

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060912.D
 Acq On : 1 Mar 2019 16:36
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:06 AM

Quant Time: Mar 02 01:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	700716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1294657	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1027515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	460703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	292469	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
35) Dibromofluoromethane	6.91	113	517513	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
50) Toluene-d8	10.40	98	1194205	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
62) 4-Bromofluorobenzene	13.55	95	476805	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	369751	48.389	ug/l	99
3) Chloromethane	1.76	50	302174	64.326	ug/l	98
4) Vinyl Chloride	1.85	62	285083	65.300	ug/l	98
5) Bromomethane	2.15	94	52459	64.222	ug/l #	93
6) Chloroethane	2.27	64	83524	70.507	ug/l	97
7) Trichlorofluoromethane	2.53	101	366515	51.791	ug/l	94
8) Diethyl Ether	2.87	74	153609	126.223	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	472038	108.469	ug/l	91
10) Methyl Iodide	3.30	142	664874	53.509	ug/l	98
11) Tert butyl alcohol	4.05	59	105954	267.915	ug/l	98
12) 1,1-Dichloroethene	3.12	96	402437	123.786	ug/l	97
13) Acrolein	3.04	56	146521	668.237	ug/l	95
14) Allyl chloride	3.62	41	624183	58.807	ug/l	92
15) Acrylonitrile	4.19	53	394550	319.499	ug/l	98
16) Acetone	3.21	43	491107	310.804	ug/l #	89
17) Carbon Disulfide	3.38	76	1386436	57.718	ug/l	100
18) Methyl Acetate	3.64	43	183033	55.830	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	690959	50.699	ug/l #	90
20) Methylene Chloride	3.81	84	459409	51.753	ug/l #	85
21) trans-1,2-Dichloroethene	4.22	96	425343	59.037	ug/l	96
22) Diisopropyl ether	5.11	45	1393239	66.917	ug/l	93
23) Vinyl Acetate	5.04	43	3531109	299.704	ug/l	98
24) 1,1-Dichloroethane	4.97	63	714292	62.801	ug/l	99
25) 2-Butanone	6.06	43	620807	297.679	ug/l	100
26) 2,2-Dichloropropane	6.02	77	543542	50.340	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	488097	61.694	ug/l	99
28) Bromochloromethane	6.43	49	319466	71.400	ug/l	99
29) Tetrahydrofuran	6.44	42	301974	290.578	ug/l	96
30) Chloroform	6.65	83	692641	51.478	ug/l	100
31) Cyclohexane	6.94	56	660485	70.013	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	620788	59.265	ug/l	97
36) 1,1-Dichloropropene	7.14	75	561473	41.452	ug/l	94
37) Ethyl Acetate	6.17	43	280243	44.008	ug/l	98
38) Carbon Tetrachloride	7.10	117	645354	51.347	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.85	83	638282	44.329	ug/l #	82
40) Benzene	7.45	78	1402489	41.663	ug/l	99
41) Methacrylonitrile	6.43	41	159823m	46.457	ug/l	
42) 1,2-Dichloroethane	7.56	62	392745	42.898	ug/l	100
43) Isopropyl Acetate	9.23	43	418865	46.436	ug/l	100
44) Trichloroethene	8.53	130	512435	46.681	ug/l	97
45) 1,2-Dichloropropane	8.93	63	378654	48.155	ug/l	97
46) Dibromomethane	9.05	93	250558	44.347	ug/l	90
47) Bromodichloromethane	9.37	83	537705	40.129	ug/l	98
48) Methyl methacrylate	9.11	41	225197	43.364	ug/l	98
49) 1,4-Dioxane	9.07	88	50534	928.892	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1216985	218.713	ug/l	91
52) Toluene	10.50	92	906397	46.490	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501321	40.529	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	618819	43.423	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	294525	44.040	ug/l	94
56) Ethyl methacrylate	11.03	69	335023	44.021	ug/l	95
57) 1,3-Dichloropropane	11.40	76	449535	40.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	820832	225.111	ug/l	100
59) 2-Hexanone	11.52	43	899650	210.595	ug/l	95
60) Dibromochloromethane	11.68	129	452842	47.122	ug/l	98
61) 1,2-Dibromoethane	11.80	107	361370	47.733	ug/l	96
64) Tetrachloroethene	11.25	164	388813	42.350	ug/l #	91
65) Chlorobenzene	12.39	112	1129292	54.226	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	398491	48.084	ug/l	95
67) Ethyl Benzene	12.52	91	1619521	45.689	ug/l	91
68) m/p-Xylenes	12.66	106	1265992	101.049	ug/l	81
69) o-Xylene	13.04	106	632055	52.382	ug/l	83
70) Styrene	13.07	104	1036153	51.093	ug/l	96
71) Bromoform	13.22	173	265234	40.245	ug/l	99
73) Isopropylbenzene	13.40	105	1719134	63.772	ug/l	97
74) N-amyl acetate	13.26	43	474494	50.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	348043	52.422	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	351909	51.335	ug/l	100
77) Bromobenzene	13.67	156	450435	51.917	ug/l	88
78) n-propylbenzene	13.77	91	1952042	54.269	ug/l	96
79) 2-Chlorotoluene	13.83	91	1105835	53.752	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	109973	50.350	ug/l	99
82) 4-Chlorotoluene	13.94	91	1252968	55.512	ug/l	95
83) tert-Butylbenzene	14.19	119	1571565	61.427	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
85) sec-Butylbenzene	14.37	105	1726803	60.457	ug/l	98
86) p-Isopropyltoluene	14.48	119	1462951	60.992	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	790502	49.818	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	772059	50.379	ug/l	97
89) n-Butylbenzene	14.79	91	1306517	52.577	ug/l	97
90) Hexachloroethane	15.01	117	414676	60.927	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	660065	49.960	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	43187	46.448	ug/l	89

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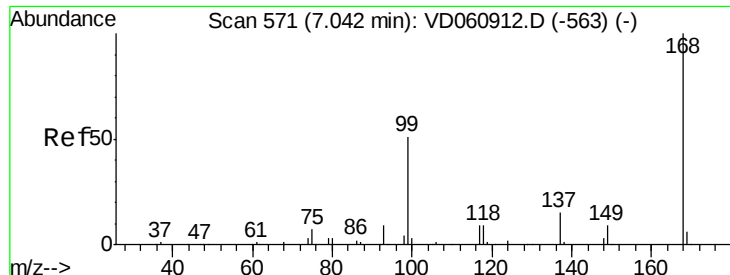
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	379686	40.608	ug/l	99
94) Hexachlorobutadiene	16.03	225	262883	46.860	ug/l	99
95) Naphthalene	16.12	128	556217	39.458	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	211133	29.364	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 700716

Ion Ratio Lower Upper

168 100

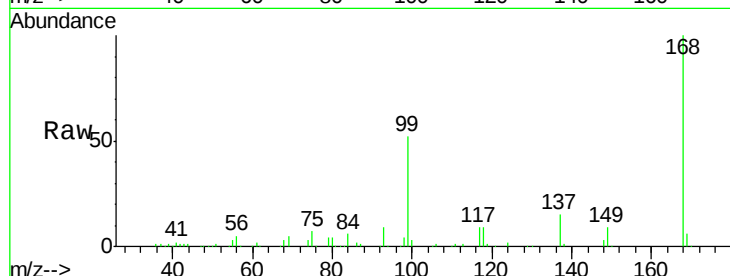
99 51.9 38.2 57.4

Manual Integrations

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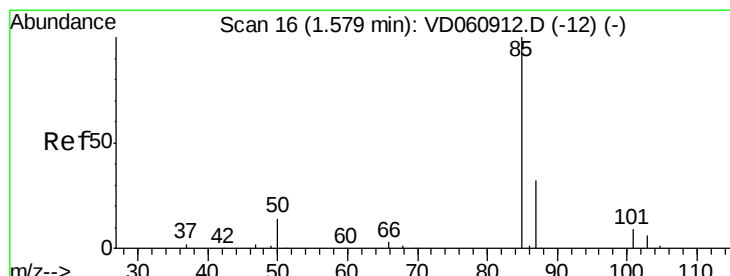
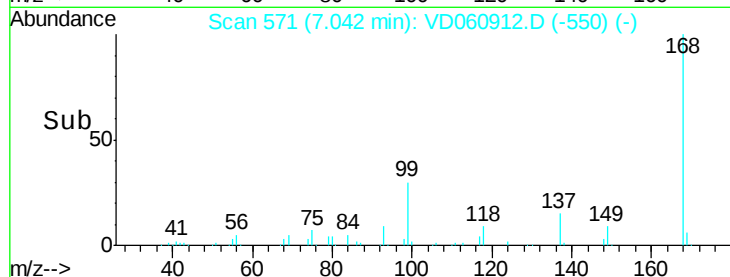
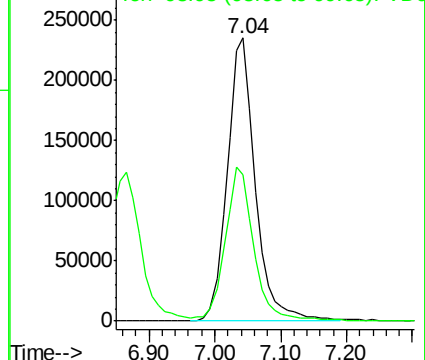
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.389 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060912.D

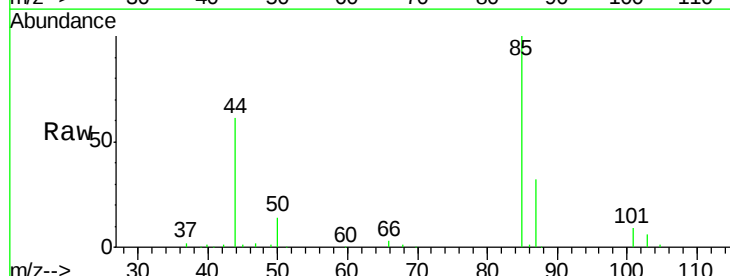
Acq: 1 Mar 2019 16:36

Tgt Ion: 85 Resp: 369751

Ion Ratio Lower Upper

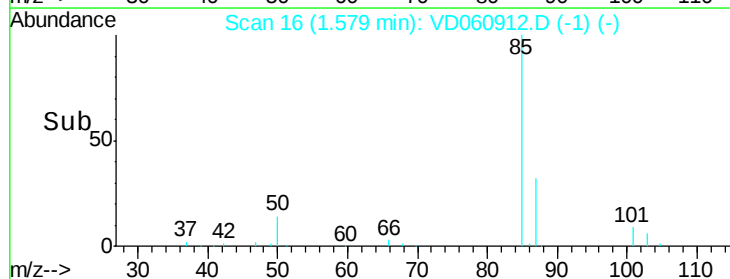
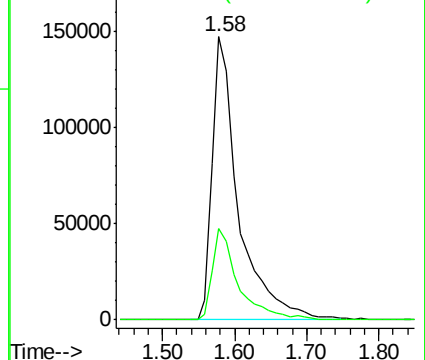
85 100

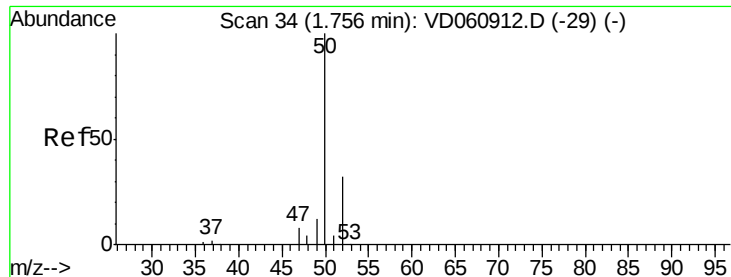
87 32.5 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 64.326 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 302174

Ion Ratio Lower Upper

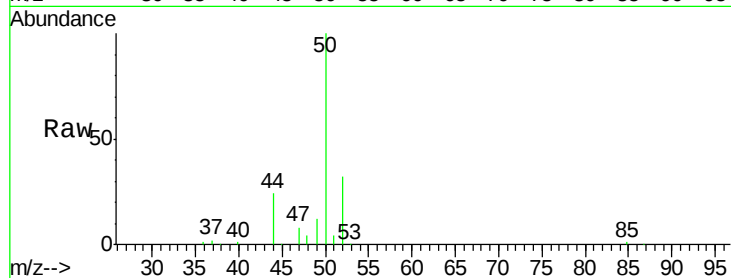
50 100

52 32.2 26.8 40.2

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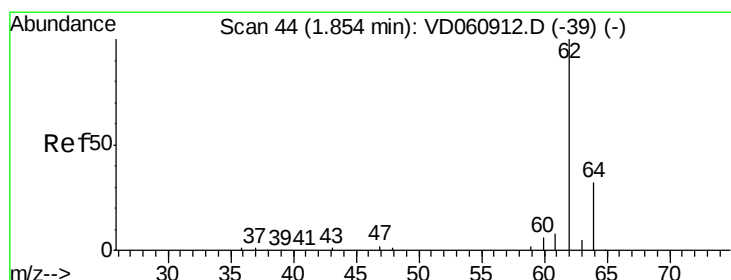
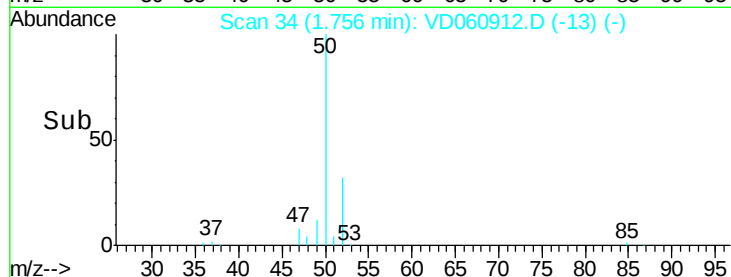
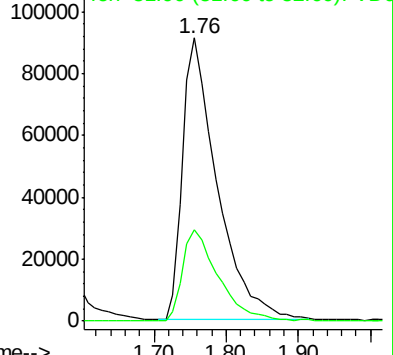
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 65.300 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060912.D

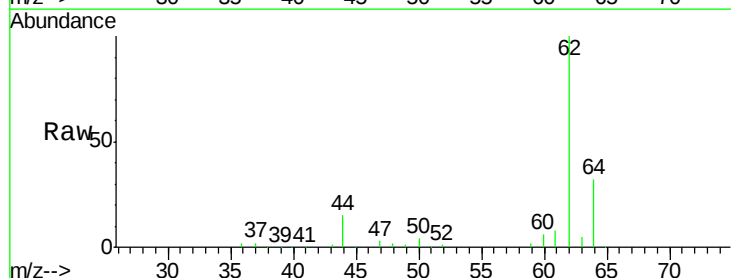
Acq: 1 Mar 2019 16:36

Tgt Ion: 62 Resp: 285083

Ion Ratio Lower Upper

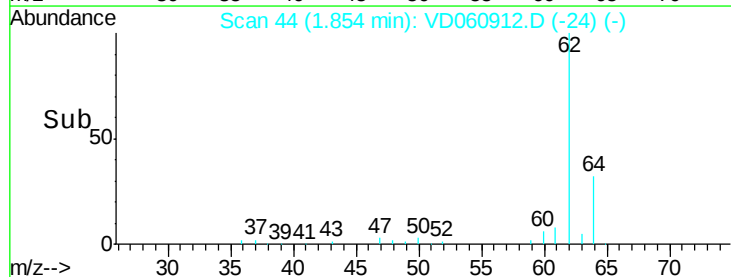
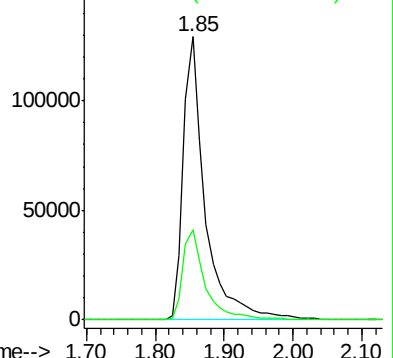
62 100

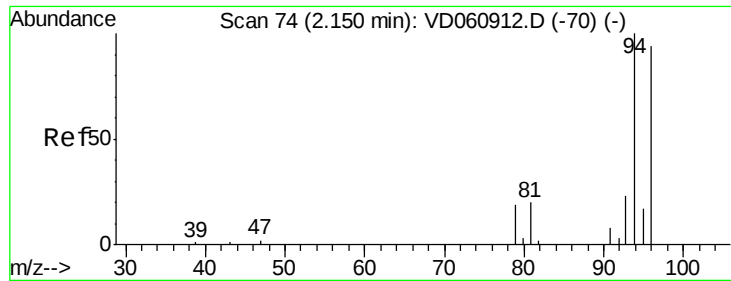
64 31.8 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.222 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 52459

Ion Ratio Lower Upper

94 100

96 93.9 81.0 121.4

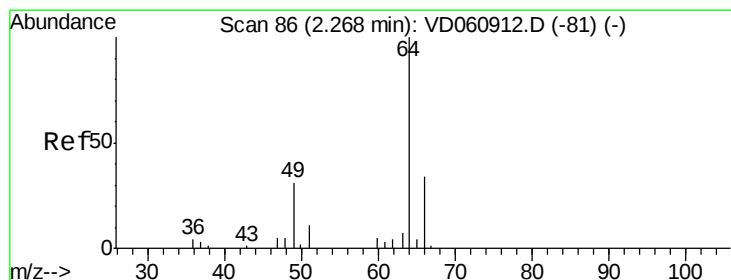
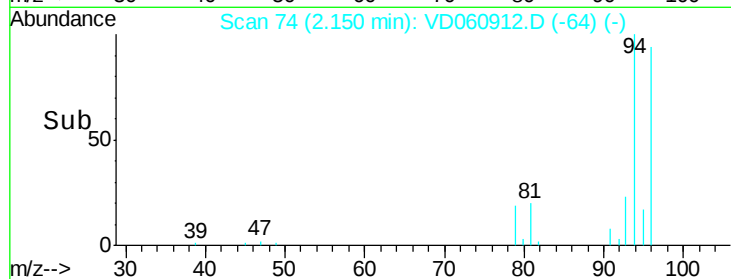
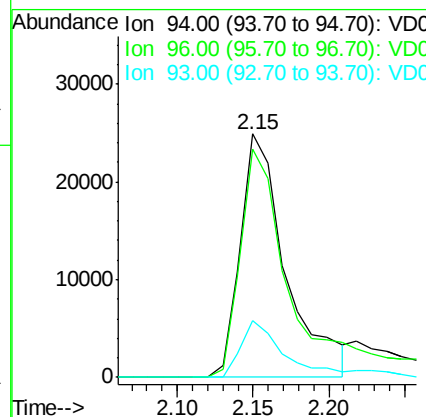
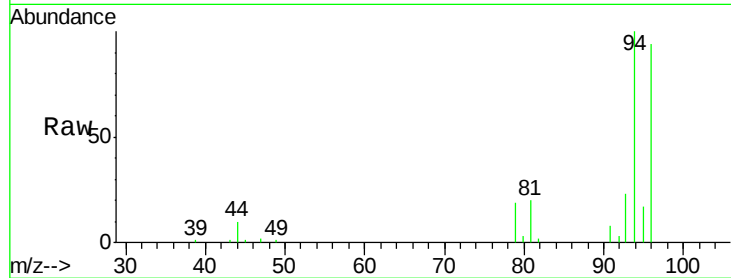
93 23.3 0.0 0.0#

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#6

Chloroethane

Concen: 70.507 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD060912.D

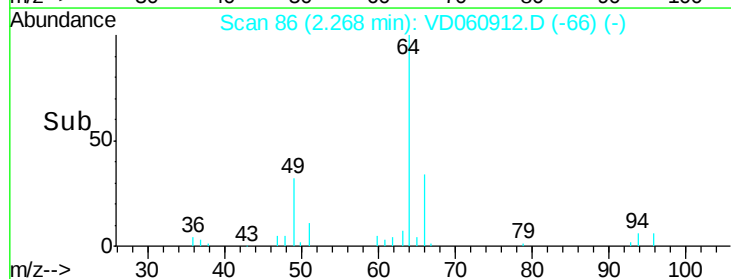
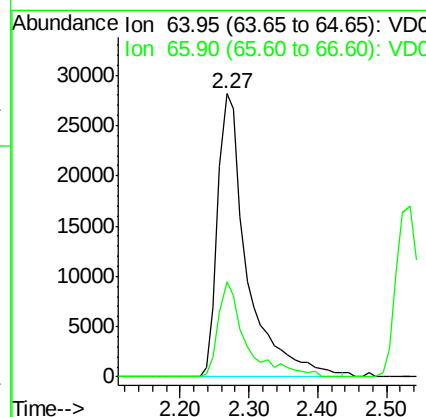
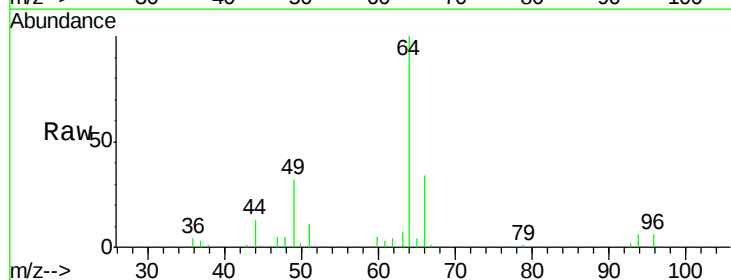
Acq: 1 Mar 2019 16:36

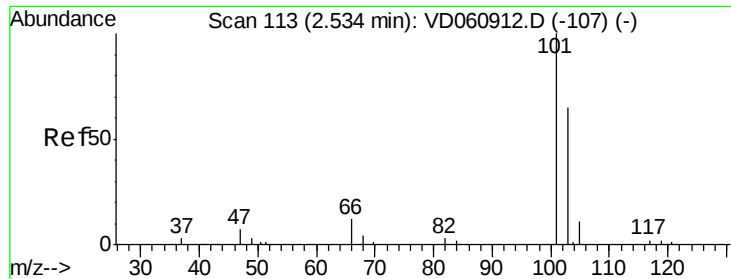
Tgt Ion: 64 Resp: 83524

Ion Ratio Lower Upper

64 100

66 33.8 25.8 38.6





#7

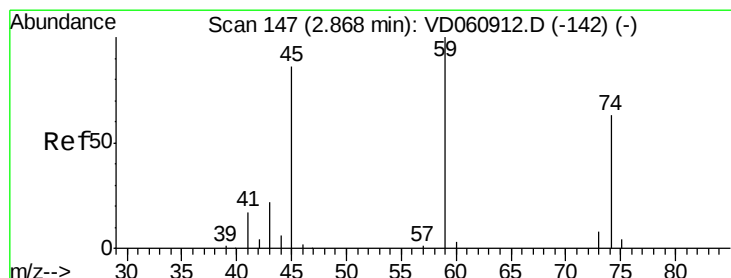
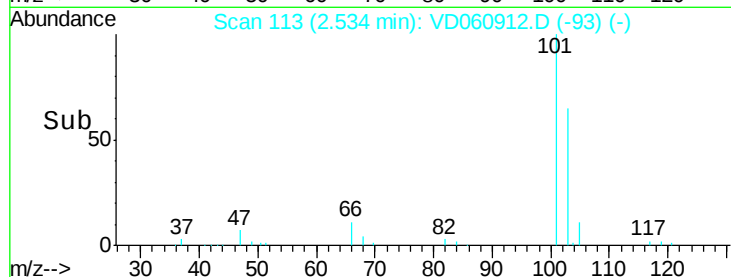
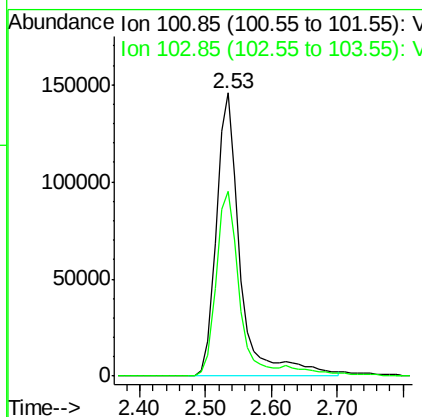
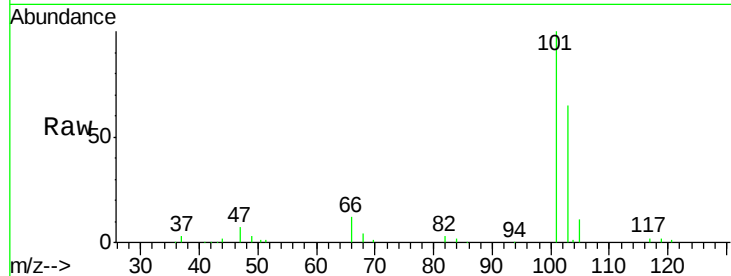
Trichlorofluoromethane
 Concen: 51.791 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	48.6	72.8

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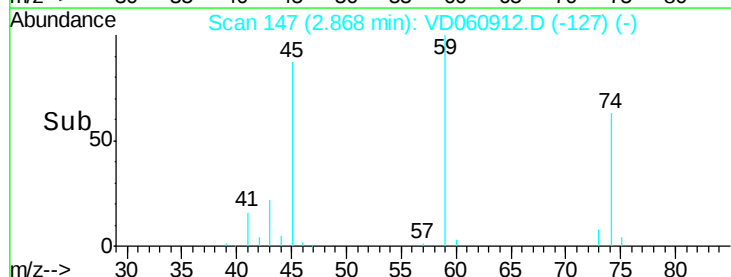
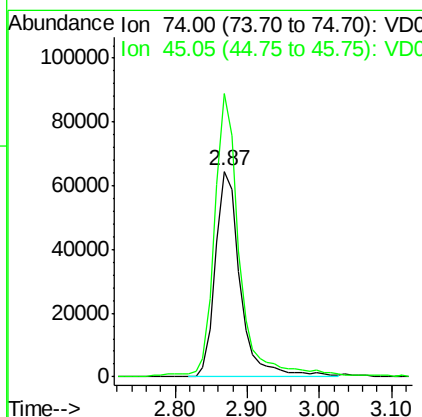
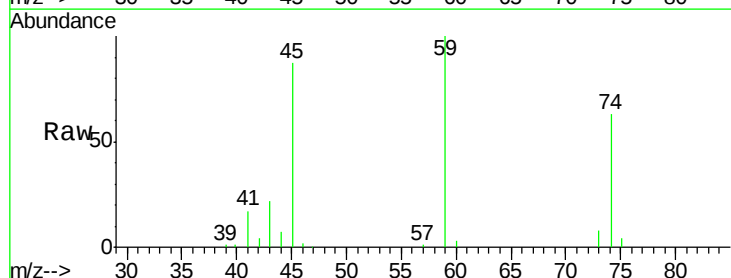
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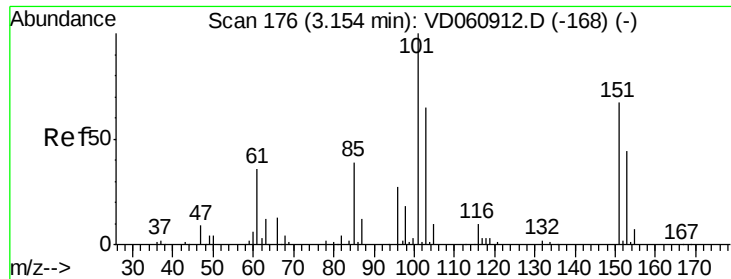


#8

Diethyl Ether
 Concen: 126.223 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.6	64.8	194.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.469 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

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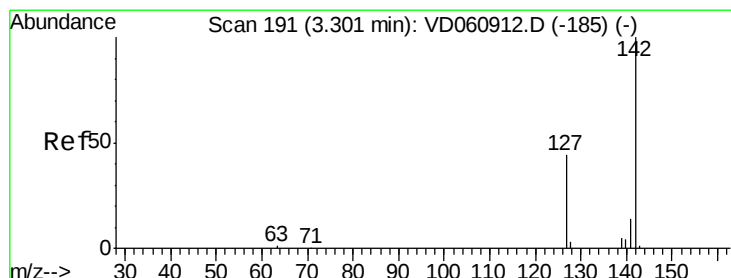
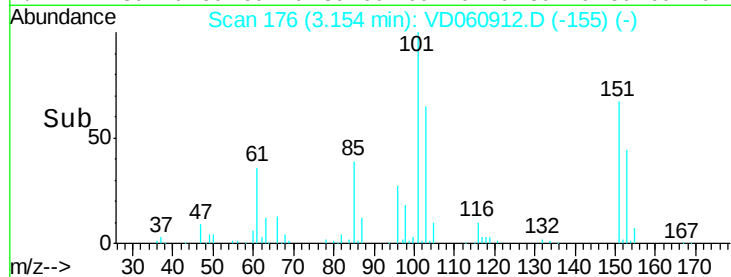
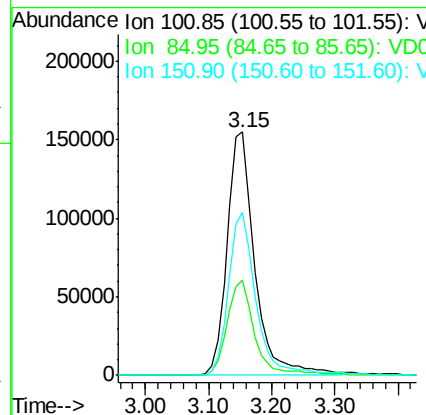
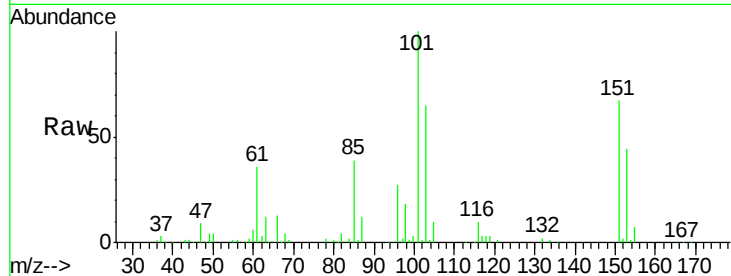
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	472038
Ion Ratio	Lower	Upper	
101	100		
85	38.8	34.7	52.1
151	67.2	61.2	91.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:06 AM



#10

Methyl Iodide

Concen: 53.509 ug/l

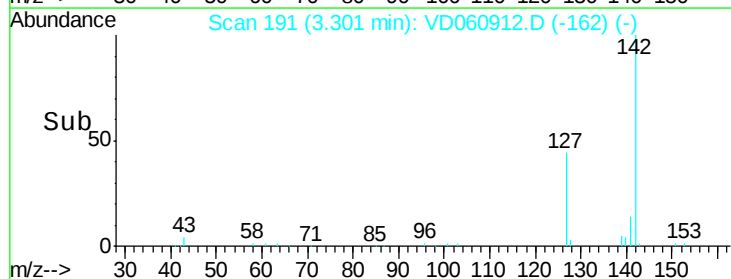
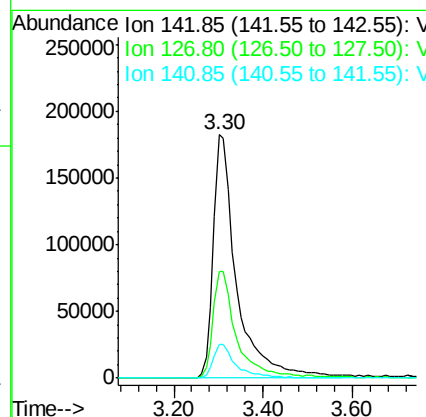
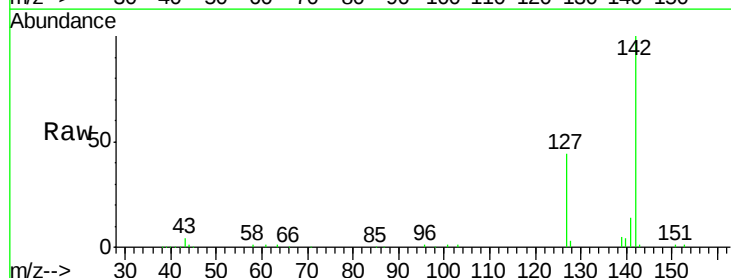
RT: 3.30 min Scan# 191

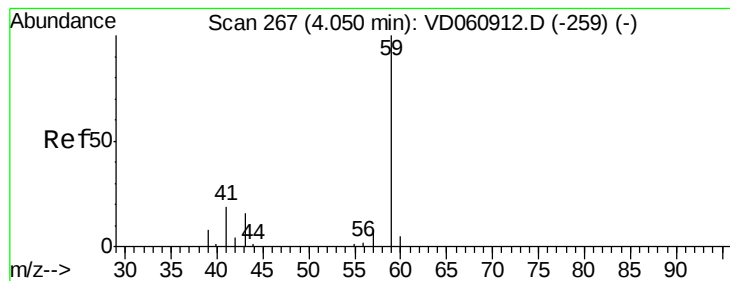
Delta R.T. -0.02 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	142	Resp:	664874
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.4
141	13.7	11.4	17.2





#11

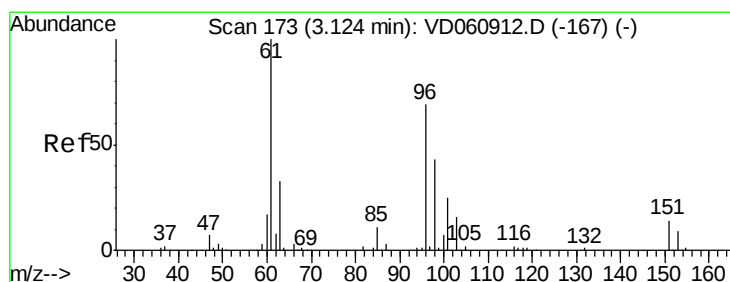
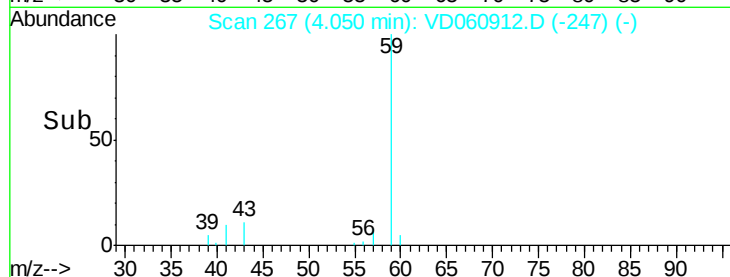
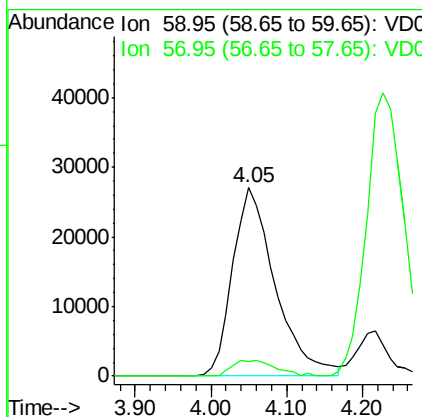
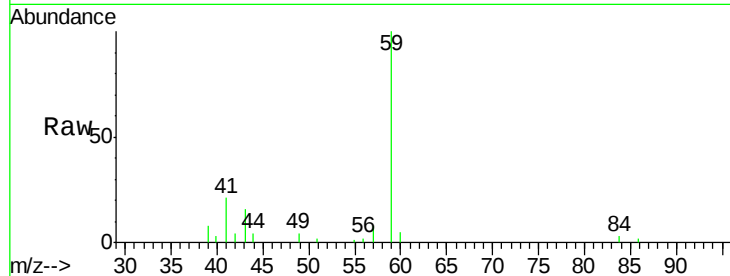
Tert butyl alcohol
 Concen: 267.915 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	5.8	8.8

Manual Integrations
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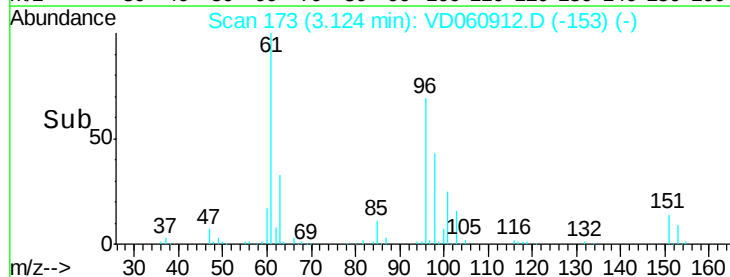
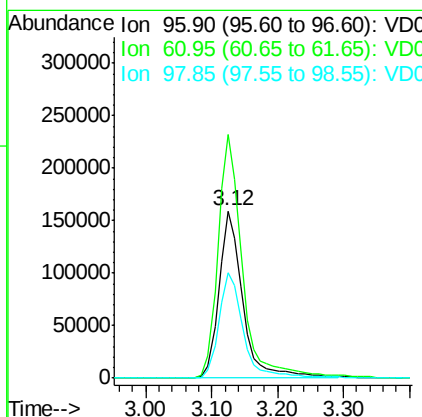
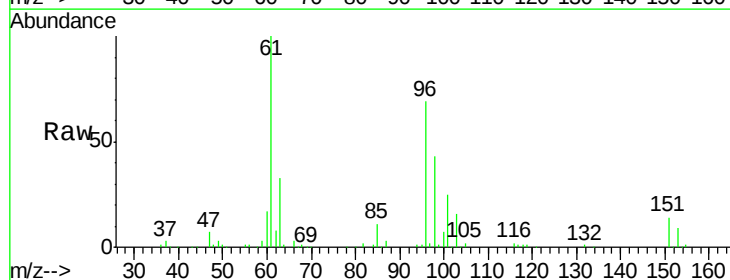
MMDadoda
 3/6/2019 5:33:06 AM

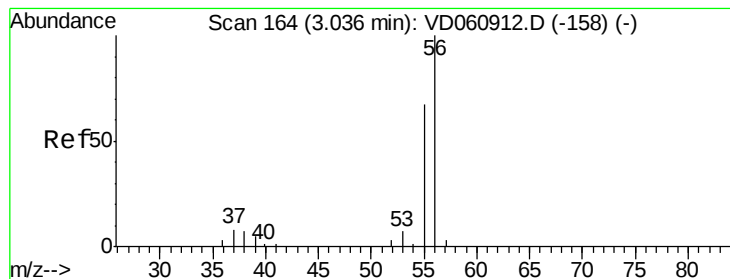


#12

1,1-Dichloroethene
 Concen: 123.786 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	112.4	168.6
98	63.1	51.0	76.6





#13

Acrolein

Concen: 668.237 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 146521

Ion Ratio Lower Upper

56 100

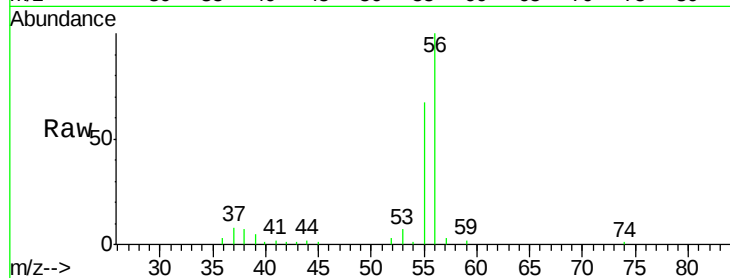
55 66.9 56.8 85.2

Manual Integrations

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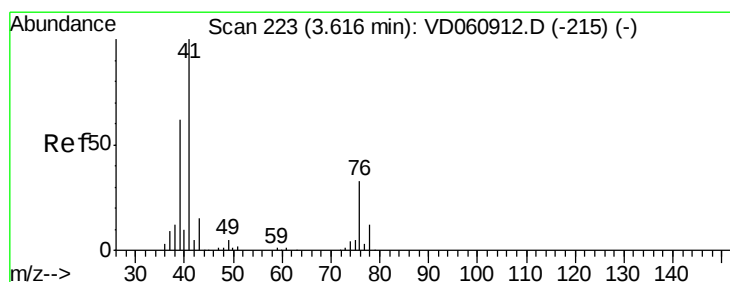
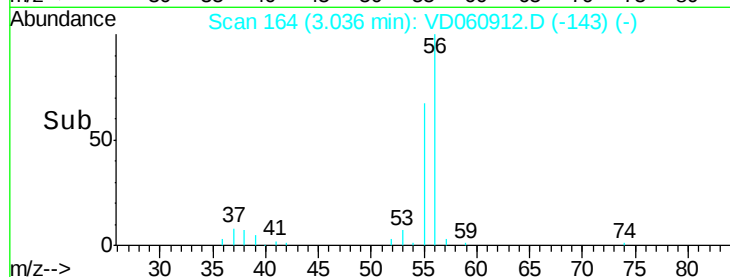
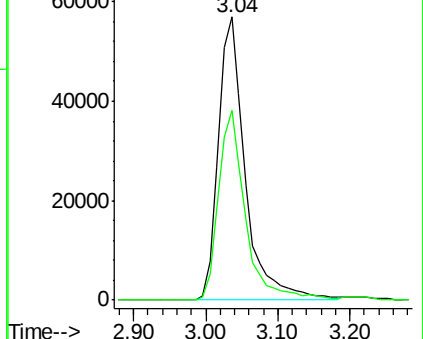
MMDadoda

3/6/2019 5:33:06 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.807 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

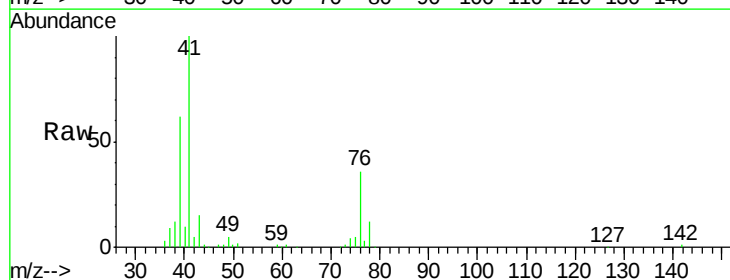
Tgt Ion: 41 Resp: 624183

Ion Ratio Lower Upper

41 100

39 62.4 55.7 83.5

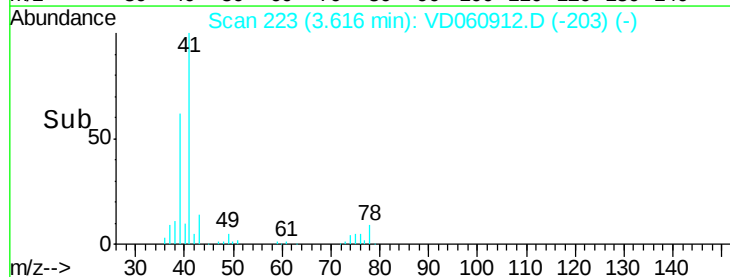
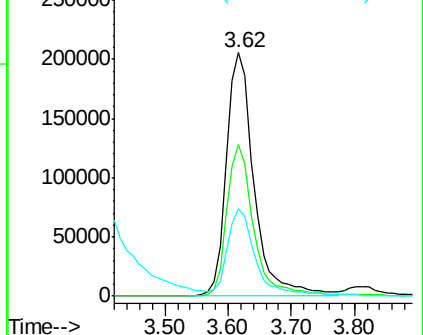
76 35.7 31.3 46.9

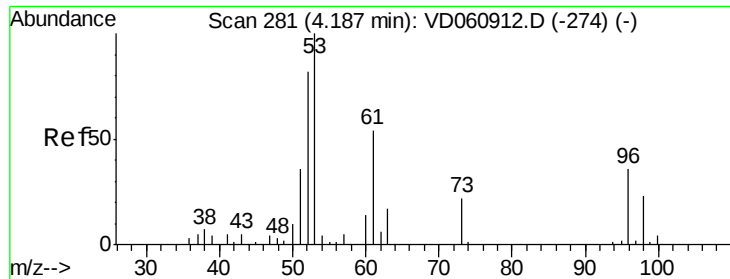


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 319.499 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

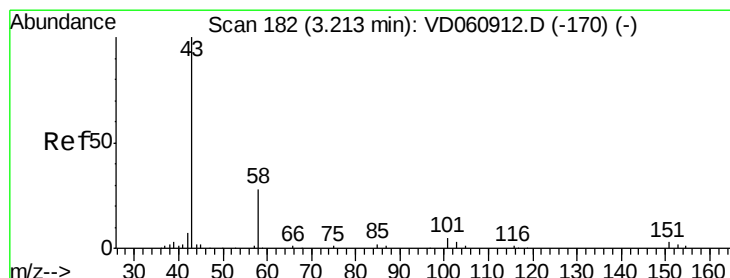
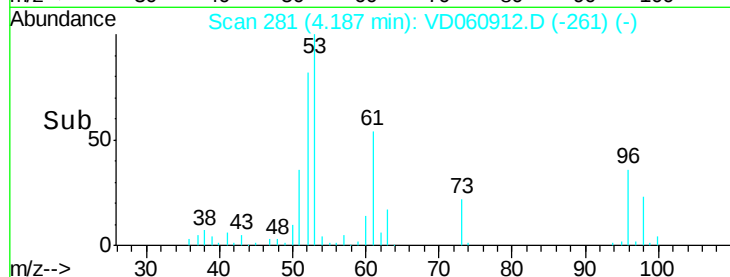
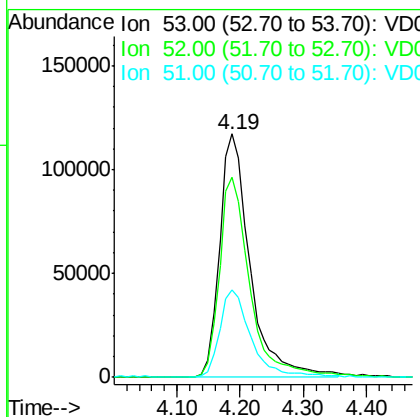
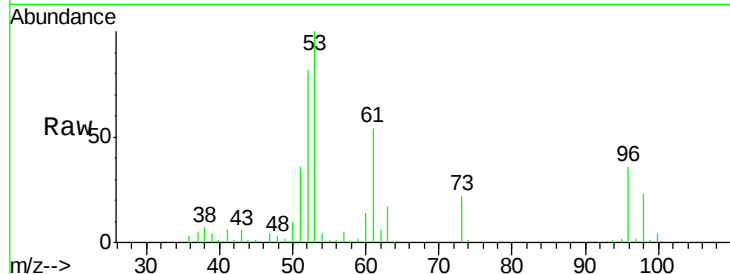
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	394550
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	36.1	31.0	46.6

Manual Integrations
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3/6/2019 5:33:06 AM



#16

Acetone

Concen: 310.804 ug/l

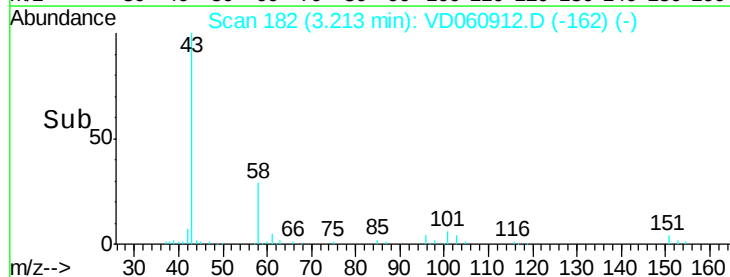
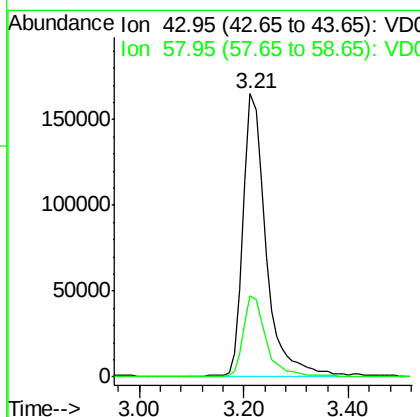
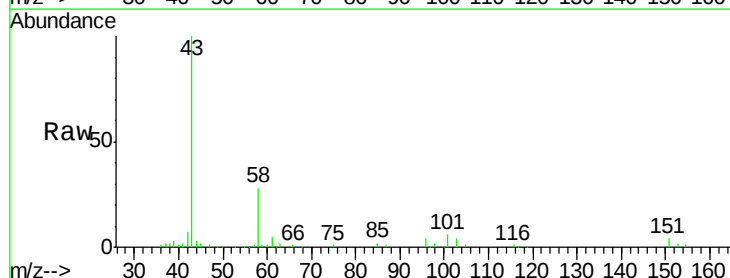
RT: 3.21 min Scan# 182

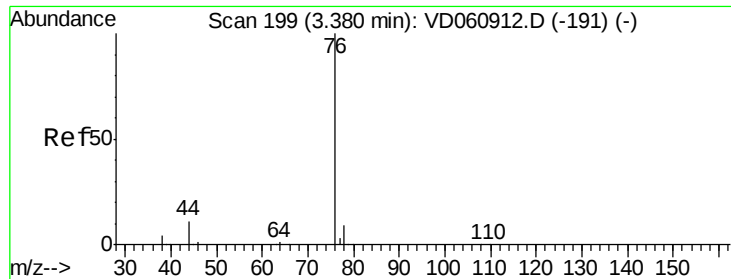
Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	43	Resp:	491107
Ion Ratio	Lower	Upper	
43	100		
58	28.5	18.4	27.6#





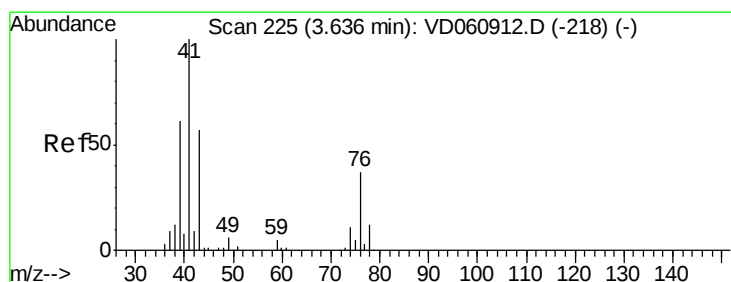
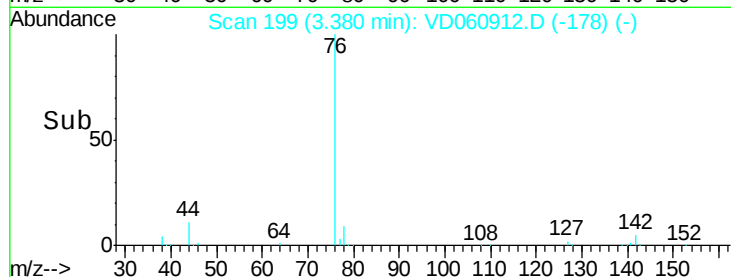
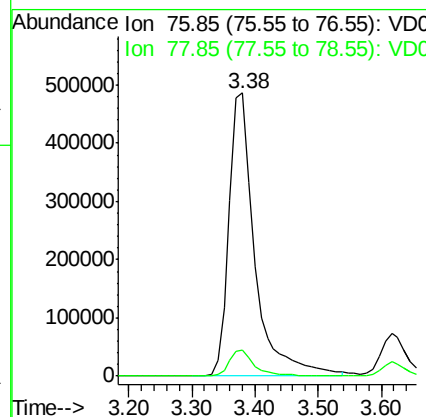
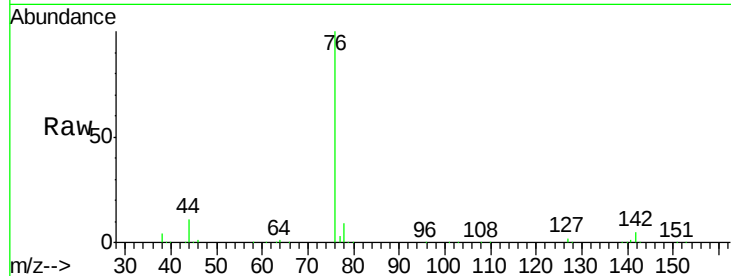
#17
Carbon Disulfide
Concen: 57.718 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1386436
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

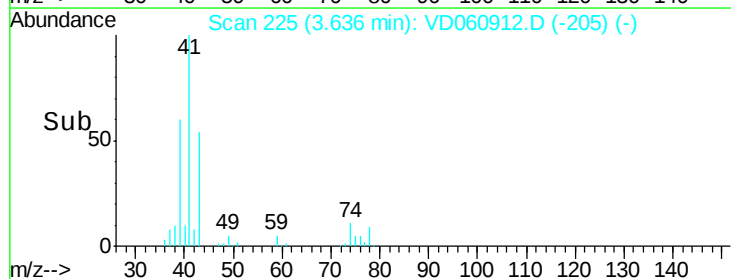
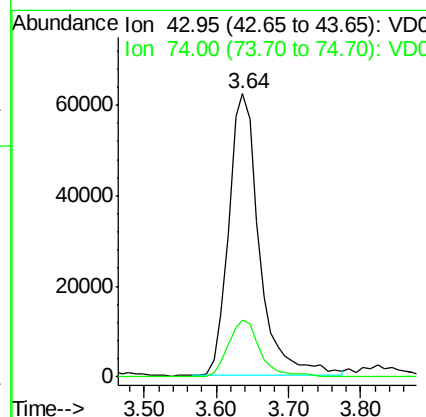
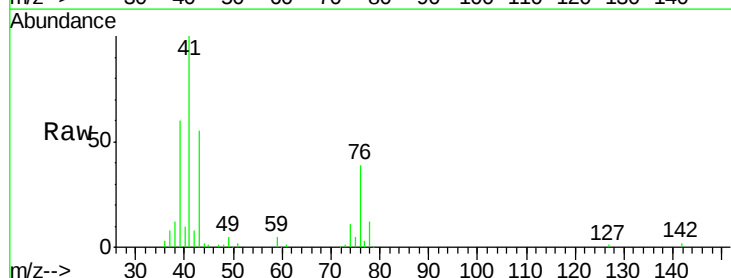
Manual Integrations
APPROVED

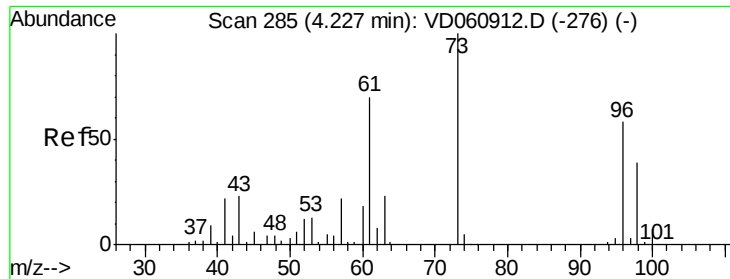
MMDadoda
3/6/2019 5:33:06 AM



#18
Methyl Acetate
Concen: 55.830 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 43 Resp: 183033
Ion Ratio Lower Upper
43 100
74 20.1 18.6 28.0





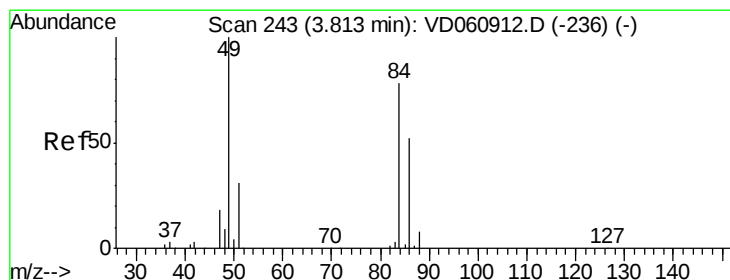
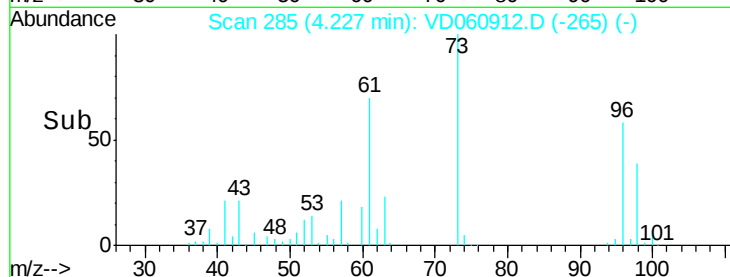
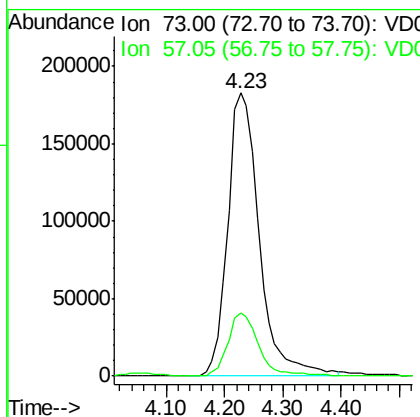
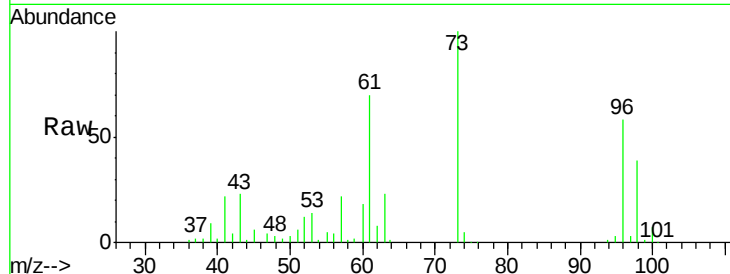
#19
Methvl tert-butvl Ether
Concen: 50.699 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 690959
Ion Ratio Lower Upper
73 100
57 22.2 14.4 21.6#

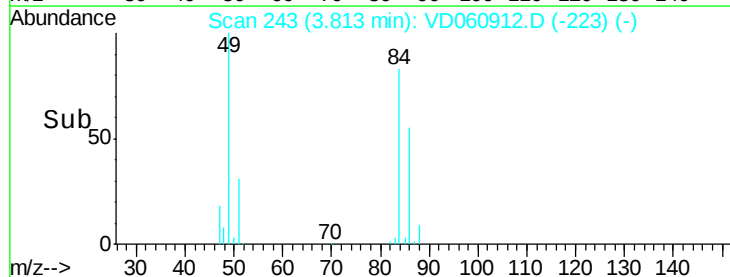
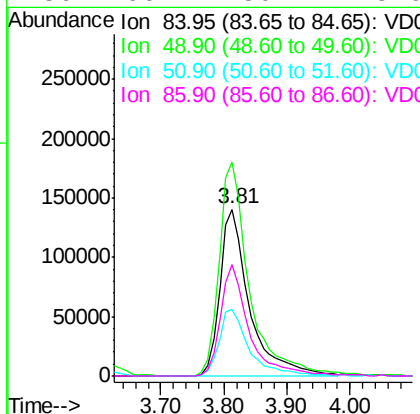
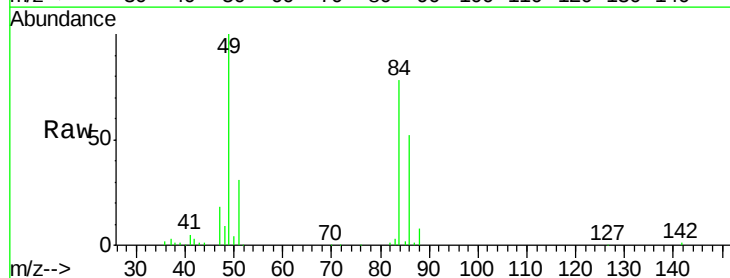
Manual Integrations
APPROVED

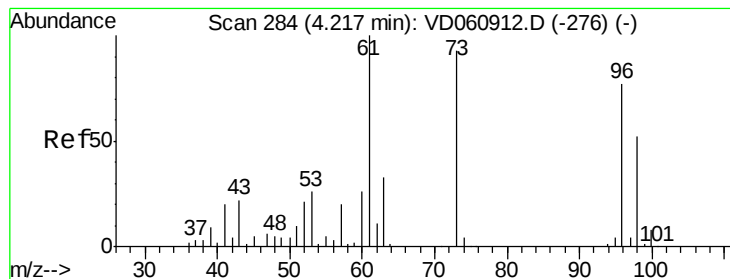
MMDadoda
3/6/2019 5:33:06 AM



#20
Methylene Chloride
Concen: 51.753 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 84 Resp: 459409
Ion Ratio Lower Upper
84 100
49 128.0 84.7 127.1#
51 39.9 26.4 39.6#
86 66.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 59.037 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 425343

Ion Ratio Lower Upper

96 100

61 129.3 100.1 150.1

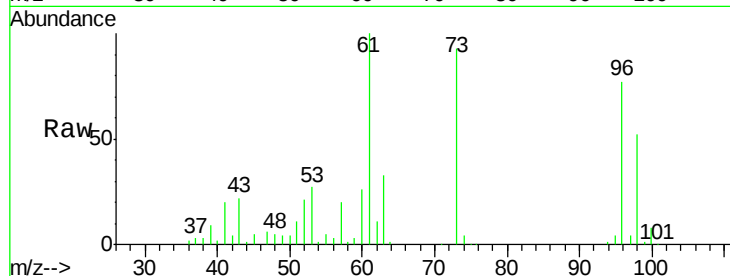
98 67.0 49.9 74.9

Manual Integrations

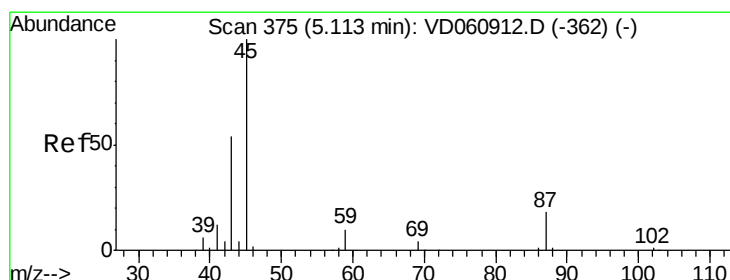
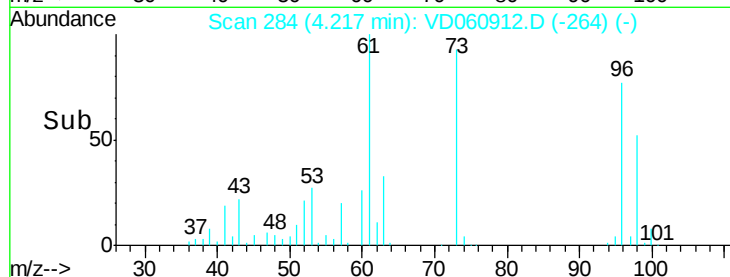
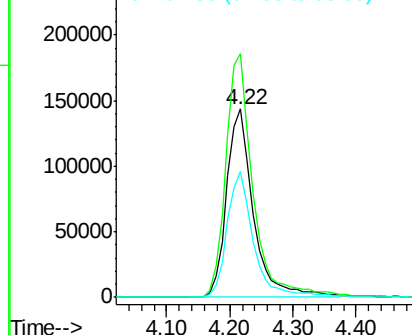
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3/6/2019 5:33:06 AM



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



#22

Diisopropyl ether

Concen: 66.917 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion: 45 Resp: 1393239

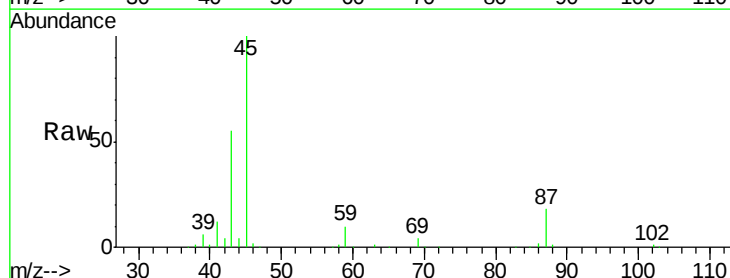
Ion Ratio Lower Upper

45 100

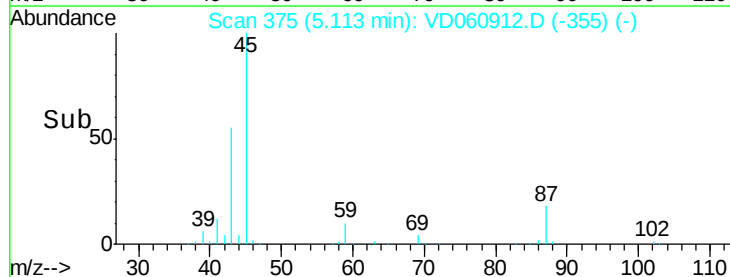
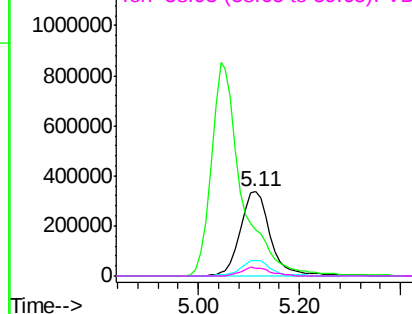
43 55.5 49.6 74.4

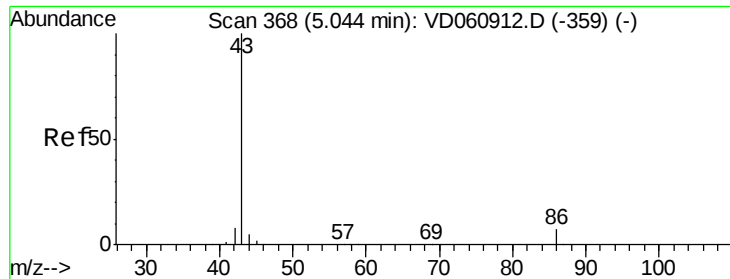
87 18.4 17.0 25.4

59 9.9 7.9 11.9



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





#23

Vinyl Acetate

Concen: 299.704 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3531109

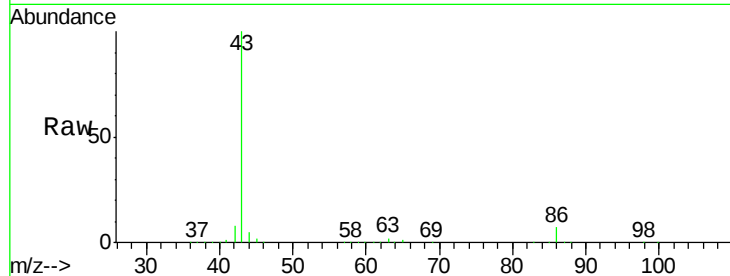
Ion Ratio Lower Upper

43 100

86 7.3 6.5 9.7

Manual Integrations
APPROVED

MMDadoda
3/6/2019 5:33:06 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

800000

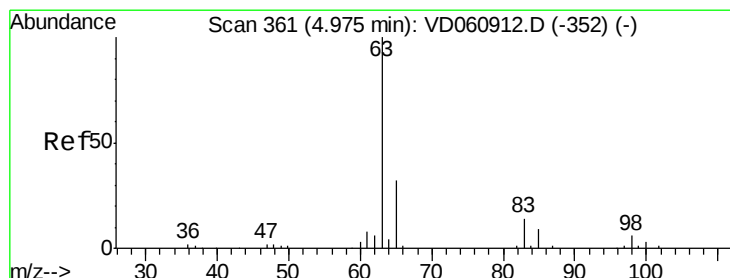
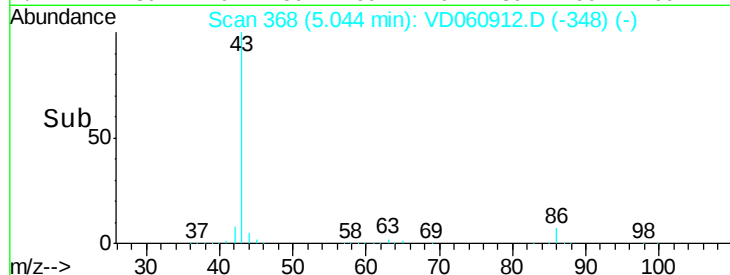
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 62.801 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

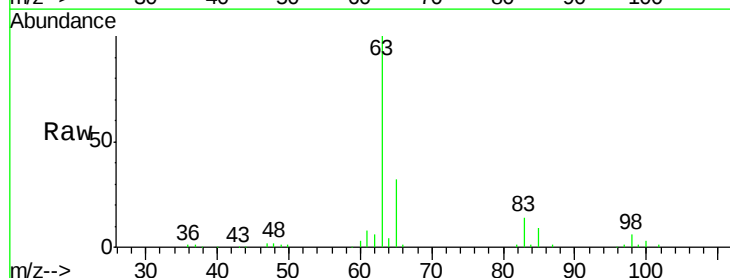
Tgt Ion: 63 Resp: 714292

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.4 1.8 5.3



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

4.97

250000

200000

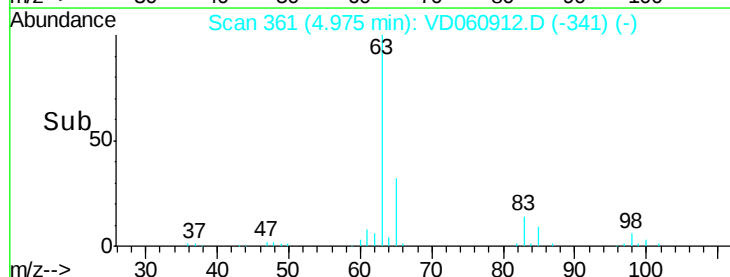
150000

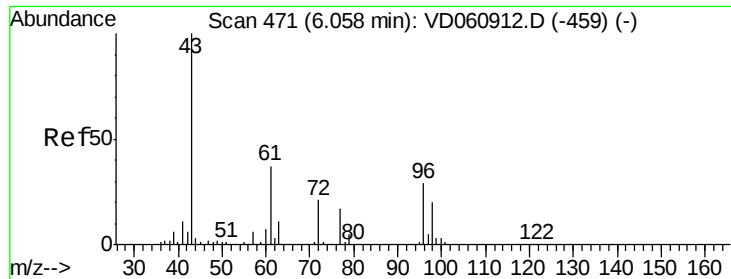
100000

50000

0

Time-->





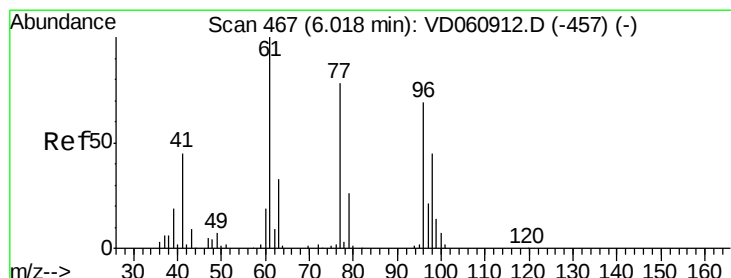
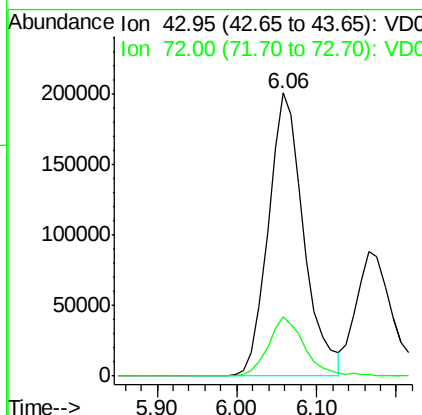
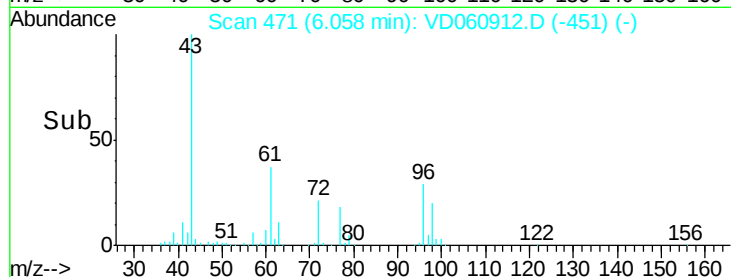
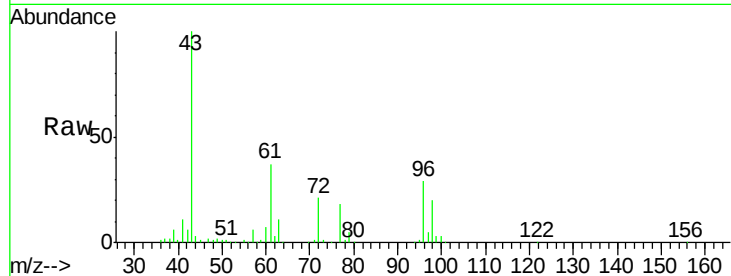
#25
2-Butanone
Concen: 297.679 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 620807
Ion Ratio Lower Upper
43 100
72 21.2 16.8 25.2

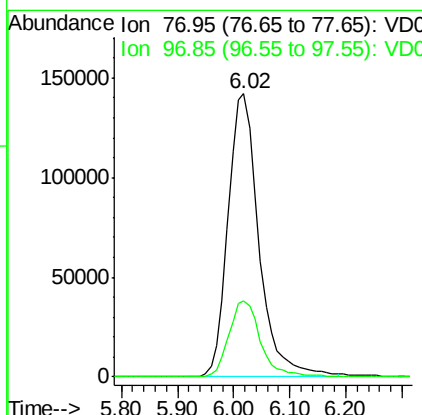
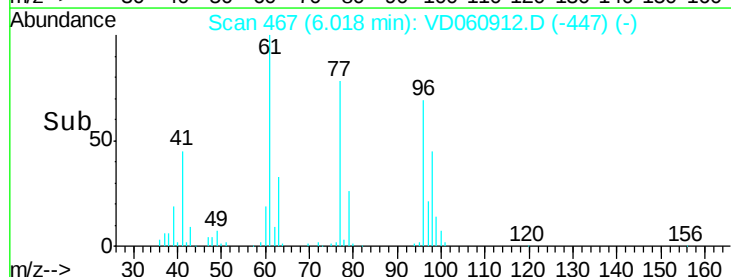
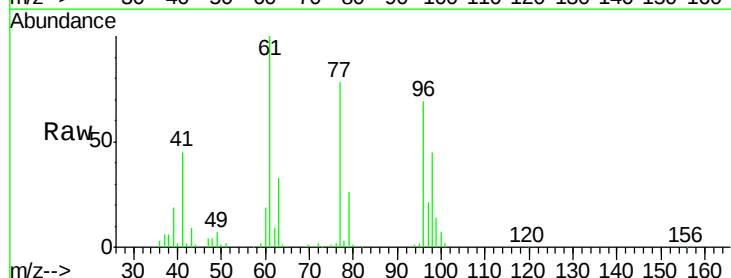
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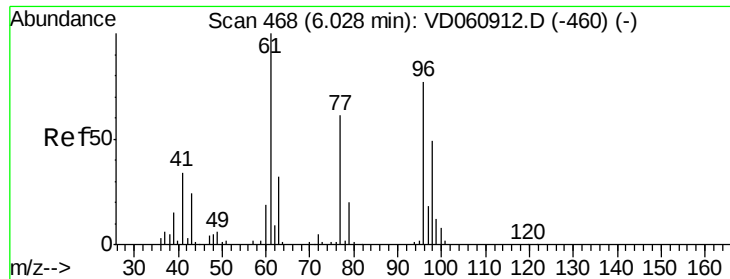
MMDadoda
3/6/2019 5:33:06 AM



#26
2,2-Dichloropropane
Concen: 50.340 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 77 Resp: 543542
Ion Ratio Lower Upper
77 100
97 26.9 11.7 35.1





#27

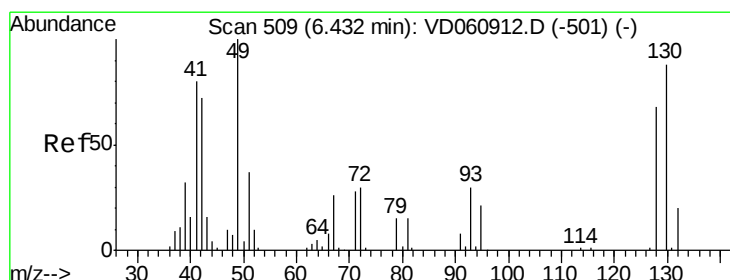
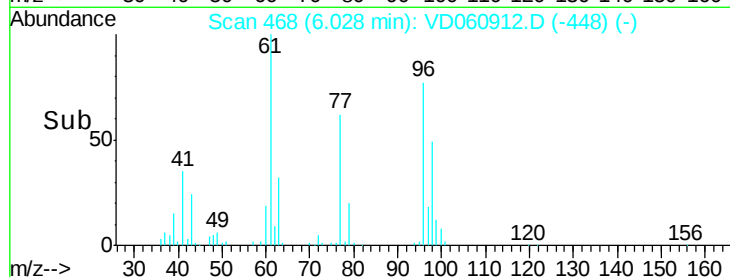
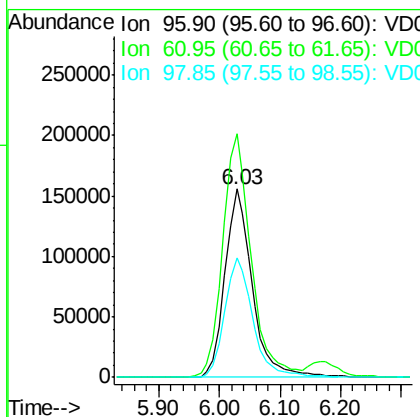
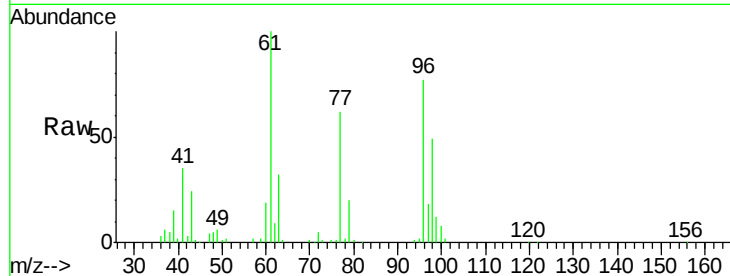
cis-1,2-Dichloroethene
Concen: 61.694 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	488097		
61	129.4	0.0	259.0	
98	63.2	0.0	132.4	

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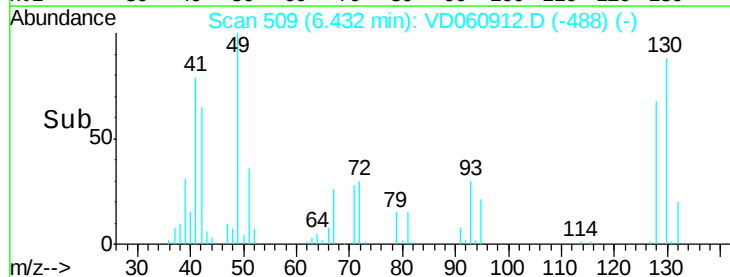
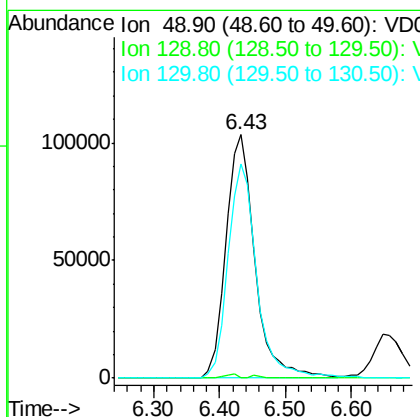
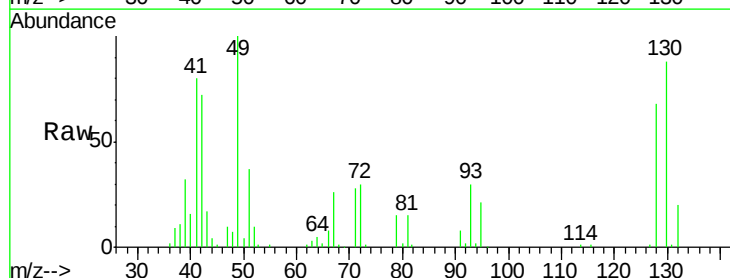
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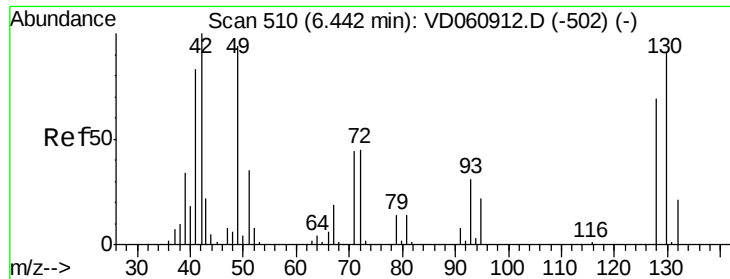


#28

Bromochloromethane
Concen: 71.400 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	319466		
129	0.0	0.0	3.8	
130	88.0	69.8	104.8	





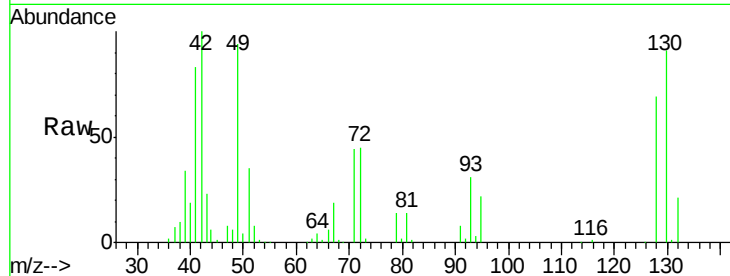
#29
Tetrahydrofuran
Concen: 290.578 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

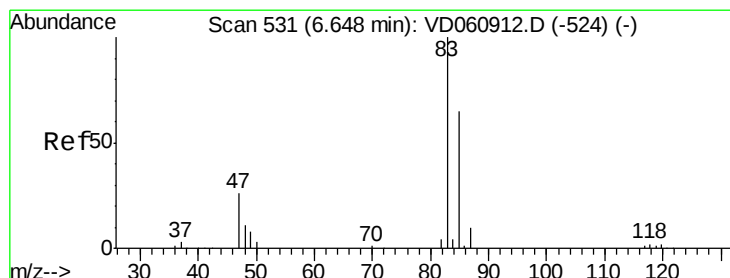
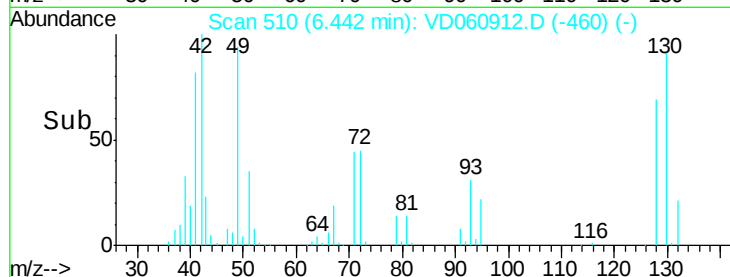
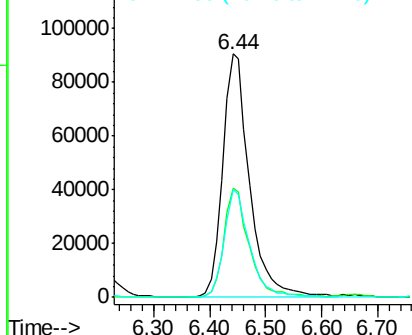
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.2	54.2
71	41.9	35.4	53.0

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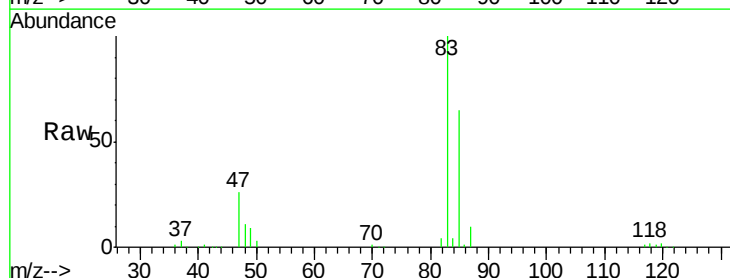


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

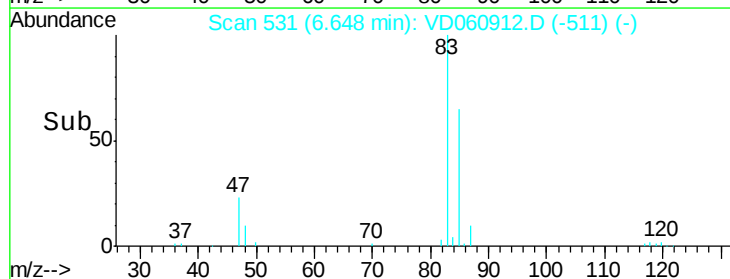
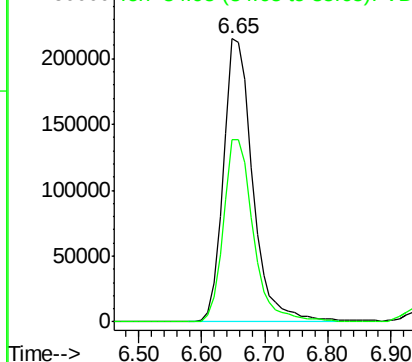


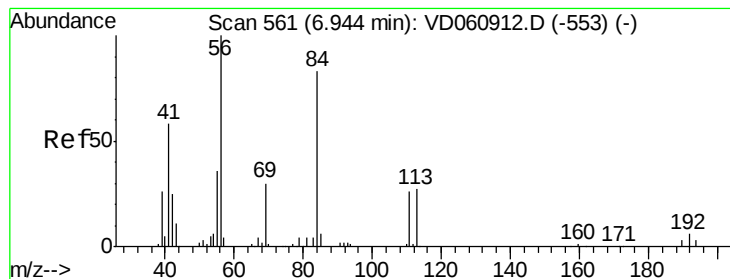
#30
Chloroform
Concen: 51.478 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3



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





#31

Cyclohexane

Concen: 70.013 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

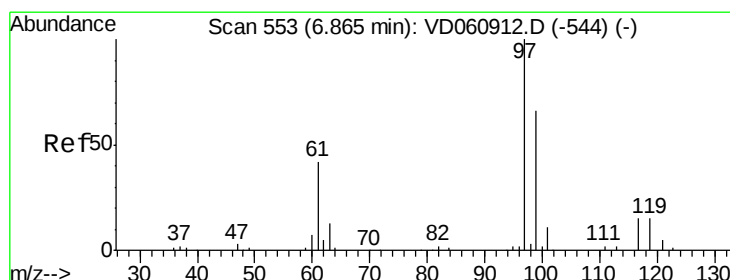
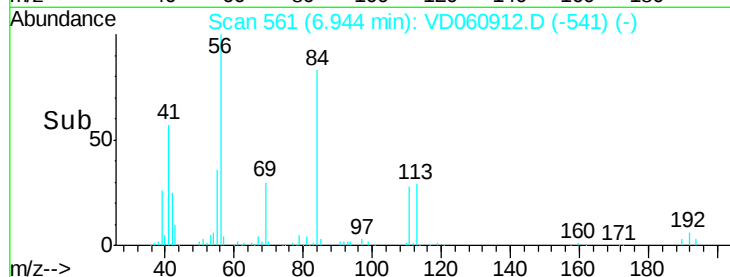
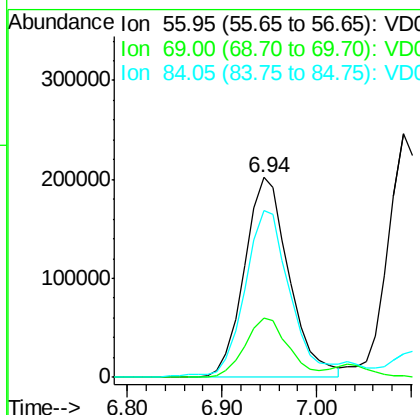
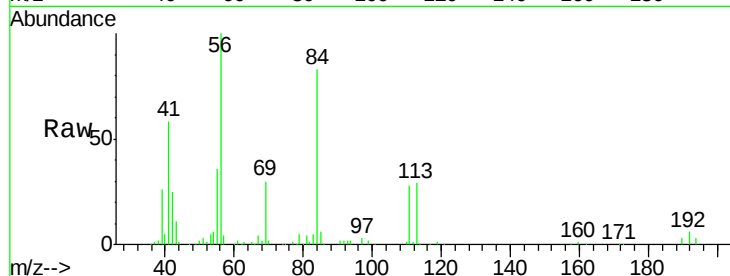
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	660485
Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.3	37.9
84	83.1	78.1	117.1

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#32

1,1,1-Trichloroethane

Concen: 59.265 ug/l

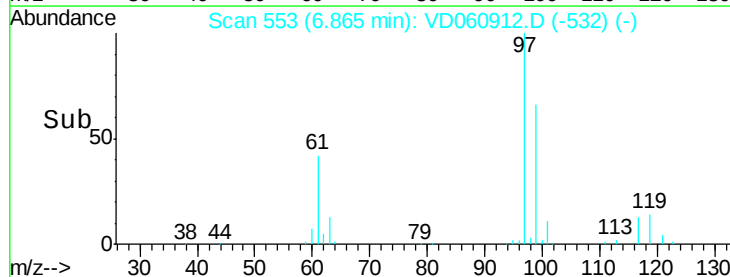
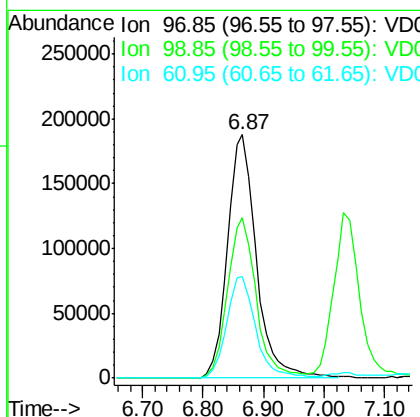
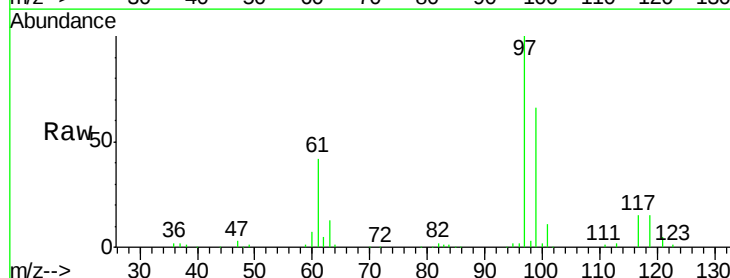
RT: 6.87 min Scan# 553

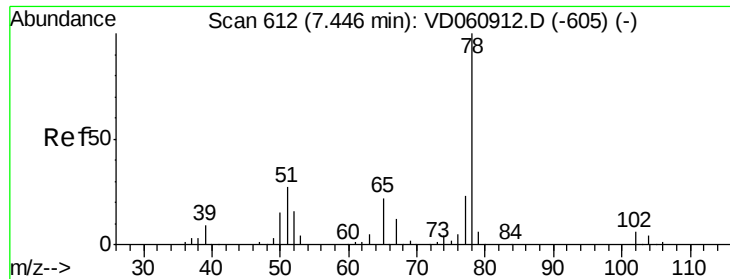
Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	97	Resp:	620788
Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.0	76.4
61	41.6	31.9	47.9





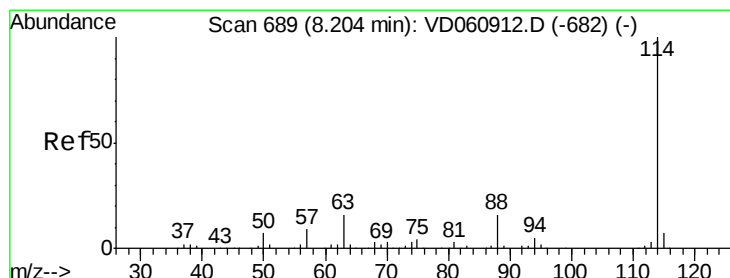
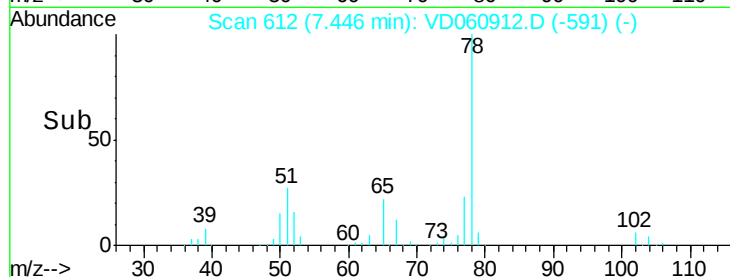
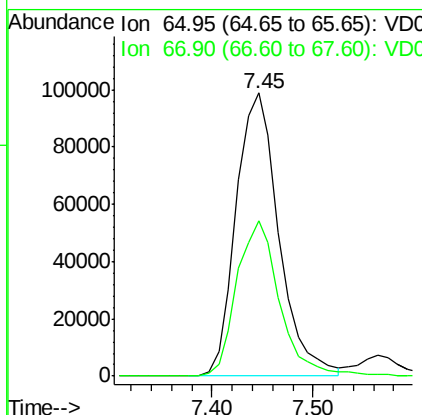
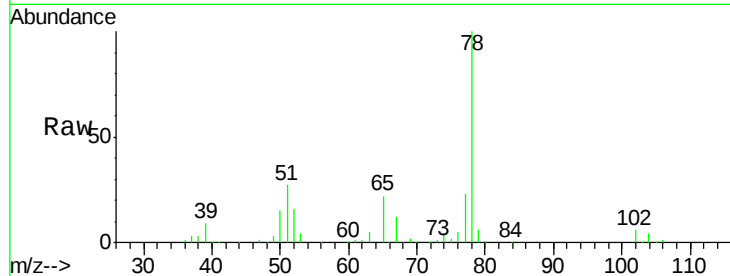
#33
 1,2-Dichloroethane-d4
 Concen: 59.265 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 292469
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.0

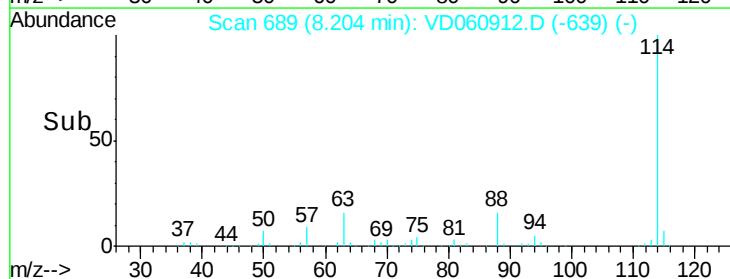
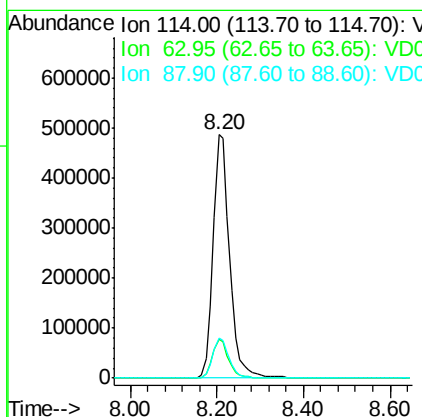
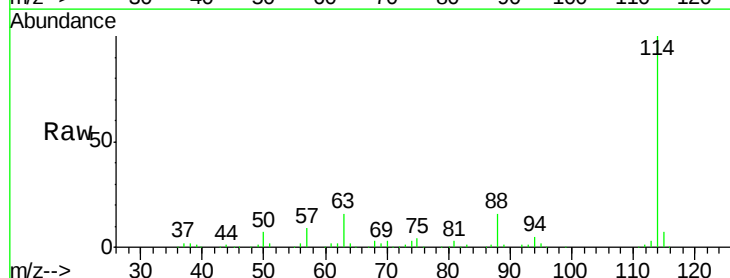
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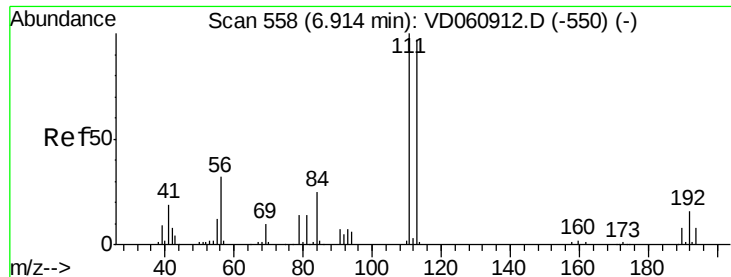
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 3/6/2019 5:33:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 114 Resp: 1294657
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 34.8
 88 16.4 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

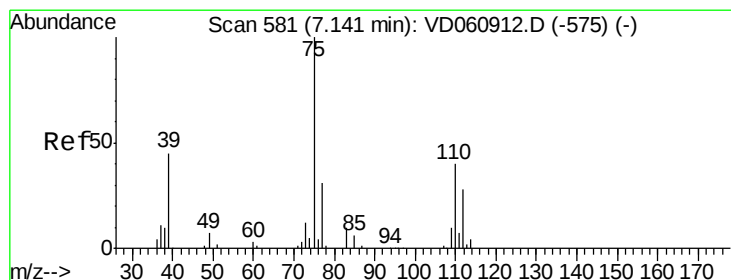
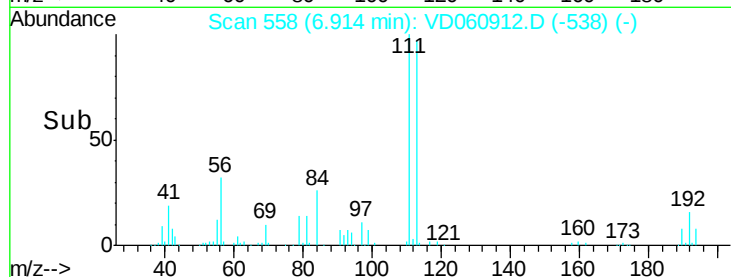
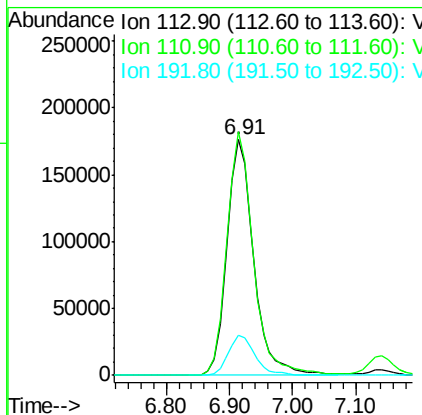
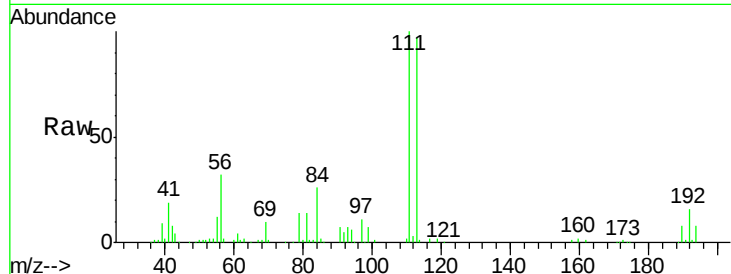
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	81.9	122.9	
192	16.8	16.9	25.3	

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#36

1,1-Dichloropropene

Concen: 41.452 ug/l

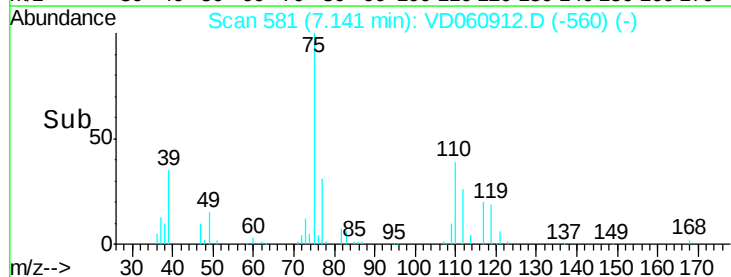
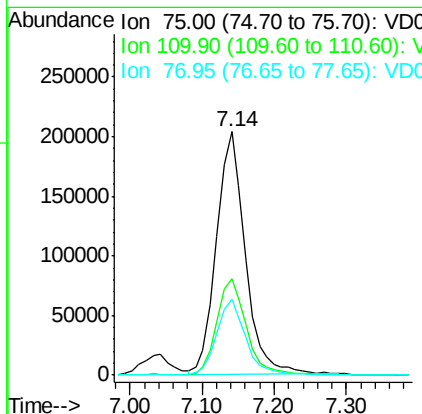
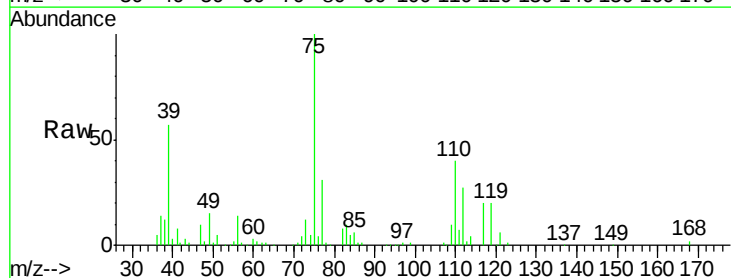
RT: 7.14 min Scan# 581

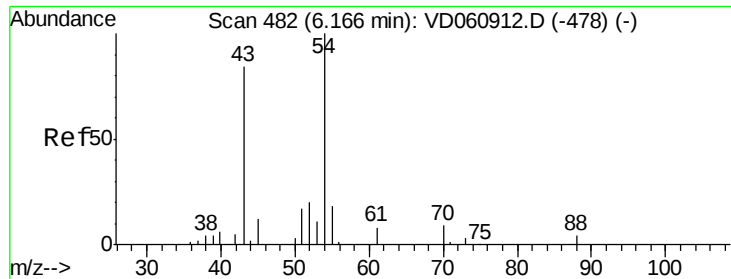
Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.8	16.8	50.3	
77	31.3	25.8	38.8	





#37

Ethyl Acetate

Concen: 44.008 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

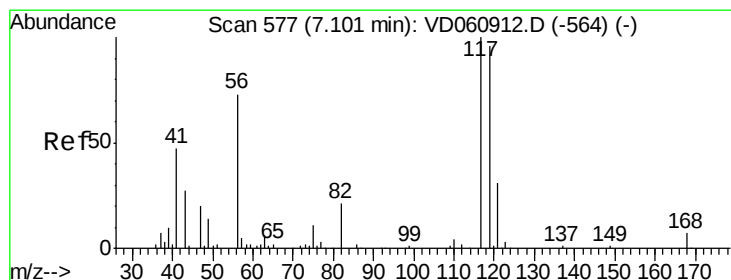
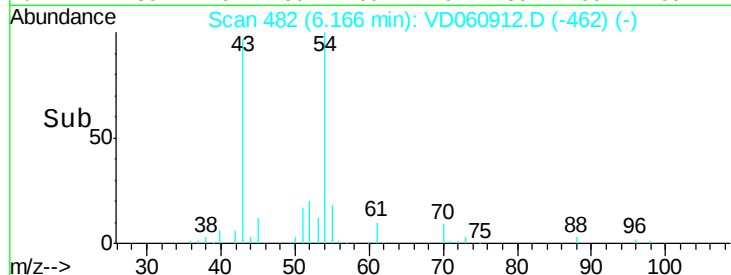
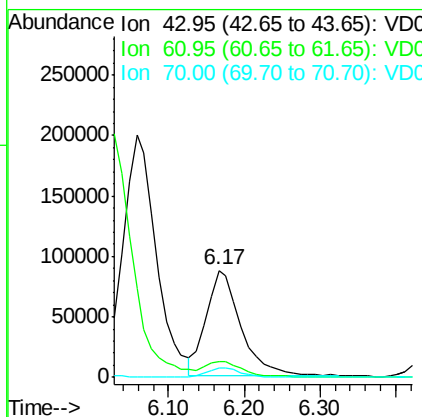
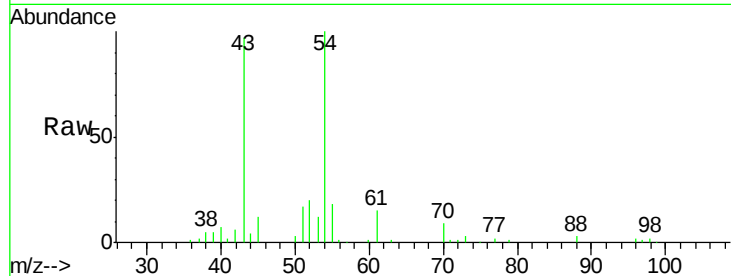
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	280243
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.5	18.7
70	9.1	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 51.347 ug/l

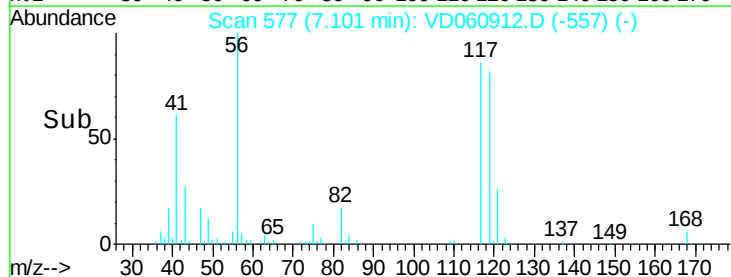
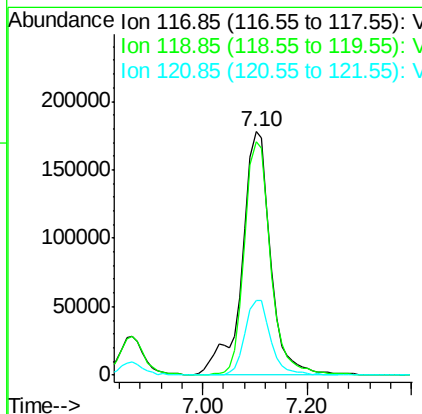
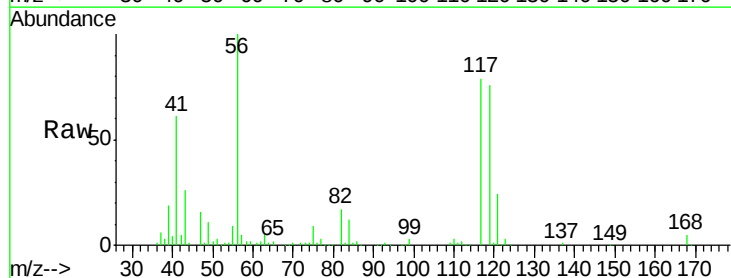
RT: 7.10 min Scan# 577

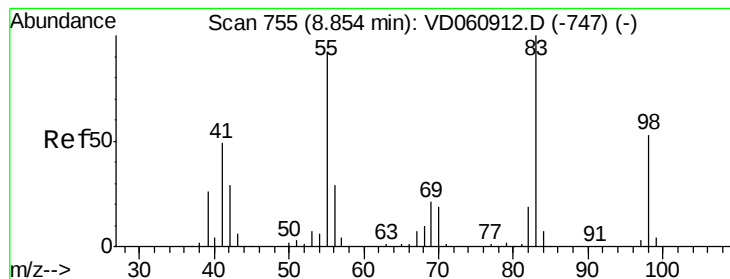
Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	117	Resp:	645354
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	115.8
121	30.6	25.0	37.4





#39

Methvlcvclohexane

Concen: 44.329 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 638282

Ion Ratio Lower Upper

83 100

55 92.3 58.8 88.2#

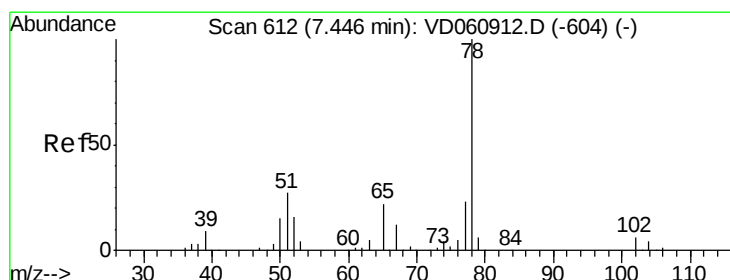
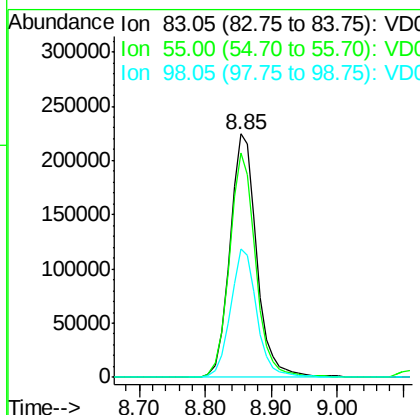
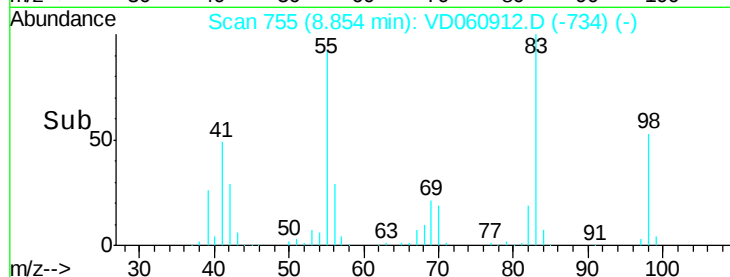
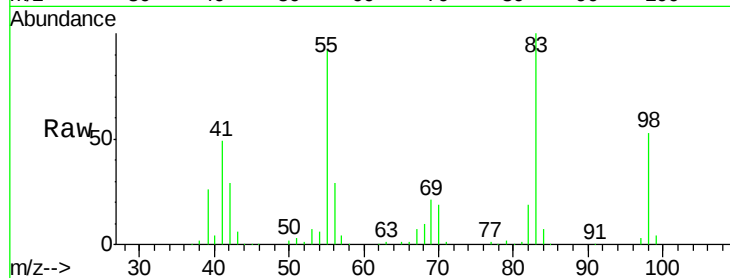
98 53.0 36.8 55.2

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#40

Benzene

Concen: 41.663 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060912.D

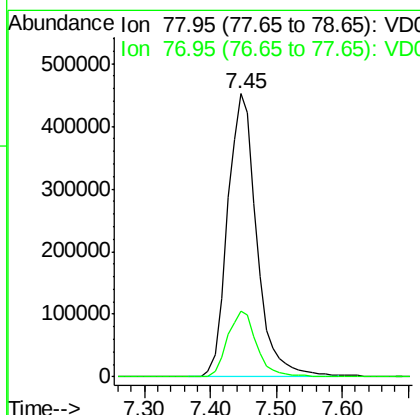
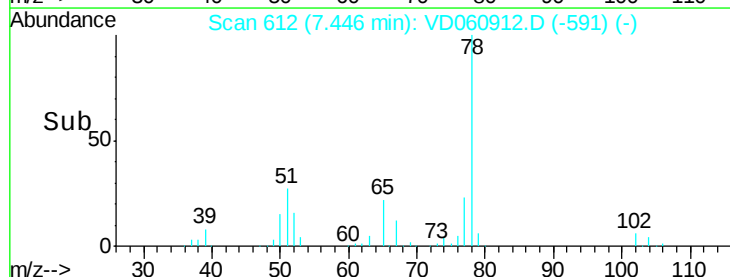
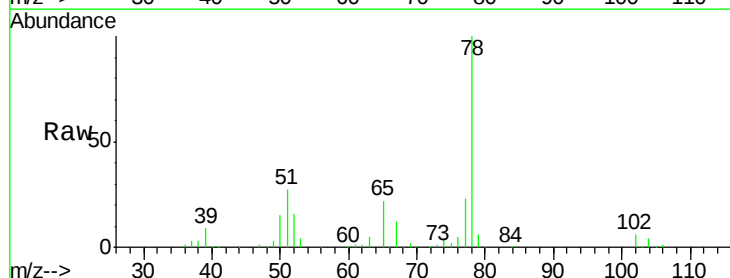
Acq: 1 Mar 2019 16:36

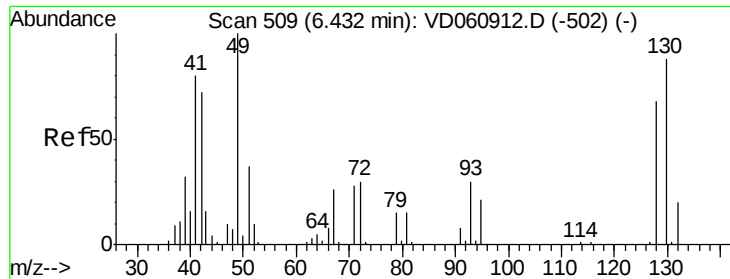
Tgt Ion: 78 Resp: 1402489

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3





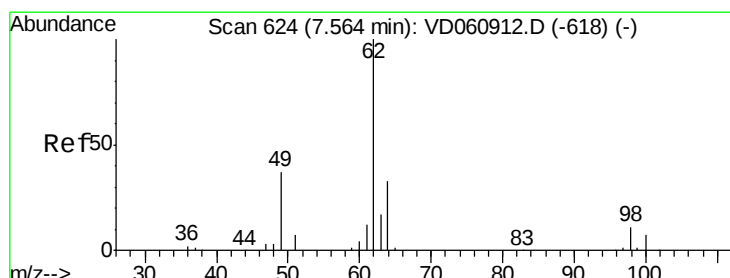
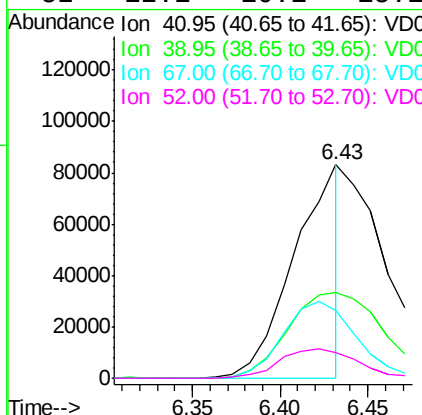
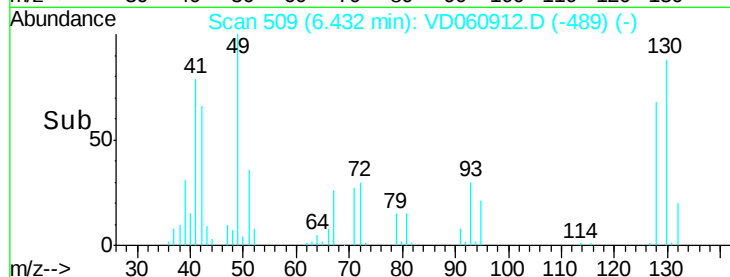
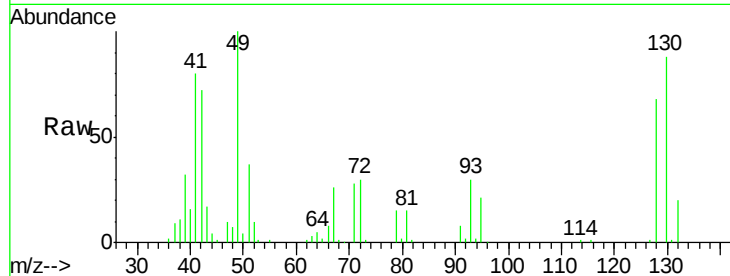
#41
Methacrylonitrile
Concen: 46.457 ug/l m
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		159823		
39	40.1	36.9	55.3		
67	32.0	24.9	37.3		
52	12.1	10.1	15.1		

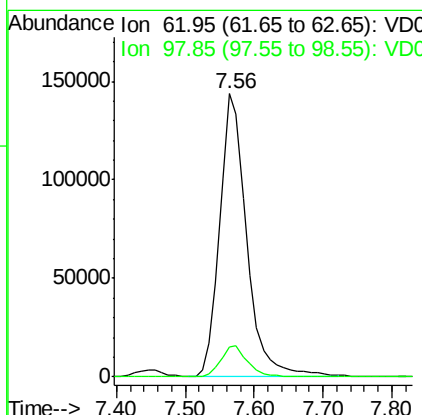
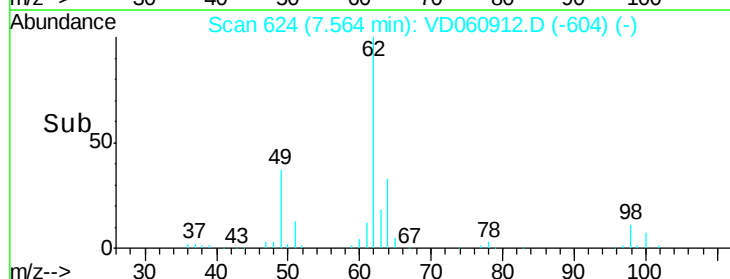
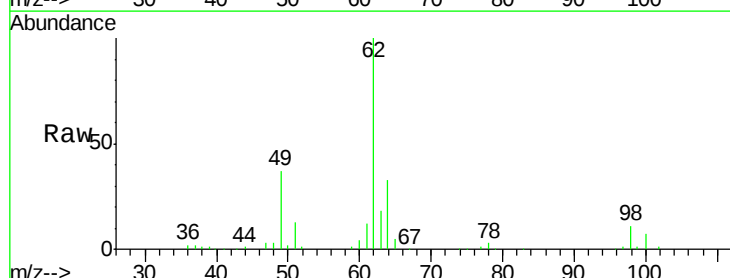
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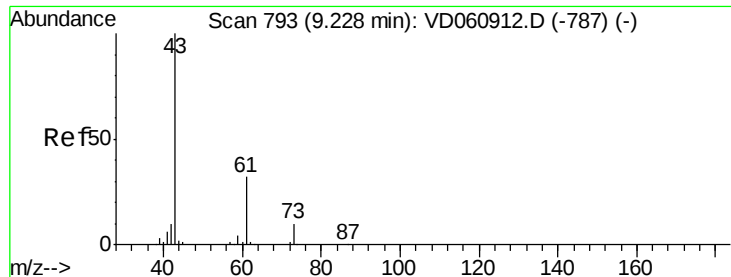
MMDadoda
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#42
1,2-Dichloroethane
Concen: 42.898 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		392745		
98	10.7	0.0	21.6		





#43

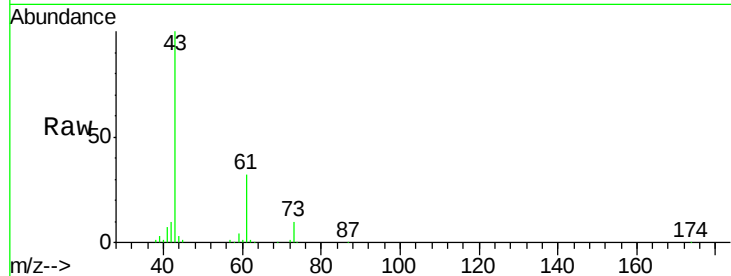
Isopropyl Acetate
 Concen: 46.436 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

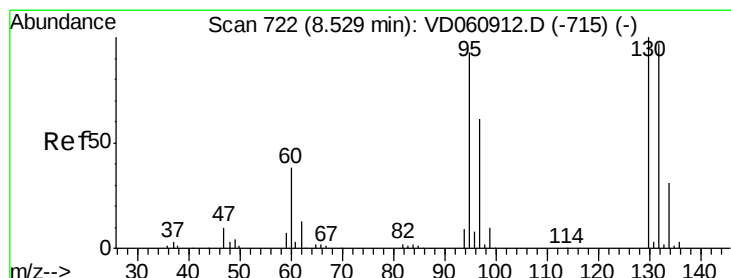
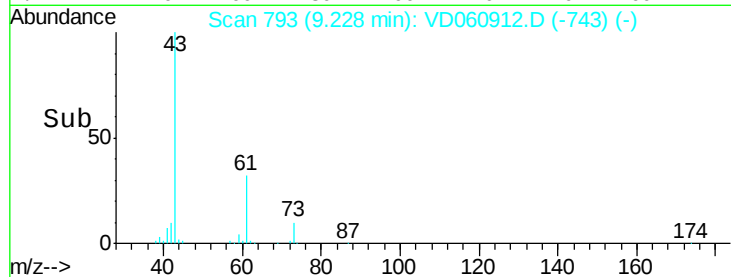
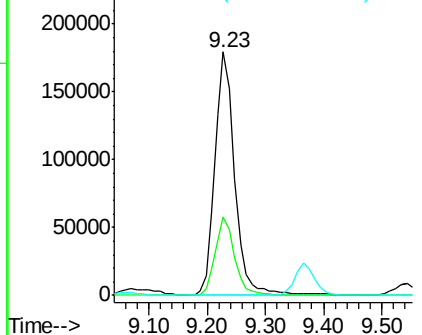
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.4	38.2
87	0.3	0.3	0.5

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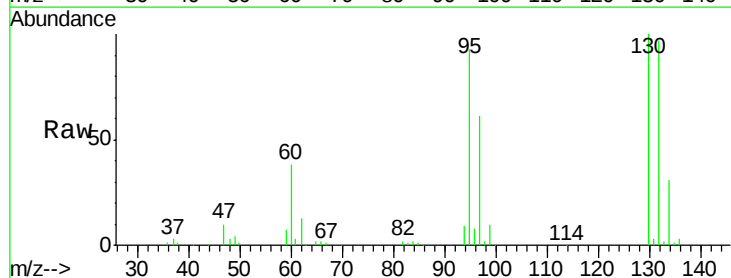
Abundance Ion 42.95 (42.65 to 43.65): VD060912.D (-787) (-)
 Ion 60.95 (60.65 to 61.65): VD060912.D (-787) (-)
 Ion 87.00 (86.70 to 87.70): VD060912.D (-787) (-)



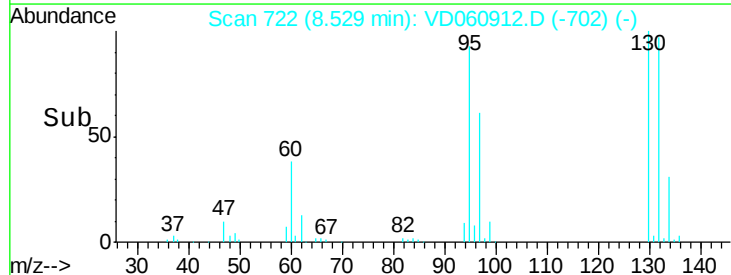
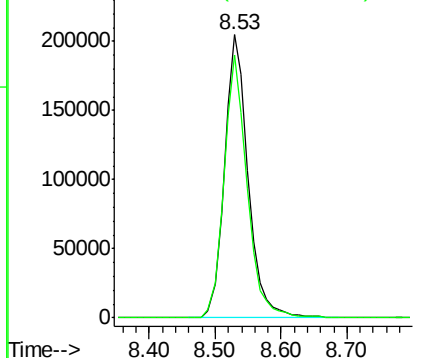
#44

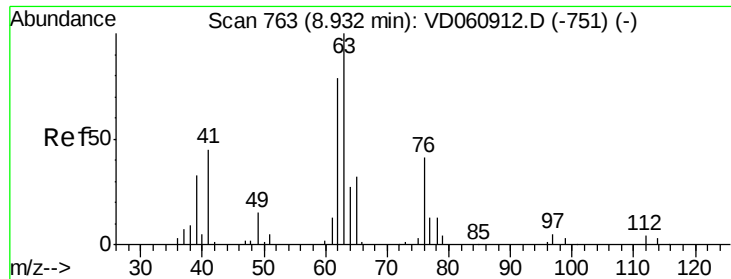
Trichloroethene
 Concen: 46.681 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	179.6



Abundance Ion 129.80 (129.50 to 130.50): VD060912.D (-715) (-)
 Ion 94.90 (94.60 to 95.60): VD060912.D (-715) (-)





#45

1,2-Dichloropropane

Concen: 48.155 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 378654

Ion Ratio Lower Upper

63 100

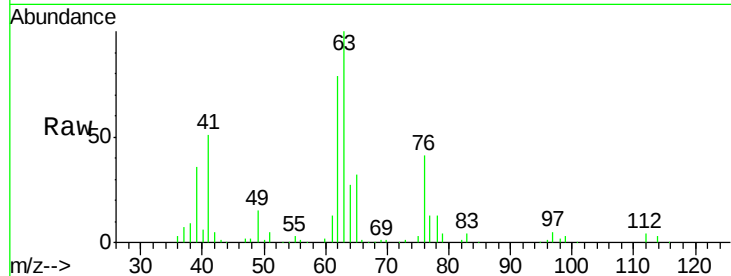
65 32.2 24.6 36.8

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

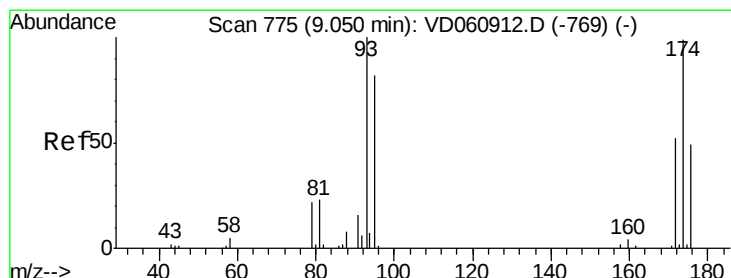
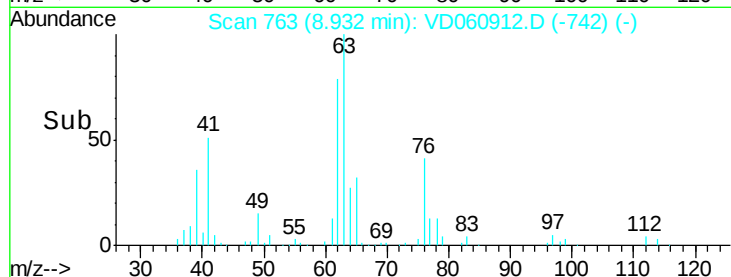
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 44.347 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

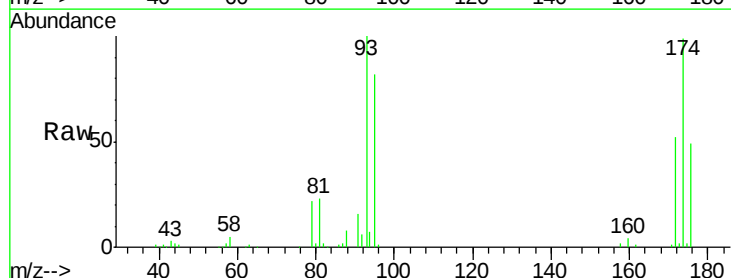
Tgt Ion: 93 Resp: 250558

Ion Ratio Lower Upper

93 100

95 82.2 64.0 96.0

174 99.4 93.1 139.7



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

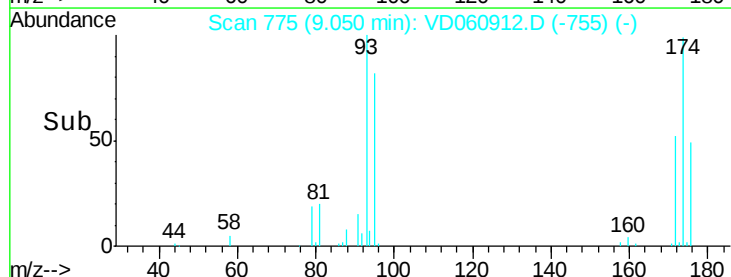
9.05

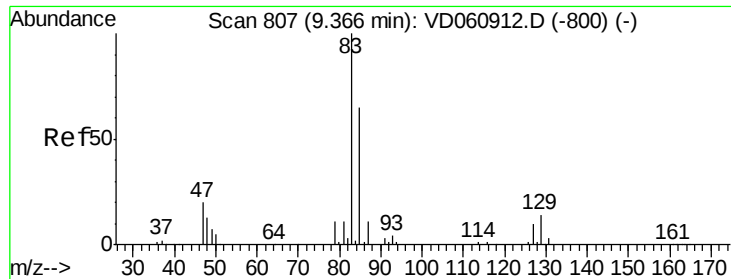
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 40.129 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

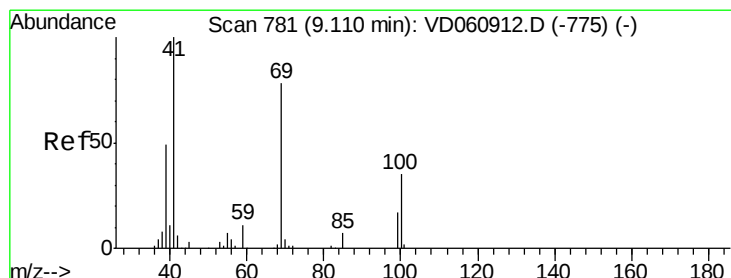
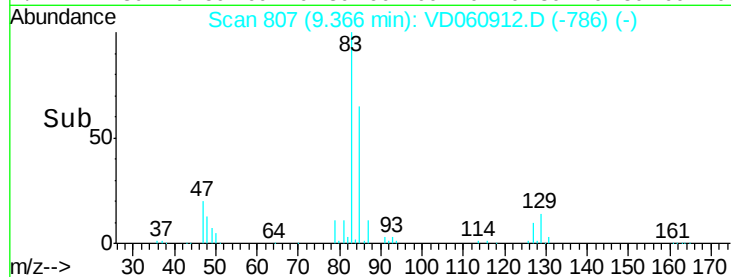
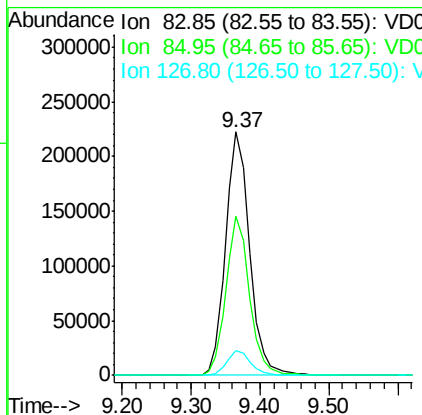
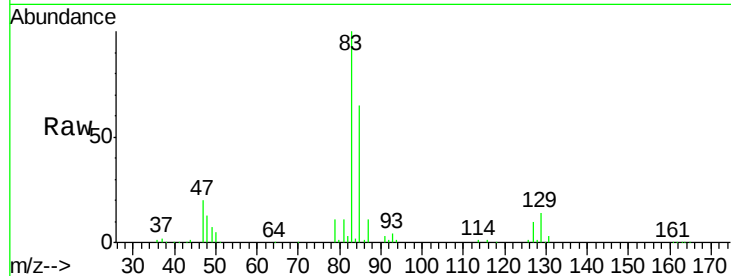
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	537705
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.8	76.2
127	10.3	7.3	10.9

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#48

Methyl methacrylate

Concen: 43.364 ug/l

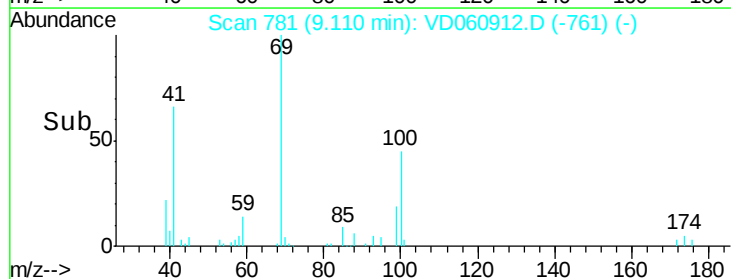
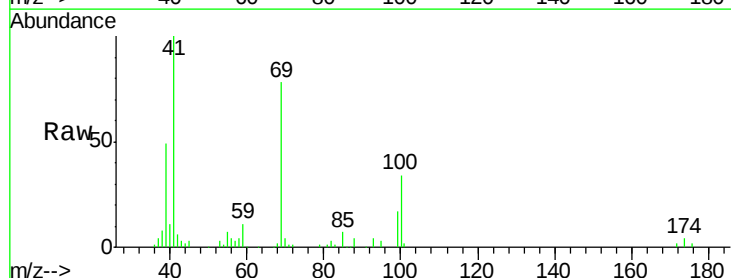
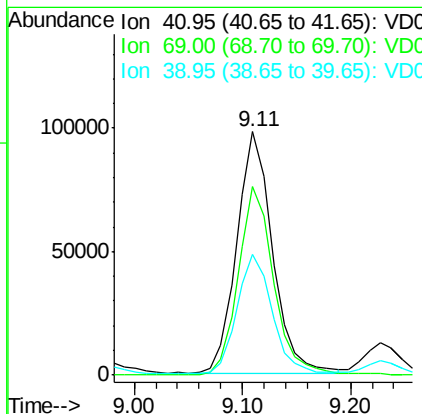
RT: 9.11 min Scan# 781

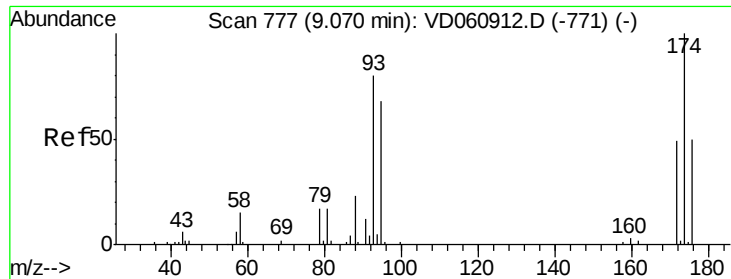
Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	41	Resp:	225197
Ion	Ratio	Lower	Upper
41	100		
69	77.6	61.4	92.2
39	49.4	42.1	63.1





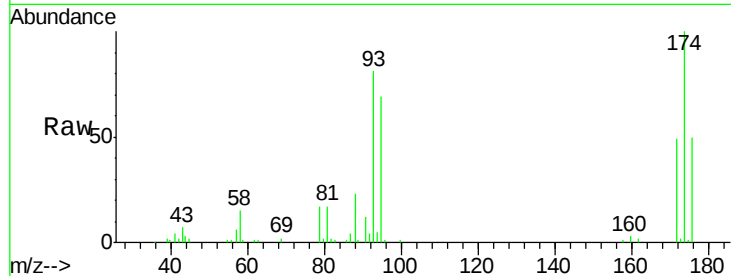
#49
1,4-Dioxane
Concen: 928.892 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

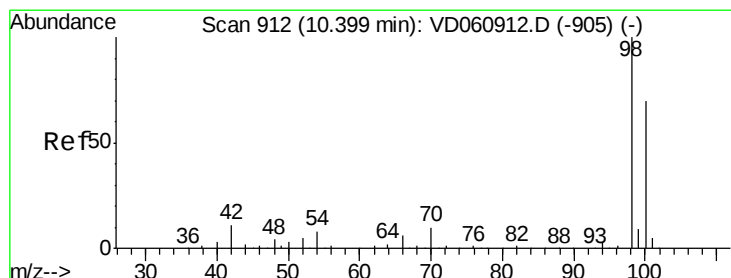
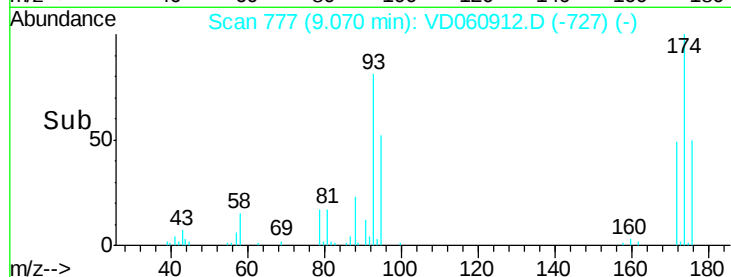
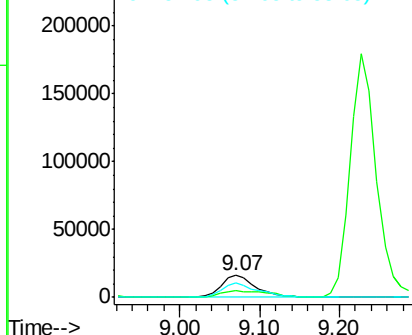
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	20.3	30.5
58	63.9	40.6	61.0

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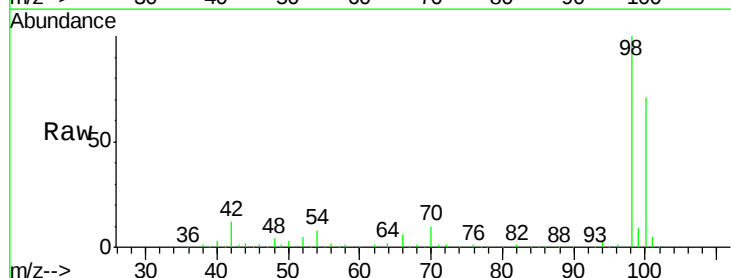


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

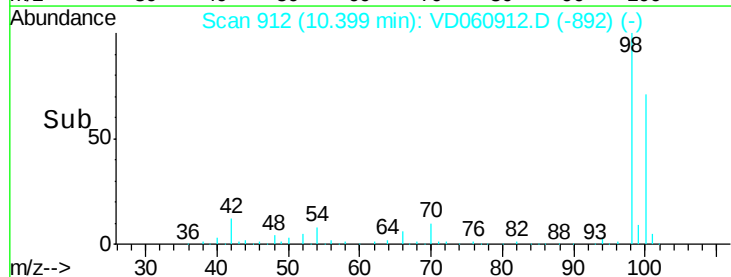
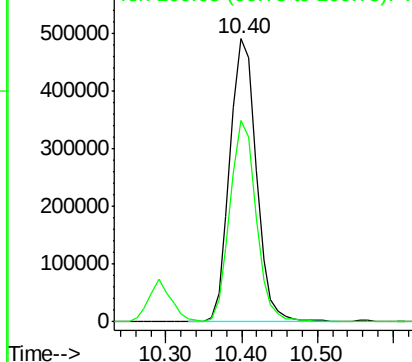


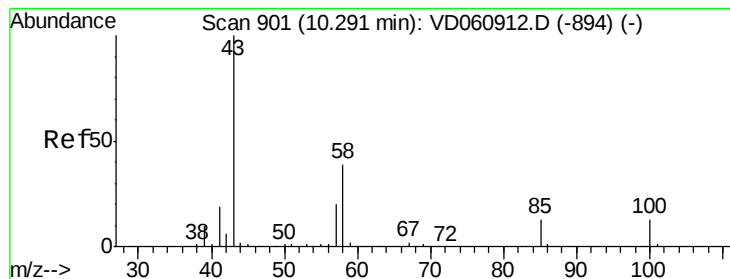
#50
Toluene-d8
Concen: 928.892 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.2	55.3	82.9



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





#51

4-Methyl-2-Pentanone

Concen: 218.713 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tot Ion: 43 Resp: 1216985

Ion Ratio Lower Upper

43 100

58 38.8 26.8 40.2

Instrument :

MSVOA_D

ClientSampleId :

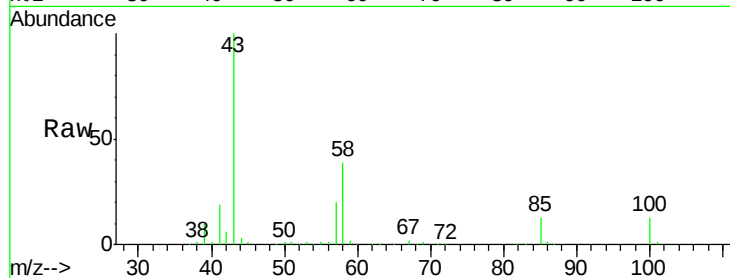
VSTDICCC050

Manual Integrations

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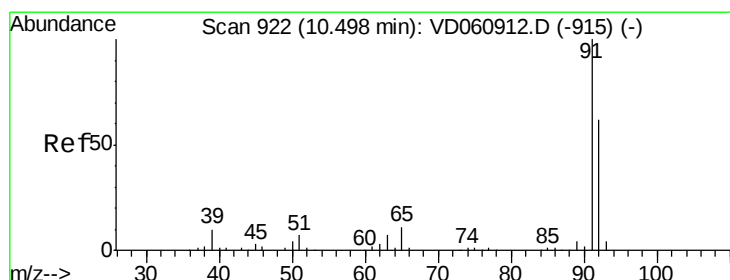
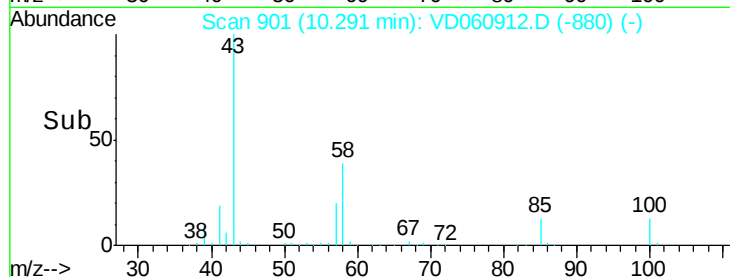
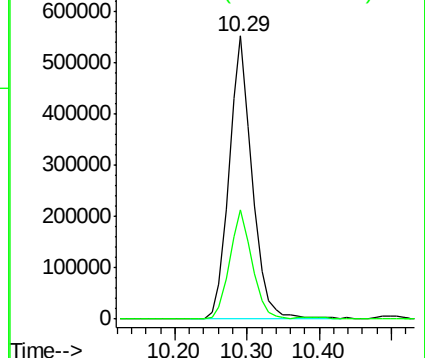
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.490 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060912.D

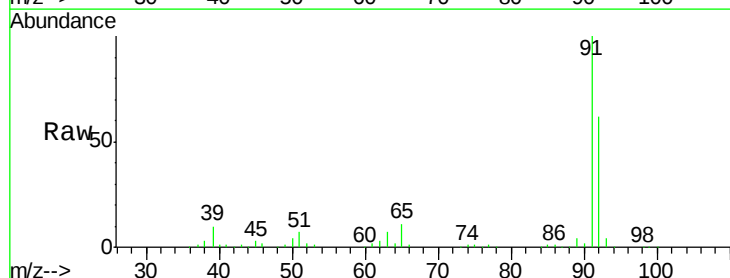
Acq: 1 Mar 2019 16:36

Tgt Ion: 92 Resp: 906397

Ion Ratio Lower Upper

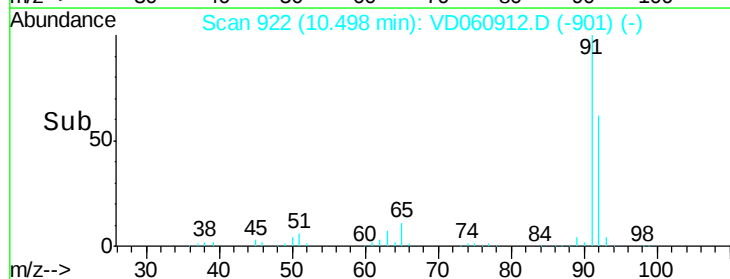
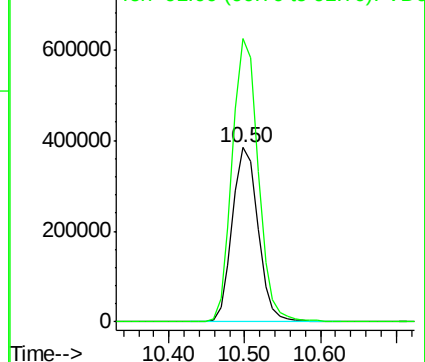
92 100

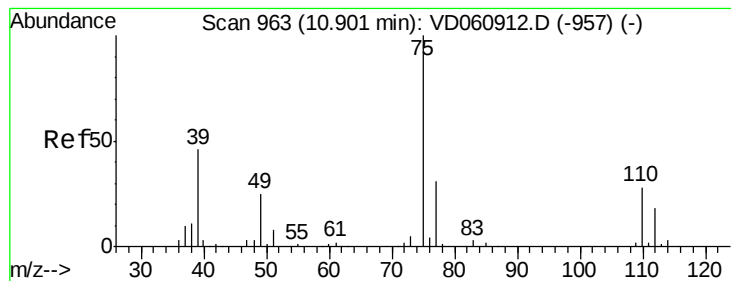
91 162.4 132.1 198.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 40.529 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tot Ion: 75 Resp: 501321

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

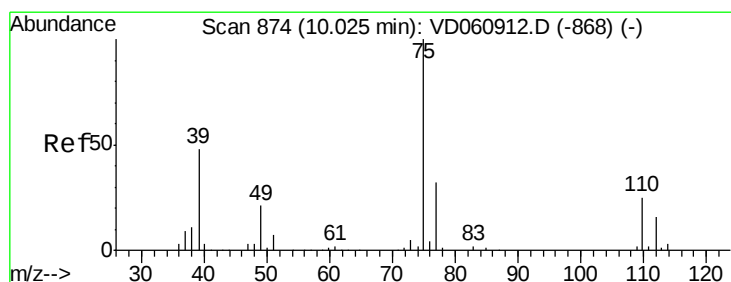
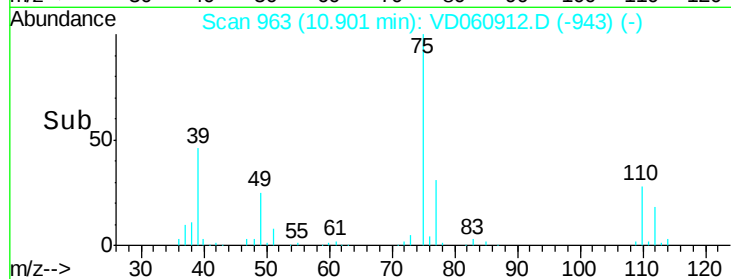
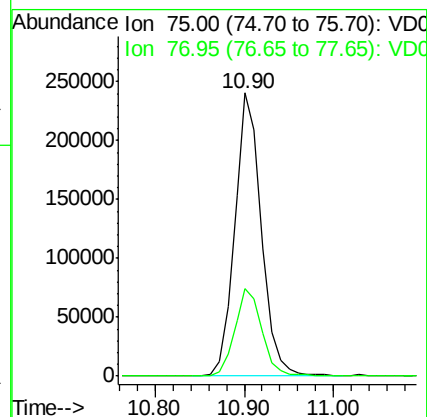
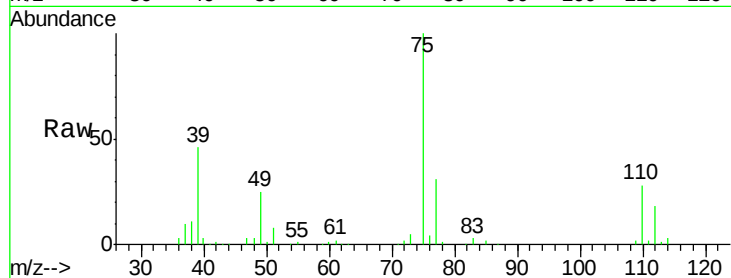
VSTDICCC050

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#54

cis-1,3-Dichloropropene

Concen: 43.423 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

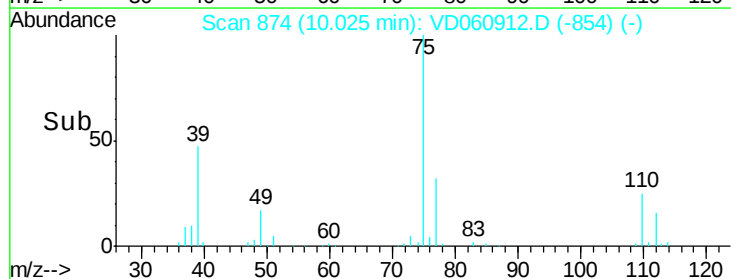
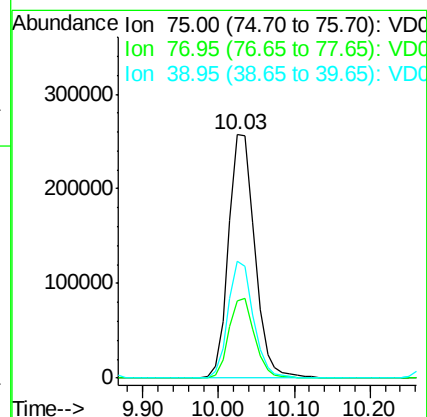
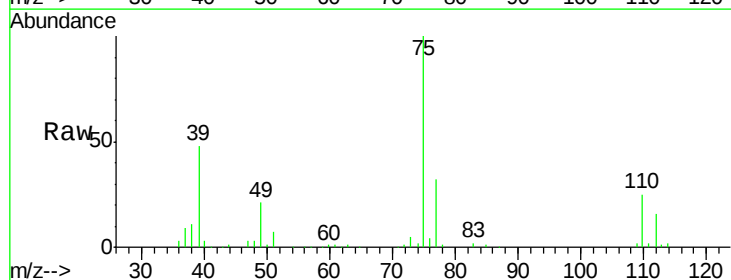
Tgt Ion: 75 Resp: 618819

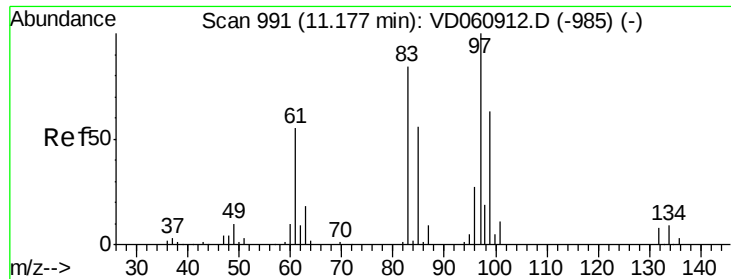
Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 47.8 36.6 54.8





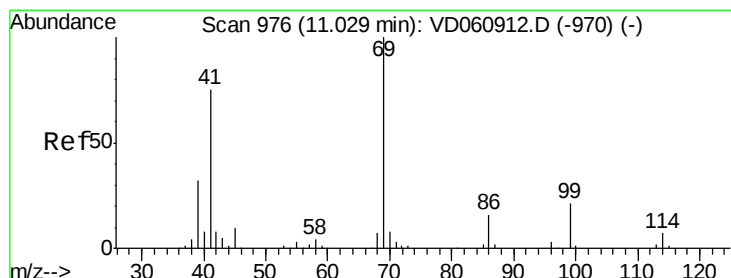
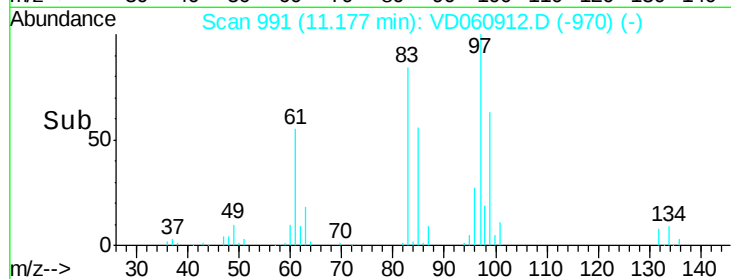
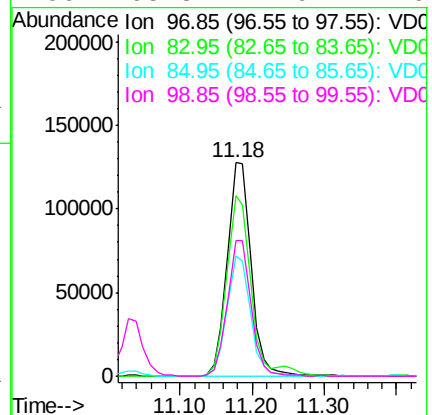
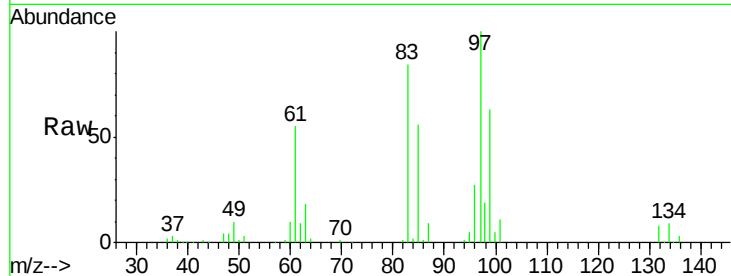
#55
 1,1,2-Trichloroethane
 Concen: 44.040 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	294525		
83	84.4	73.0	109.6	
85	56.1	47.6	71.4	
99	63.3	47.9	71.9	

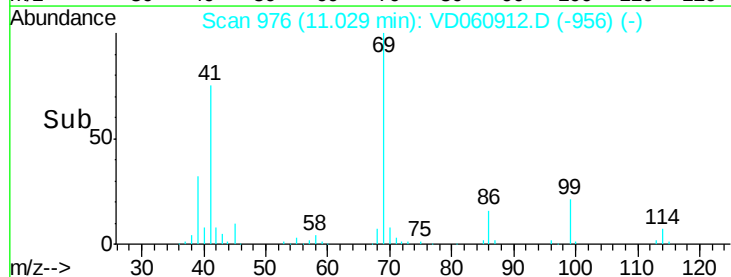
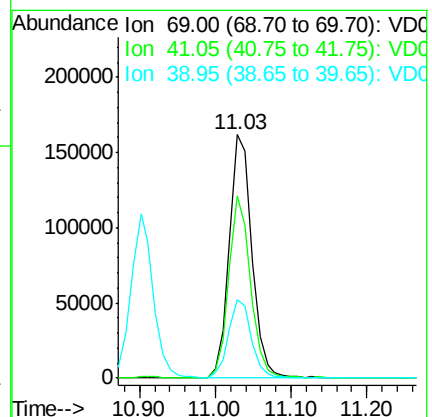
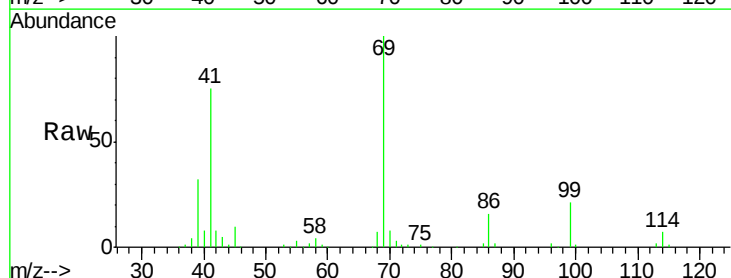
Manual Integrations
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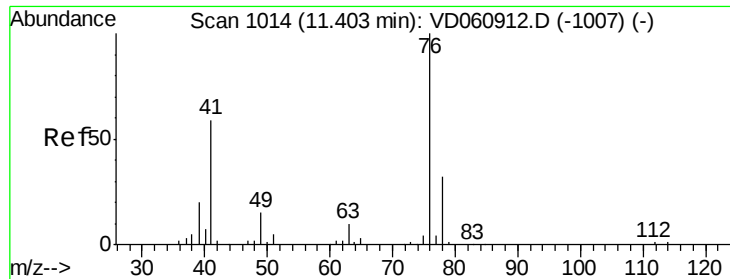
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 44.021 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	335023		
41	74.9	58.2	87.2	
39	32.1	30.8	46.2	





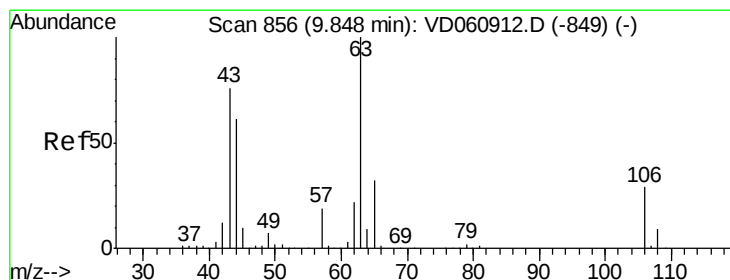
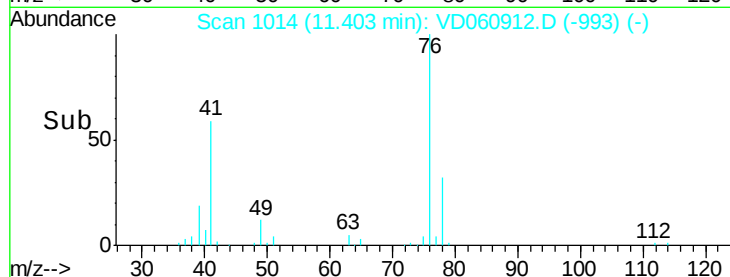
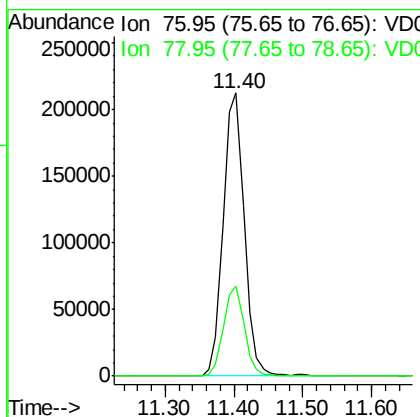
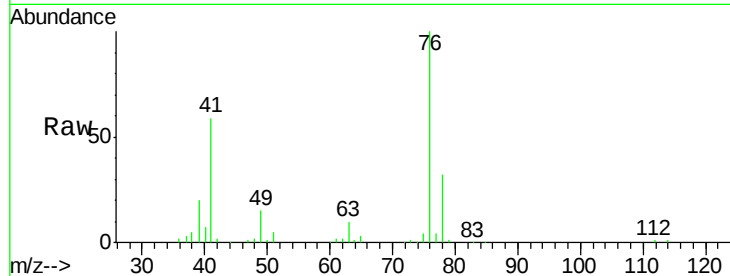
#57
 1,3-Dichloropropane
 Concen: 40.814 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 449535
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

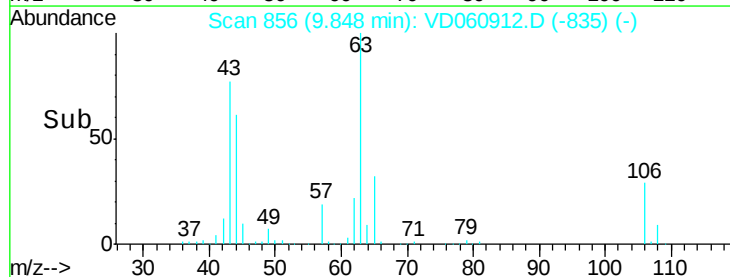
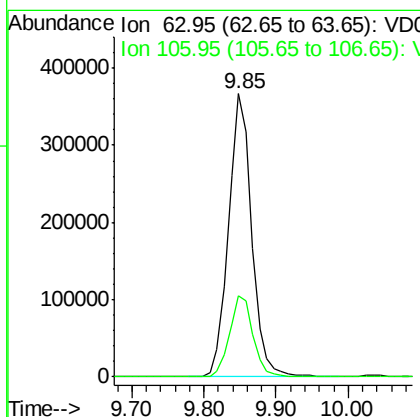
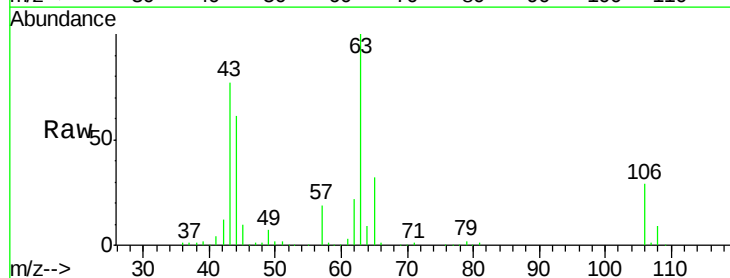
Manual Integrations
 APPROVED

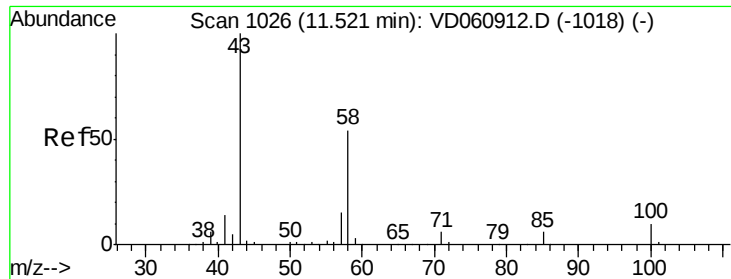
MMDadoda
 3/6/2019 5:33:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.111 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 63 Resp: 820832
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.4





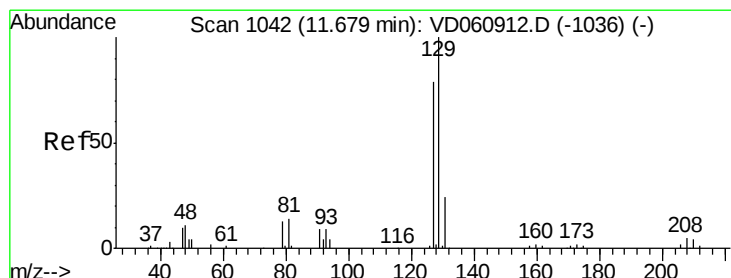
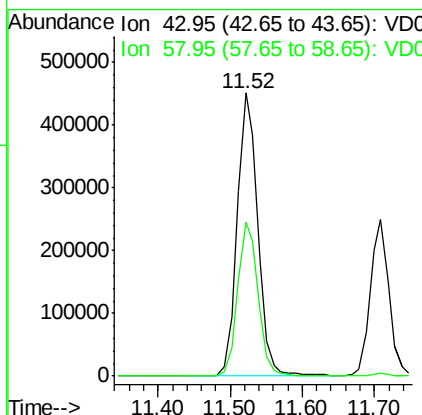
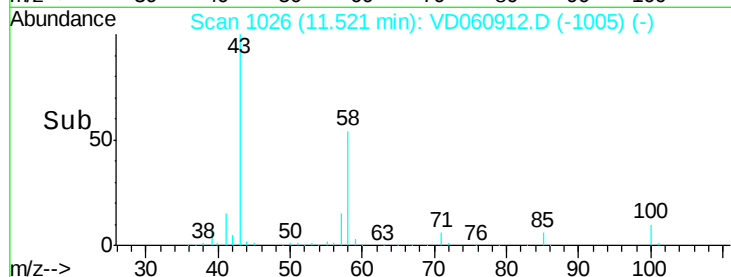
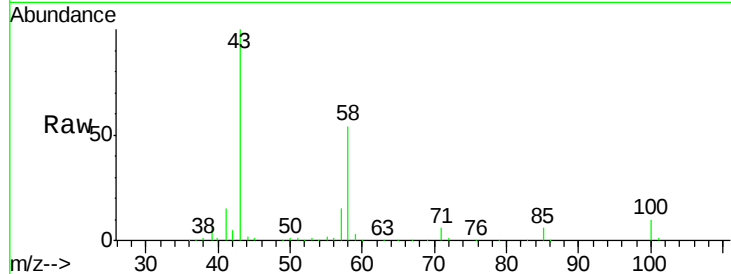
#59
2-Hexanone
Concen: 210.595 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 899650
Ion Ratio Lower Upper
43 100
58 54.3 25.4 76.2

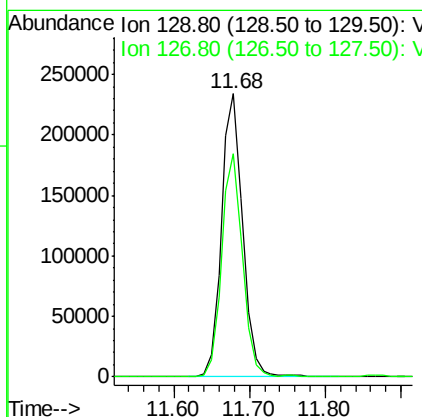
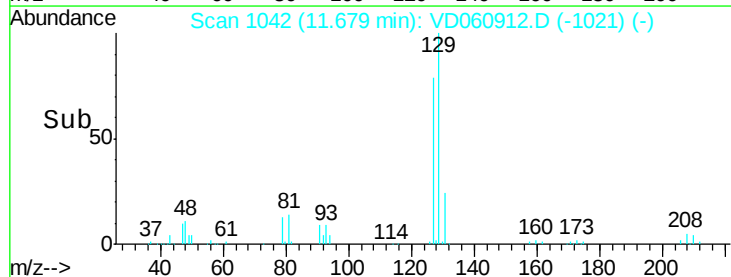
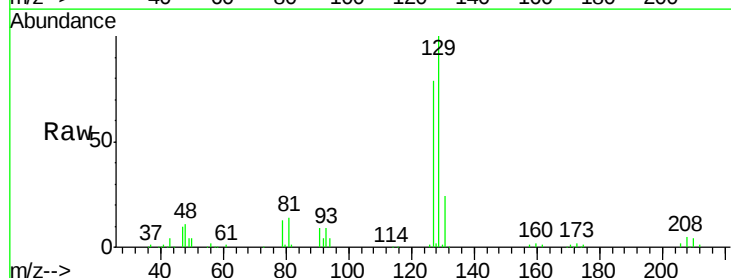
Manual Integrations
APPROVED

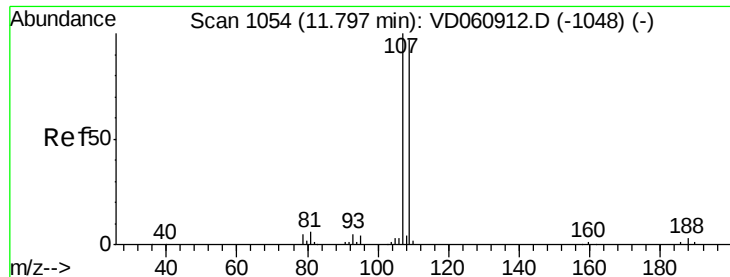
MMDadoda
3/6/2019 5:33:06 AM



#60
Dibromochloromethane
Concen: 47.122 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 129 Resp: 452842
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.3





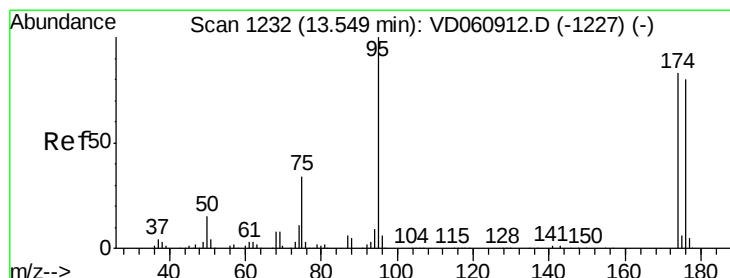
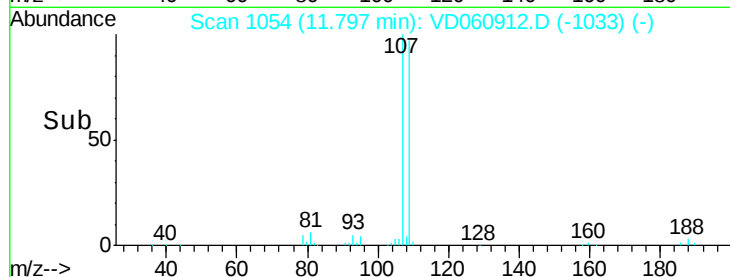
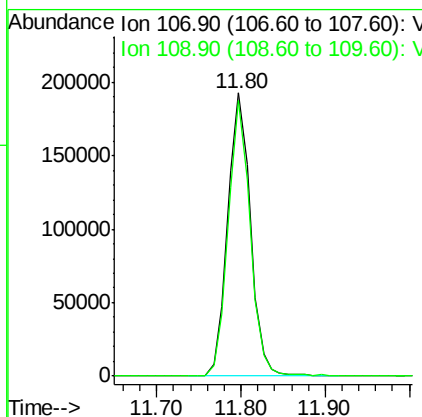
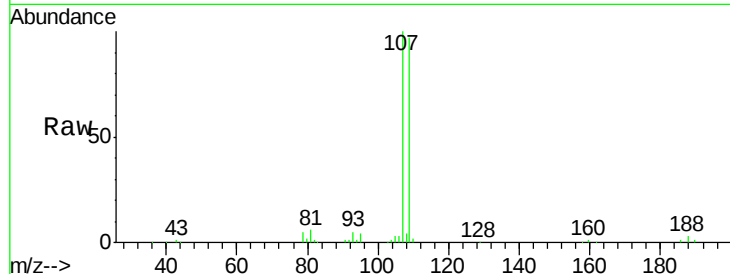
#61
 1,2-Dibromoethane
 Concen: 47.733 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 361370
 Ion Ratio Lower Upper
 107 100
 109 97.5 75.0 112.6

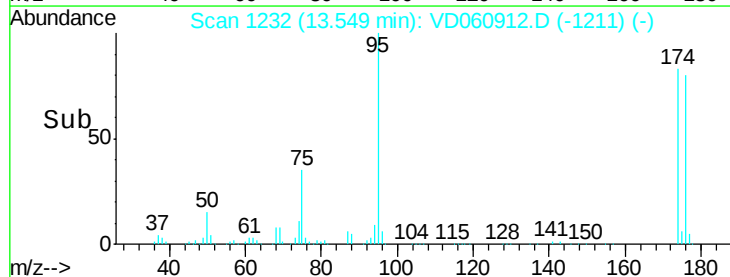
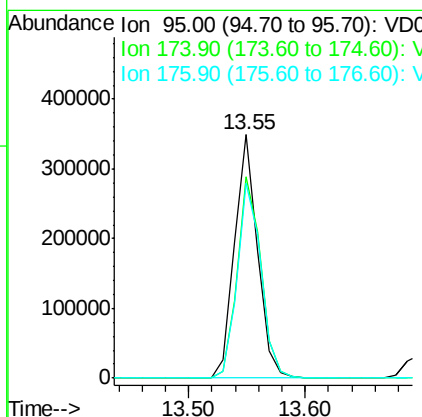
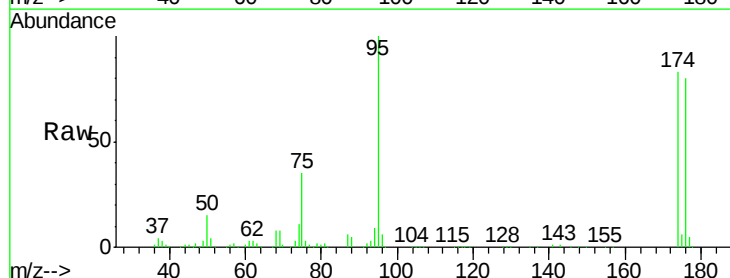
Manual Integrations
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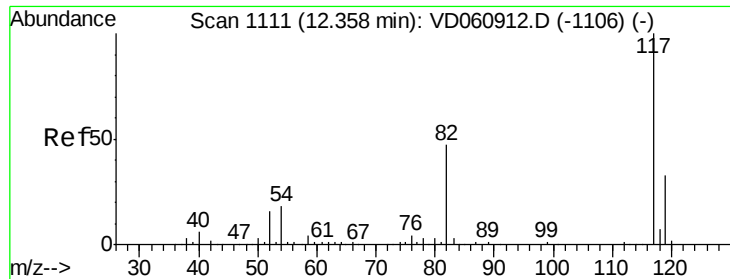
MMDadoda
 3/6/2019 5:33:06 AM



#62
 4-Bromofluorobenzene
 Concen: 47.733 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 95 Resp: 476805
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 207.2
 176 80.3 0.0 198.4





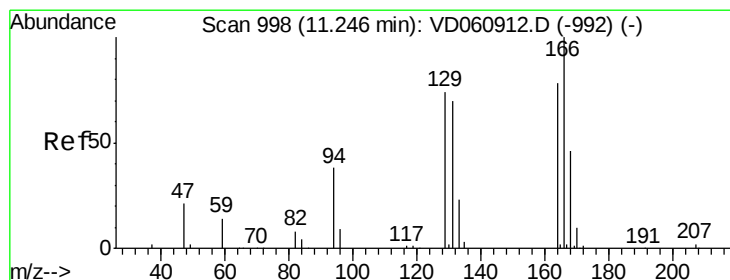
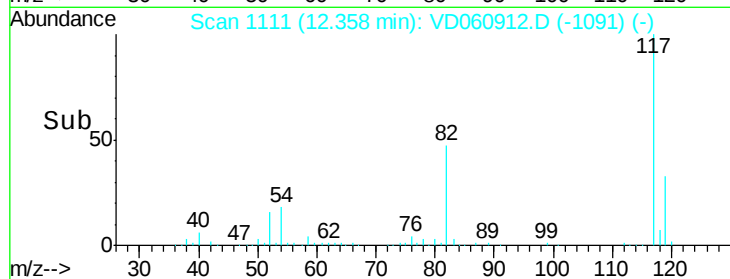
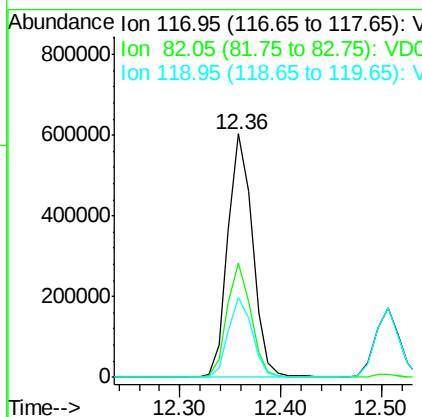
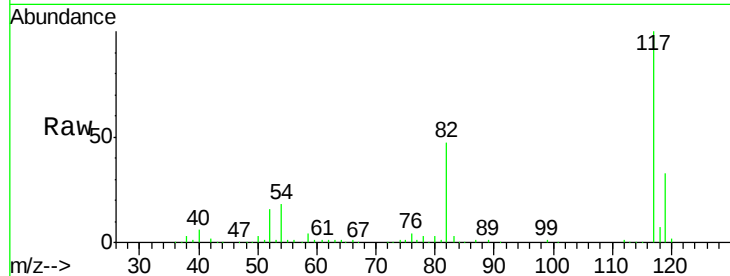
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1027515
Ion Ratio Lower Upper
117 100
82 46.9 45.5 68.3
119 32.7 25.7 38.5

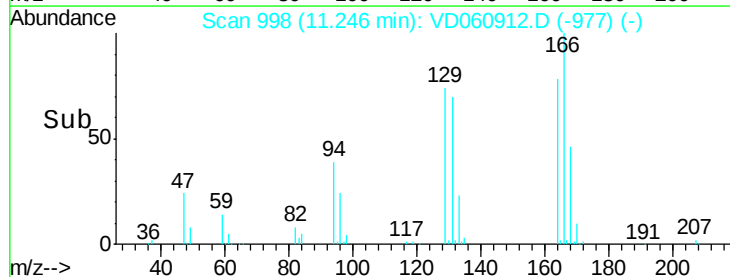
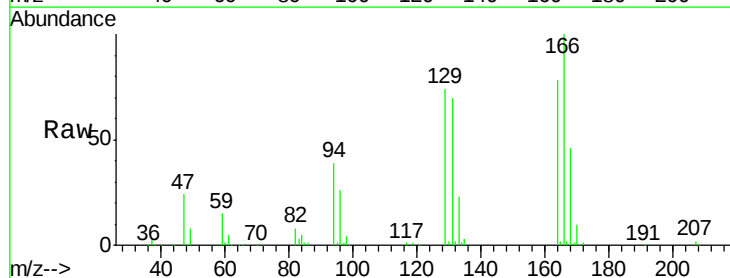
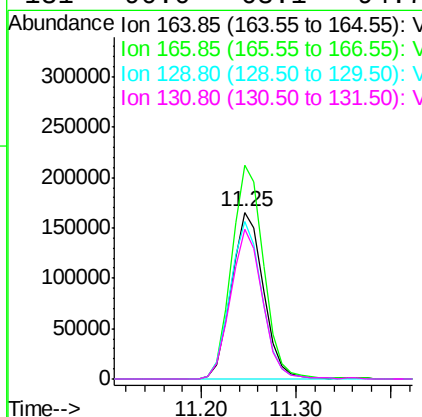
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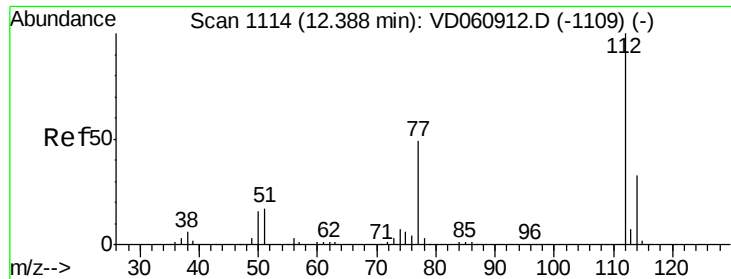
MMDadoda
3/6/2019 5:33:06 AM



#64
Tetrachloroethene
Concen: 42.350 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:164 Resp: 388813
Ion Ratio Lower Upper
164 100
166 127.9 101.9 152.9
129 94.5 63.0 94.4#
131 90.0 63.1 94.7





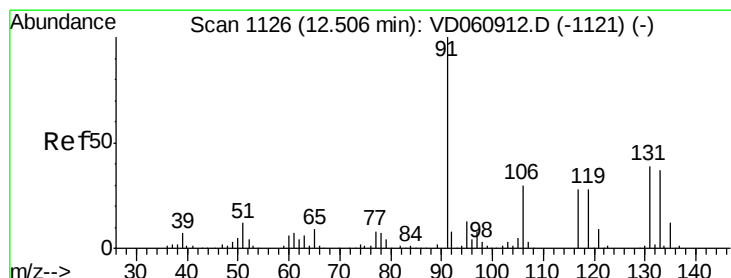
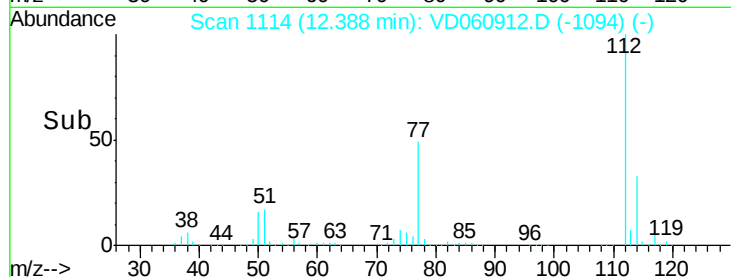
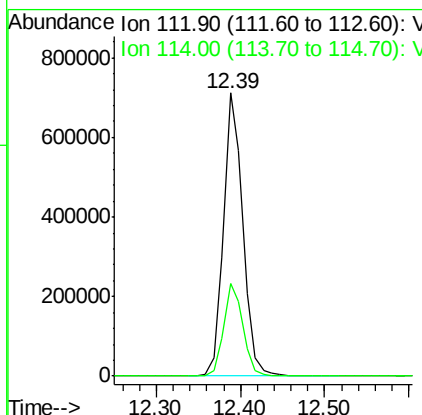
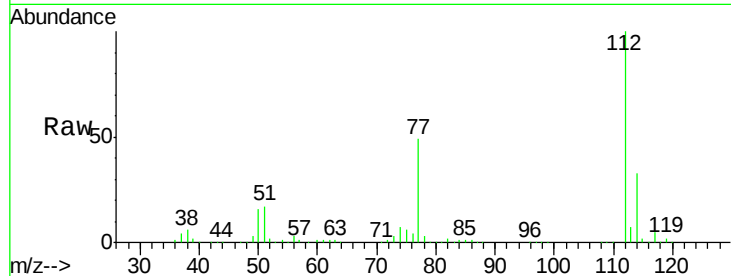
#65
Chlorobenzene
Concen: 54.226 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1129292
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6

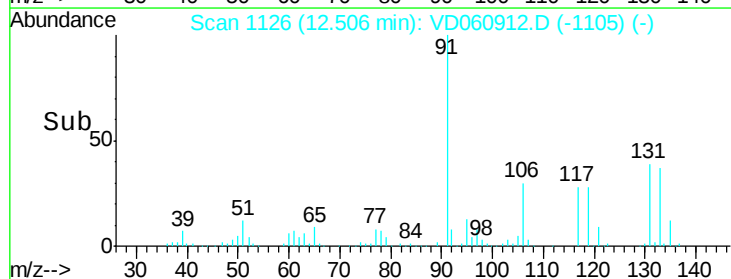
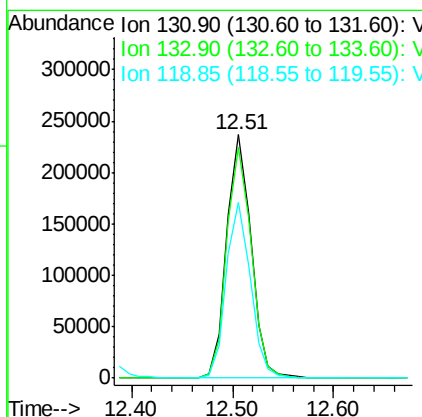
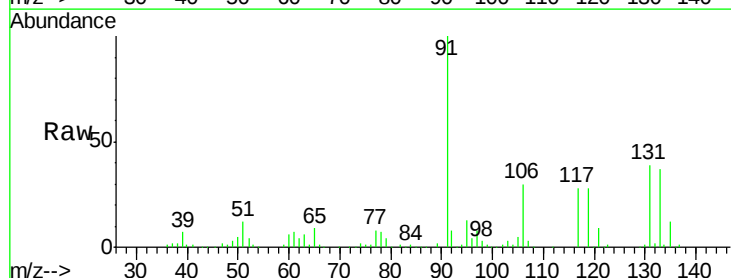
Manual Integrations
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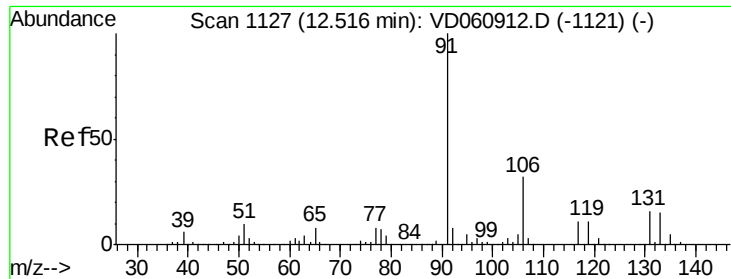
MMDadoda
3/6/2019 5:33:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.084 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:131 Resp: 398491
Ion Ratio Lower Upper
131 100
133 94.9 48.5 145.6
119 72.1 32.8 98.3





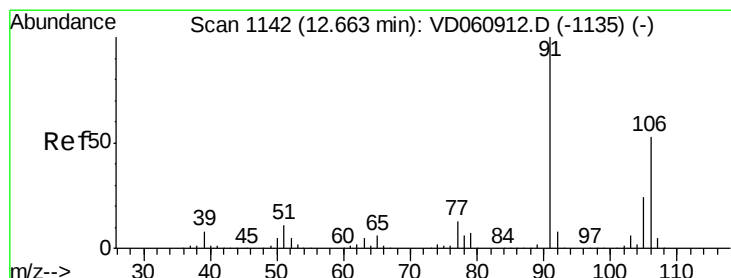
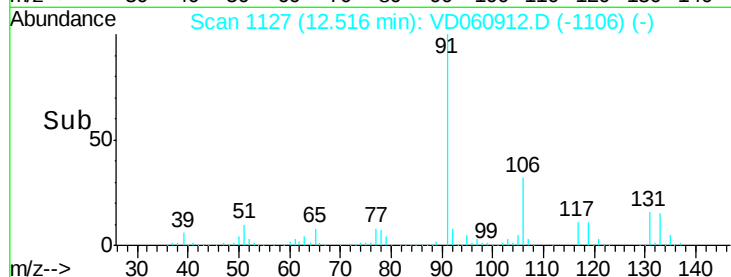
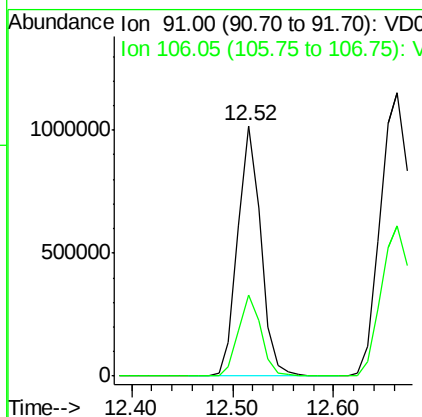
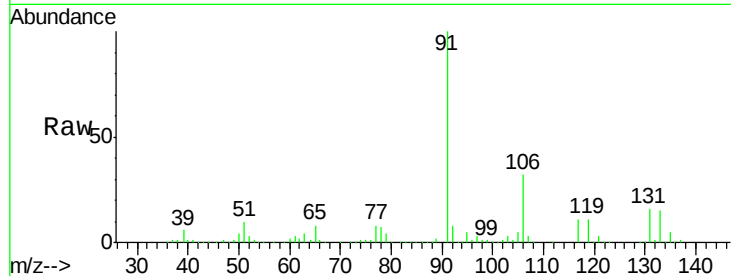
#67
Ethyl Benzene
Concen: 45.689 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1619521
Ion Ratio Lower Upper
91 100
106 32.2 22.2 33.2

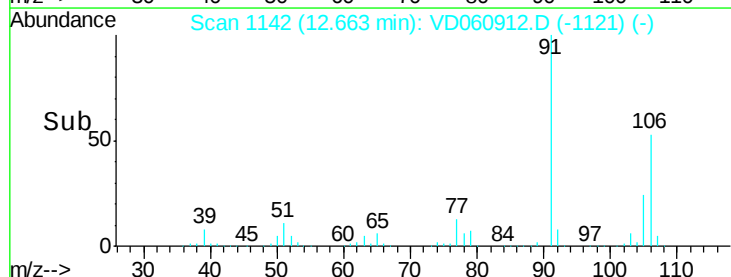
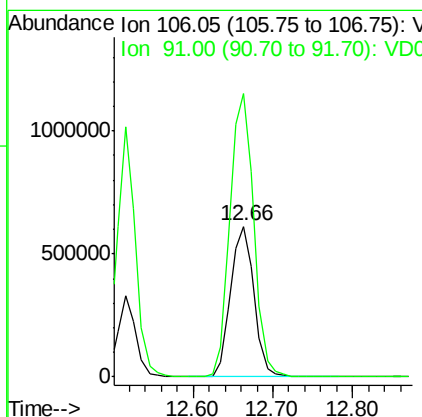
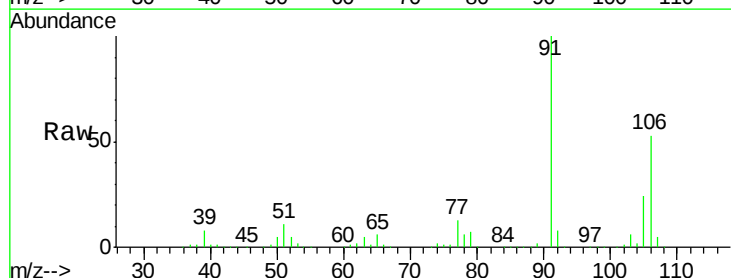
Manual Integrations
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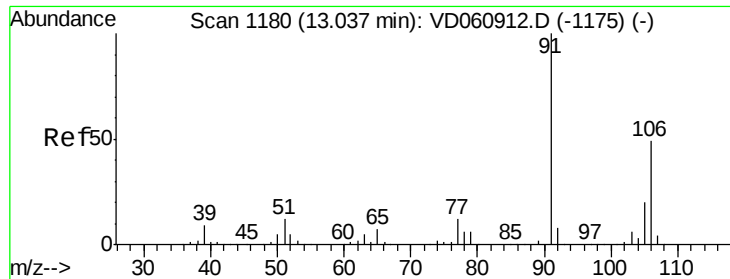
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#68
m/p-Xylenes
Concen: 101.049 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 106 Resp: 1265992
Ion Ratio Lower Upper
106 100
91 187.8 174.2 261.2





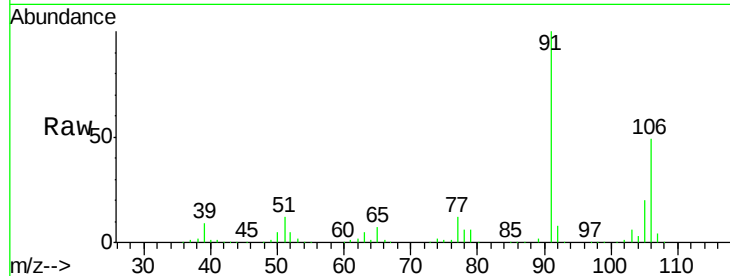
#69
o-Xylene
Concen: 52.382 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

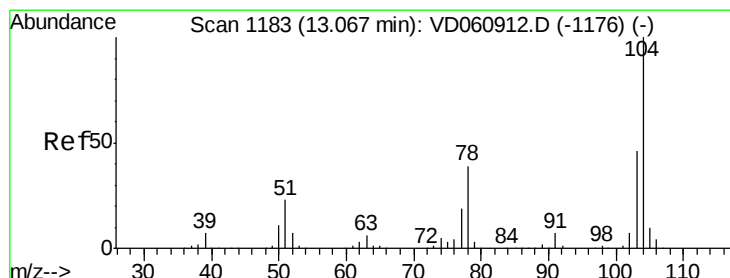
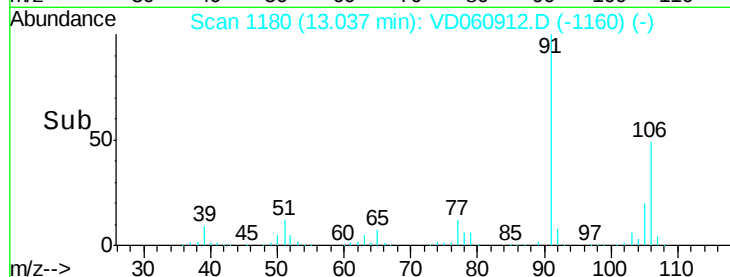
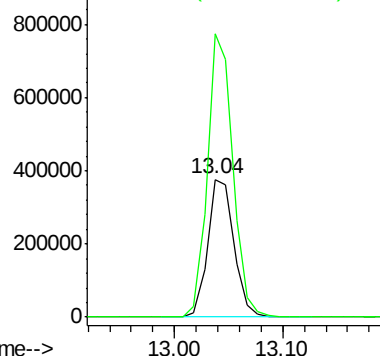
Tot Ion:106 Resp: 632055
Ion Ratio Lower Upper
106 100
91 205.8 116.9 350.7

Manual Integrations
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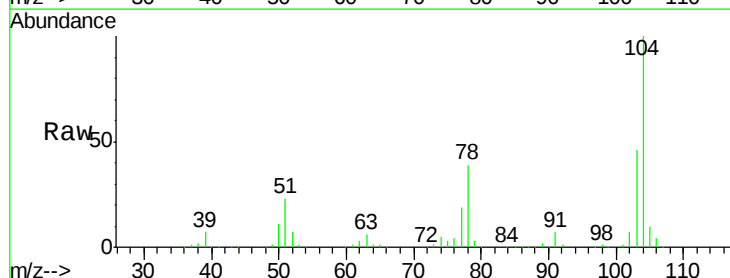


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

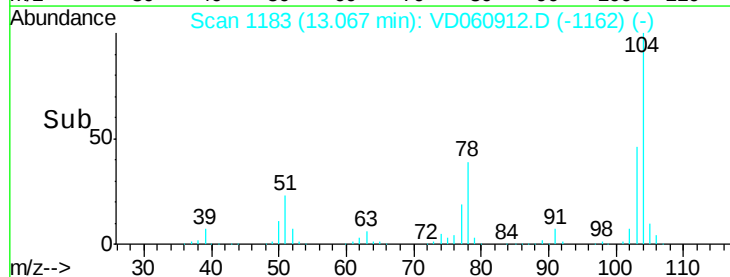
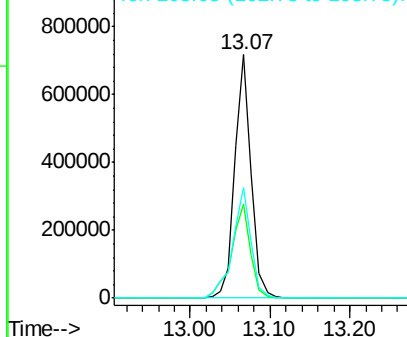


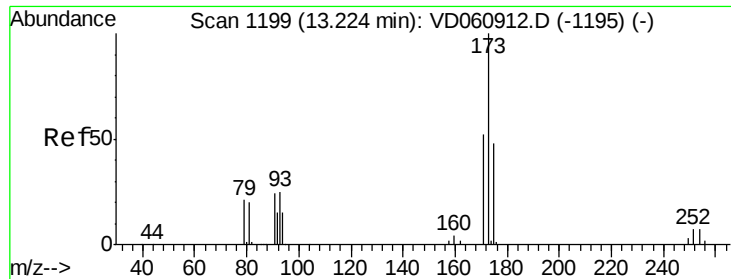
#70
Styrene
Concen: 51.093 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:104 Resp: 1036153
Ion Ratio Lower Upper
104 100
78 38.7 34.6 51.8
103 45.6 36.3 54.5



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





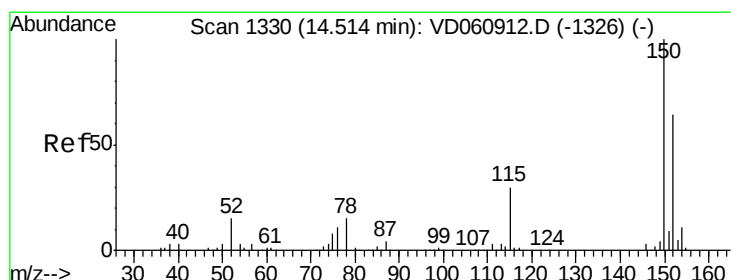
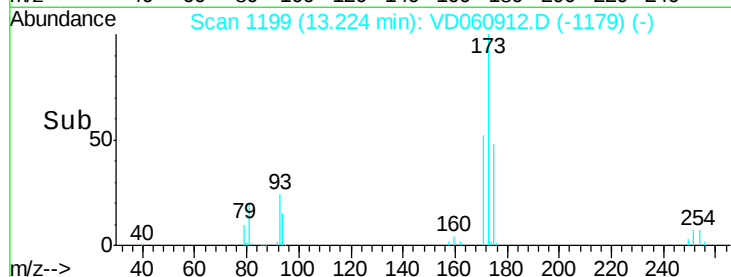
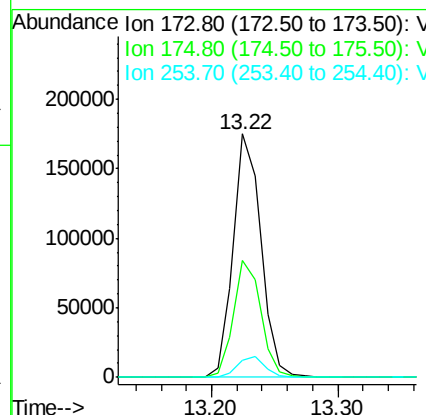
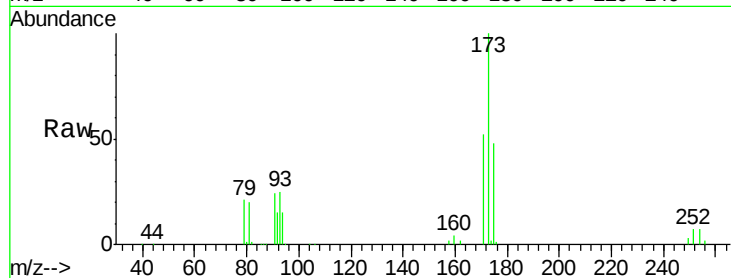
#71
Bromoform
Concen: 40.245 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.8
254	7.0	6.0	9.0

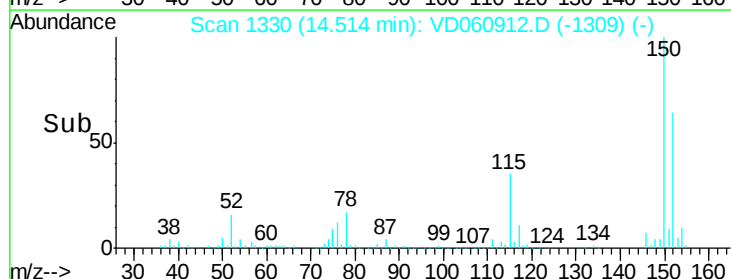
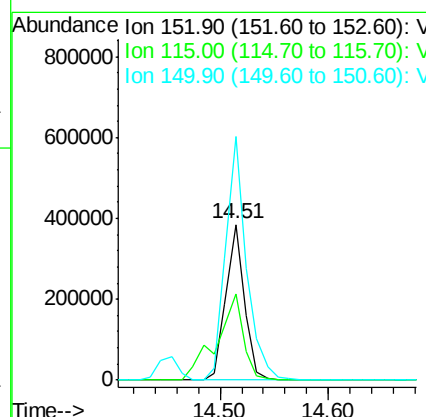
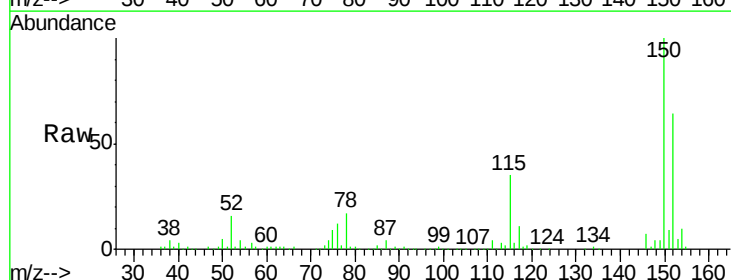
Manual Integrations
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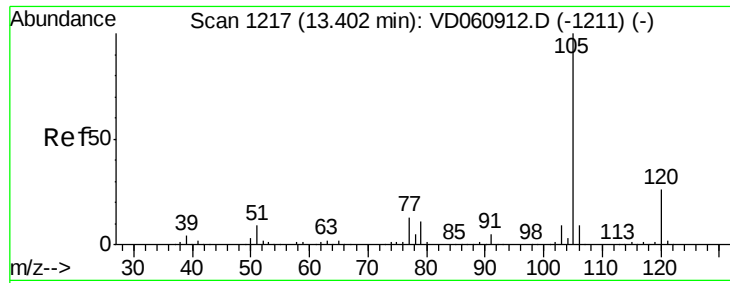
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3/6/2019 5:33:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	24.4	73.2
150	156.4	0.0	311.0





#73

Isopropylbenzene

Concen: 63.772 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1719134

Ion Ratio Lower Upper

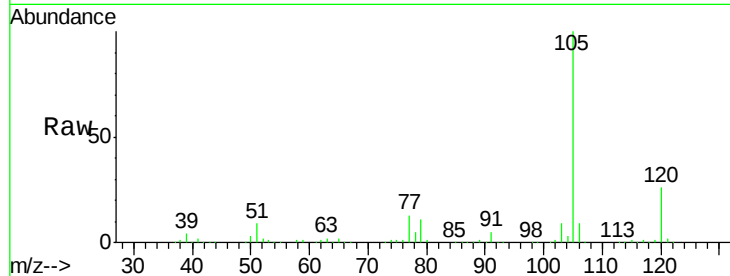
105 100

120 25.8 12.2 36.6

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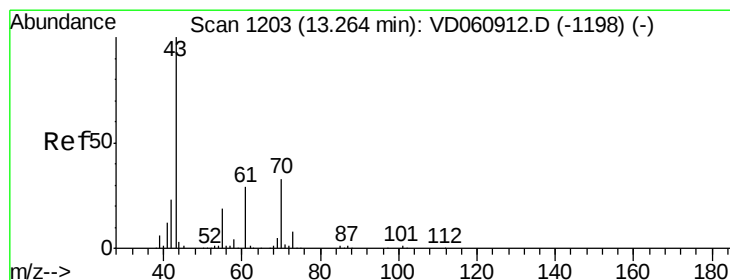
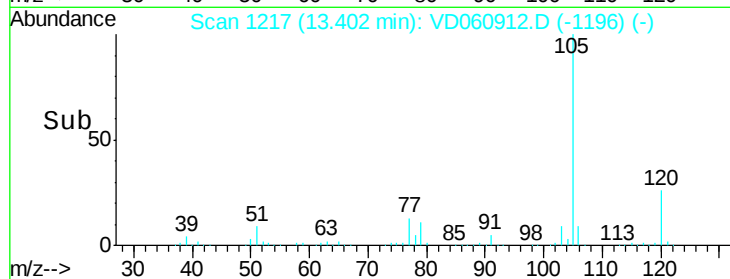
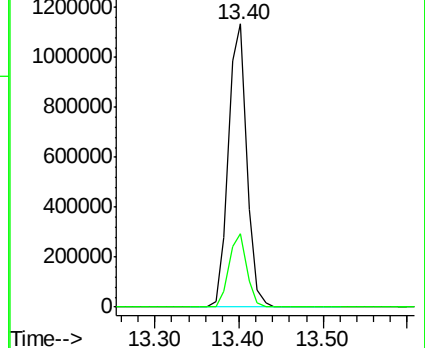
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.928 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion: 43 Resp: 474494

Ion Ratio Lower Upper

43 100

70 32.9 26.8 40.2

55 19.3 14.2 21.4

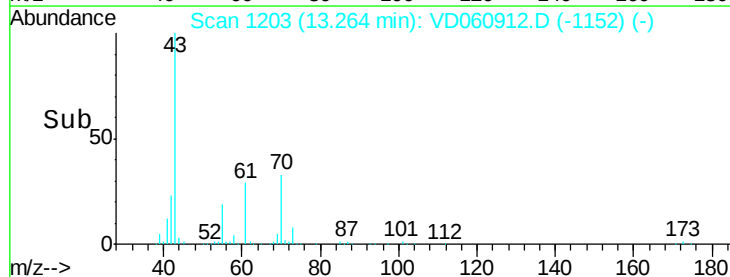
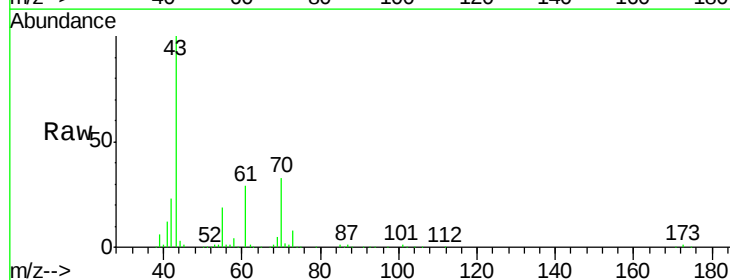
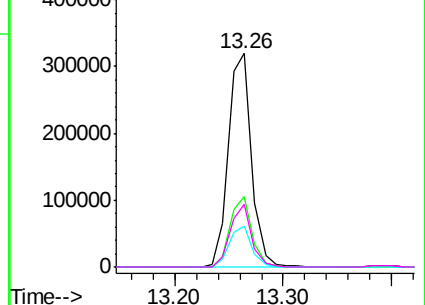
61 29.2 20.6 31.0

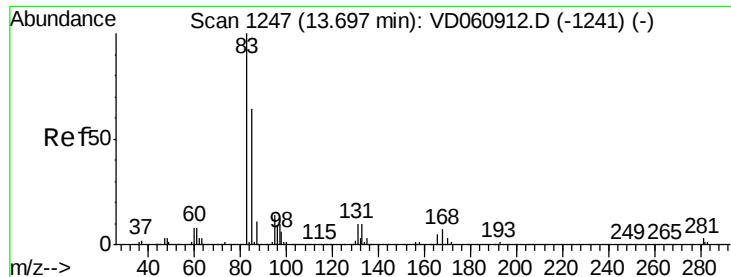
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.422 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

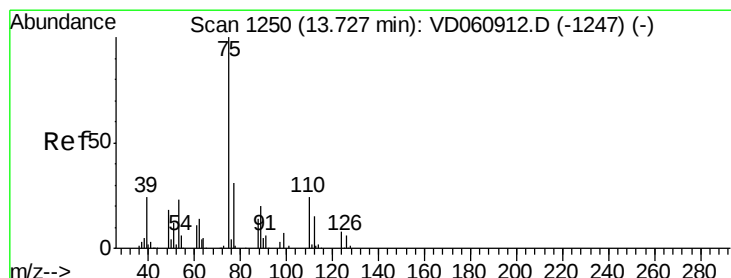
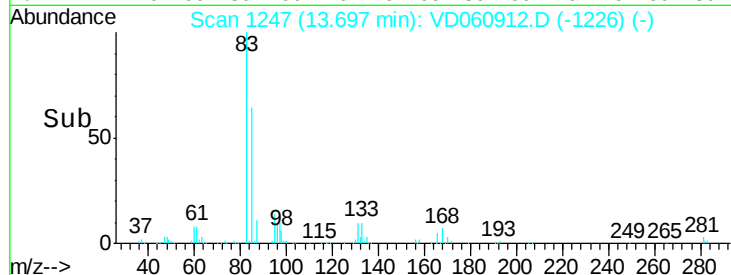
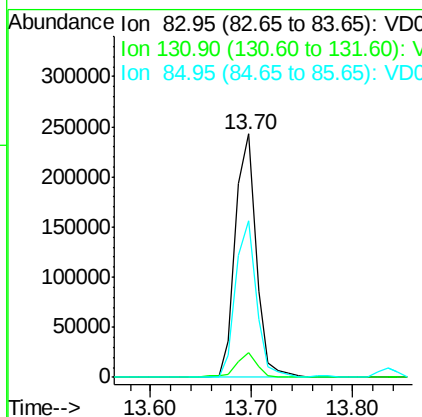
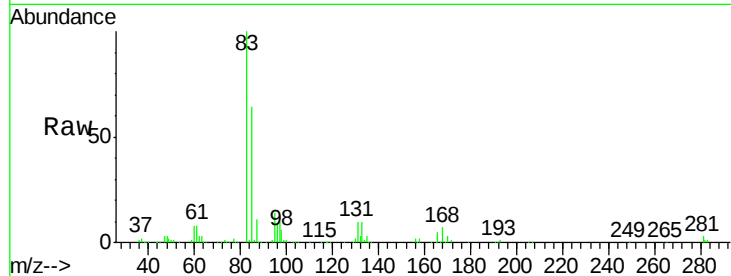
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	348043
Ion Ratio		Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.335 ug/l

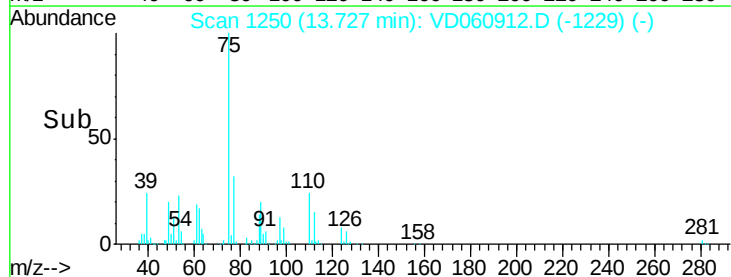
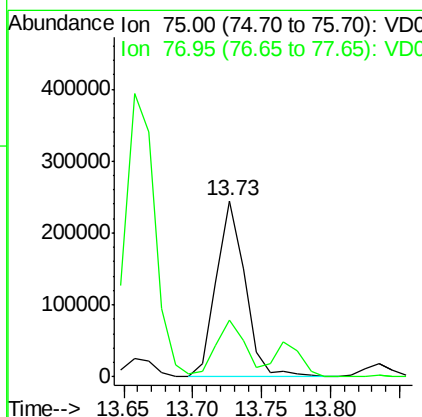
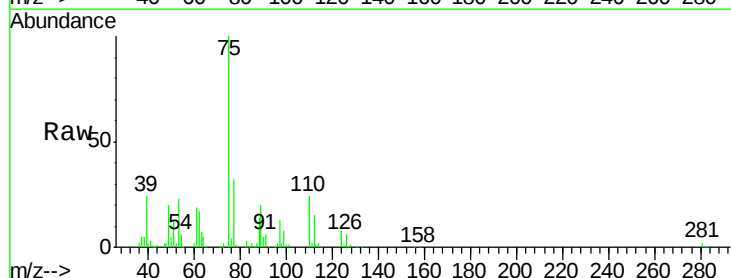
RT: 13.73 min Scan# 1250

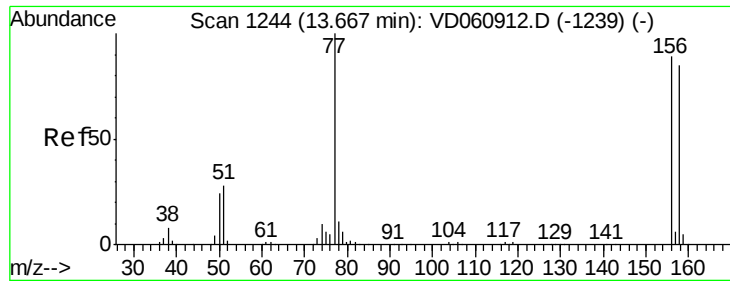
Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion:	75	Resp:	351909
Ion Ratio		Lower	Upper
75	100		
77	32.4	16.3	48.8





#77

Bromobenzene

Concen: 51.917 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

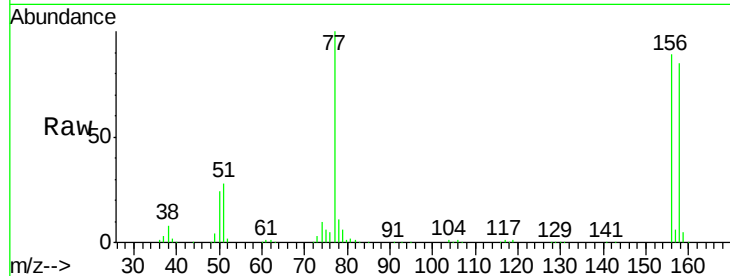
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	112.8	67.4	202.2	
158	96.1	49.2	147.6	

Manual Integrations
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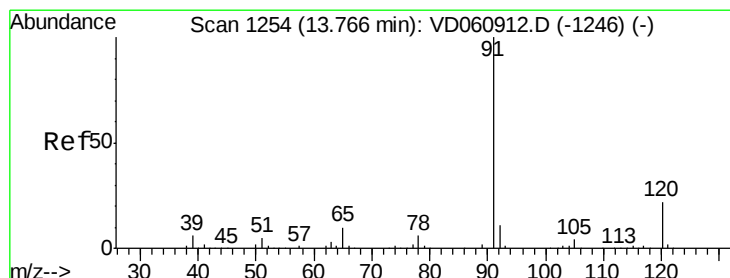
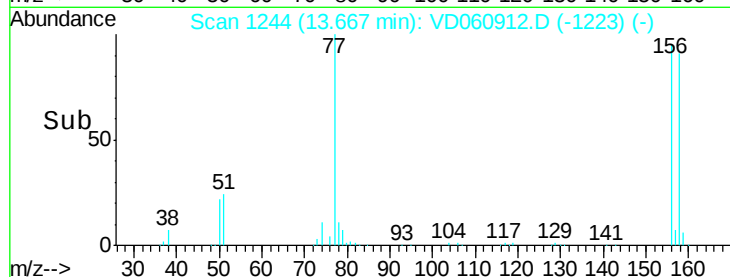
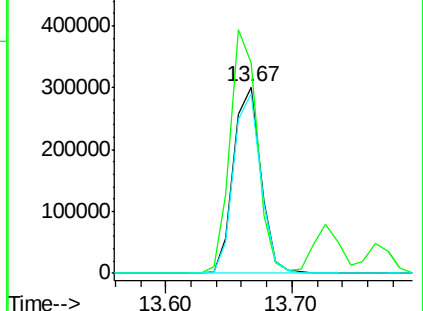
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.269 ug/l

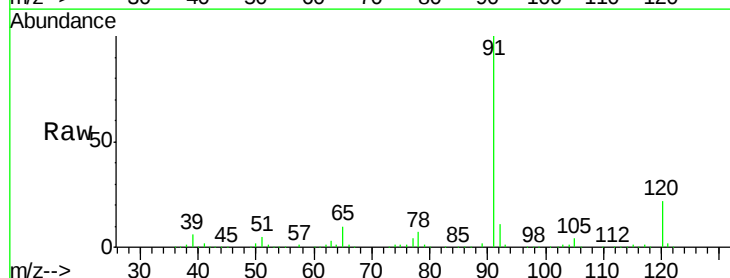
RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD060912.D

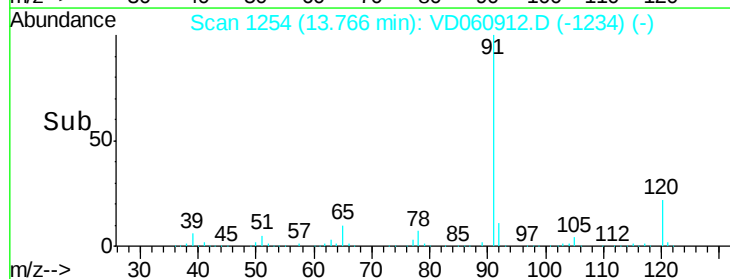
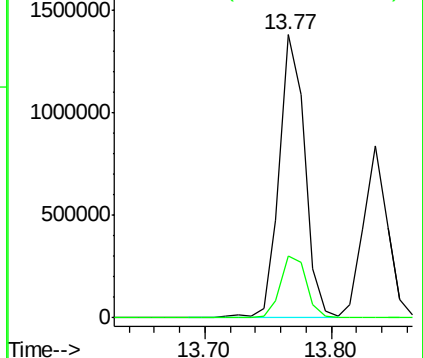
Acq: 1 Mar 2019 16:36

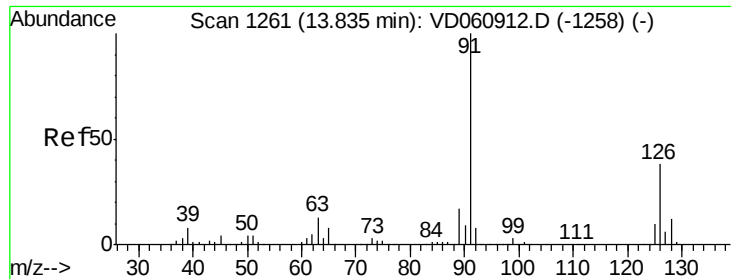
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	10.1	30.3	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.752 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1105835

Ion Ratio Lower Upper

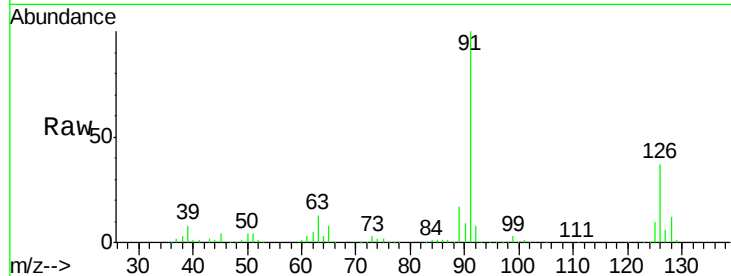
91 100

126 37.5 17.4 52.2

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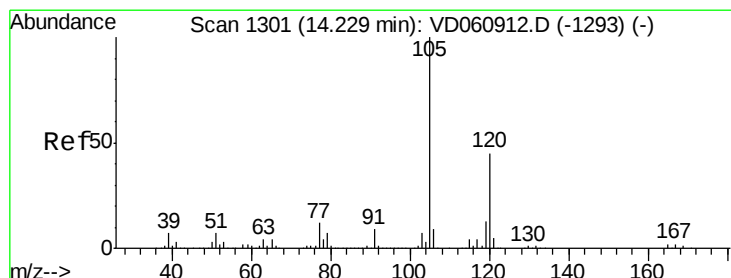
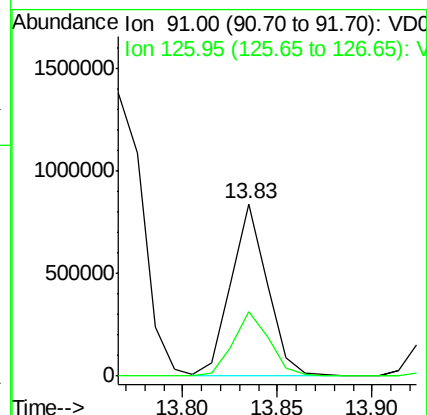
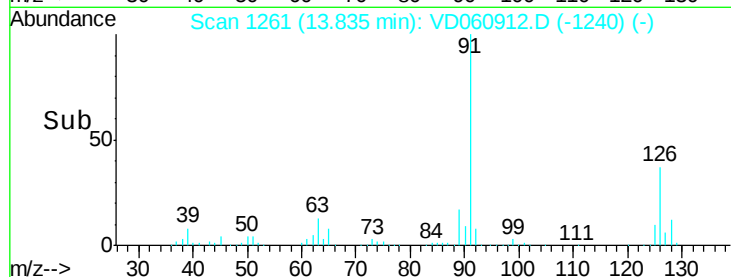
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Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.961 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060912.D

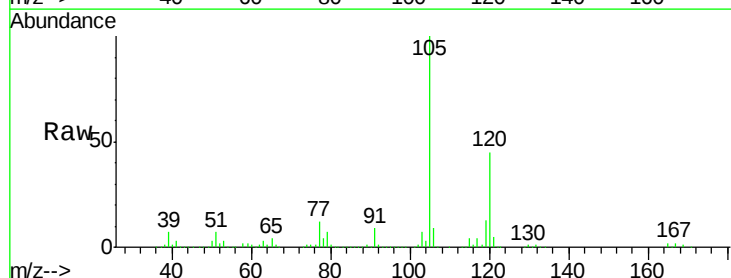
Acq: 1 Mar 2019 16:36

Tgt Ion: 105 Resp: 1284124

Ion Ratio Lower Upper

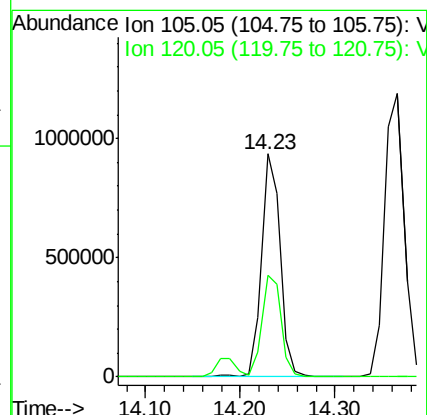
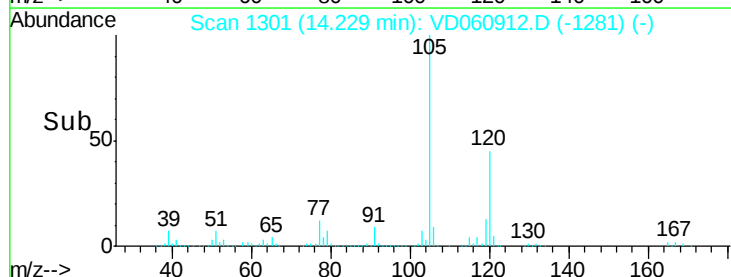
105 100

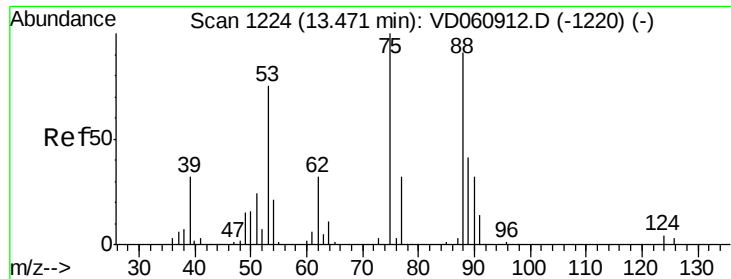
120 45.4 22.8 68.4



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

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)





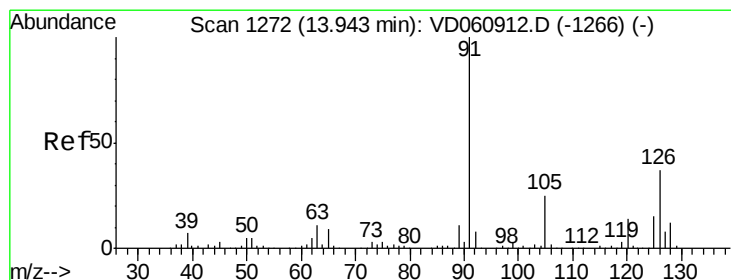
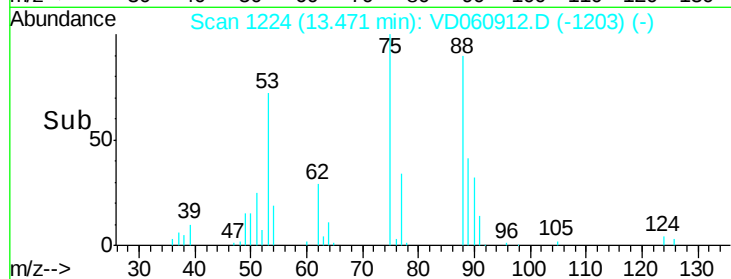
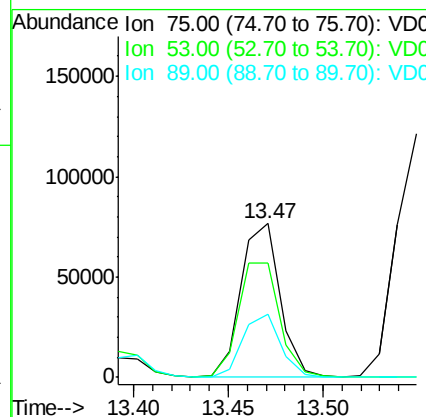
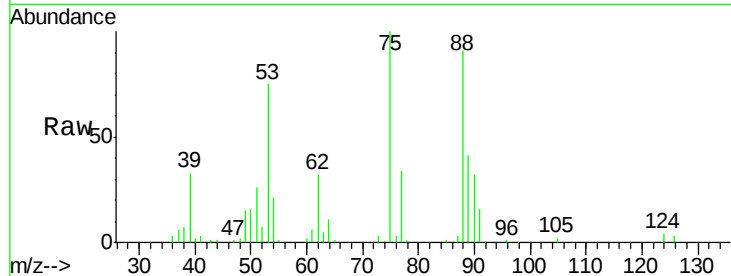
#81
trans-1,4-Dichloro-2-butene
Concen: 50.350 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.7	60.2	90.4
89	41.3	32.6	49.0

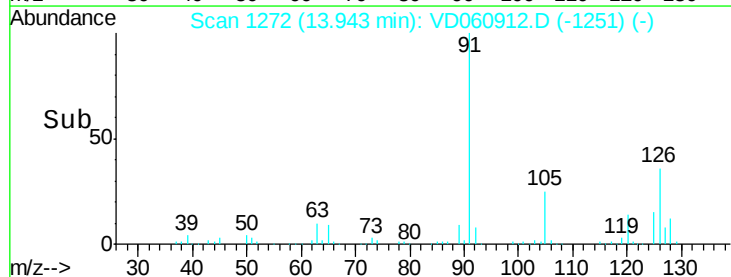
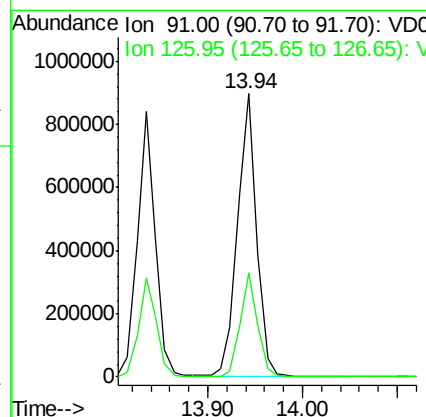
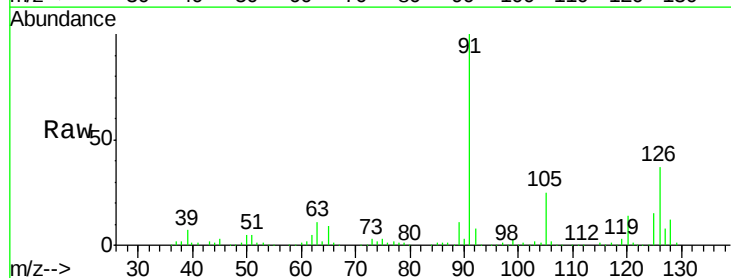
Manual Integrations
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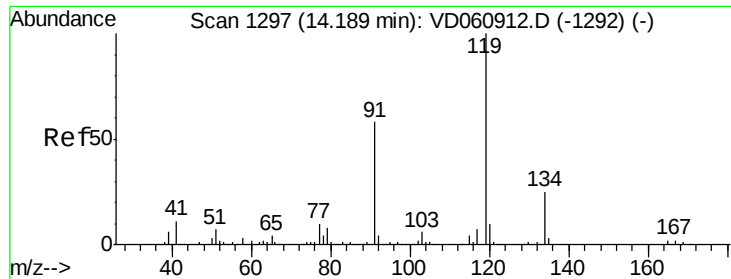
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#82
4-Chlorotoluene
Concen: 55.512 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	16.9	50.7





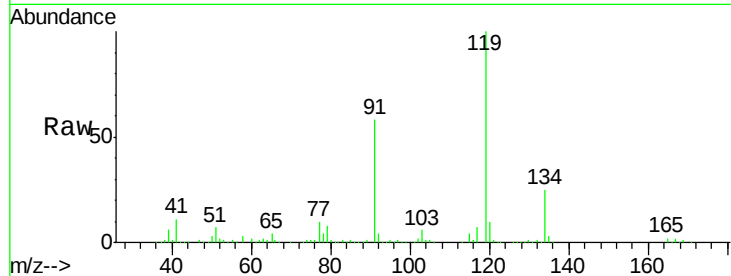
#83
tert-Butylbenzene
Concen: 61.427 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

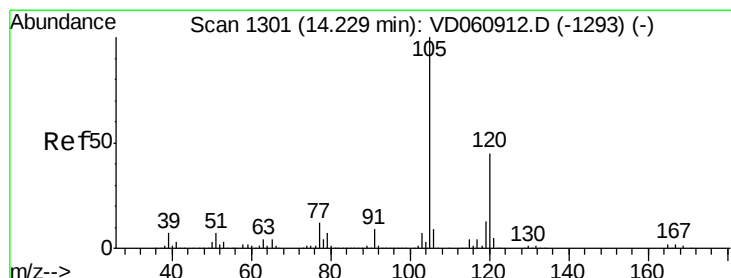
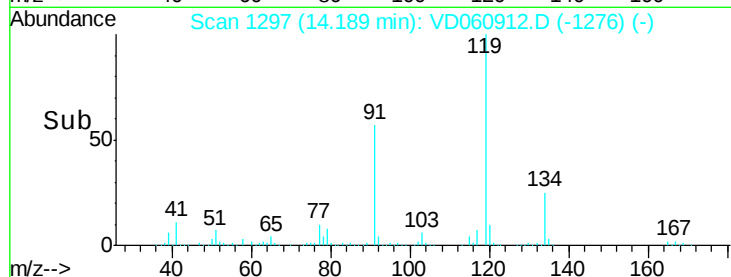
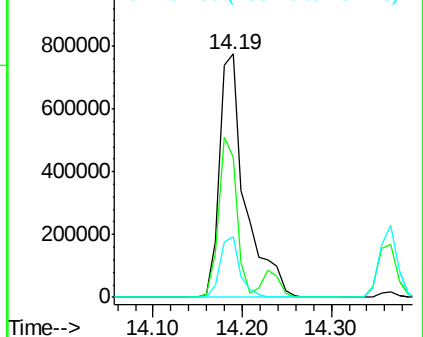
Tot Ion:119 Resp: 1571565
Ion Ratio Lower Upper
119 100
91 57.7 34.2 102.5
134 25.1 12.9 38.7

Manual Integrations
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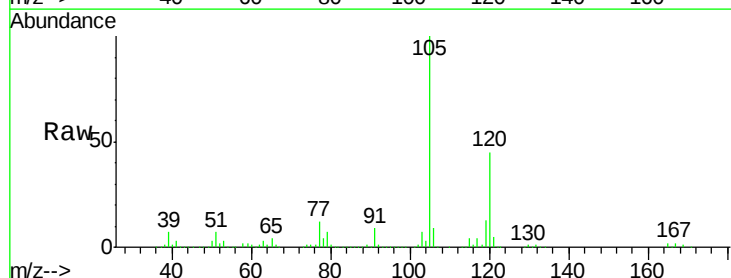


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

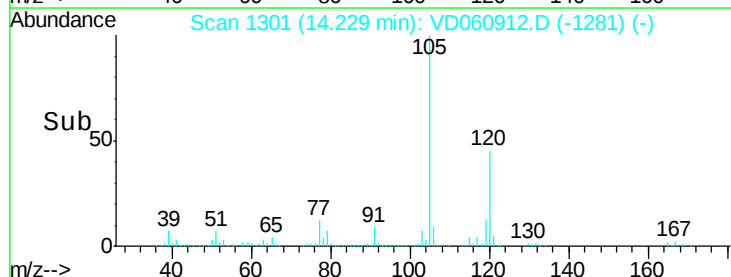
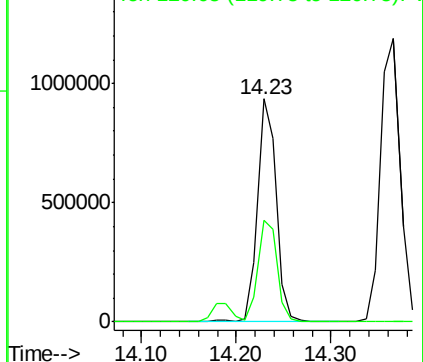


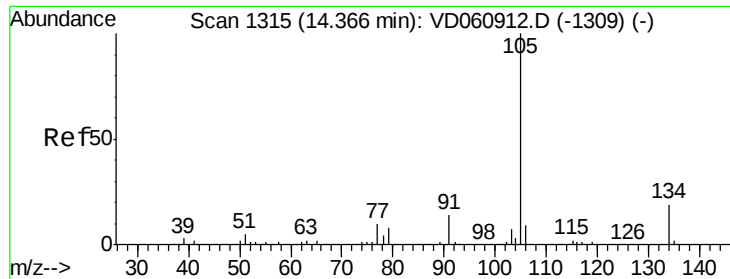
#84
1,2,4-Trimethylbenzene
Concen: 57.961 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:105 Resp: 1284124
Ion Ratio Lower Upper
105 100
120 45.4 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 60.457 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1726803

Ion Ratio Lower Upper

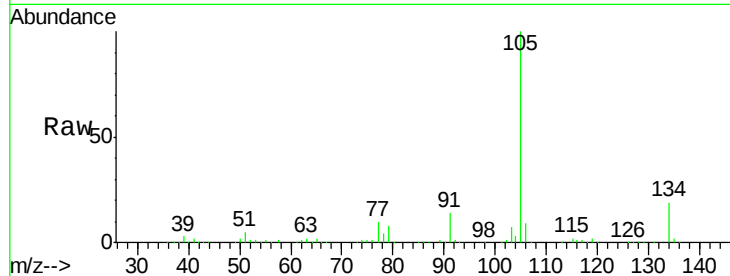
105 100

134 19.3 10.1 30.3

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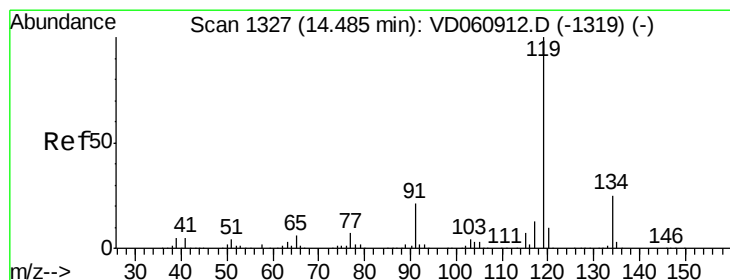
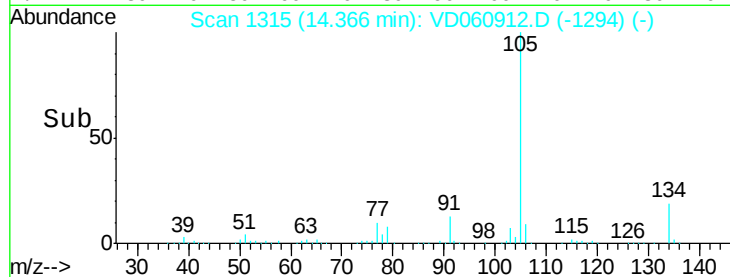
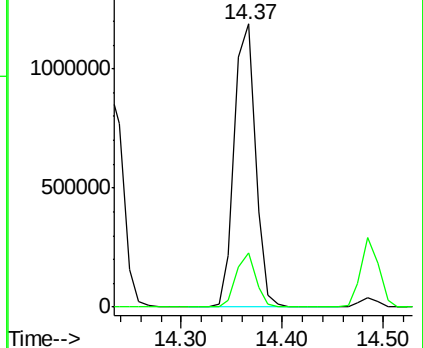
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 60.992 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

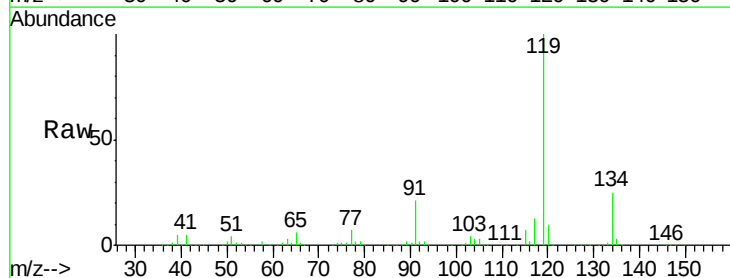
Tgt Ion:119 Resp: 1462951

Ion Ratio Lower Upper

119 100

134 24.7 12.9 38.7

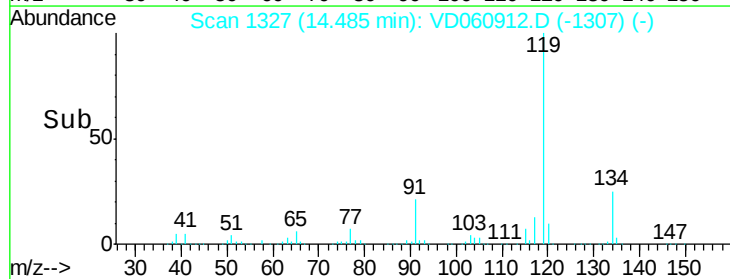
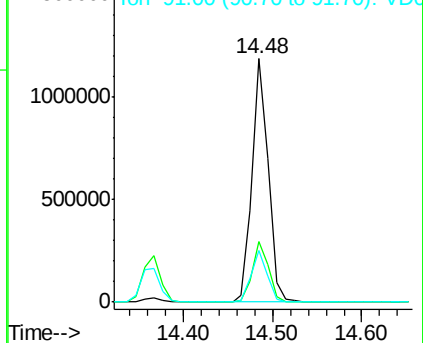
91 21.5 12.6 37.8

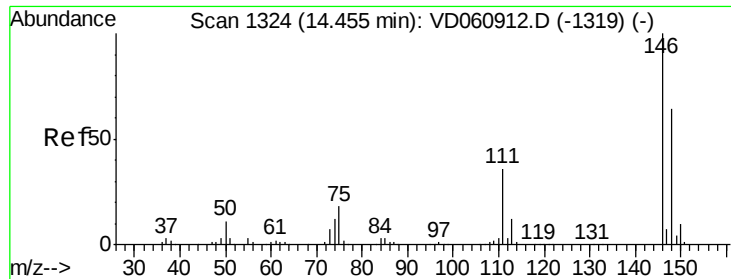


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





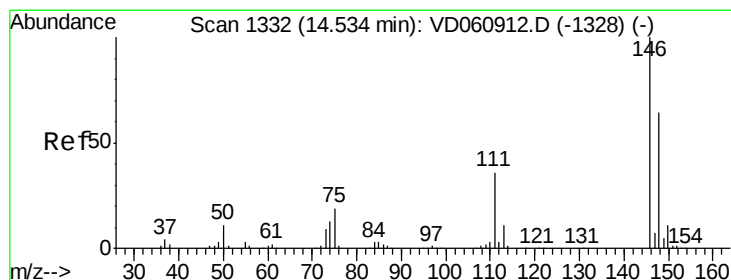
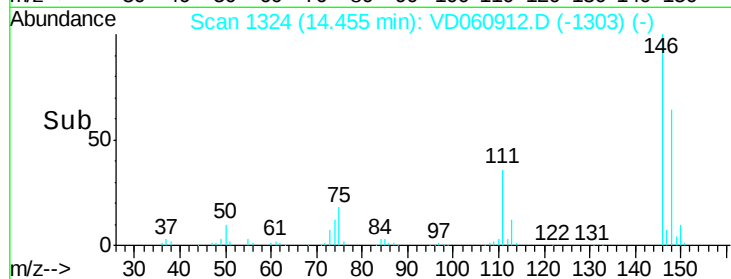
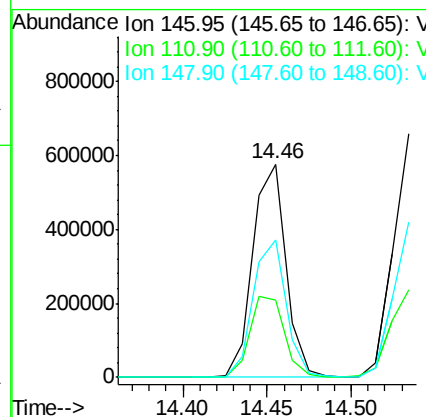
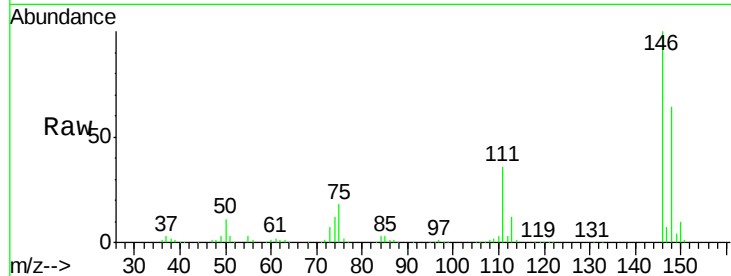
#87
 1,3-Dichlorobenzene
 Concen: 49.818 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	15.9	47.6
148	64.2	32.4	97.0

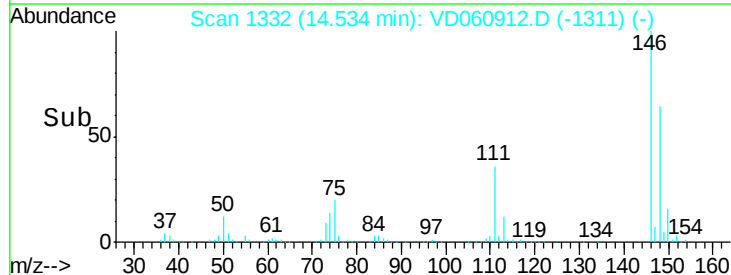
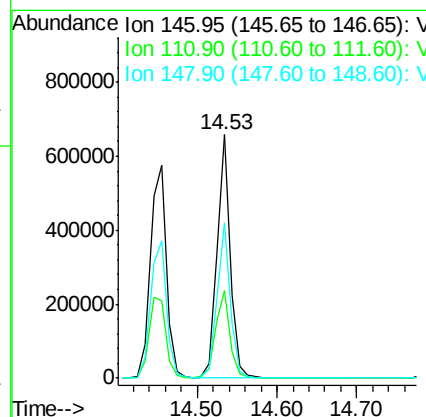
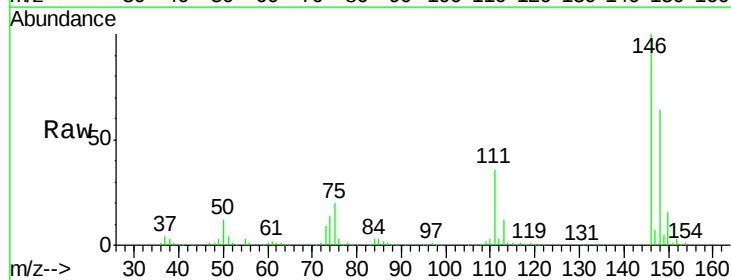
Manual Integrations
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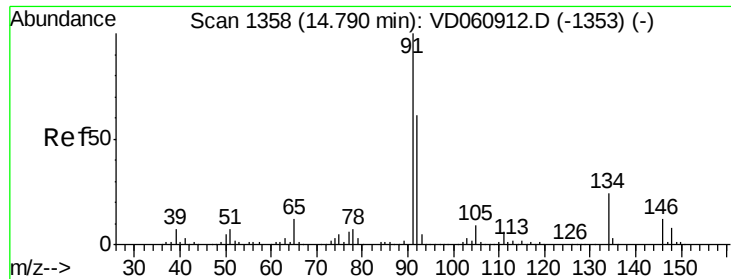
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#88
 1,4-Dichlorobenzene
 Concen: 50.379 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	15.9	47.7
148	64.0	32.6	97.8





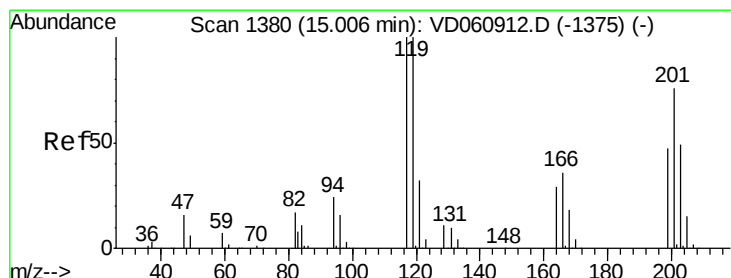
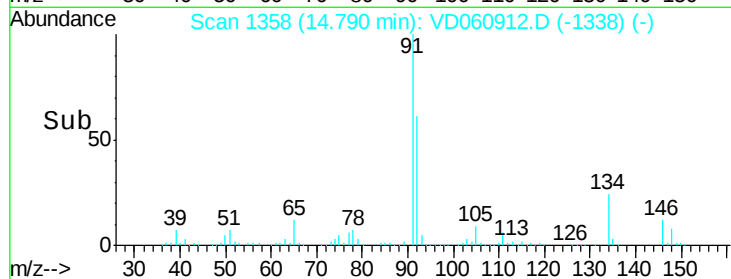
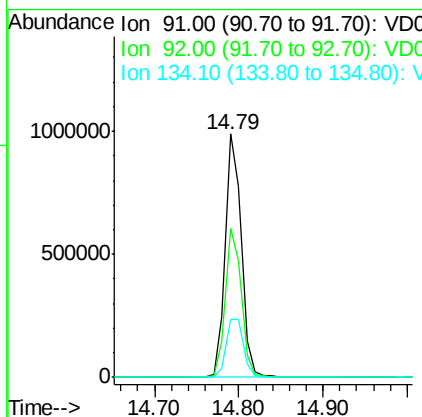
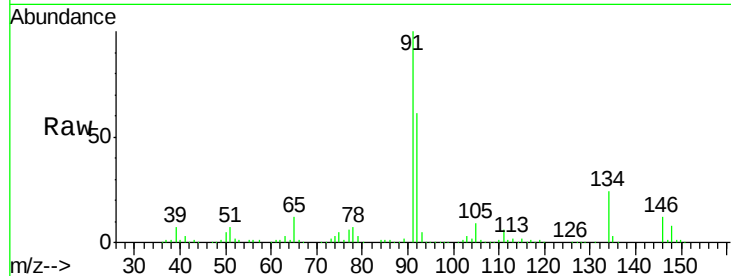
#89
n-Butylbenzene
Concen: 52.577 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1306517
Ion Ratio Lower Upper
91 100
92 61.1 30.4 91.2
134 24.0 14.1 42.2

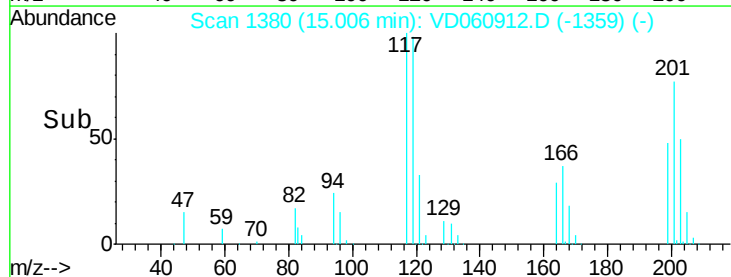
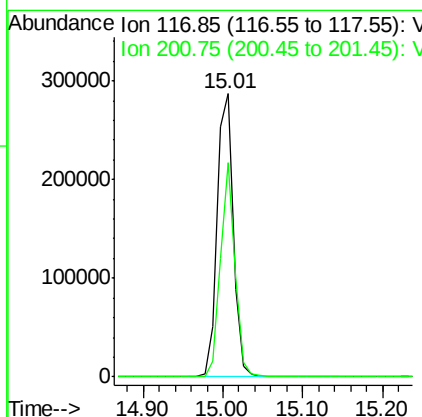
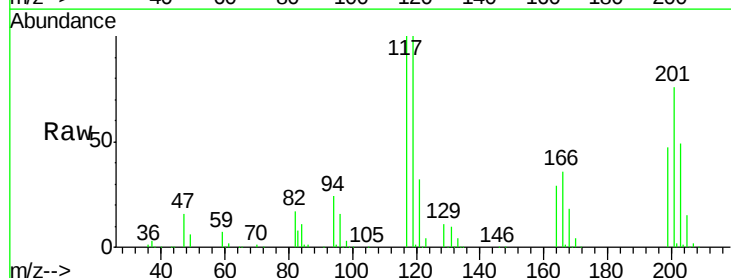
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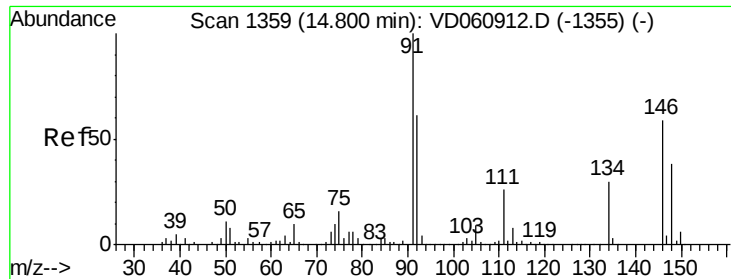
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#90
Hexachloroethane
Concen: 60.927 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 117 Resp: 414676
Ion Ratio Lower Upper
117 100
201 75.6 41.4 124.4





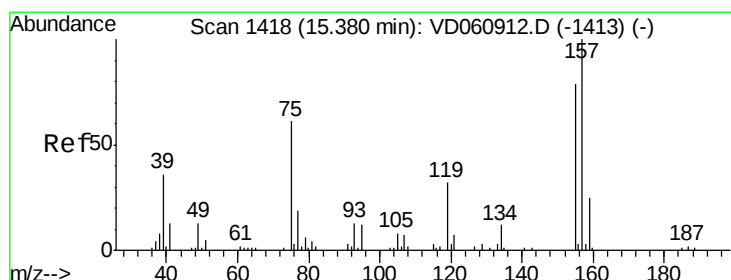
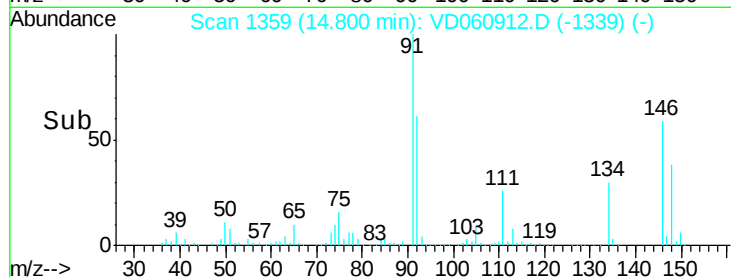
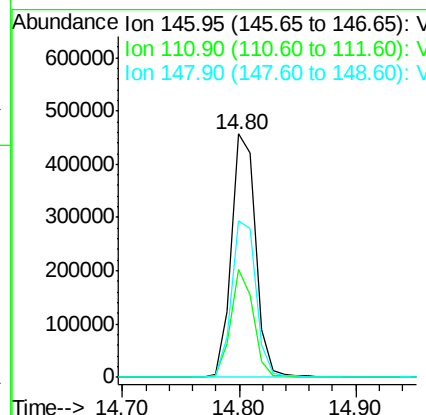
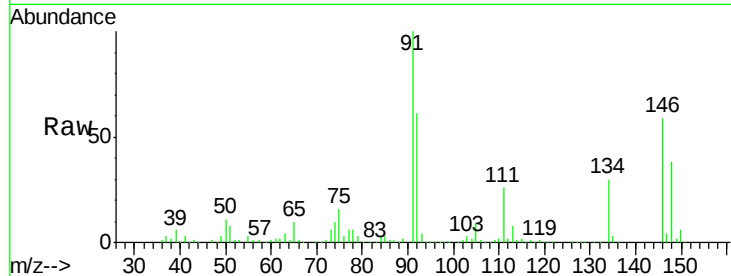
#91
 1,2-Dichlorobenzene
 Concen: 49.960 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	16.7	50.1
148	64.3	32.6	97.8

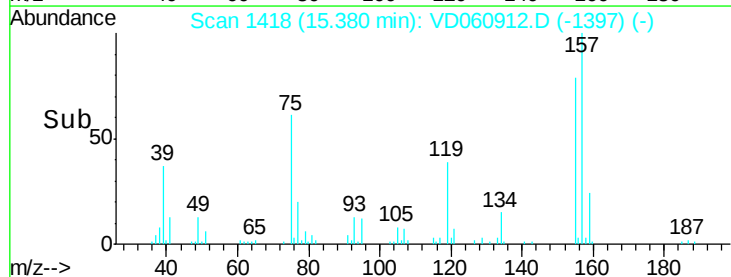
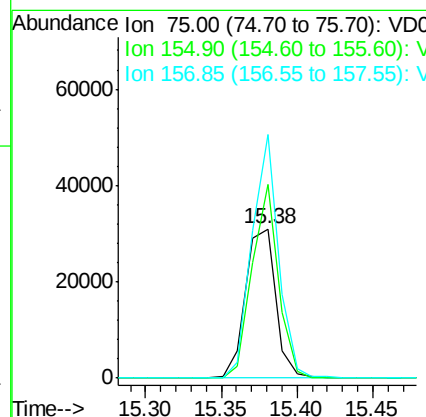
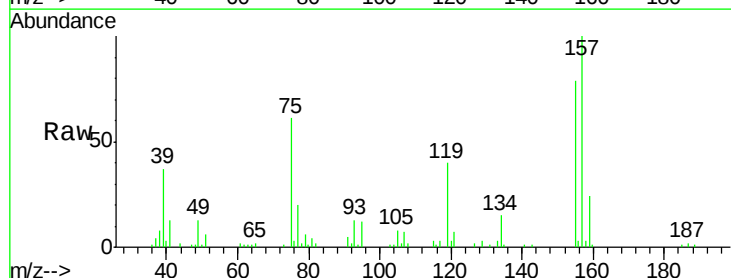
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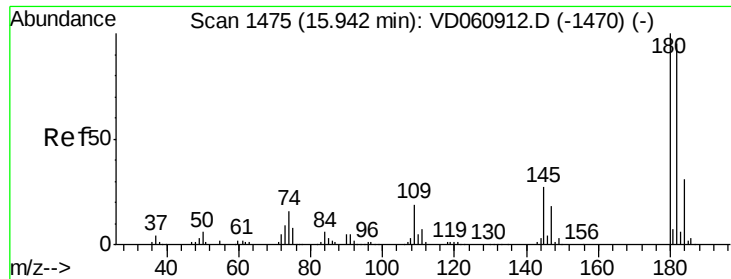
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.448 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	130.0	58.6	175.8
157	163.5	75.1	225.3





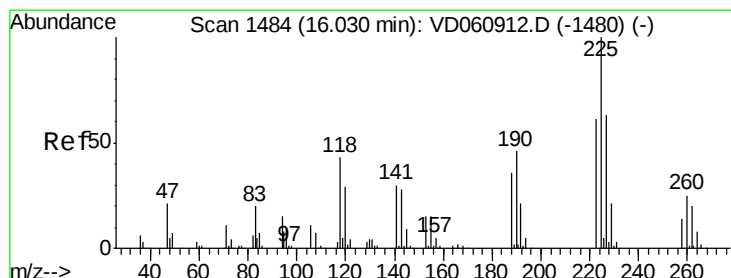
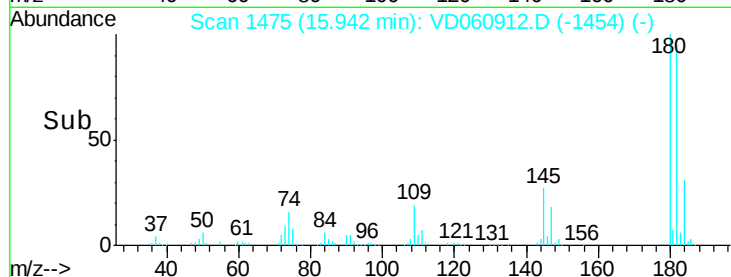
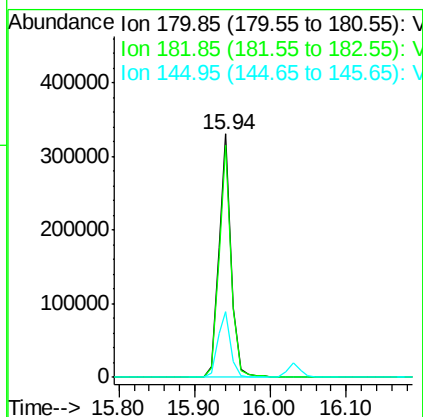
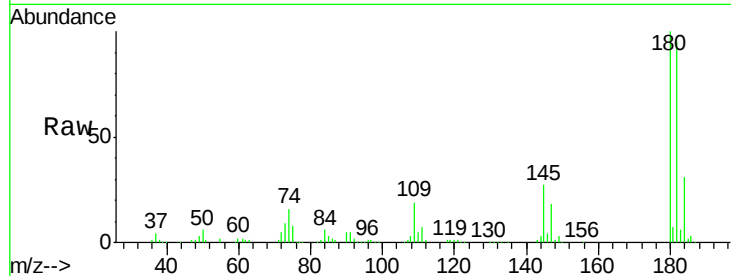
#93
 1,2,4-Trichlorobenzene
 Concen: 40.608 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	379686		
182	95.1	47.5	142.6	
145	27.0	14.3	42.9	

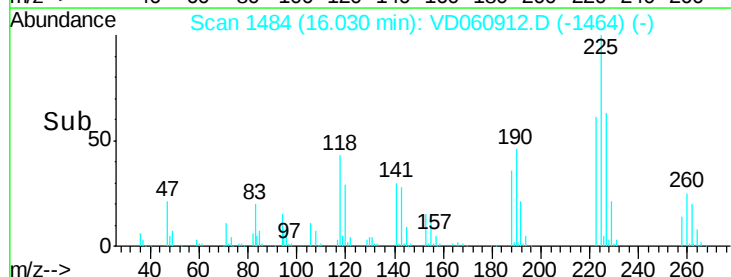
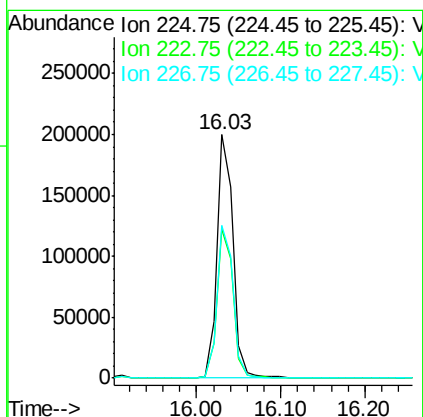
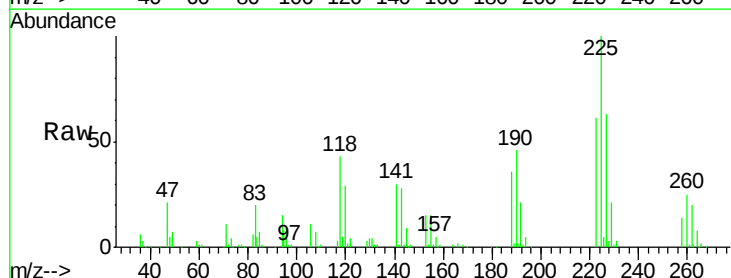
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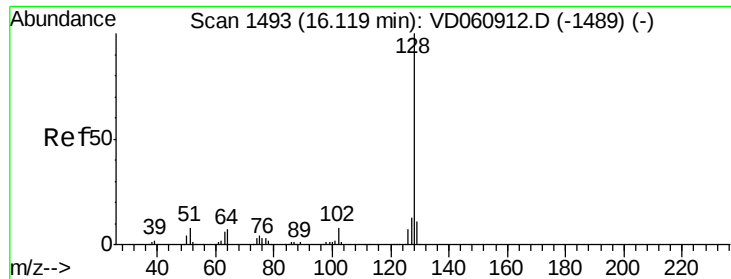
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#94
 Hexachlorobutadiene
 Concen: 46.860 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262883		
223	60.9	30.6	91.6	
227	62.8	32.0	96.0	





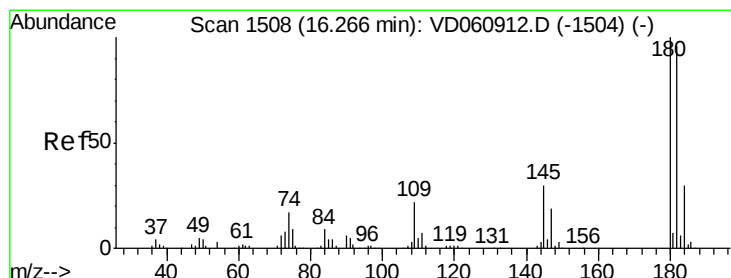
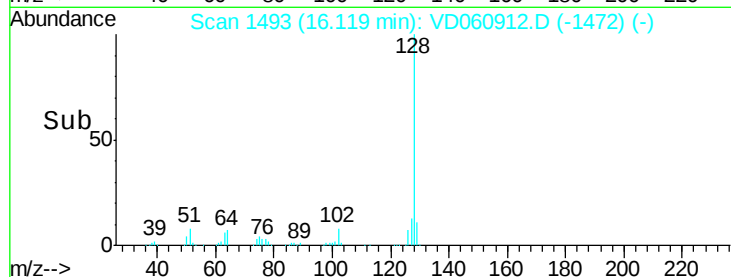
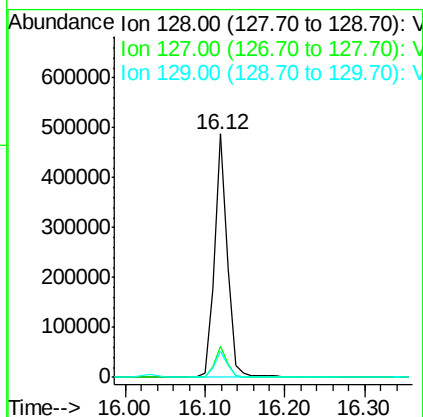
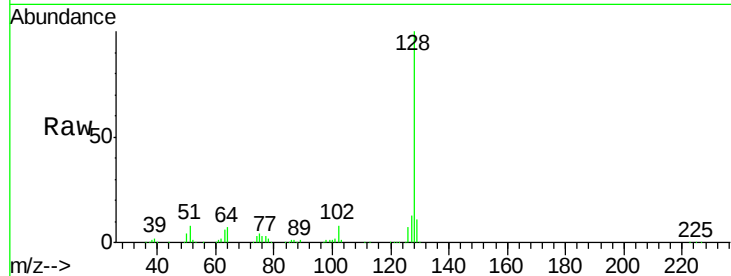
#95
Naphthalene
Concen: 39.458 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	556217		
127	12.6		9.7	14.5
129	10.9		9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 29.364 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211133		
182	96.3		47.9	143.8
145	29.6		12.9	38.7

