5





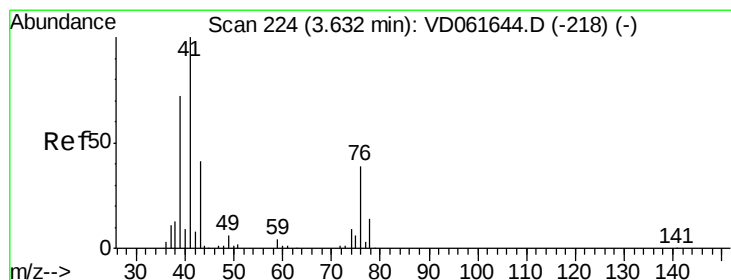
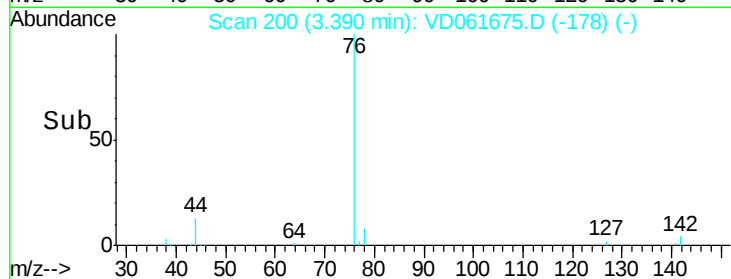
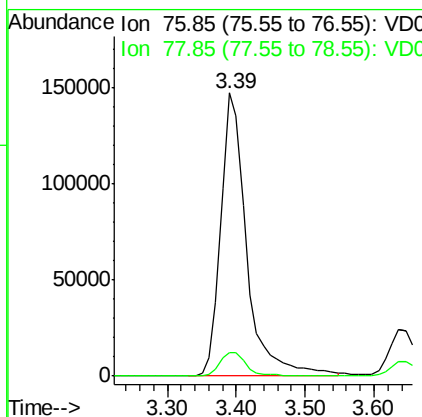
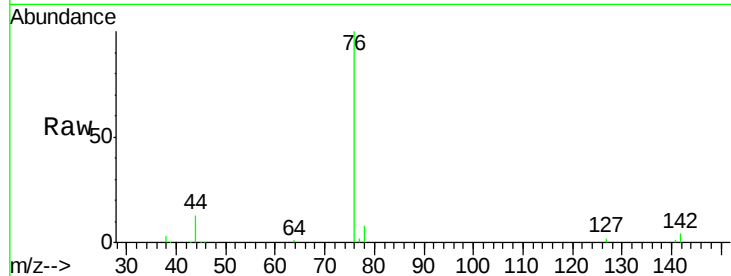
#17
Carbon Disulfide
Concen: 18.735 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 76 Resp: 384103
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2

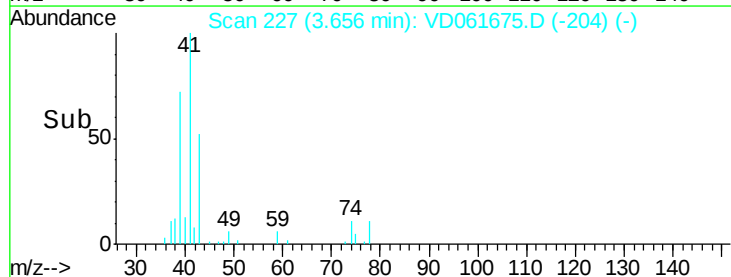
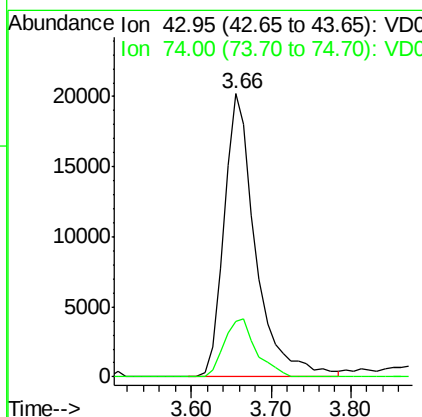
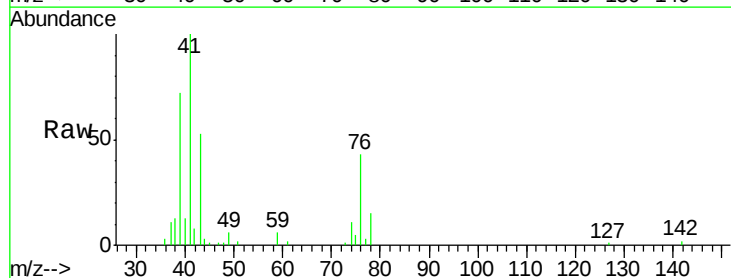
Manual Integrations
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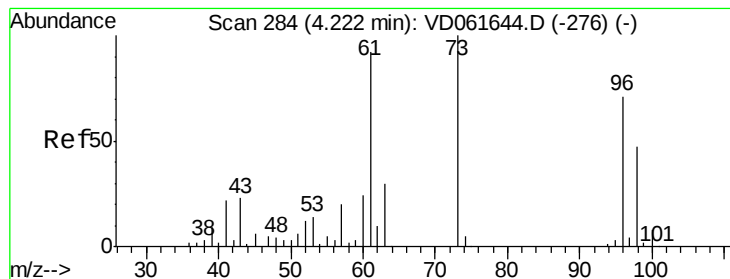
MMDadoda
4/11/2019 3:00:01 AM



#18
Methyl Acetate
Concen: 21.766 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 43 Resp: 56160
Ion Ratio Lower Upper
43 100
74 19.7 18.2 27.2





#19

Methyl tert-butyl Ether

Concen: 19.976 ug/l

RT: 4.26 min Scan# 288

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS001

Tgt Ion: 73 Resp: 218230

Ion Ratio Lower Upper

73 100

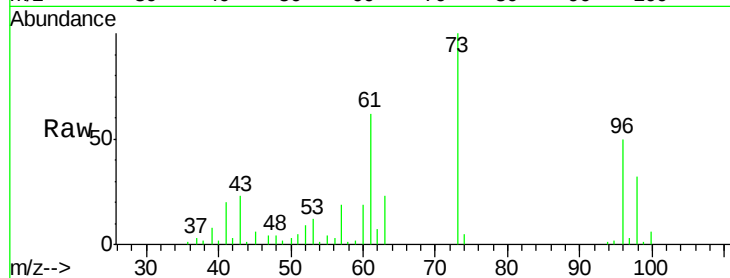
57 19.2 16.0 24.0

Manual Integrations

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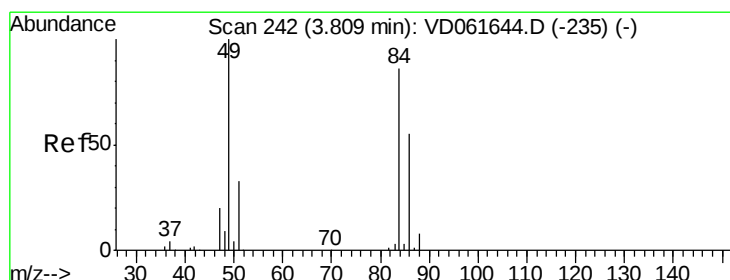
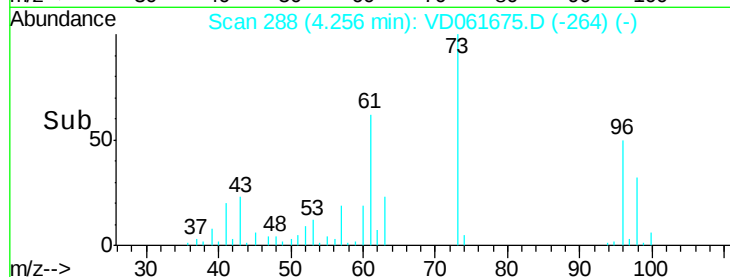
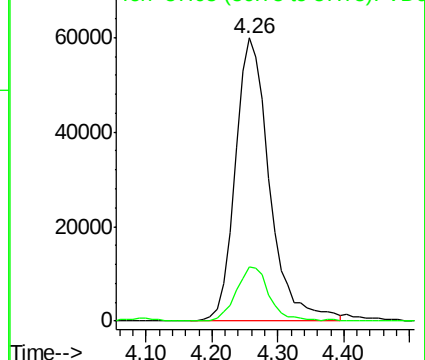
MMDadoda

4/11/2019 3:00:01 AM



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 20.135 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Tgt Ion: 84 Resp: 156691

Ion Ratio Lower Upper

84 100

49 118.7 93.0 139.4

51 35.7 30.4 45.6

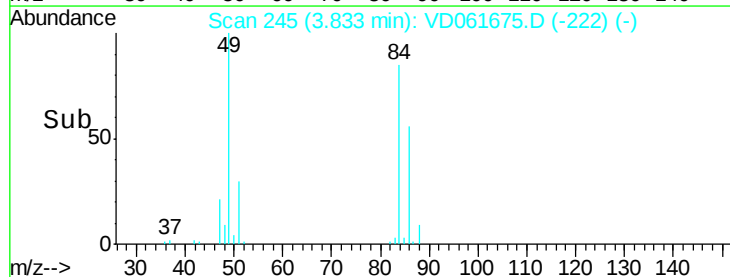
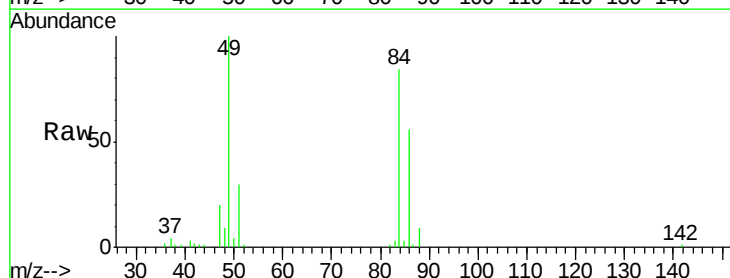
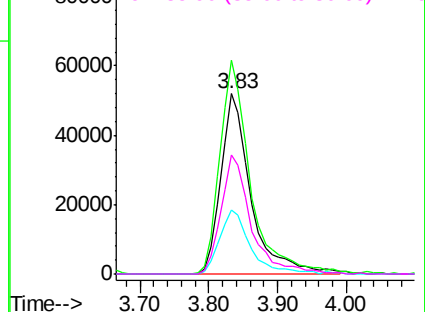
86 66.3 51.0 76.4

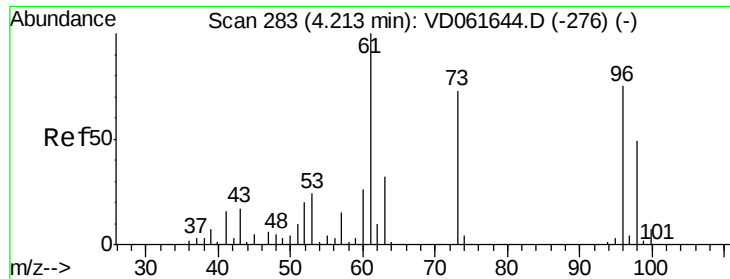
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 18.769 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 96 Resp: 128622

Ion Ratio Lower Upper

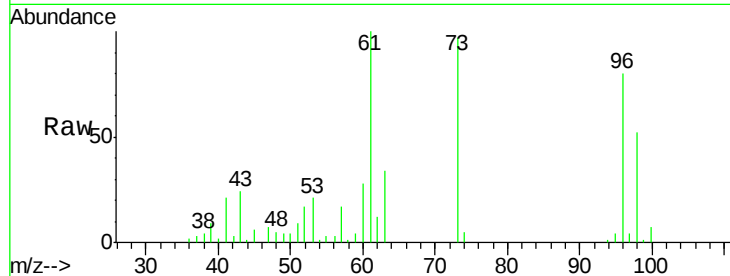
96 100

61 125.2 106.8 160.2

98 65.5 52.2 78.2

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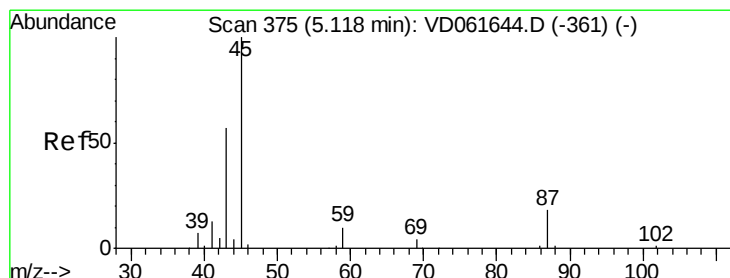
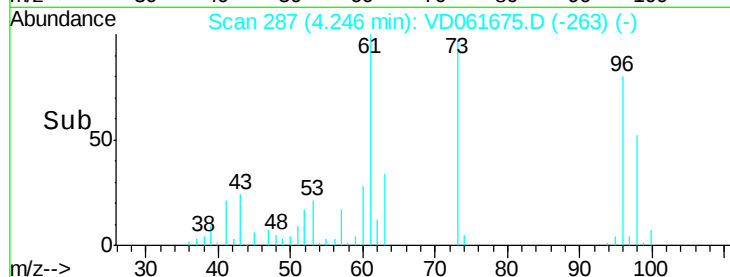
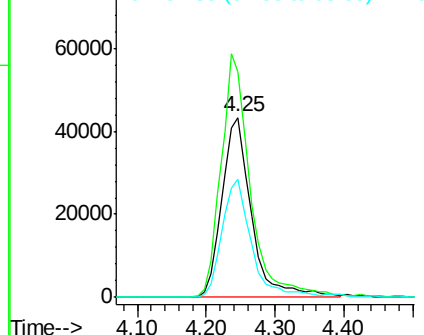
MMDadoda
4/11/2019 3:00:01 AM



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: 20.016 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Tgt Ion: 45 Resp: 361146

Ion Ratio Lower Upper

45 100

43 57.7 46.6 70.0

87 20.9 15.6 23.4

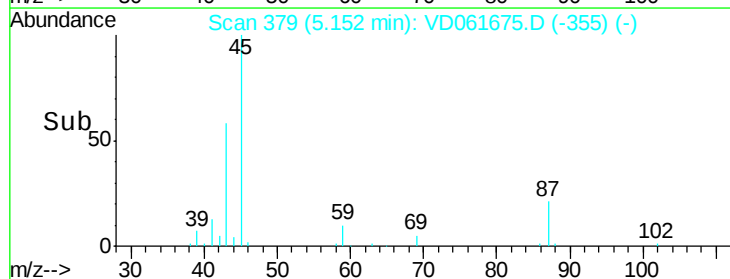
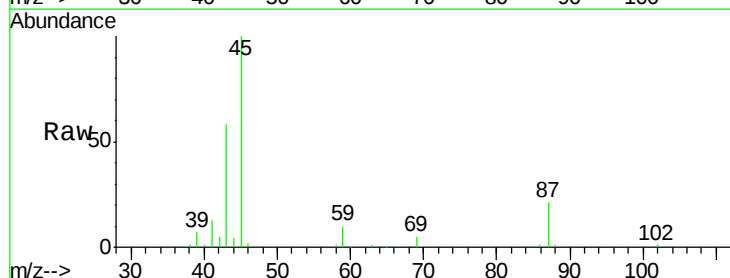
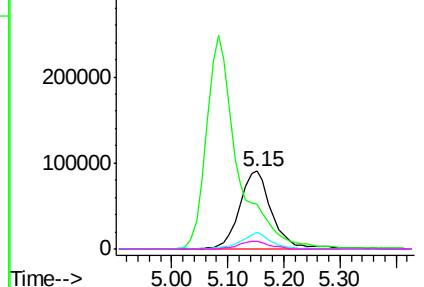
59 9.8 8.6 13.0

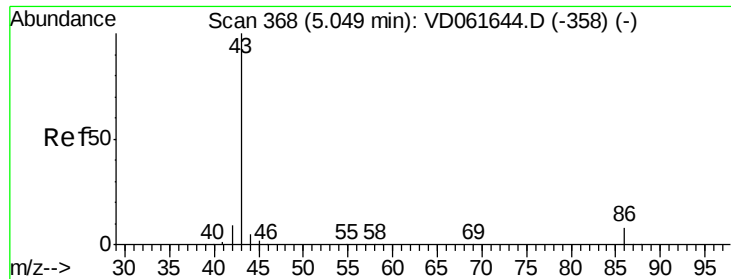
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





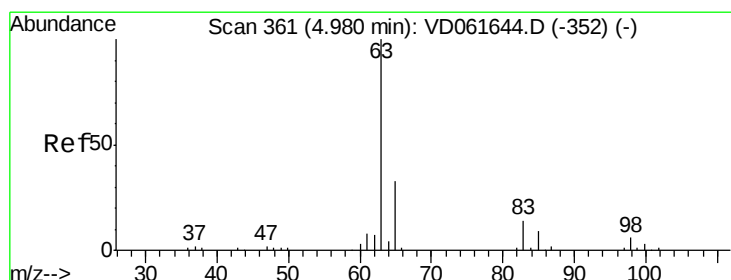
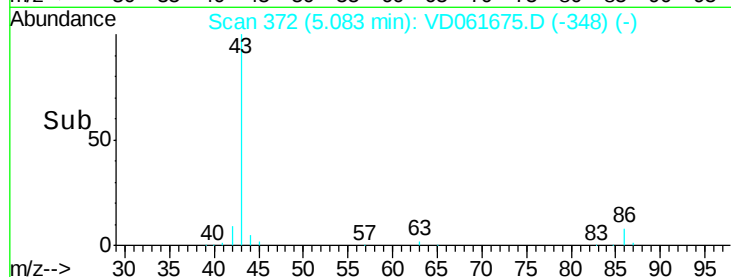
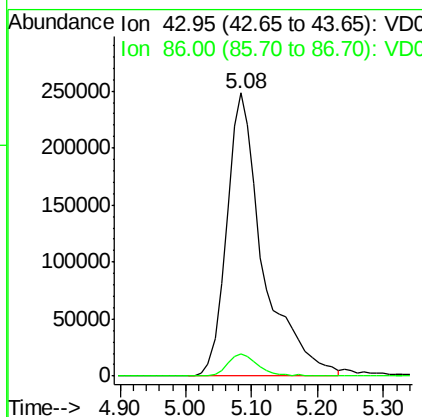
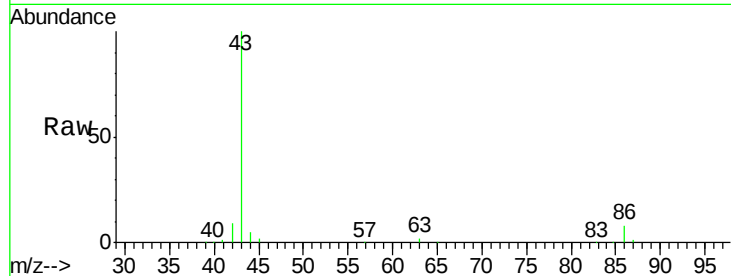
#23
 Vinyl Acetate
 Concen: 96.036 ug/l
 RT: 5.08 min Scan# 372
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD01

Tgt Ion: 43 Resp: 956085
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.4 9.6

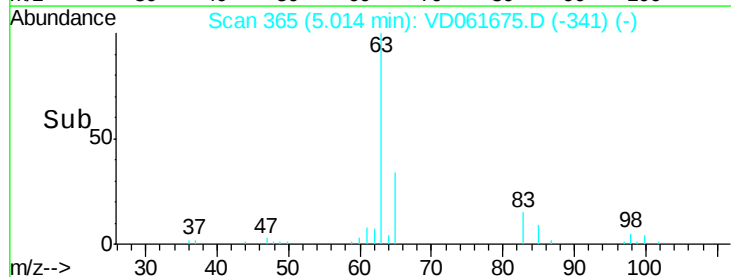
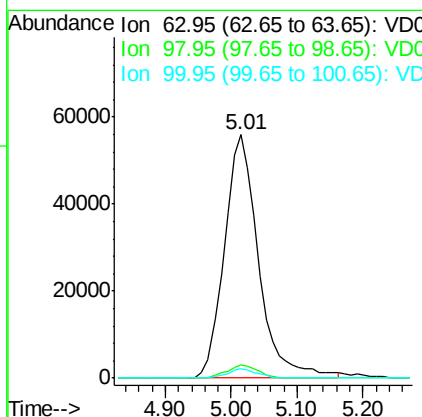
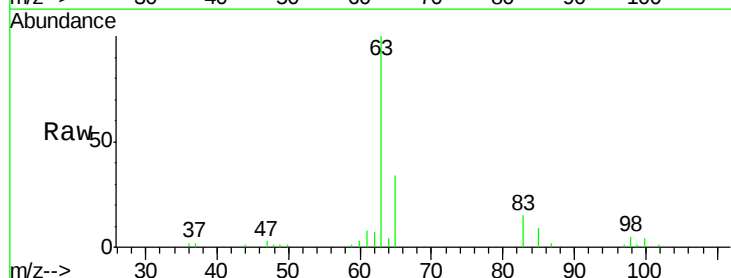
Manual Integrations
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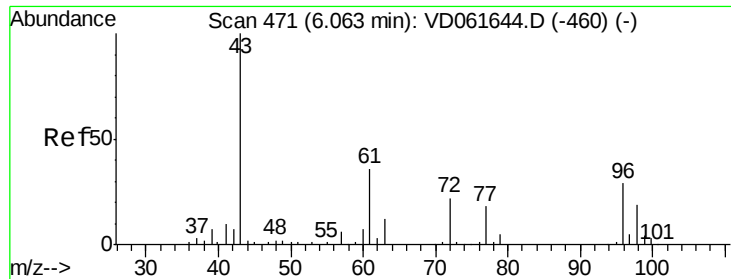
MMDadoda
 4/11/2019 3:00:01 AM



#24
 1,1-Dichloroethane
 Concen: 18.307 ug/l
 RT: 5.01 min Scan# 365
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion: 63 Resp: 202409
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.6
 100 3.7 1.7 5.1





#25

2-Butanone

Concen: 93.418 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 43 Resp: 147693

Ion Ratio Lower Upper

43 100

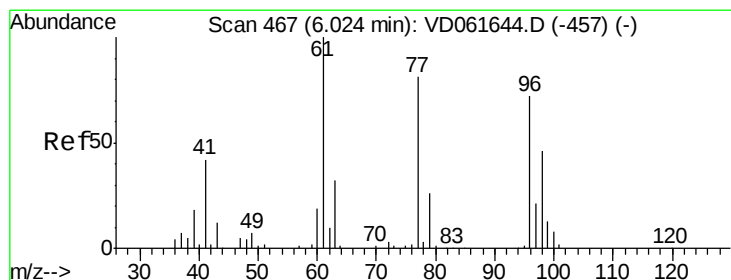
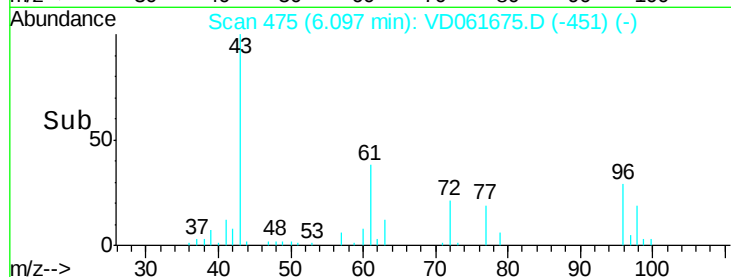
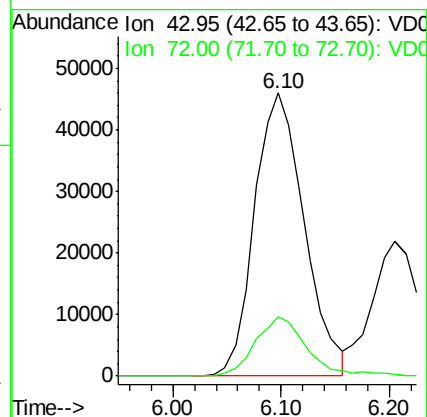
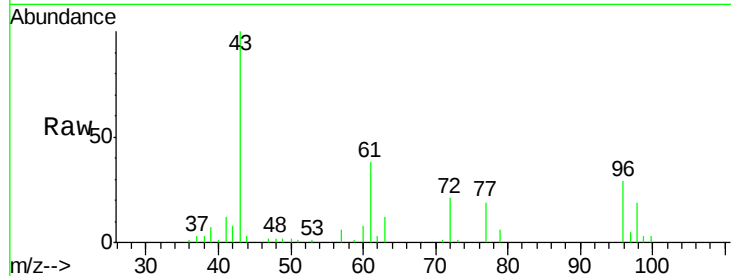
72 20.9 17.4 26.2

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4/11/2019 3:00:01 AM



#26

2,2-Dichloropropane

Concen: 19.697 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061675.D

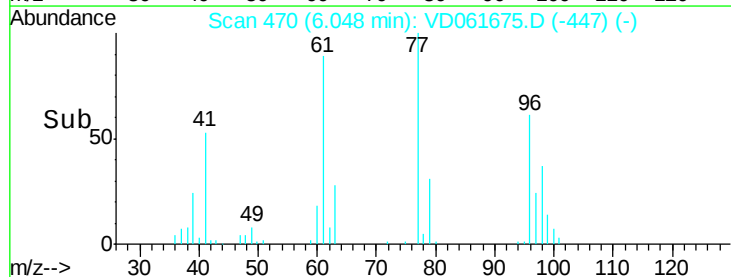
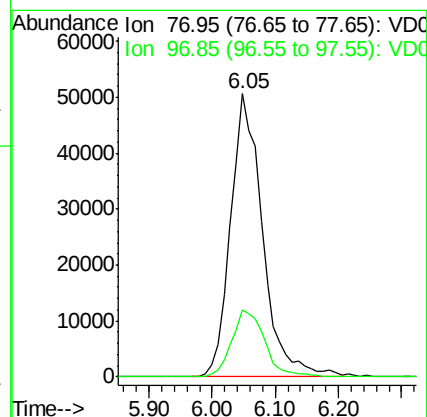
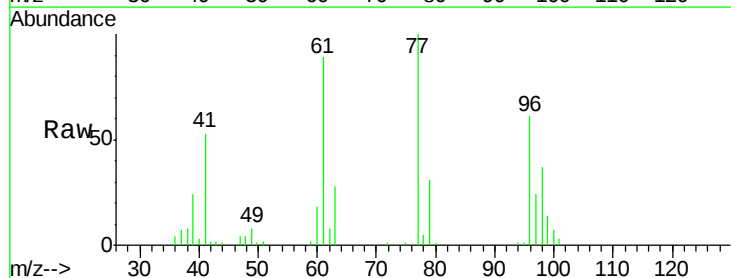
Acq: 9 Apr 2019 15:24

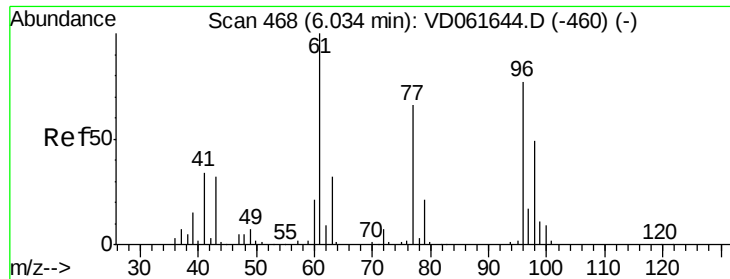
Tgt Ion: 77 Resp: 177323

Ion Ratio Lower Upper

77 100

97 23.6 12.7 38.0





#27

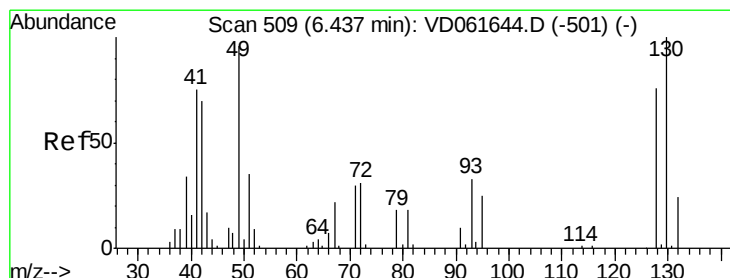
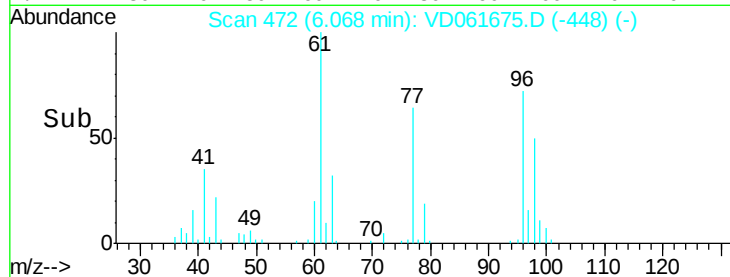
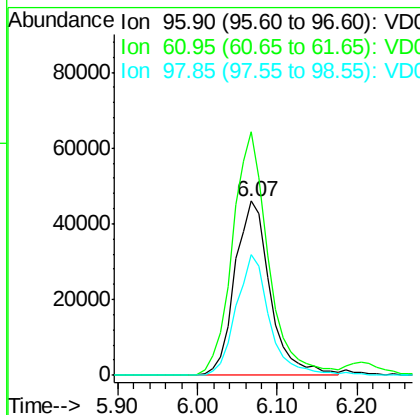
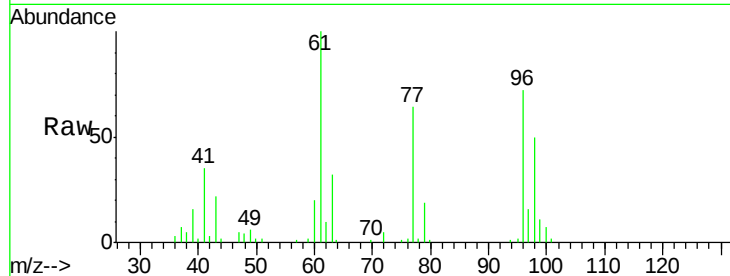
cis-1,2-Dichloroethene
Concen: 19.359 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	141531		
61	139.8	0.0	259.8	
98	69.3	0.0	127.6	

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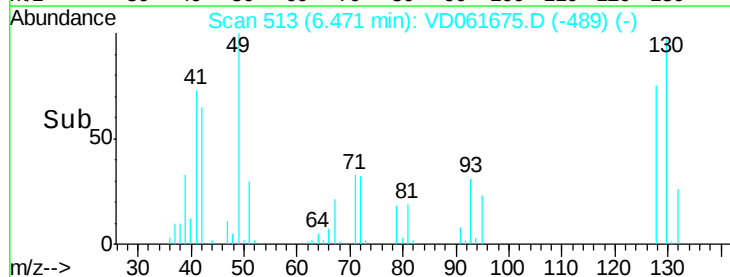
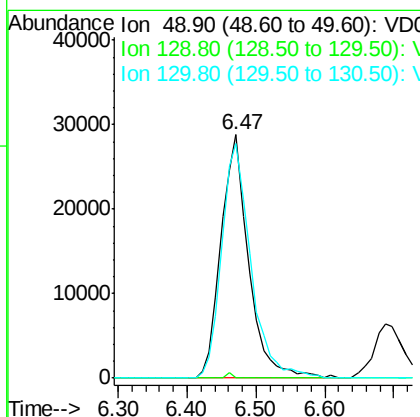
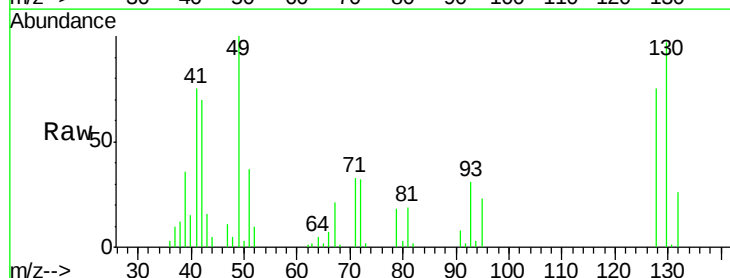
MMDadoda
4/11/2019 3:00:01 AM

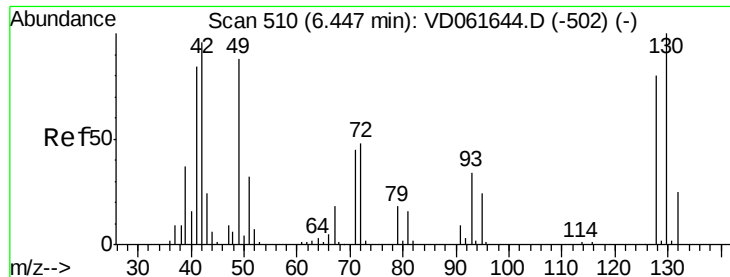


#28

Bromochloromethane
Concen: 19.645 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80122		
129	0.0	0.0	4.0	
130	96.6	83.3	124.9	





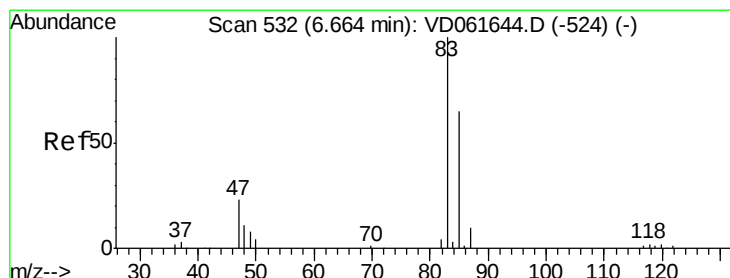
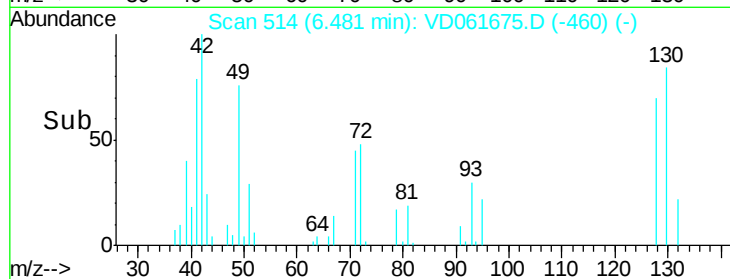
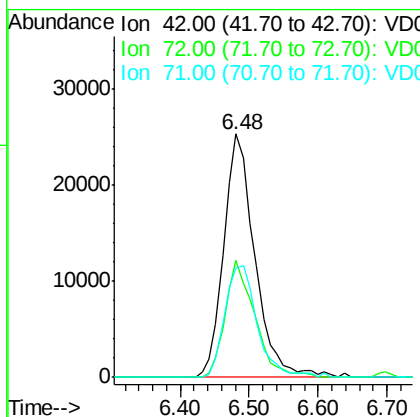
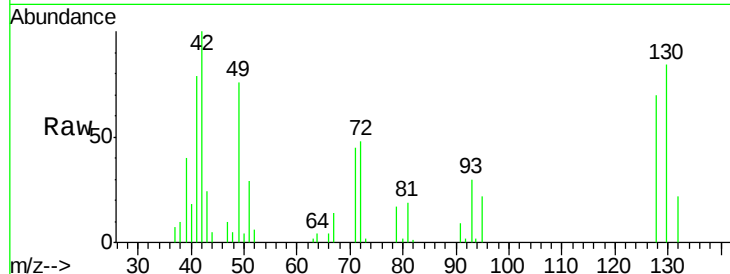
#29
Tetrahydrofuran
Concen: 103.689 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.0	55.6
71	47.9	36.5	54.7

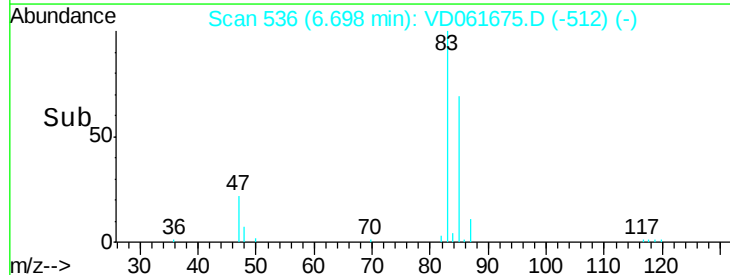
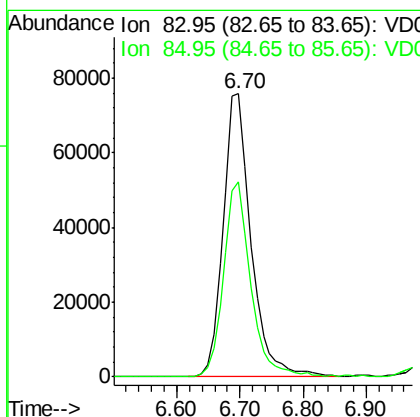
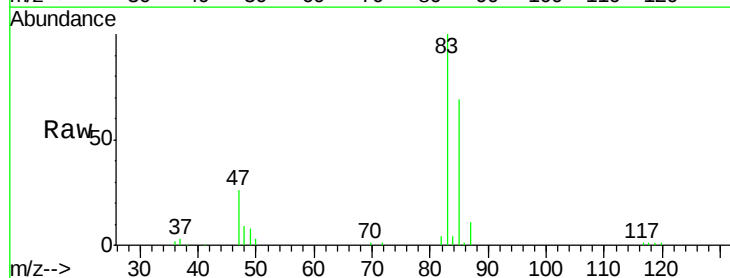
Manual Integrations
APPROVED

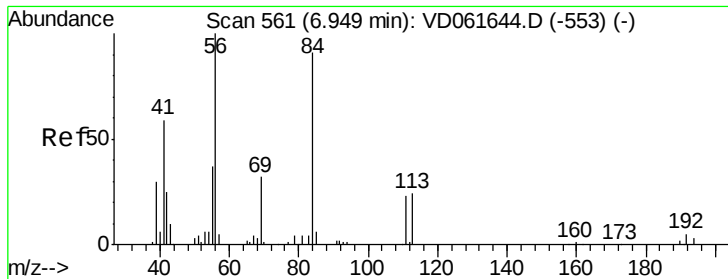
MMDadoda
4/11/2019 3:00:01 AM



#30
Chloroform
Concen: 20.027 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.9	77.9





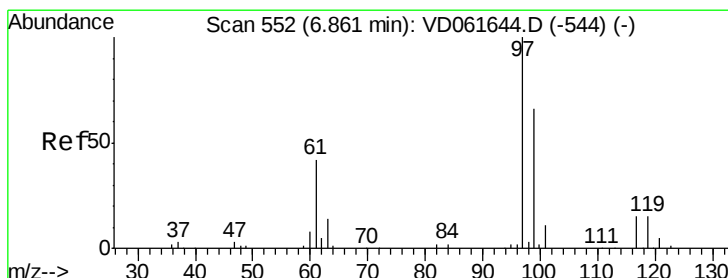
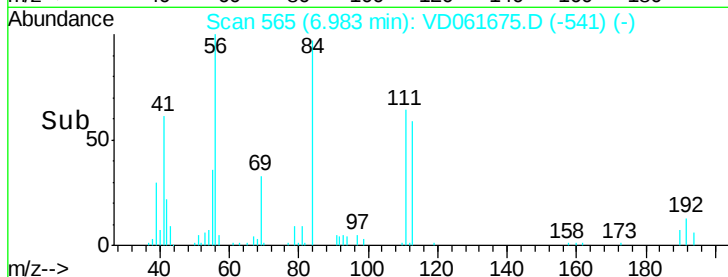
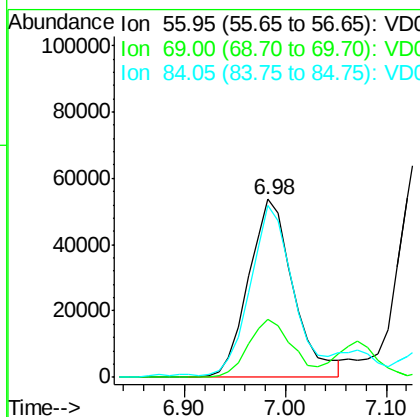
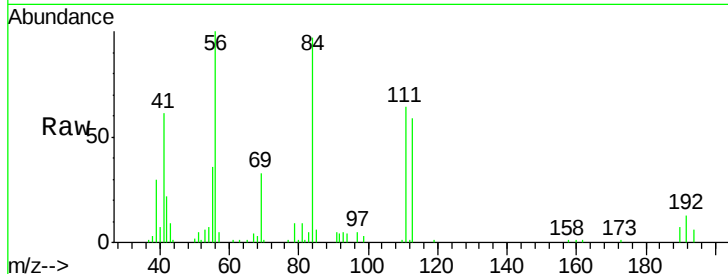
#31
Cyclohexane
Concen: 19.184 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.8	38.6
84	96.7	74.2	111.2

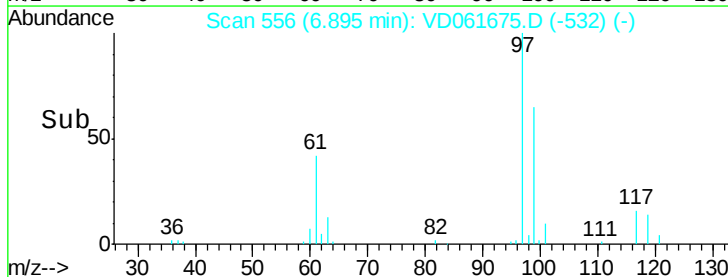
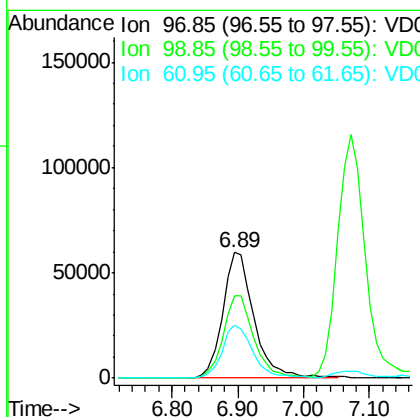
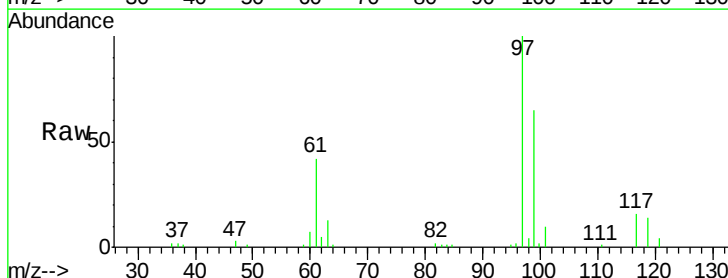
Manual Integrations
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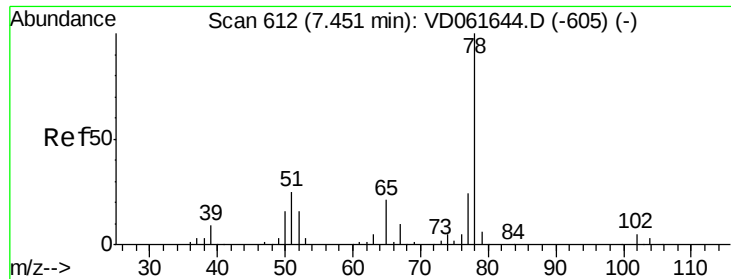
MMDadoda
4/11/2019 3:00:01 AM



#32
1,1,1-Trichloroethane
Concen: 19.351 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.5	78.7
61	41.8	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 47.423 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 65 Resp: 217561

Ion Ratio Lower Upper

65 100

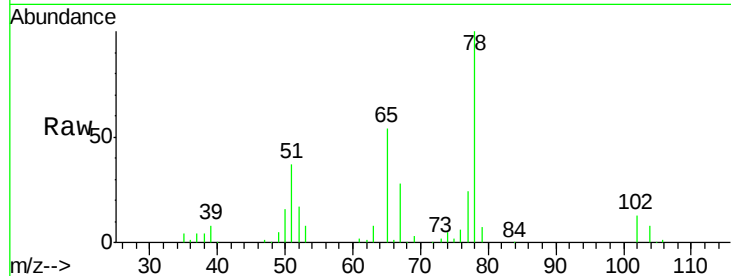
67 50.7 0.0 99.4

Manual Integrations

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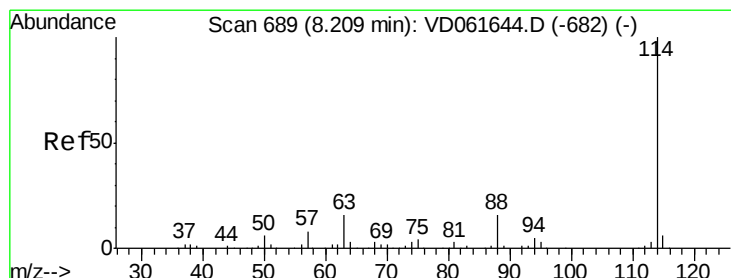
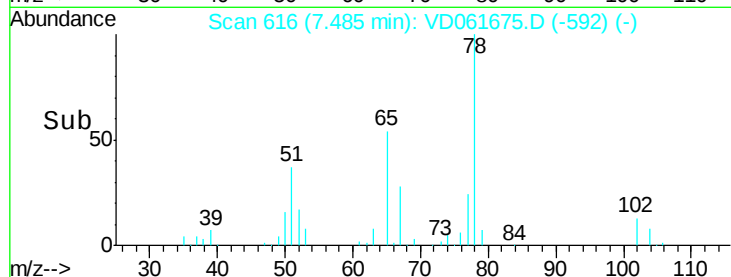
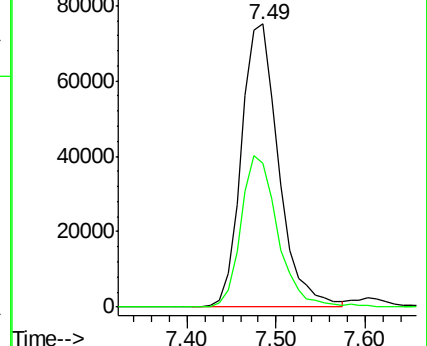
MMDadoda

4/11/2019 3:00:01 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

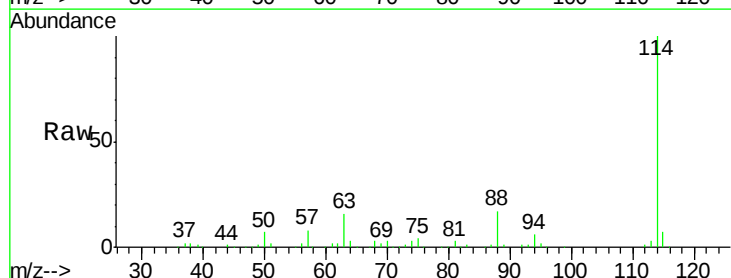
Tgt Ion: 114 Resp: 984055

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.2

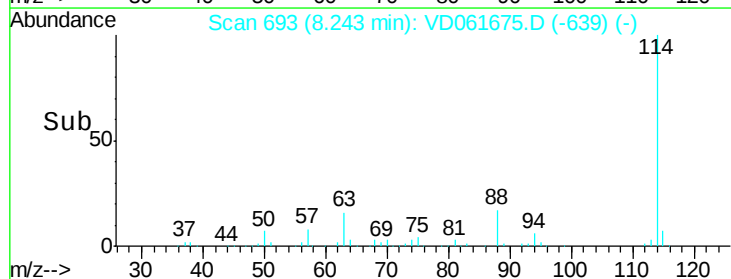
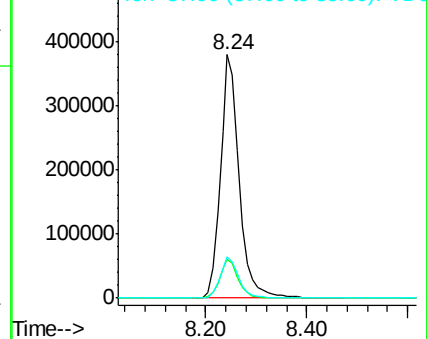
88 16.8 0.0 31.8

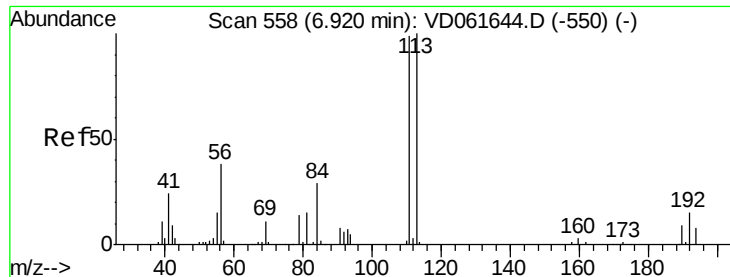


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





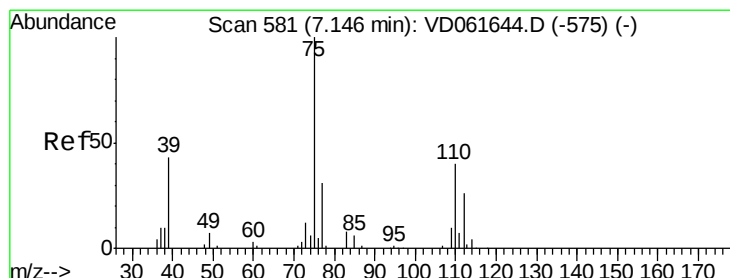
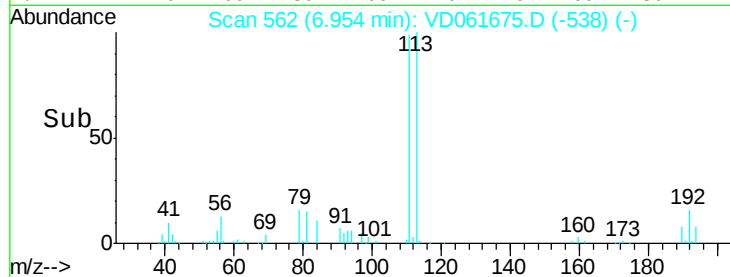
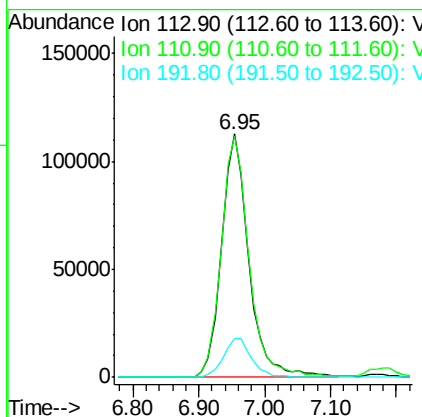
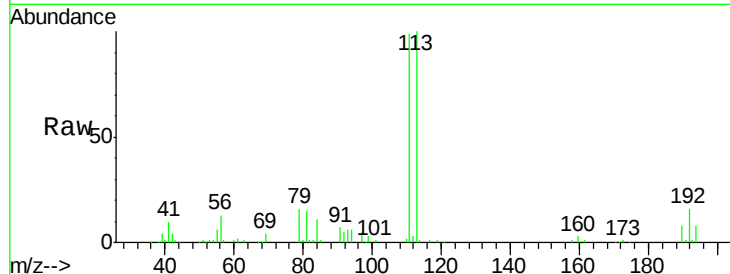
#35
 Dibromofluoromethane
 Concen: 47.852 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	326217		
111	98.8	79.3	118.9	
192	16.0	12.3	18.5	

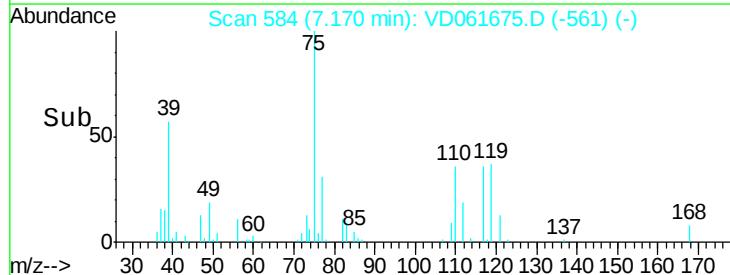
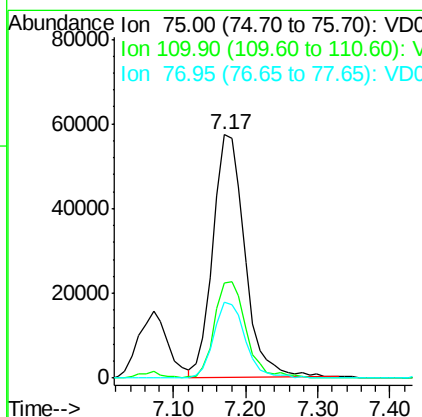
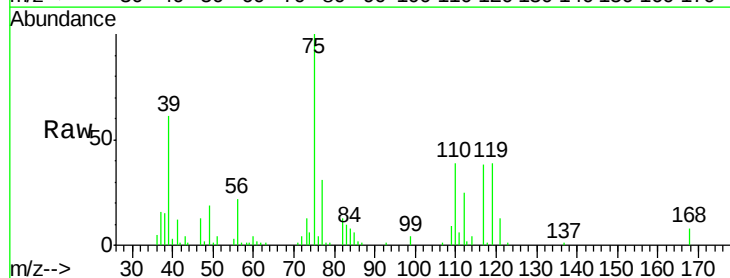
Manual Integrations
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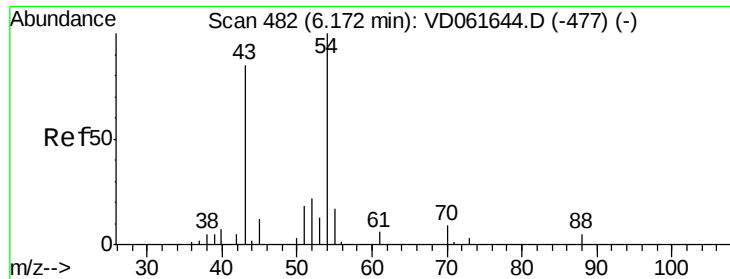
MMDadoda
 4/11/2019 3:00:01 AM



#36
 1,1-Dichloropropene
 Concen: 20.258 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174472		
110	39.1	19.7	59.0	
77	31.4	24.8	37.2	





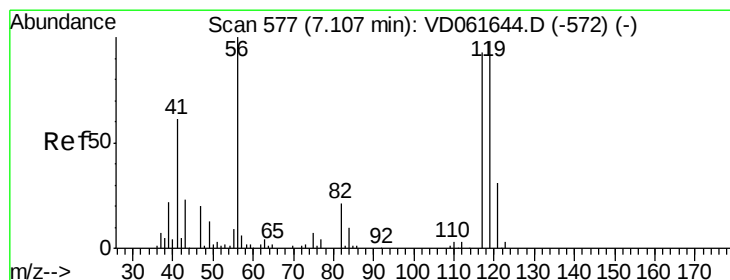
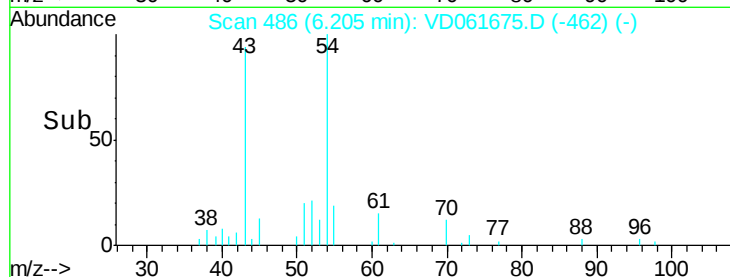
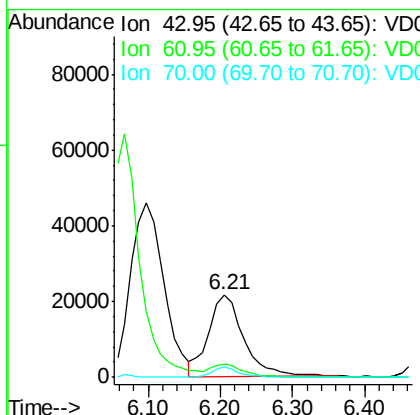
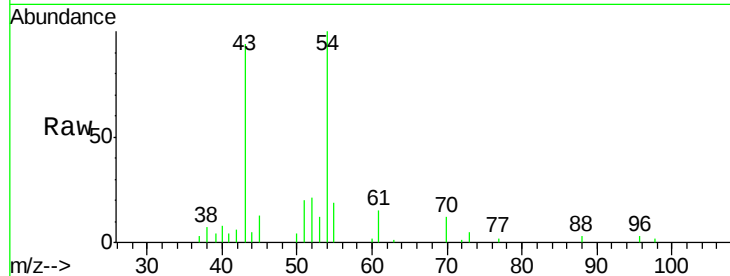
#37
Ethyl Acetate
Concen: 20.759 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleID :
VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.9	17.9
70	12.8	6.9	10.3

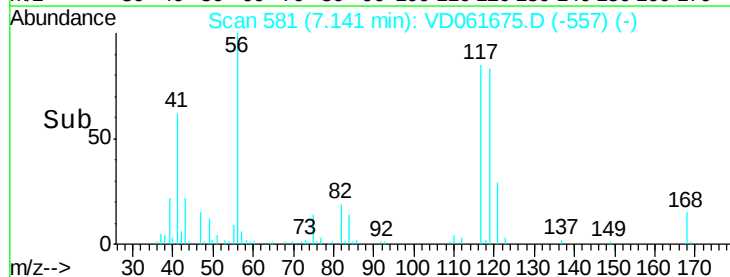
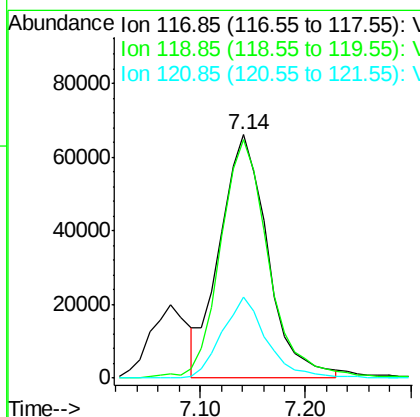
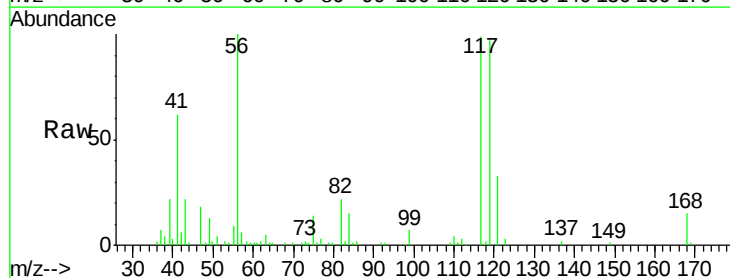
Manual Integrations
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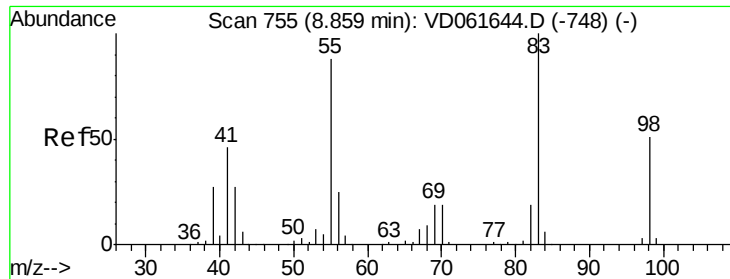
MMDadoda
4/11/2019 3:00:01 AM



#38
Carbon Tetrachloride
Concen: 20.611 ug/l m
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.9	116.9
121	33.2	24.7	37.1





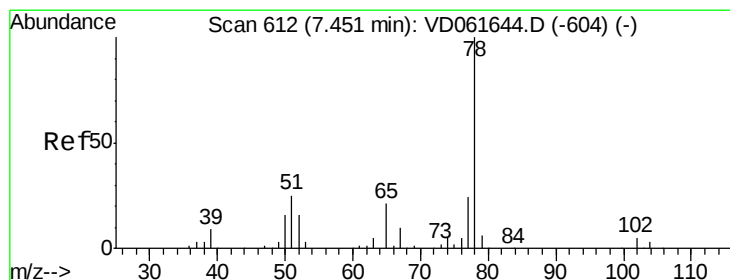
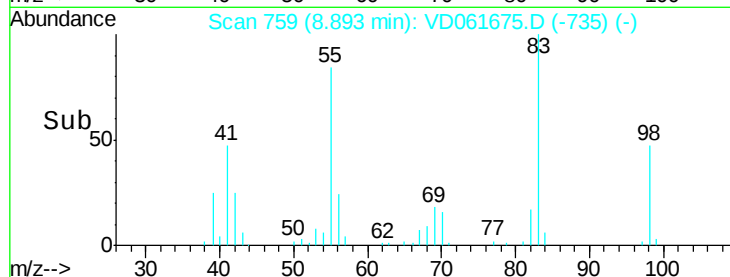
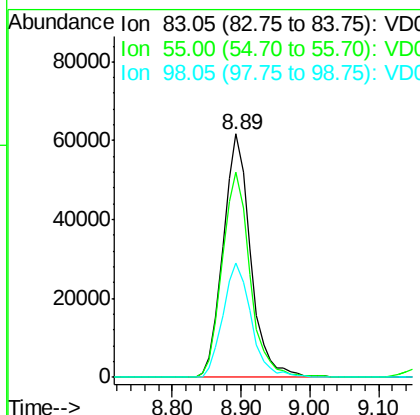
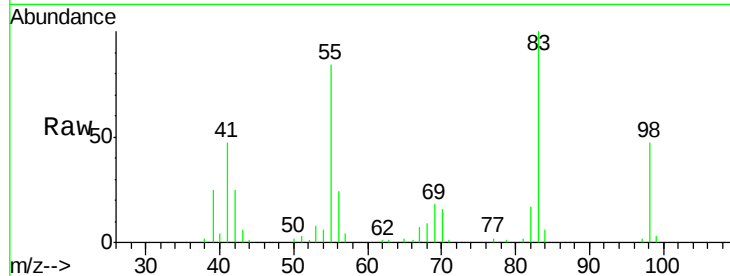
#39
Methylcyclohexane
Concen: 19.226 ug/l
RT: 8.89 min Scan# 759
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.0	70.3	105.5
98	46.7	41.0	61.6

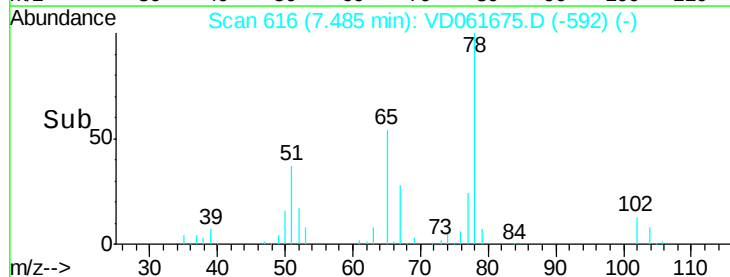
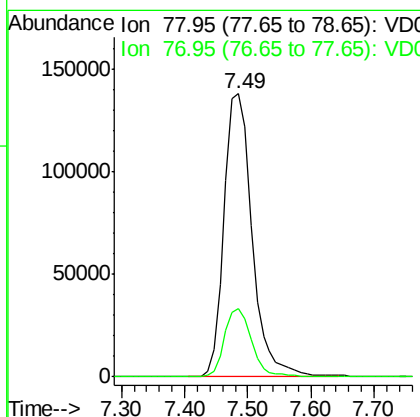
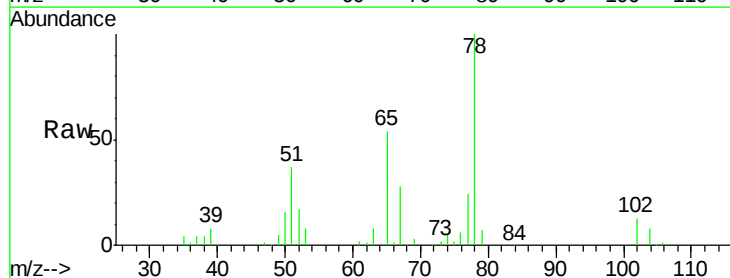
Manual Integrations
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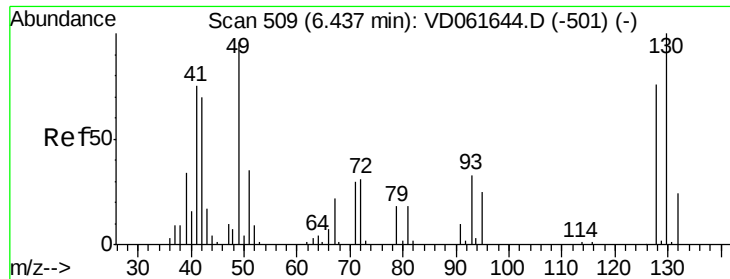
MMDadoda
4/11/2019 3:00:01 AM



#40
Benzene
Concen: 20.586 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





#41

Methacrylonitrile

Concen: 21.117 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 41 Resp: 86473

Ion Ratio Lower Upper

41 100

39 48.7 36.2 54.2

67 27.9 23.2 34.8

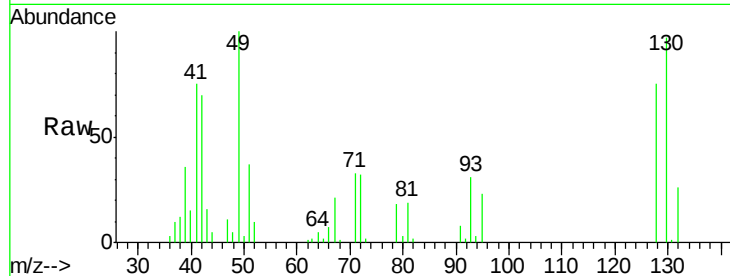
52 13.1 10.0 15.0

Manual Integrations

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4/11/2019 3:00:01 AM

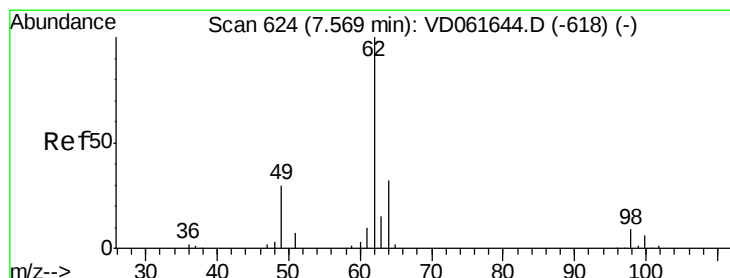
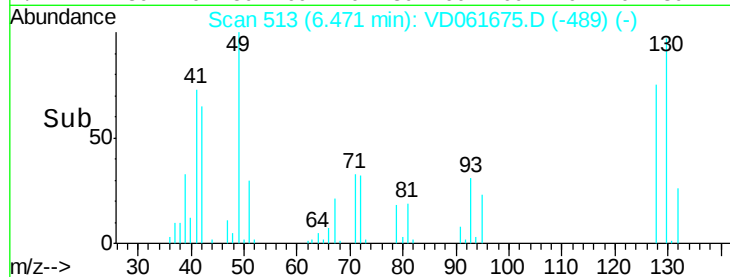
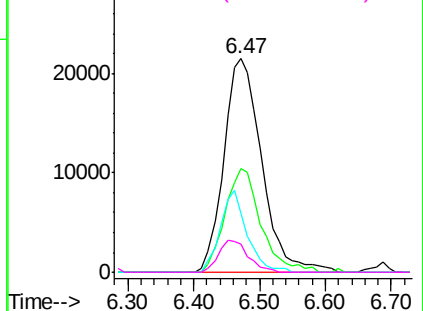


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.710 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.03 min

Lab File: VD061675.D

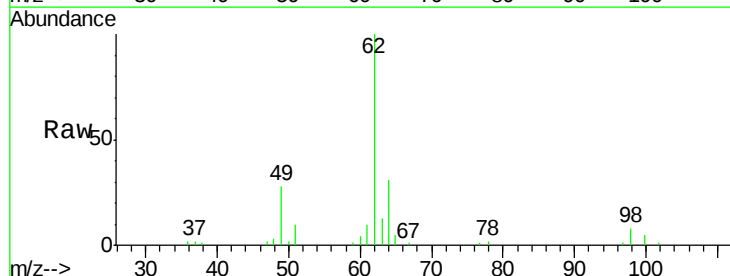
Acq: 9 Apr 2019 15:24

Tgt Ion: 62 Resp: 141856

Ion Ratio Lower Upper

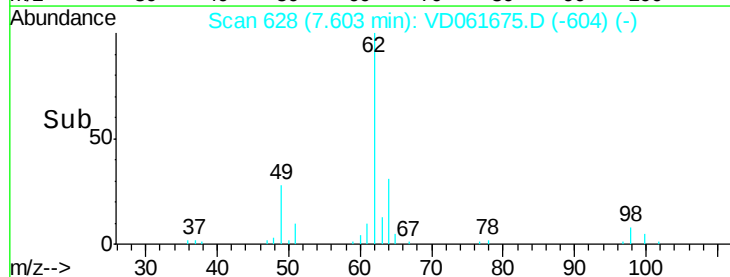
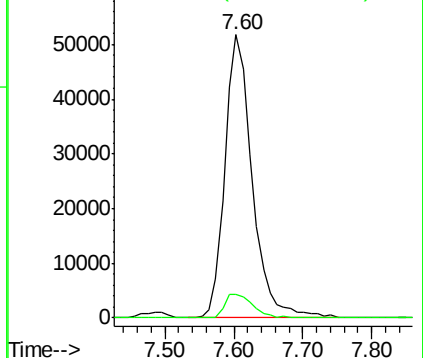
62 100

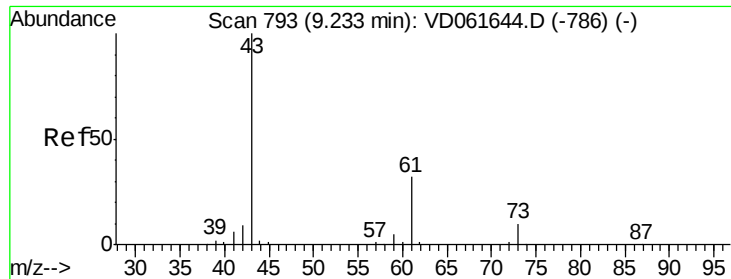
98 8.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

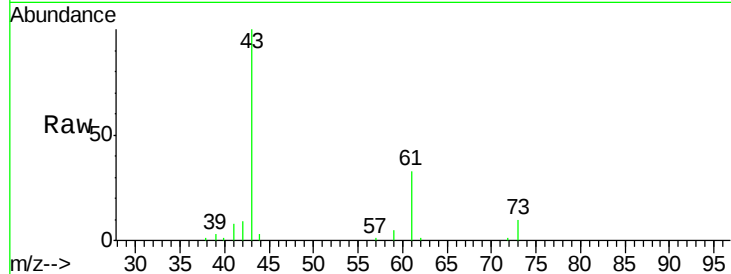
Isopropyl Acetate
 Concen: 20.263 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

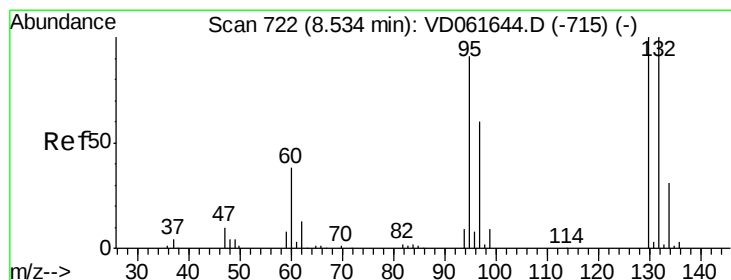
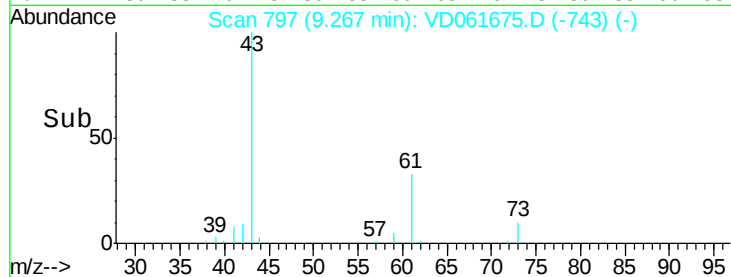
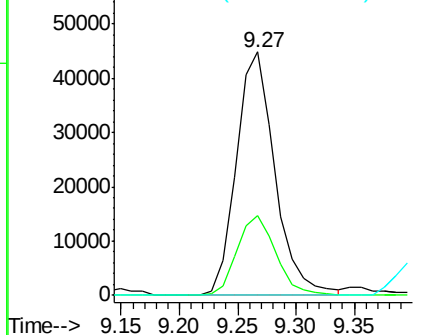
Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.9	38.9
87	0.0	0.2	0.4

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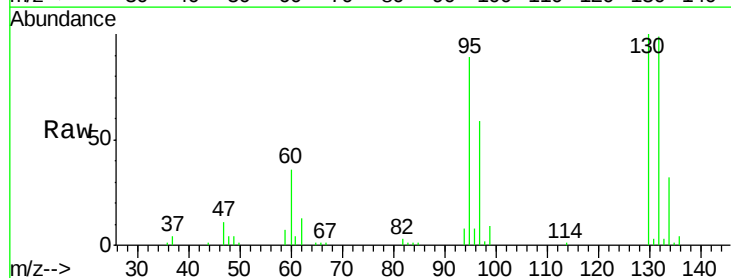
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



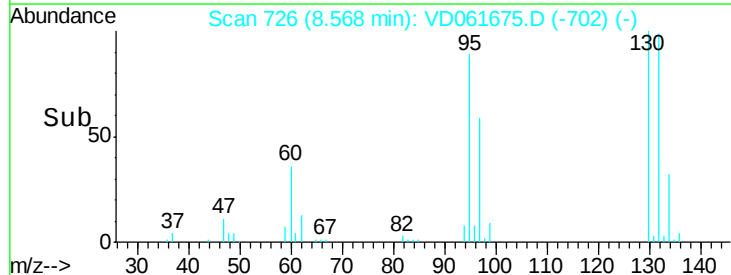
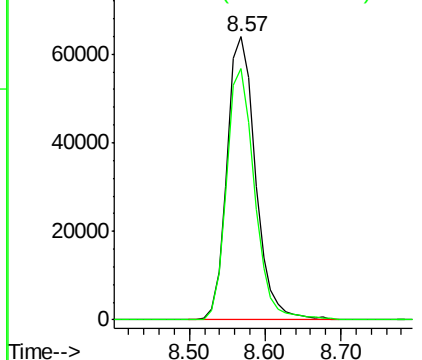
#44

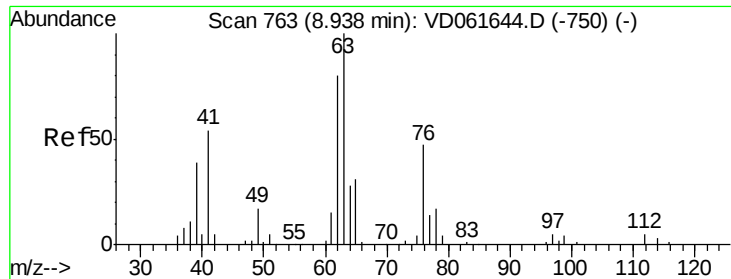
Trichloroethene
 Concen: 20.914 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	181.8



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





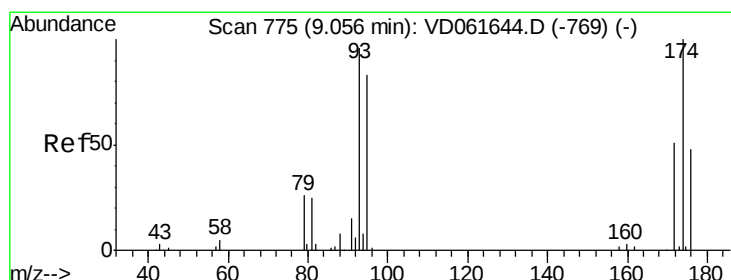
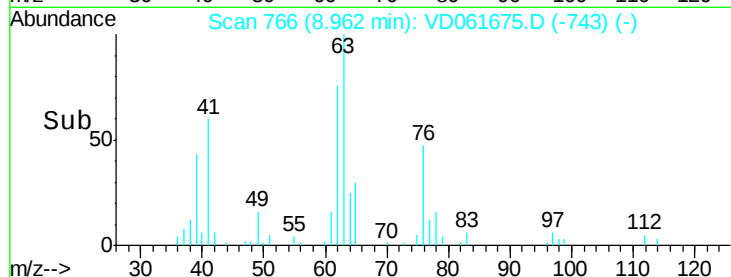
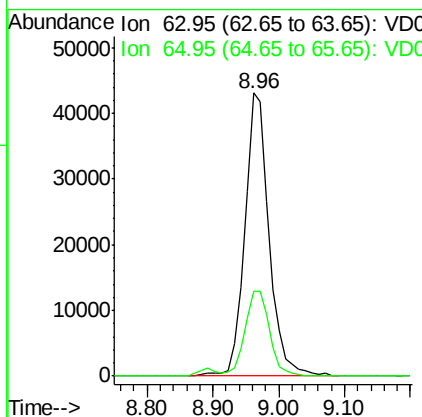
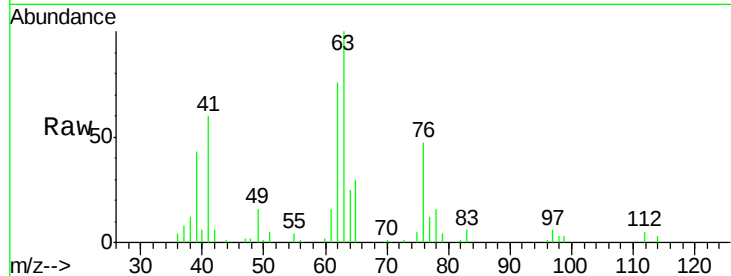
#45
 1,2-Dichloropropane
 Concen: 21.553 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion: 63 Resp: 111053
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.5 36.7

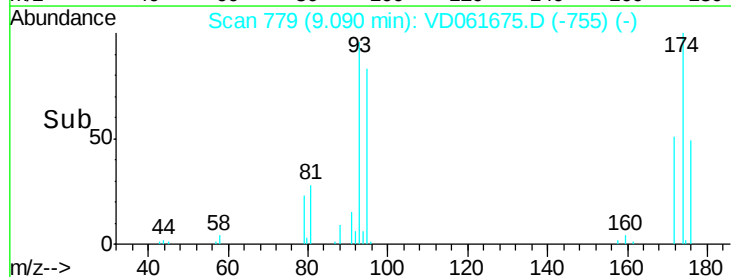
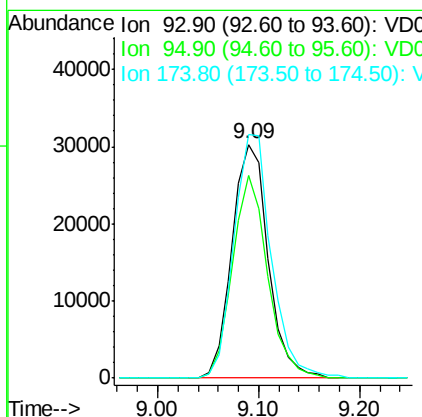
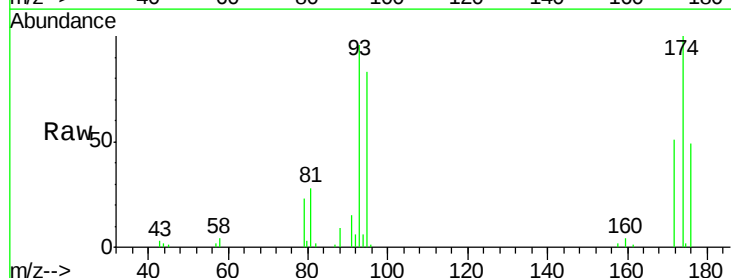
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#46
 Dibromomethane
 Concen: 20.565 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion: 93 Resp: 75731
 Ion Ratio Lower Upper
 93 100
 95 86.8 68.6 103.0
 174 104.3 83.0 124.4





#47

Bromodichloromethane

Concen: 20.930 ug/l

RT: 9.40 min Scan# 811

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

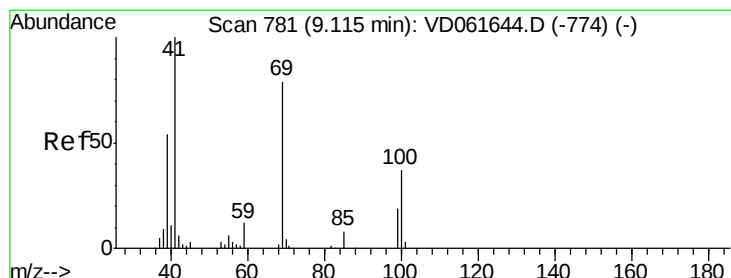
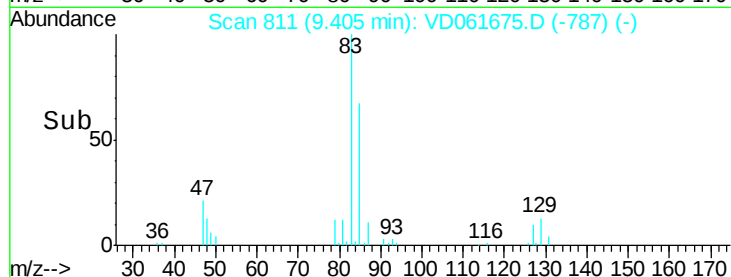
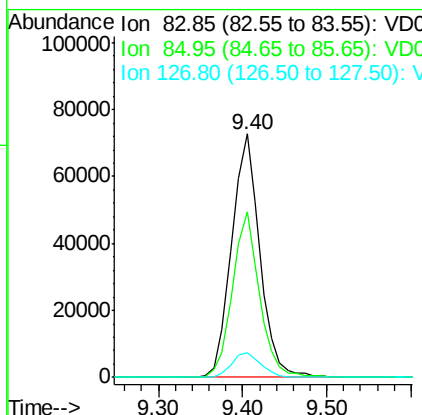
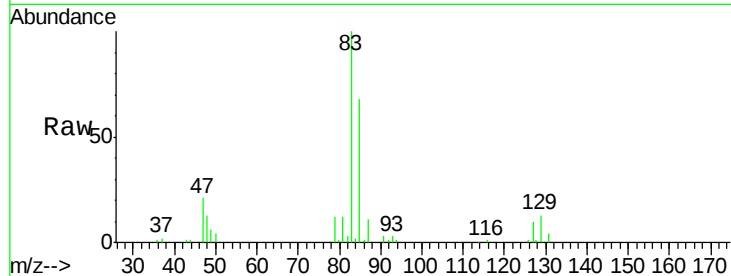
ClientSampleId :

VD0409SBS01

Tgt Ion:	83	Resp:	169280
Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.8	77.6
127	10.1	9.0	13.6

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#48

Methyl methacrylate

Concen: 20.681 ug/l

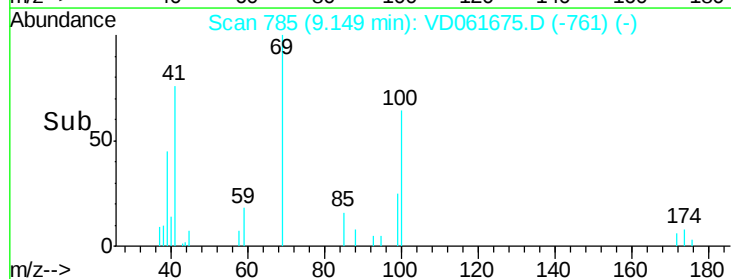
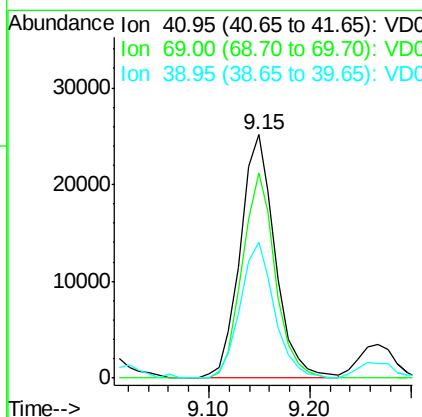
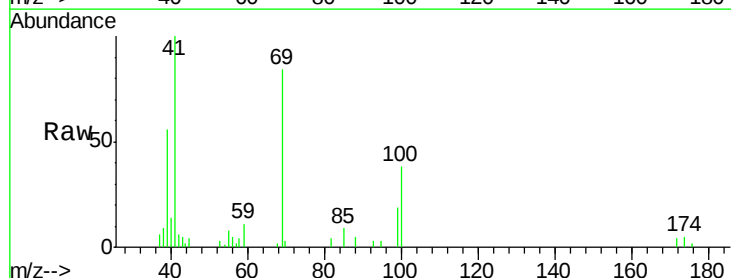
RT: 9.15 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Tgt Ion:	41	Resp:	60691
Ion	Ratio	Lower	Upper
41	100		
69	84.4	63.1	94.7
39	56.1	43.8	65.8





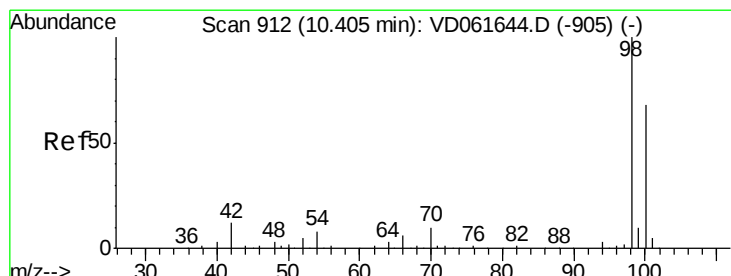
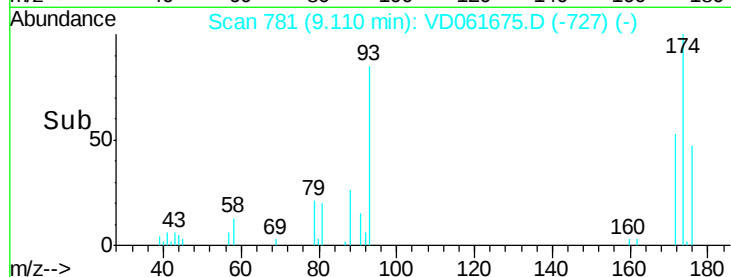
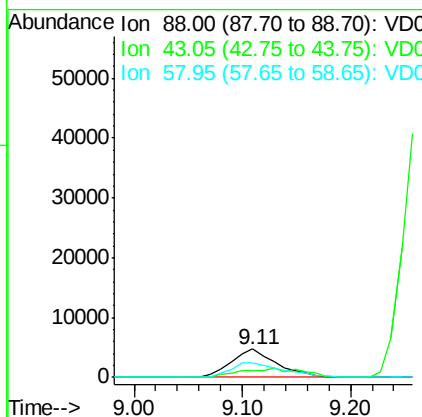
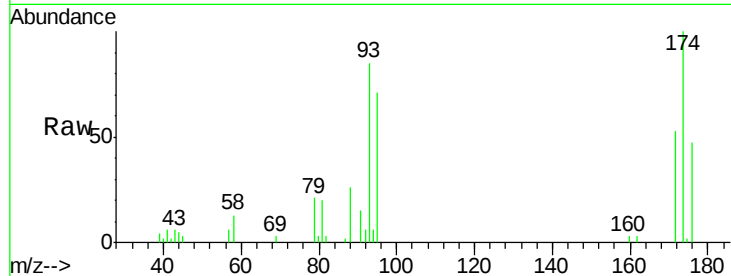
#49
1,4-Dioxane
Concen: 416.675 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.8	21.8	32.8
58	49.5	40.2	60.2

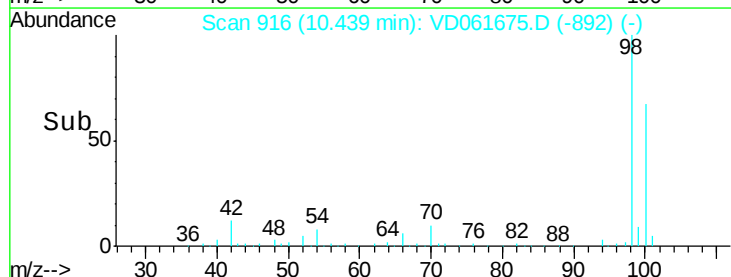
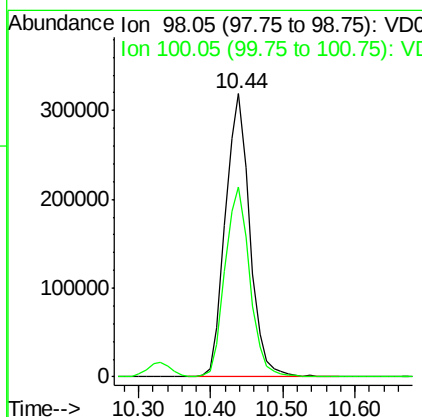
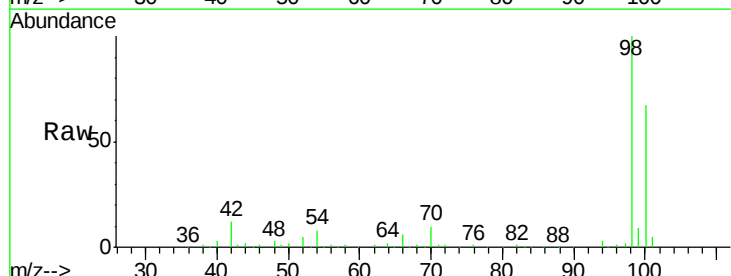
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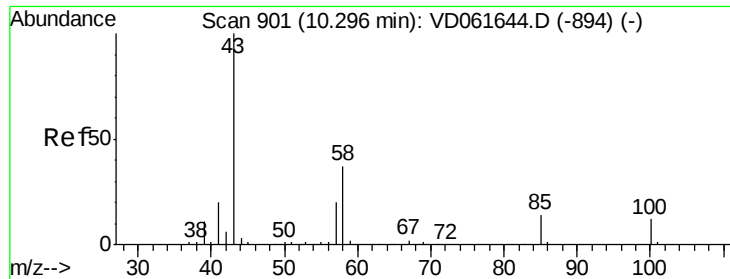
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#50
Toluene-d8
Concen: 43.713 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	55.4	83.0





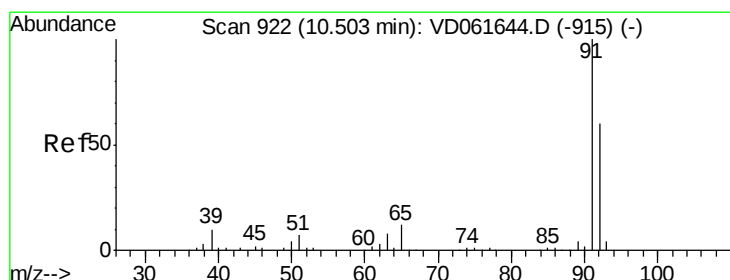
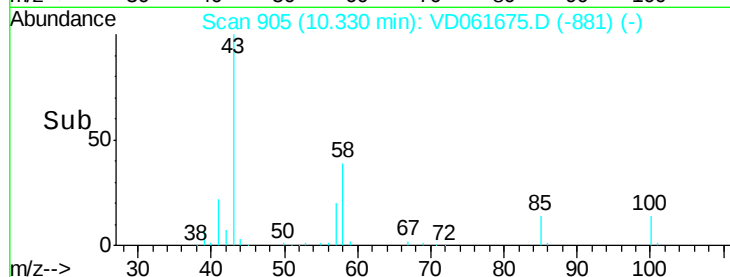
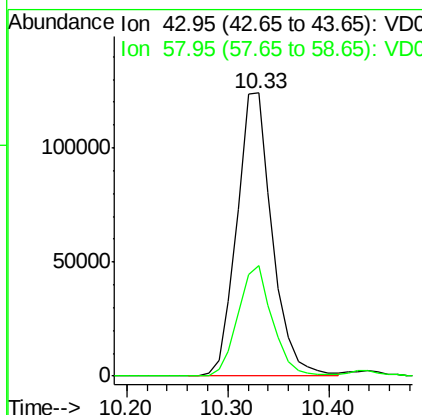
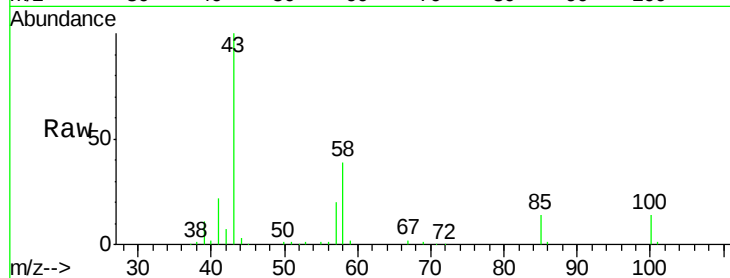
#51
4-Methyl-2-Pentanone
Concen: 100.622 ug/l
RT: 10.33 min Scan# 905
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 43 Resp: 302952
Ion Ratio Lower Upper
43 100
58 39.0 29.8 44.8

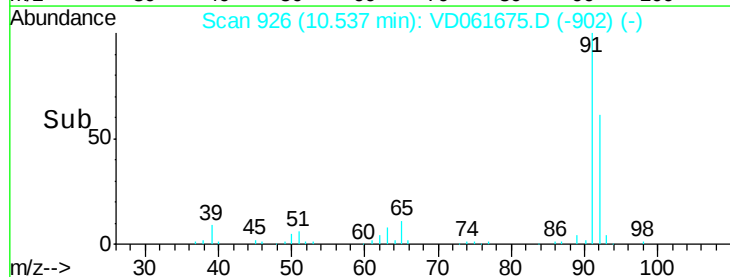
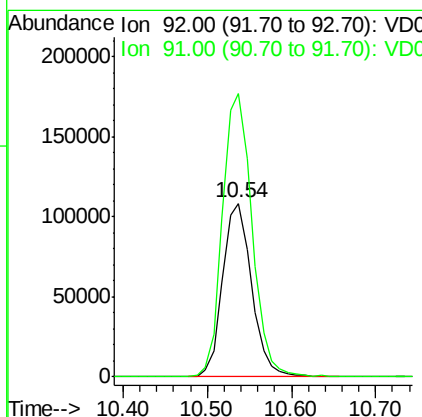
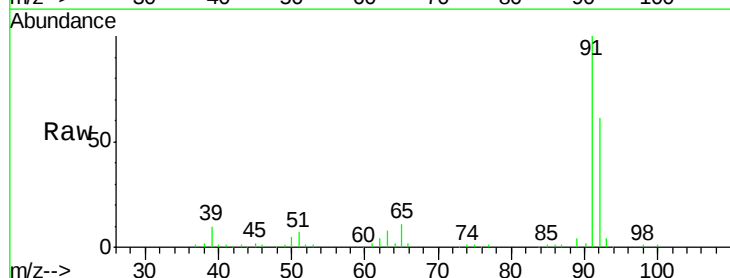
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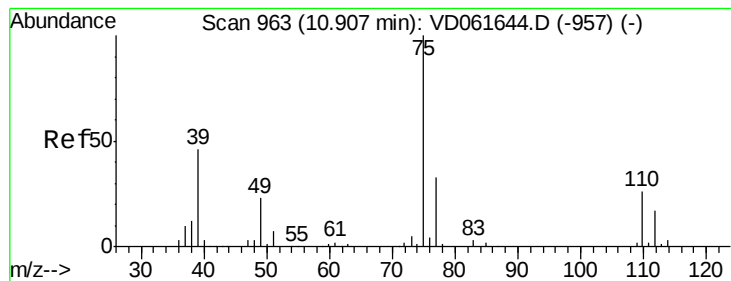
MMDadoda
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#52
Toluene
Concen: 20.001 ug/l
RT: 10.54 min Scan# 926
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 92 Resp: 259490
Ion Ratio Lower Upper
92 100
91 163.2 133.0 199.4





#53

t-1,3-Dichloropropene

Concen: 22.883 ug/l

RT: 10.94 min Scan# 967

Delta R.T. 0.03 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 75 Resp: 162235

Ion Ratio Lower Upper

75 100

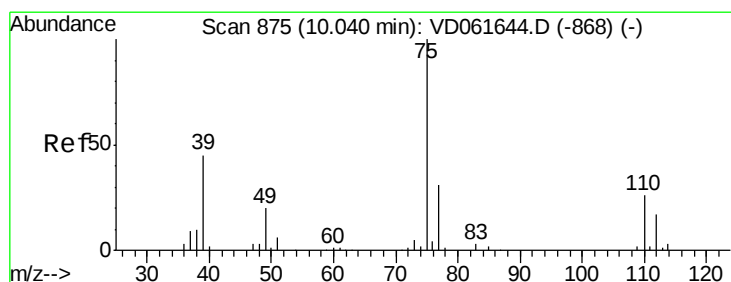
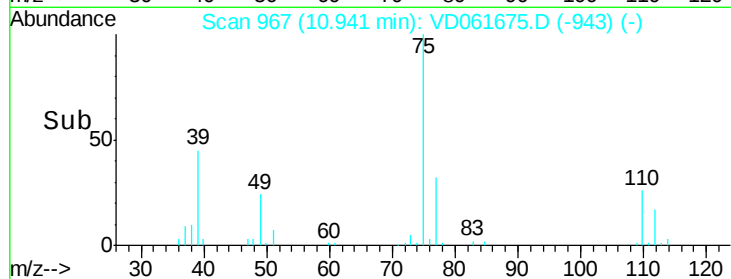
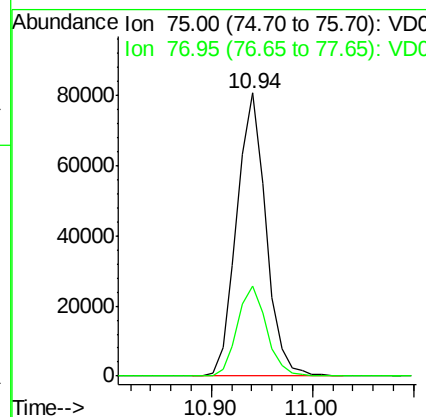
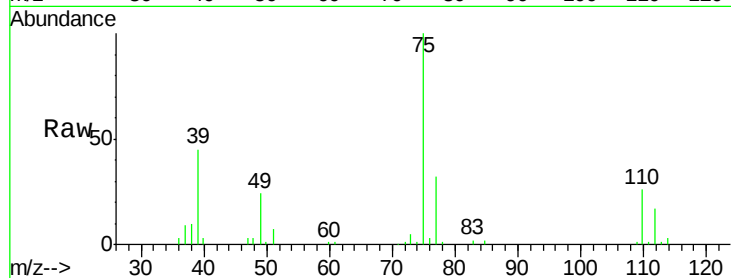
77 32.0 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 20.916 ug/l

RT: 10.06 min Scan# 878

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

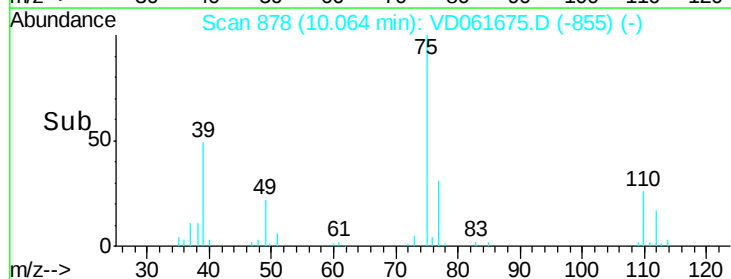
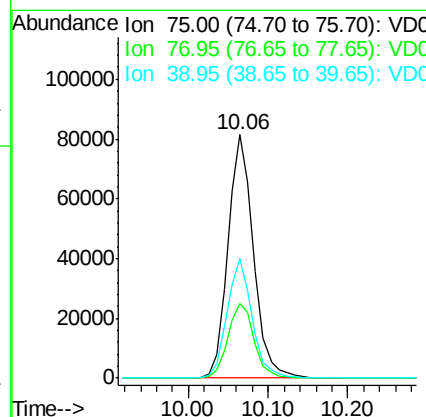
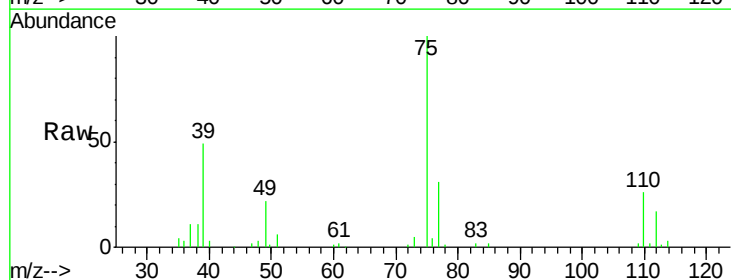
Tgt Ion: 75 Resp: 182797

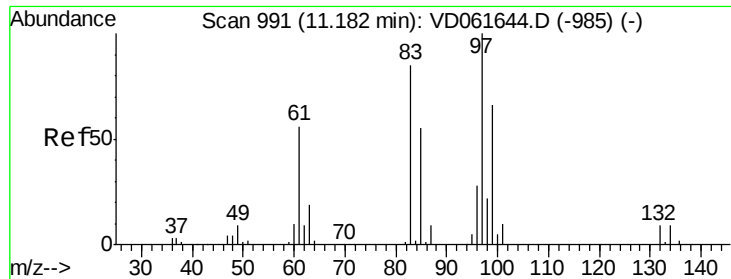
Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 49.0 36.2 54.2





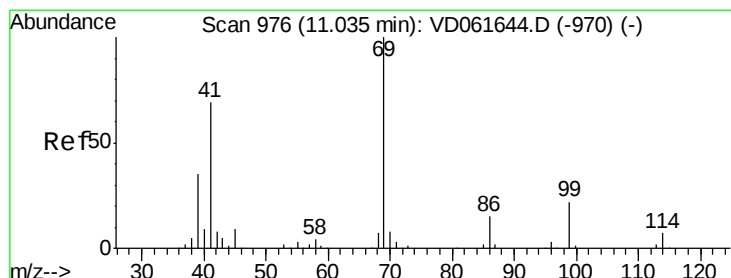
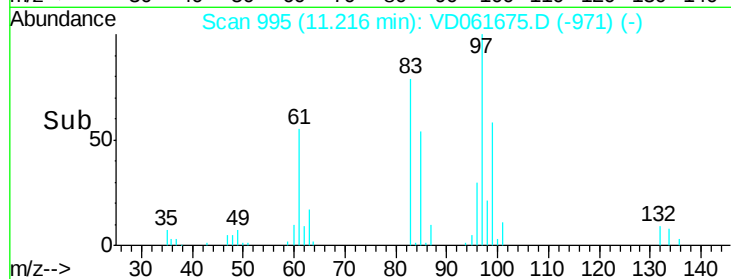
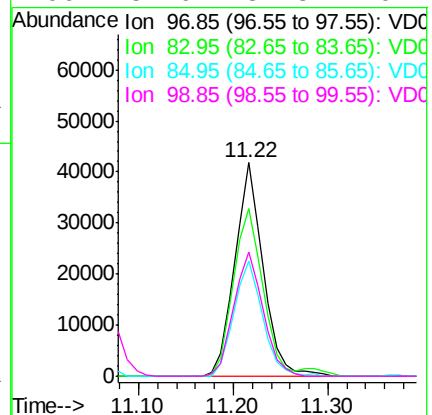
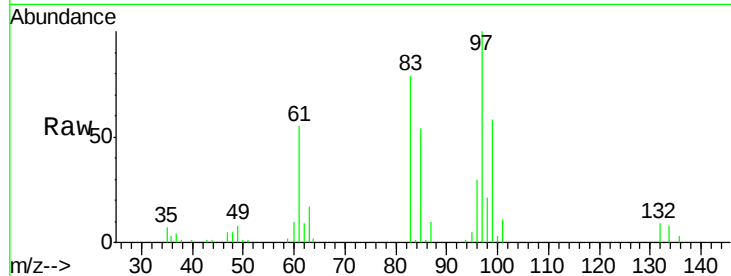
#55
 1,1,2-Trichloroethane
 Concen: 19.826 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.6	67.8	101.6
85	53.9	43.8	65.8
99	57.9	52.8	79.2

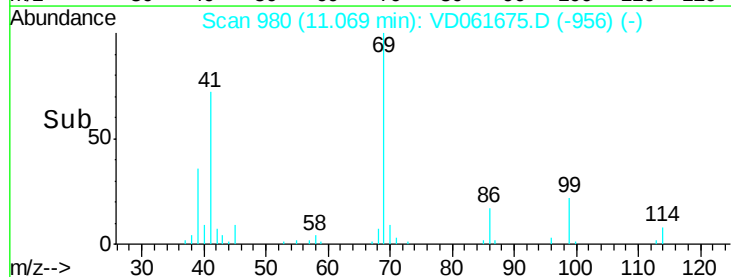
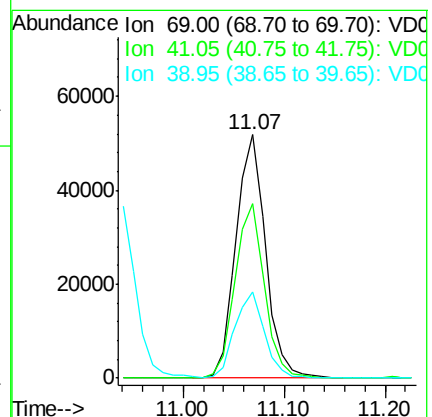
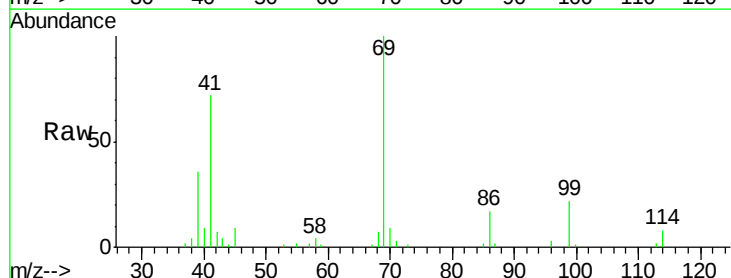
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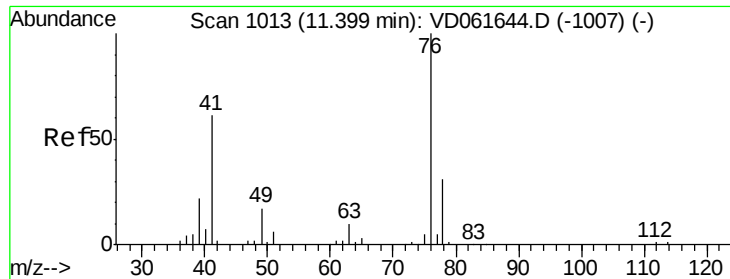
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#56
 Ethyl methacrylate
 Concen: 22.902 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	55.2	82.8
39	35.5	28.6	43.0





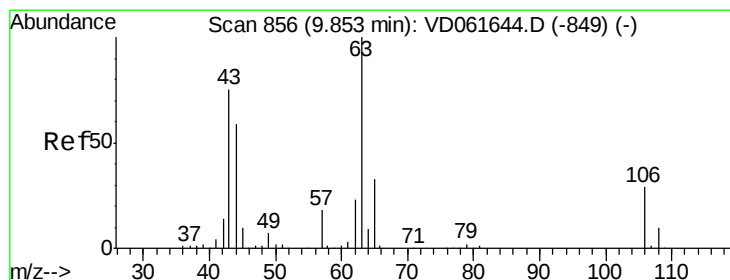
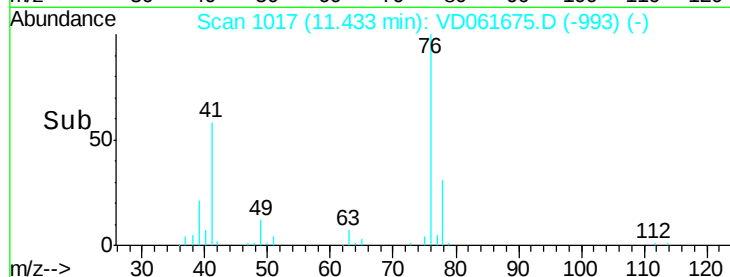
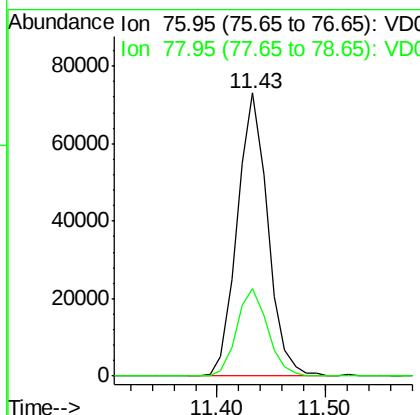
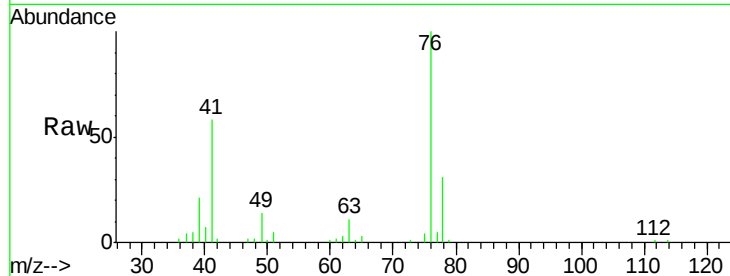
#57
 1,3-Dichloropropane
 Concen: 22.292 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion: 76 Resp: 142847
 Ion Ratio Lower Upper
 76 100
 78 30.8 24.5 36.7

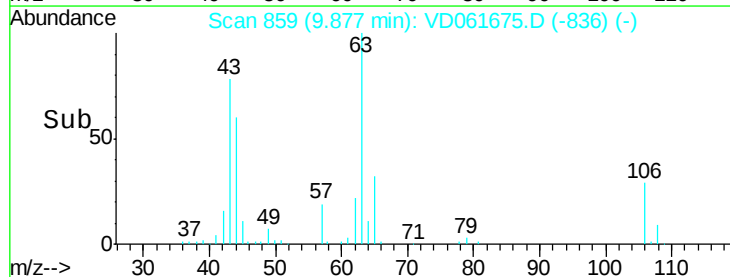
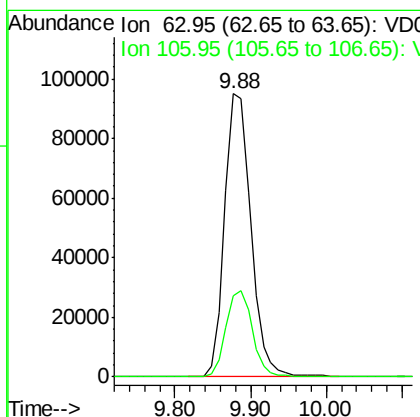
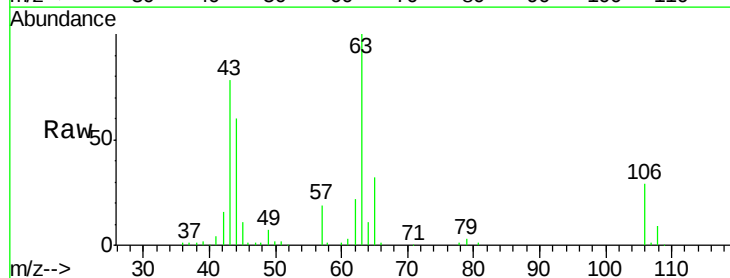
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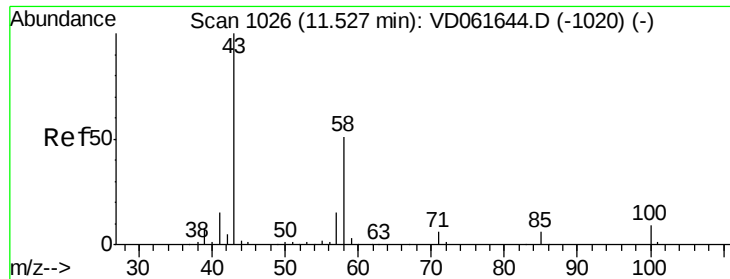
MMDadoda
 4/11/2019 3:00:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.074 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion: 63 Resp: 228862
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.6





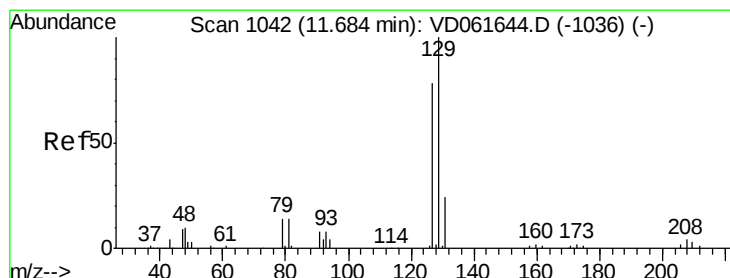
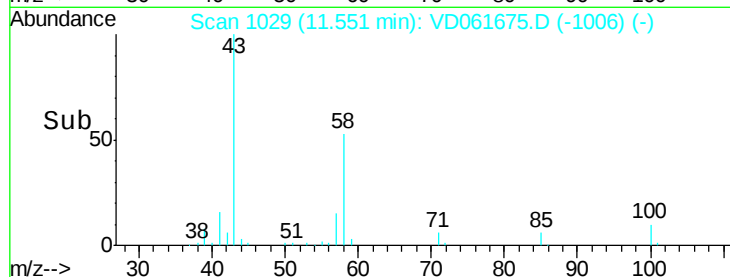
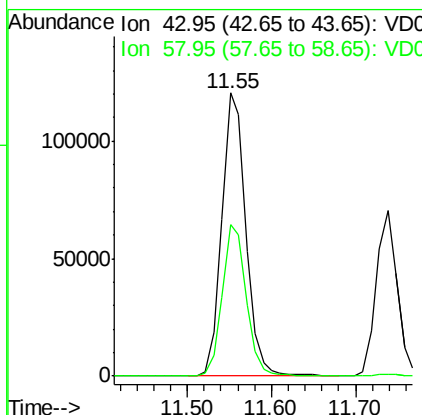
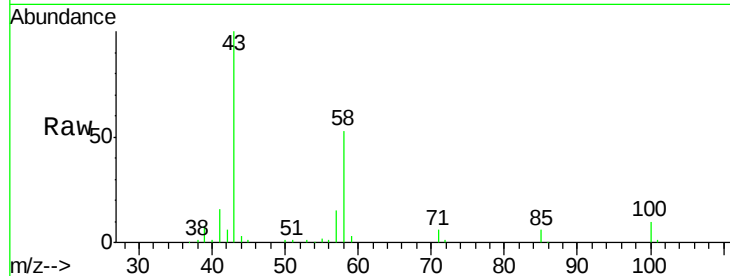
#59
2-Hexanone
Concen: 101.968 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 43 Resp: 238261
Ion Ratio Lower Upper
43 100
58 53.4 25.6 76.8

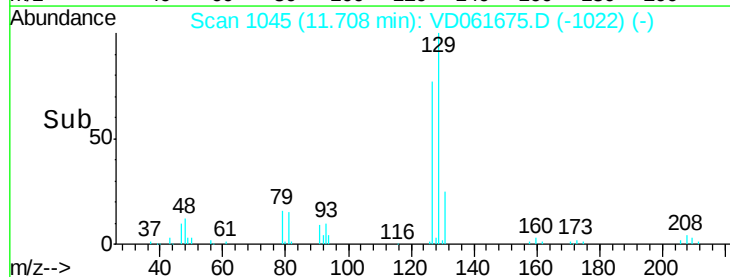
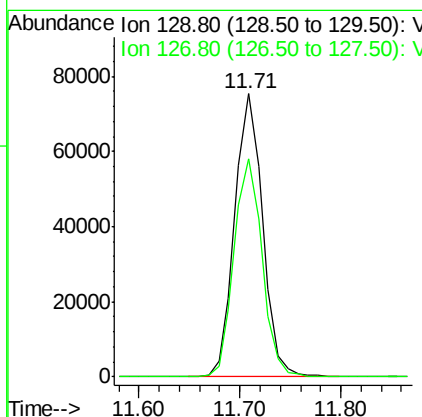
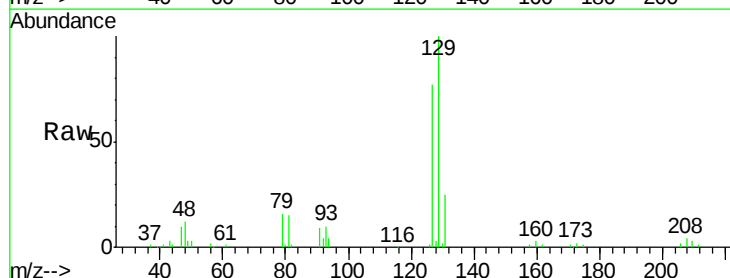
Manual Integrations
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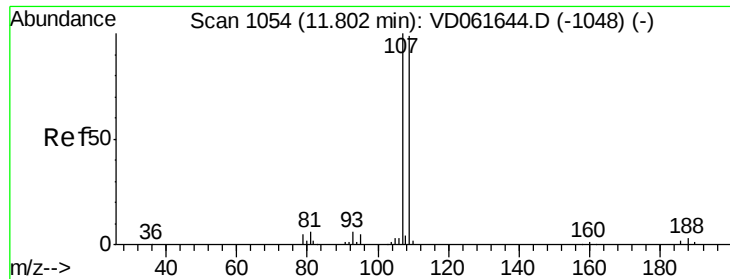
MMDadoda
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#60
Dibromochloromethane
Concen: 21.046 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 129 Resp: 145501
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





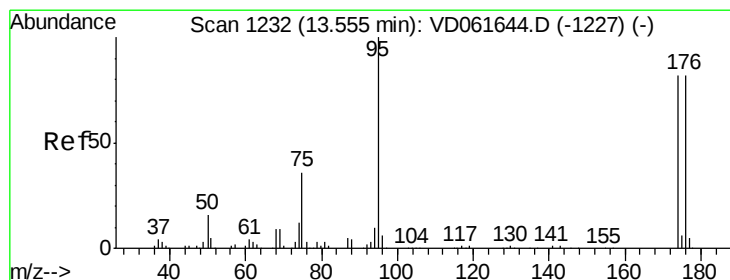
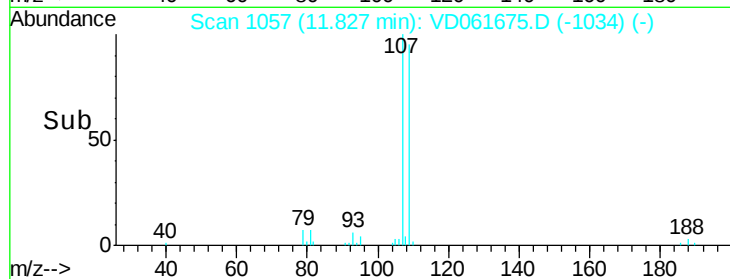
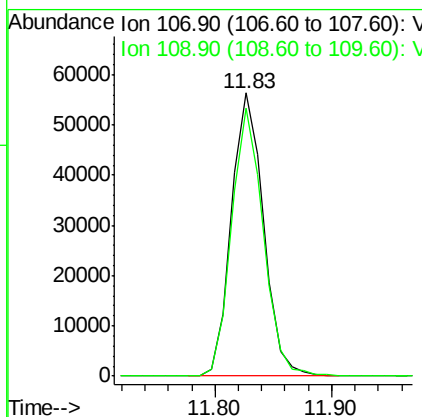
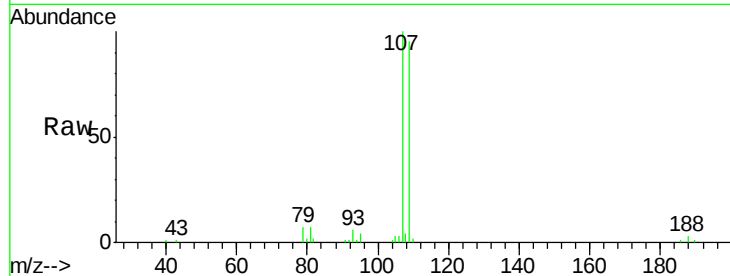
#61
 1,2-Dibromoethane
 Concen: 20.977 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion: 107 Resp: 107348
 Ion Ratio Lower Upper
 107 100
 109 94.7 79.2 118.8

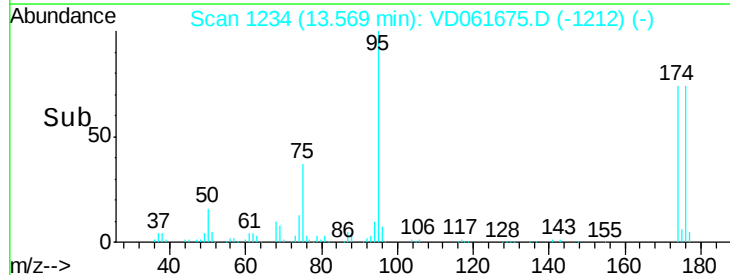
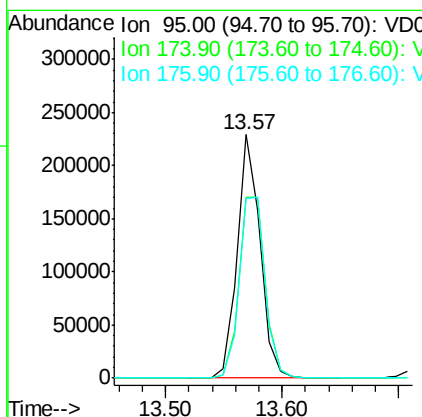
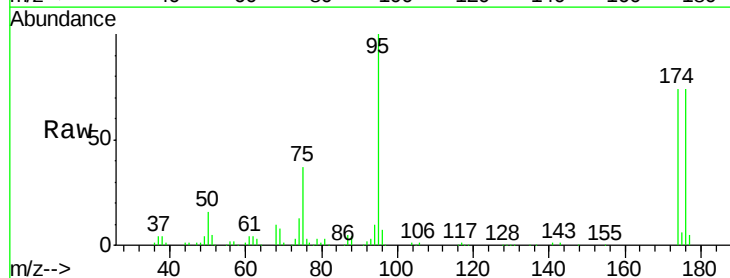
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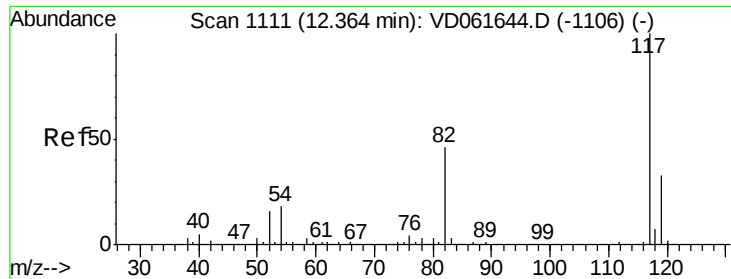
MMDadoda
 4/11/2019 3:00:01 AM



#62
 4-Bromofluorobenzene
 Concen: 51.957 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion: 95 Resp: 310266
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 164.6
 176 73.8 0.0 165.0





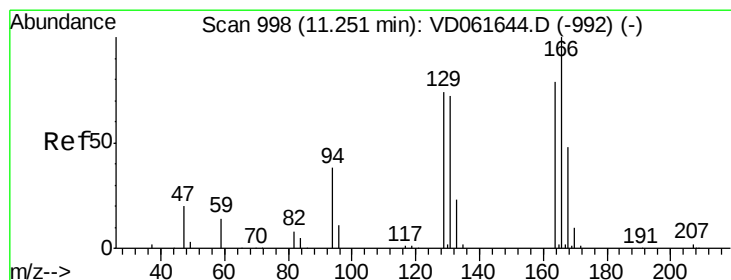
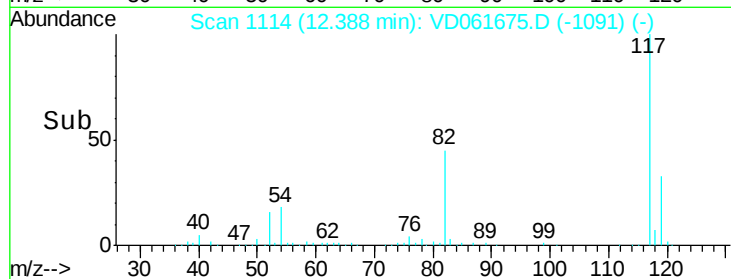
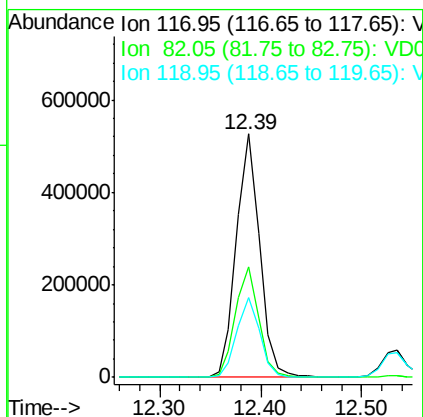
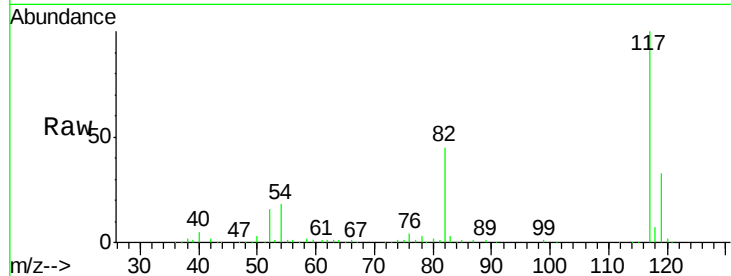
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion:117 Resp: 848223
Ion Ratio Lower Upper
117 100
82 45.3 36.8 55.2
119 32.9 26.1 39.1

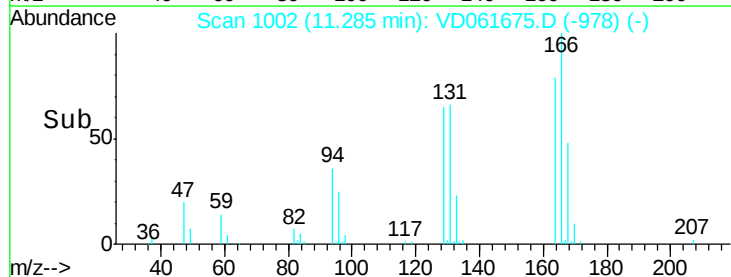
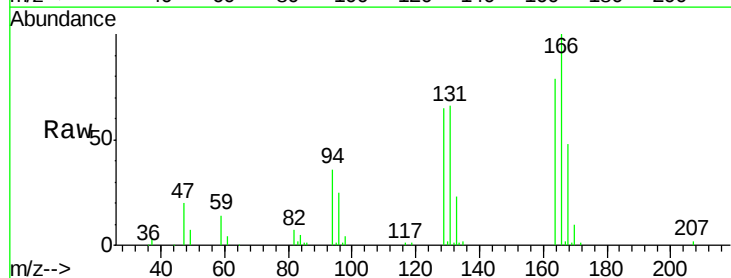
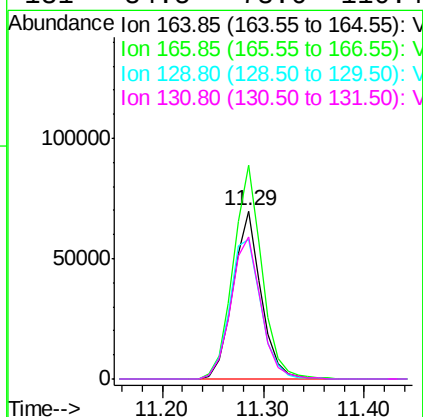
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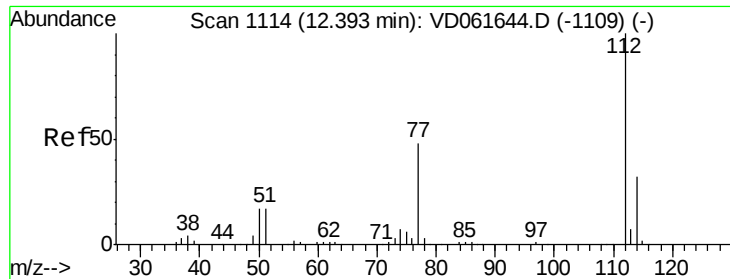
MMDadoda
4/11/2019 3:00:01 AM



#64
Tetrachloroethene
Concen: 20.306 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. 0.03 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion:164 Resp: 133702
Ion Ratio Lower Upper
164 100
166 127.2 101.8 152.8
129 83.3 75.4 113.0
131 84.5 73.6 110.4





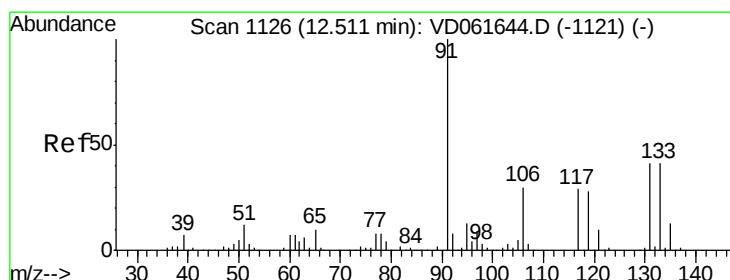
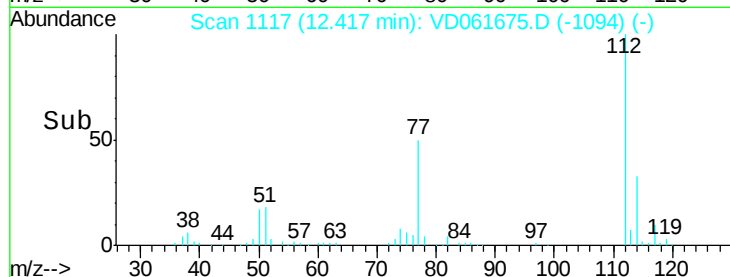
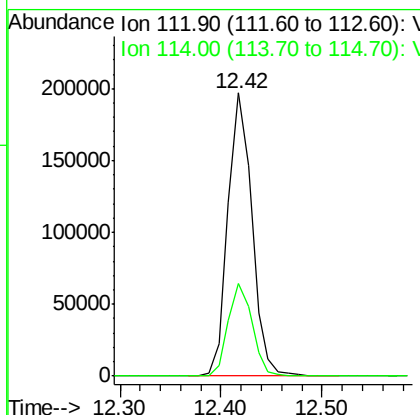
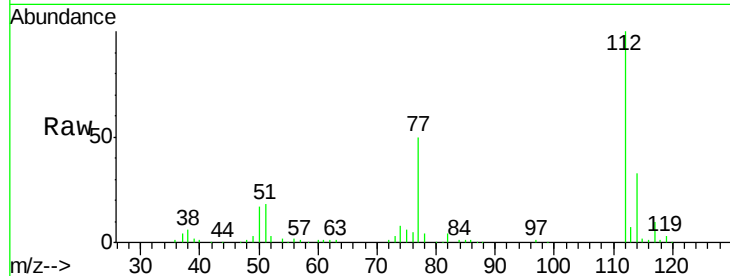
#65
Chlorobenzene
Concen: 19.355 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion:112 Resp: 325576
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

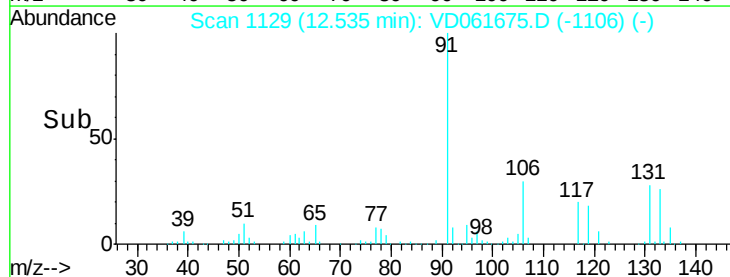
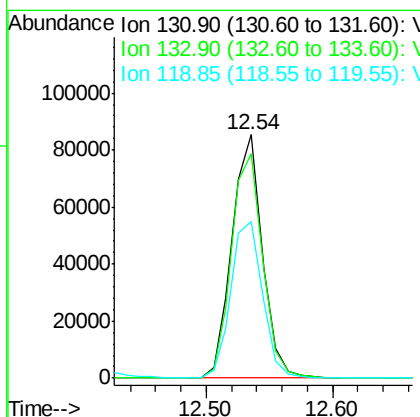
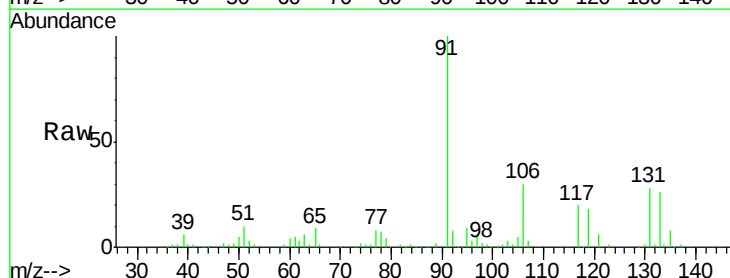
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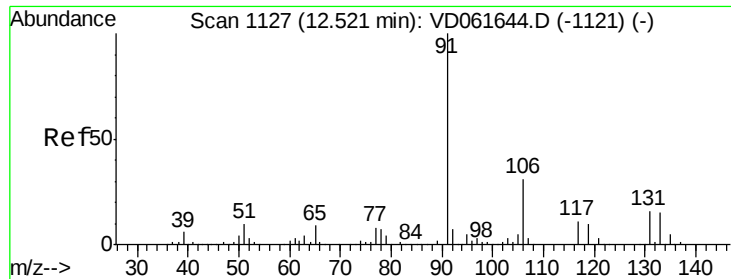
MMDadoda
4/11/2019 3:00:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.892 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion:131 Resp: 141706
Ion Ratio Lower Upper
131 100
133 92.2 49.5 148.3
119 64.1 34.7 104.1





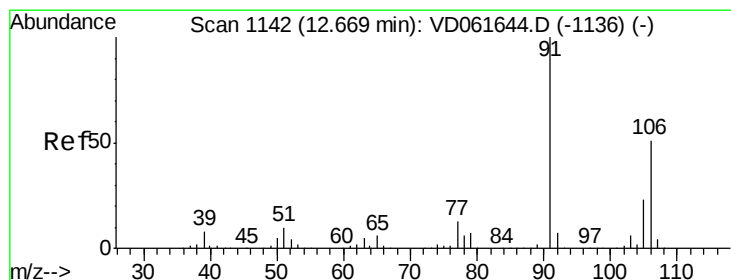
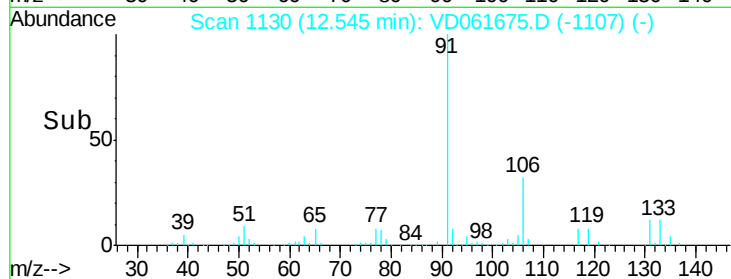
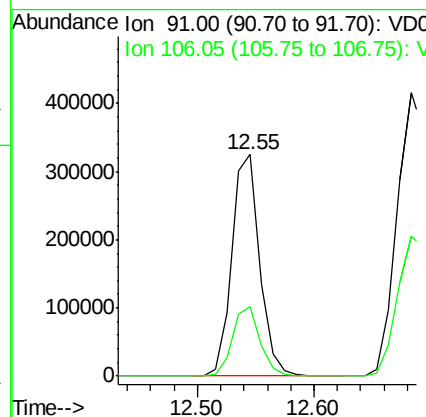
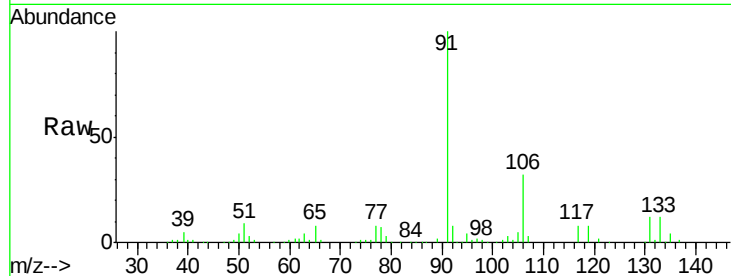
#67
Ethyl Benzene
Concen: 21.026 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 91 Resp: 538573
Ion Ratio Lower Upper
91 100
106 31.7 24.6 37.0

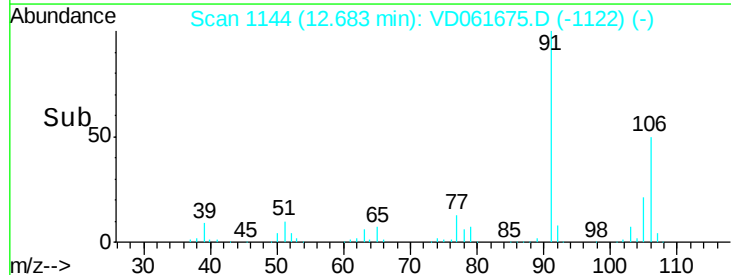
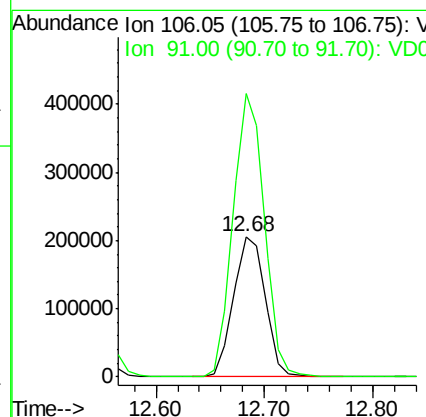
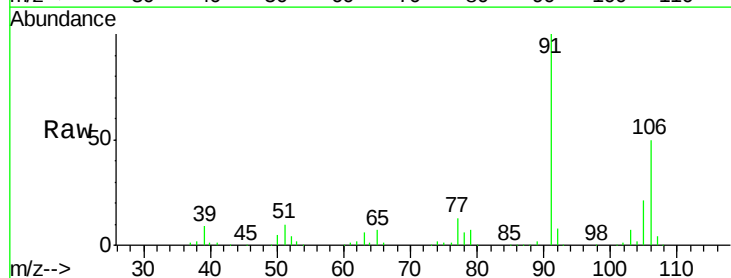
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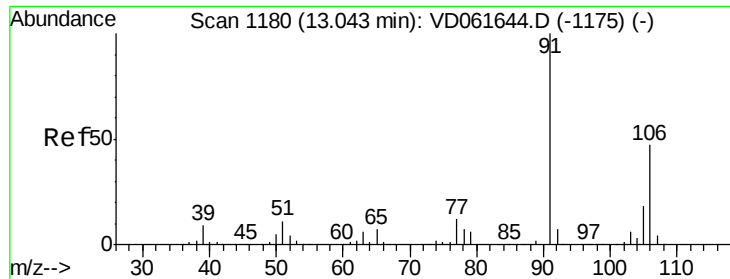
MMDadoda
4/11/2019 3:00:01 AM



#68
m/p-Xylenes
Concen: 42.373 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 106 Resp: 418440
Ion Ratio Lower Upper
106 100
91 201.9 156.7 235.1





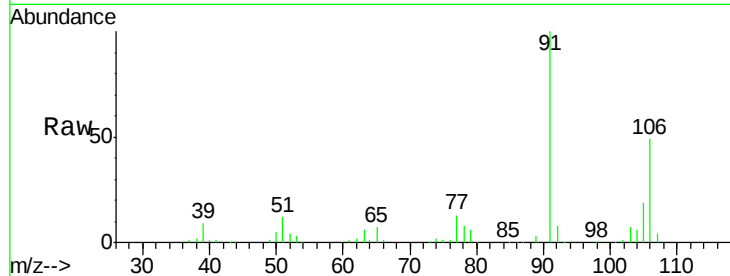
#69
o-Xylene
Concen: 19.152 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

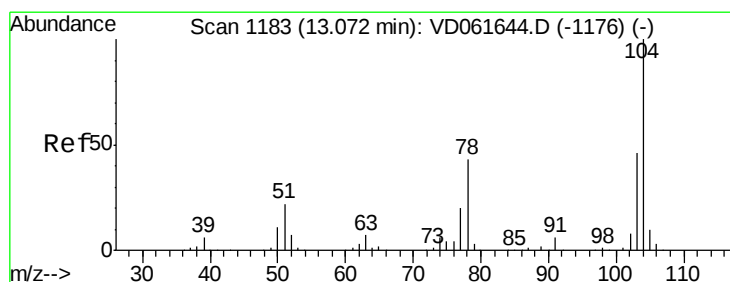
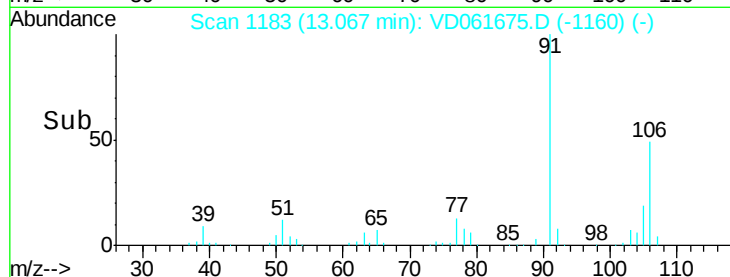
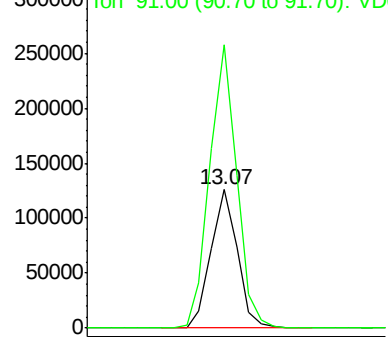
Tgt Ion:106 Resp: 182568
Ion Ratio Lower Upper
106 100
91 204.1 107.3 321.9

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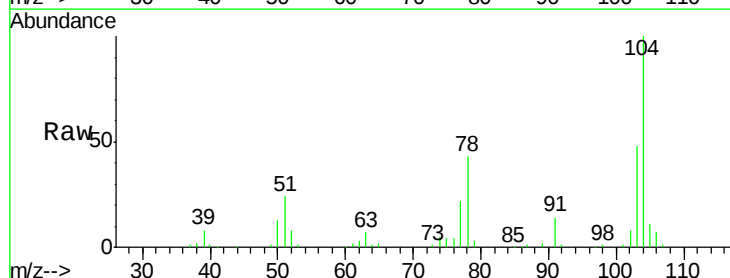


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

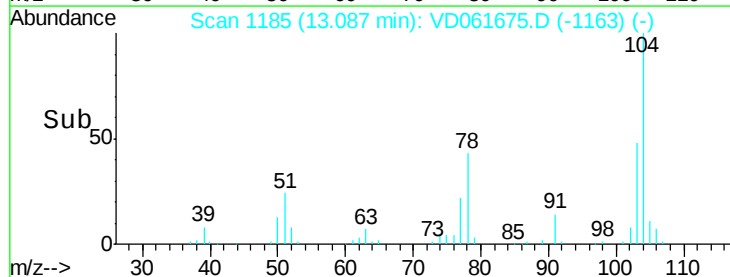
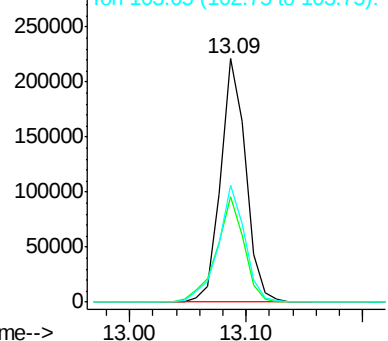


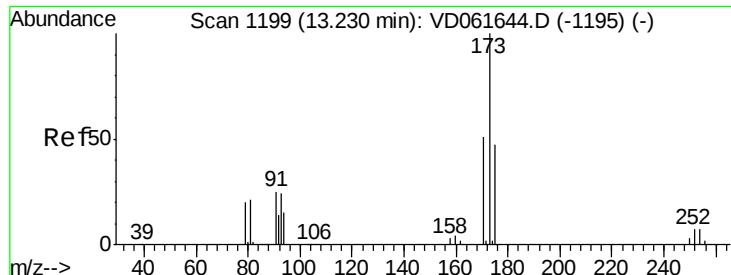
#70
Styrene
Concen: 20.291 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion:104 Resp: 330335
Ion Ratio Lower Upper
104 100
78 43.4 34.2 51.4
103 47.9 37.2 55.8



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





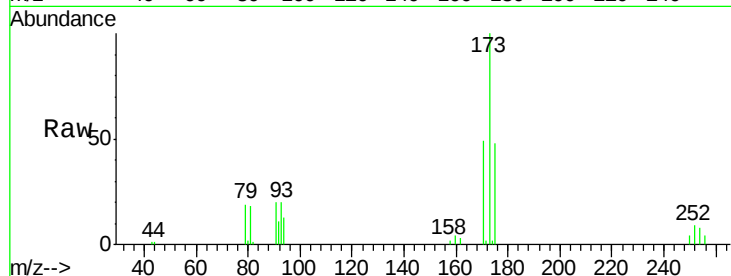
#71
Bromoform
Concen: 19.115 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

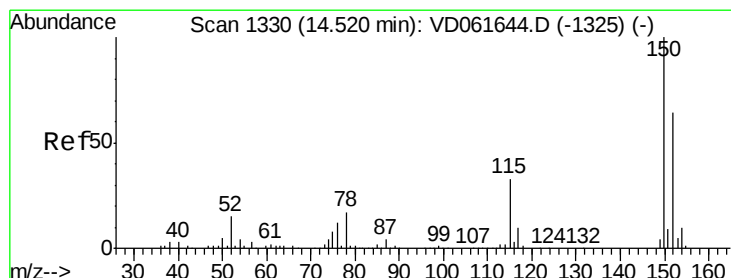
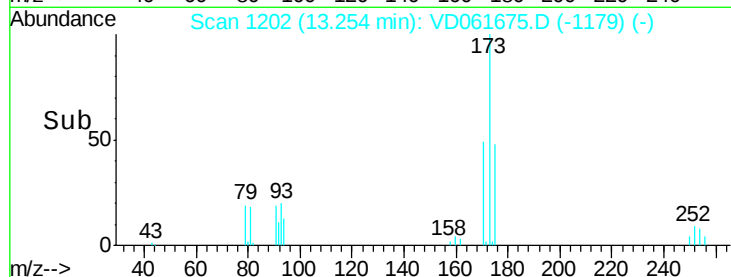
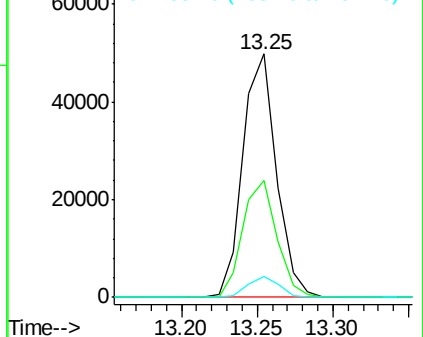
Tgt Ion:173 Resp: 76769
Ion Ratio Lower Upper
173 100
175 48.2 23.7 71.1
254 8.4 5.8 8.6

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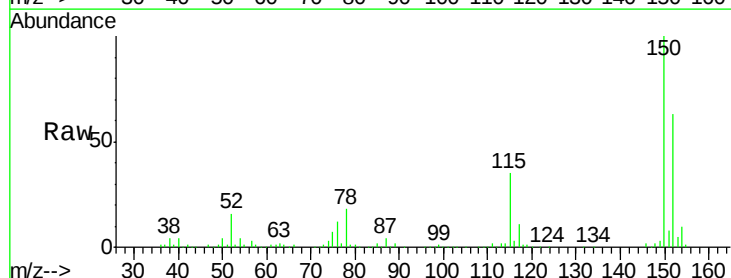


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

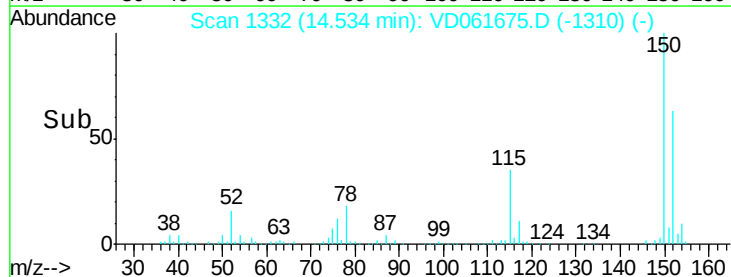
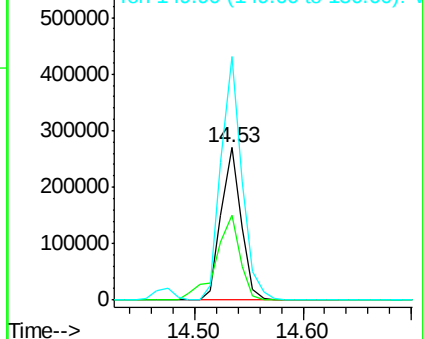


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion:152 Resp: 349000
Ion Ratio Lower Upper
152 100
115 55.5 26.4 79.2
150 159.9 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.086 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 105 Resp: 490339

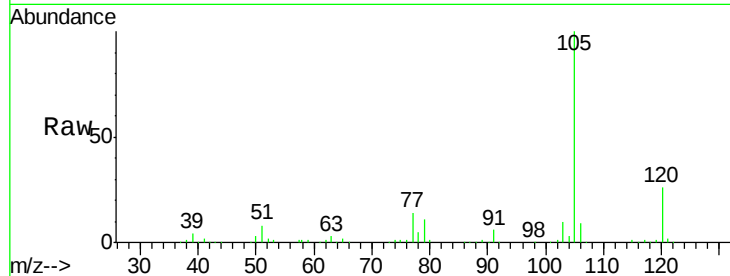
Ion Ratio Lower Upper

105 100

120 25.5 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

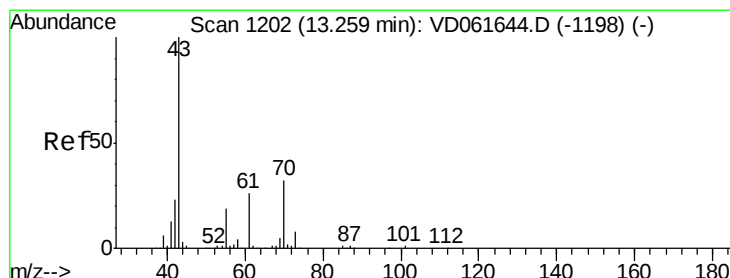
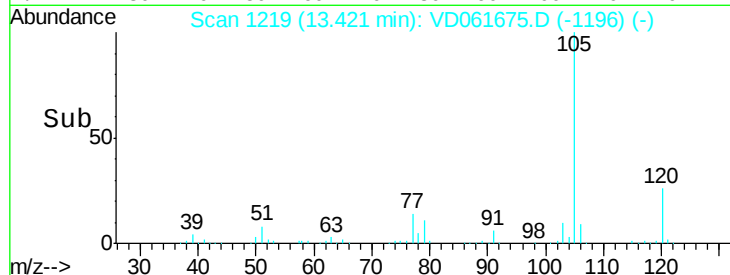
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.693 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Tgt Ion: 43 Resp: 137062

Ion Ratio Lower Upper

43 100

70 34.2 25.4 38.2

55 20.3 15.0 22.4

61 28.9 20.9 31.3

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

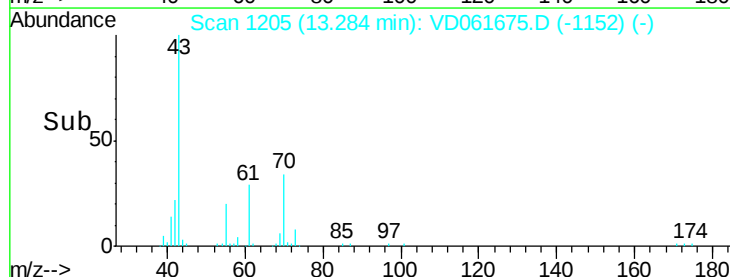
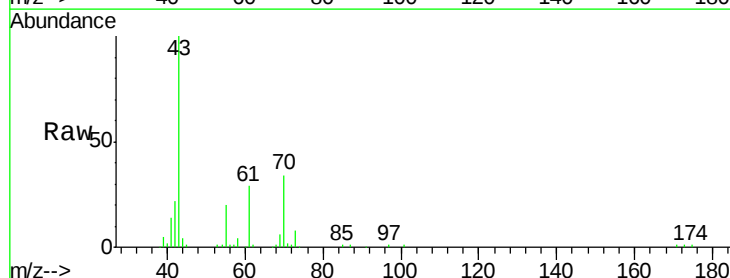
150000

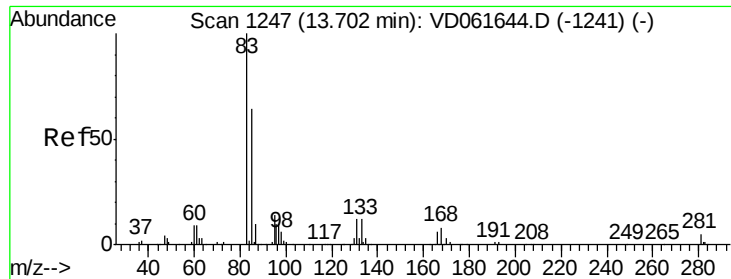
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.924 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 83 Resp: 100608
Ion Ratio Lower Upper

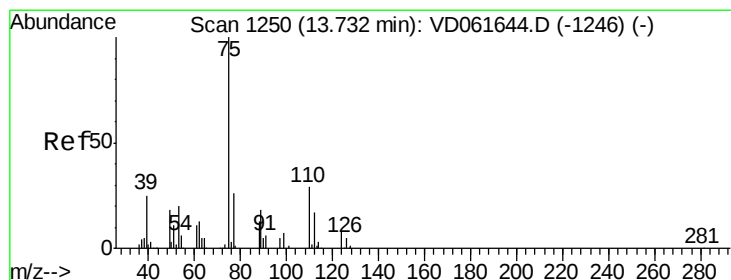
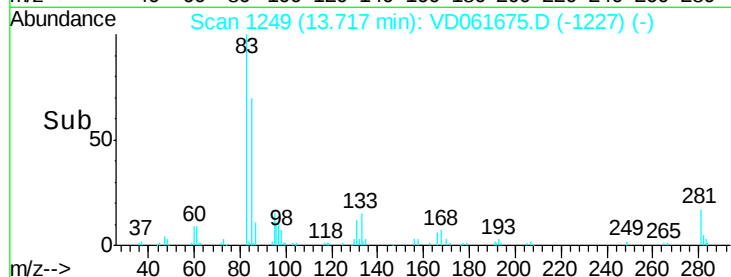
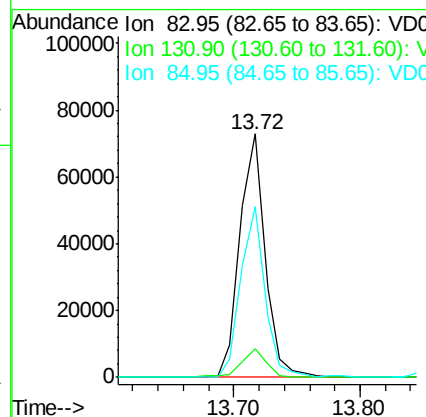
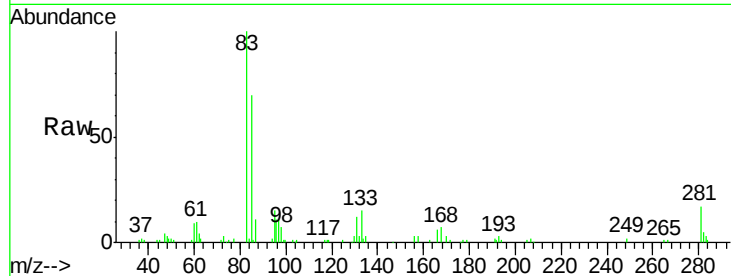
83 100

131 11.9 5.9 17.6

85 70.0 32.0 96.2

Manual Integrations
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4/11/2019 3:00:01 AM



#76

1,2,3-Trichloropropane

Concen: 21.073 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

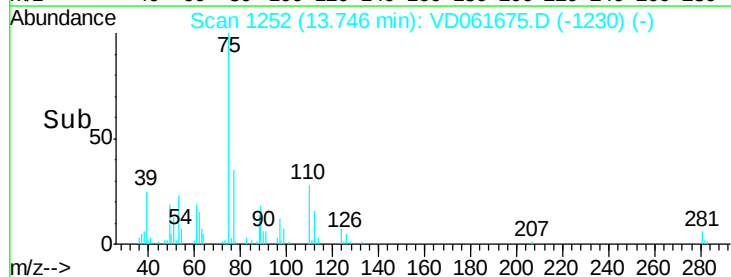
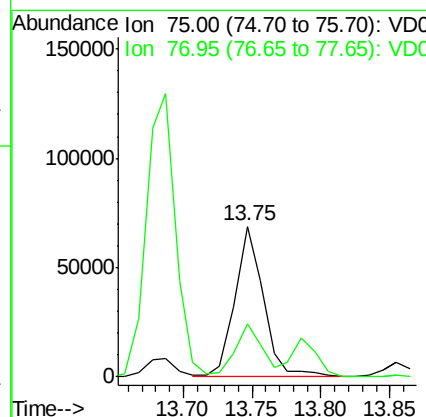
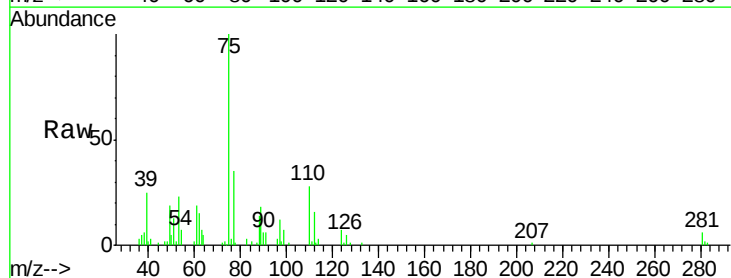
Lab File: VD061675.D

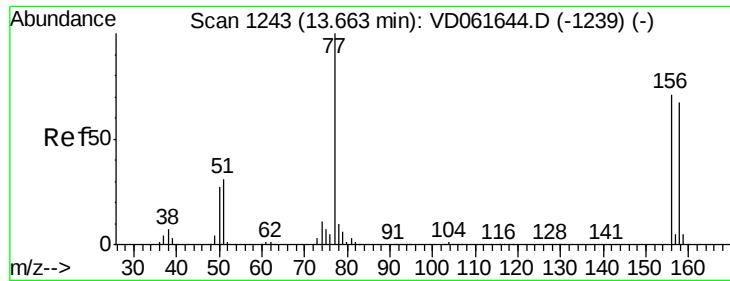
Acq: 9 Apr 2019 15:24

Tgt Ion: 75 Resp: 100059
Ion Ratio Lower Upper

75 100

77 35.3 15.7 47.1





#77

Bromobenzene

Concen: 23.037 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion: 156 Resp: 155499

Ion Ratio Lower Upper

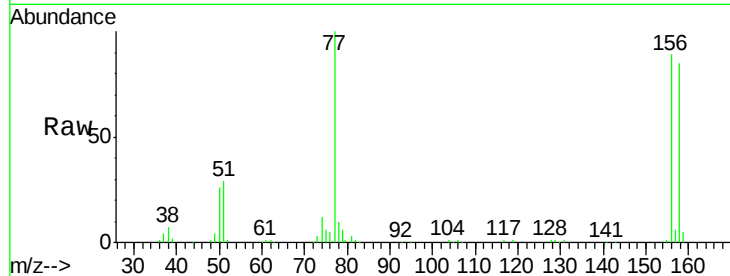
156 100

77 112.5 70.3 210.8

158 95.6 47.4 142.2

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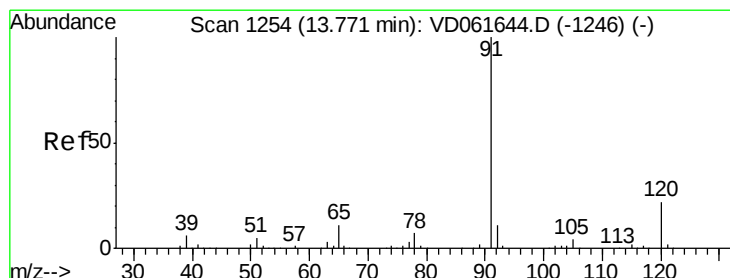
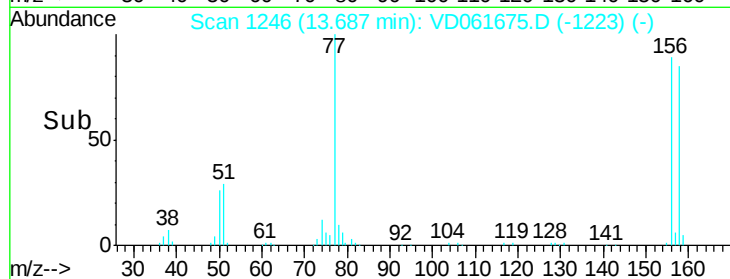
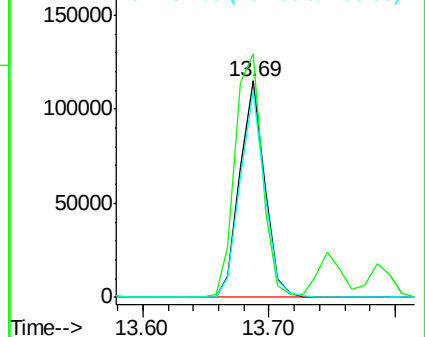
MMDadoda
4/11/2019 3:00:01 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.933 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061675.D

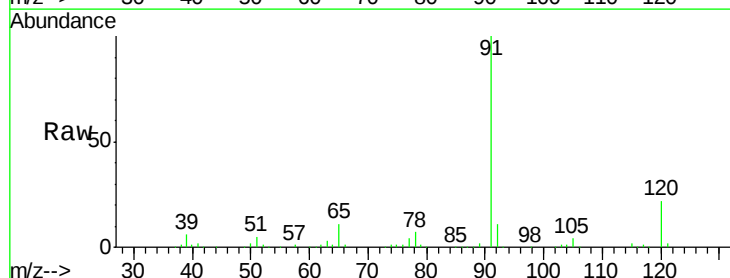
Acq: 9 Apr 2019 15:24

Tgt Ion: 91 Resp: 637928

Ion Ratio Lower Upper

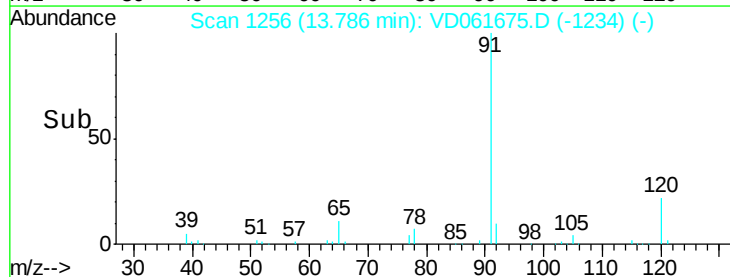
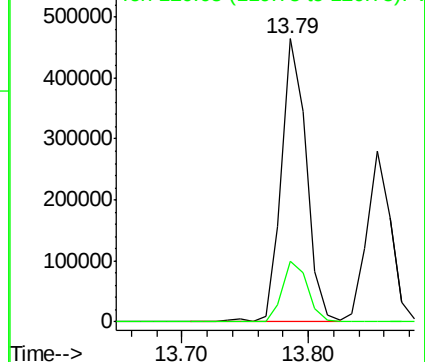
91 100

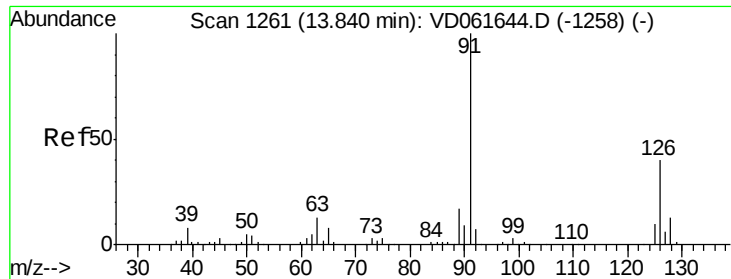
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





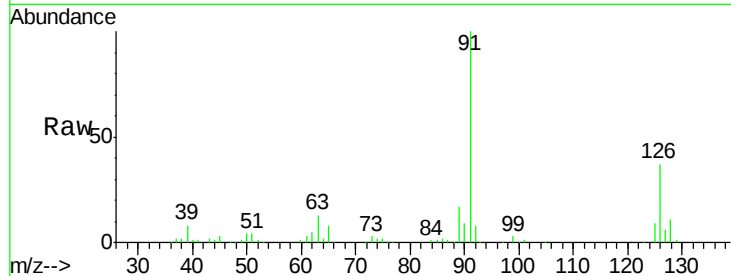
#79
 2-Chlorotoluene
 Concen: 22.971 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0409SBS01

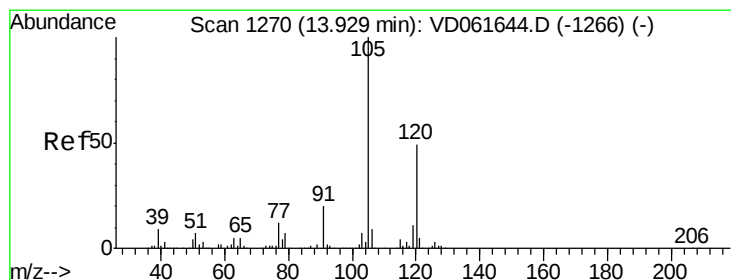
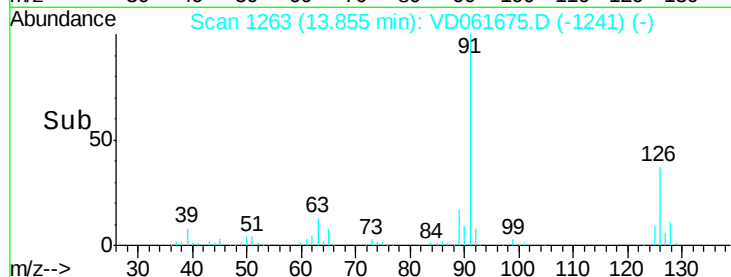
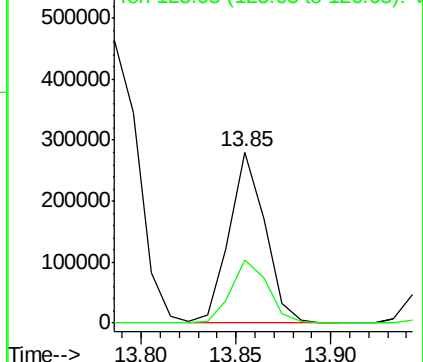
Tgt Ion: 91 Resp: 365410
 Ion Ratio Lower Upper
 91 100
 126 37.1 20.0 59.9

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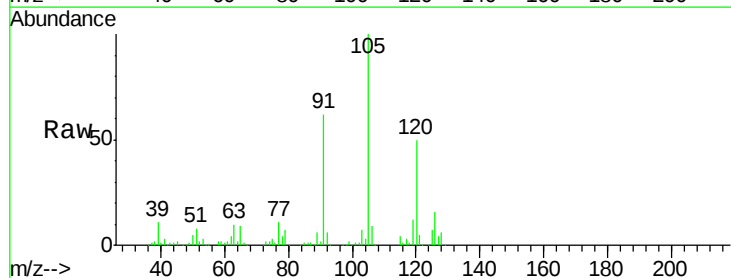


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

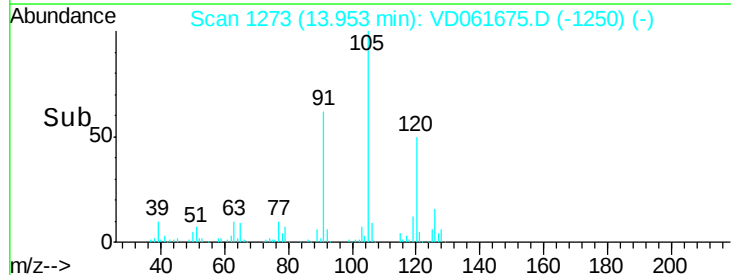
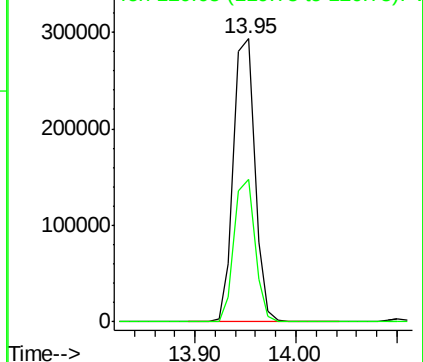


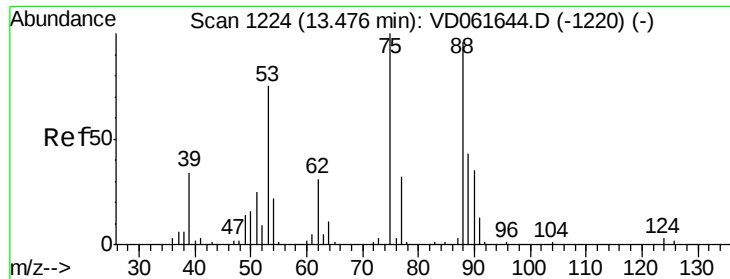
#80
 1,3,5-Trimethylbenzene
 Concen: 23.480 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion: 105 Resp: 433376
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





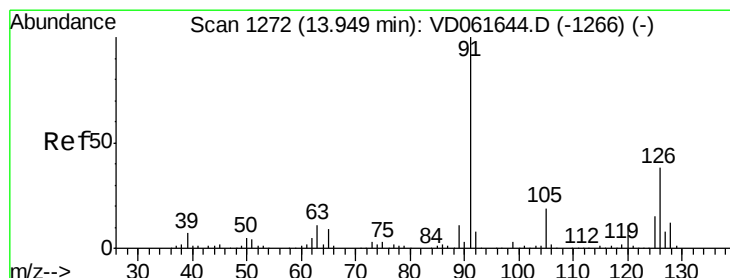
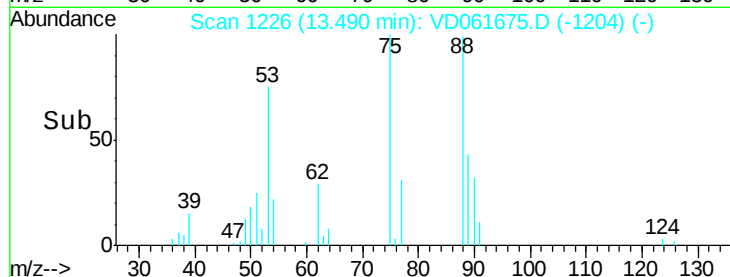
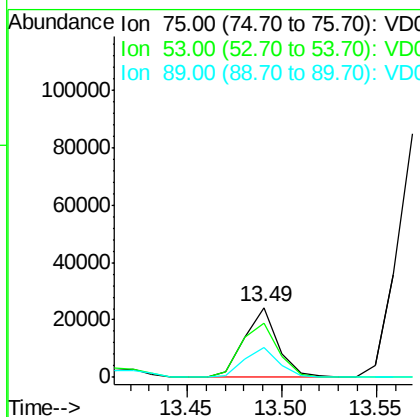
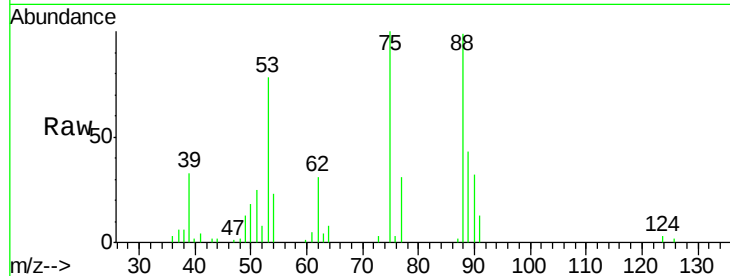
#81
trans-1,4-Dichloro-2-butene
Concen: 20.707 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.8	60.2	90.2
89	43.1	34.2	51.2

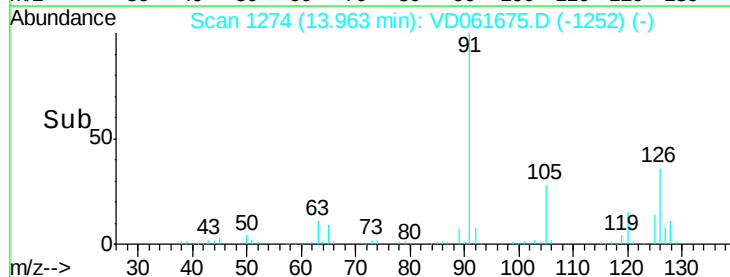
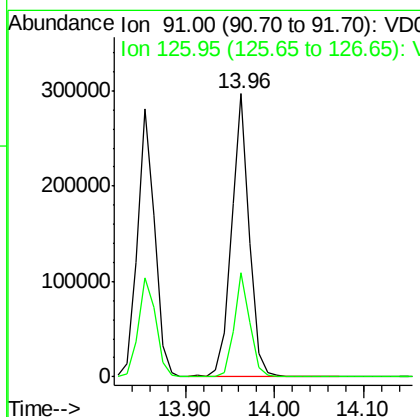
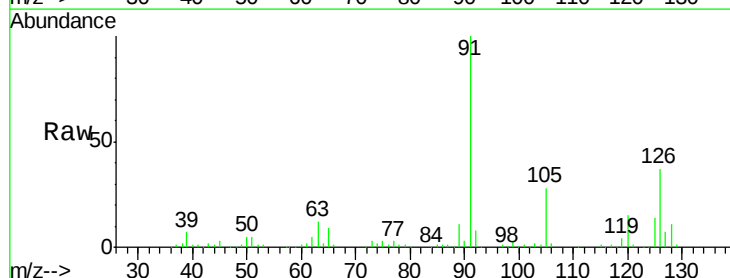
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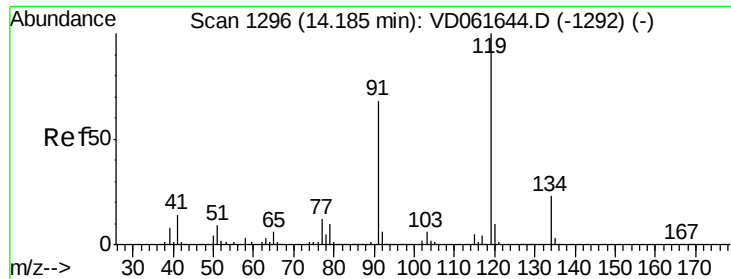
MMDadoda
4/11/2019 3:00:01 AM



#82
4-Chlorotoluene
Concen: 24.012 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	19.0	57.0





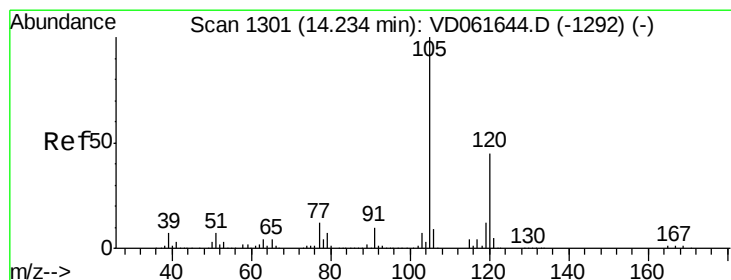
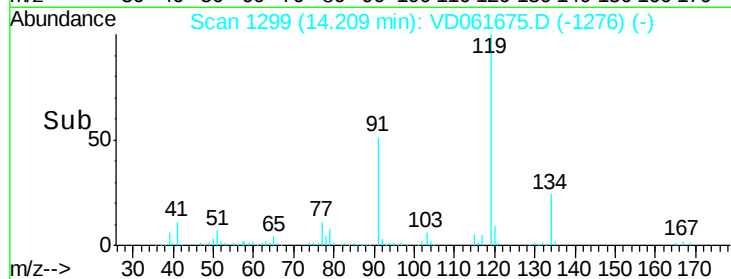
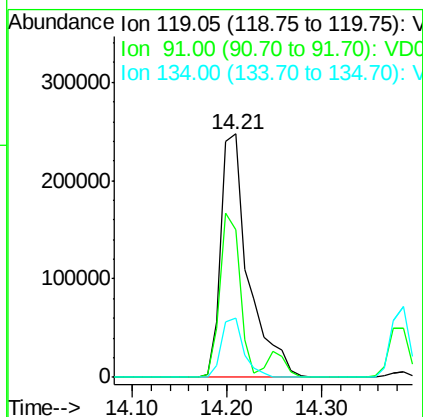
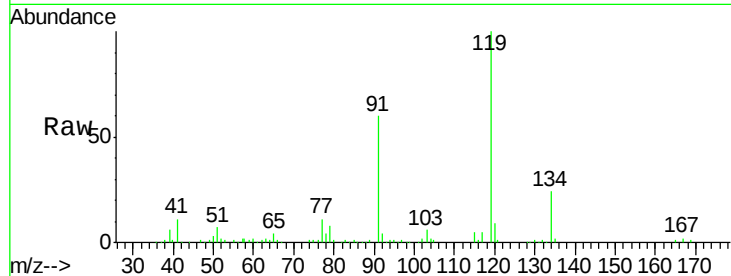
#83
 tert-Butylbenzene
 Concen: 22.469 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	500013		
91	60.4	33.9	101.6	
134	24.2	11.6	34.8	

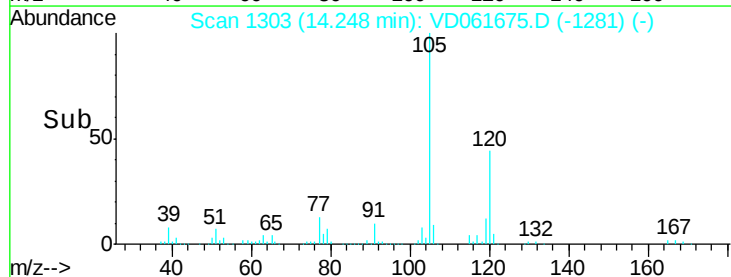
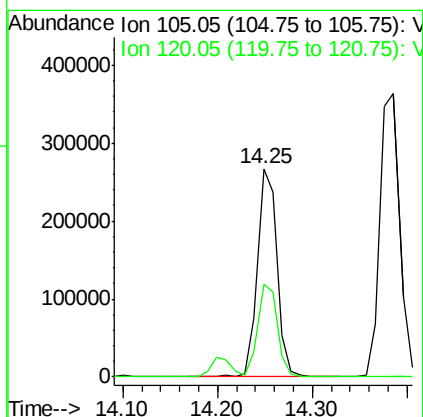
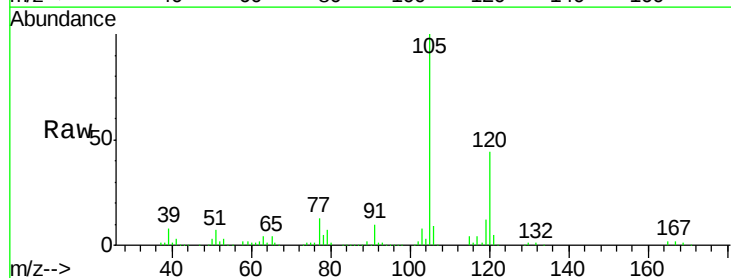
Manual Integrations
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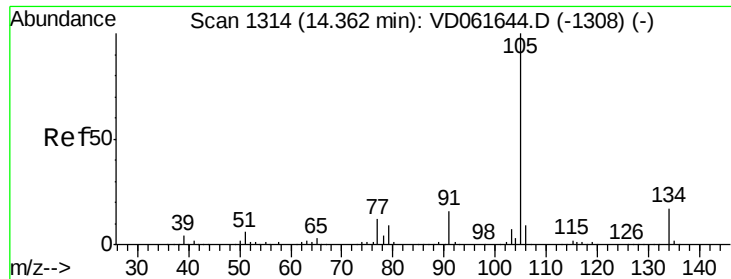
MMDadoda
 4/11/2019 3:00:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.663 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	384914		
120	44.3	22.6	67.8	





#85

sec-Butylbenzene

Concen: 22.210 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

VD0409SBS01

Tgt Ion:105 Resp: 534015

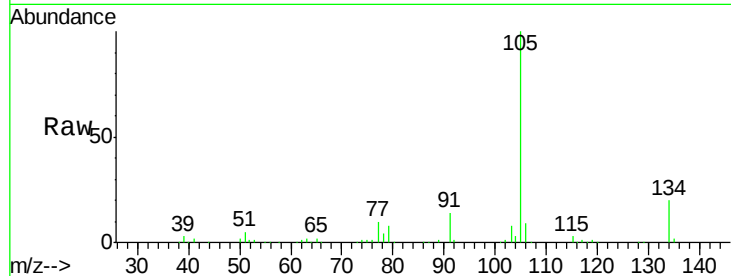
Ion Ratio Lower Upper

105 100

134 19.8 8.6 25.7

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

400000

300000

200000

100000

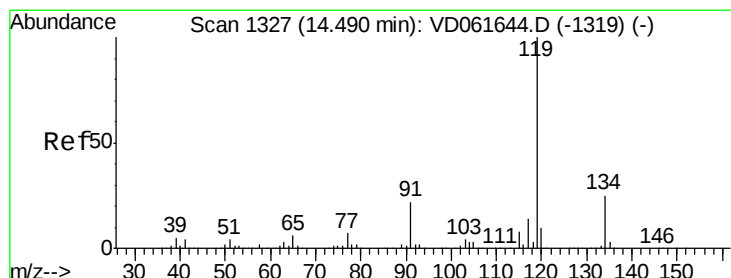
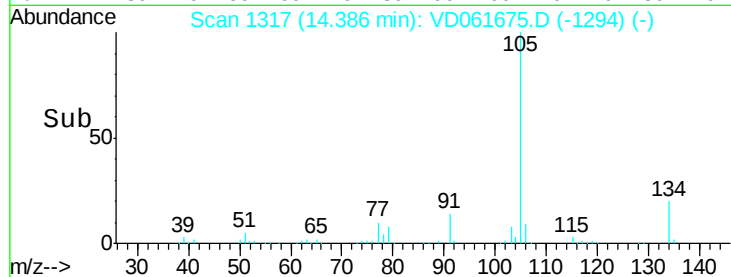
0

14.30

14.40

14.50

Time-->



#86

p-Isopropyltoluene

Concen: 22.156 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: VD061675.D

Acq: 9 Apr 2019 15:24

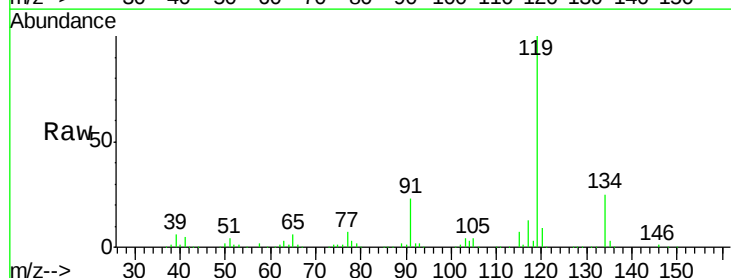
Tgt Ion:119 Resp: 462128

Ion Ratio Lower Upper

119 100

134 24.6 12.5 37.5

91 22.7 11.0 33.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

200000

100000

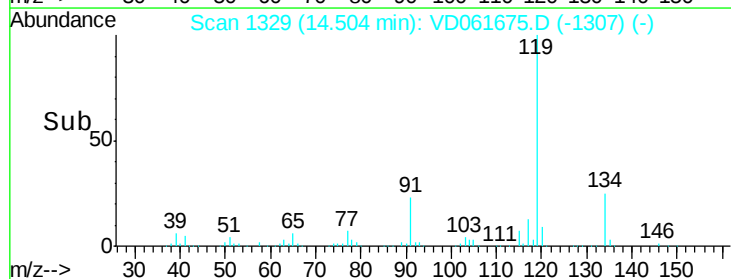
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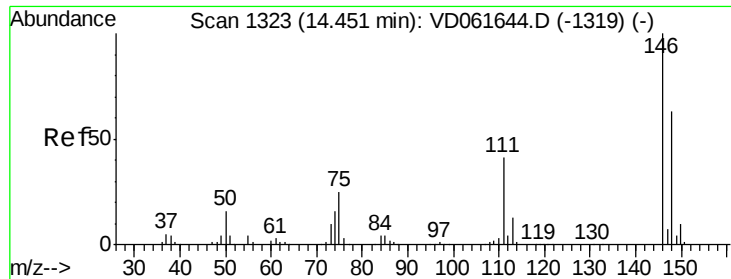
14.40

14.50

14.60

Time-->





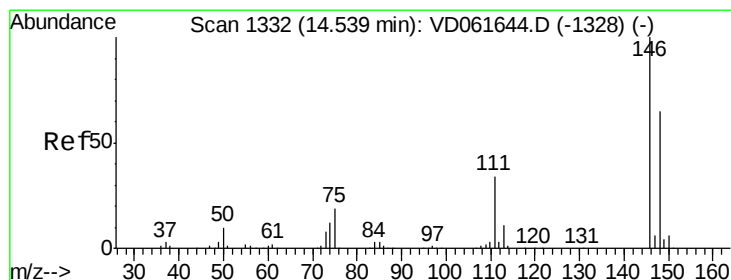
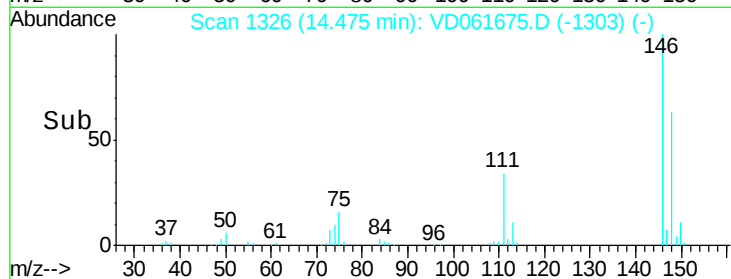
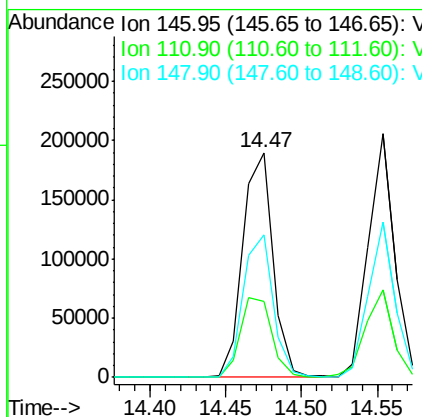
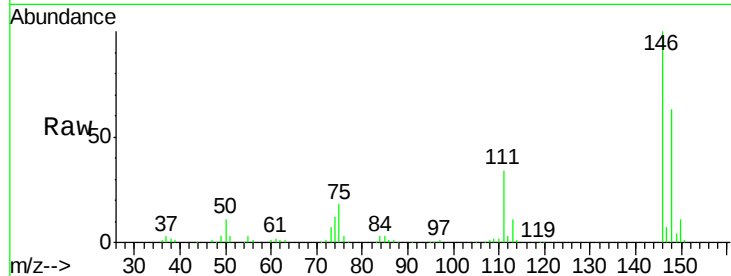
#87
 1,3-Dichlorobenzene
 Concen: 22.743 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264198		
111	33.7	20.3	61.0	
148	63.3	31.7	95.1	

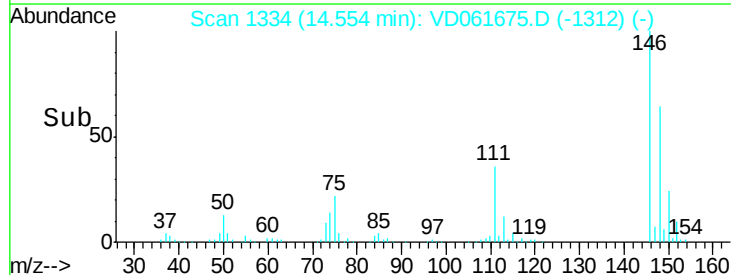
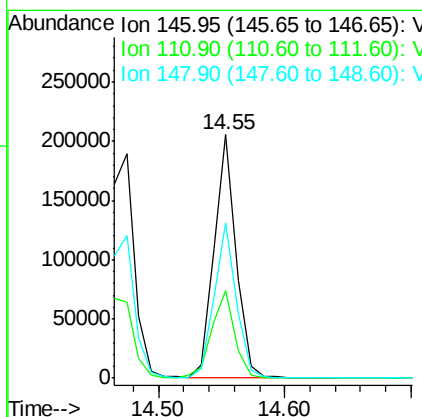
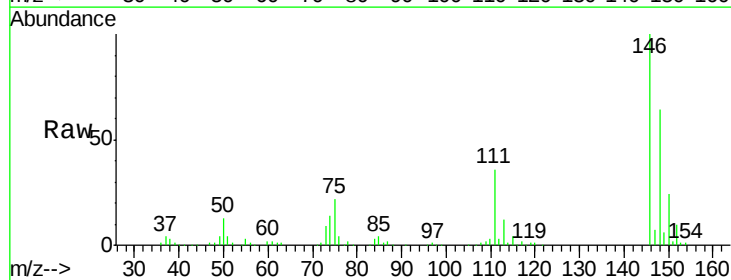
Manual Integrations
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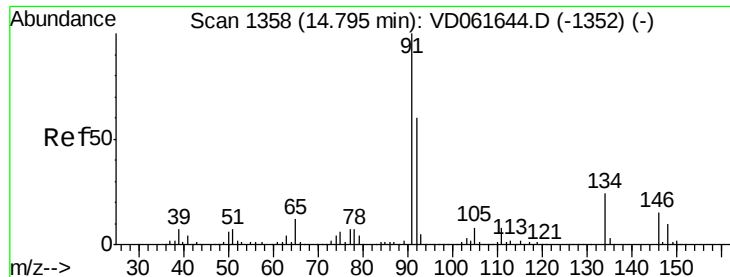
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#88
 1,4-Dichlorobenzene
 Concen: 21.254 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	249118		
111	35.7	17.1	51.2	
148	64.0	32.6	97.7	





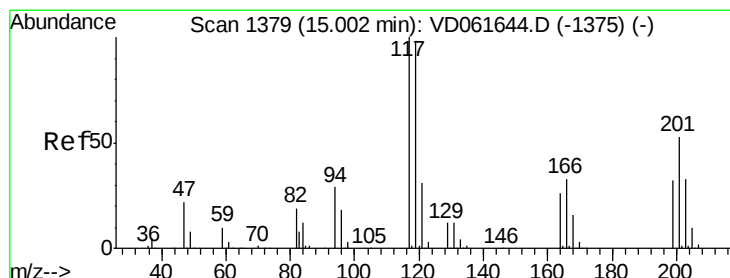
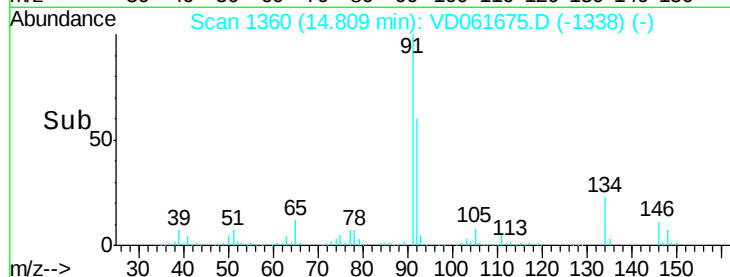
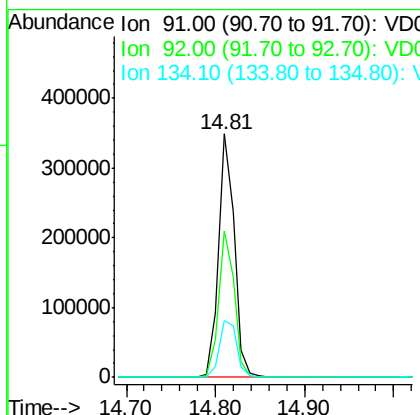
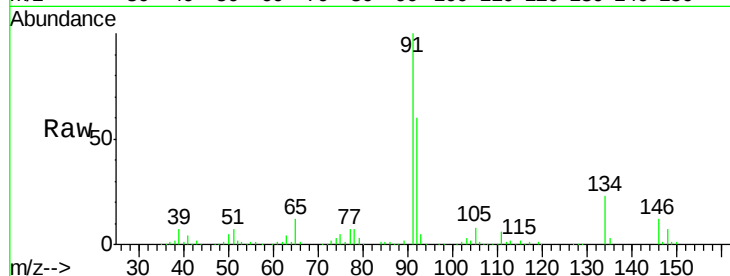
#89
n-Butylbenzene
Concen: 23.952 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBSD01

Tgt Ion: 91 Resp: 434240
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.4
134 23.5 12.2 36.4

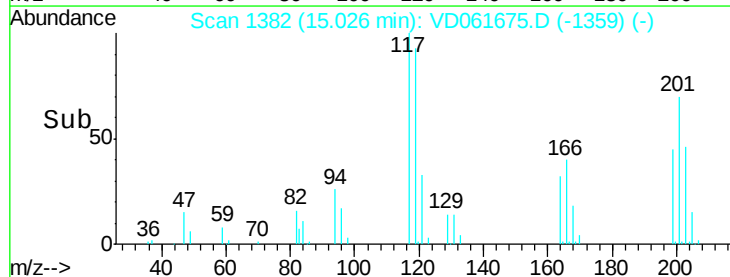
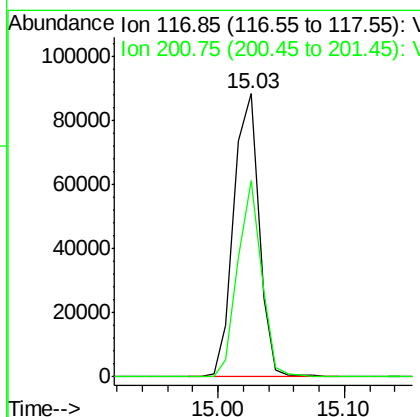
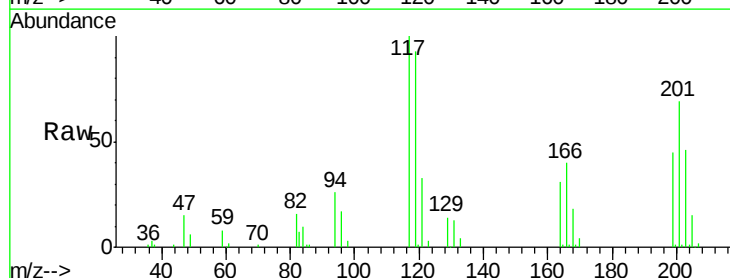
Manual Integrations
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4/11/2019 3:00:01 AM



#90
Hexachloroethane
Concen: 21.694 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion: 117 Resp: 122781
Ion Ratio Lower Upper
117 100
201 69.2 26.3 78.8





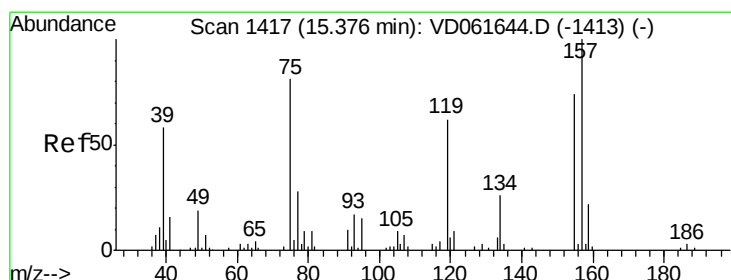
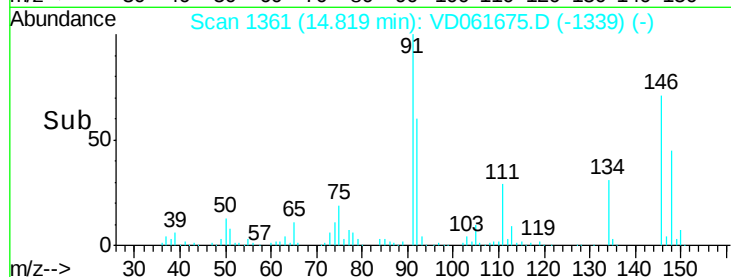
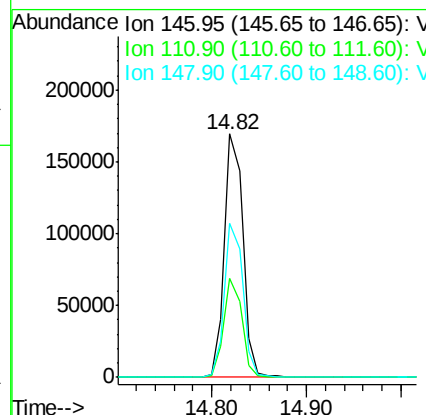
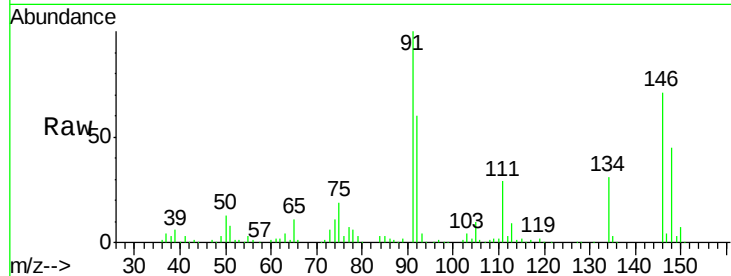
#91
 1,2-Dichlorobenzene
 Concen: 24.097 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.3
148	63.3	31.7	95.1

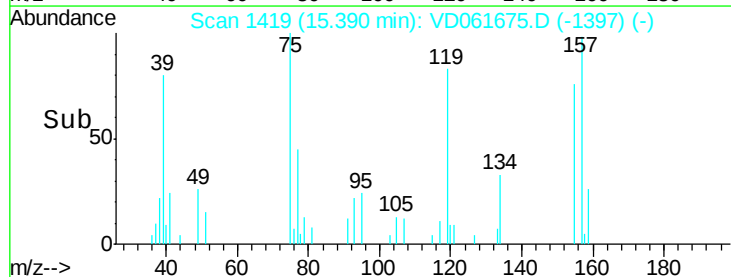
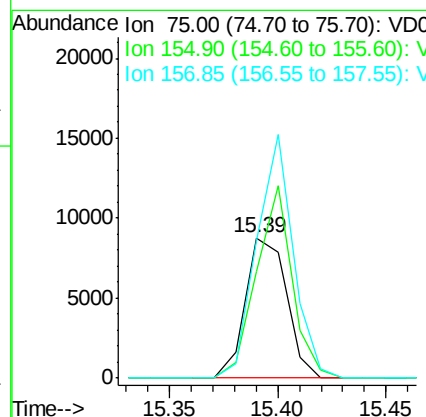
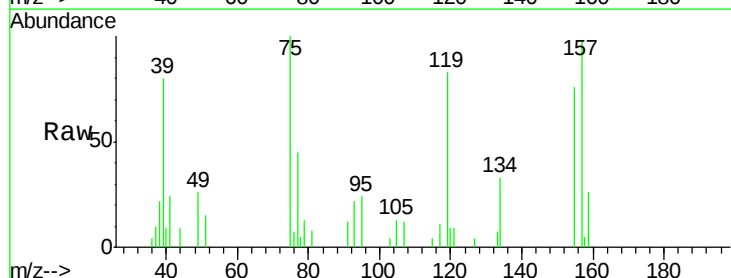
Manual Integrations
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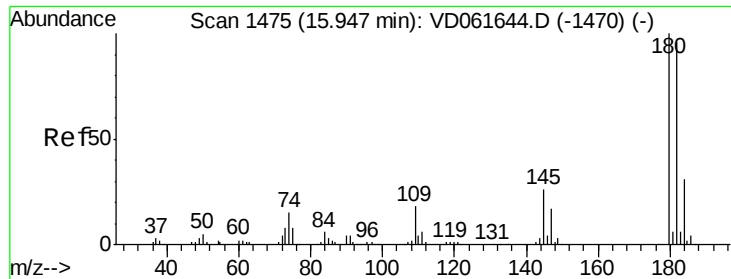
MMDadoda
 4/11/2019 3:00:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.887 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	45.6	136.7
157	97.7	61.4	184.2





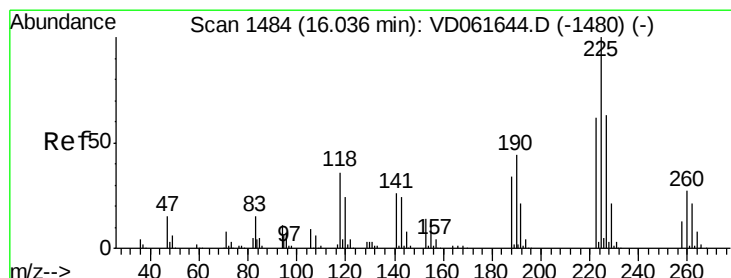
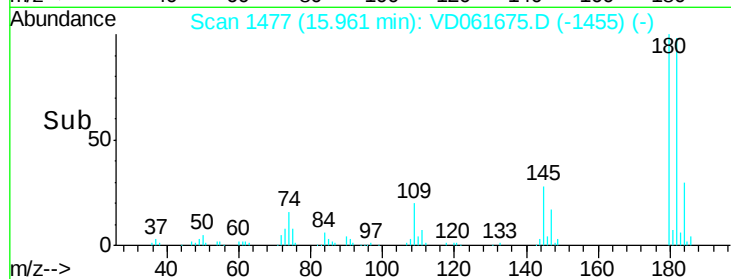
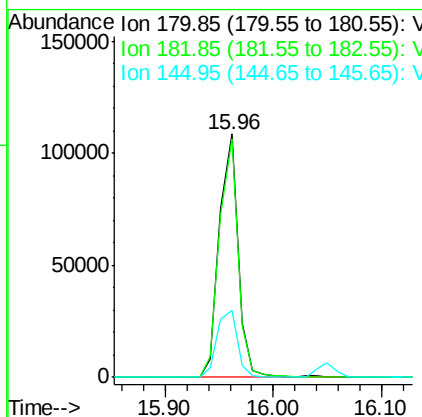
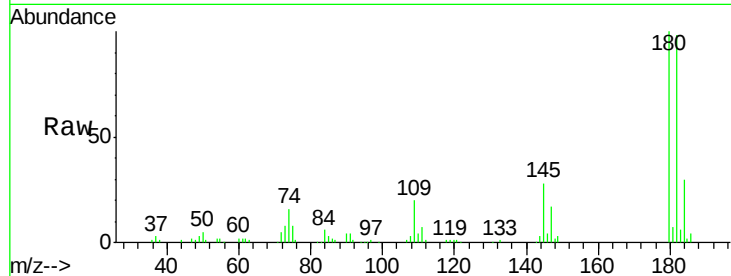
#93
 1,2,4-Trichlorobenzene
 Concen: 27.013 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	131764		
182	97.9	47.8	143.3	
145	27.8	13.3	39.8	

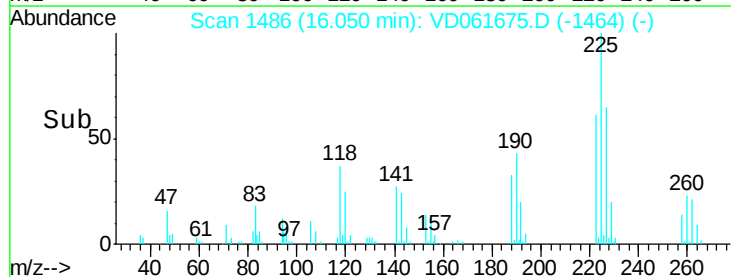
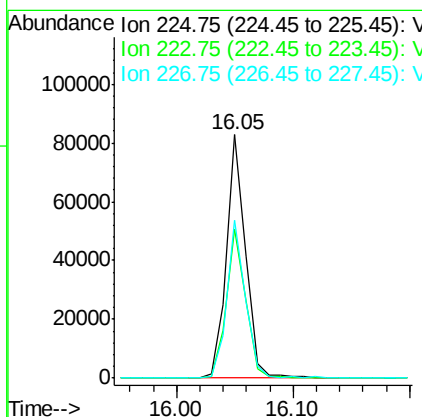
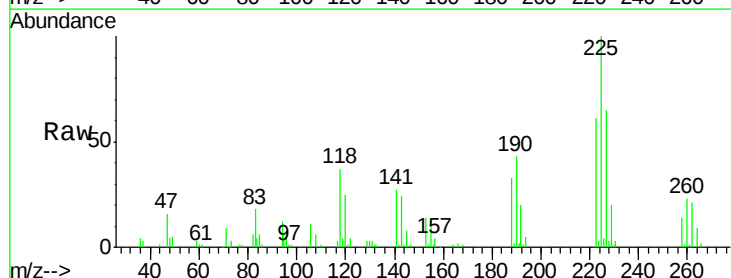
Manual Integrations
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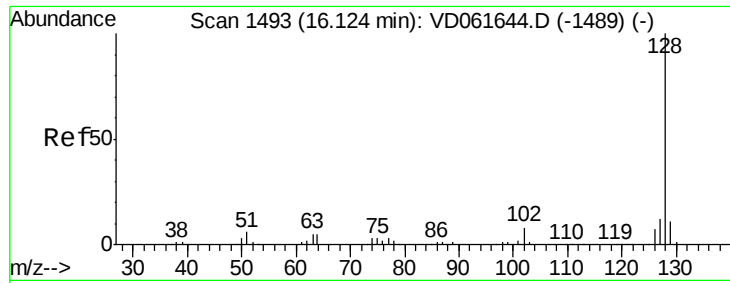
MMDadoda
 4/11/2019 3:00:01 AM



#94
 Hexachlorobutadiene
 Concen: 24.993 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061675.D
 Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94132		
223	61.4	30.8	92.3	
227	65.0	31.5	94.5	





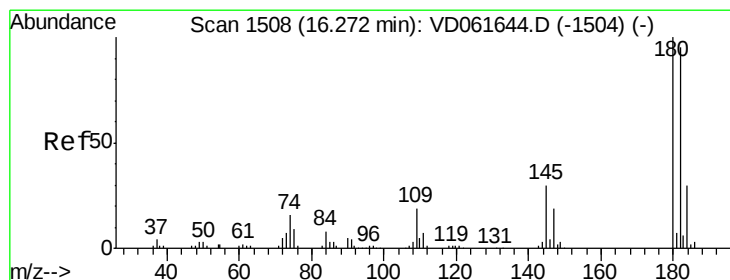
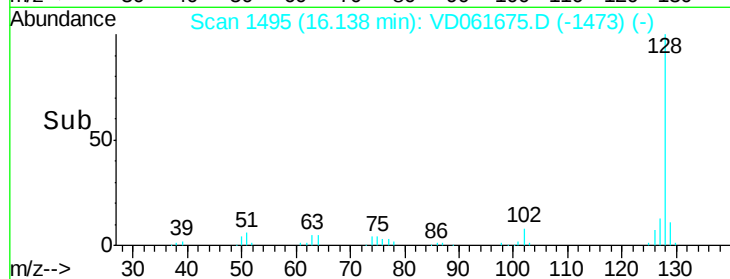
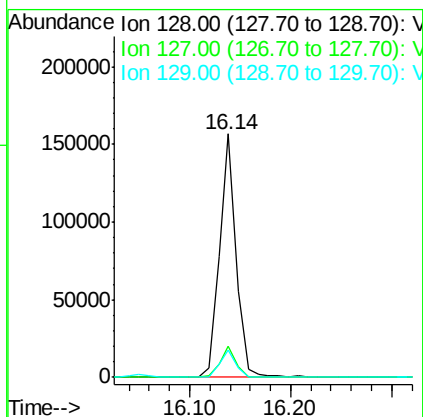
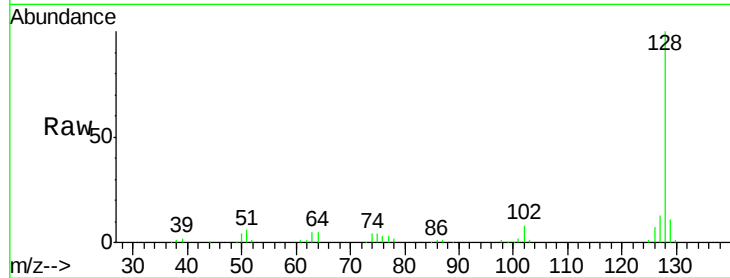
#95
Naphthalene
Concen: 23.618 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
VD0409SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	182284		
127	12.8		9.4	14.2
129	11.4		8.8	13.2

Manual Integrations
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4/11/2019 3:00:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 28.194 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VD061675.D
Acq: 9 Apr 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68634		
182	98.8		47.3	142.0
145	31.6		15.1	45.3

