

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060784.D
 Acq On : 23 Jan 2019 16:09
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:05 PM

Quant Time: Jan 24 05:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	691702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	907736	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	767908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	382556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	97110	10.67	ug/l	0.00
Spiked Amount			Recovery	=	21.34%	
35) Dibromofluoromethane	6.68	113	88671	11.05	ug/l	0.00
Spiked Amount			Recovery	=	22.10%	
50) Toluene-d8	10.19	98	215122	11.33	ug/l	0.00
Spiked Amount			Recovery	=	22.66%	
62) 4-Bromofluorobenzene	13.35	95	112150	12.14	ug/l	0.00
Spiked Amount			Recovery	=	24.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	64375	7.352	ug/l	91
3) Chloromethane	1.77	50	44280	9.655	ug/l	100
4) Vinyl Chloride	1.86	62	41849	8.058	ug/l	98
5) Bromomethane	2.15	94	11490	7.559	ug/l	81
6) Chloroethane	2.25	64	13690	7.354	ug/l	99
7) Trichlorofluoromethane	2.50	101	82390	8.258	ug/l	94
8) Diethyl Ether	2.81	74	11325	9.598	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.07	101	43676	8.842	ug/l	94
10) Methyl Iodide	3.22	142	39369	7.403	ug/l	99
11) Tert butyl alcohol	3.94	59	22259	42.301	ug/l	98
12) 1,1-Dichloroethene	3.05	96	30061	8.735	ug/l	94
13) Acrolein	2.95	56	12669m	64.465	ug/l	
14) Allyl chloride	3.50	41	66138	9.036	ug/l	97
15) Acrylonitrile	4.06	53	58299	47.614	ug/l	97
16) Acetone	3.14	43	61356	48.547	ug/l #	90
17) Carbon Disulfide	3.29	76	101066	8.902	ug/l	98
18) Methyl Acetate	3.52	43	26912	10.118	ug/l	98
19) Methyl tert-butyl Ether	4.08	73	138049	8.468	ug/l	99
20) Methylene Chloride	3.68	84	73858	11.058	ug/l	92
21) trans-1,2-Dichloroethene	4.06	96	60241	9.179	ug/l	96
22) Diisopropyl ether	4.90	45	193218	8.597	ug/l	97
23) Vinyl Acetate	4.83	43	574405	44.662	ug/l	97
24) 1,1-Dichloroethane	4.77	63	122108	8.994	ug/l	96
25) 2-Butanone	5.85	43	91796	46.309	ug/l	93
26) 2,2-Dichloropropane	5.80	77	119013	8.846	ug/l	92
27) cis-1,2-Dichloroethene	5.80	96	63807	9.409	ug/l	86
28) Bromochloromethane	6.21	49	55168	10.013	ug/l	88
29) Tetrahydrofuran	6.23	42	46933	49.149	ug/l	96
30) Chloroform	6.43	83	135626	8.548	ug/l	95
31) Cyclohexane	6.72	56	90505	9.051	ug/l	92
32) 1,1,1-Trichloroethane	6.63	97	136017	9.109	ug/l	95
36) 1,1-Dichloropropene	6.91	75	101734	9.740	ug/l	99
37) Ethyl Acetate	5.95	43	45409	10.461	ug/l #	91
38) Carbon Tetrachloride	6.87	117	119104	9.253	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	93540	10.045	ug/l	92
40) Benzene	7.22	78	210825	9.900	ug/l	98
41) Methacrylonitrile	6.20	41	24639m	7.600	ug/l	
42) 1,2-Dichloroethane	7.34	62	104628	9.056	ug/l	99
43) Isopropyl Acetate	9.02	43	59979	8.996	ug/l	98
44) Trichloroethene	8.31	130	69991	9.265	ug/l	100
45) 1,2-Dichloropropane	8.71	63	56760	10.271	ug/l	93
46) Dibromomethane	8.83	93	42613	9.427	ug/l	90
47) Bromodichloromethane	9.14	83	104012	9.341	ug/l	95
48) Methyl methacrylate	8.89	41	44201	9.824	ug/l	96
49) 1,4-Dioxane	8.85	88	6391	168.271	ug/l #	48
51) 4-Methyl-2-Pentanone	10.08	43	217522	49.596	ug/l	100
52) Toluene	10.29	92	127068	9.534	ug/l	96
53) t-1,3-Dichloropropene	10.69	75	98030	8.996	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	96715	9.344	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	47900	10.130	ug/l	97
56) Ethyl methacrylate	10.82	69	56463	10.290	ug/l	98
57) 1,3-Dichloropropane	11.19	76	71778	8.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	151332	48.812	ug/l	92
59) 2-Hexanone	11.32	43	161678	49.961	ug/l	99
60) Dibromochloromethane	11.47	129	75181	10.028	ug/l	93
61) 1,2-Dibromoethane	11.60	107	53347	9.948	ug/l	98
64) Tetrachloroethene	11.03	164	62164	9.242	ug/l	98
65) Chlorobenzene	12.19	112	157920	10.259	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.30	131	65934	9.624	ug/l	98
67) Ethyl Benzene	12.31	91	280375	9.775	ug/l	98
68) m/p-Xylenes	12.46	106	201926	21.482	ug/l	99
69) o-Xylene	12.85	106	93647	10.607	ug/l	91
70) Styrene	12.87	104	148719	9.565	ug/l	99
71) Bromoform	13.03	173	47712	9.435	ug/l #	98
73) Isopropylbenzene	13.20	105	286640	10.203	ug/l	99
74) N-amyl acetate	13.06	43	90182	10.133	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.50	83	50924	9.756	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	61234	9.652	ug/l	93
77) Bromobenzene	13.47	156	69338	9.126	ug/l	94
78) n-propylbenzene	13.57	91	353477	10.040	ug/l	99
79) 2-Chlorotoluene	13.63	91	215475	10.551	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	238069	9.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	17210	9.823	ug/l	92
82) 4-Chlorotoluene	13.74	91	252177	10.663	ug/l	98
83) tert-Butylbenzene	13.99	119	259422	10.487	ug/l	92
84) 1,2,4-Trimethylbenzene	14.04	105	238069	9.899	ug/l	99
85) sec-Butylbenzene	14.17	105	293431	9.739	ug/l	98
86) p-Isopropyltoluene	14.29	119	229503	9.257	ug/l	97
87) 1,3-Dichlorobenzene	14.25	146	126608	10.026	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	131683	10.187	ug/l	92
89) n-Butylbenzene	14.60	91	251006	10.769	ug/l	99
90) Hexachloroethane	14.81	117	66095	9.073	ug/l	93
91) 1,2-Dichlorobenzene	14.61	146	113136	10.837	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	11114	8.707	ug/l	94

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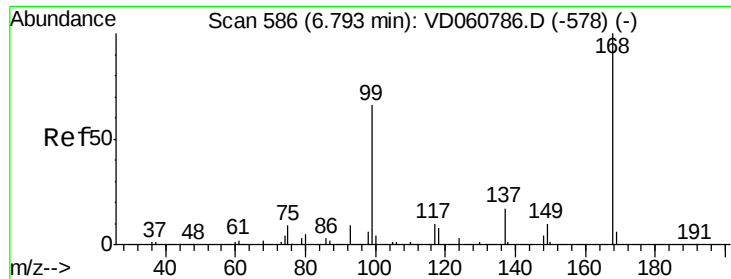
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	93950	9.896	ug/l	99
94) Hexachlorobutadiene	15.84	225	71274	9.937	ug/l	97
95) Naphthalene	15.93	128	150127	10.375	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	80274	9.880	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 691702

Ion Ratio Lower Upper

168 100

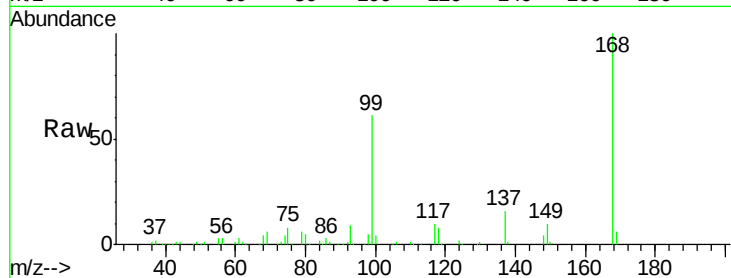
99 60.9 54.6 81.8

Manual Integrations

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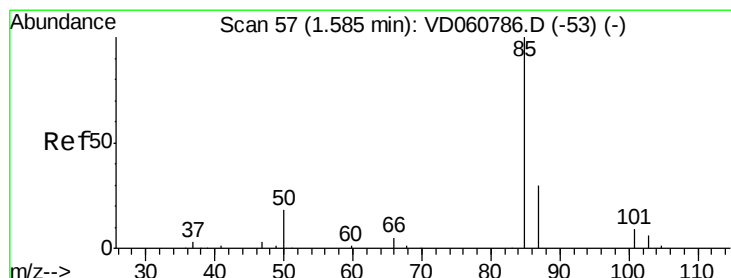
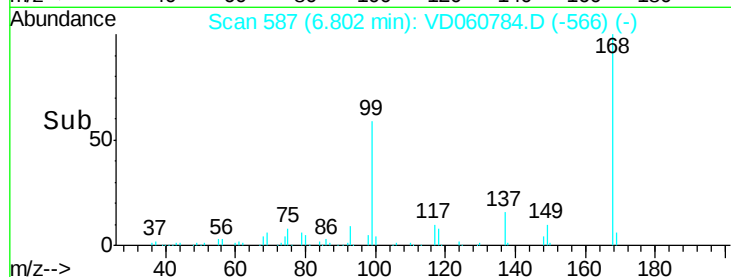
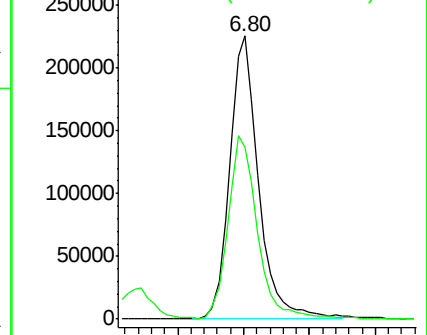
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 7.352 ug/l

RT: 1.59 min Scan# 58

Delta R.T. 0.01 min

Lab File: VD060784.D

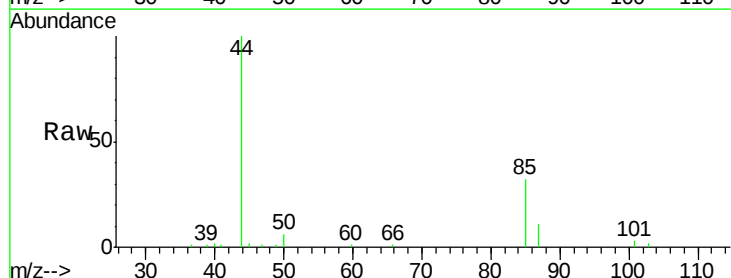
Acq: 23 Jan 2019 16:09

Tgt Ion: 85 Resp: 64375

Ion Ratio Lower Upper

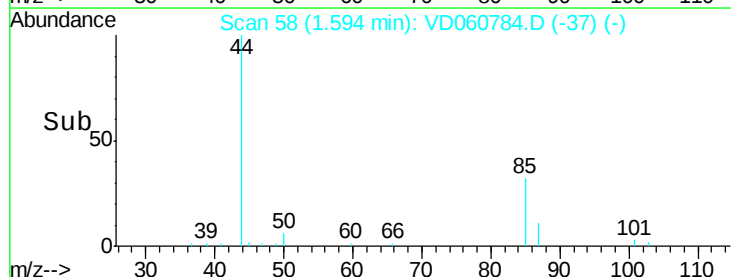
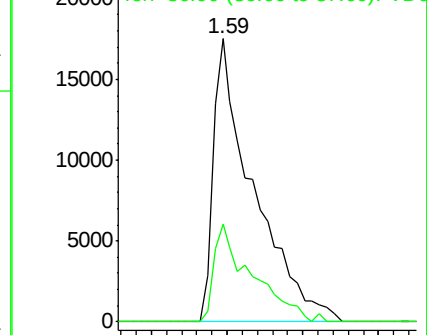
85 100

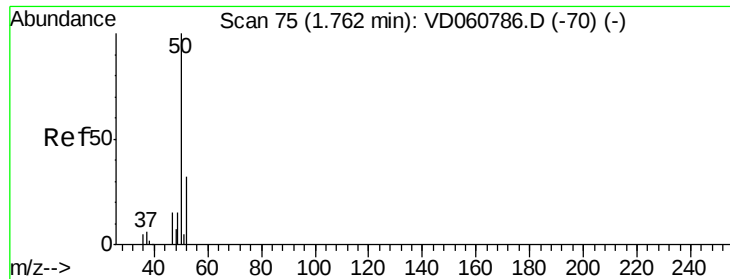
87 34.6 14.9 44.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.655 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 44280

Ion Ratio Lower Upper

50 100

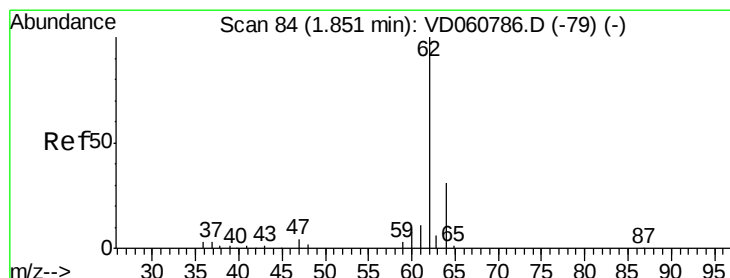
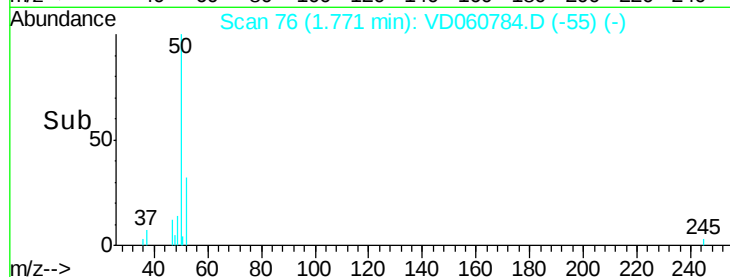
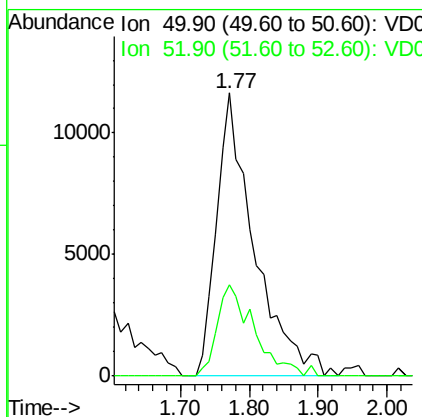
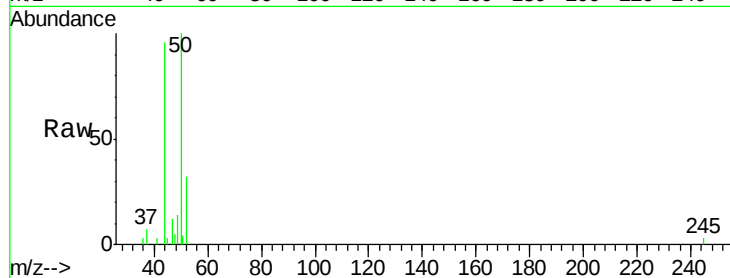
52 32.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 8.058 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD060784.D

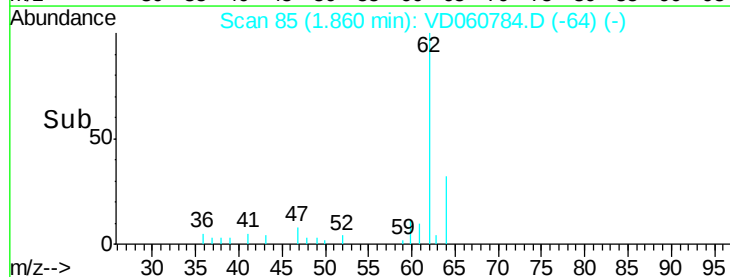
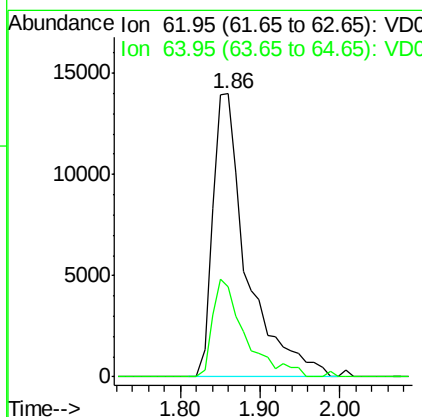
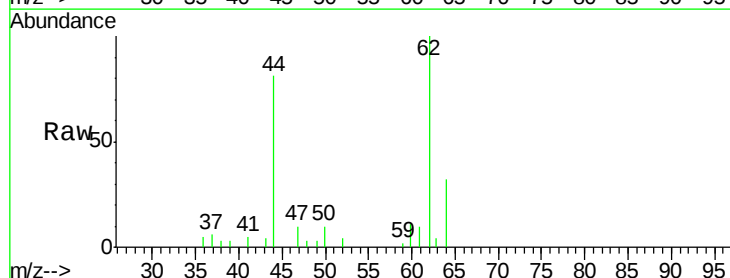
Acq: 23 Jan 2019 16:09

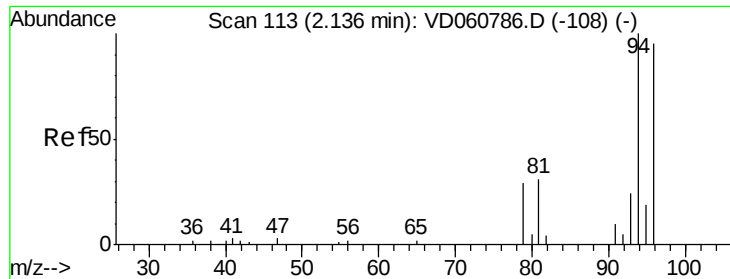
Tgt Ion: 62 Resp: 41849

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 7.559 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 94 Resp: 11490

Ion Ratio Lower Upper

94 100

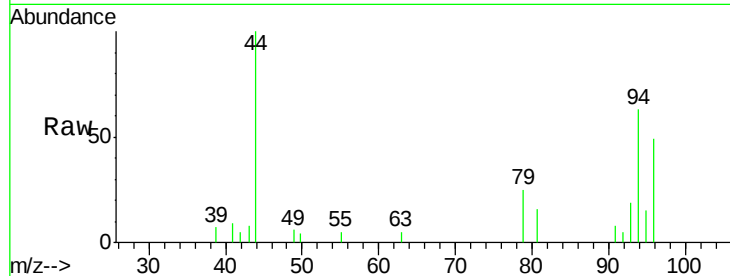
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Manual Integrations

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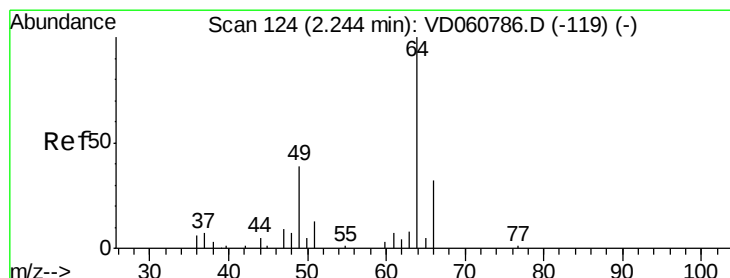
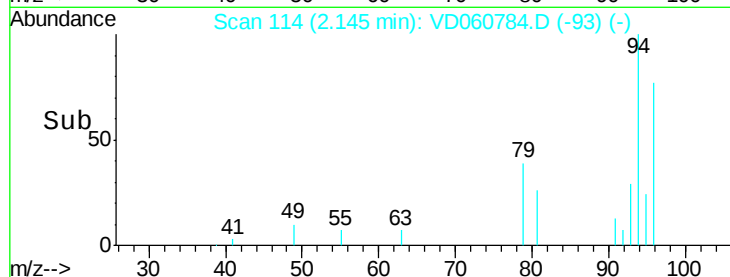
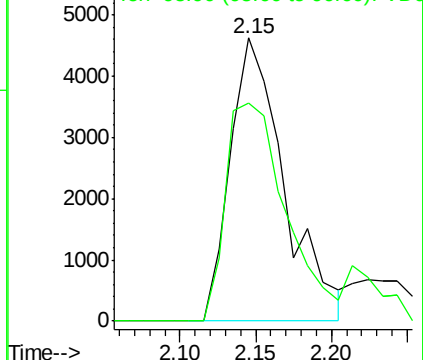
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 7.354 ug/l

RT: 2.25 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD060784.D

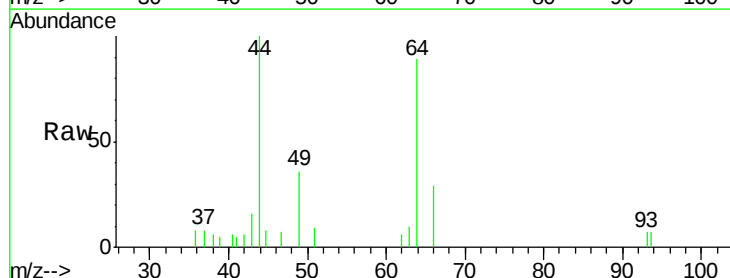
Acq: 23 Jan 2019 16:09

Tgt Ion: 64 Resp: 13690

Ion Ratio Lower Upper

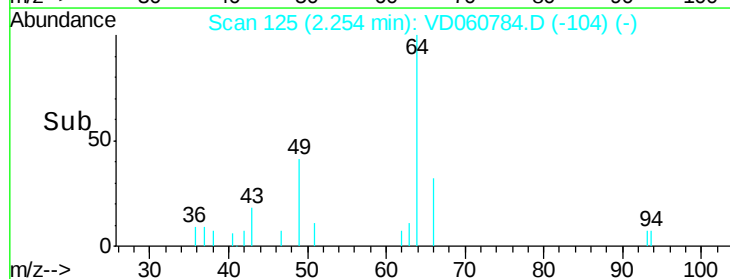
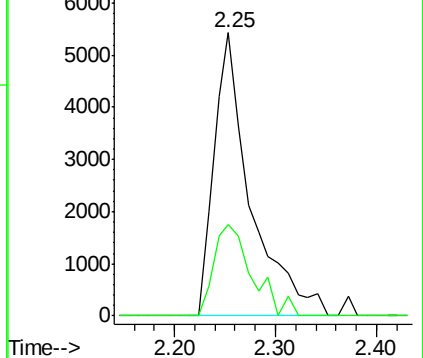
64 100

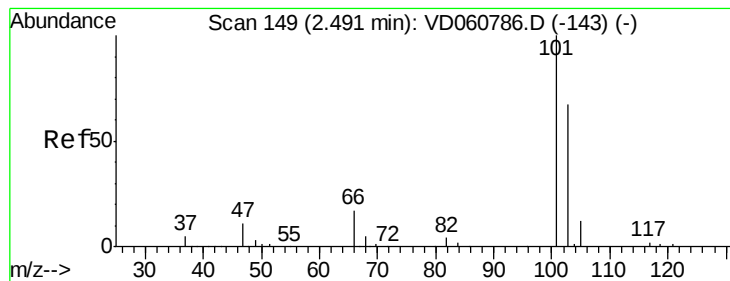
66 32.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

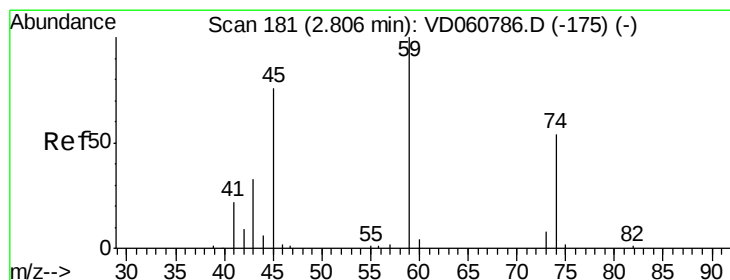
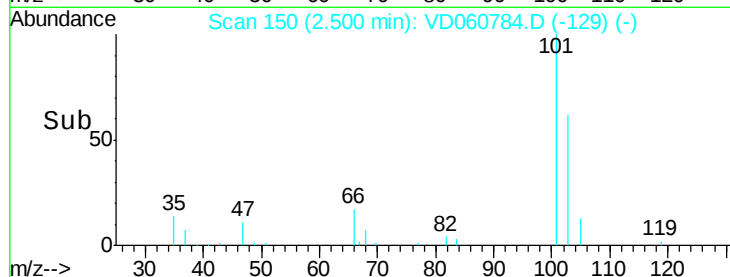
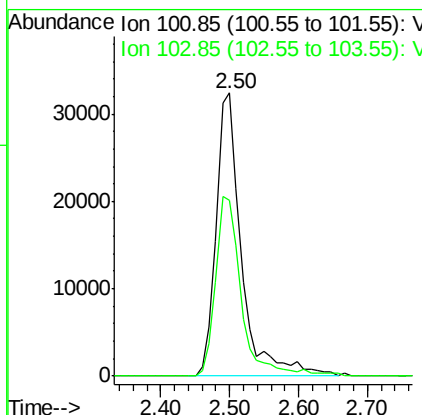
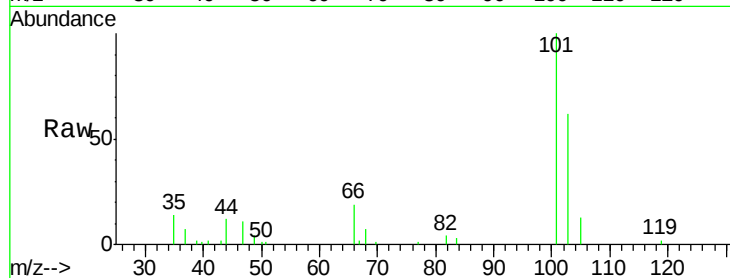
Trichlorofluoromethane
 Concen: 8.258 ug/l
 RT: 2.50 min Scan# 150
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	53.6	80.4

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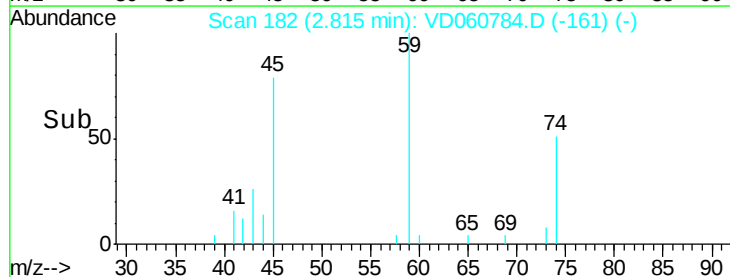
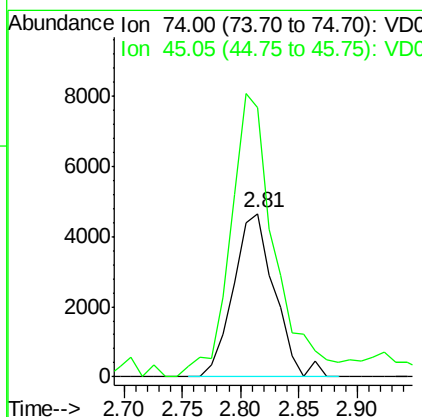
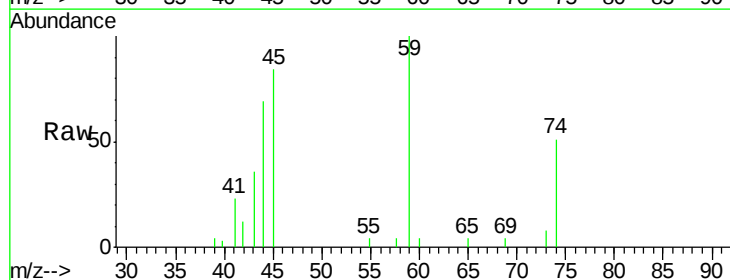
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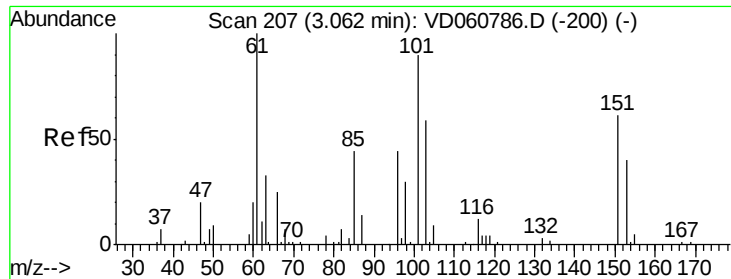


#8

Diethyl Ether
 Concen: 9.598 ug/l
 RT: 2.81 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	165.4	70.5	211.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.842 ug/l

RT: 3.07 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

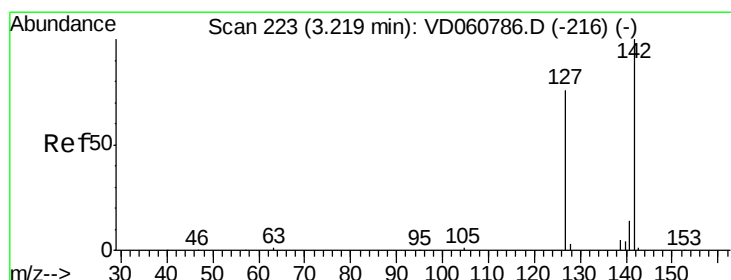
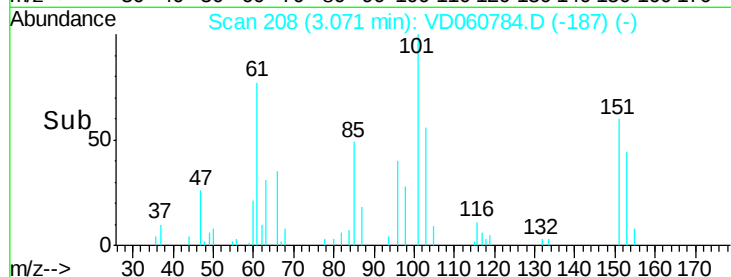
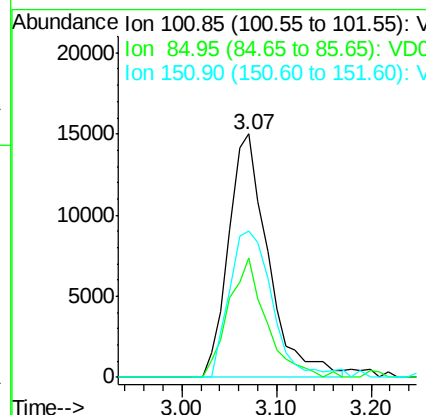
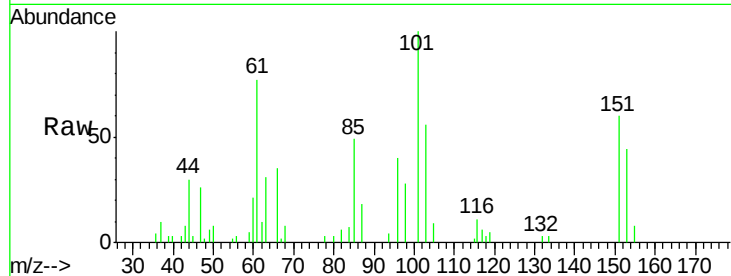
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	43676
Ion Ratio	Lower	Upper	
101	100		
85	49.1	39.0	58.4
151	60.0	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 7.403 ug/l

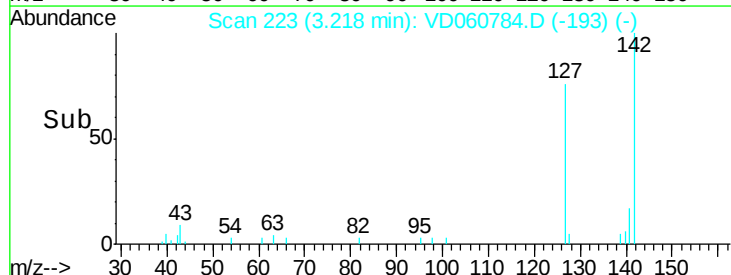
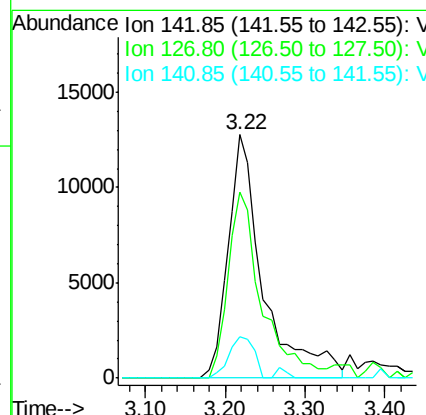
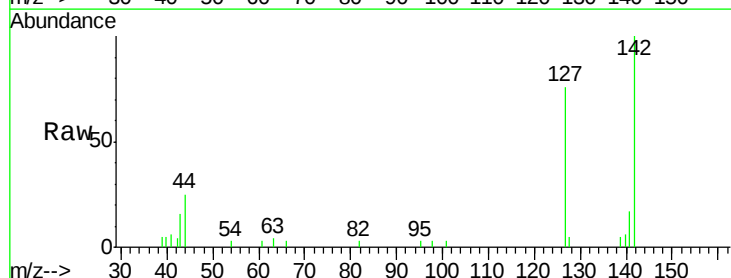
RT: 3.22 min Scan# 223

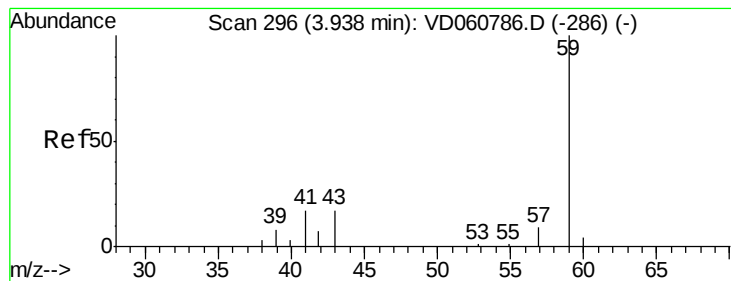
Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion:	142	Resp:	39369
Ion Ratio	Lower	Upper	
142	100		
127	76.4	61.0	91.6
141	16.9	11.5	17.3





#11

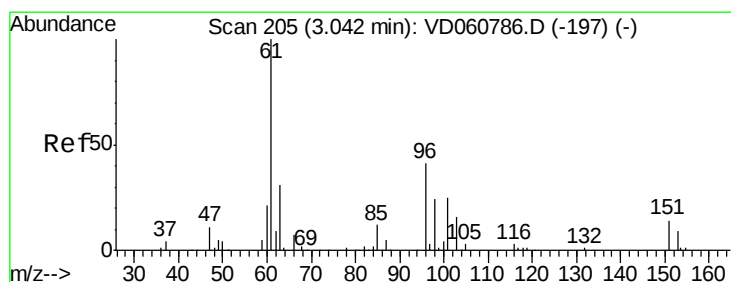
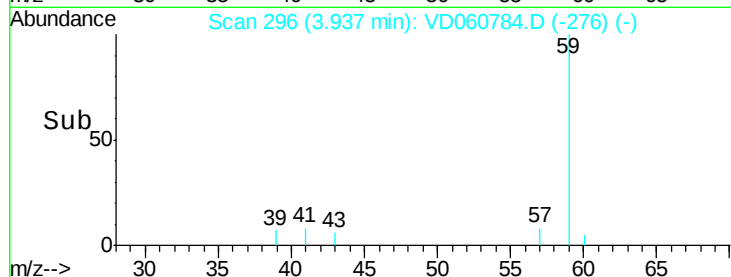
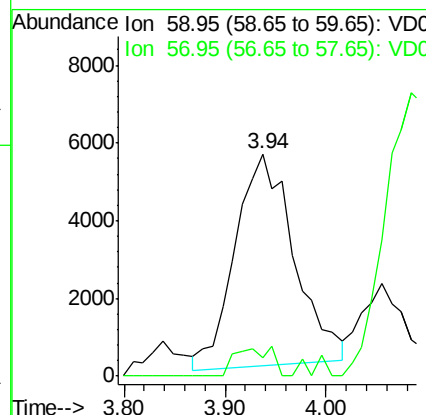
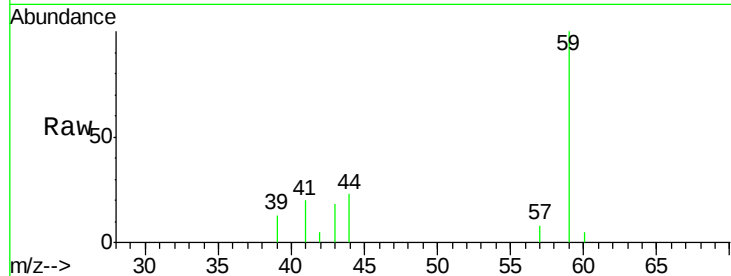
Tert butyl alcohol
 Concen: 42.301 ug/l
 RT: 3.94 min Scan# 296
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.0	10.6

Manual Integrations
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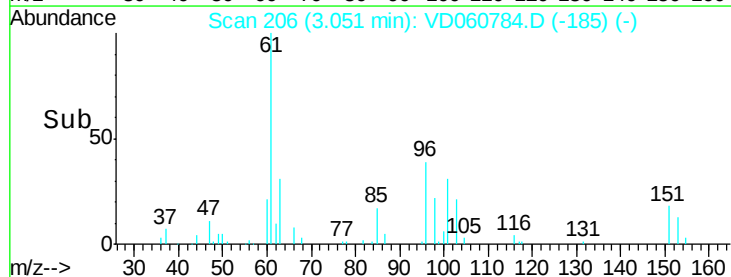
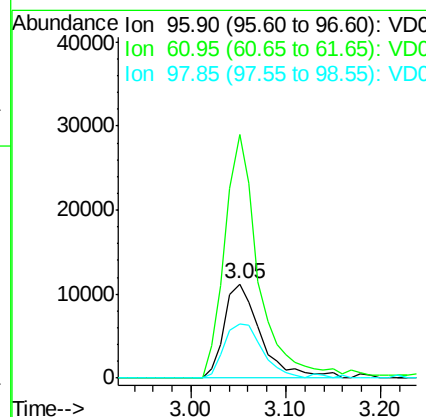
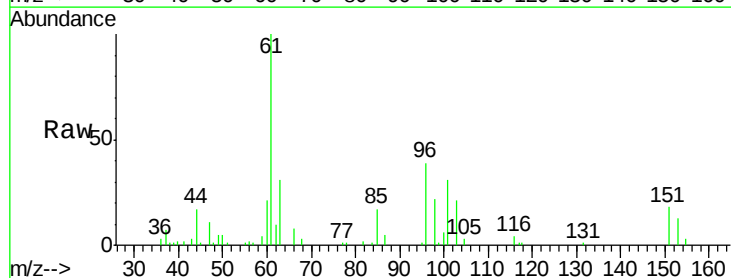
MMDadoda
 1/24/2019 12:49:05 PM

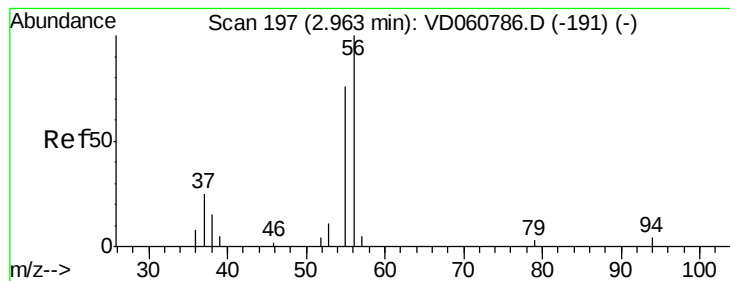


#12

1,1-Dichloroethene
 Concen: 8.735 ug/l
 RT: 3.05 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	258.9	196.9	295.3
98	57.8	46.6	69.8





#13

Acrolein

Concen: 64.465 ug/l m

RT: 2.95 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 12669

Ion Ratio Lower Upper

56 100

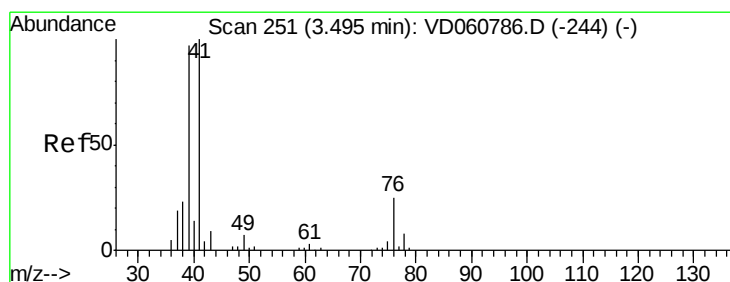
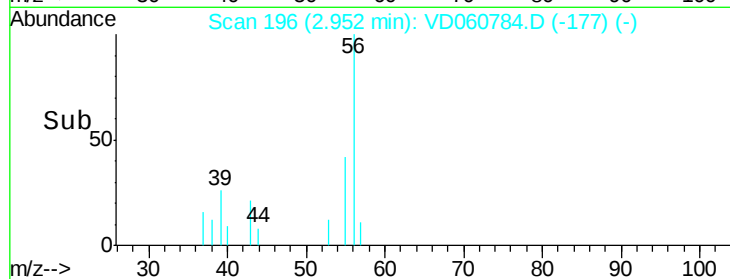
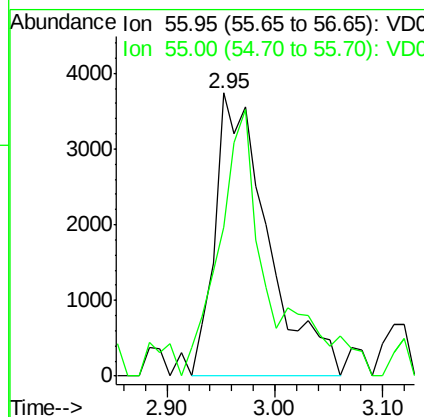
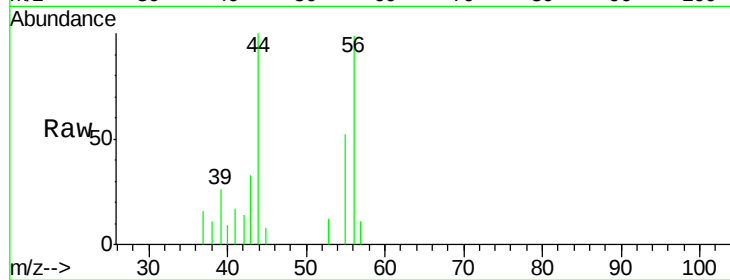
55 52.6 62.2 93.4#

Manual Integrations

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#14

Allyl chloride

Concen: 9.036 ug/l

RT: 3.50 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

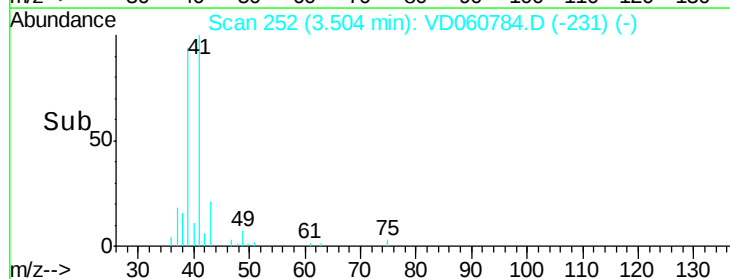
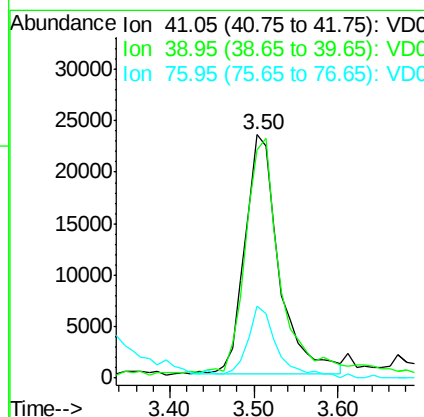
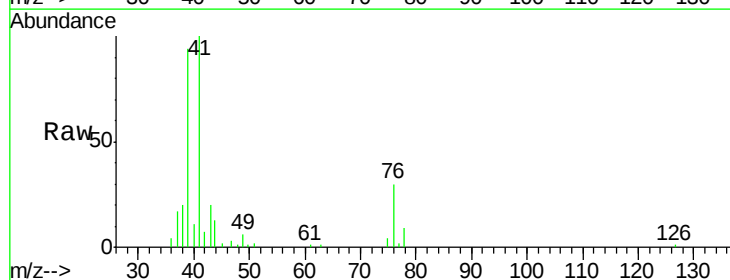
Tgt Ion: 41 Resp: 66138

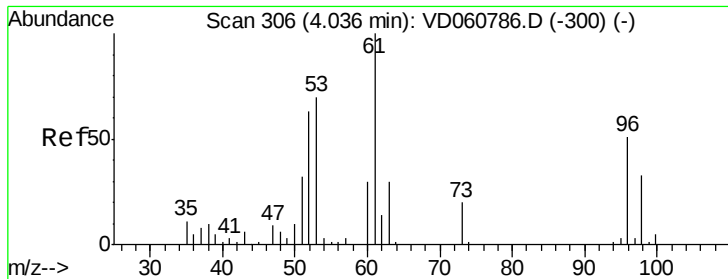
Ion Ratio Lower Upper

41 100

39 93.9 77.7 116.5

76 29.6 21.8 32.8





#15

Acrylonitrile

Concen: 47.614 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.02 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

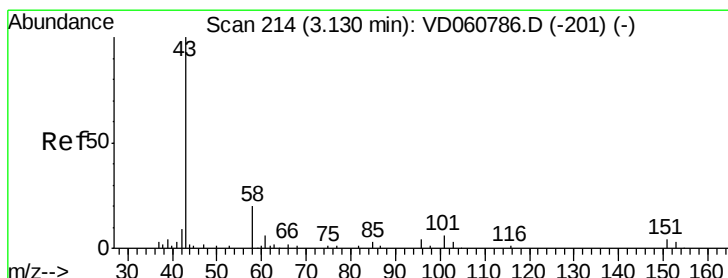
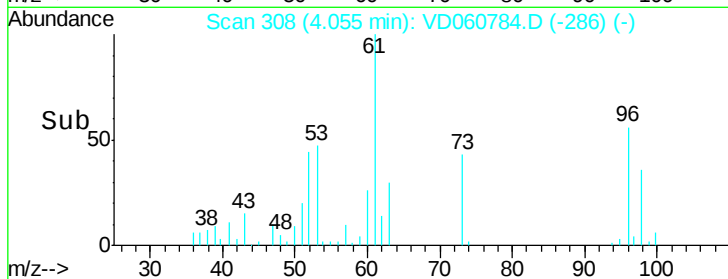
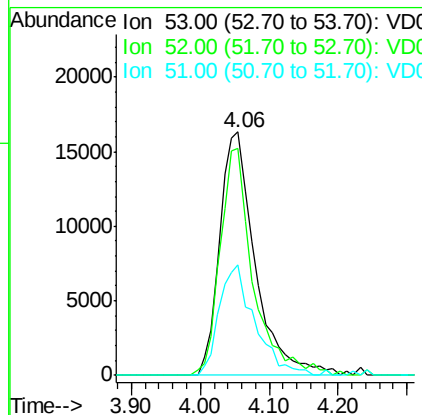
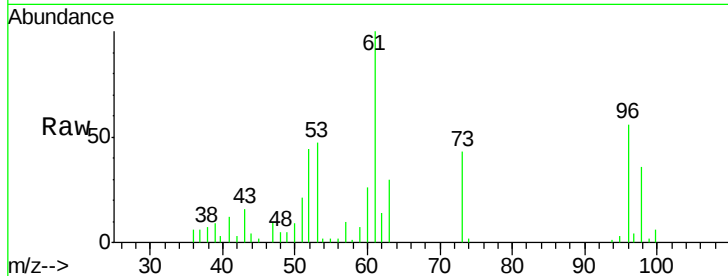
ClientSampleID :

VSTDIC010

Tot Ion	53	Resp	58299
Ion Ratio	Lower	Upper	
53	100		
52	93.4	71.6	107.4
51	45.2	36.0	54.0

Manual Integrations
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#16

Acetone

Concen: 48.547 ug/l

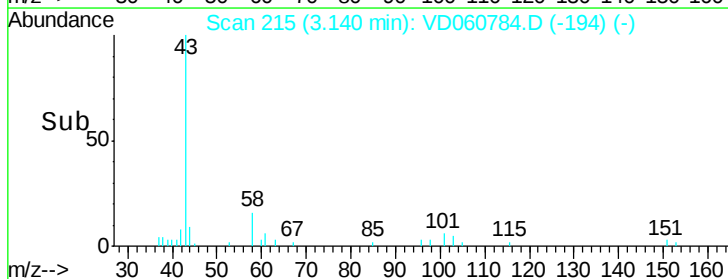
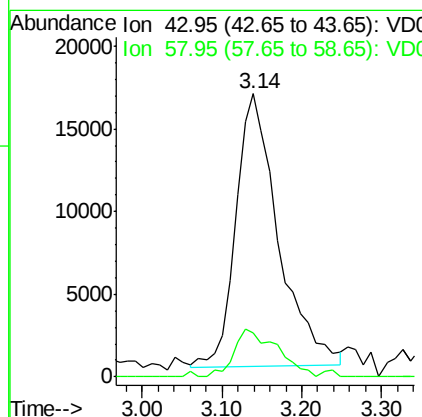
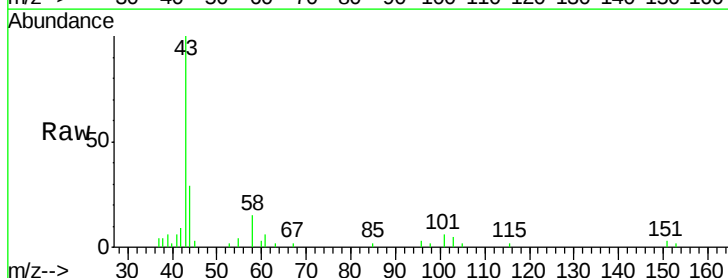
RT: 3.14 min Scan# 215

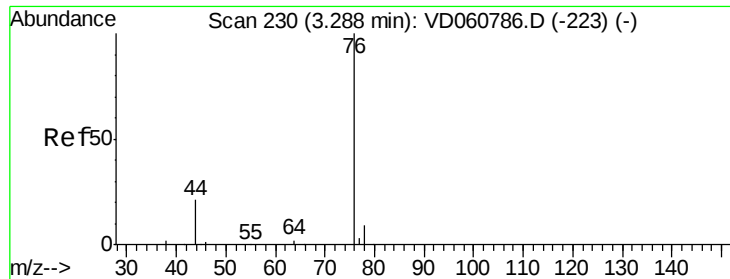
Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion	43	Resp	61356
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
43	100		
58	15.5	16.0	24.0#





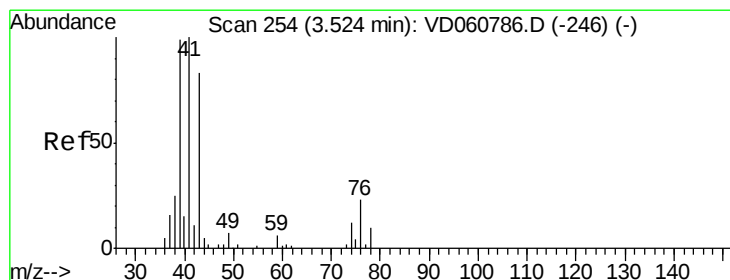
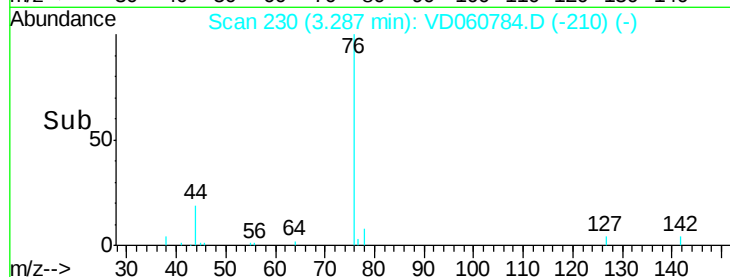
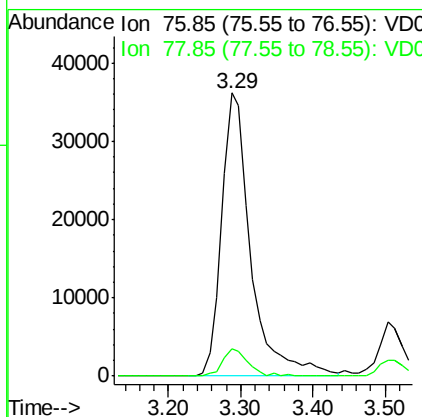
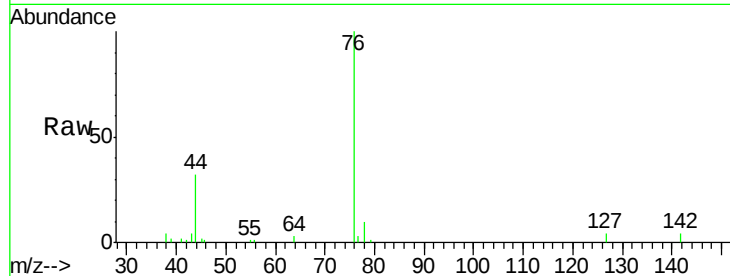
#17
Carbon Disulfide
Concen: 8.902 ug/l
RT: 3.29 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 101066
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

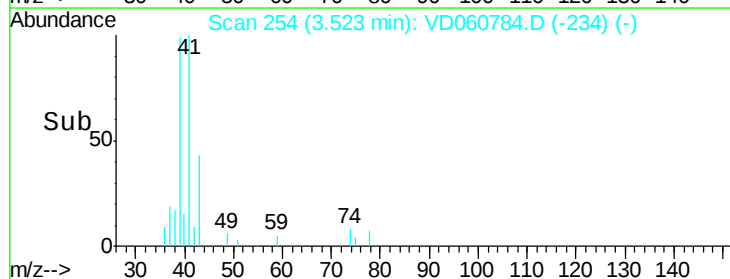
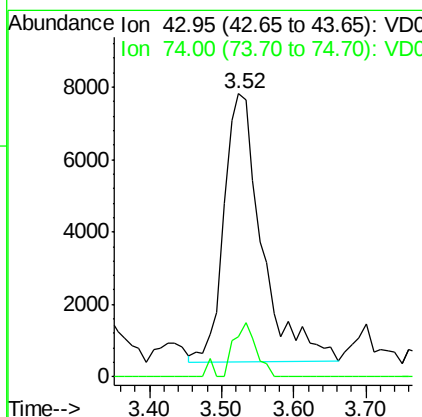
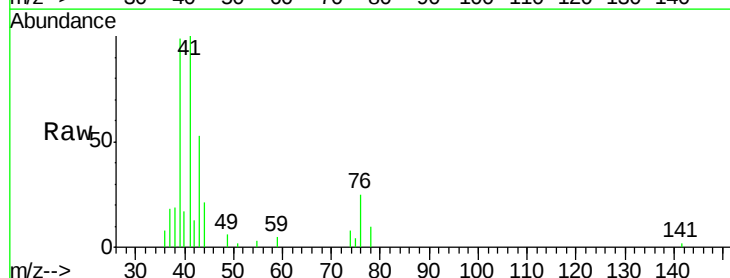
Manual Integrations
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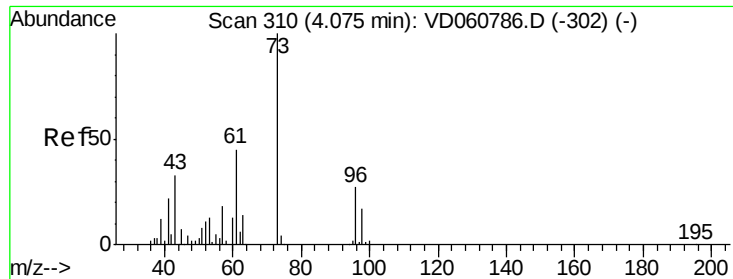
MMDadoda
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#18
Methyl Acetate
Concen: 10.118 ug/l
RT: 3.52 min Scan# 254
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion: 43 Resp: 26912
Ion Ratio Lower Upper
43 100
74 14.3 10.8 16.2





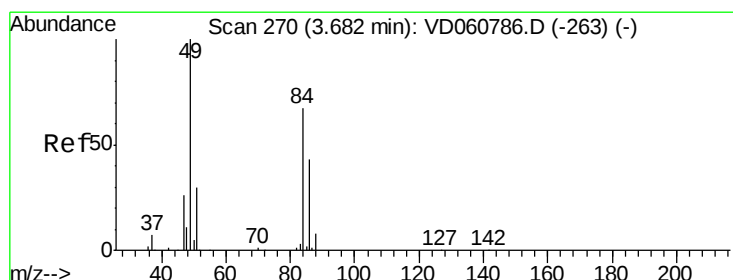
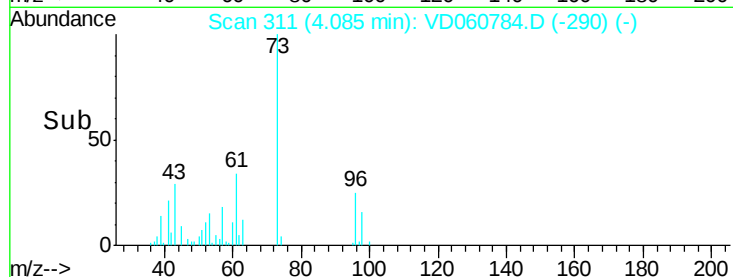
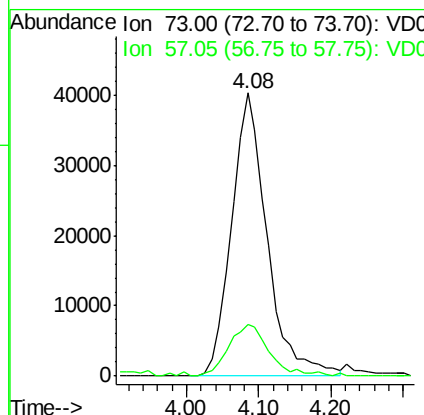
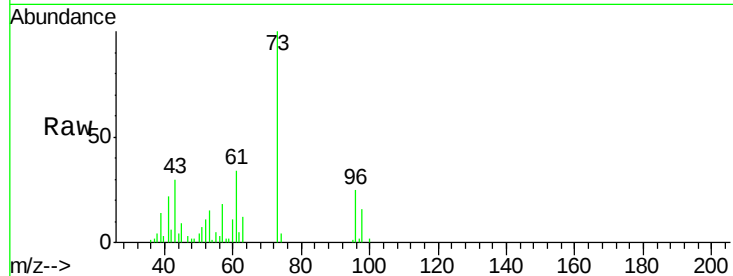
#19
Methyl tert-butyl Ether
Concen: 8.468 ug/l
RT: 4.08 min Scan# 311
Delta R.T. 0.01 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 138049
Ion Ratio Lower Upper
73 100
57 18.1 14.7 22.1

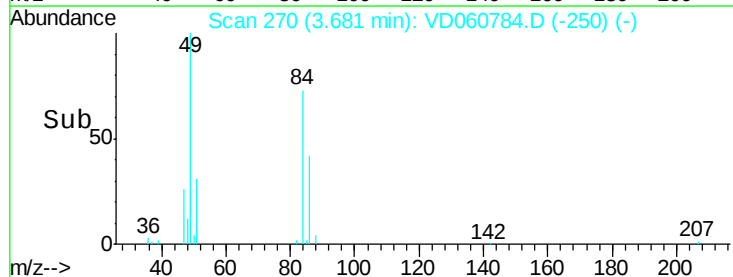
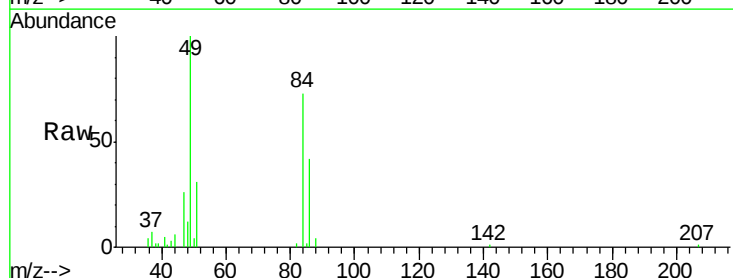
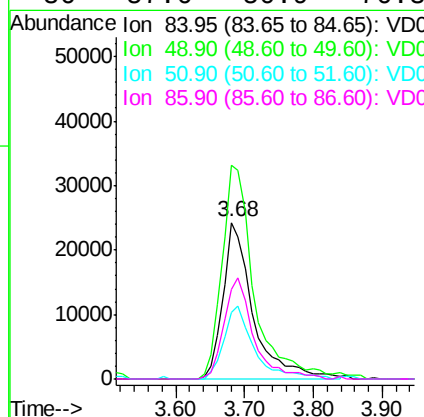
Manual Integrations
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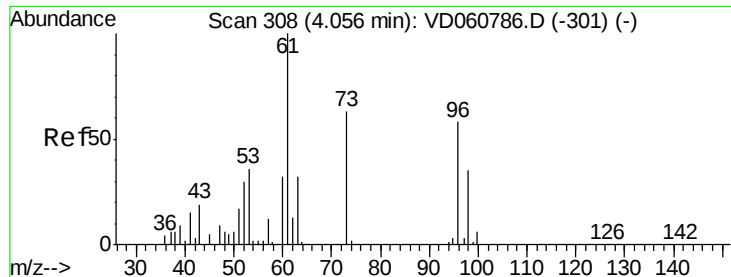
MMDadoda
1/24/2019 12:49:05 PM



#20
Methylene Chloride
Concen: 11.058 ug/l
RT: 3.68 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion: 84 Resp: 73858
Ion Ratio Lower Upper
84 100
49 136.7 119.6 179.4
51 42.5 36.2 54.4
86 57.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 9.179 ug/l

RT: 4.06 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

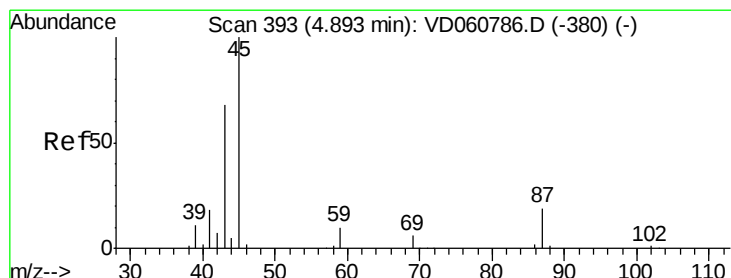
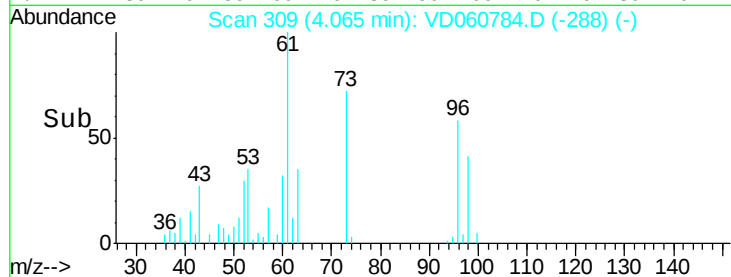
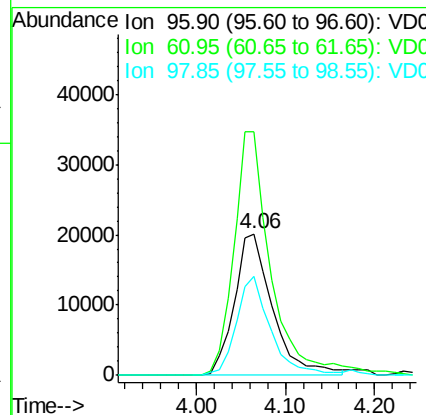
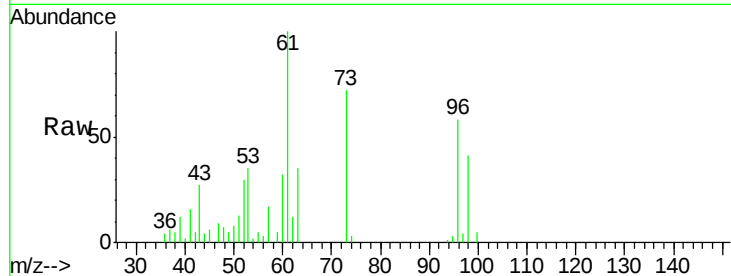
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	60241
Ion Ratio	Lower	Upper	
96	100		
61	171.7	138.8	208.2
98	69.7	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 8.597 ug/l

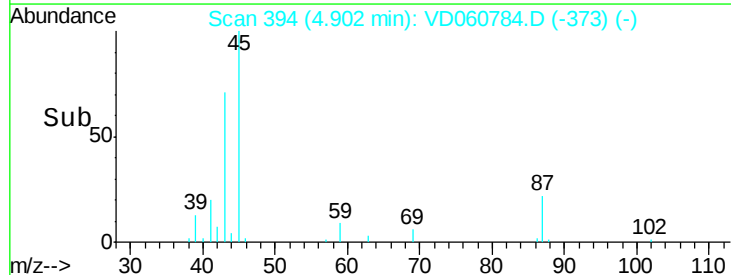
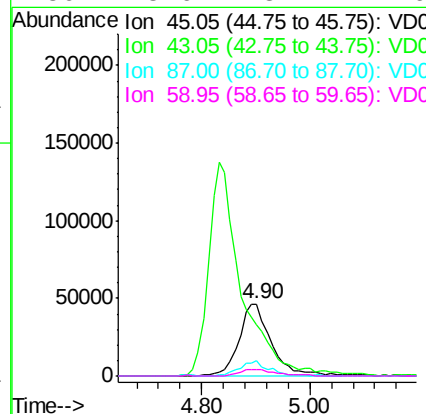
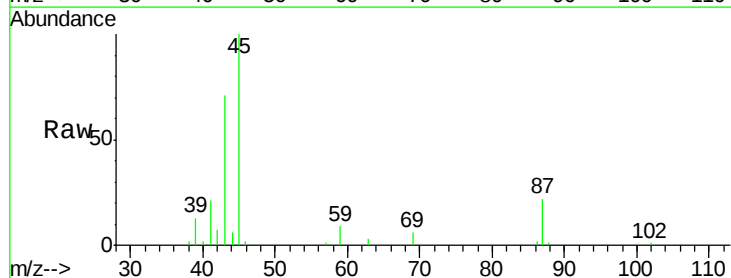
RT: 4.90 min Scan# 394

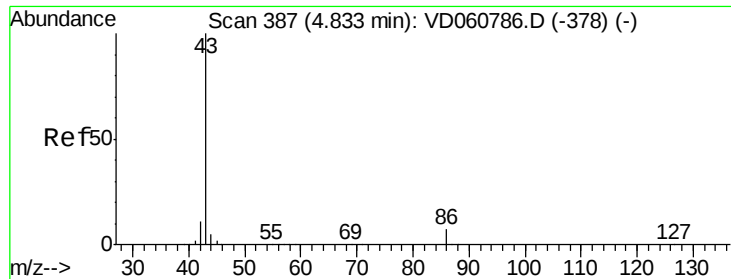
Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion:	45	Resp:	193218
Ion Ratio	Lower	Upper	
45	100		
43	70.5	54.8	82.2
87	22.0	15.5	23.3
59	8.6	8.4	12.6





#23

Vinyl Acetate

Concen: 44.662 ug/l

RT: 4.83 min Scan# 387

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 574405

Ion Ratio Lower Upper

43 100

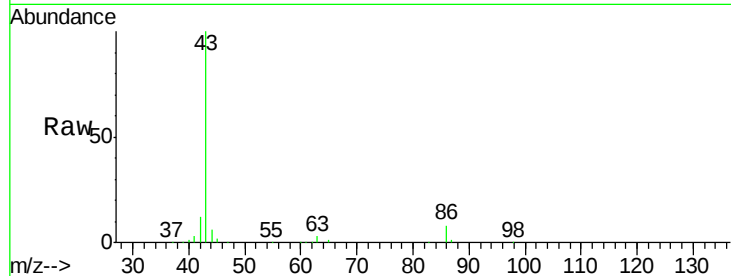
86 7.8 5.3 7.9

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.83

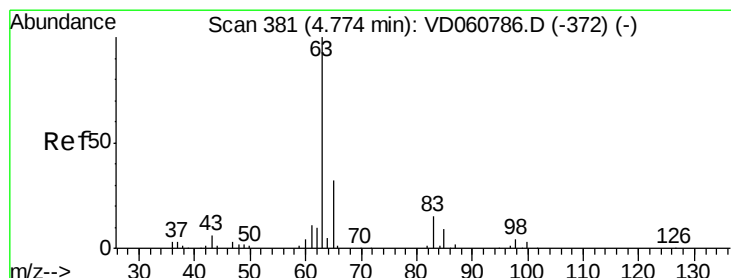
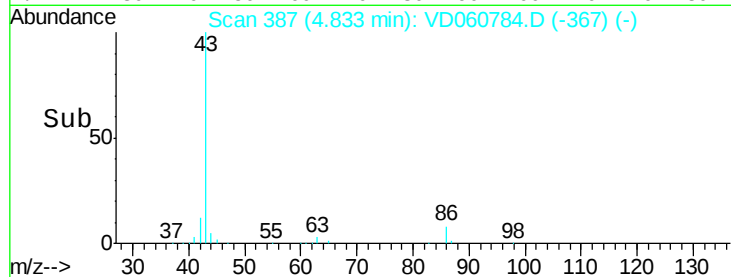
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 8.994 ug/l

RT: 4.77 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

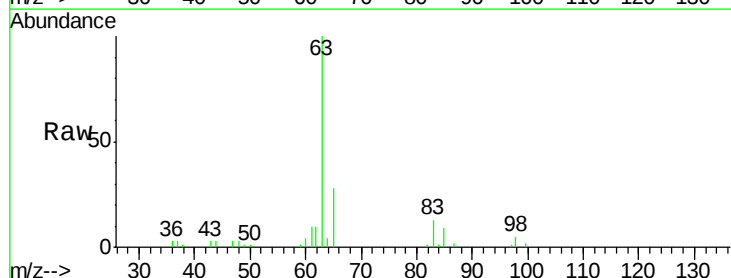
Tgt Ion: 63 Resp: 122108

Ion Ratio Lower Upper

63 100

98 5.3 1.9 5.7

100 2.0 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.77

50000

40000

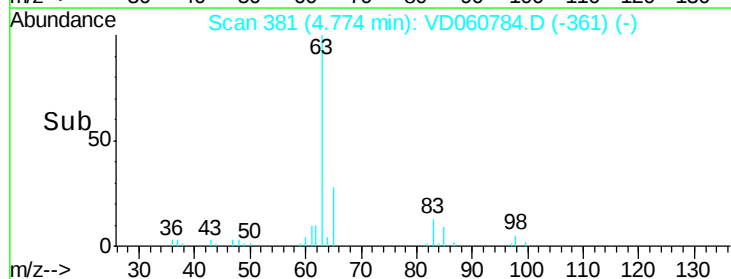
30000

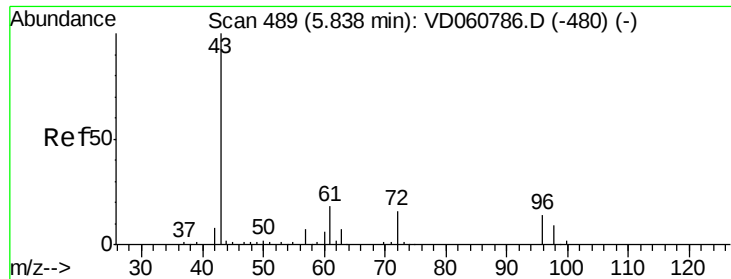
20000

10000

0

Time-->





#25

2-Butanone

Concen: 46.309 ug/l

RT: 5.85 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 91796

Ion Ratio Lower Upper

43 100

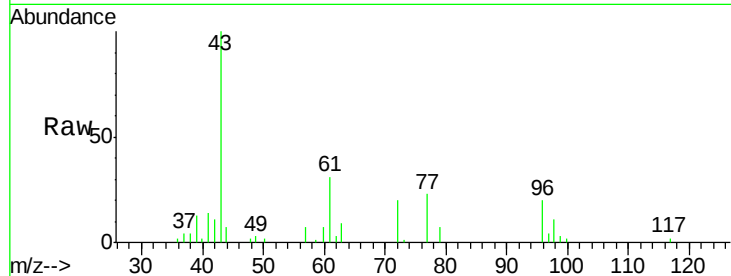
72 19.6 13.1 19.7

Manual Integrations

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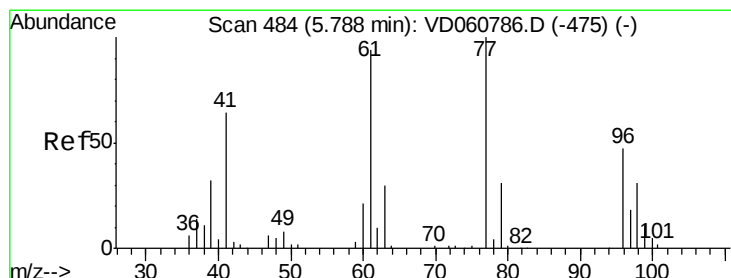
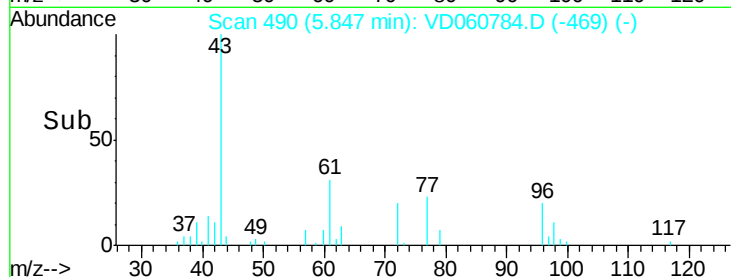
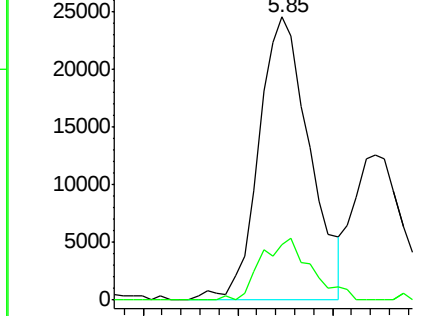
MMDadoda

1/24/2019 12:49:05 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 8.846 ug/l

RT: 5.80 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD060784.D

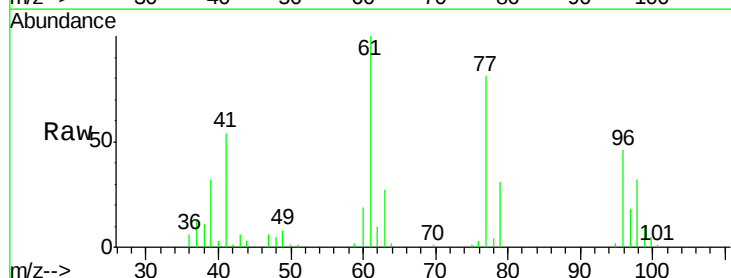
Acq: 23 Jan 2019 16:09

Tgt Ion: 77 Resp: 119013

Ion Ratio Lower Upper

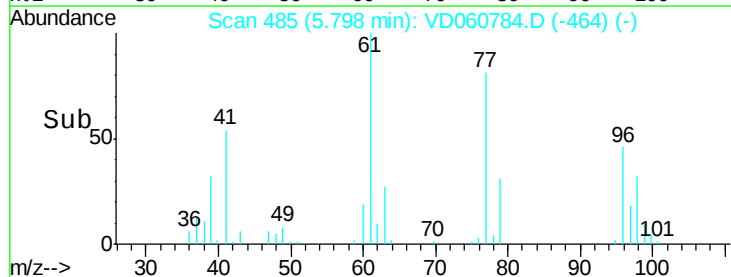
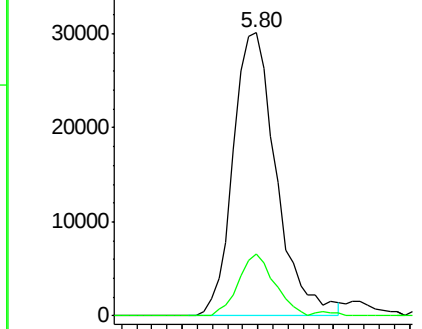
77 100

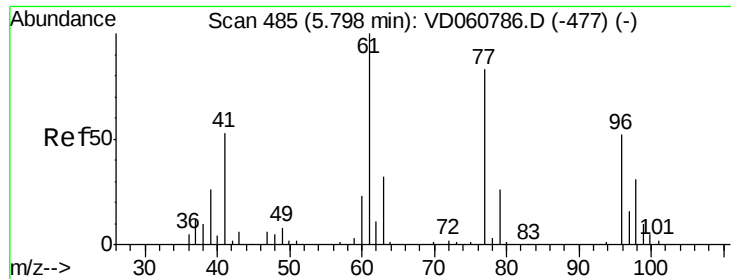
97 21.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





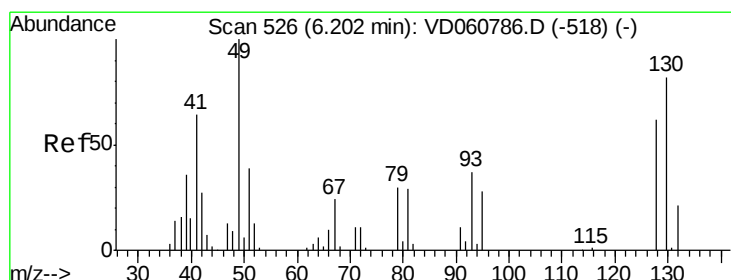
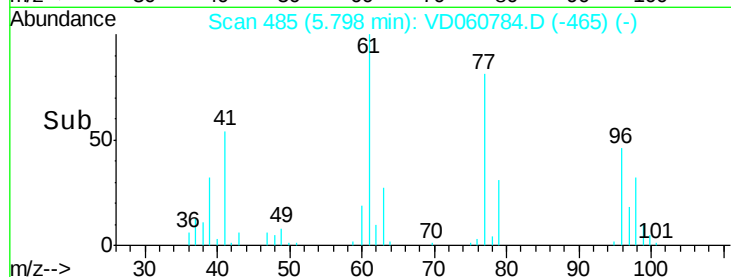
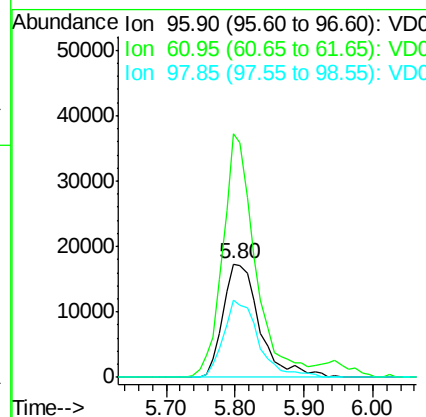
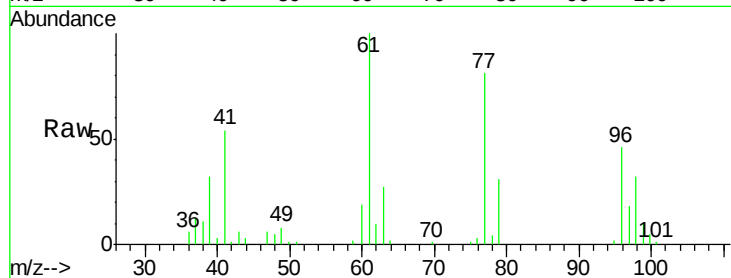
#27
 cis-1,2-Dichloroethene
 Concen: 9.409 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	215.3	0.0	385.2
98	67.9	0.0	120.6

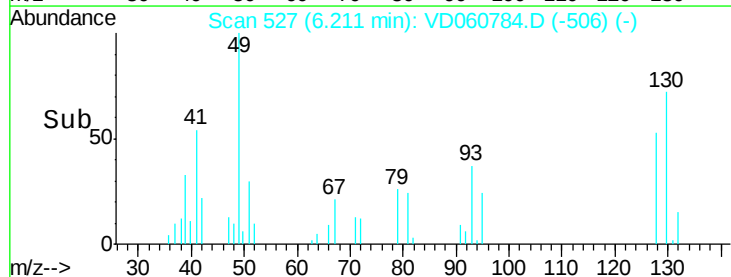
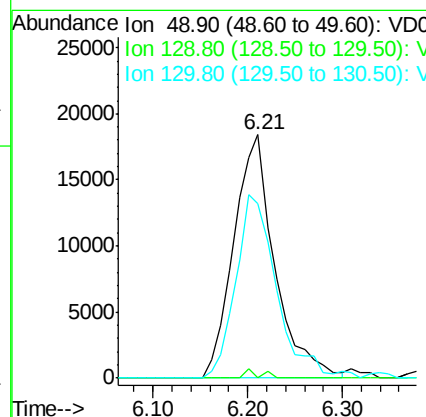
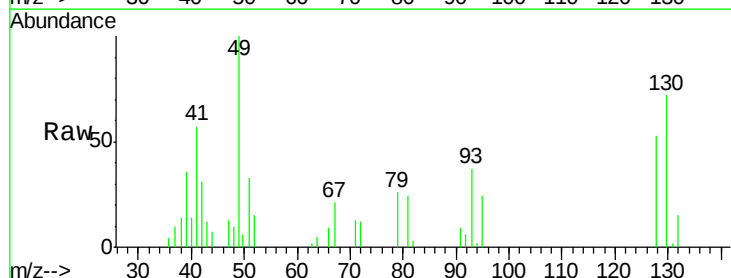
Manual Integrations
 APPROVED

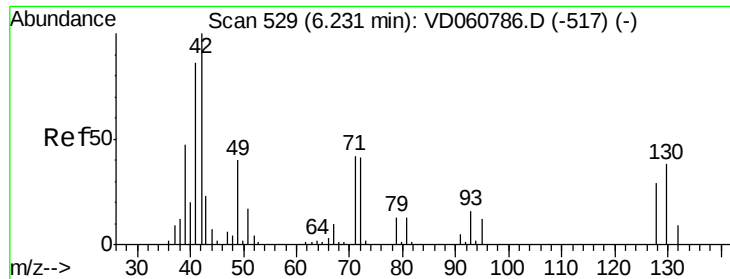
MMDadoda
 1/24/2019 12:49:05 PM



#28
 Bromochloromethane
 Concen: 10.013 ug/l
 RT: 6.21 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	71.5	65.4	98.2





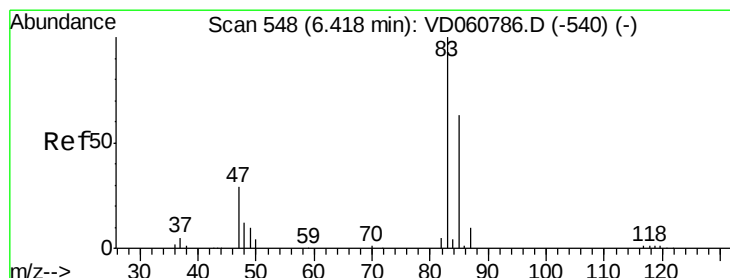
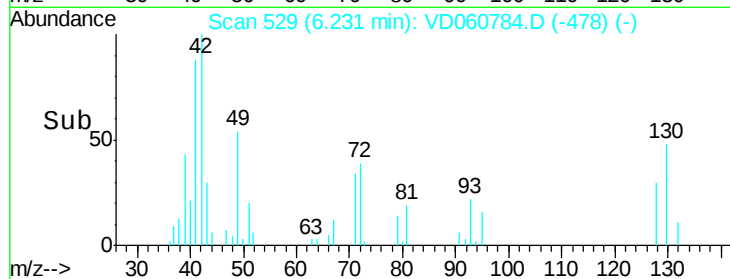
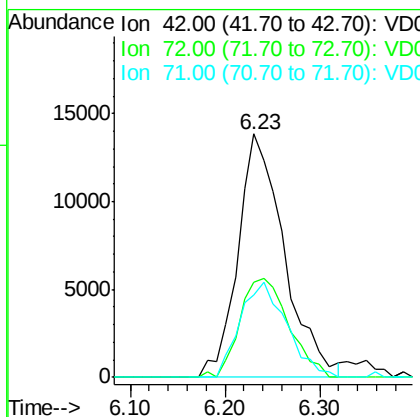
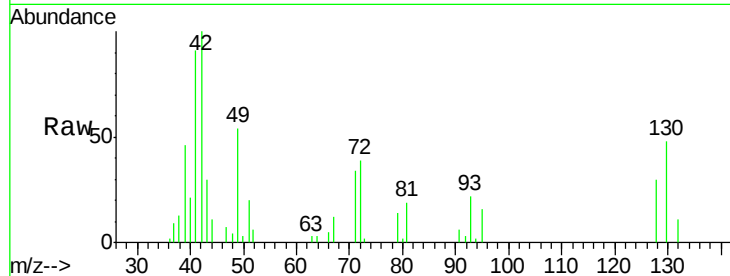
#29
Tetrahydrofuran
Concen: 49.149 ug/l
RT: 6.23 min Scan# 529
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.6	50.4
71	39.4	34.6	51.8

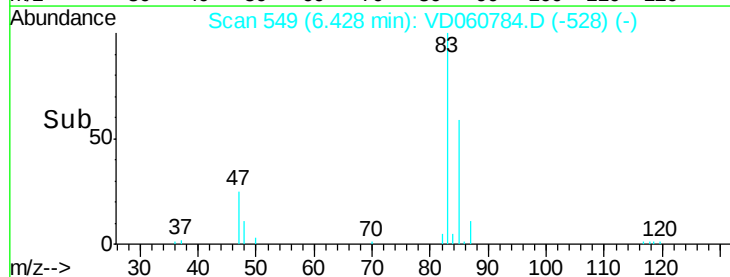
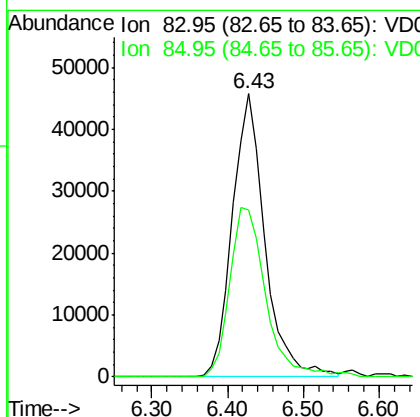
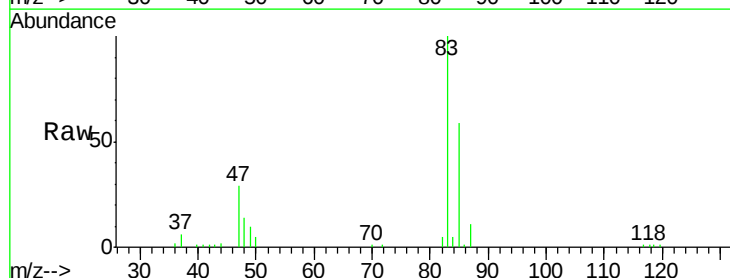
Manual Integrations
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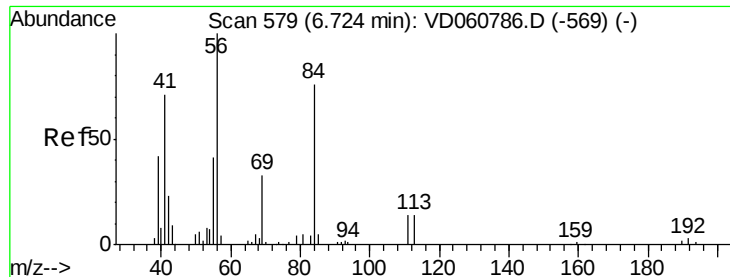
MMDadoda
1/24/2019 12:49:05 PM



#30
Chloroform
Concen: 8.548 ug/l
RT: 6.43 min Scan# 549
Delta R.T. 0.01 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.0	50.3	75.5





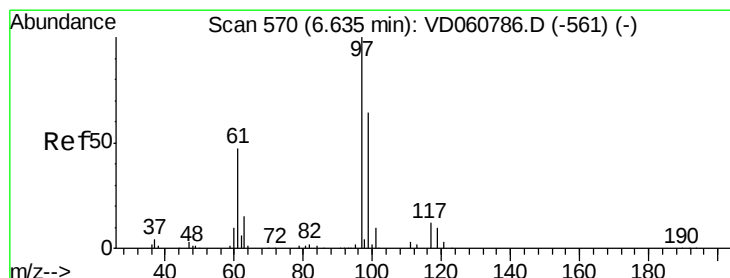
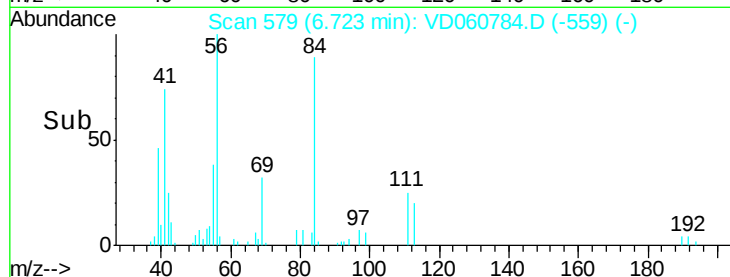
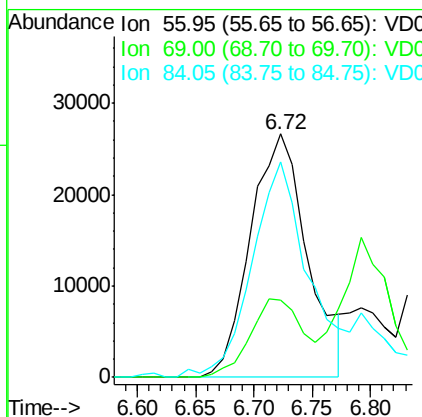
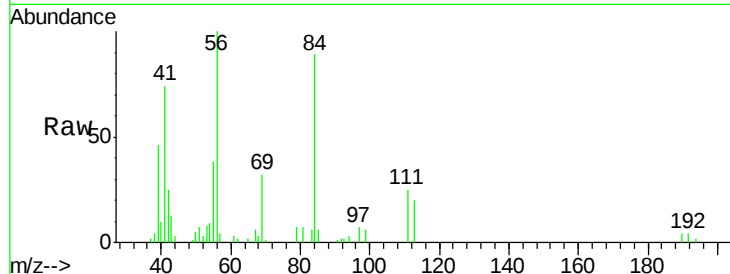
#31
Cyclohexane
Concen: 9.051 ug/l
RT: 6.72 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.2	39.2
84	88.6	63.0	94.6

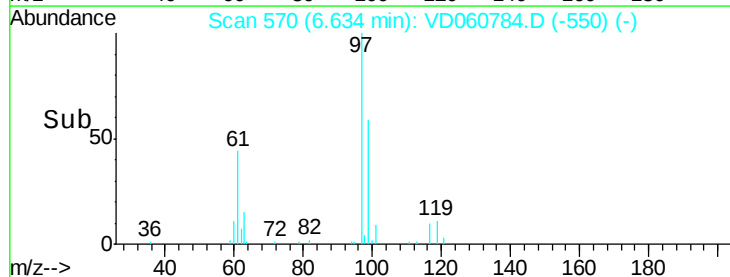
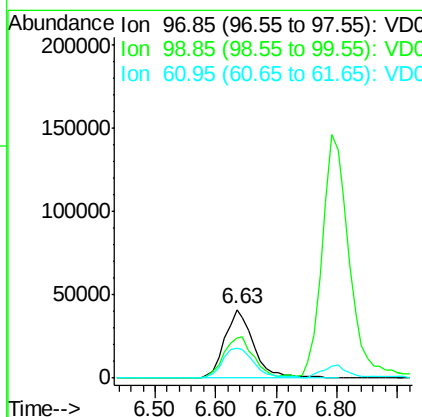
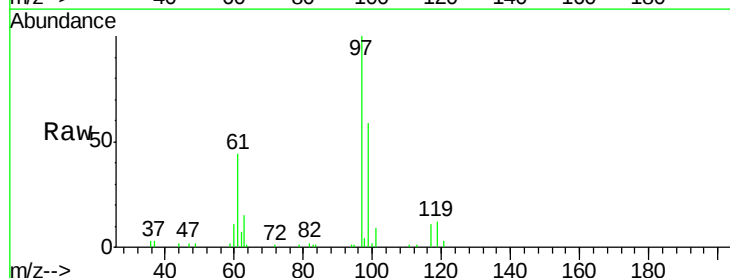
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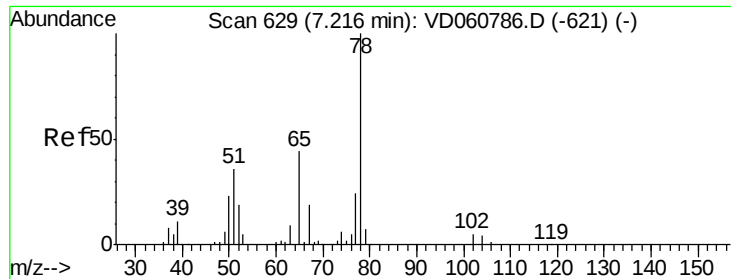
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 9.109 ug/l
RT: 6.63 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.1	50.8	76.2
61	43.6	37.7	56.5





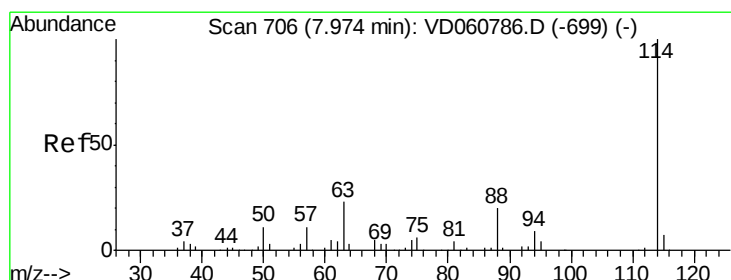
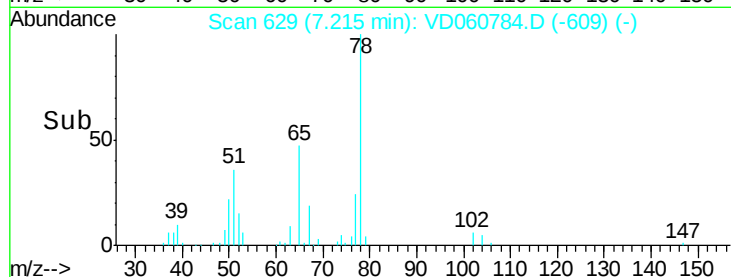
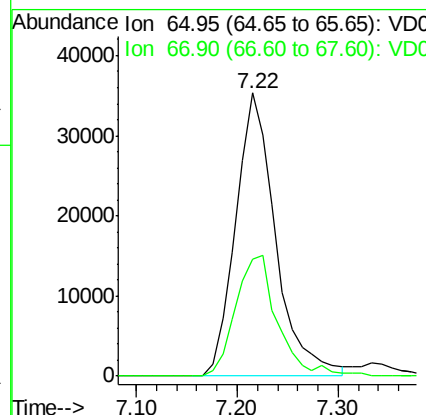
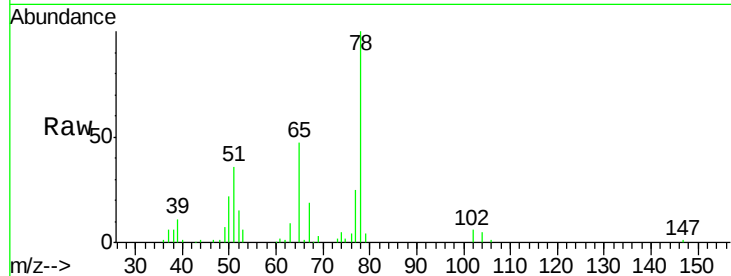
#33
 1,2-Dichloroethane-d4
 Concen: 9.109 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.5	0.0	86.0

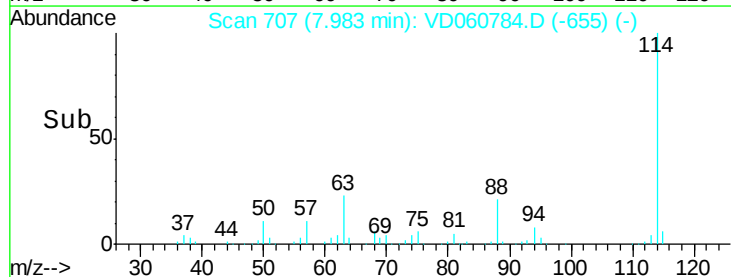
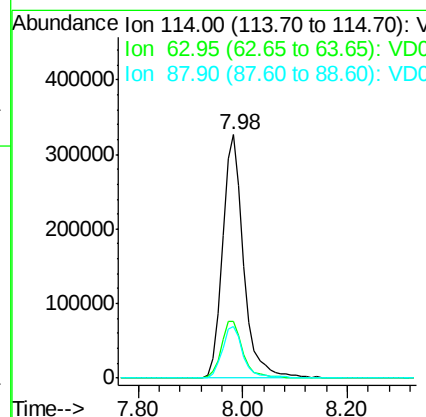
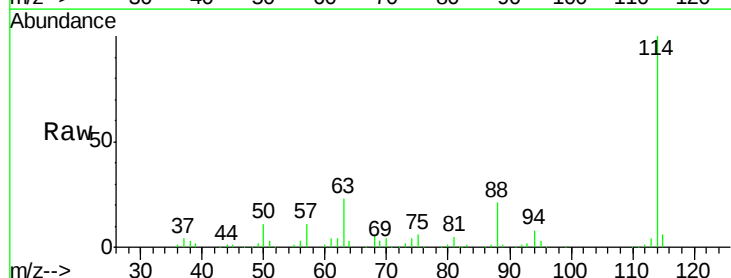
Manual Integrations
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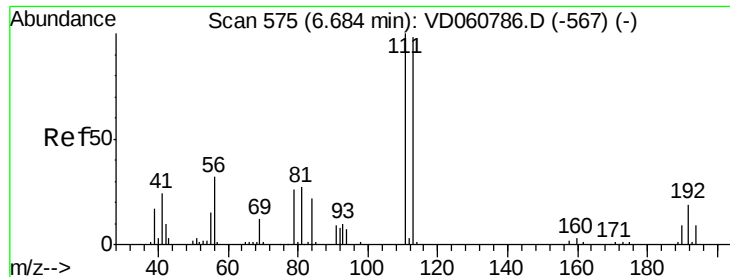
MMDadoda
 1/24/2019 12:49:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.4
88	21.2	0.0	39.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 575

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:113 Resp: 88671

Ion Ratio Lower Upper

113 100

111 105.9 81.4 122.0

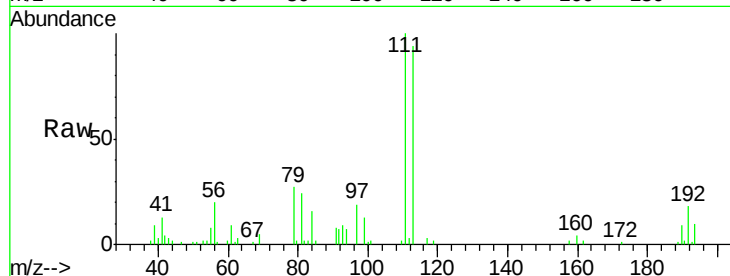
192 19.2 15.3 22.9

Manual Integrations

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MMDadoda

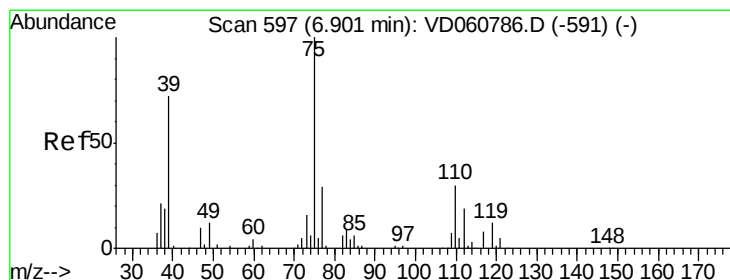
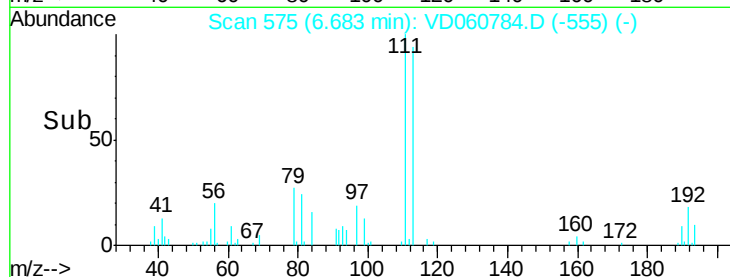
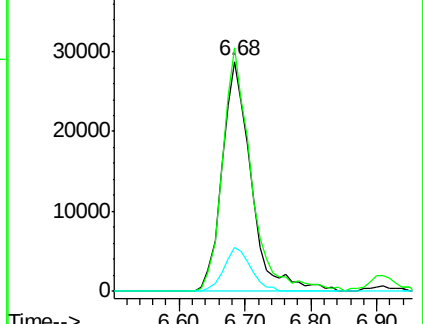
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 9.740 ug/l

RT: 6.91 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

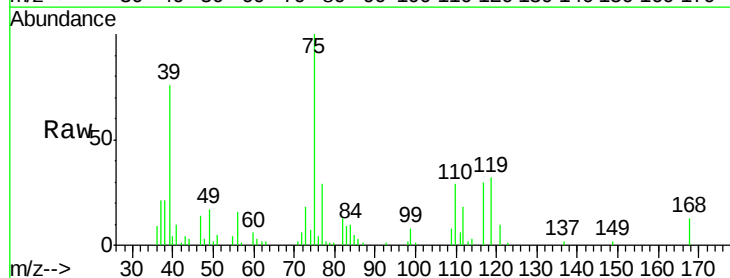
Tgt Ion: 75 Resp: 101734

Ion Ratio Lower Upper

75 100

110 29.2 14.8 44.3

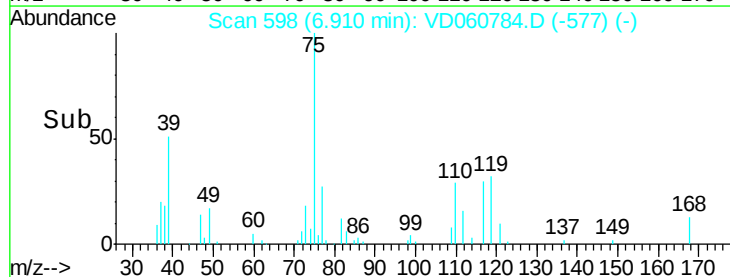
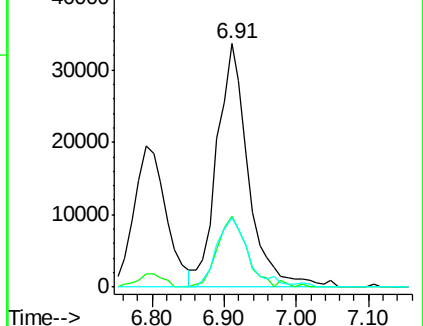
77 28.6 23.1 34.7

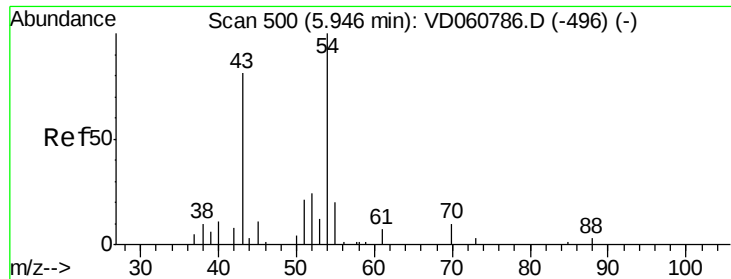


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





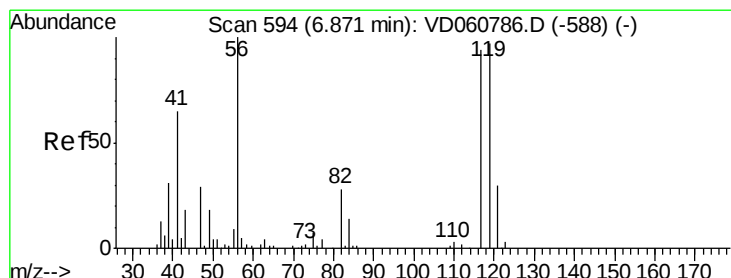
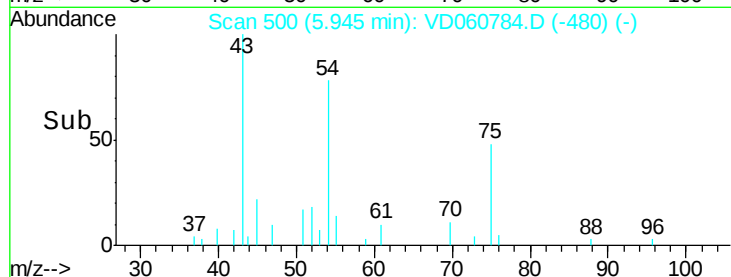
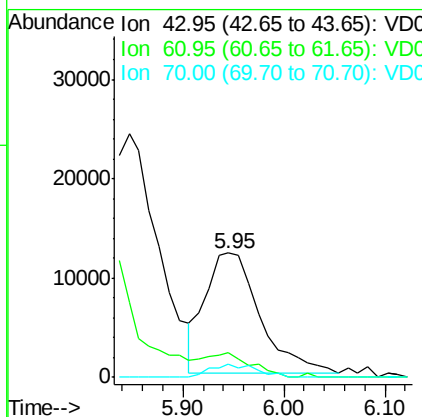
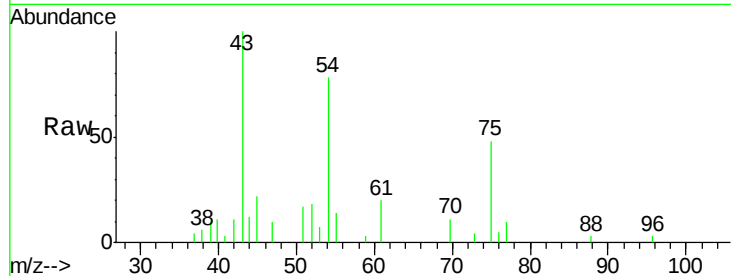
#37
Ethyl Acetate
Concen: 10.461 ug/l
RT: 5.95 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	12.2	18.4#
70	10.5	6.8	10.2#

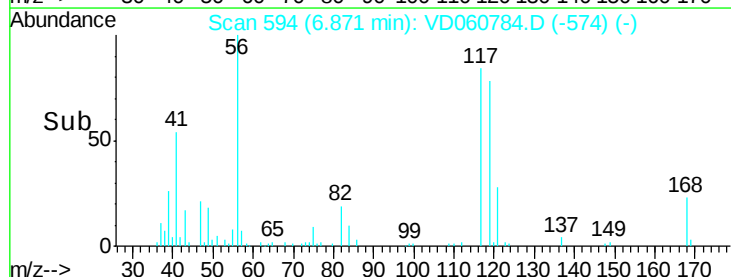
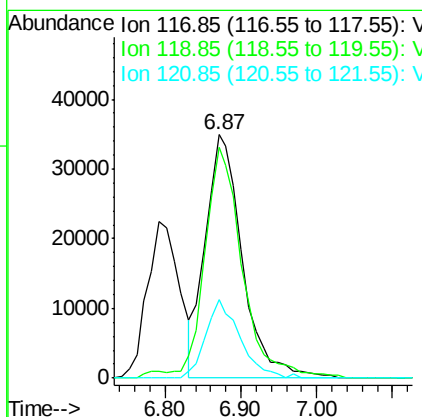
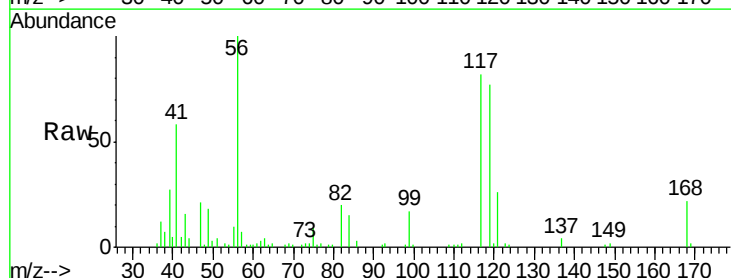
Manual Integrations
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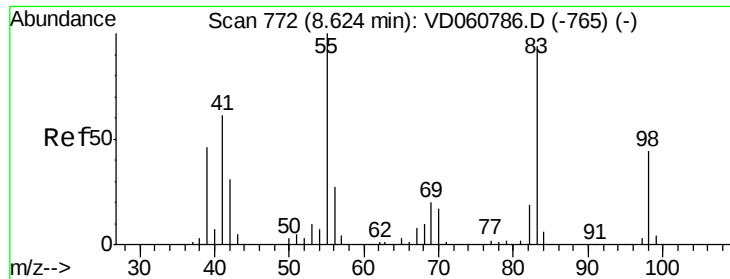
MMDadoda
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#38
Carbon Tetrachloride
Concen: 9.253 ug/l
RT: 6.87 min Scan# 594
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	32.2	24.2	36.2





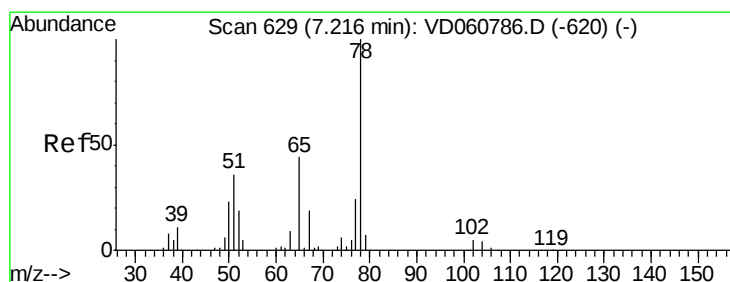
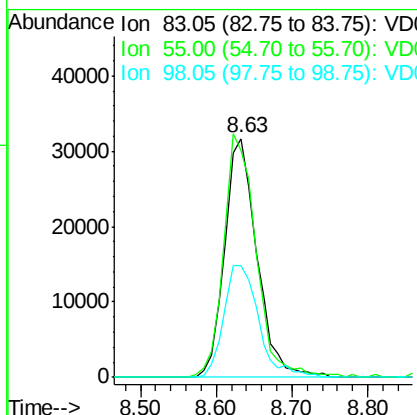
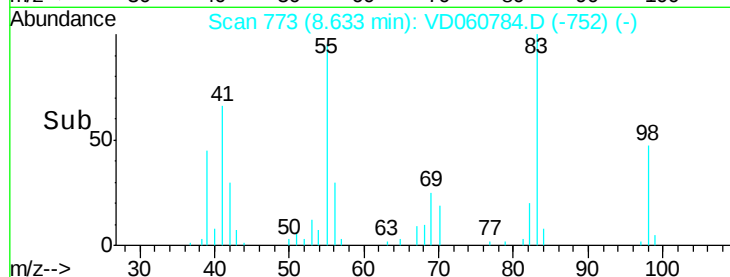
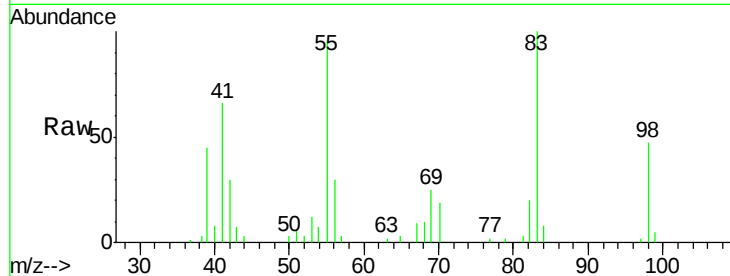
#39
Methvlcvclohexane
Concen: 10.045 ug/l
RT: 8.63 min Scan# 773
Delta R.T. 0.01 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	93540
Ion Ratio	100	Lower	Upper
83	100		
55	95.1	85.2	127.8
98	46.6	37.7	56.5

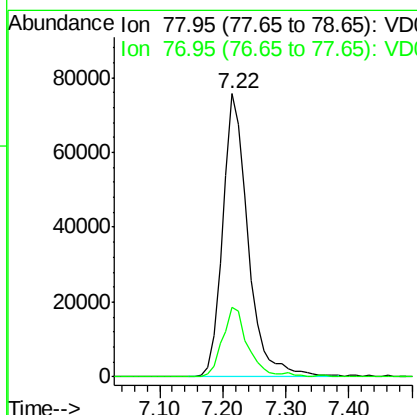
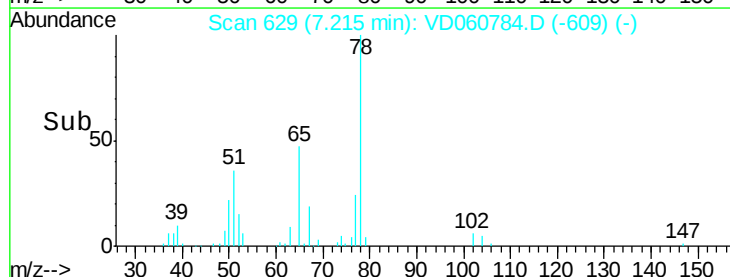
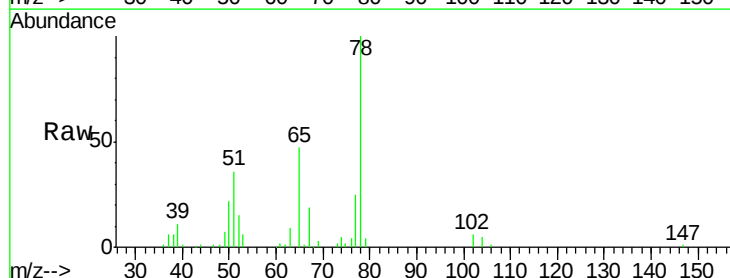
Manual Integrations
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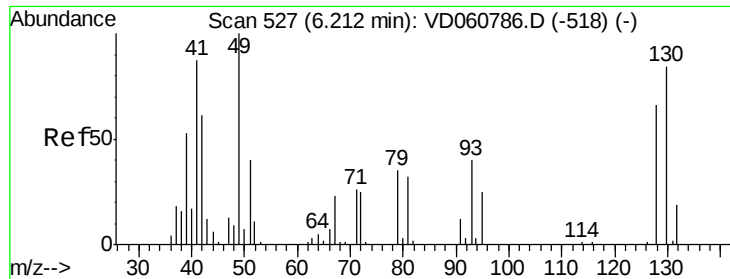
MMDadoda
1/24/2019 12:49:05 PM



#40
Benzene
Concen: 9.900 ug/l
RT: 7.22 min Scan# 629
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	78	Resp	210825
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	19.0	28.4





#41

Methacrylonitrile

Concen: 7.600 ug/l m

RT: 6.20 min Scan# 526

Delta R.T. -0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 24639

Ion Ratio Lower Upper

41 100

39 50.9 49.4 74.2

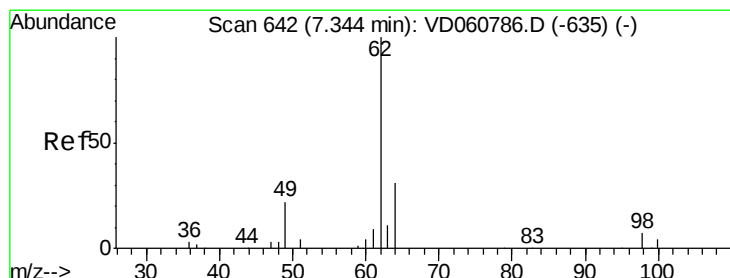
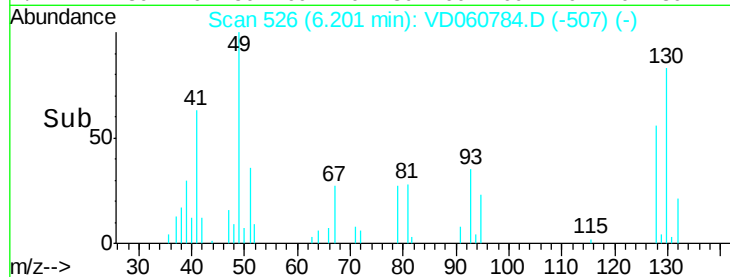
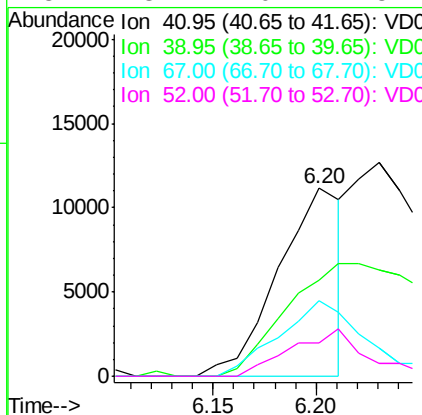
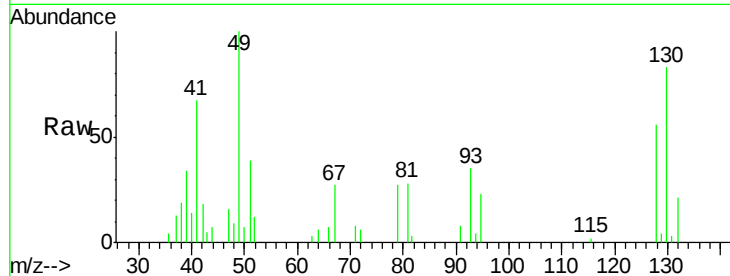
67 40.4 20.7 31.1#

52 18.1 10.2 15.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 9.056 ug/l

RT: 7.34 min Scan# 642

Delta R.T. -0.00 min

Lab File: VD060784.D

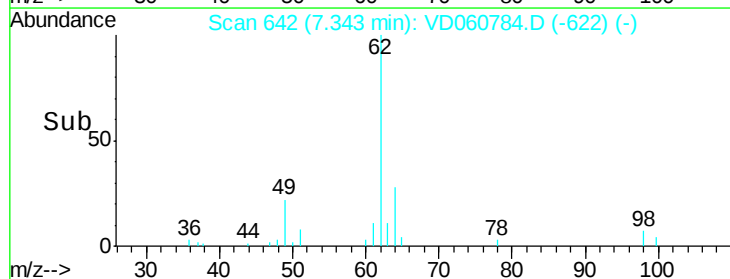
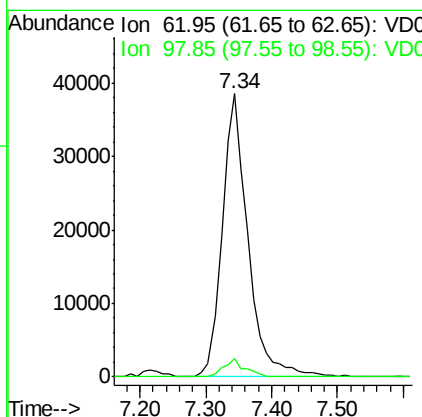
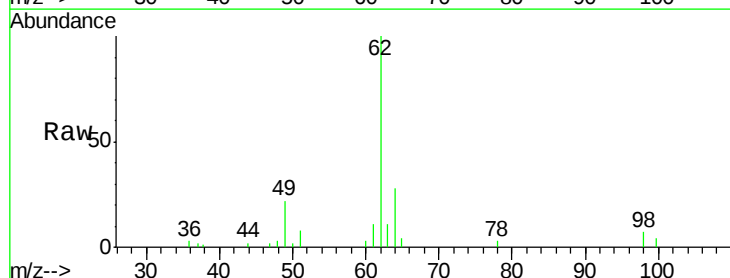
Acq: 23 Jan 2019 16:09

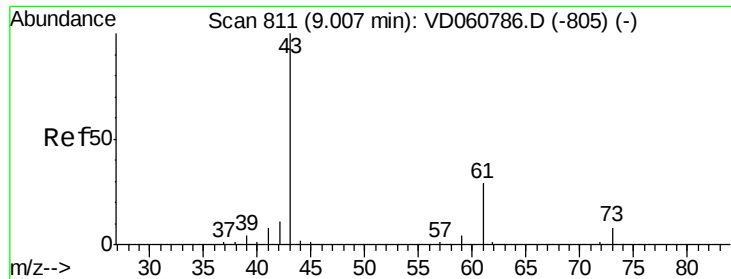
Tgt Ion: 62 Resp: 104628

Ion Ratio Lower Upper

62 100

98 6.6 0.0 13.6





#43

Isopropyl Acetate

Concen: 8.996 ug/l

RT: 9.02 min Scan# 812

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

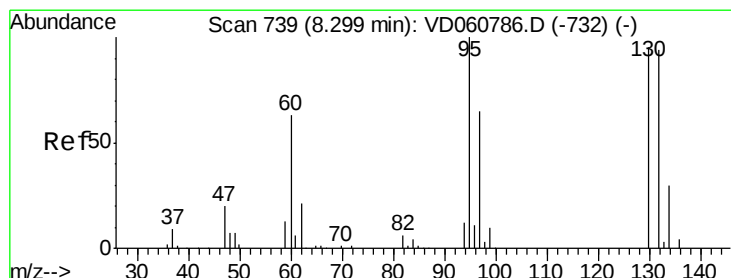
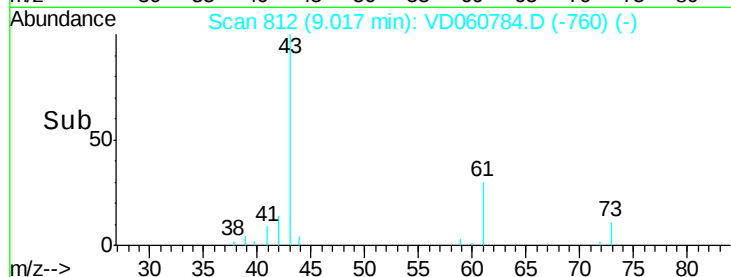
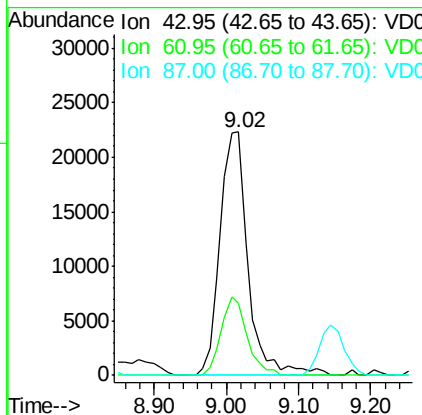
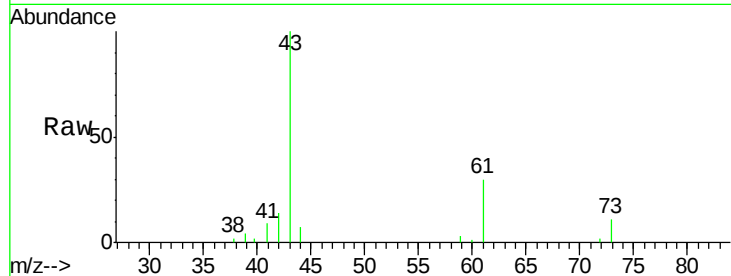
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	59979
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.2	34.8
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 9.265 ug/l

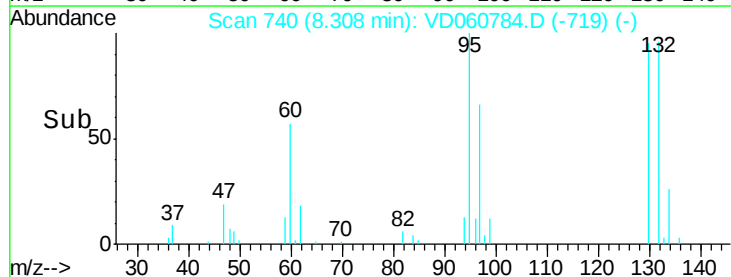
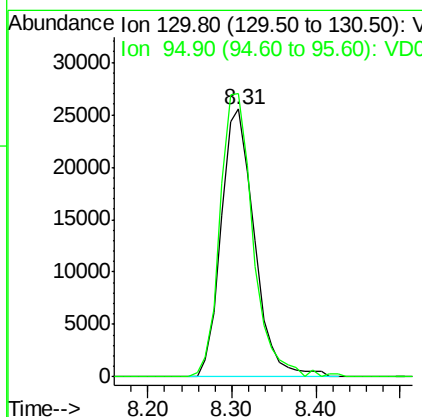
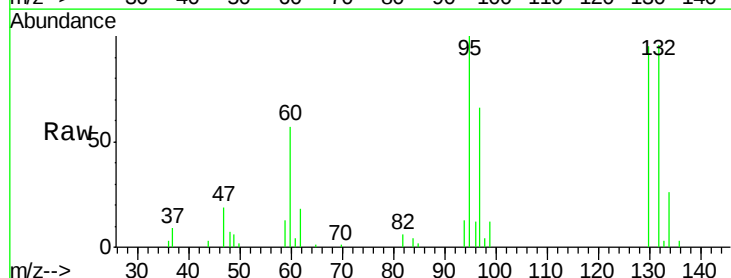
RT: 8.31 min Scan# 740

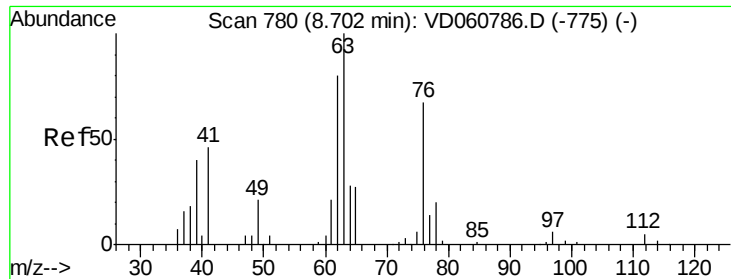
Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion:	130	Resp:	69991
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	211.6





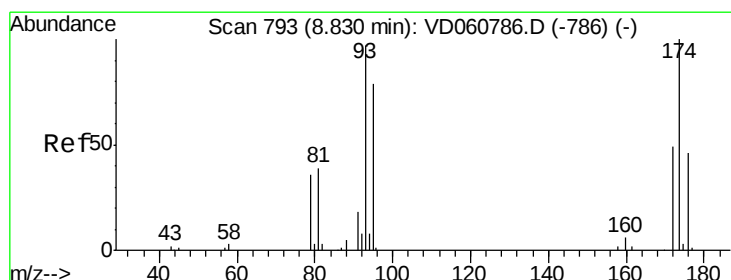
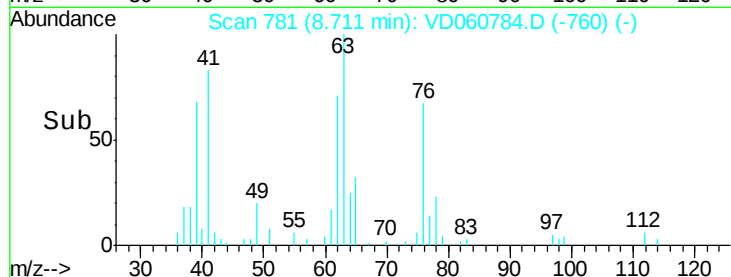
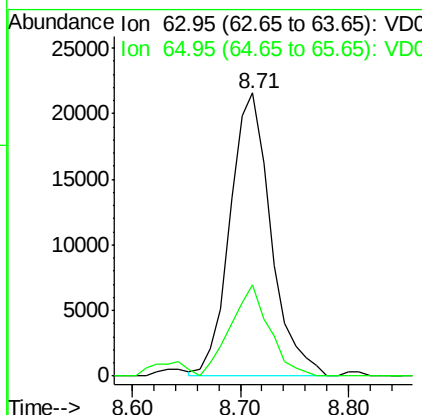
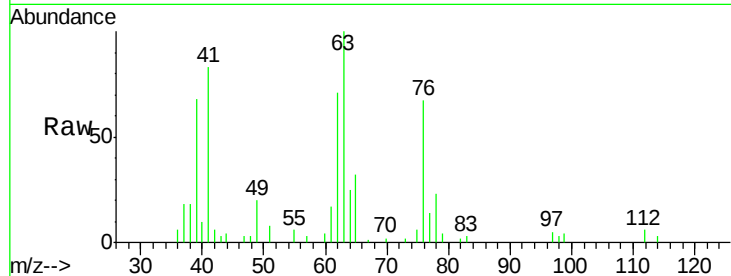
#45
1,2-Dichloropropane
Concen: 10.271 ug/l
RT: 8.71 min Scan# 781
Delta R.T. 0.01 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 63 Resp: 56760
Ion Ratio Lower Upper
63 100
65 32.4 23.0 34.6

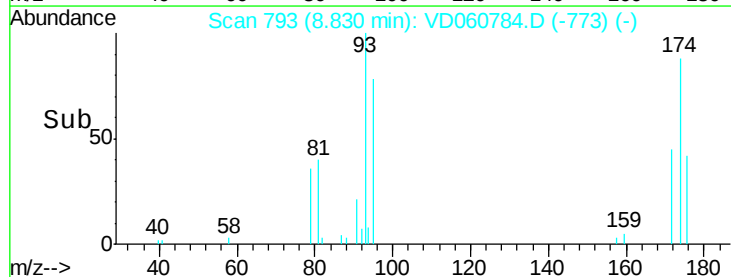
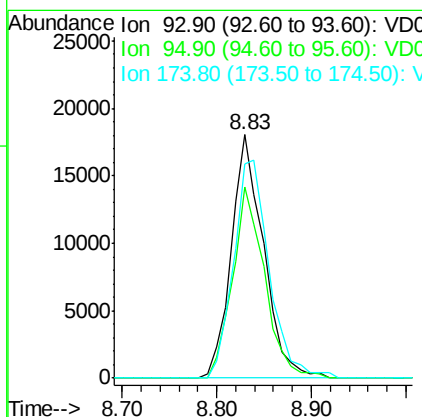
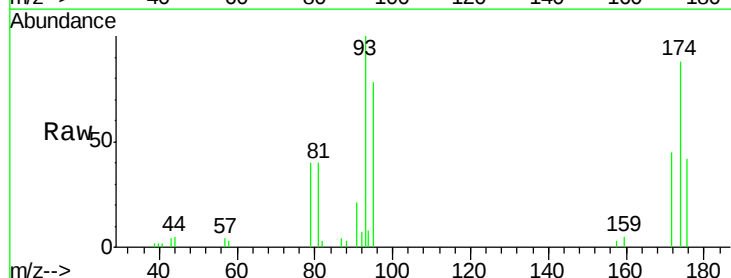
Manual Integrations
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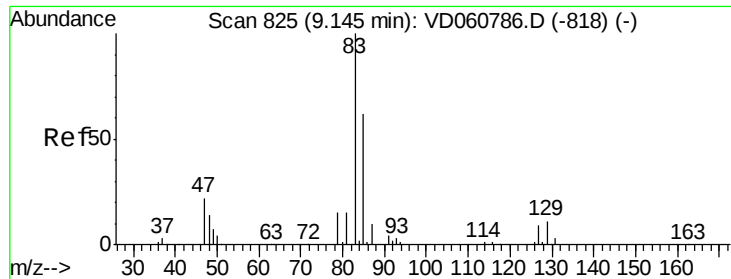
MMDadoda
1/24/2019 12:49:05 PM



#46
Dibromomethane
Concen: 9.427 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion: 93 Resp: 42613
Ion Ratio Lower Upper
93 100
95 78.5 65.2 97.8
174 87.8 82.1 123.1





#47

Bromodichloromethane

Concen: 9.341 ug/l

RT: 9.14 min Scan# 825

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

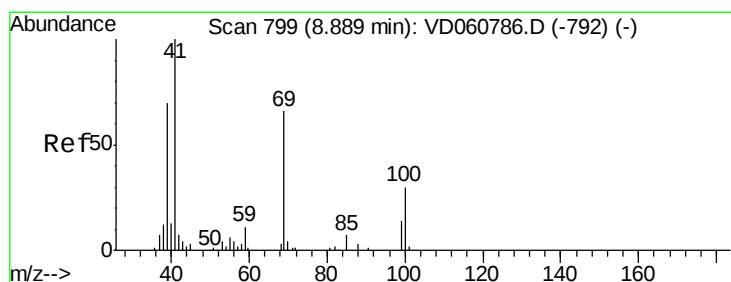
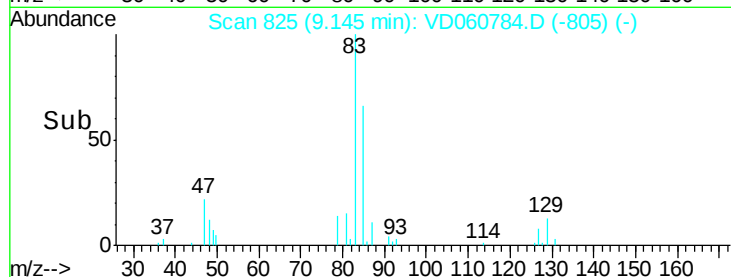
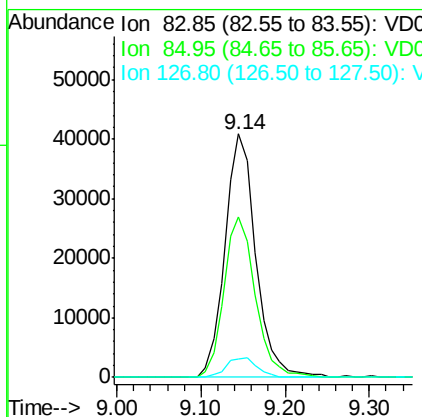
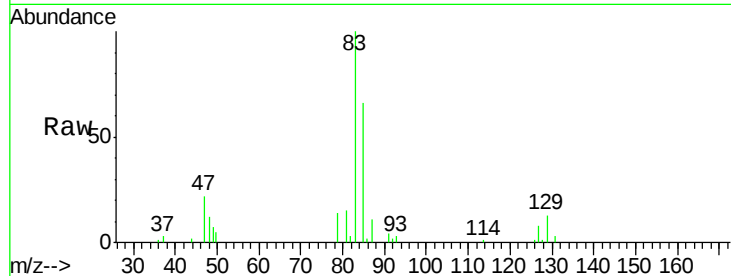
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	104012
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.8	74.6
127	7.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.824 ug/l

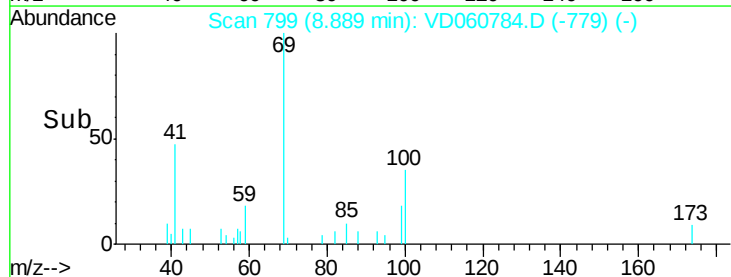
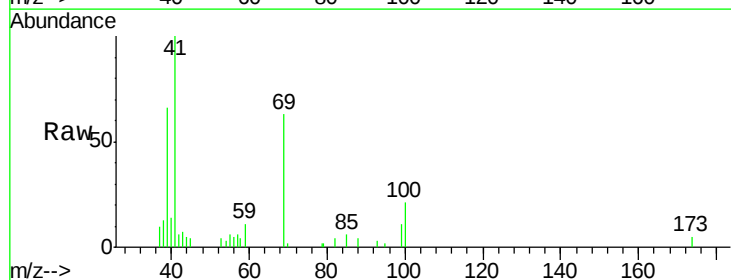
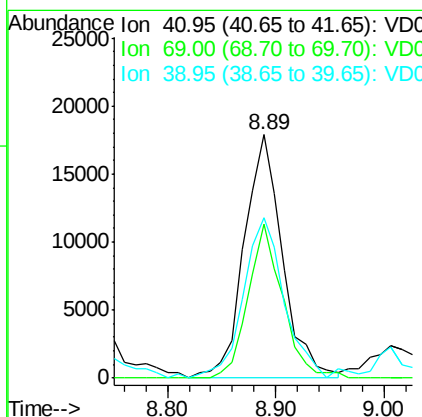
RT: 8.89 min Scan# 799

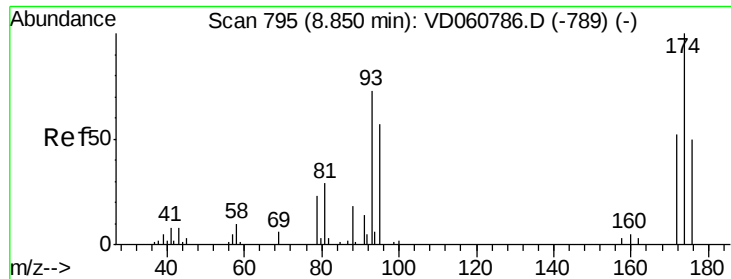
Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion:	41	Resp:	44201
Ion Ratio	Lower	Upper	
41	100		
69	63.3	52.2	78.4
39	66.0	56.3	84.5





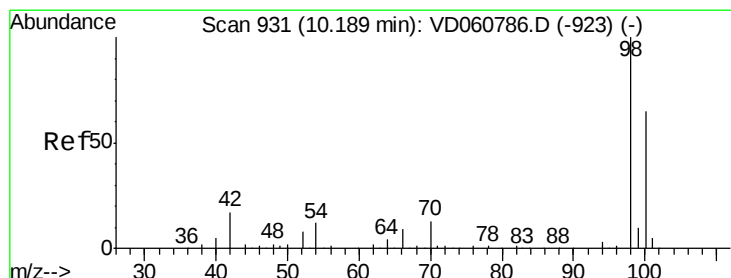
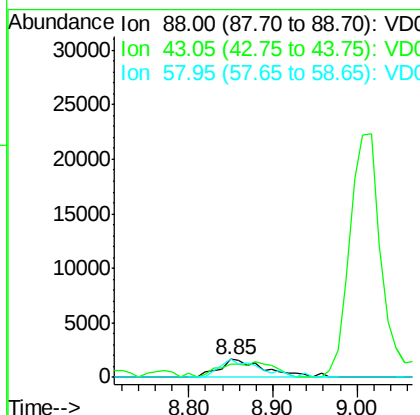
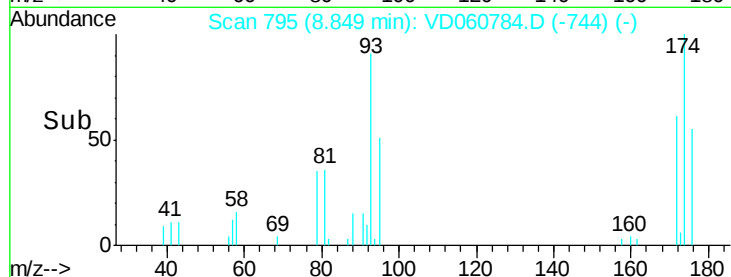
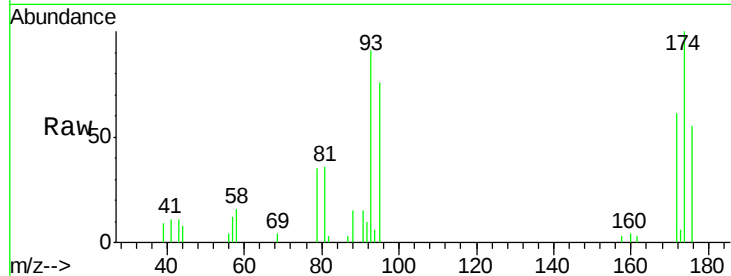
#49
1,4-Dioxane
Concen: 168.271 ug/l
RT: 8.85 min Scan# 795
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	73.7	36.2	54.2#
58	103.4	47.3	70.9#

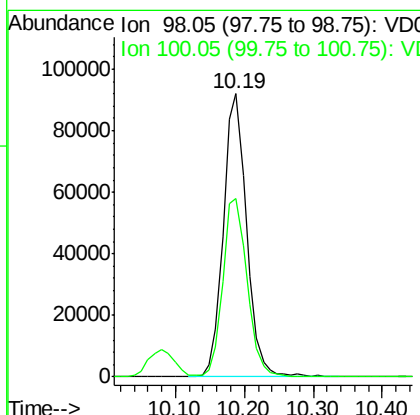
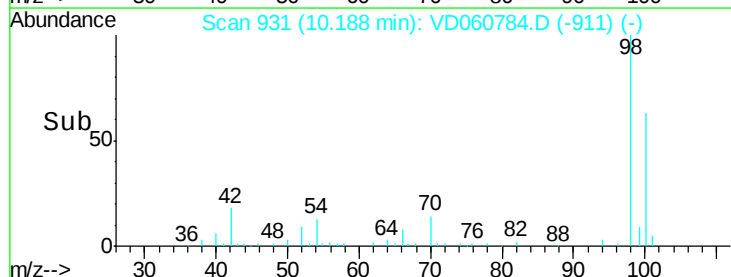
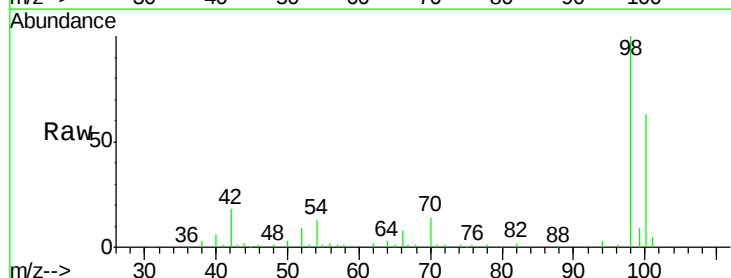
Manual Integrations
APPROVED

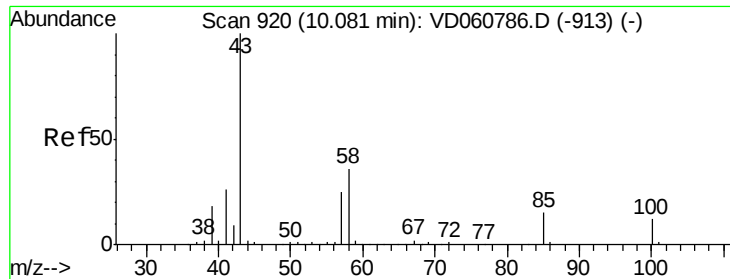
MMDadoda
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#50
Toluene-d8
Concen: 168.271 ug/l
RT: 10.19 min Scan# 931
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 49.596 ug/l

RT: 10.08 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 217522

Ion Ratio Lower Upper

43 100

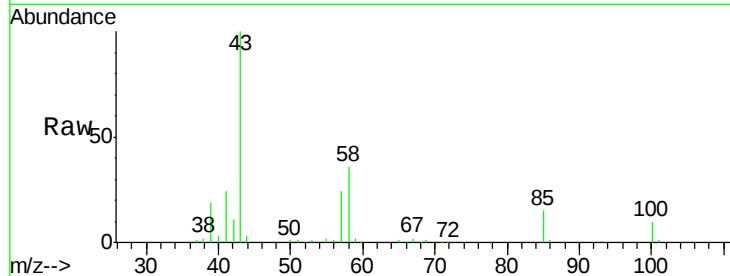
58 36.5 29.0 43.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

80000

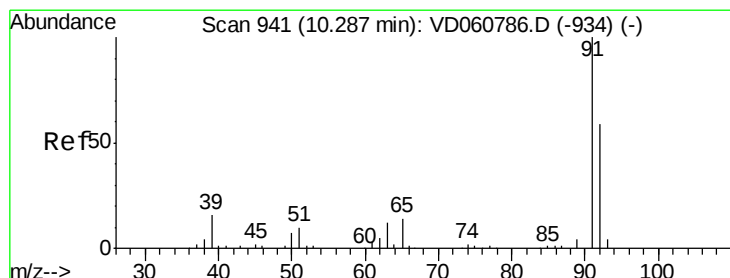
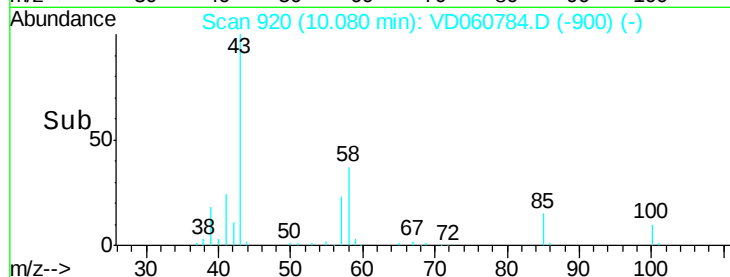
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 9.534 ug/l

RT: 10.29 min Scan# 941

Delta R.T. -0.00 min

Lab File: VD060784.D

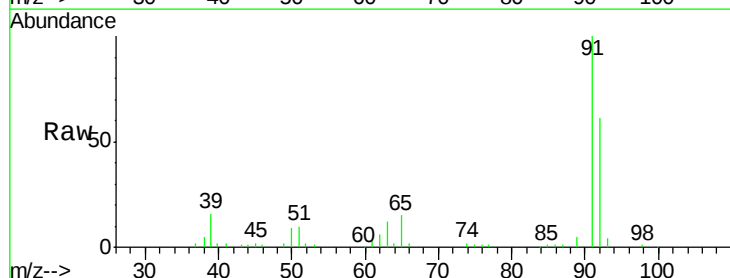
Acq: 23 Jan 2019 16:09

Tgt Ion: 92 Resp: 127068

Ion Ratio Lower Upper

92 100

91 163.7 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.29

80000

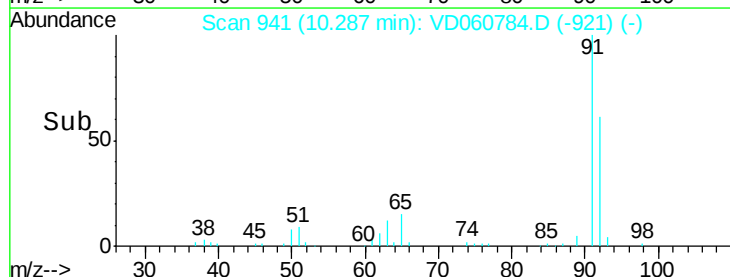
60000

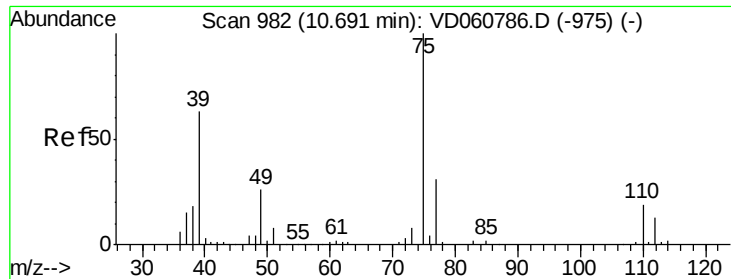
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 8.996 ug/l

RT: 10.69 min Scan# 982

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 98030

Ion Ratio Lower Upper

75 100

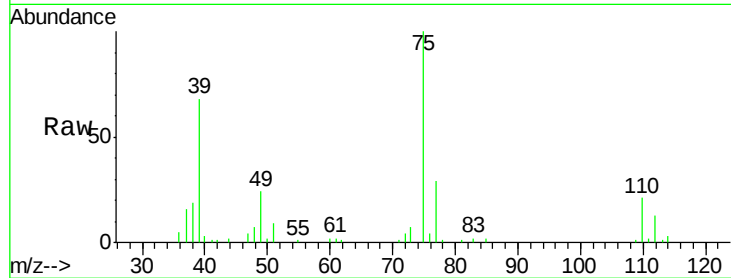
77 29.3 24.4 36.6

Manual Integrations

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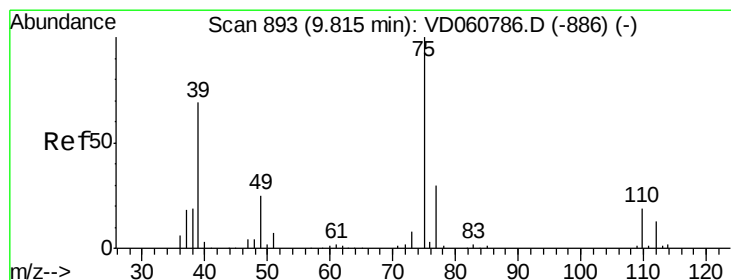
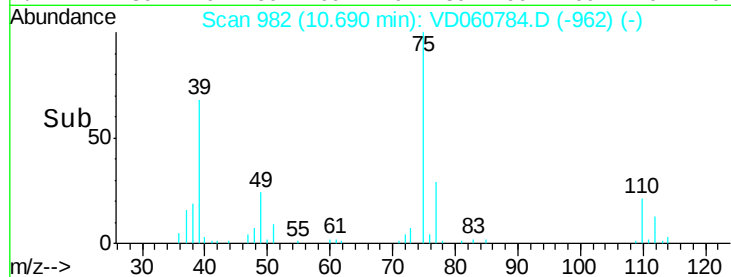
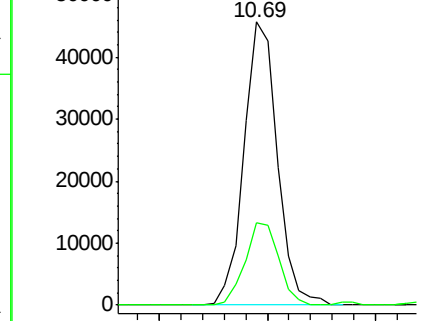
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.344 ug/l

RT: 9.81 min Scan# 893

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

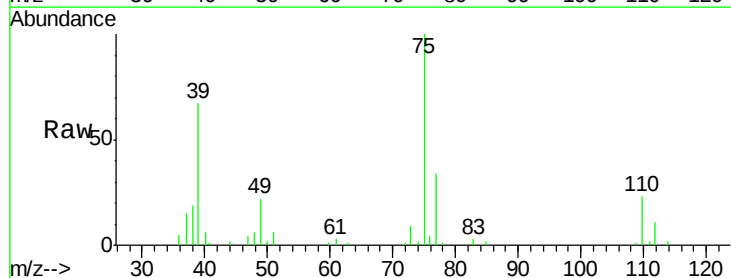
Tgt Ion: 75 Resp: 96715

Ion Ratio Lower Upper

75 100

77 33.7 24.1 36.1

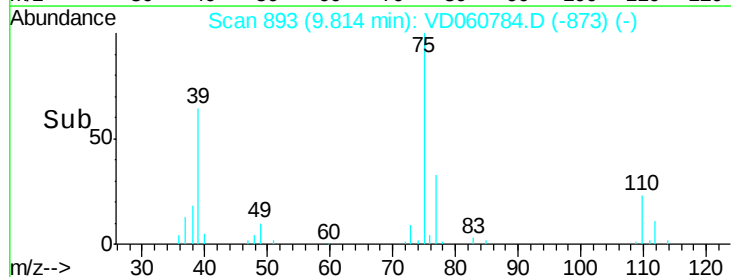
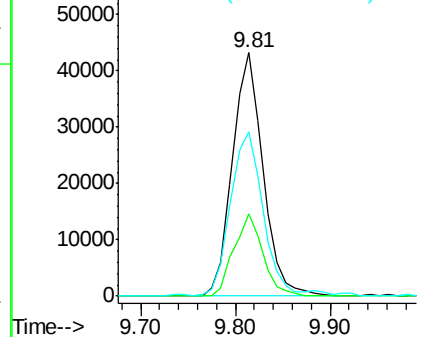
39 67.4 55.4 83.0

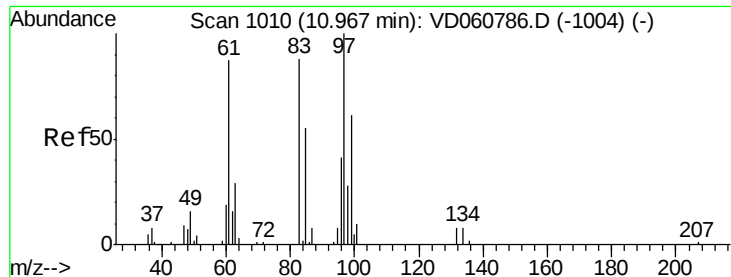


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 10.130 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 47900

Ion Ratio Lower Upper

97 100

83 89.4 70.4 105.6

85 50.6 43.9 65.9

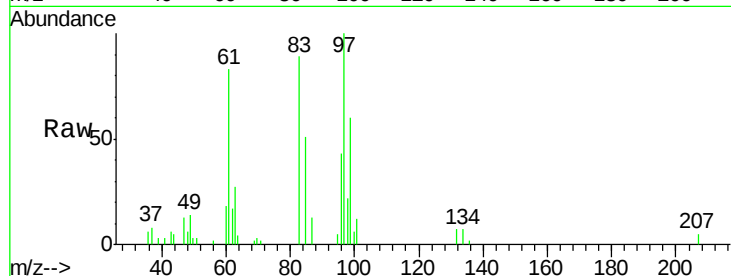
99 59.9 48.6 73.0

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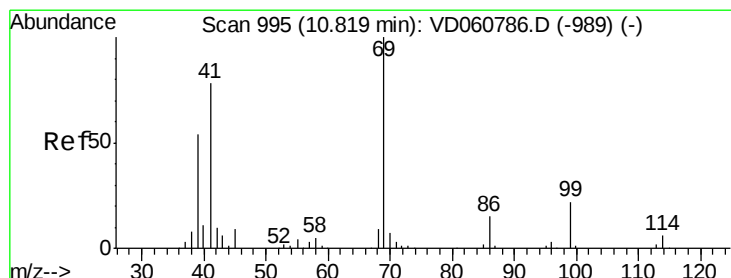
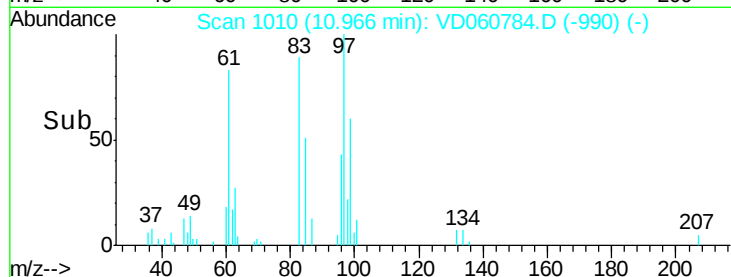
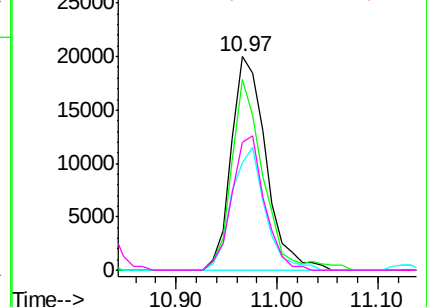


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 10.290 ug/l

RT: 10.82 min Scan# 995

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

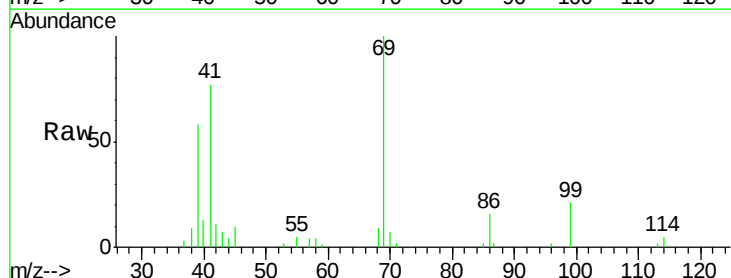
Tgt Ion: 69 Resp: 56463

Ion Ratio Lower Upper

69 100

41 76.7 62.0 93.0

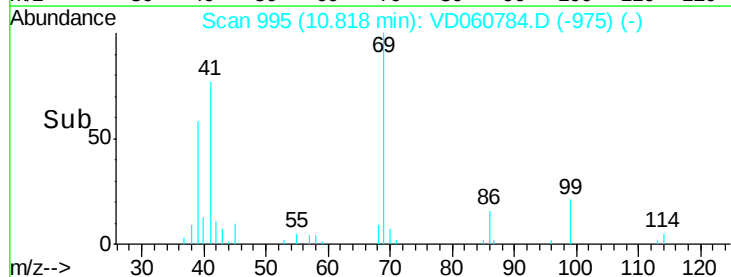
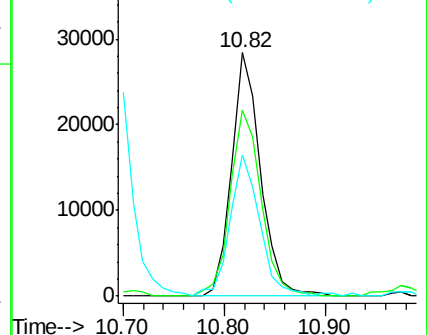
39 57.7 43.8 65.8

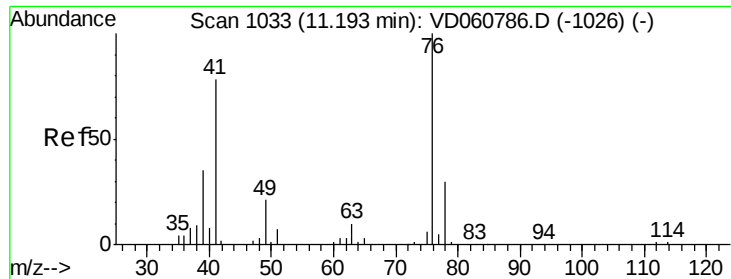


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





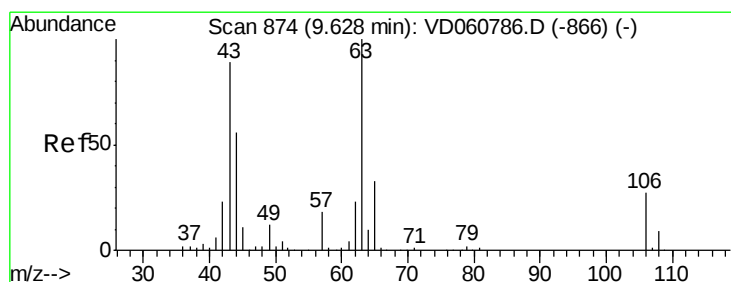
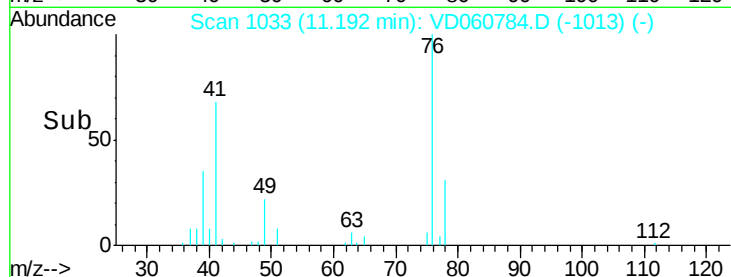
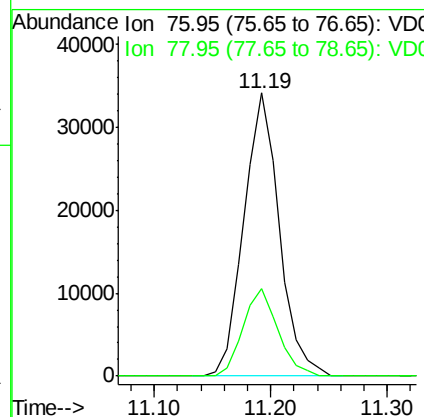
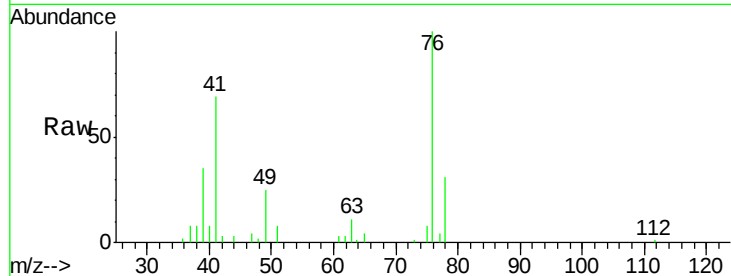
#57
 1,3-Dichloropropane
 Concen: 8.665 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 71778
 Ion Ratio Lower Upper
 76 100
 78 31.1 24.0 36.0

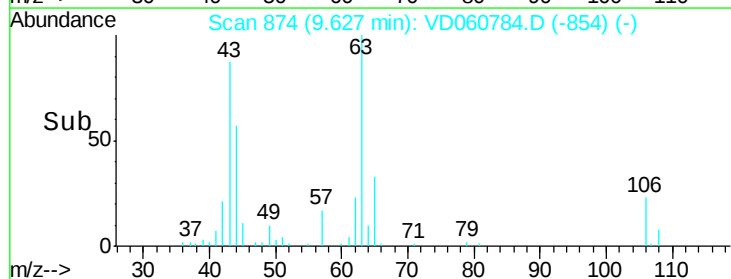
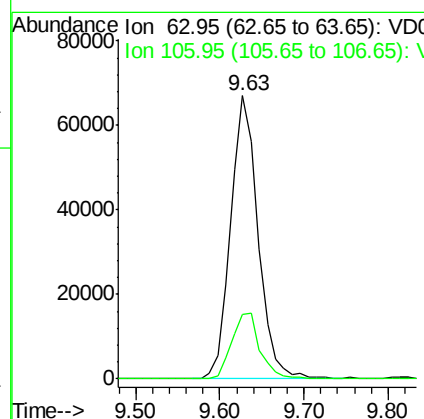
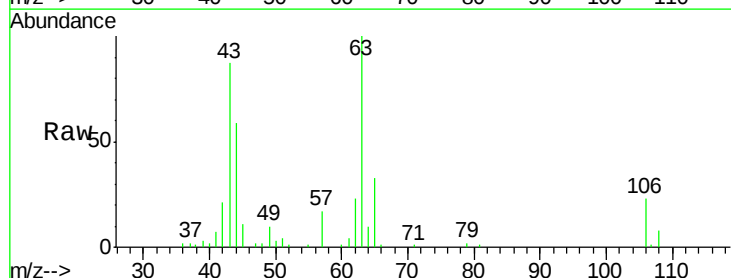
Manual Integrations
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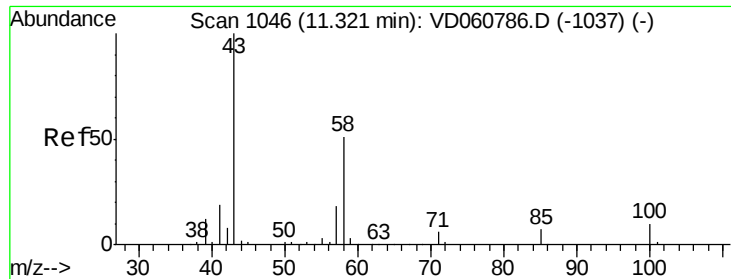
MMDadoda
 1/24/2019 12:49:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.812 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion: 63 Resp: 151332
 Ion Ratio Lower Upper
 63 100
 106 23.0 21.6 32.4





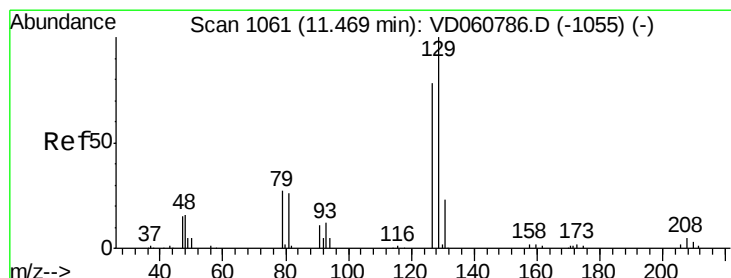
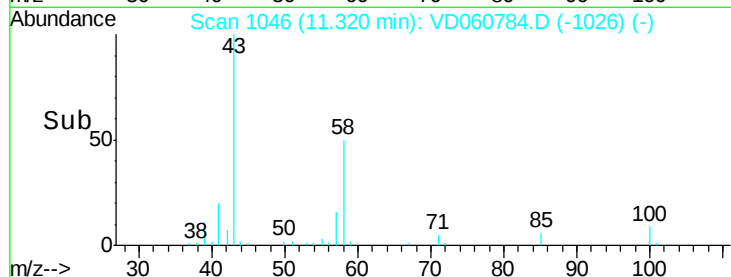
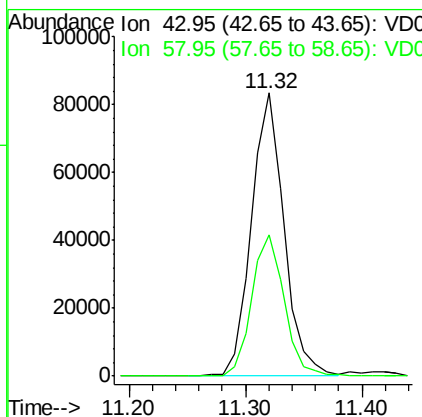
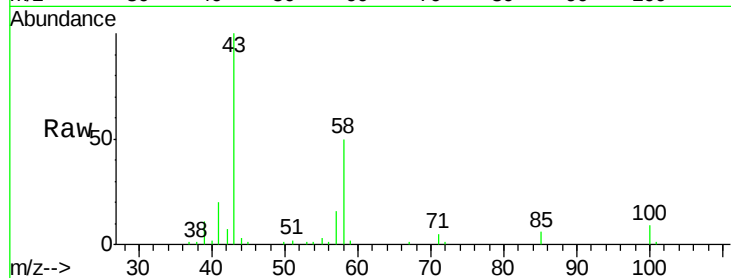
#59
2-Hexanone
Concen: 49.961 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 161678
Ion Ratio Lower Upper
43 100
58 49.9 25.4 76.2

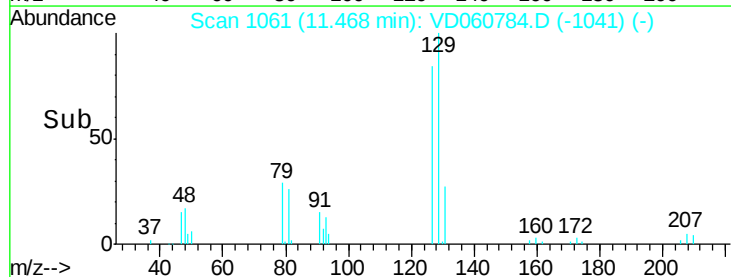
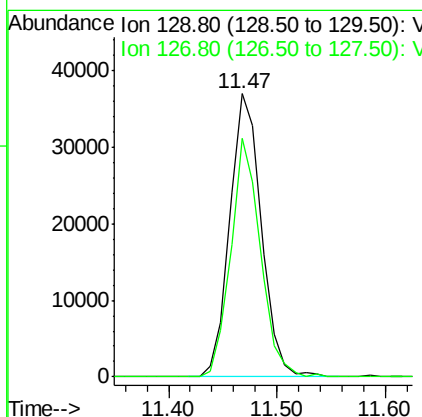
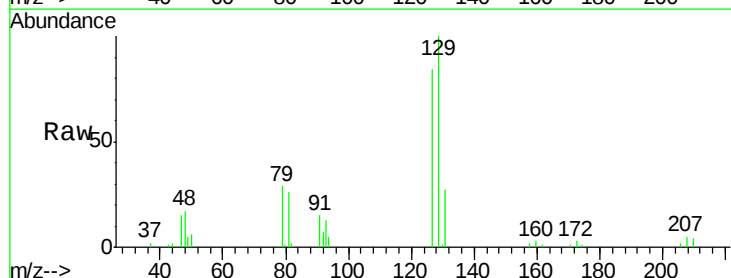
Manual Integrations
APPROVED

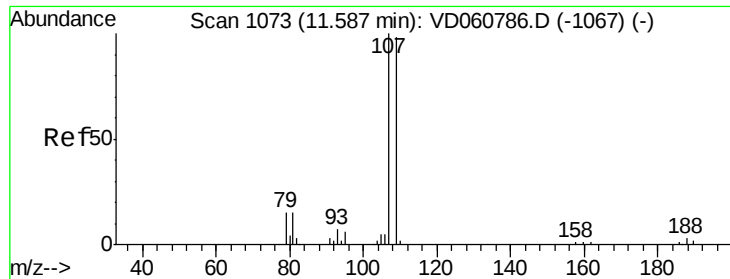
MMDadoda
1/24/2019 12:49:05 PM



#60
Dibromochloromethane
Concen: 10.028 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion: 129 Resp: 75181
Ion Ratio Lower Upper
129 100
127 84.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 9.948 ug/l

RT: 11.60 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 53347

Ion Ratio Lower Upper

107 100

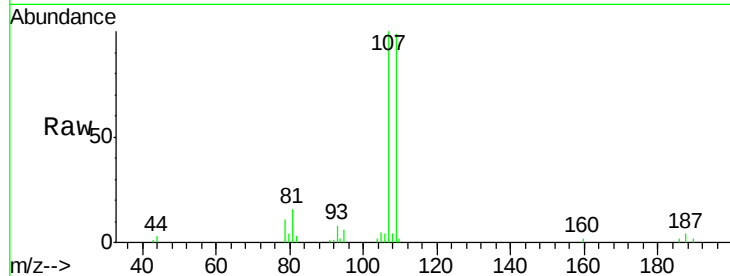
109 99.4 78.2 117.2

Manual Integrations

APPROVED

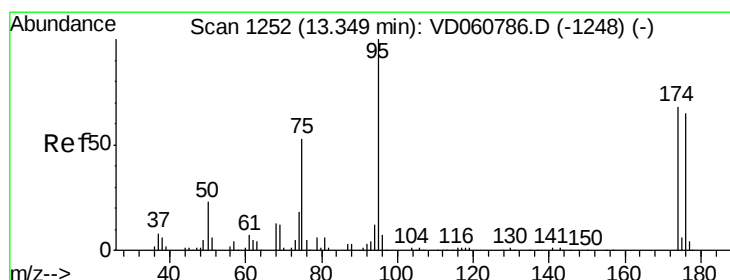
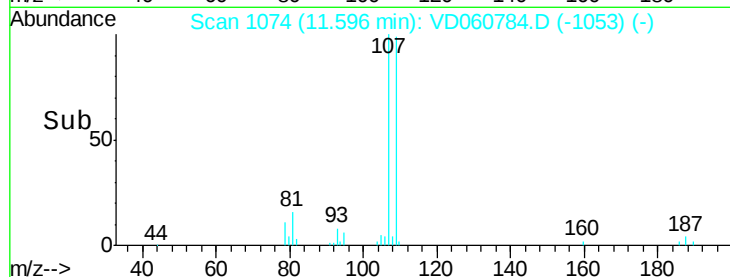
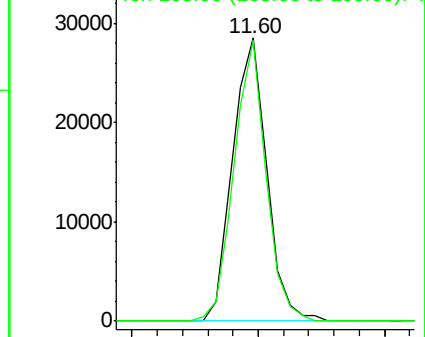
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 9.948 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

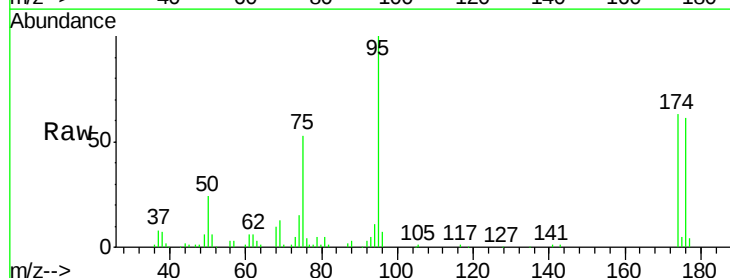
Tgt Ion: 95 Resp: 112150

Ion Ratio Lower Upper

95 100

174 62.6 0.0 135.6

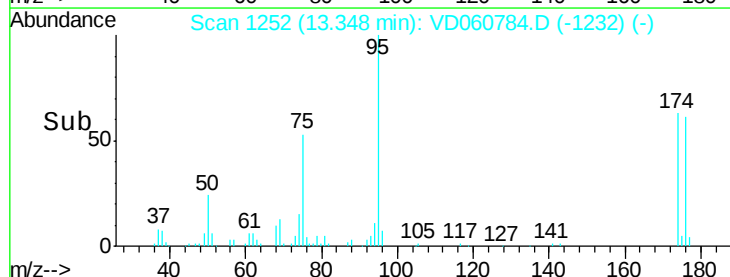
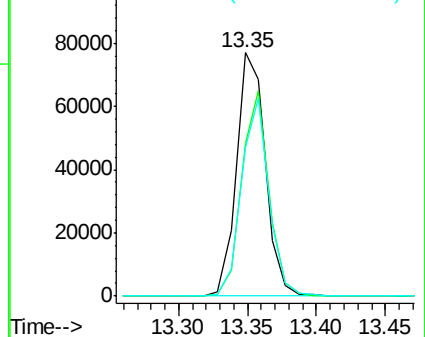
176 61.2 0.0 130.6

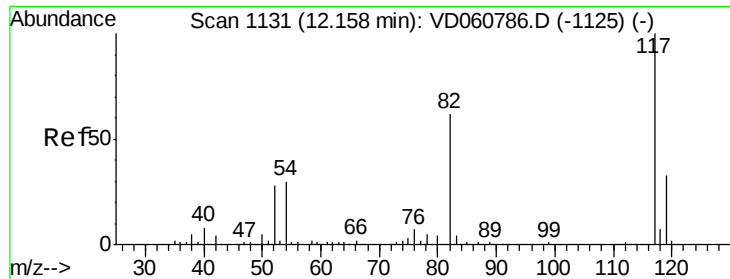


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





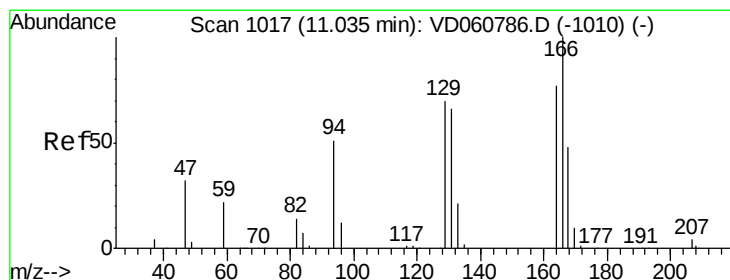
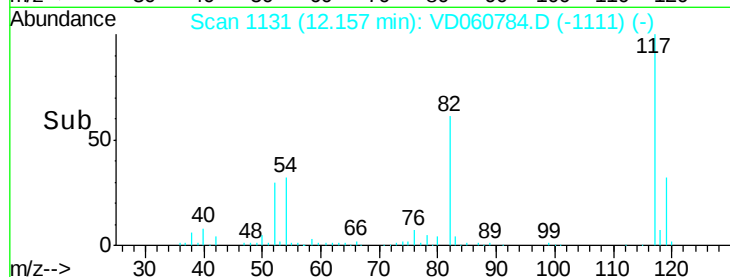
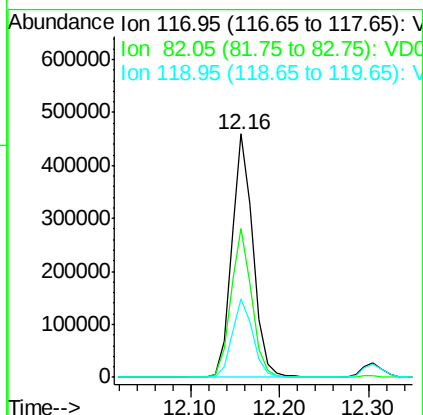
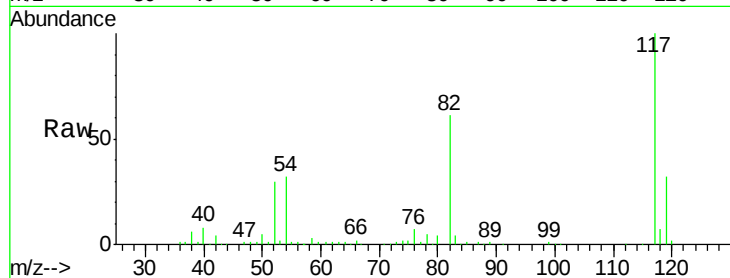
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.5	74.3
119	32.0	26.2	39.4

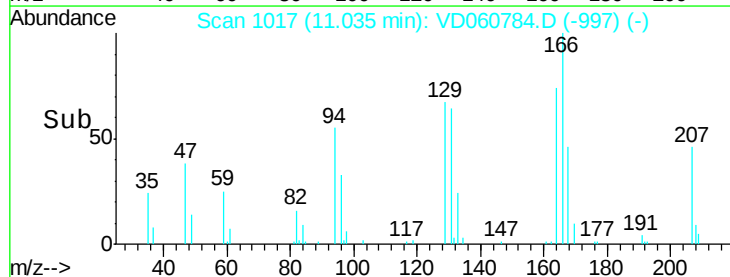
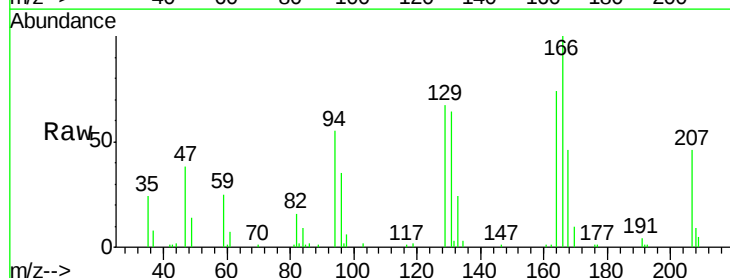
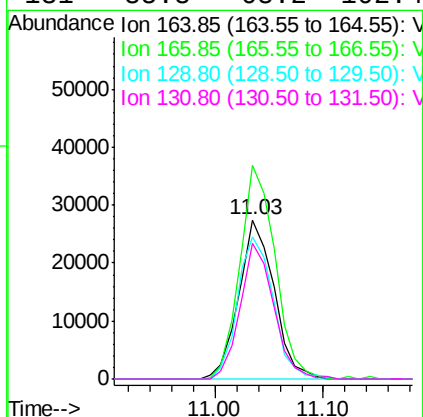
Manual Integrations
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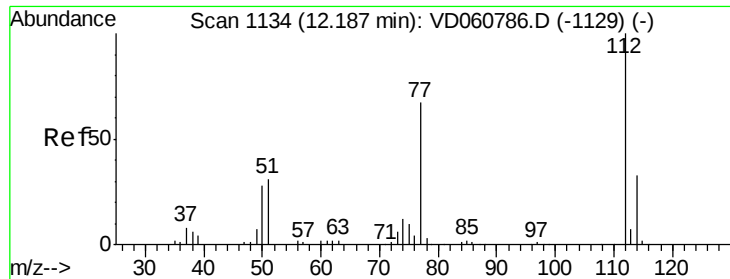
MMDadoda
1/24/2019 12:49:05 PM



#64
Tetrachloroethene
Concen: 9.242 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.4	103.8	155.6
129	89.5	72.2	108.2
131	85.8	68.2	102.4





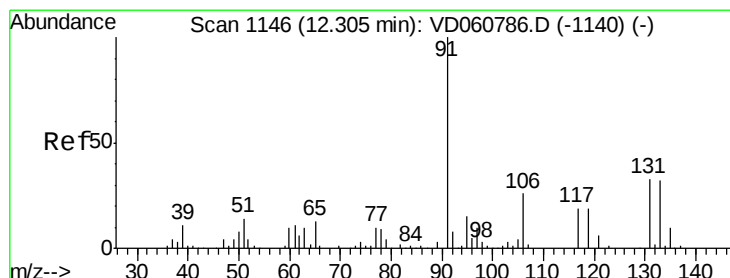
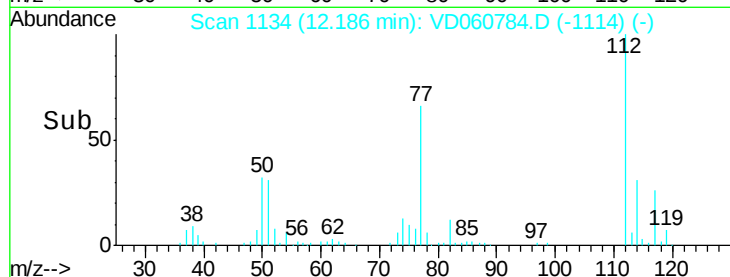
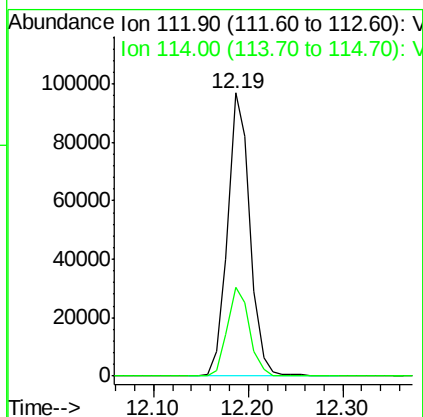
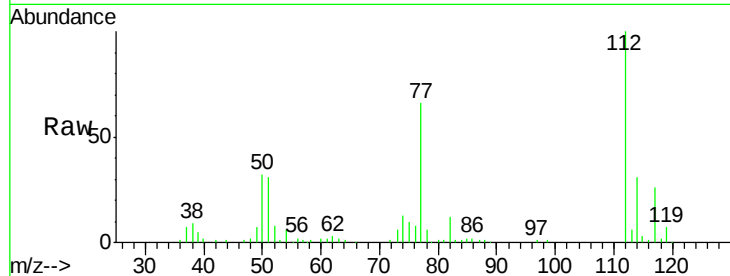
#65
Chlorobenzene
Concen: 10.259 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 157920
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6

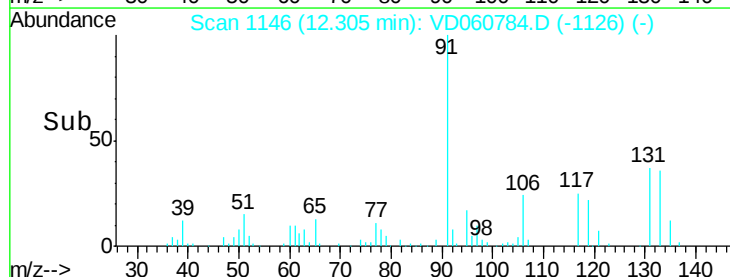
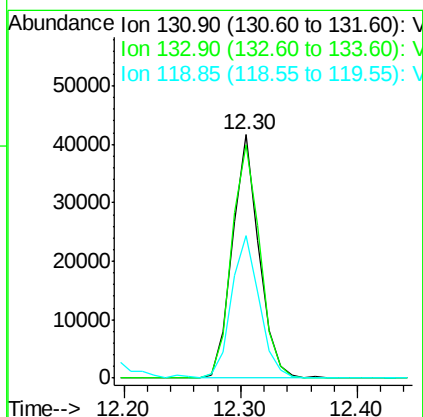
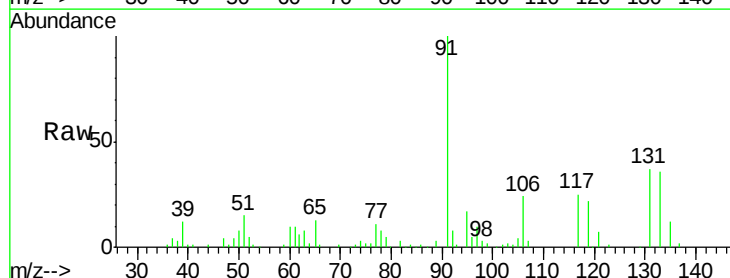
Manual Integrations
APPROVED

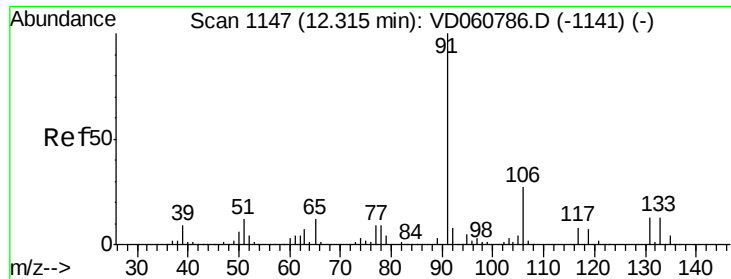
MMDadoda
1/24/2019 12:49:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.624 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion:131 Resp: 65934
Ion Ratio Lower Upper
131 100
133 96.0 48.3 144.8
119 58.4 28.0 84.0





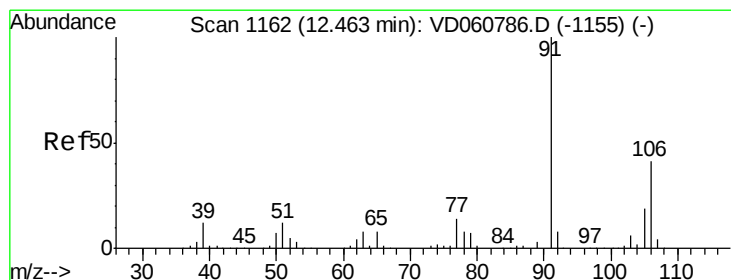
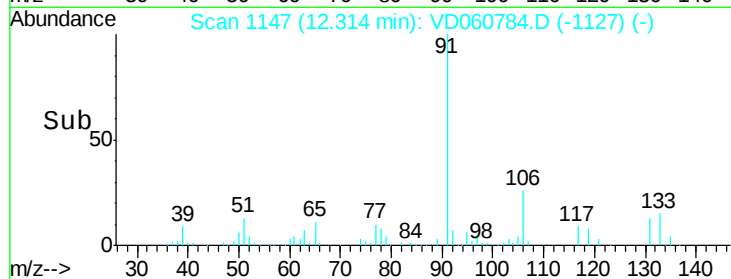
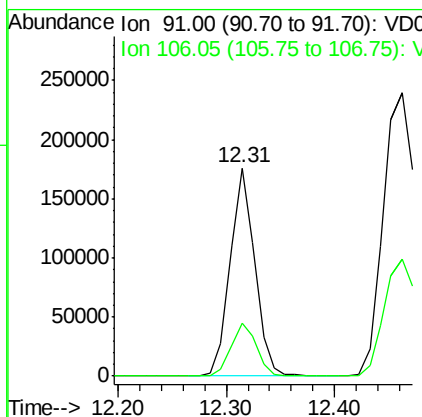
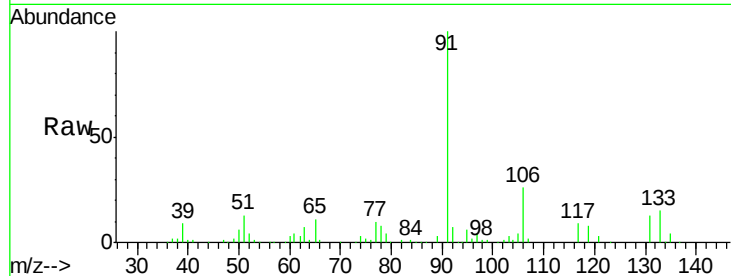
#67
Ethyl Benzene
Concen: 9.775 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 280375
Ion Ratio Lower Upper
91 100
106 25.7 21.4 32.2

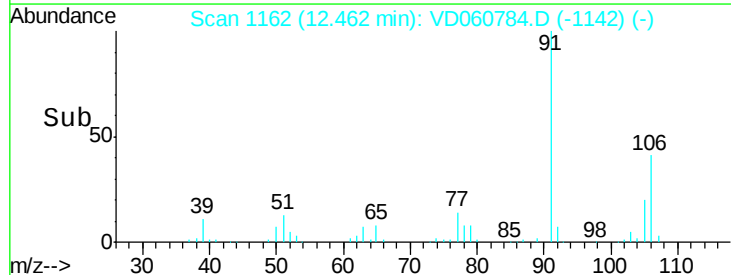
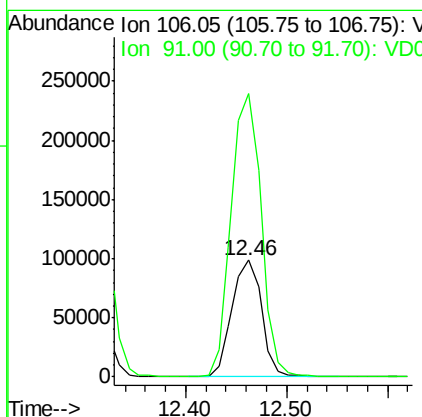
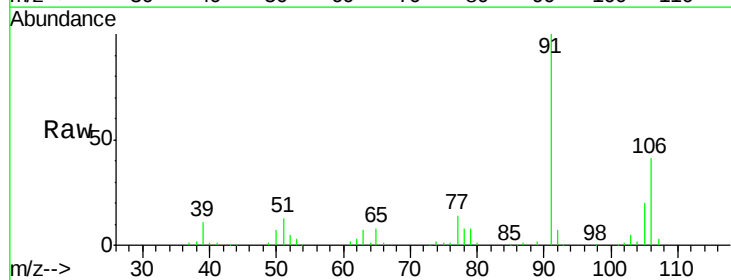
Manual Integrations
APPROVED

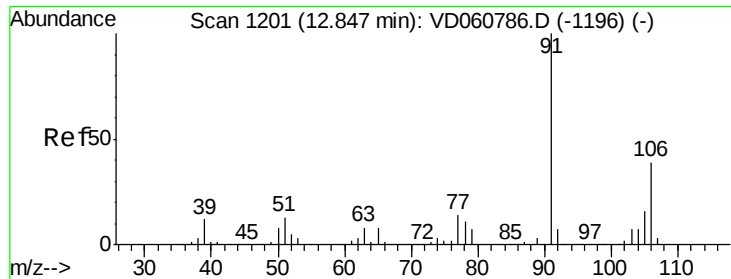
MMDadoda
1/24/2019 12:49:05 PM



#68
m/p-Xylenes
Concen: 21.482 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion: 106 Resp: 201926
Ion Ratio Lower Upper
106 100
91 243.0 195.6 293.4





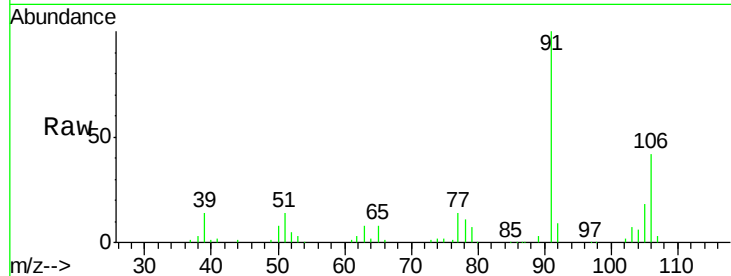
#69
o-Xylene
Concen: 10.607 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

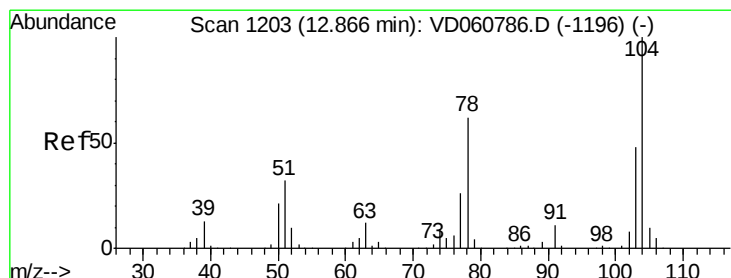
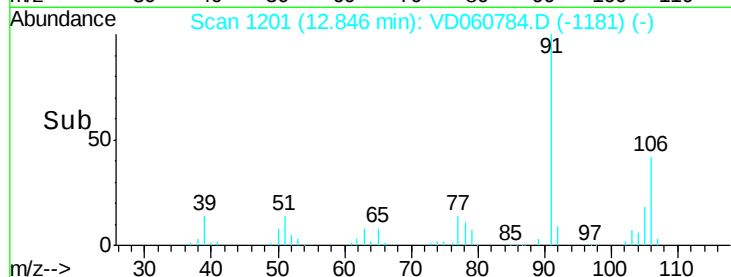
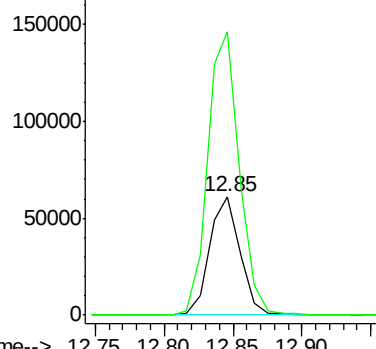
Tot Ion:106 Resp: 93647
Ion Ratio Lower Upper
106 100
91 239.3 127.2 381.5

Manual Integrations
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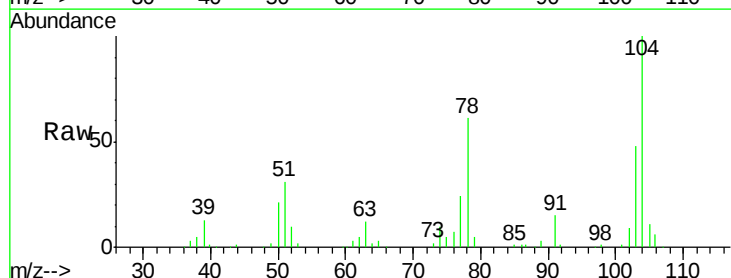


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

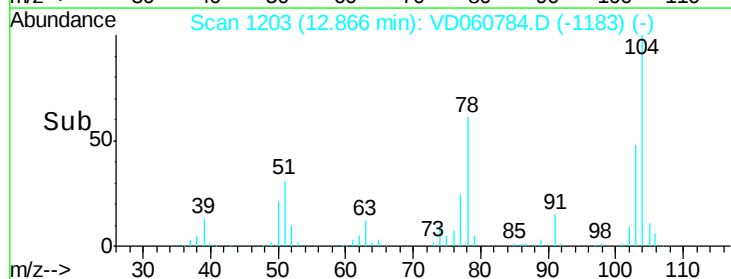
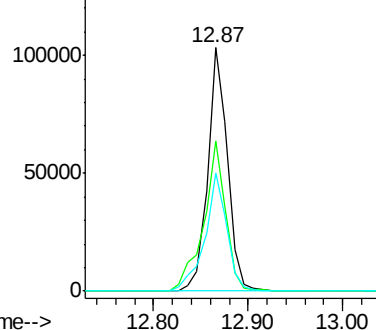


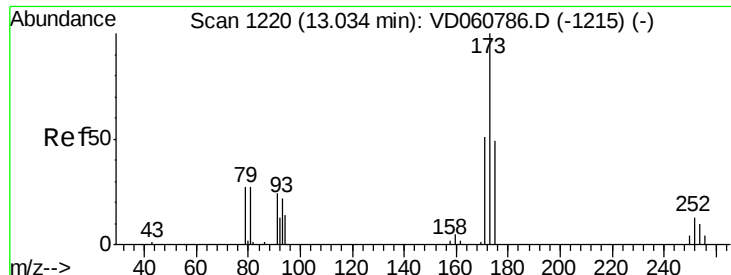
#70
Styrene
Concen: 9.565 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion:104 Resp: 148719
Ion Ratio Lower Upper
104 100
78 61.4 49.7 74.5
103 48.4 38.2 57.2



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





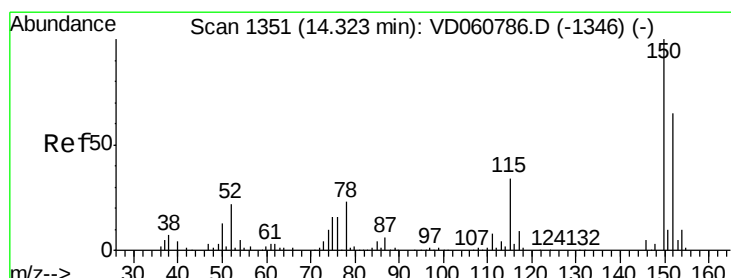
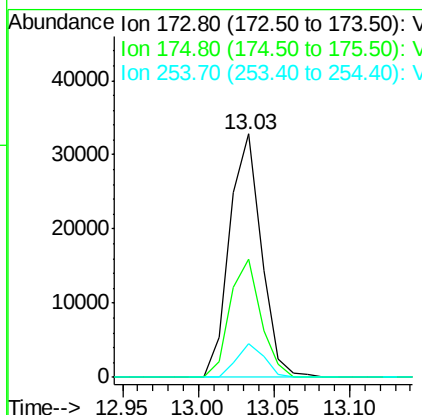
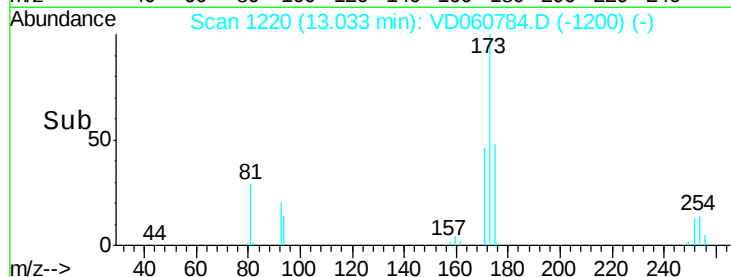
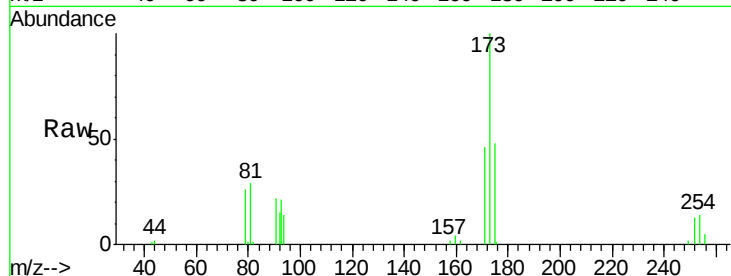
#71
Bromoform
Concen: 9.435 ug/l
RT: 13.03 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	13.9	8.2	12.4

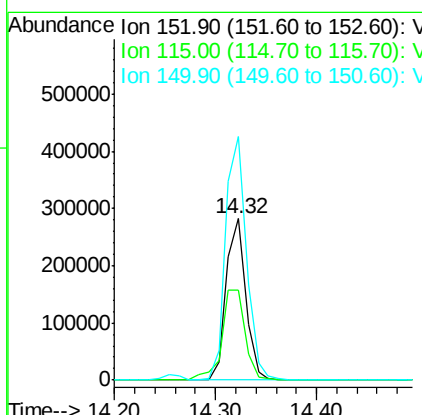
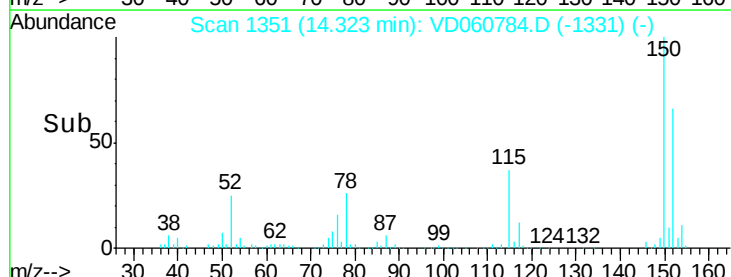
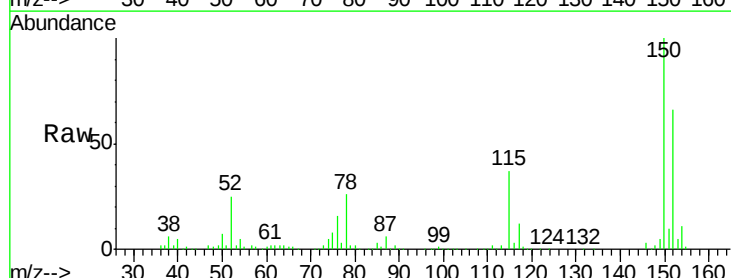
Manual Integrations
APPROVED

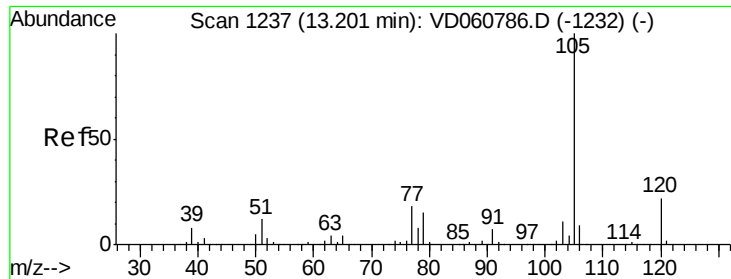
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.3
150	151.0	0.0	314.0





#73

Isopropylbenzene

Concen: 10.203 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 286640

Ion Ratio Lower Upper

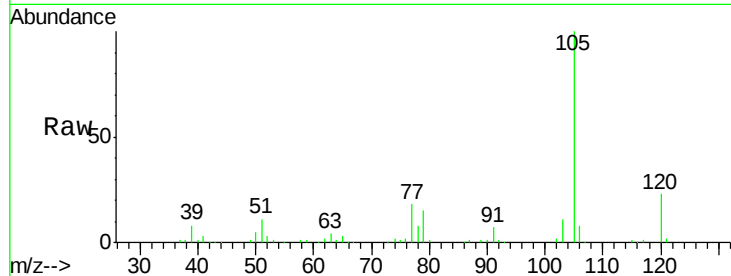
105 100

120 22.6 11.1 33.3

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

Ion 120.05 (119.75 to 120.75): V

200000

150000

100000

50000

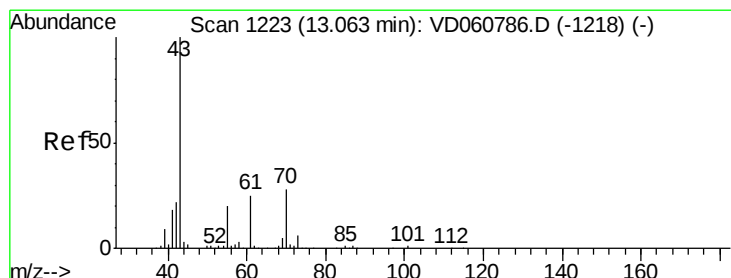
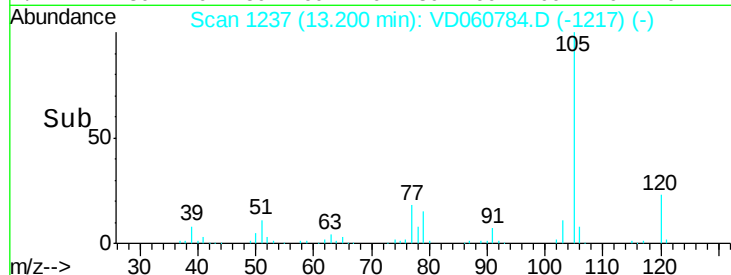
0

13.10

13.20

13.30

Time-->



#74

N-ethyl acetate

Concen: 10.133 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion: 43 Resp: 90182

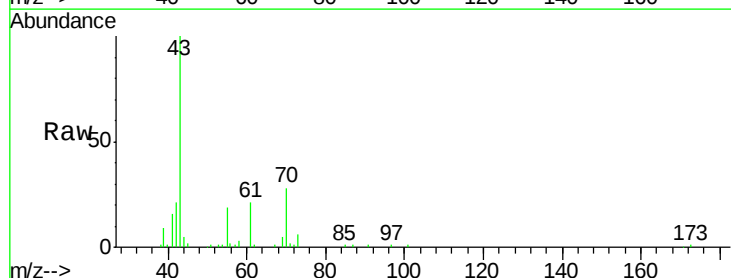
Ion Ratio Lower Upper

43 100

70 28.3 22.6 33.8

55 19.1 16.2 24.2

61 21.4 20.4 30.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

100000

80000

60000

40000

20000

0

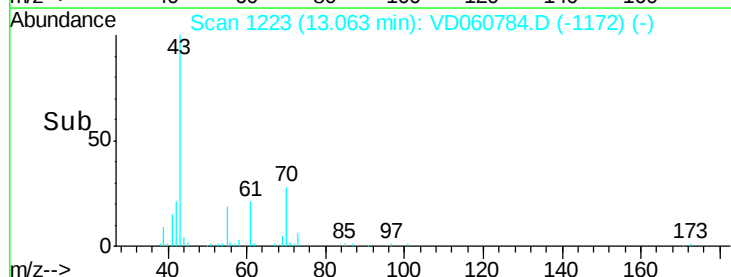
13.00

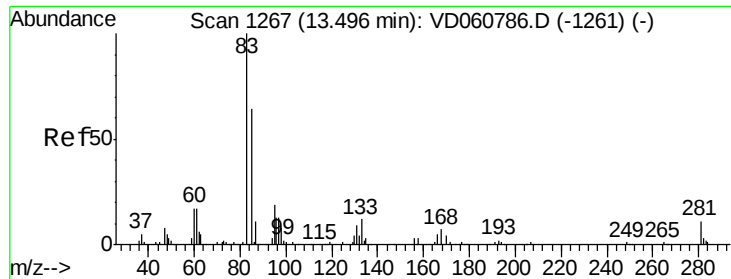
13.05

13.10

13.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.756 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

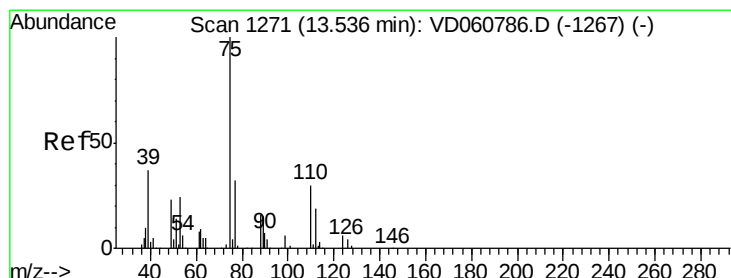
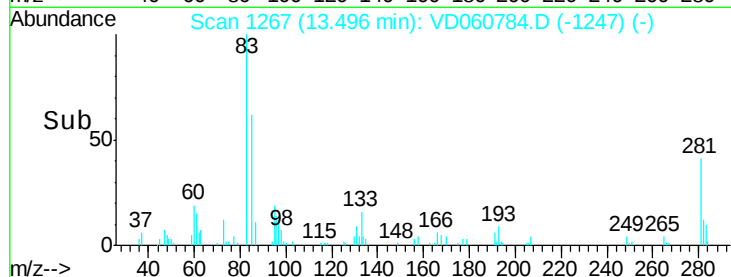
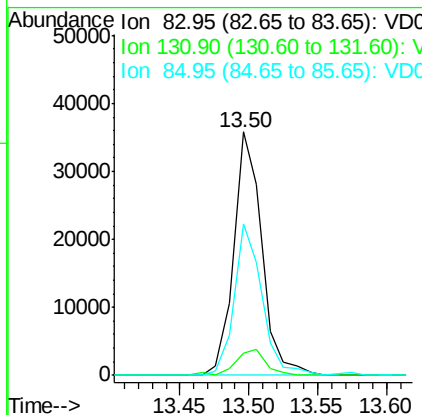
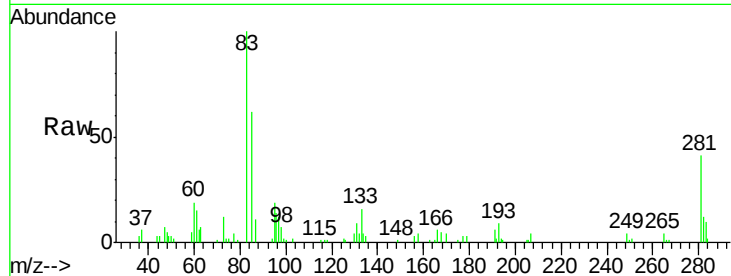
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	50924
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.5
85	62.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.652 ug/l

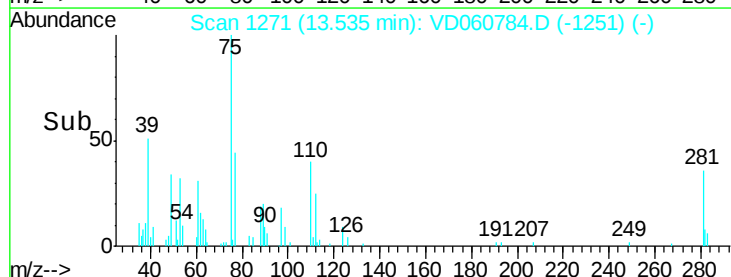
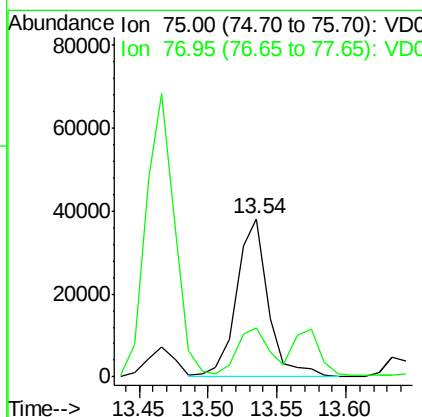
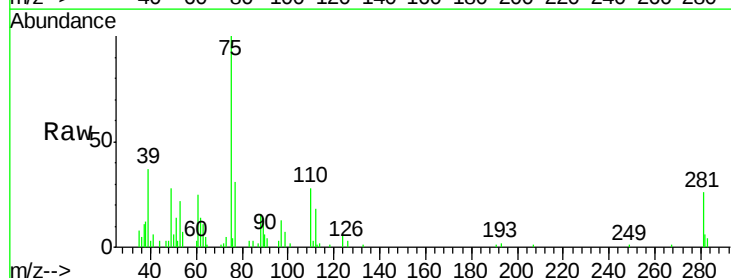
RT: 13.54 min Scan# 1271

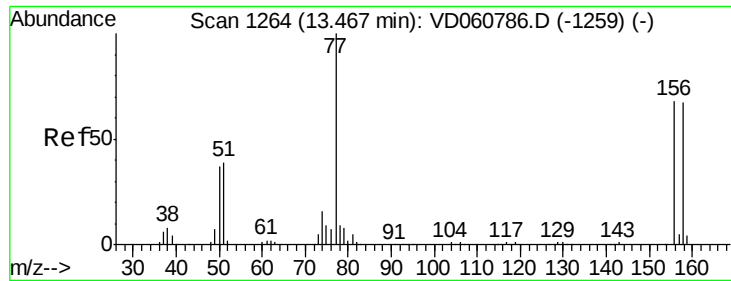
Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Tgt Ion:	75	Resp:	61234
Ion Ratio	Lower	Upper	
75	100		
77	30.9	17.5	52.5





#77

Bromobenzene

Concen: 9.126 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD060784.D

Acq: 23 Jan 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 69338

Ion Ratio Lower Upper

156 100

77 136.8 74.0 222.0

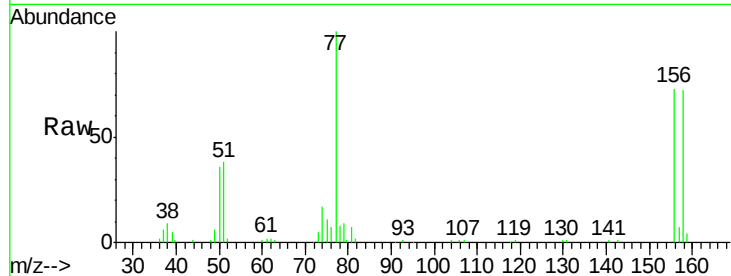
158 98.6 49.8 149.3

Manual Integrations

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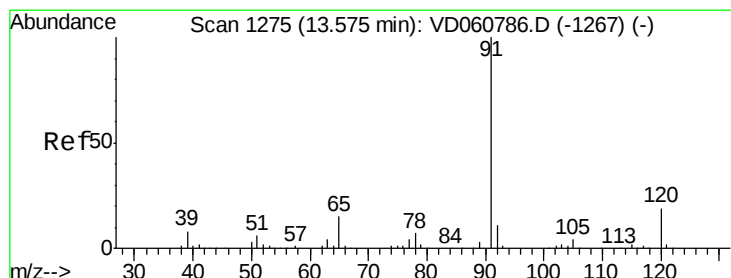
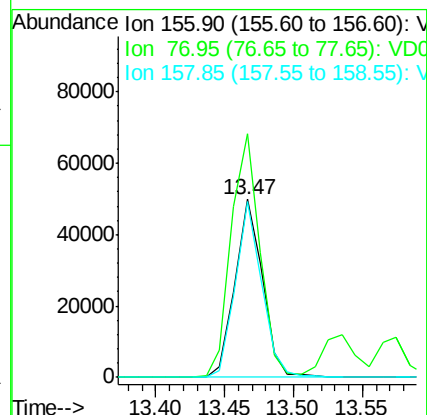
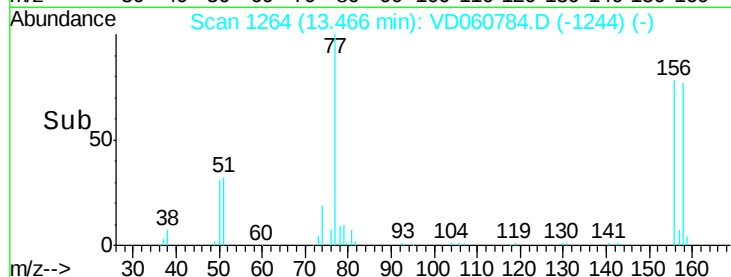
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 10.040 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VD060784.D

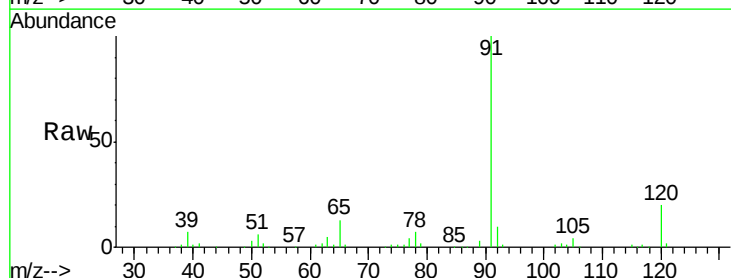
Acq: 23 Jan 2019 16:09

Tgt Ion: 91 Resp: 353477

Ion Ratio Lower Upper

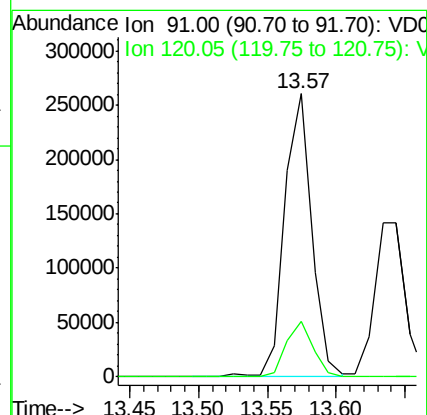
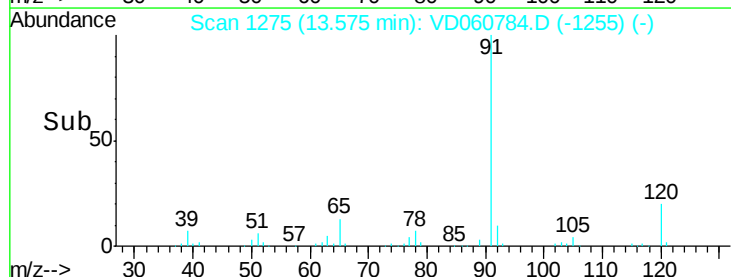
91 100

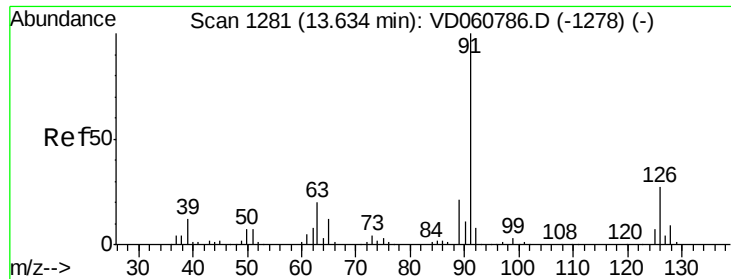
120 19.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





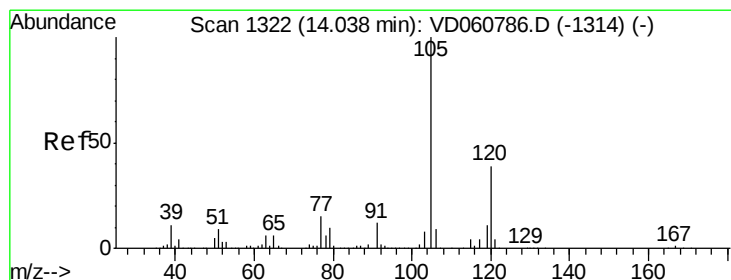
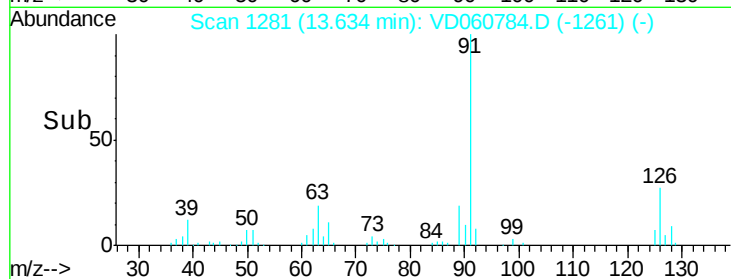
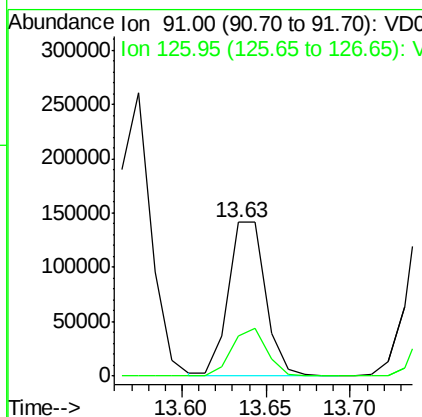
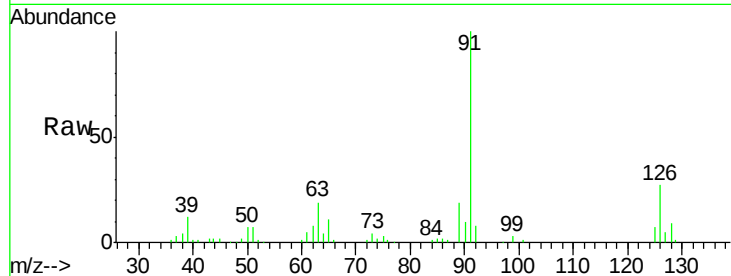
#79
 2-Chlorotoluene
 Concen: 10.551 ug/l
 RT: 13.63 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 215475
 Ion Ratio Lower Upper
 91 100
 126 26.5 13.4 40.1

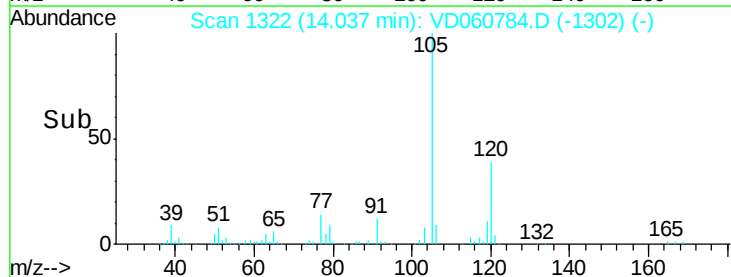
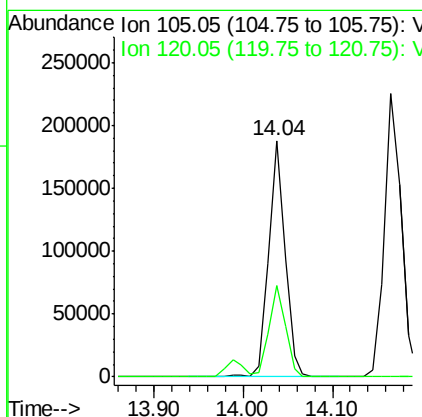
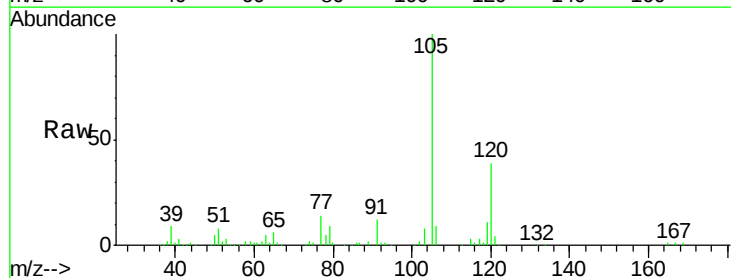
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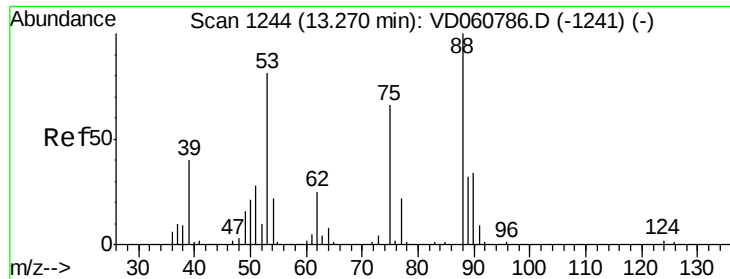
MMDadoda
 1/24/2019 12:49:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 9.899 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion: 105 Resp: 238069
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.5 58.5





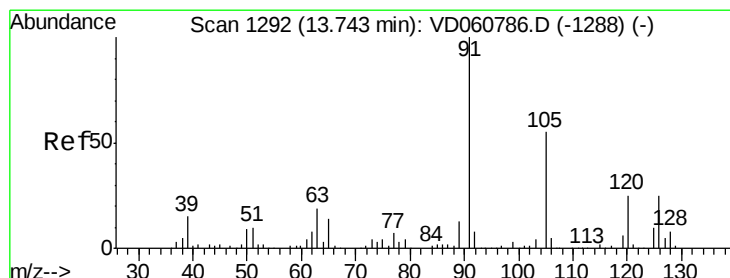
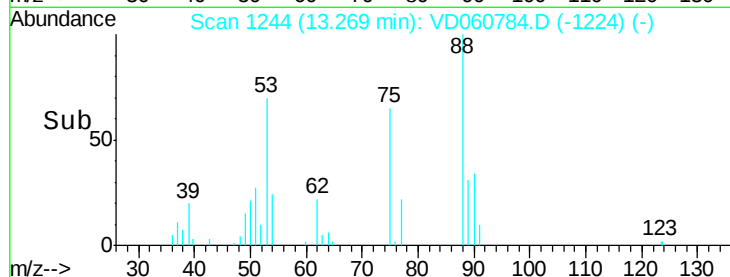
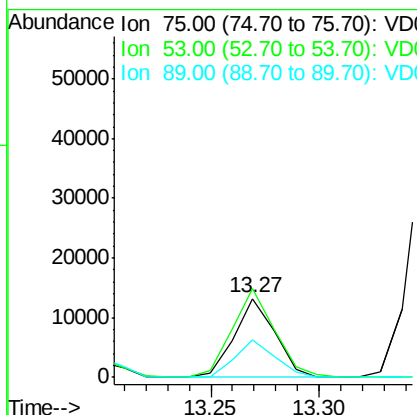
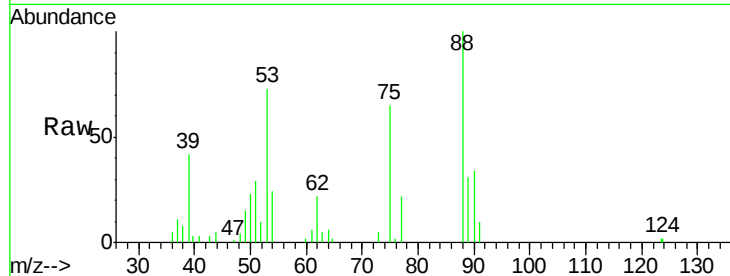
#81
trans-1,4-Dichloro-2-butene
Concen: 9.823 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.4	99.0	148.6
89	47.8	39.5	59.3

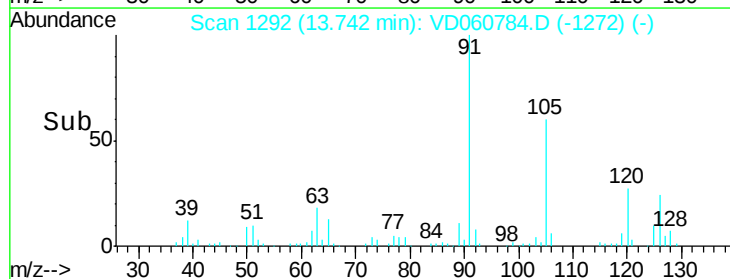
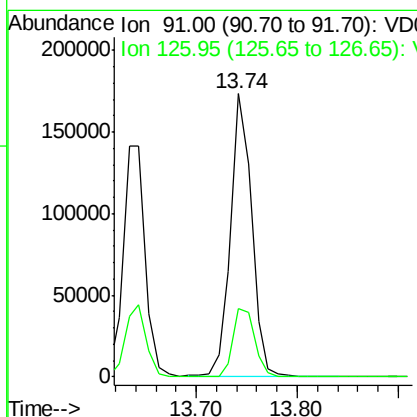
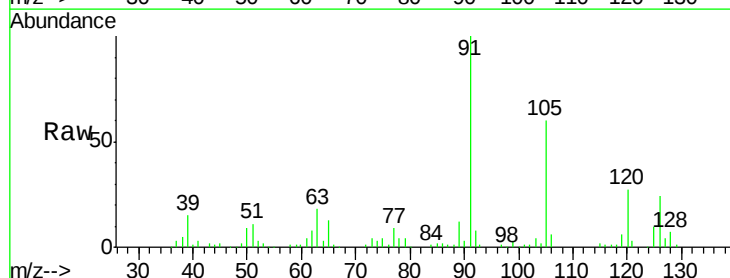
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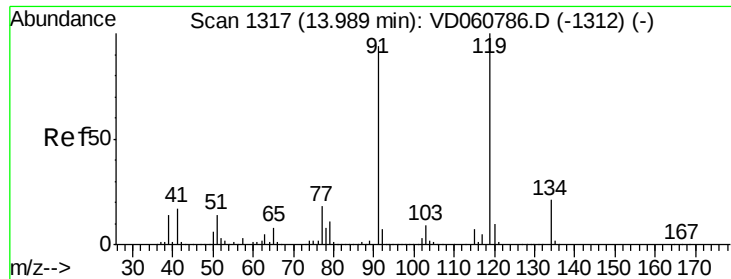
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.663 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.2	12.5	37.5





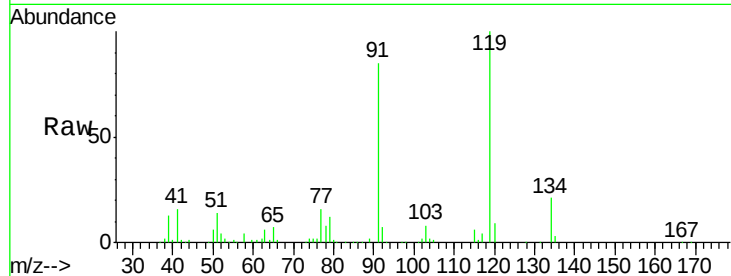
#83
tert-Butylbenzene
Concen: 10.487 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		259422		
91	85.1	46.9	140.7		
134	21.2	10.3	30.9		

Manual Integrations
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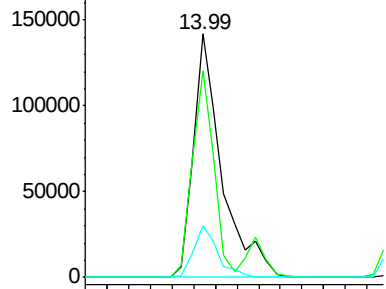
MMDadoda
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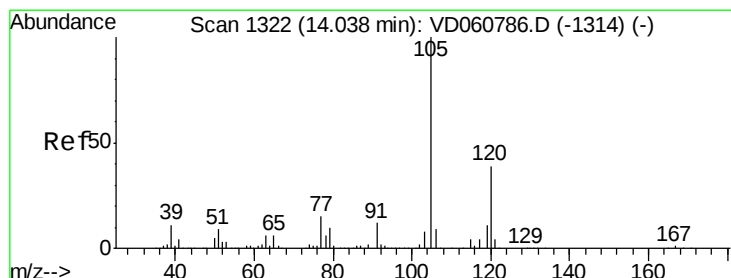
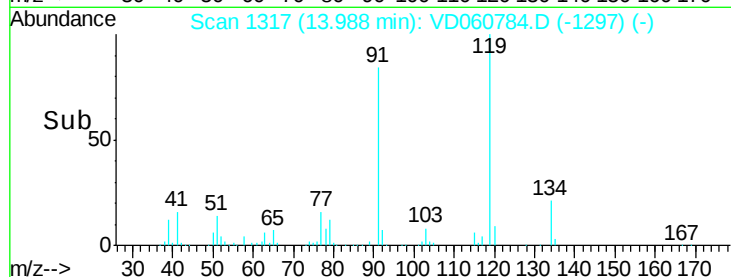
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

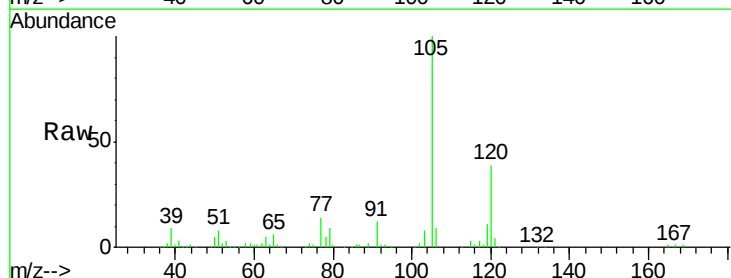


Time-->



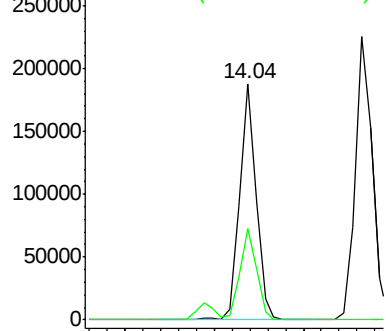
#84
1,2,4-Trimethylbenzene
Concen: 9.899 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		238069		
120	38.7	19.5	58.5		

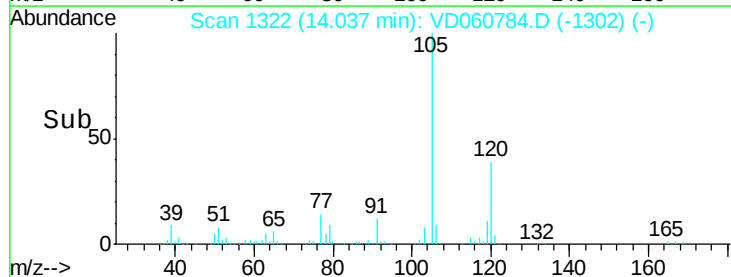


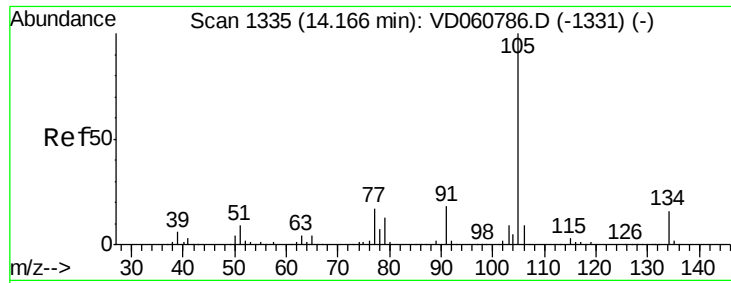
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->





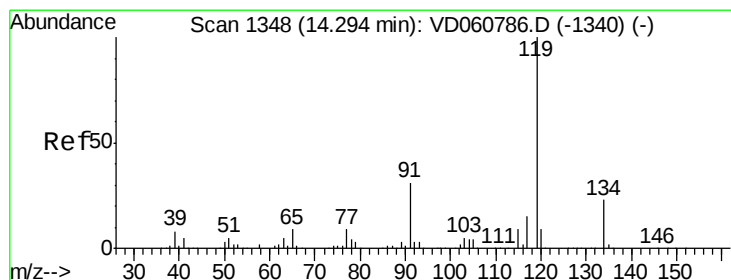
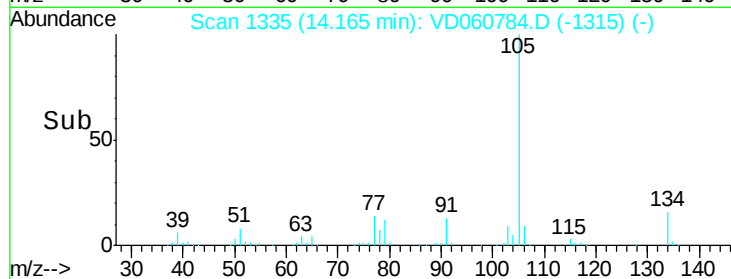
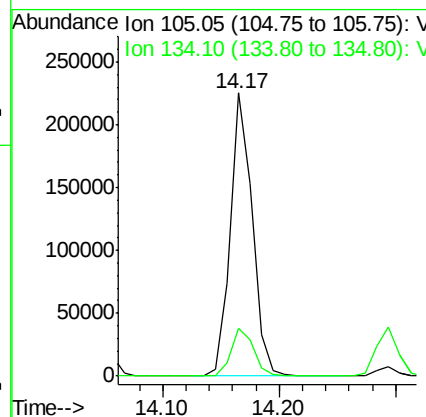
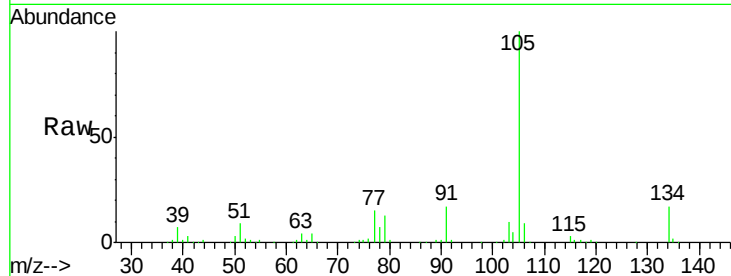
#85
 sec-Butylbenzene
 Concen: 9.739 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.8	8.1	24.1

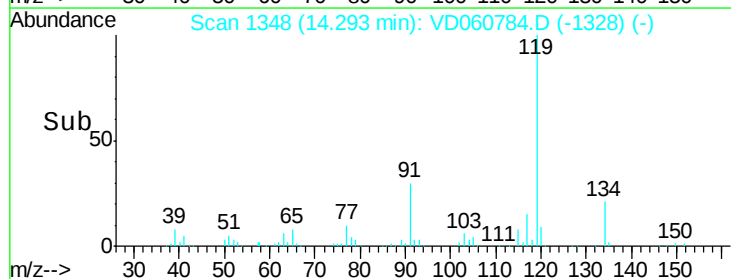
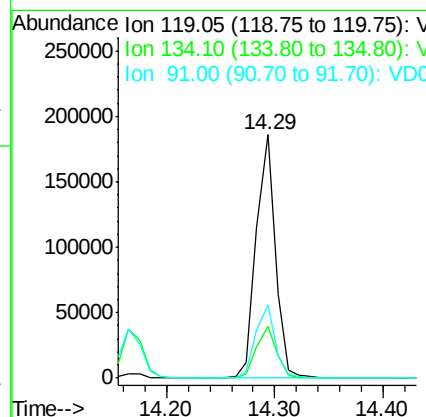
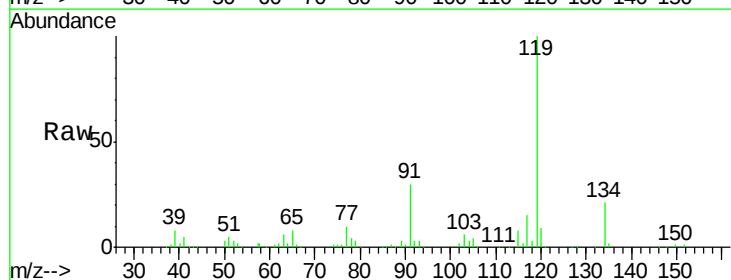
Manual Integrations
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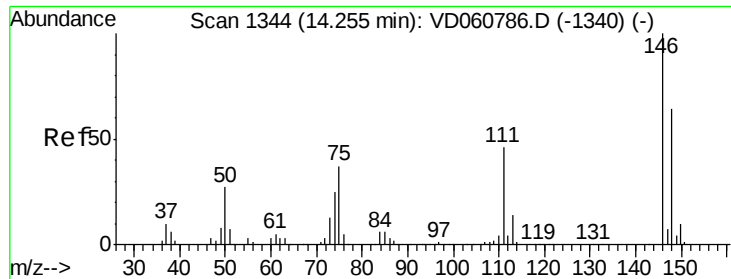
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#86
 p-Isopropyltoluene
 Concen: 9.257 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	21.0	11.4	34.2
91	30.2	15.8	47.4





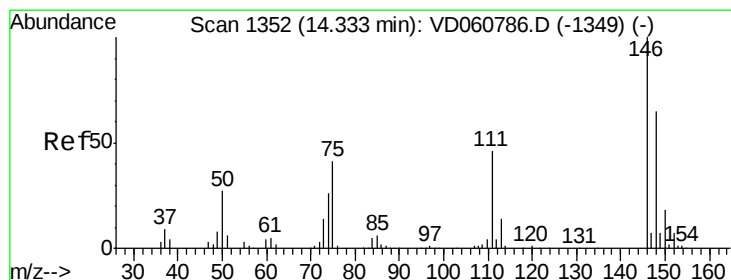
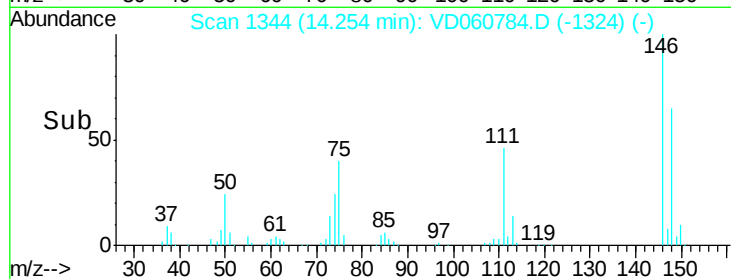
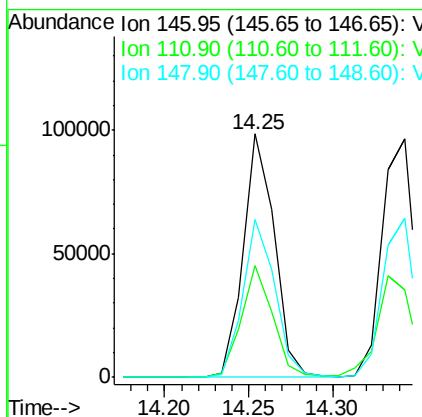
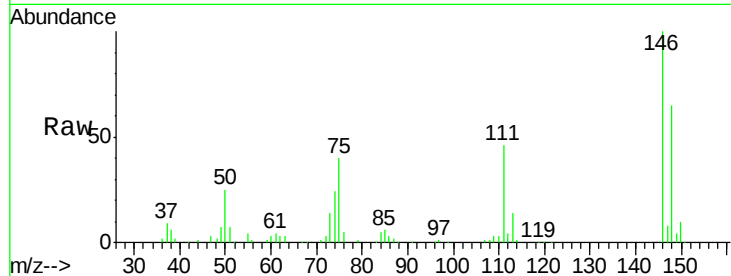
#87
 1,3-Dichlorobenzene
 Concen: 10.026 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.9	68.5
148	64.7	31.9	95.5

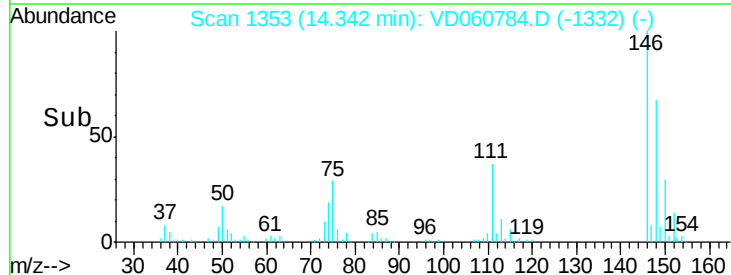
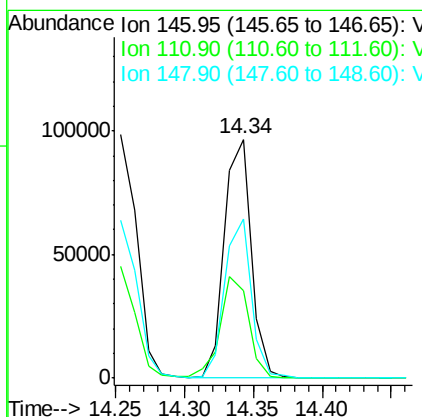
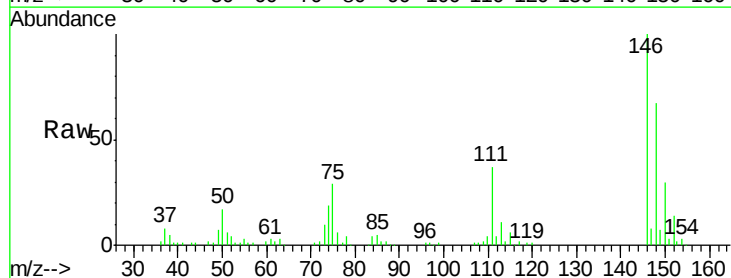
Manual Integrations
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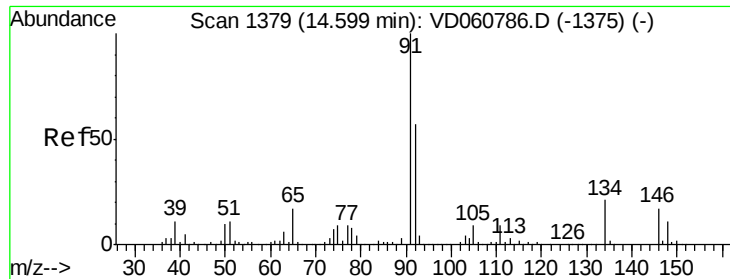
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 1/24/2019 12:49:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 10.187 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	23.0	69.0
148	66.8	32.3	96.9





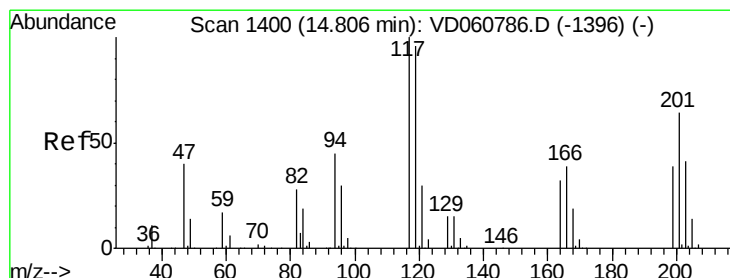
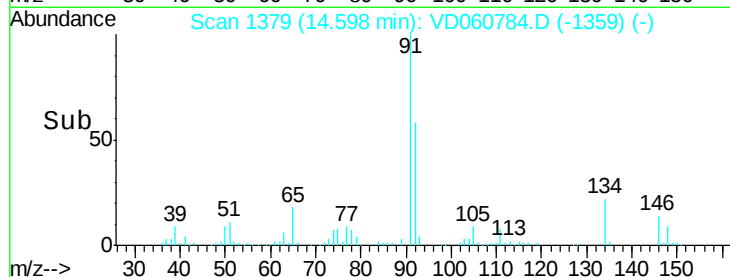
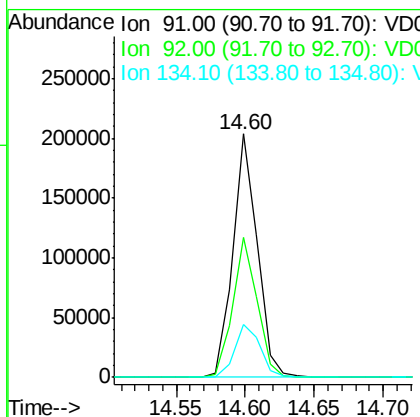
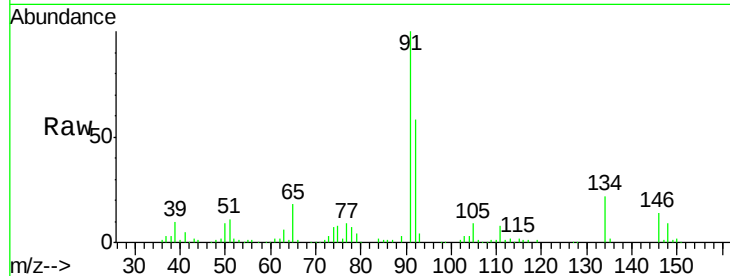
#89
n-Butylbenzene
Concen: 10.769 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		251006		
92	57.5	28.6		85.9	
134	21.9	10.4		31.1	

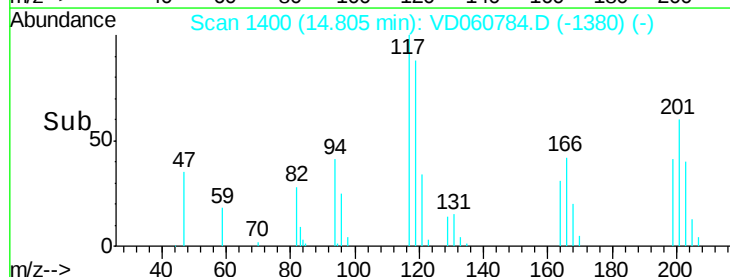
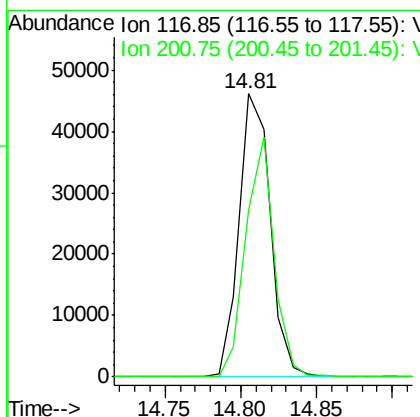
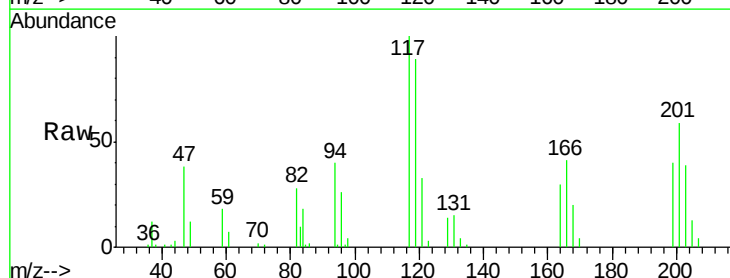
Manual Integrations
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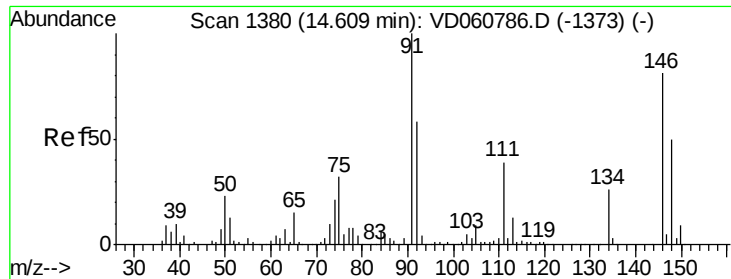
MMDadoda
1/24/2019 12:49:05 PM



#90
Hexachloroethane
Concen: 9.073 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		66095		
201	58.9	32.1		96.5	





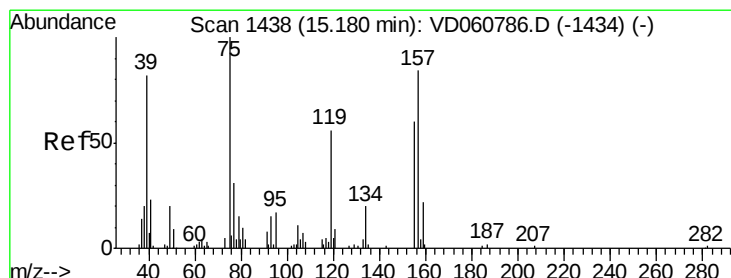
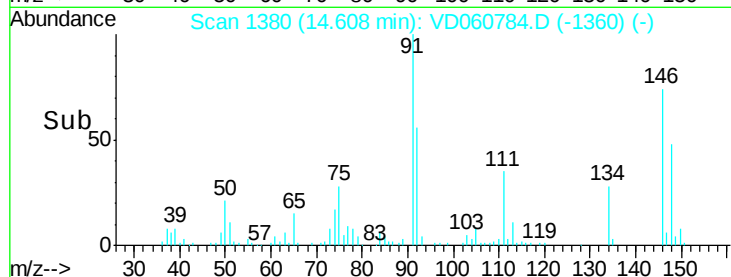
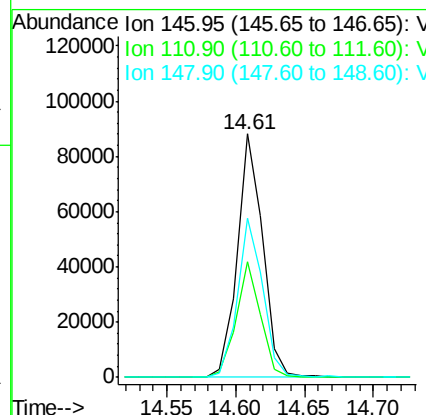
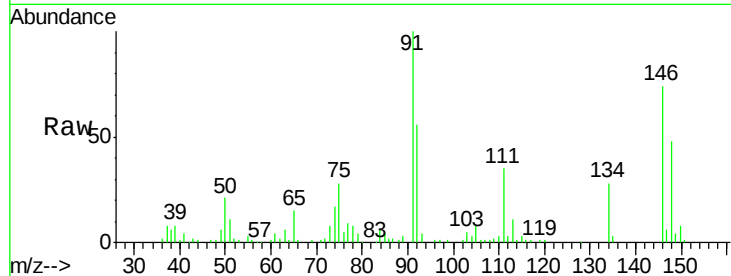
#91
 1,2-Dichlorobenzene
 Concen: 10.837 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	65.4	30.6	92.0

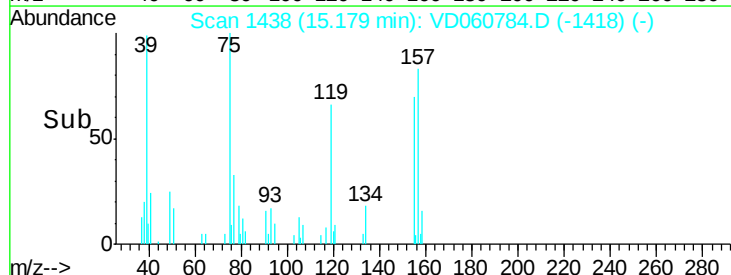
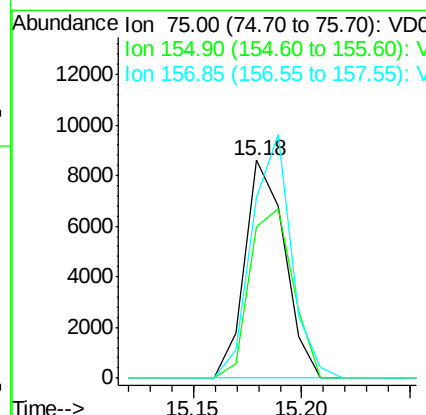
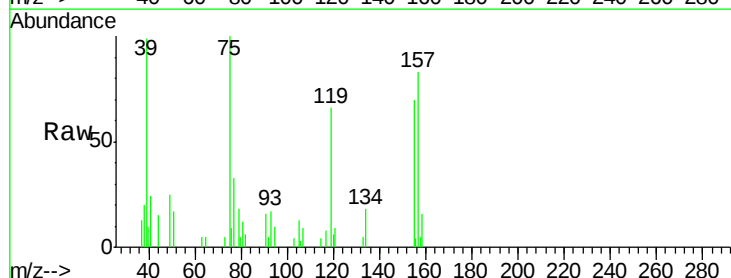
Manual Integrations
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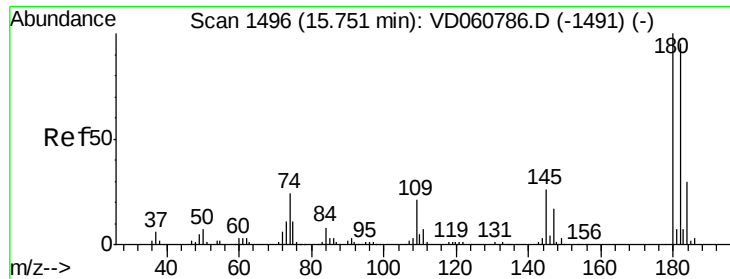
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.707 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	30.0	90.0
157	83.2	42.1	126.3





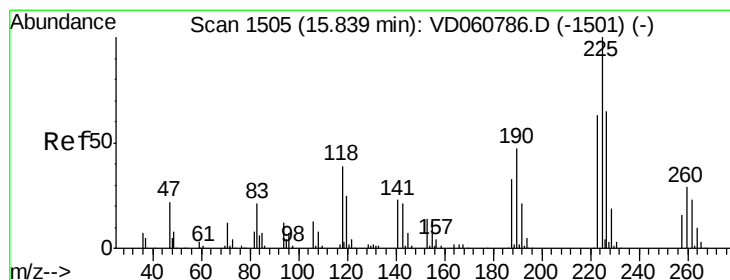
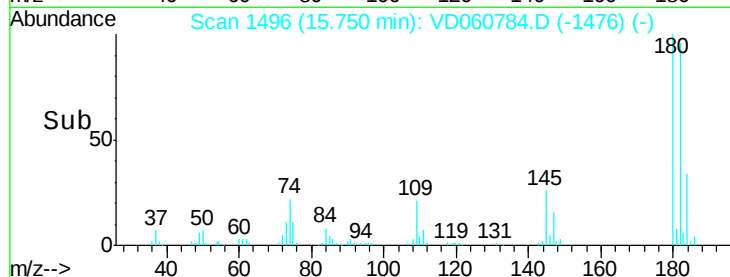
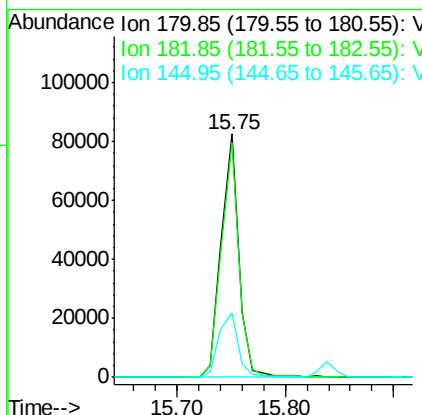
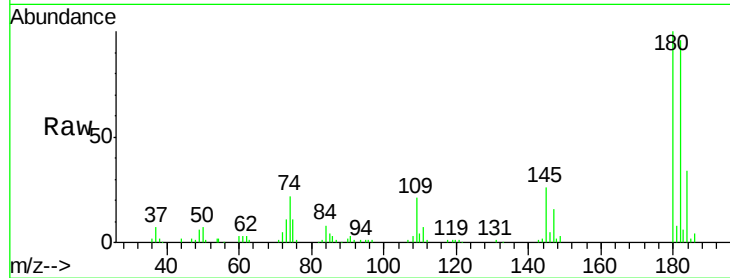
#93
 1,2,4-Trichlorobenzene
 Concen: 9.896 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	142.0
145	26.4	13.0	39.0

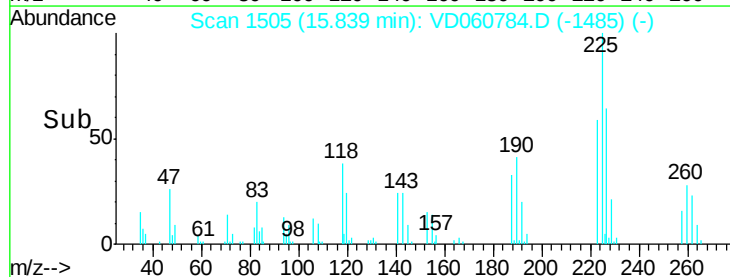
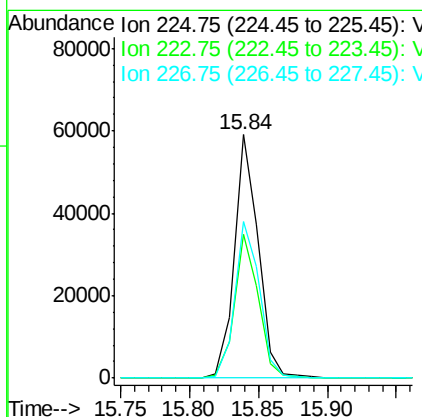
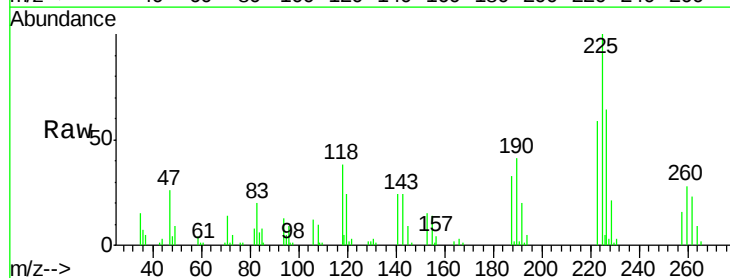
Manual Integrations
 APPROVED

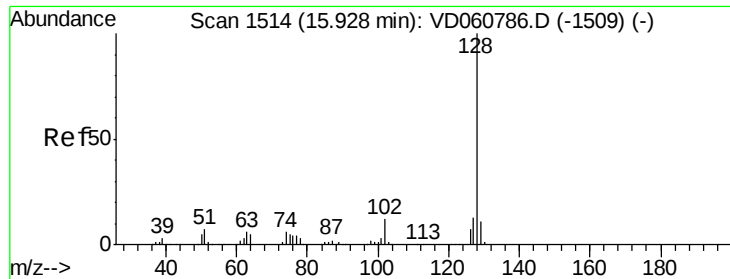
MMDadoda
 1/24/2019 12:49:05 PM



#94
 Hexachlorobutadiene
 Concen: 9.937 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060784.D
 Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.9	31.6	94.8
227	64.1	32.6	97.7





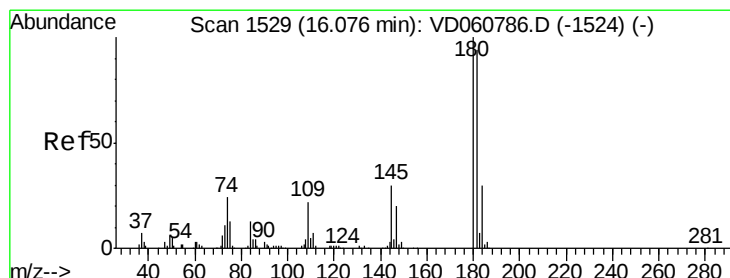
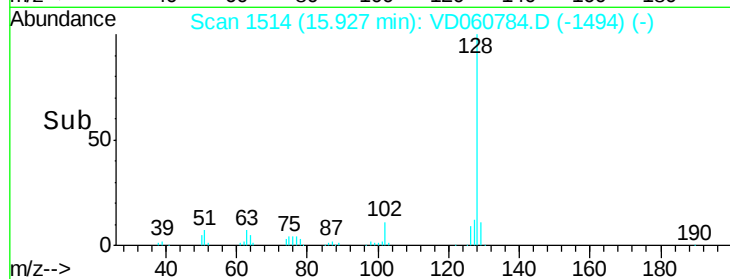
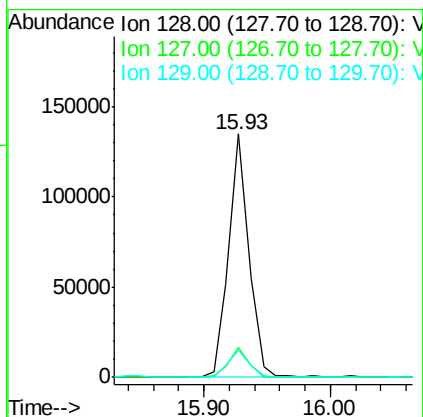
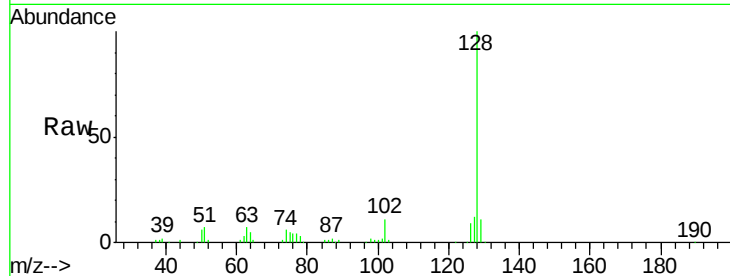
#95
Naphthalene
Concen: 10.375 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	150127		
127	12.4		10.4	15.6
129	11.1		8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 9.880 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VD060784.D
Acq: 23 Jan 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80274		
182	100.5		47.0	141.0
145	28.7		14.9	44.5

