

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061644.D
 Acq On : 6 Apr 2019 15:39
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:57:31 AM

Quant Time: Apr 08 07:30:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	733293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1180789	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1007446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	417646	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	274394	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
35) Dibromofluoromethane	6.92	113	415057	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
50) Toluene-d8	10.40	98	954287	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	13.55	95	386281	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	395927	51.457	ug/l	100
3) Chloromethane	1.75	50	310873	50.070	ug/l	100
4) Vinyl Chloride	1.85	62	290150	48.650	ug/l	100
5) Bromomethane	2.16	94	67657	50.625	ug/l	100
6) Chloroethane	2.27	64	107108	57.157	ug/l	100
7) Trichlorofluoromethane	2.53	101	432986	49.328	ug/l	100
8) Diethyl Ether	2.86	74	127723	50.240	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	440581	50.418	ug/l	100
10) Methyl Iodide	3.31	142	669750	59.548	ug/l	100
11) Tert butyl alcohol	4.05	59	95966	257.150	ug/l	100
12) 1,1-Dichloroethene	3.13	96	388240	51.228	ug/l	100
13) Acrolein	3.03	56	93429	208.421	ug/l	100
14) Allyl chloride	3.62	41	545402	51.808	ug/l	100
15) Acrylonitrile	4.19	53	335637	272.944	ug/l	100
16) Acetone	3.22	43	449120	278.596	ug/l	100
17) Carbon Disulfide	3.38	76	1302784	52.871	ug/l	100
18) Methyl Acetate	3.63	43	153847	49.100	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	687794	52.962	ug/l	100
20) Methylene Chloride	3.81	84	425096	46.157	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	441338	54.001	ug/l	100
22) Diisopropyl ether	5.12	45	1063940	49.277	ug/l	100
23) Vinyl Acetate	5.05	43	3185952	266.951	ug/l	100
24) 1,1-Dichloroethane	4.98	63	673923	50.648	ug/l	100
25) 2-Butanone	6.06	43	496360	263.462	ug/l	100
26) 2,2-Dichloropropane	6.02	77	555291	51.366	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	456698	52.435	ug/l	100
28) Bromochloromethane	6.44	49	260833	54.891	ug/l	100
29) Tetrahydrofuran	6.45	42	230437	255.399	ug/l	100
30) Chloroform	6.66	83	700300	50.572	ug/l	100
31) Cyclohexane	6.95	56	544617	53.380	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	616320	50.672	ug/l	100
36) 1,1-Dichloropropene	7.15	75	550690	52.163	ug/l	100
37) Ethyl Acetate	6.17	43	232835	53.127	ug/l	100
38) Carbon Tetrachloride	7.11	117	615988m	50.512	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	586771	53.315	ug/l	100
40) Benzene	7.45	78	1361629	53.306	ug/l	100
41) Methacrylonitrile	6.44	41	259514	52.539	ug/l	100
42) 1,2-Dichloroethane	7.57	62	428576	53.085	ug/l	100
43) Isopropyl Acetate	9.23	43	329854	52.374	ug/l	100
44) Trichloroethene	8.53	130	514262	52.849	ug/l	100
45) 1,2-Dichloropropane	8.94	63	330610	52.838	ug/l	100
46) Dibromomethane	9.06	93	231620	52.224	ug/l	100
47) Bromodichloromethane	9.37	83	501175	50.552	ug/l	100
48) Methyl methacrylate	9.11	41	185950	53.397	ug/l	100
49) 1,4-Dioxane	9.08	88	42013	1089.961	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	945947	255.077	ug/l	100
52) Toluene	10.50	92	828896	52.385	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	473398	54.069	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	585327	54.269	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	270546	51.858	ug/l	100
56) Ethyl methacrylate	11.03	69	297848	52.544	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414567	52.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	654486	254.850	ug/l	100
59) 2-Hexanone	11.53	43	738928	264.024	ug/l	100
60) Dibromochloromethane	11.68	129	444421	53.518	ug/l	100
61) 1,2-Dibromoethane	11.80	107	333426	54.159	ug/l	100
64) Tetrachloroethene	11.25	164	371066	48.268	ug/l	100
65) Chlorobenzene	12.39	112	1023606	51.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	379503	48.049	ug/l	100
67) Ethyl Benzene	12.52	91	1423170	44.982	ug/l	100
68) m/p-Xylenes	12.67	106	1197898	102.505	ug/l	100
69) o-Xylene	13.04	106	565302	50.018	ug/l	100
70) Styrene	13.07	104	914611	47.257	ug/l	100
71) Bromoform	13.23	173	233239	49.484	ug/l	100
73) Isopropylbenzene	13.40	105	1421989	50.588	ug/l	100
74) N-amyl acetate	13.26	43	430427	56.657	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	311324	55.388	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	316892	56.544	ug/l	100
77) Bromobenzene	13.66	156	445240	54.065	ug/l	100
78) n-propylbenzene	13.77	91	1669732	50.499	ug/l	100
79) 2-Chlorotoluene	13.84	91	1069856	56.584	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1167567	52.925	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94356	54.397	ug/l	100
82) 4-Chlorotoluene	13.95	91	1095513	53.028	ug/l	100
83) tert-Butylbenzene	14.18	119	1502486	56.927	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1183504	52.206	ug/l	100
85) sec-Butylbenzene	14.36	105	1568443	55.638	ug/l	100
86) p-Isopropyltoluene	14.49	119	1362517	52.391	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	736221	52.493	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	741406	53.370	ug/l	100
89) n-Butylbenzene	14.80	91	1153803	51.678	ug/l	100
90) Hexachloroethane	15.00	117	367467	54.740	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	611294	53.151	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40026	56.917	ug/l	100

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VSTDICCC050

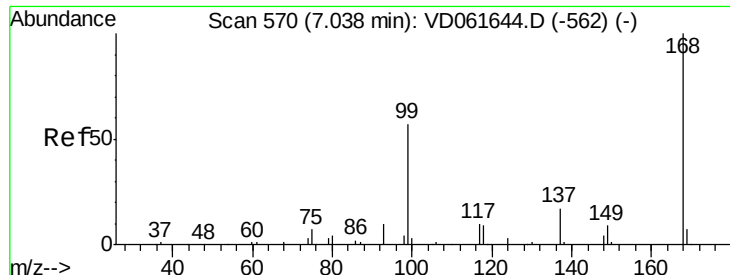
Manual Integrations
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QLast Update : Mon Apr 08 07:00:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	332364	57.123	ug/l	100
94) Hexachlorobutadiene	16.04	225	272907	60.956	ug/l	100
95) Naphthalene	16.12	128	534067	58.201	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	181057	62.847	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 733293

Ion Ratio Lower Upper

168 100

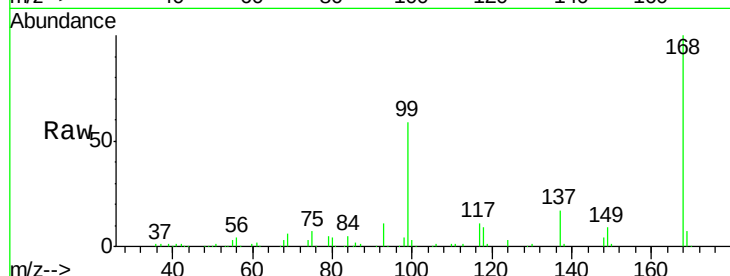
99 58.5 46.8 70.2

Manual Integrations

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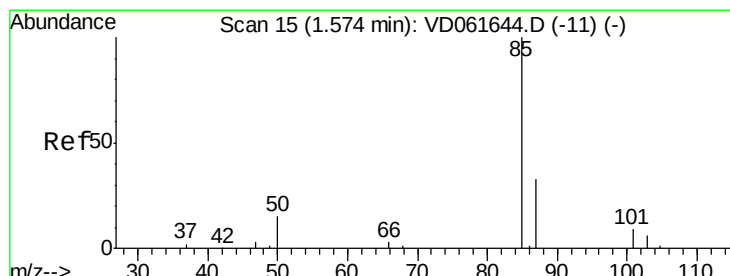
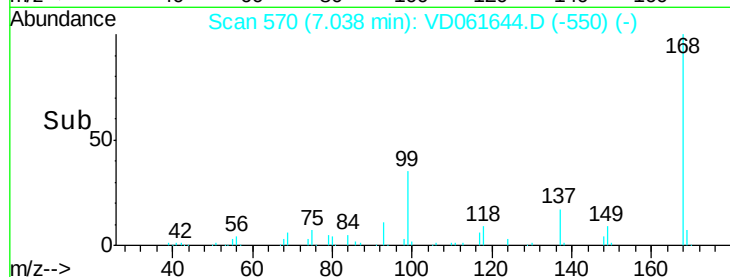
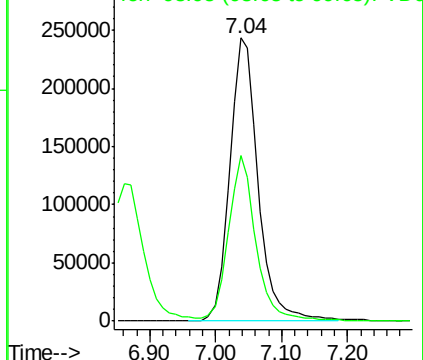
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.457 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061644.D

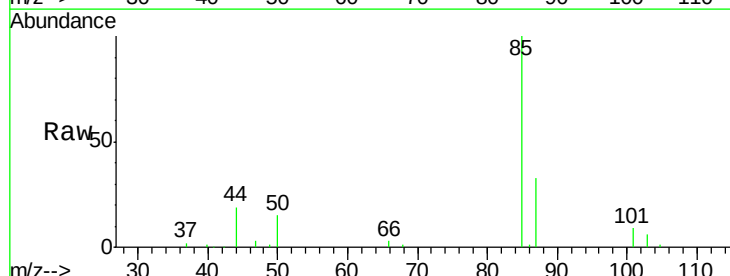
Acq: 6 Apr 2019 15:39

Tgt Ion: 85 Resp: 395927

Ion Ratio Lower Upper

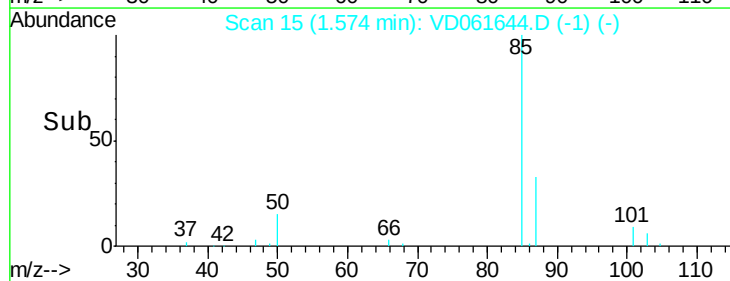
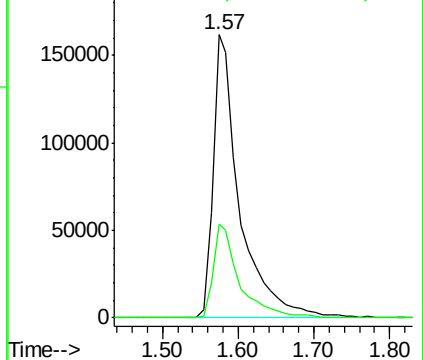
85 100

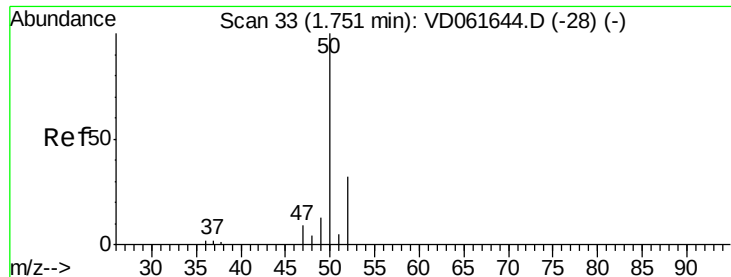
87 33.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.070 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tot Ion: 50 Resp: 310873

Ion Ratio Lower Upper

50 100

52 31.4 25.1 37.7

Instrument :

MSVOA_D

ClientSampled :

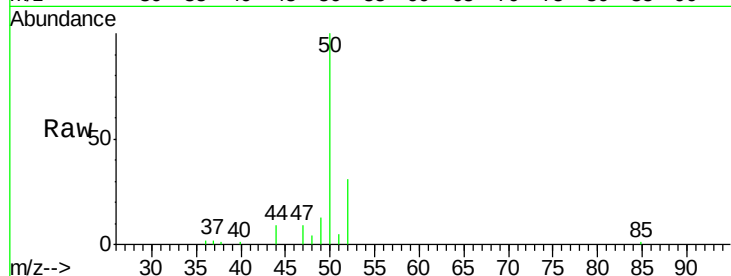
VSTDICCC050

Manual Integrations

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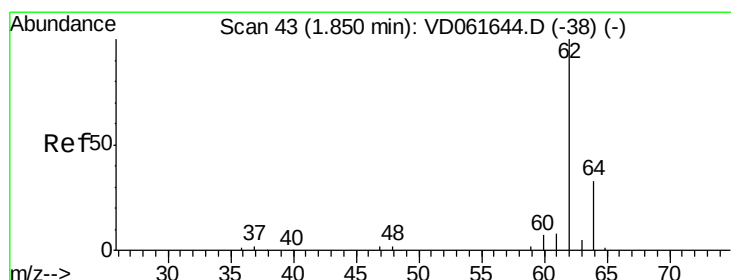
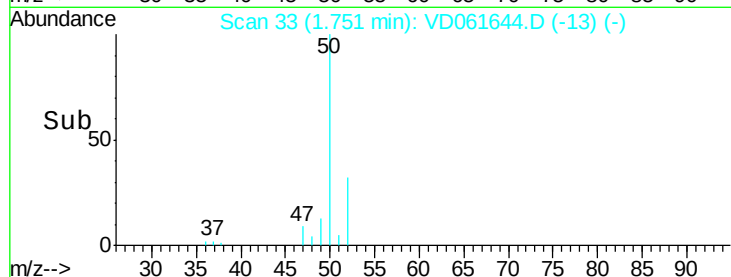
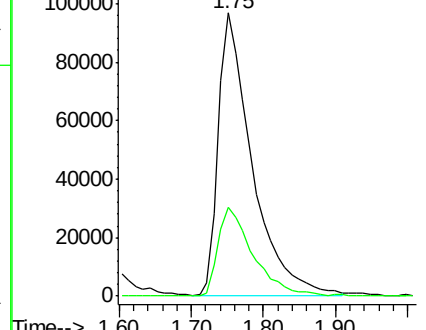
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.650 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061644.D

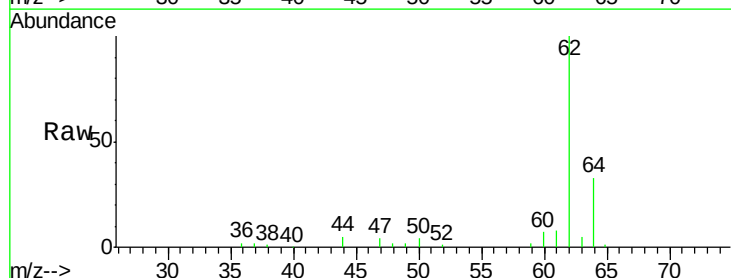
Acq: 6 Apr 2019 15:39

Tgt Ion: 62 Resp: 290150

Ion Ratio Lower Upper

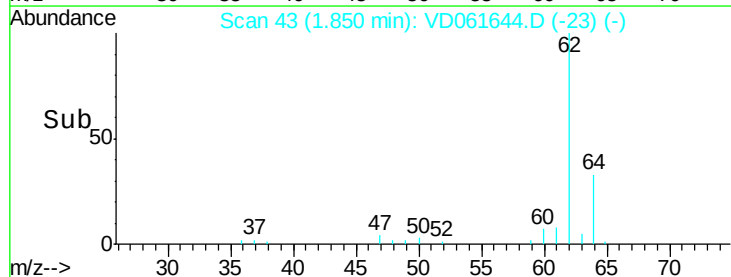
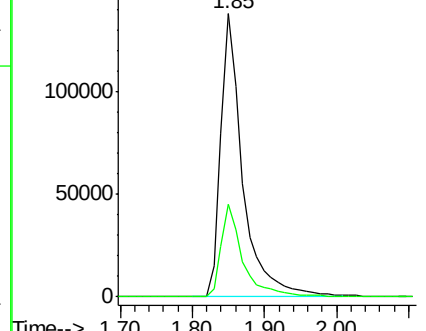
62 100

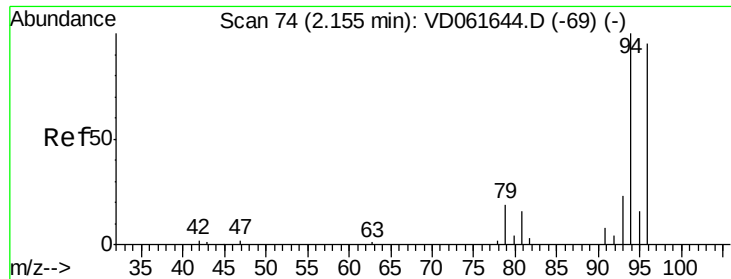
64 32.7 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.625 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

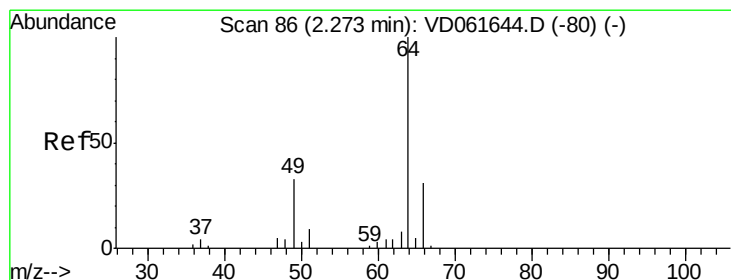
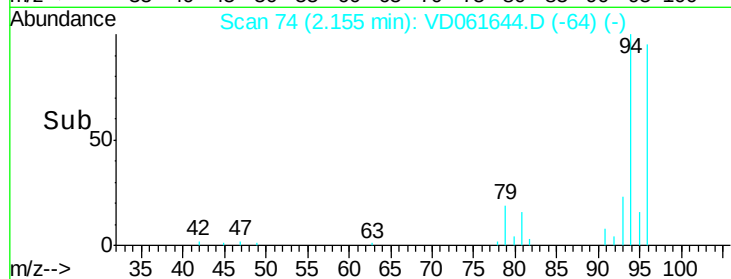
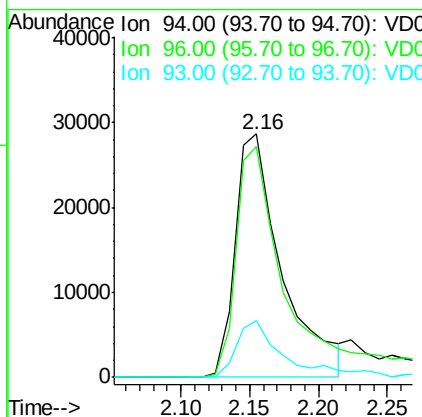
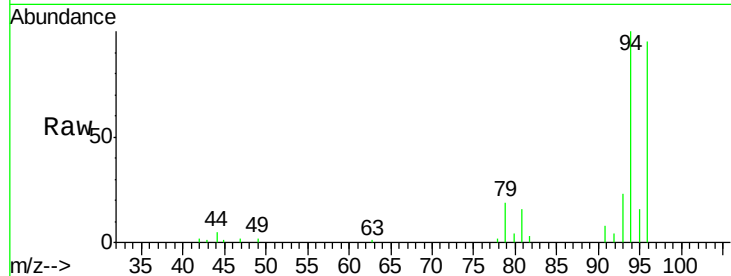
ClientSampleId :

VSTDICCC050

Tot Ion:	94	Resp:	67657
Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.8	113.8
93	23.3	18.6	28.0

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#6

Chloroethane

Concen: 57.157 ug/l

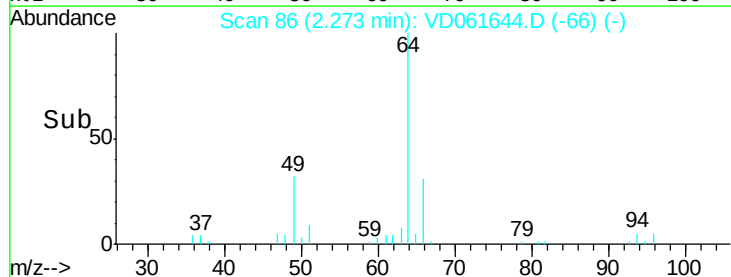
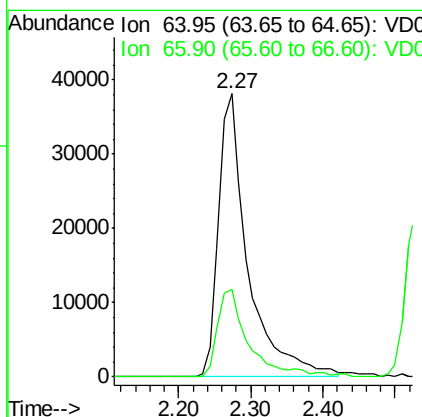
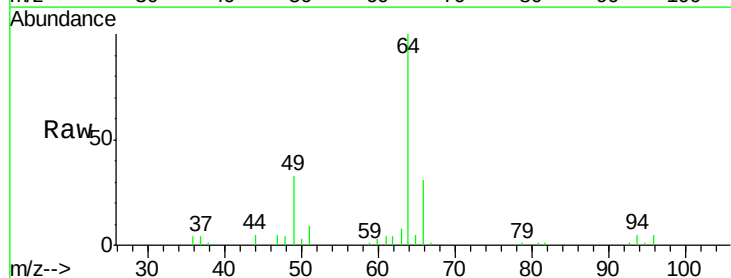
RT: 2.27 min Scan# 86

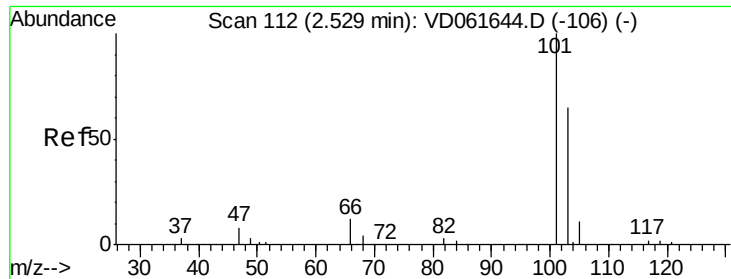
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion:	64	Resp:	107108
Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.9	37.3





#7

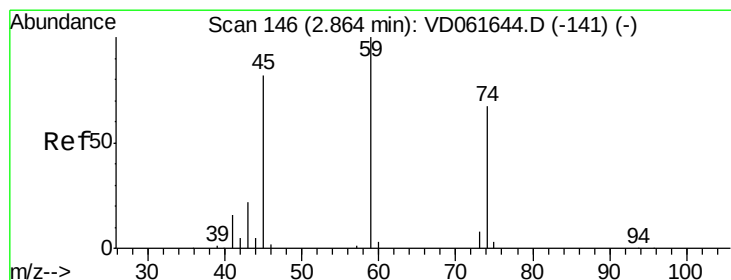
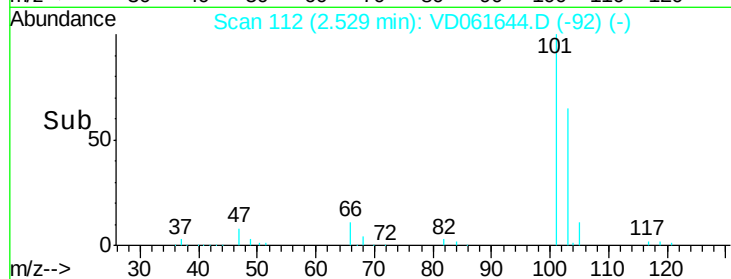
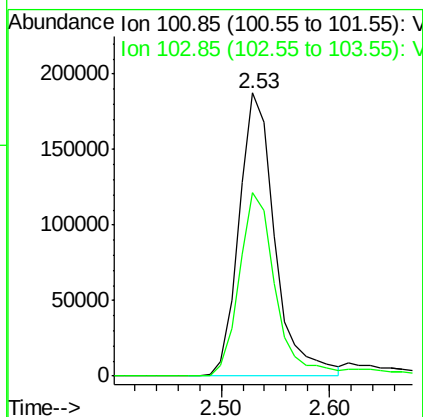
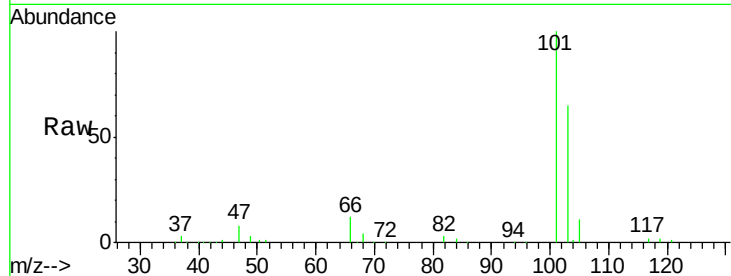
Trichlorofluoromethane
Concen: 49.328 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 432986
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

Manual Integrations
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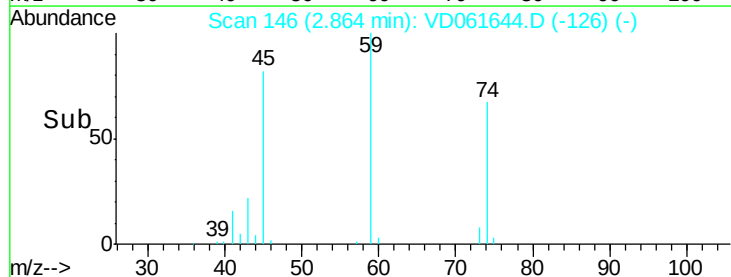
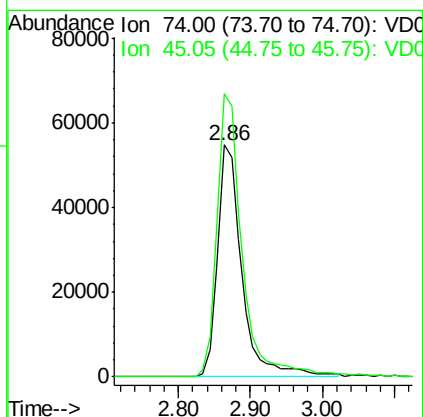
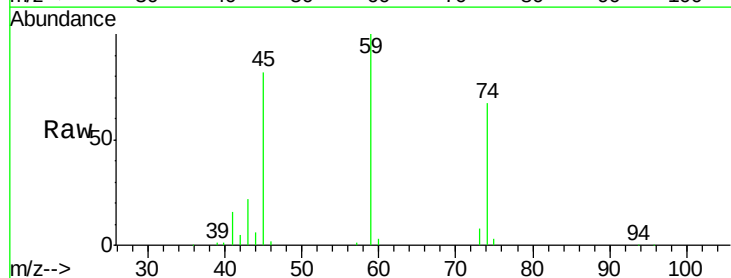
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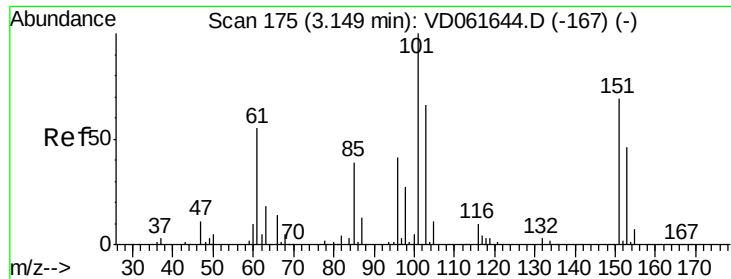


#8

Diethyl Ether
Concen: 50.240 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 74 Resp: 127723
Ion Ratio Lower Upper
74 100
45 122.0 61.0 183.0





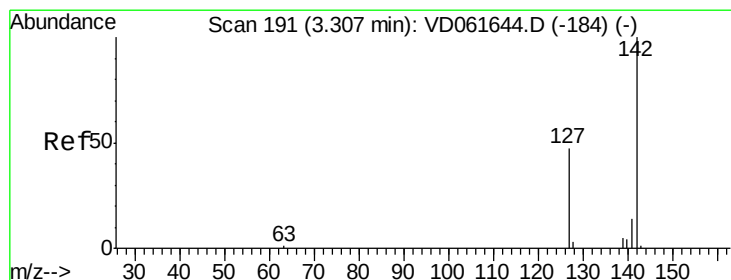
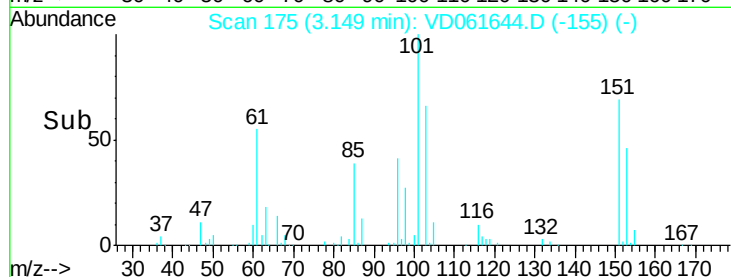
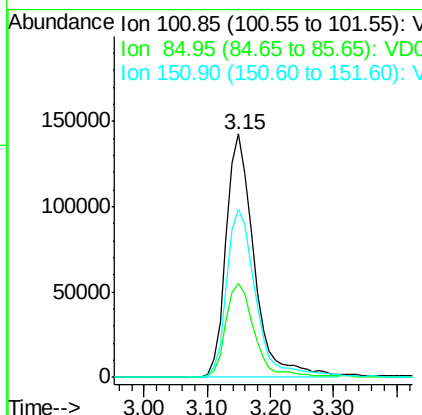
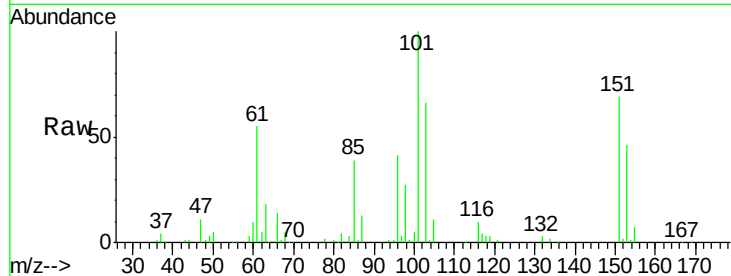
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.418 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	440581		
85	38.8	31.0	46.6	
151	69.1	55.3	82.9	

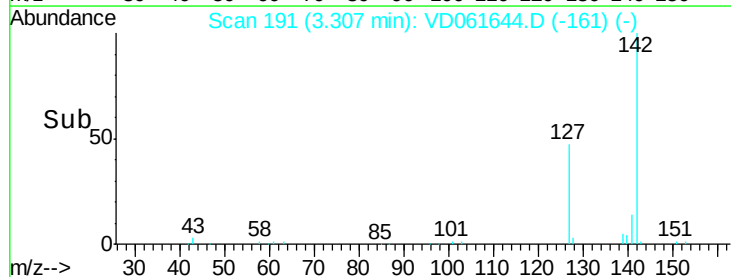
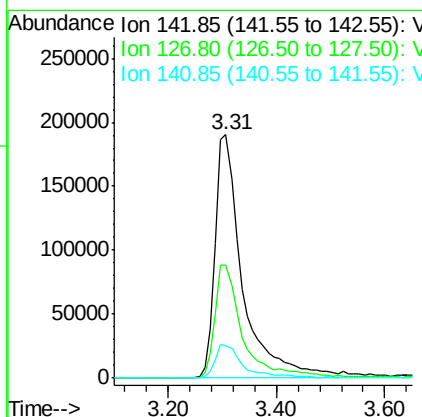
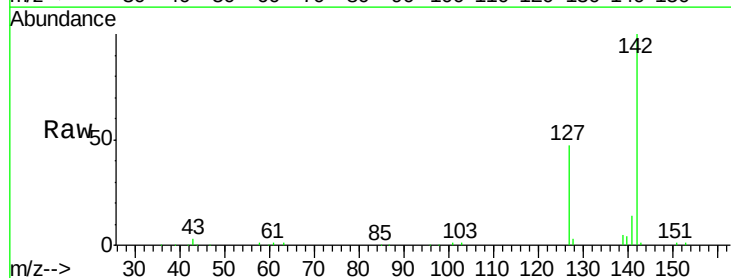
Manual Integrations
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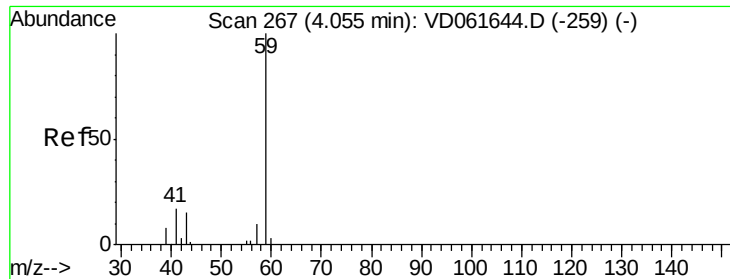
MMDadoda
 4/11/2019 2:57:31 AM



#10
 Methyl Iodide
 Concen: 59.548 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	669750		
127	46.5	37.2	55.8	
141	13.5	10.8	16.2	





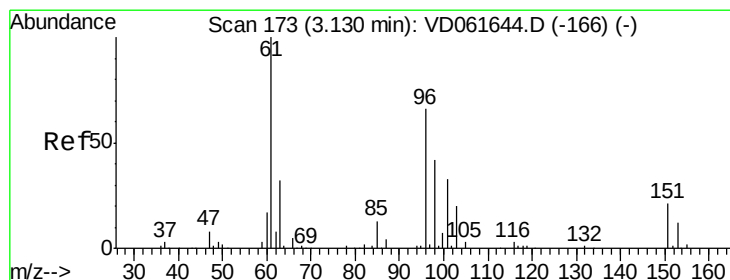
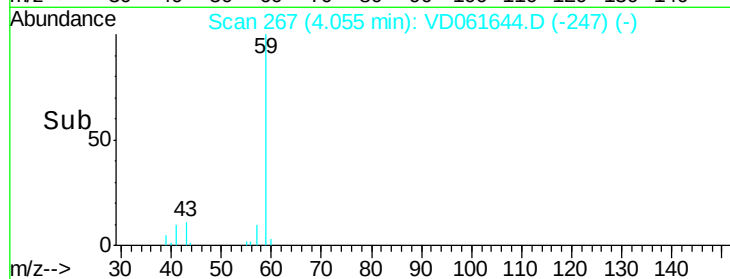
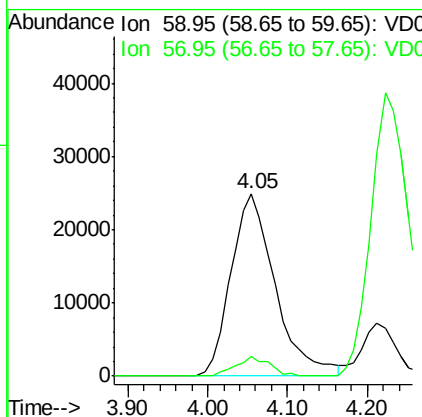
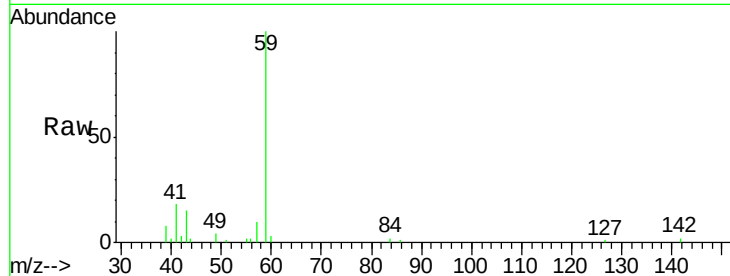
#11
Tert butyl alcohol
Concen: 257.150 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 95966
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

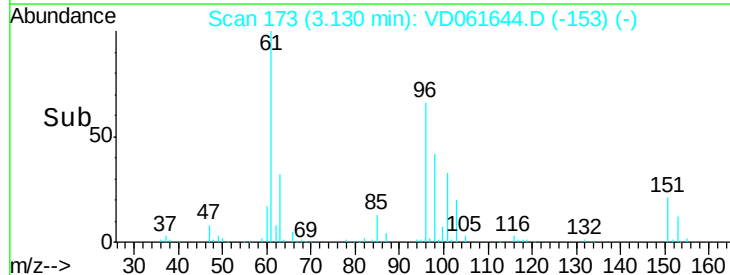
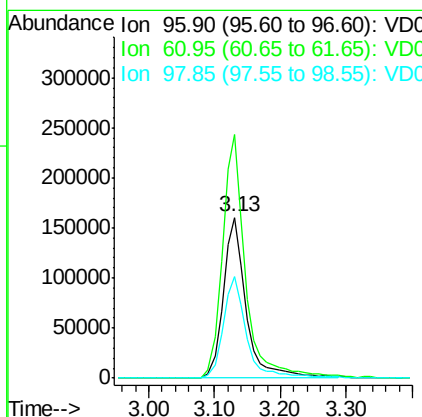
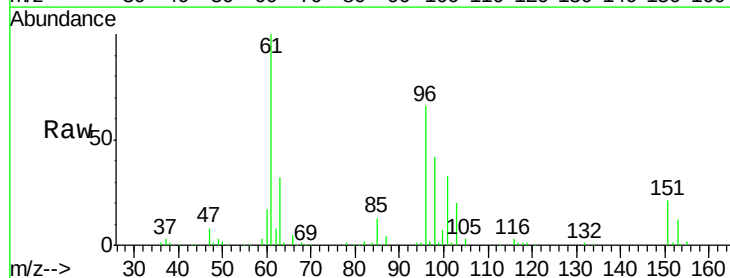
Manual Integrations
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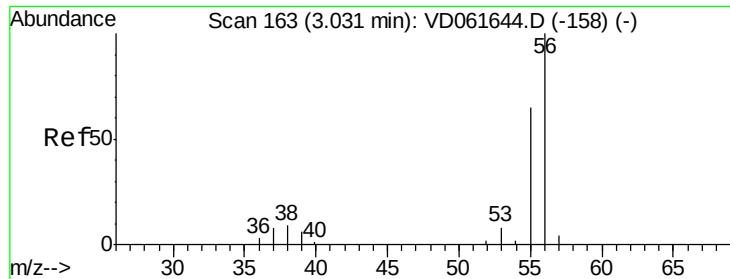
MMDadoda
4/11/2019 2:57:31 AM



#12
1,1-Dichloroethene
Concen: 51.228 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 96 Resp: 388240
Ion Ratio Lower Upper
96 100
61 151.6 121.3 181.9
98 63.3 50.6 76.0





#13

Acrolein

Concen: 208.421 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 93429

Ion Ratio Lower Upper

56 100

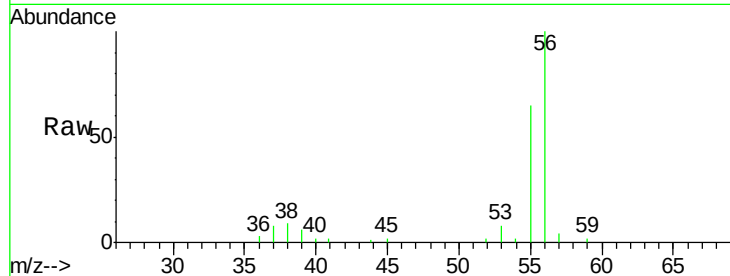
55 64.7 51.8 77.6

Manual Integrations

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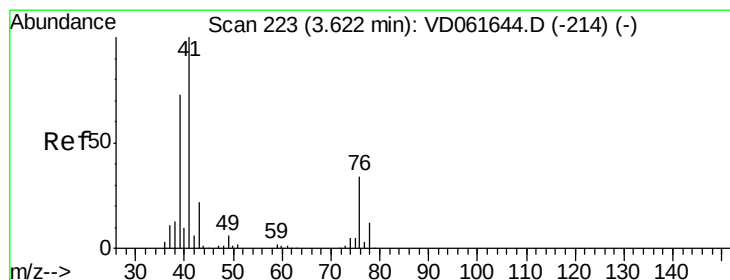
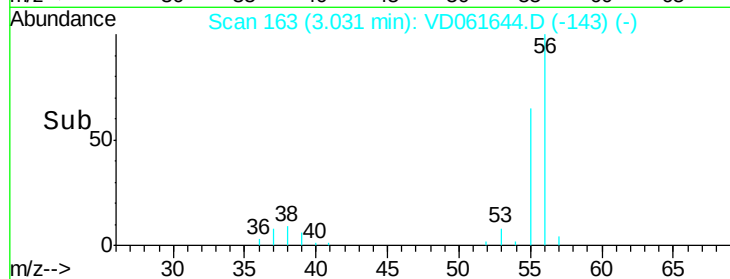
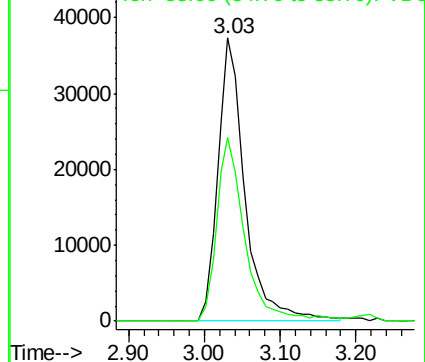
MMDadoda

4/11/2019 2:57:31 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.808 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

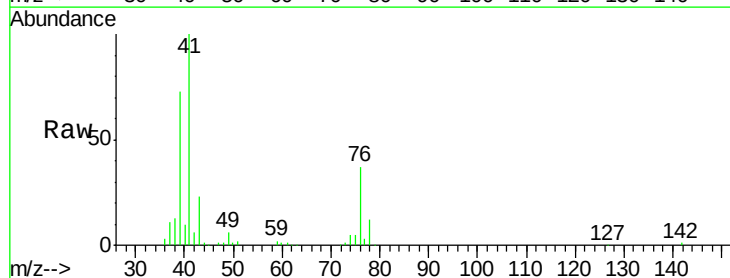
Tgt Ion: 41 Resp: 545402

Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

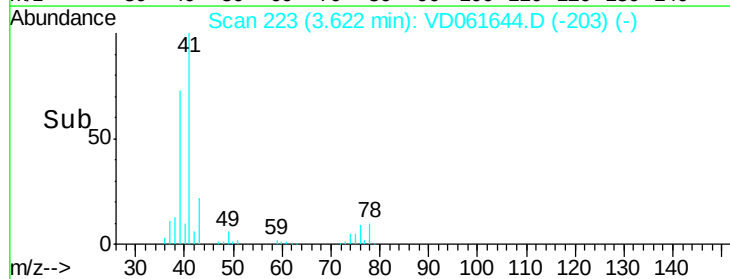
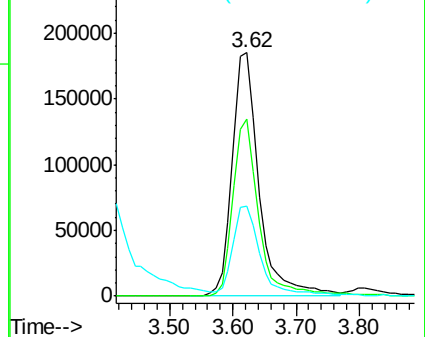
76 37.2 29.8 44.6

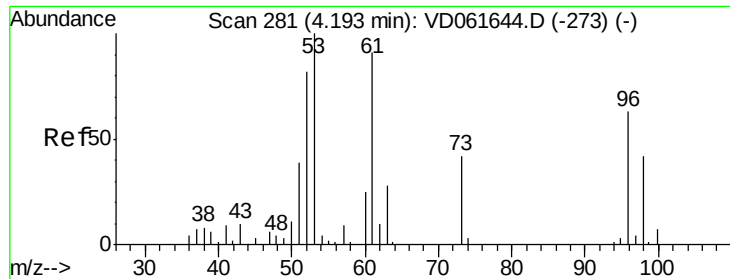


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





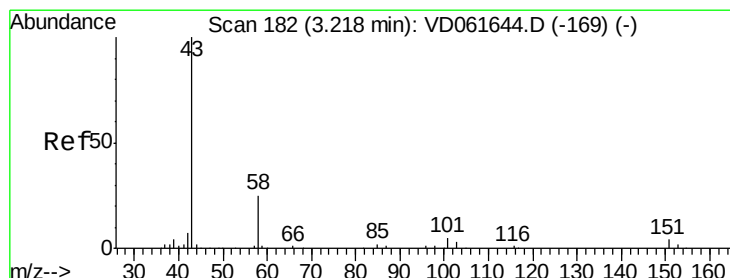
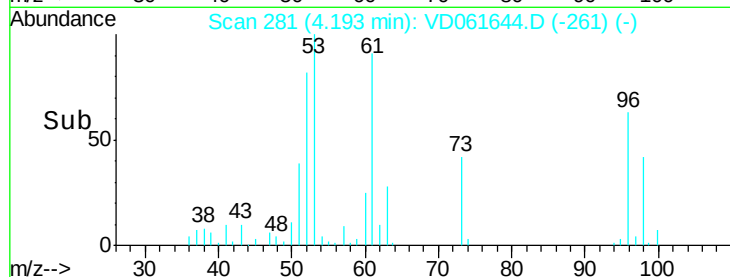
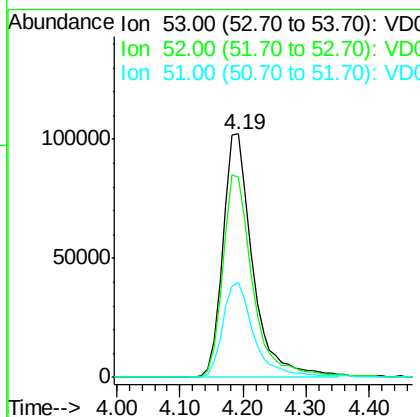
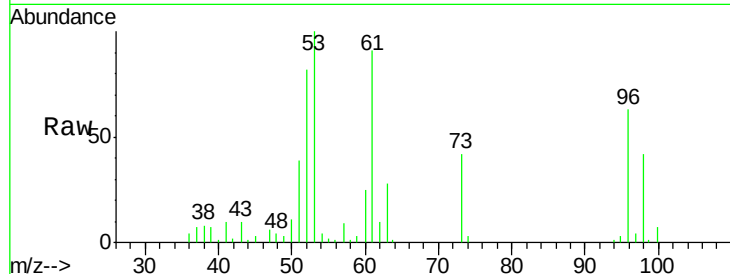
#15
 Acrylonitrile
 Concen: 272.944 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
53	100			
52	82.4	65.9	98.9	
51	39.3	31.4	47.2	

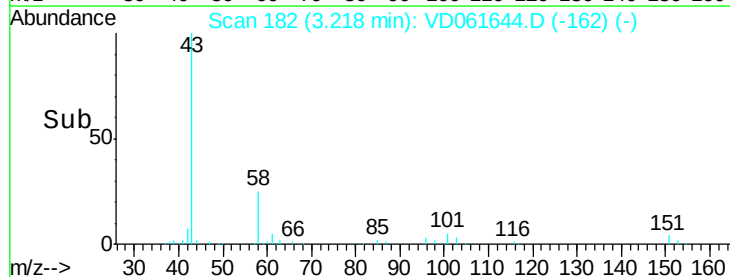
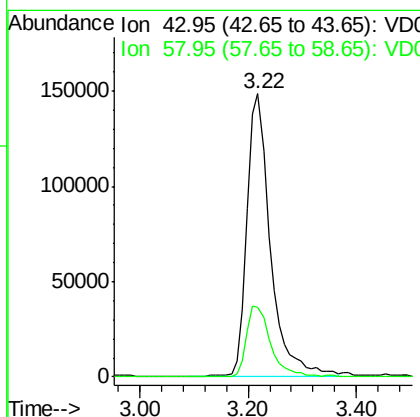
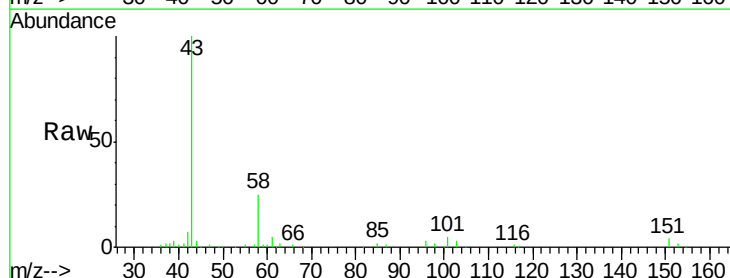
Manual Integrations
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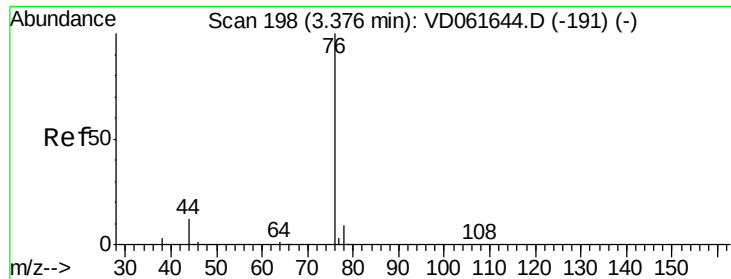
MMDadoda
 4/11/2019 2:57:31 AM



#16
 Acetone
 Concen: 278.596 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
58	24.6	19.7	29.5	





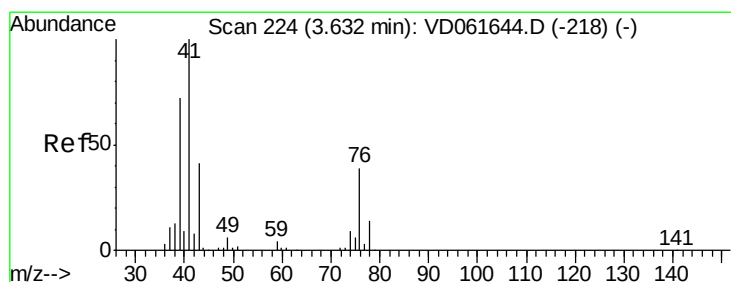
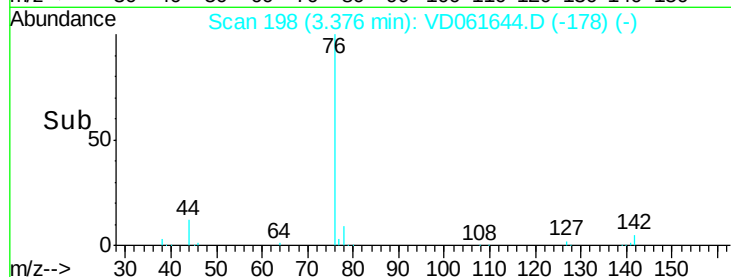
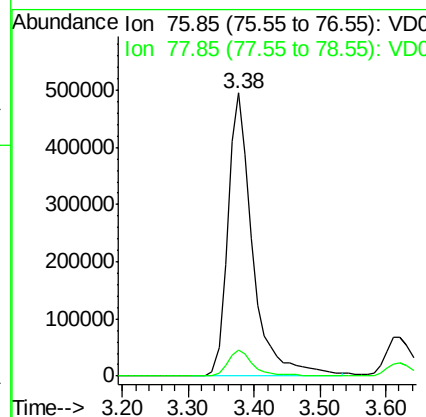
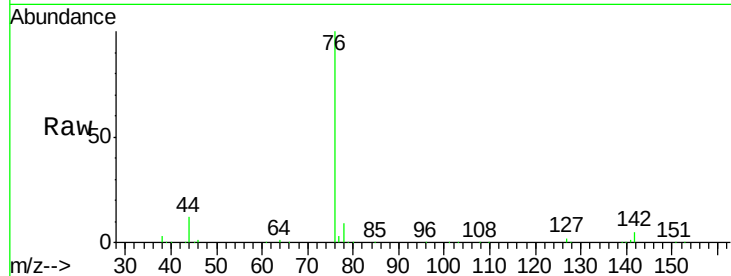
#17
Carbon Disulfide
Concen: 52.871 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1302784
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

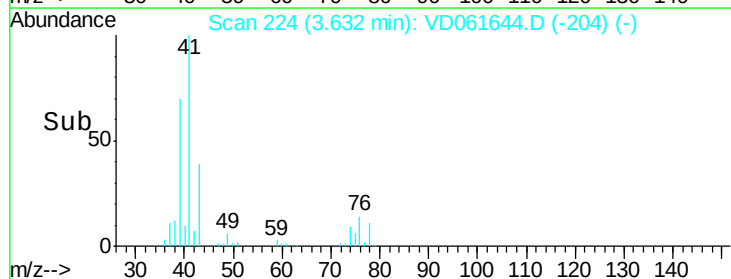
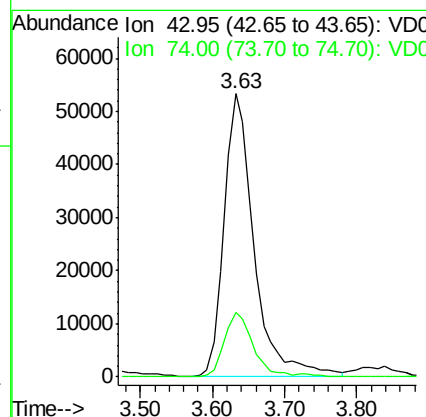
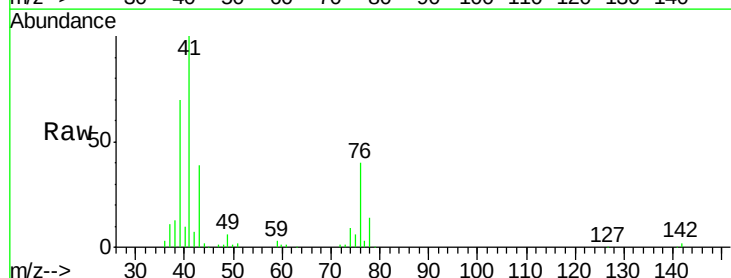
Manual Integrations
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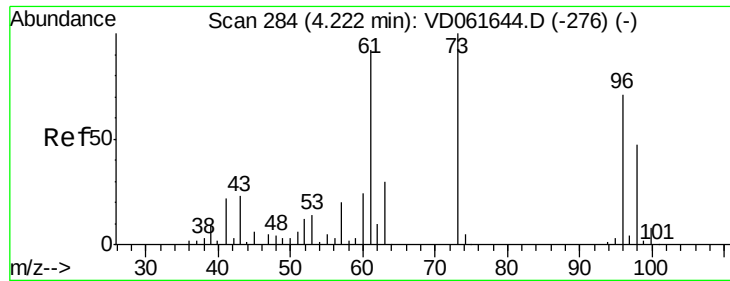
MMDadoda
4/11/2019 2:57:31 AM



#18
Methyl Acetate
Concen: 49.100 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 43 Resp: 153847
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2





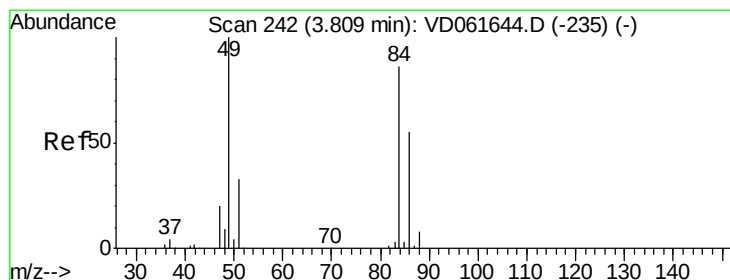
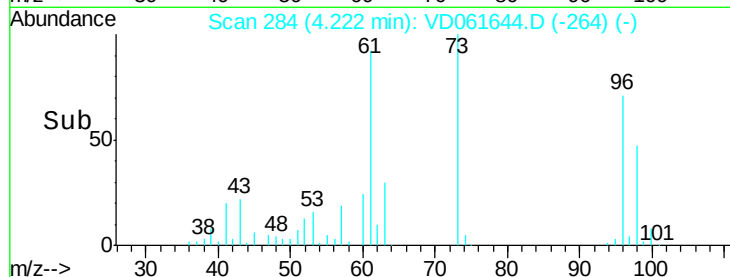
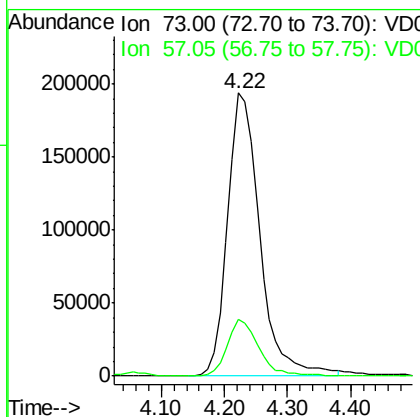
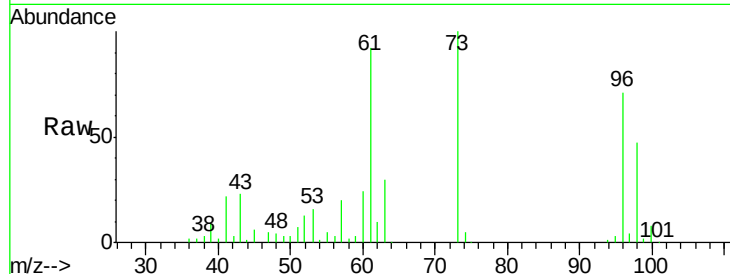
#19
Methyl tert-butyl Ether
Concen: 52.962 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 687794
Ion Ratio Lower Upper
73 100
57 20.0 16.0 24.0

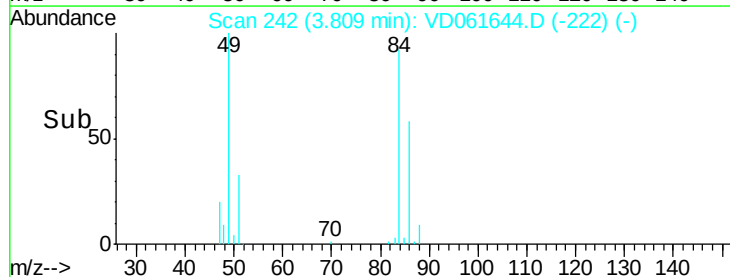
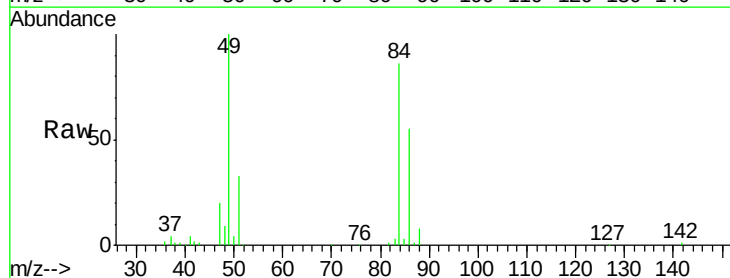
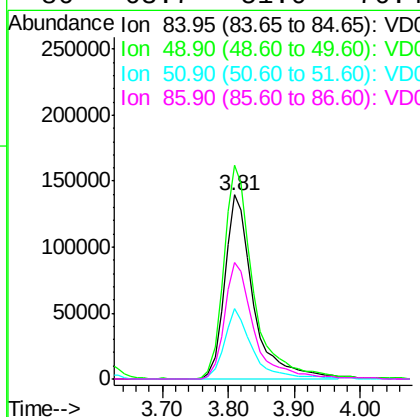
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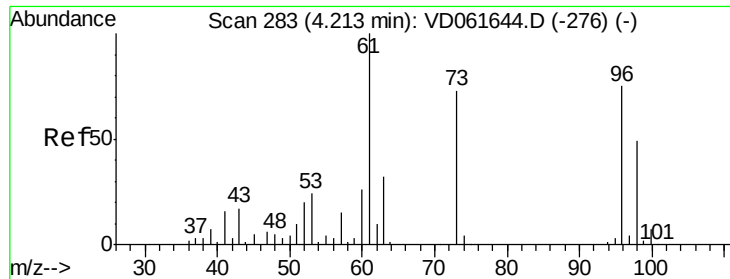
MMDadoda
4/11/2019 2:57:31 AM



#20
Methylene Chloride
Concen: 46.157 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 84 Resp: 425096
Ion Ratio Lower Upper
84 100
49 116.2 93.0 139.4
51 38.0 30.4 45.6
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 54.001 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 441338

Ion Ratio Lower Upper

96 100

61 133.5 106.8 160.2

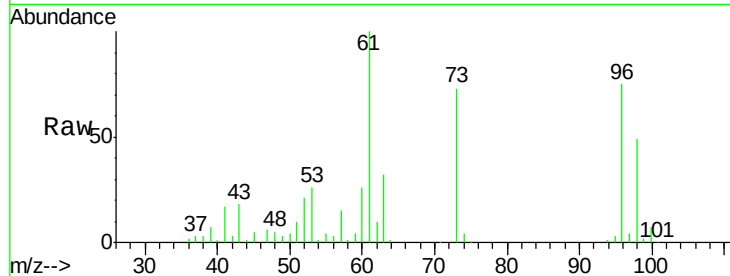
98 65.2 52.2 78.2

Manual Integrations

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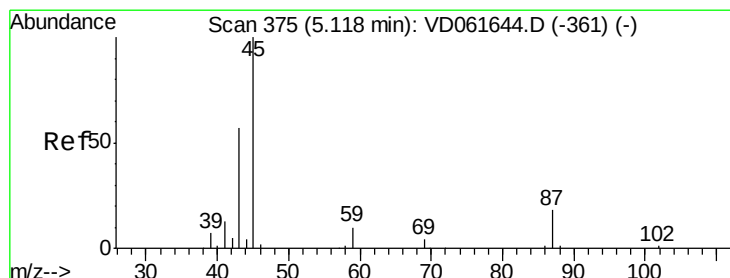
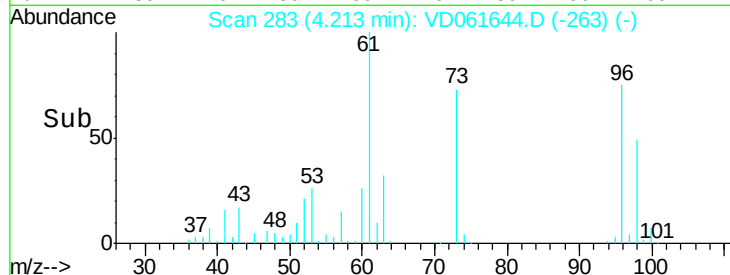
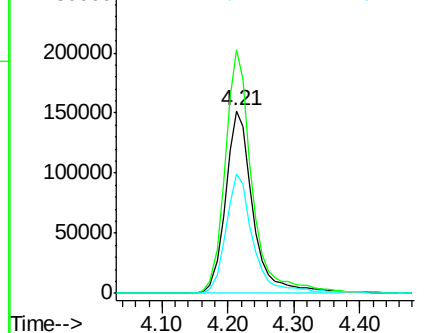
4/11/2019 2:57:31 AM



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: 49.277 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 45 Resp: 1063940

Ion Ratio Lower Upper

45 100

43 58.3 46.6 70.0

87 19.5 15.6 23.4

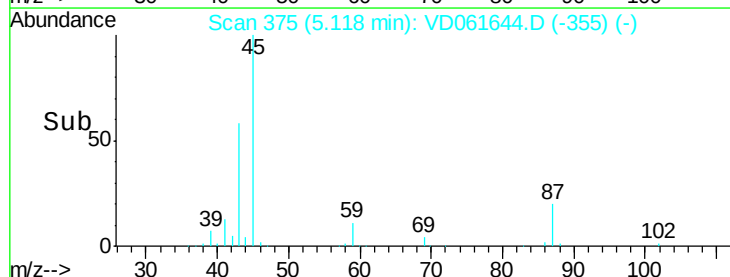
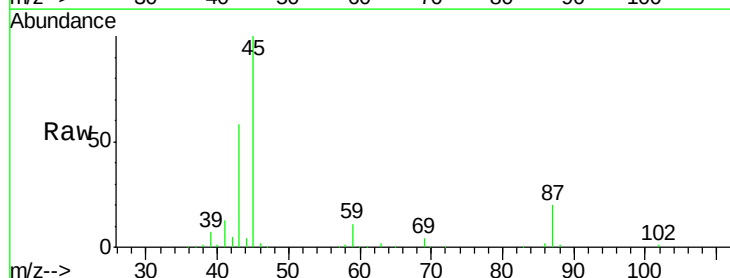
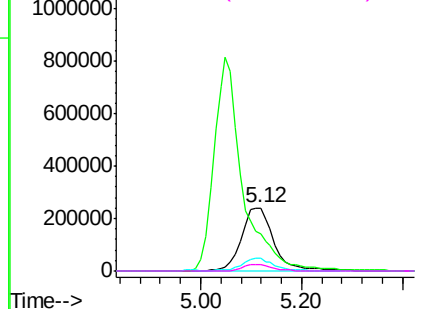
59 10.8 8.6 13.0

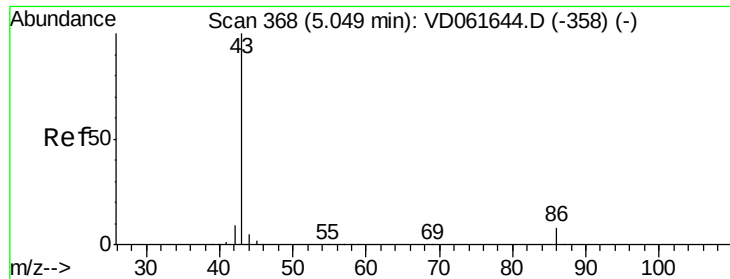
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.951 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3185952

Ion Ratio Lower Upper

43 100

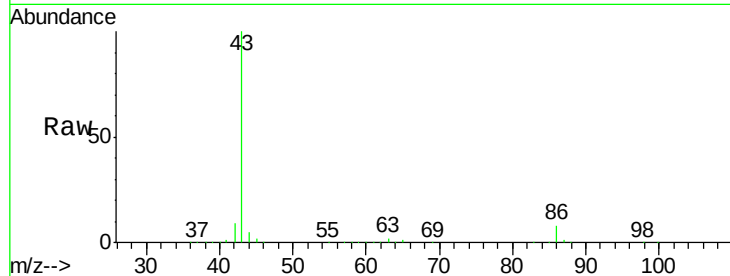
86 8.0 6.4 9.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

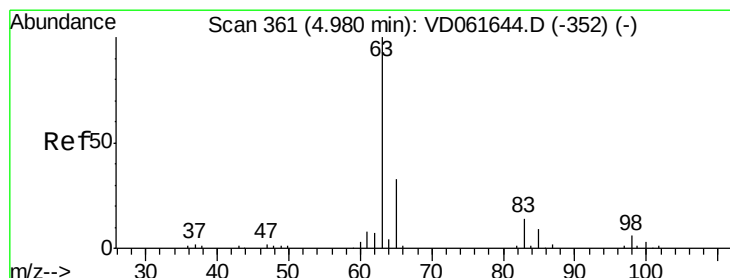
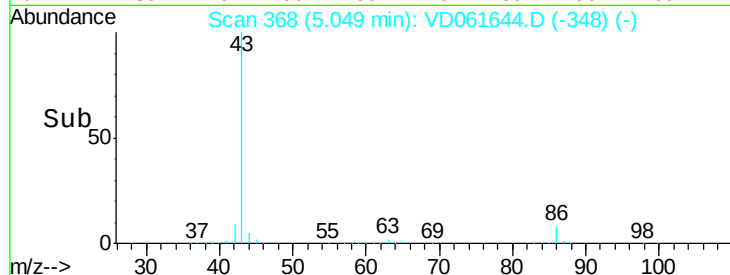
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.648 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

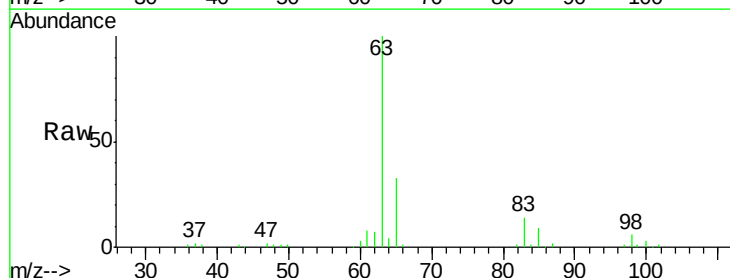
Tgt Ion: 63 Resp: 673923

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

250000

200000

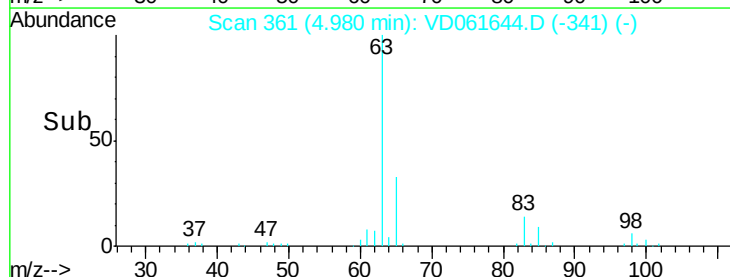
150000

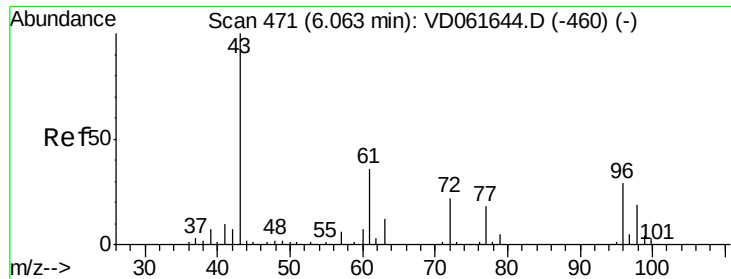
100000

50000

0

Time-->





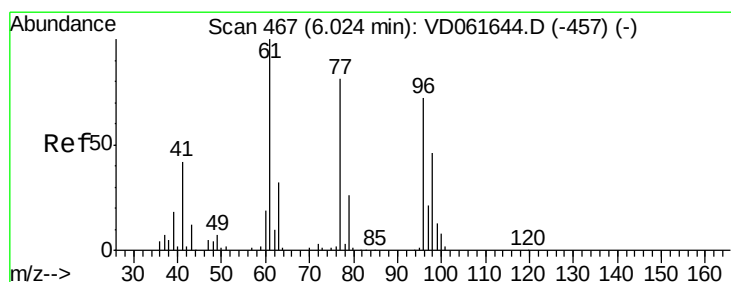
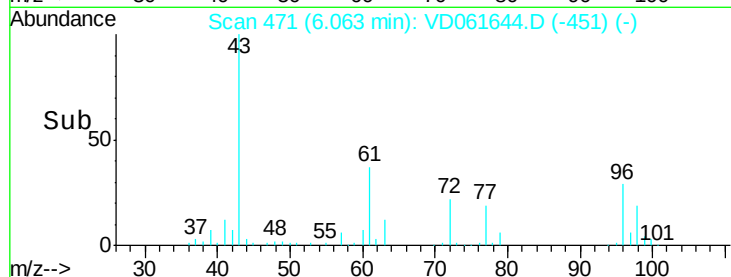
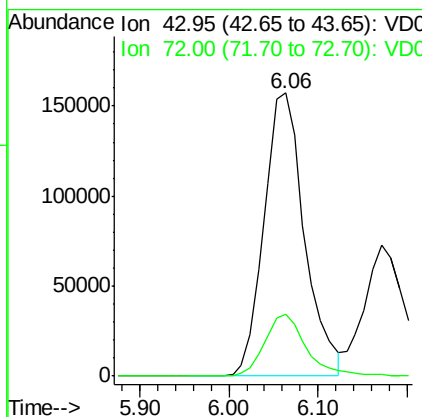
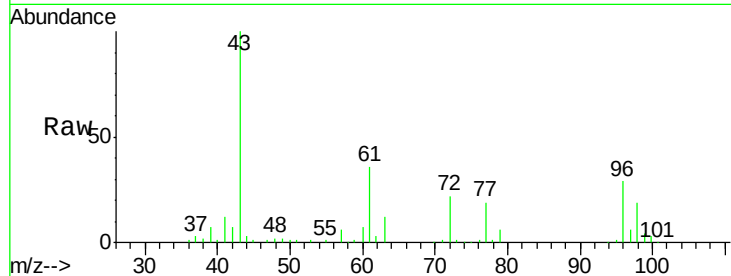
#25
2-Butanone
Concen: 263.462 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 496360
Ion Ratio Lower Upper
43 100
72 21.8 17.4 26.2

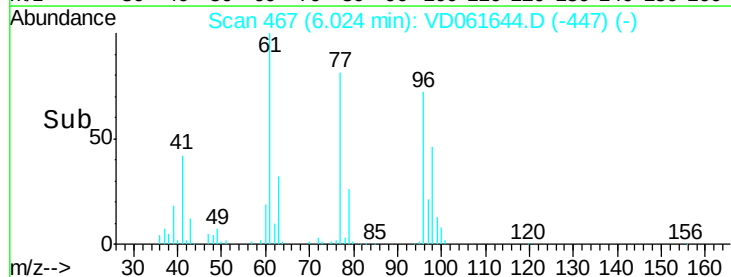
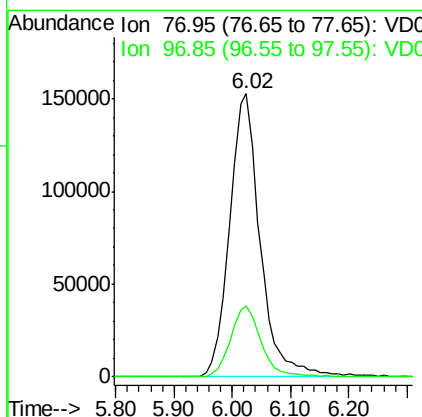
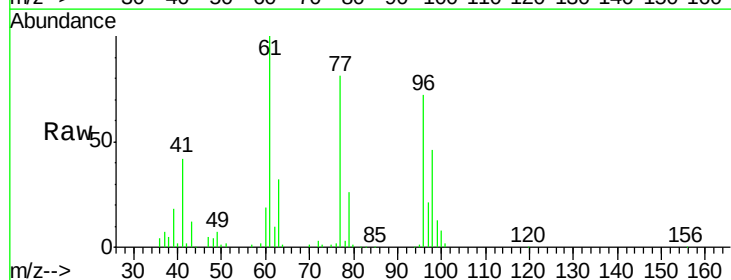
Manual Integrations
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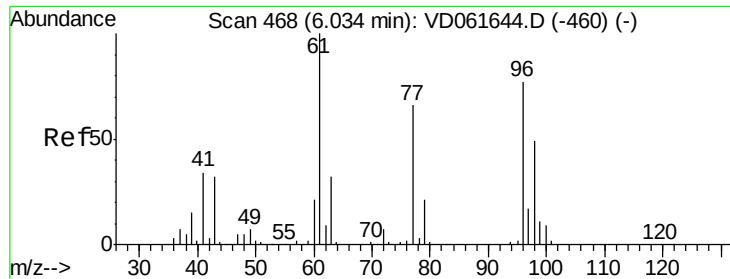
MMDadoda
4/11/2019 2:57:31 AM



#26
2,2-Dichloropropane
Concen: 51.366 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 77 Resp: 555291
Ion Ratio Lower Upper
77 100
97 25.3 12.7 38.0





#27

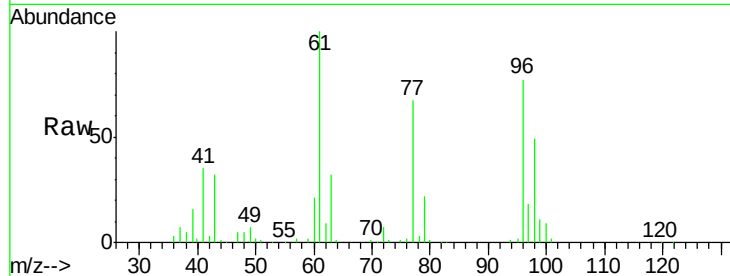
cis-1,2-Dichloroethene
Concen: 52.435 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	456698		
61	129.9	0.0	259.8	
98	63.8	0.0	127.6	

Manual Integrations
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MMDadoda
4/11/2019 2:57:31 AM

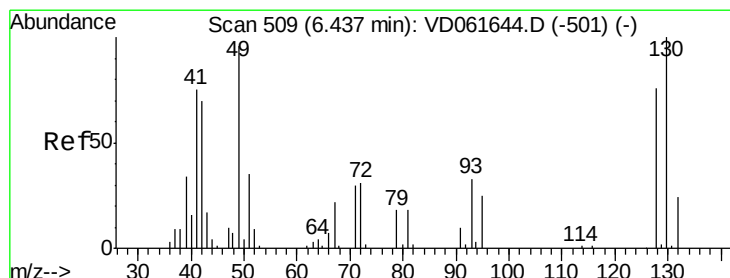
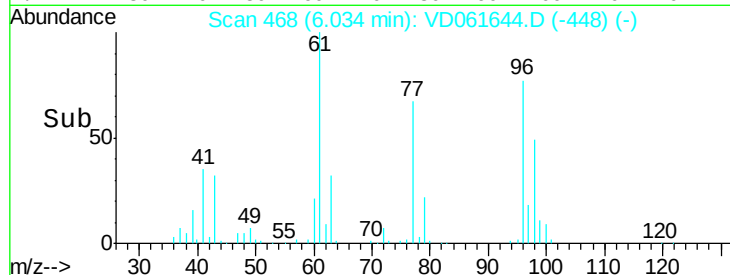
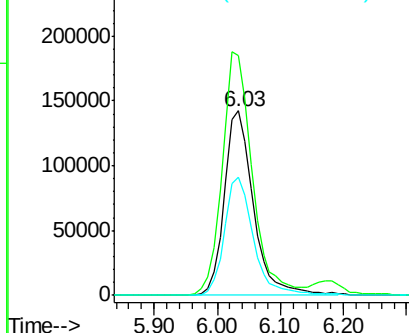


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

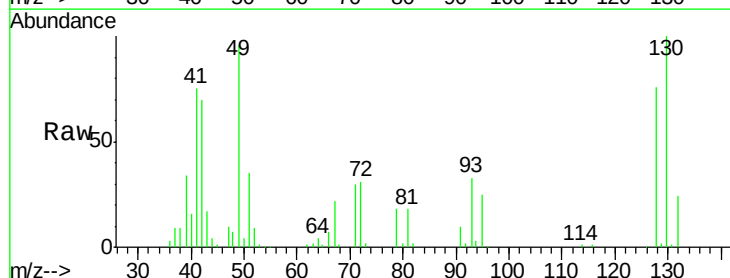
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 54.891 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	260833		
129	2.0	0.0	4.0	
130	104.1	83.3	124.9	

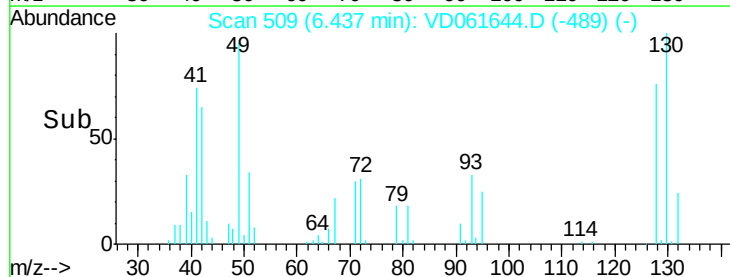
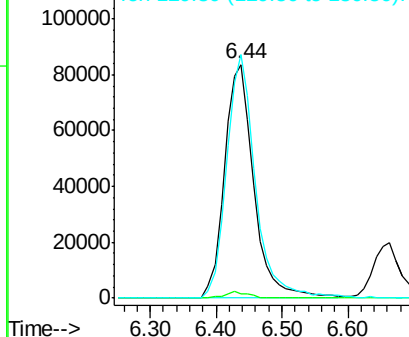


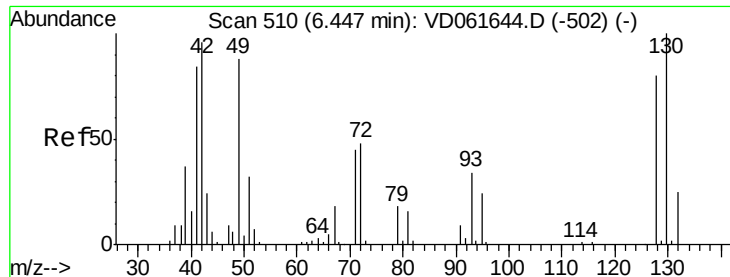
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





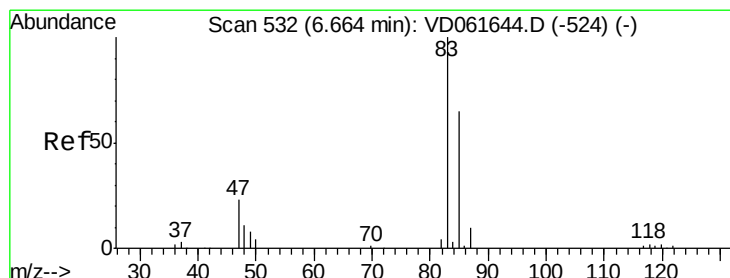
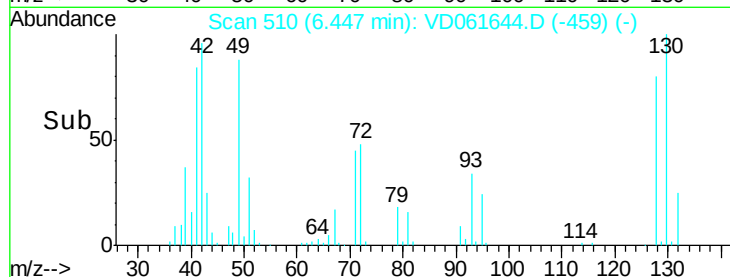
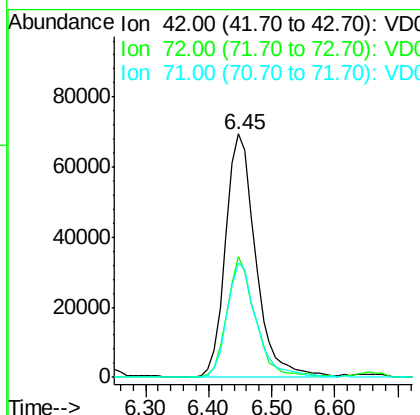
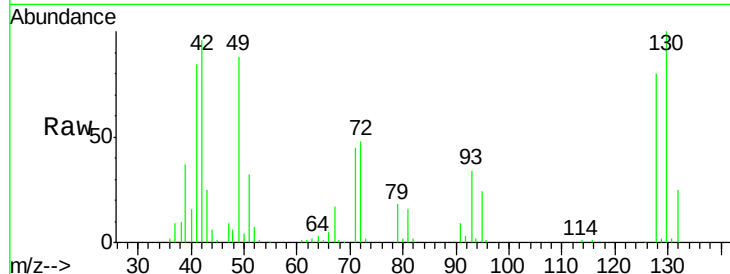
#29
Tetrahydrofuran
Concen: 255.399 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	45.6	36.5	54.7

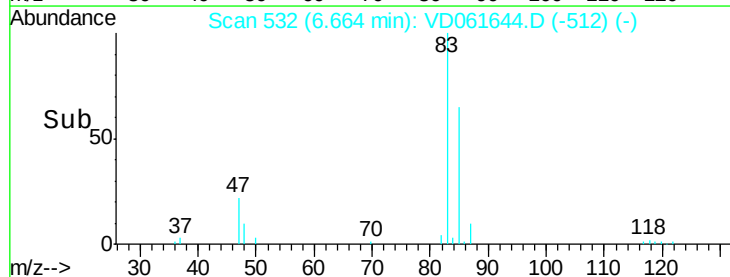
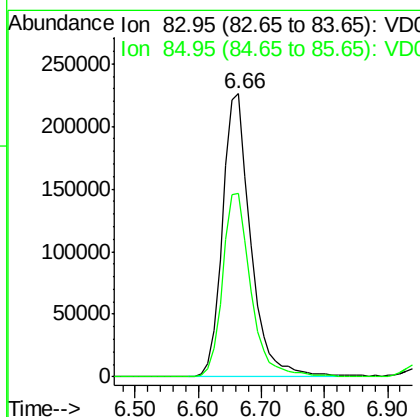
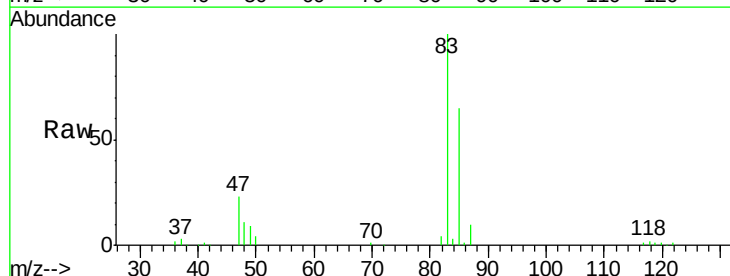
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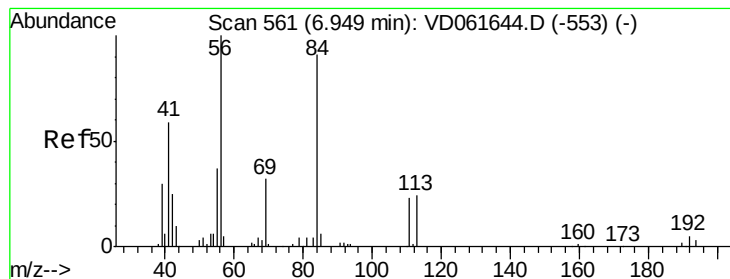
MMDadoda
4/11/2019 2:57:31 AM



#30
Chloroform
Concen: 50.572 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 53.380 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

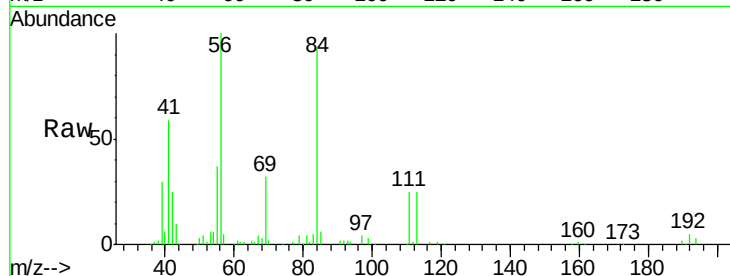
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	544617
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	92.7	74.2	111.2

Manual Integrations
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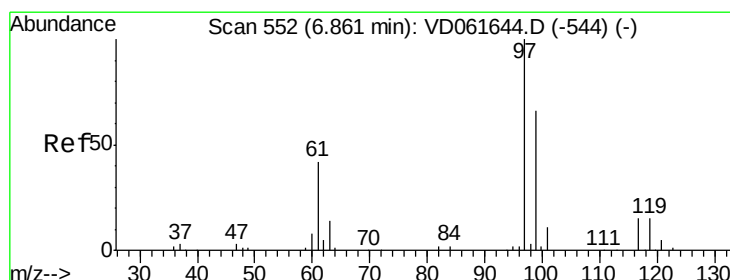
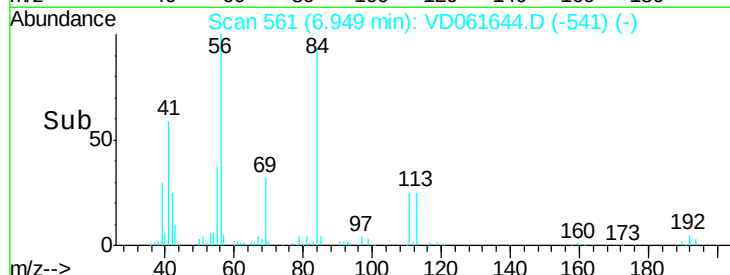
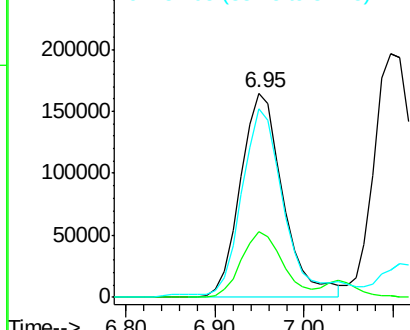


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.672 ug/l

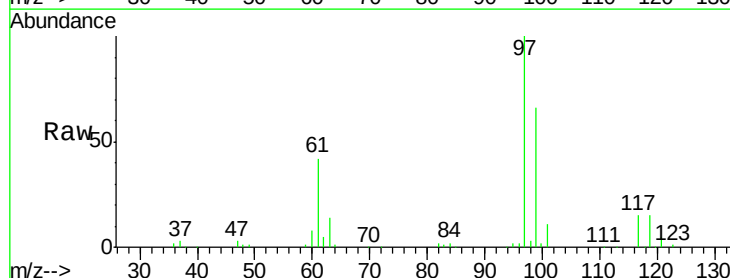
RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion:	97	Resp:	616320
Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.5	78.7
61	41.7	33.4	50.0

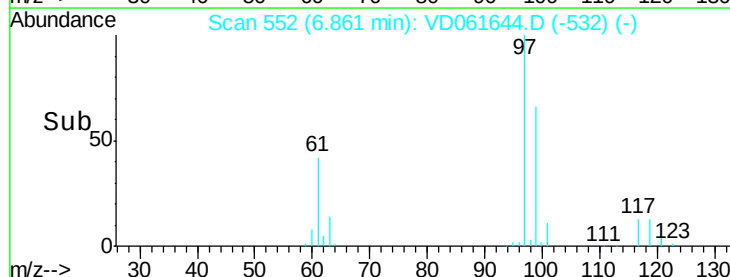
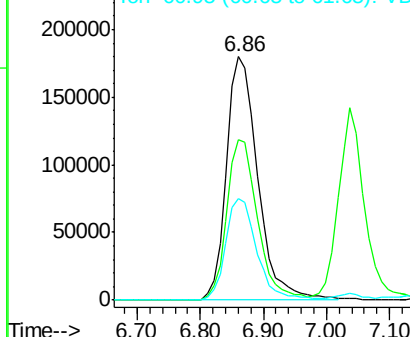


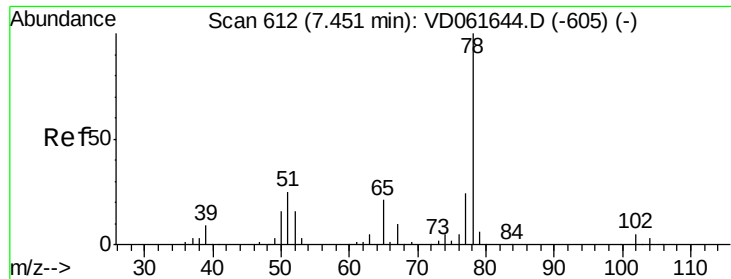
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





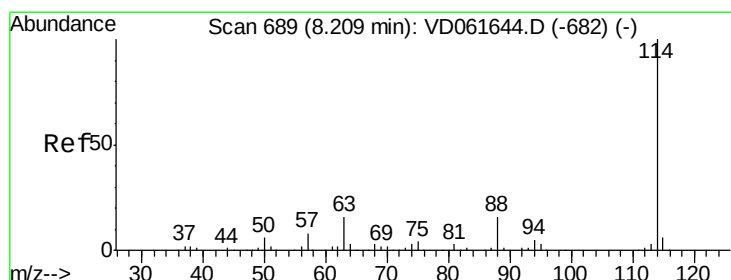
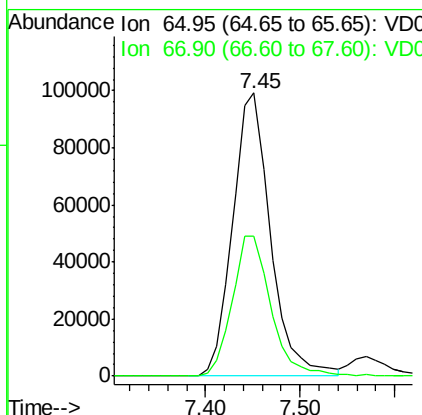
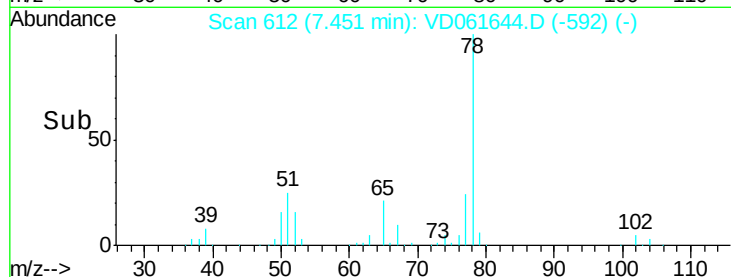
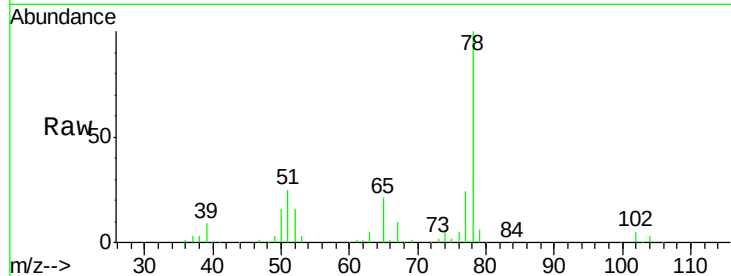
#33
 1,2-Dichloroethane-d4
 Concen: 50.672 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 274394
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.4

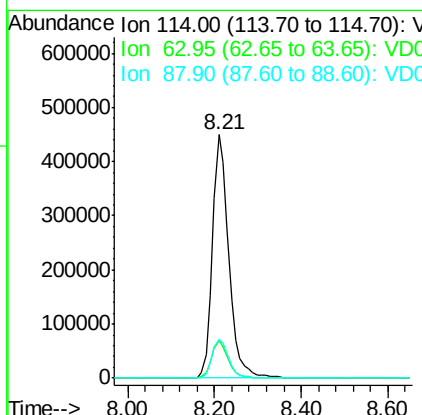
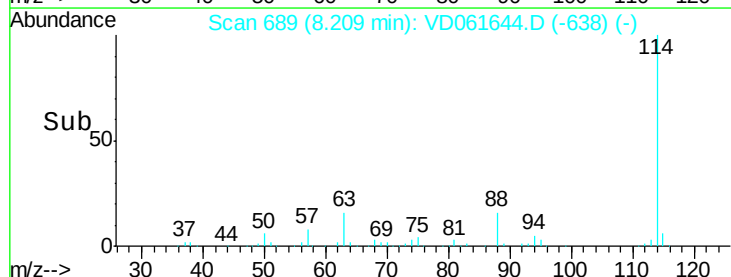
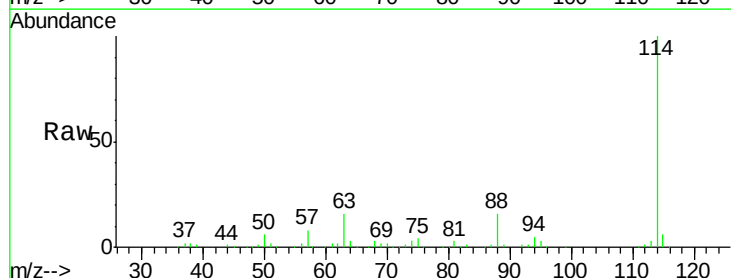
Manual Integrations
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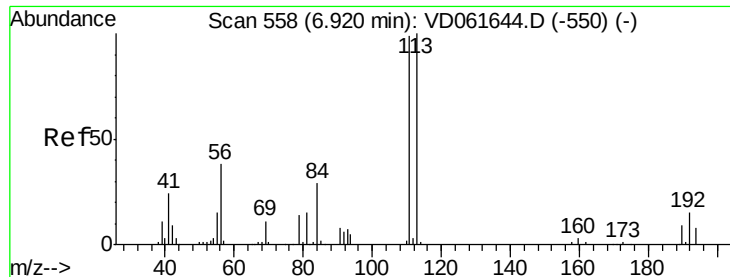
MMDadoda
 4/11/2019 2:57:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 114 Resp: 1180789
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

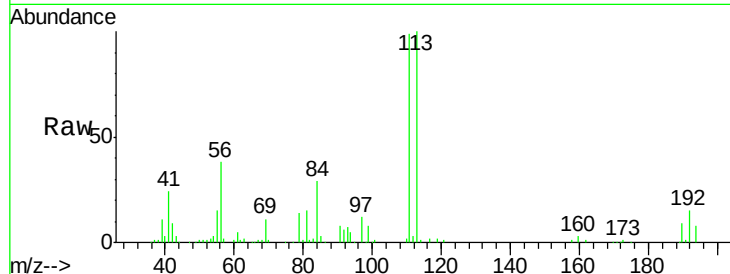
ClientSampleId :

VSTDICCC050

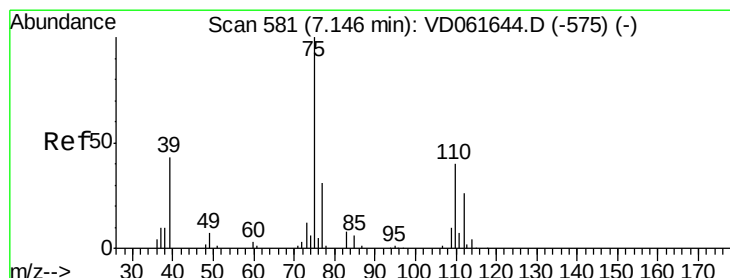
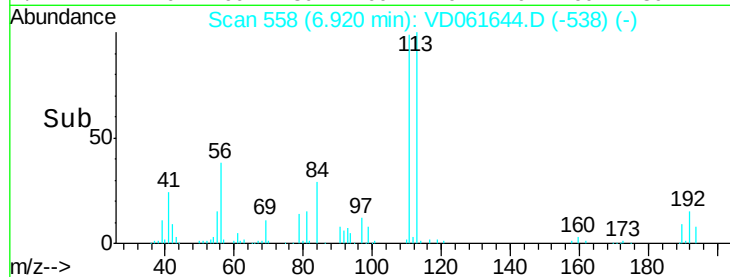
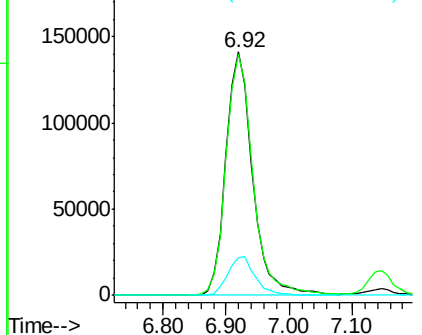
Tot Ion:	113	Resp:	415057
Ion	Ratio	Lower	Upper
113	100		
111	99.1	79.3	118.9
192	15.4	12.3	18.5

Manual Integrations
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.163 ug/l

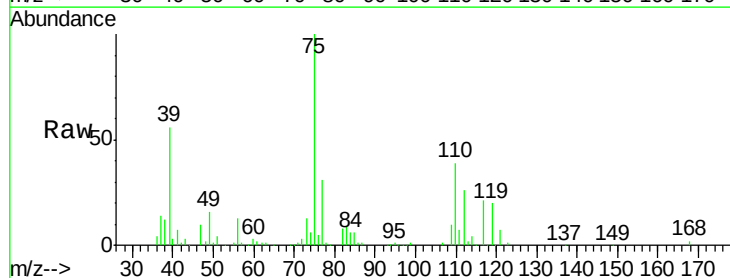
RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

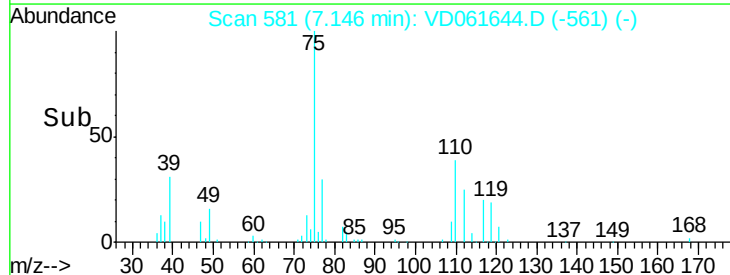
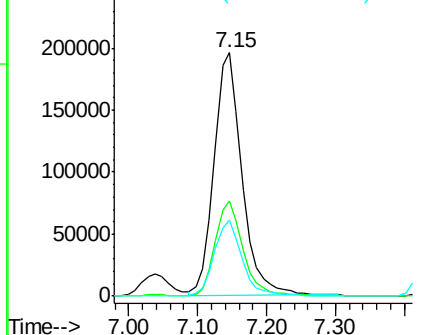
Lab File: VD061644.D

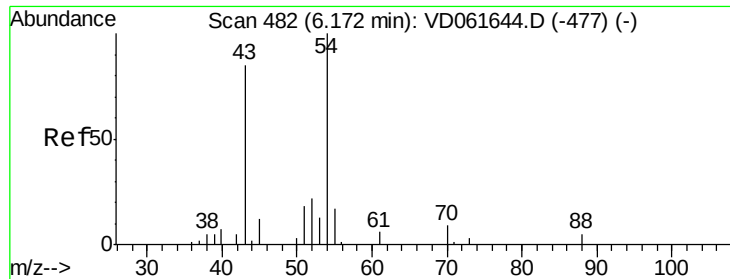
Acq: 6 Apr 2019 15:39

Tgt Ion:	75	Resp:	550690
Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.7	59.0
77	31.0	24.8	37.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





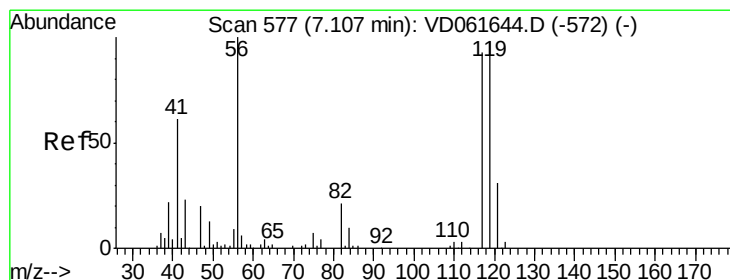
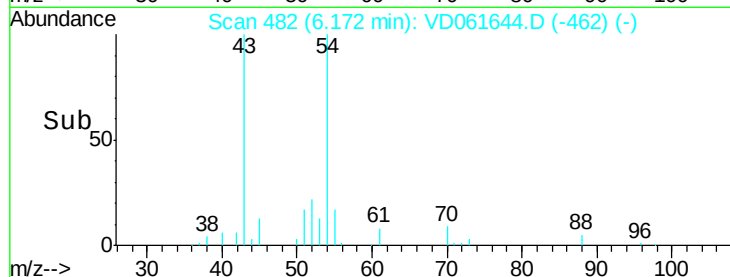
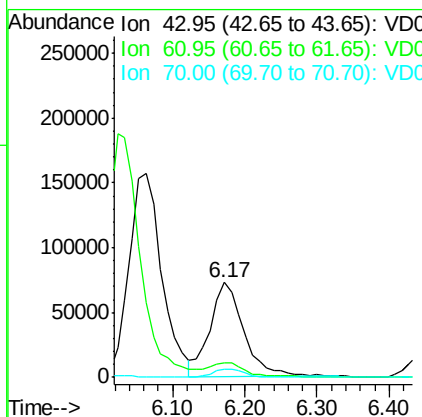
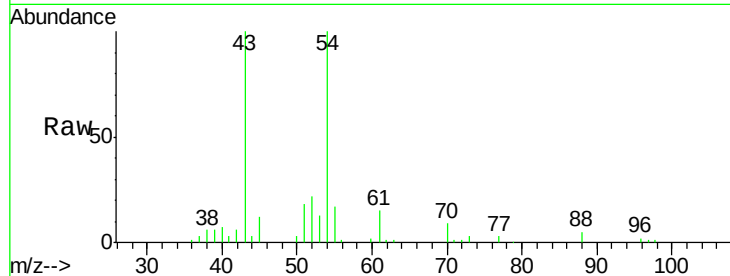
#37
Ethyl Acetate
Concen: 53.127 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	8.6	6.9	10.3

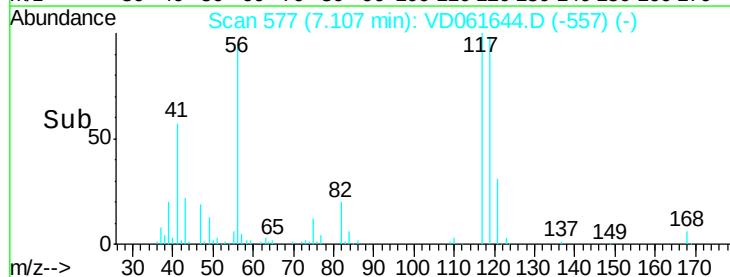
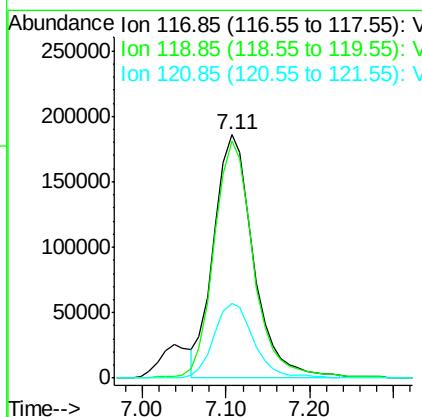
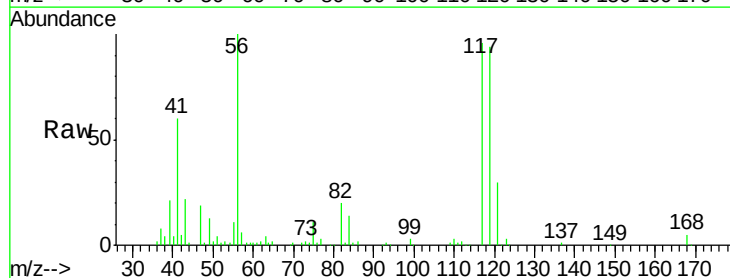
Manual Integrations
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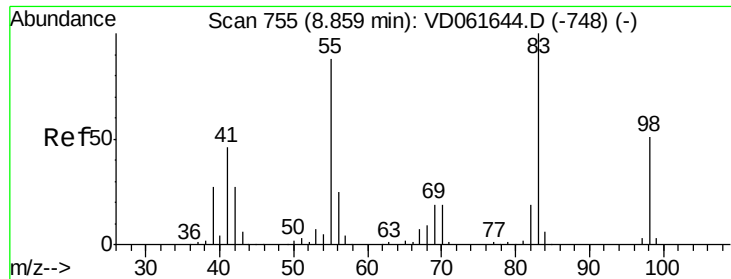
MMDadoda
4/11/2019 2:57:31 AM



#38
Carbon Tetrachloride
Concen: 50.512 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.9	116.9
121	30.9	24.7	37.1





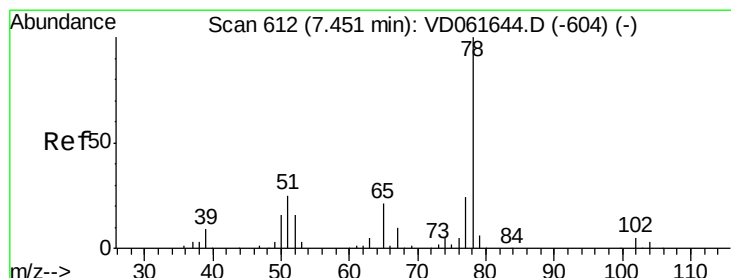
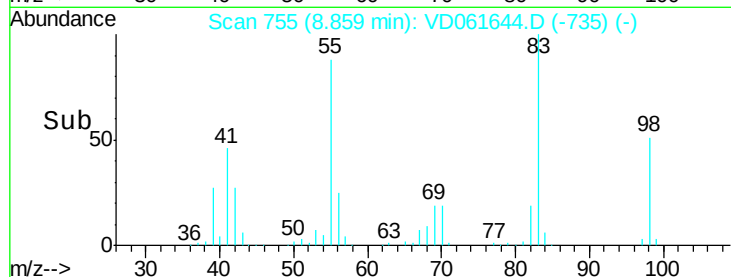
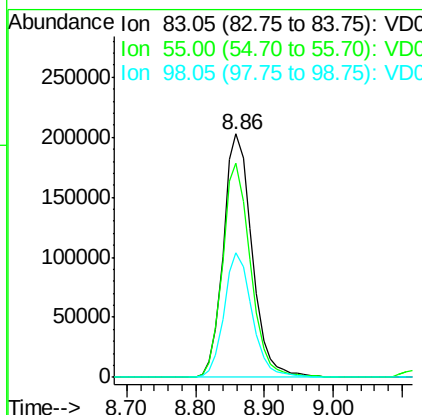
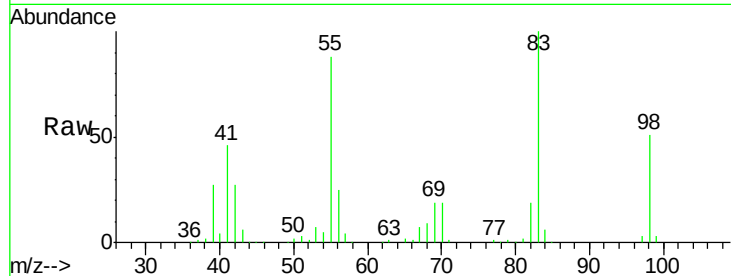
#39
Methylvlcyclohexane
Concen: 53.315 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	70.3	105.5
98	51.3	41.0	61.6

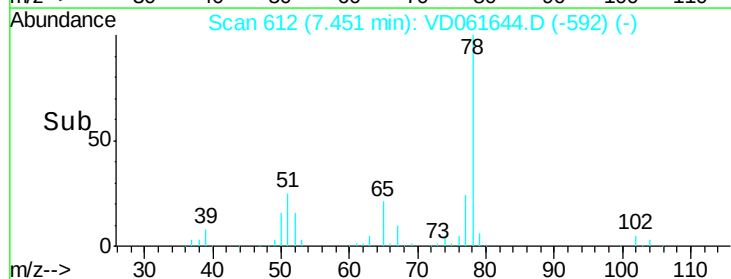
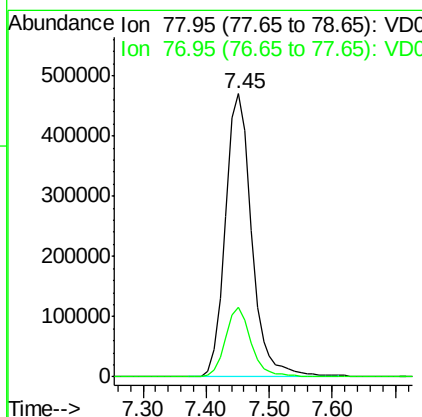
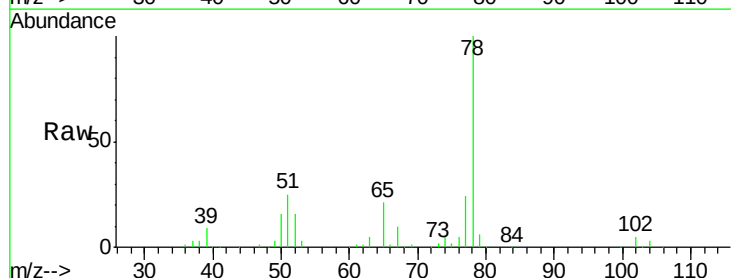
Manual Integrations
APPROVED

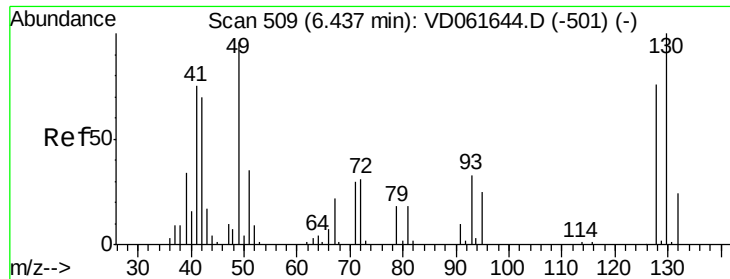
MMDadoda
4/11/2019 2:57:31 AM



#40
Benzene
Concen: 53.306 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





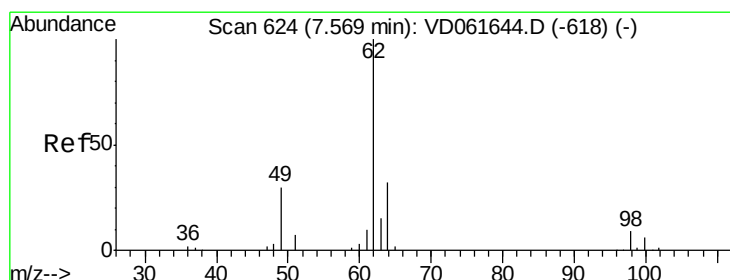
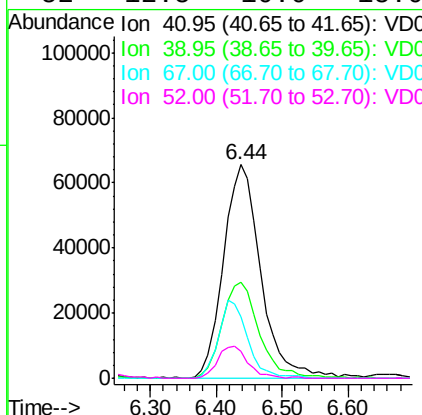
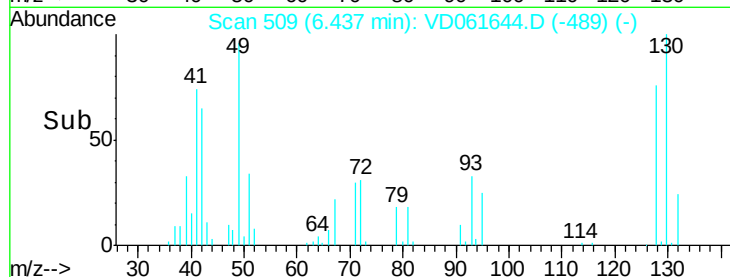
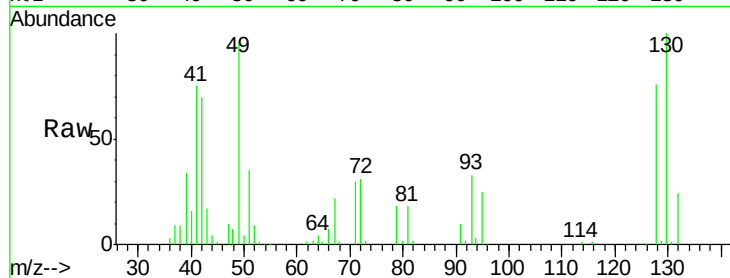
#41
Methacrylonitrile
Concen: 52.539 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		259514		
39	45.2	36.2	54.2		
67	29.0	23.2	34.8		
52	12.5	10.0	15.0		

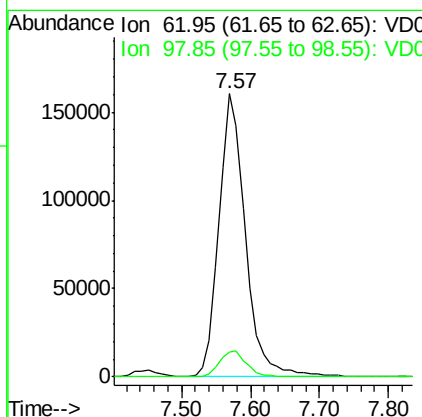
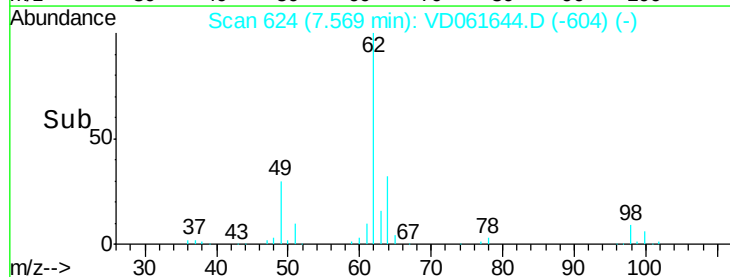
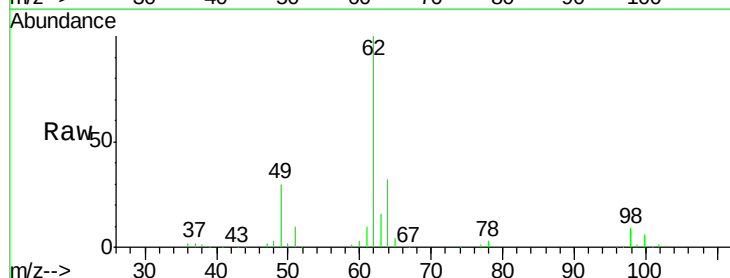
Manual Integrations
APPROVED

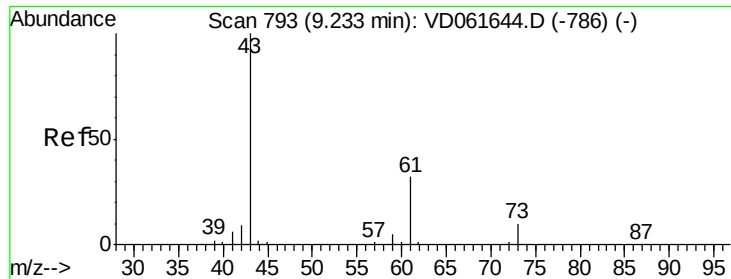
MMDadoda
4/11/2019 2:57:31 AM



#42
1,2-Dichloroethane
Concen: 53.085 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		428576		
98	8.9	0.0	17.8		





#43

Isopropyl Acetate

Concen: 52.374 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

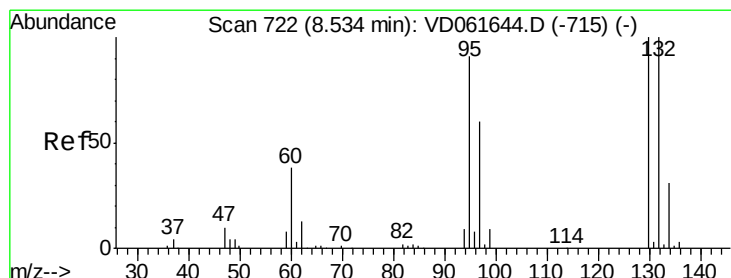
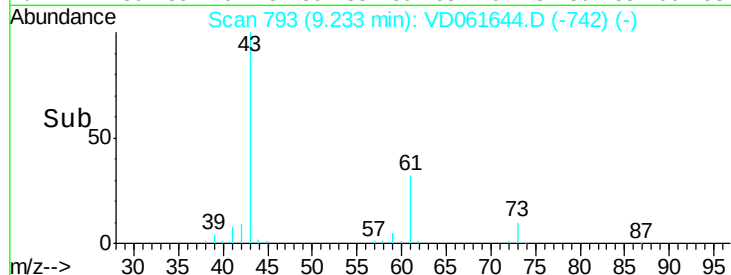
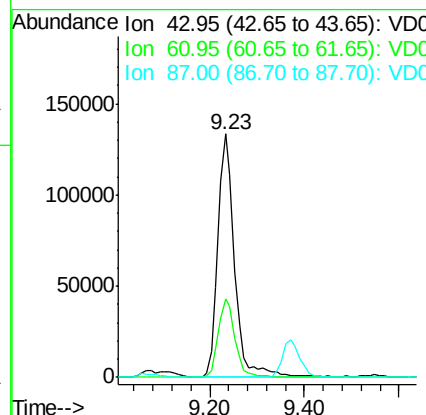
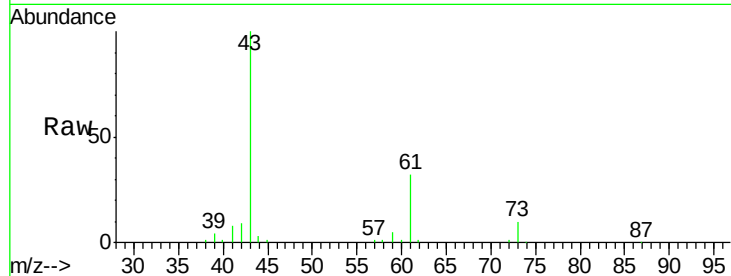
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	329854
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.9	38.9
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 52.849 ug/l

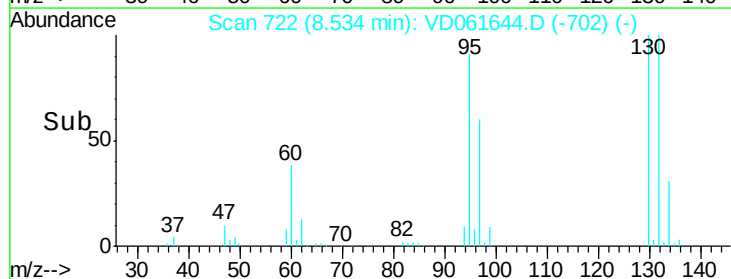
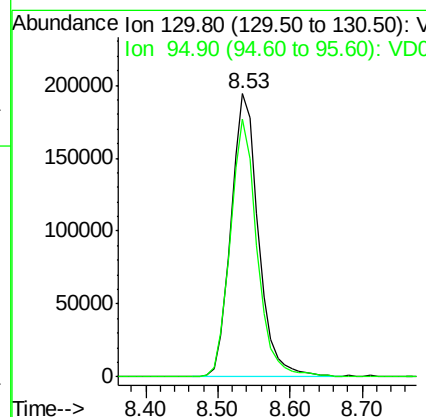
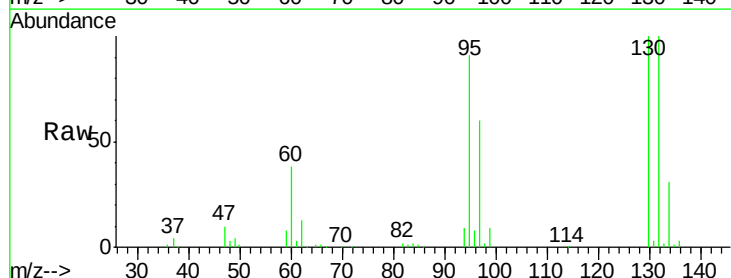
RT: 8.53 min Scan# 722

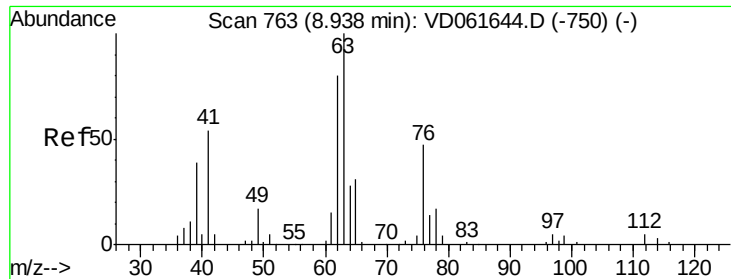
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion:	130	Resp:	514262
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	181.8





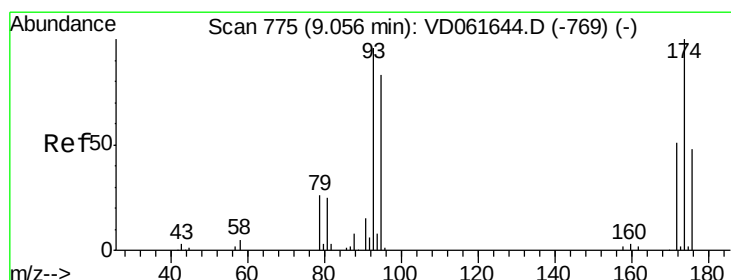
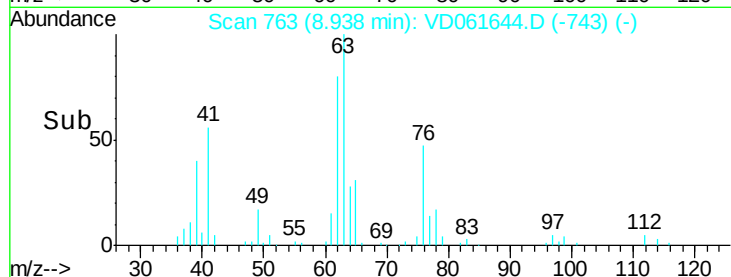
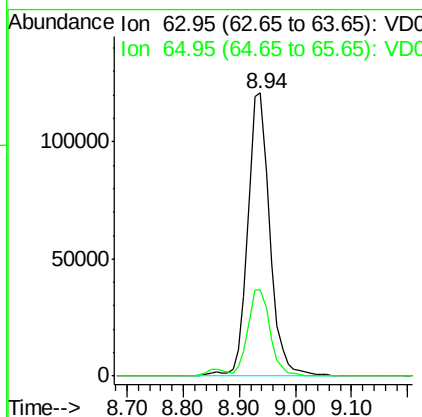
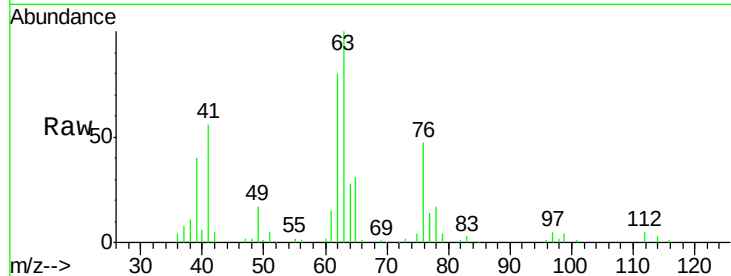
#45
 1,2-Dichloropropane
 Concen: 52.838 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.6	24.5	36.7	

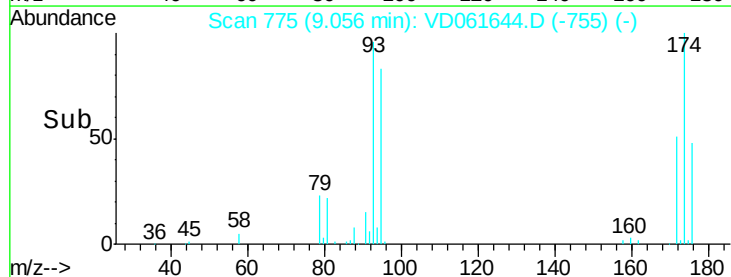
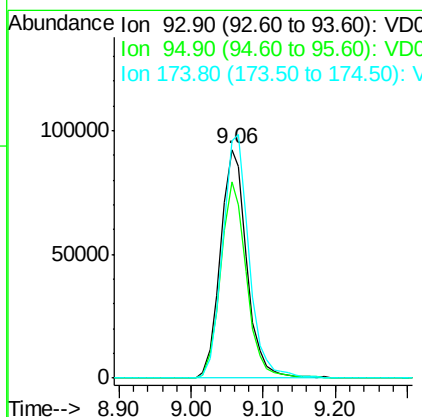
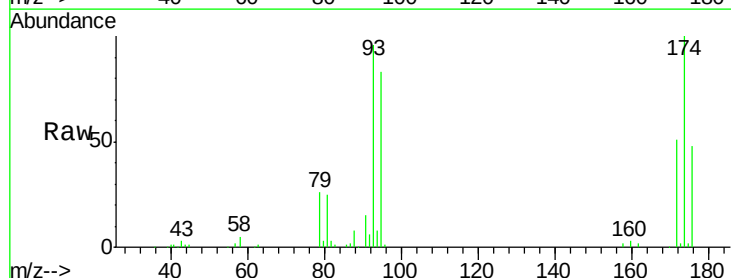
Manual Integrations
 APPROVED

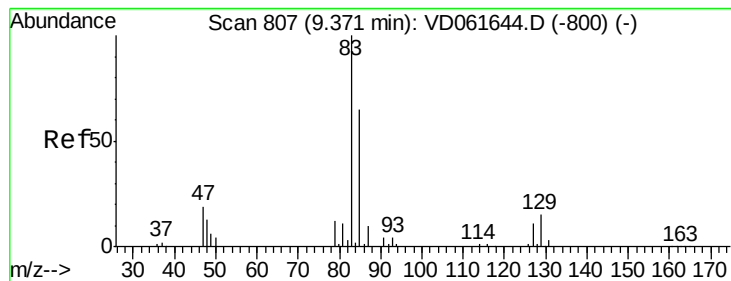
MMDadoda
 4/11/2019 2:57:31 AM



#46
 Dibromomethane
 Concen: 52.224 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	85.8	68.6	103.0	
174	103.7	83.0	124.4	





#47

Bromodichloromethane

Concen: 50.552 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

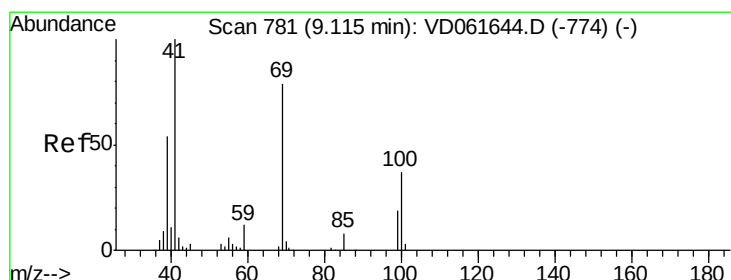
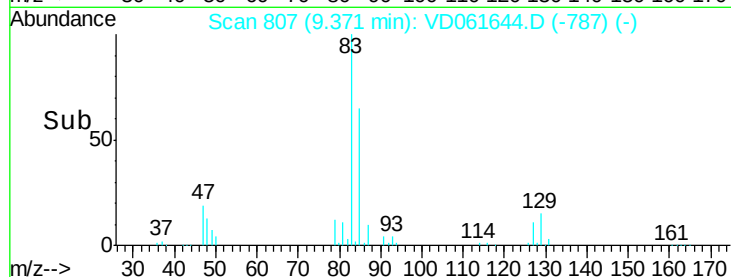
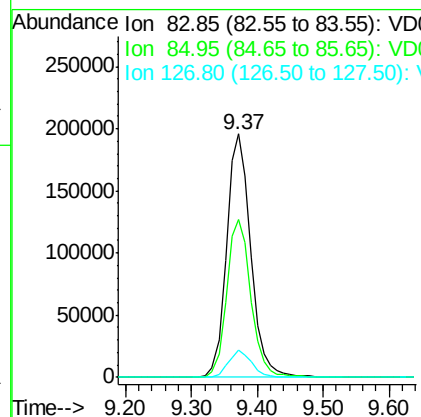
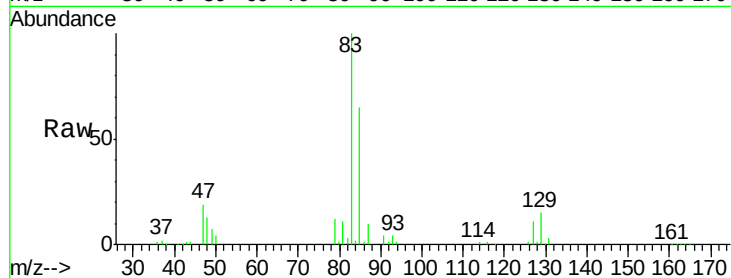
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	501175
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.8	77.6
127	11.3	9.0	13.6

Manual Integrations
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MMDadoda
4/11/2019 2:57:31 AM



#48

Methyl methacrylate

Concen: 53.397 ug/l

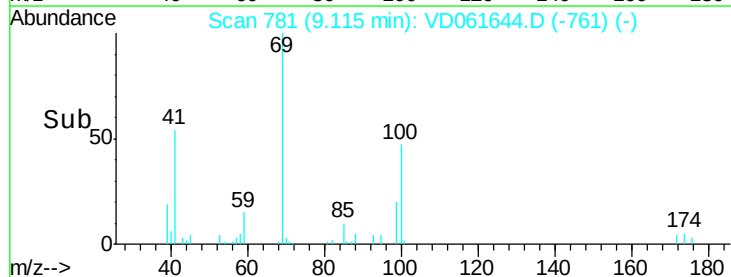
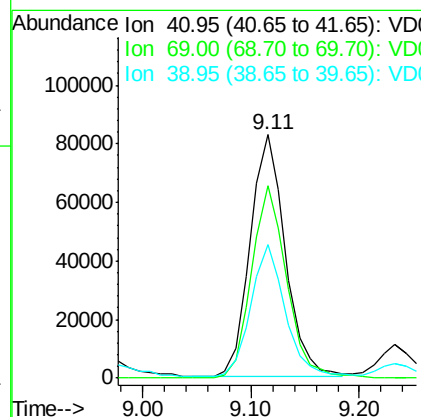
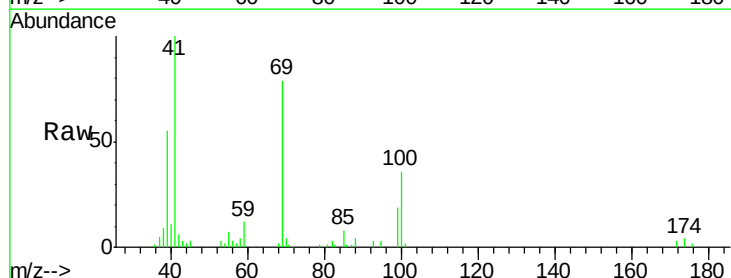
RT: 9.11 min Scan# 781

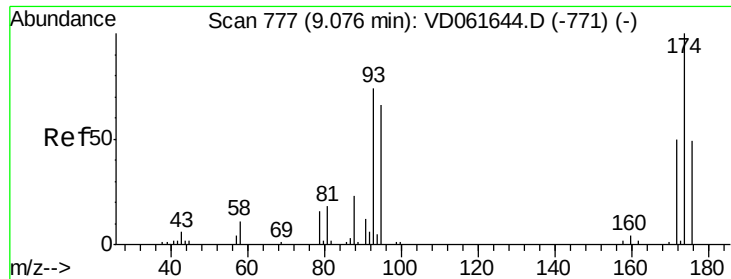
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion:	41	Resp:	185950
Ion Ratio	Lower	Upper	
41	100		
69	78.9	63.1	94.7
39	54.8	43.8	65.8





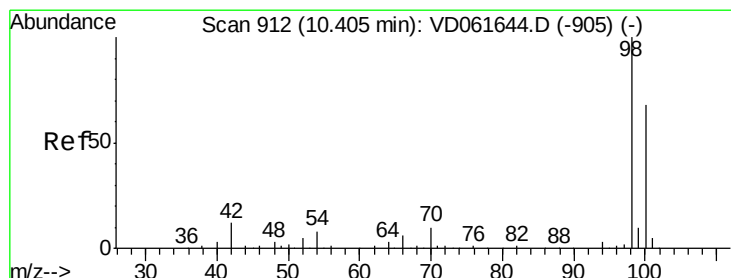
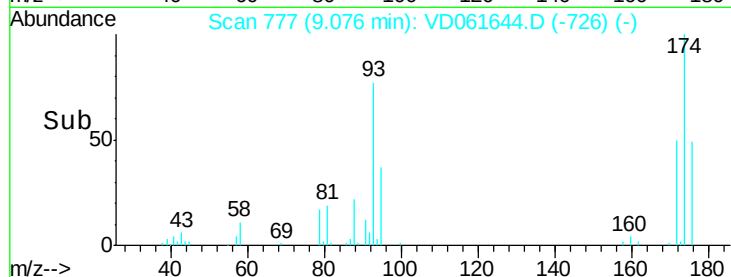
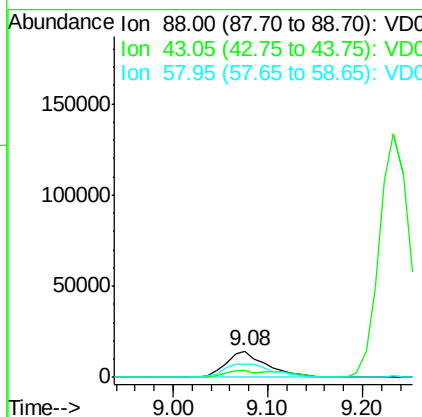
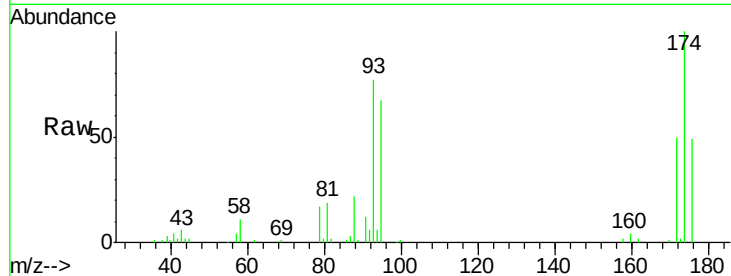
#49
1,4-Dioxane
Concen: 1089.961 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.8	32.8
58	50.2	40.2	60.2

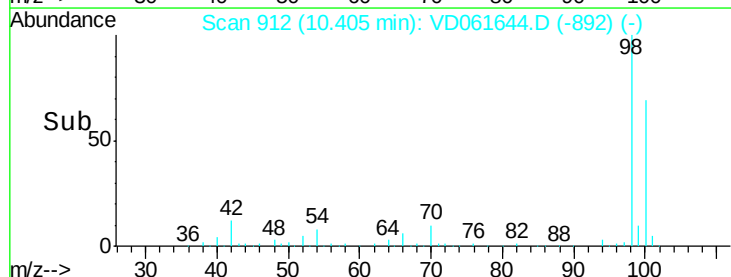
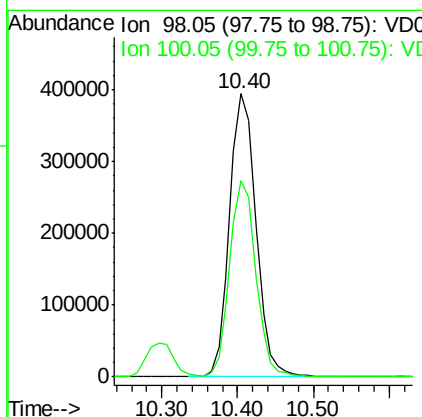
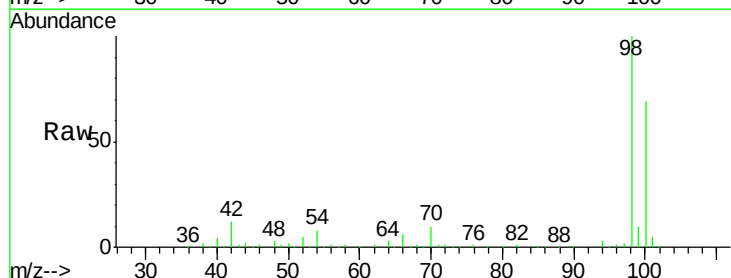
Manual Integrations
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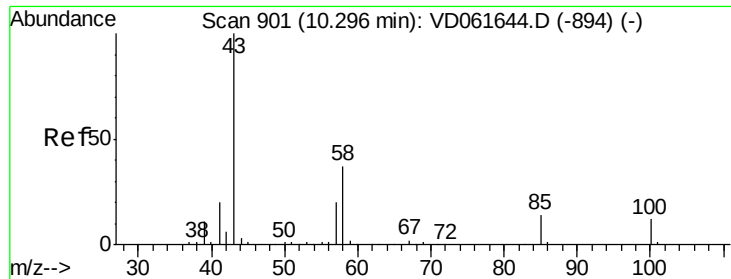
MMDadoda
4/11/2019 2:57:31 AM



#50
Toluene-d8
Concen: 1089.961 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 255.077 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tot Ion: 43 Resp: 945947

Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.8

Instrument :

MSVOA_D

ClientSampleId :

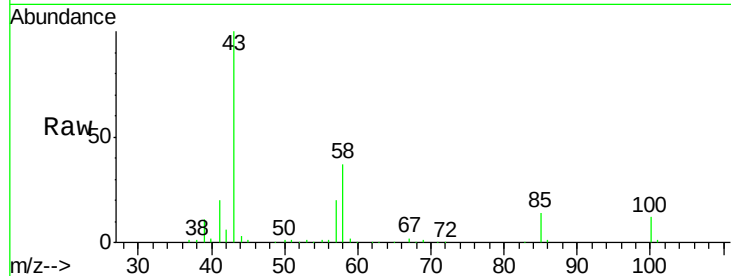
VSTDICCC050

Manual Integrations

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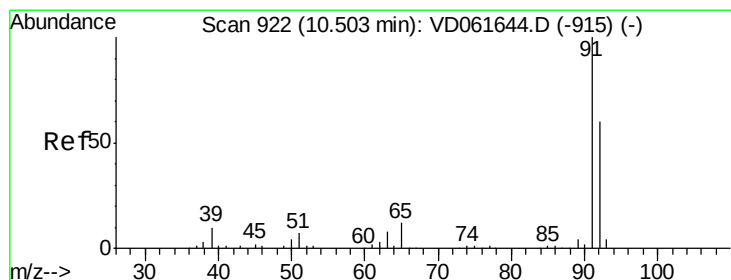
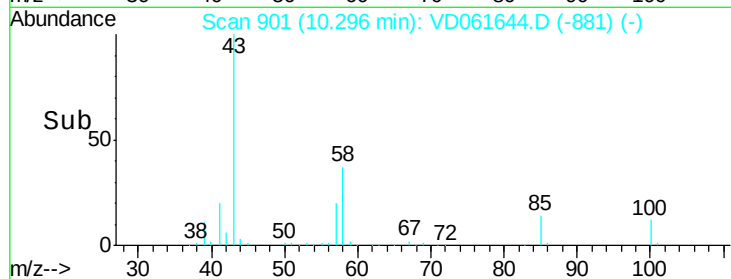
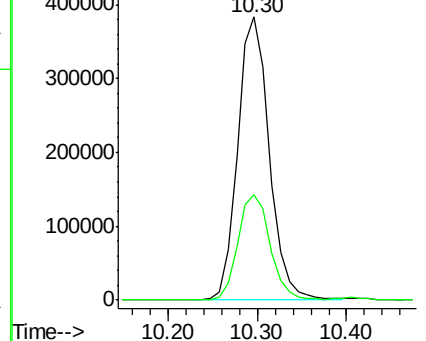
MMDadoda

4/11/2019 2:57:31 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.385 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061644.D

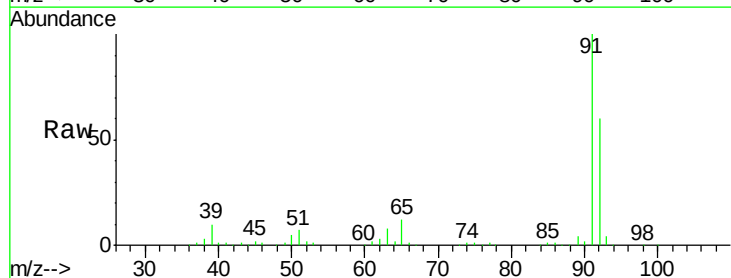
Acq: 6 Apr 2019 15:39

Tgt Ion: 92 Resp: 828896

Ion Ratio Lower Upper

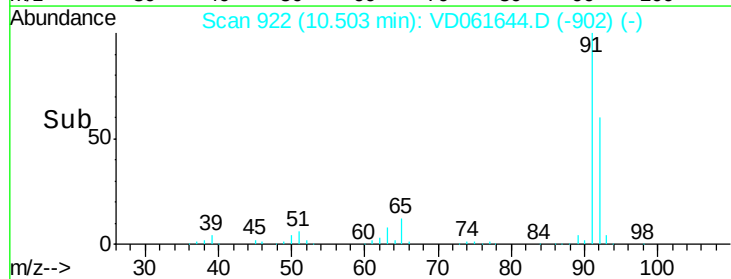
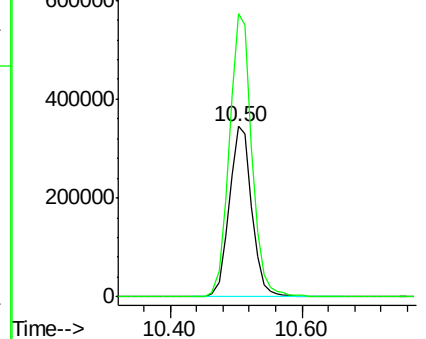
92 100

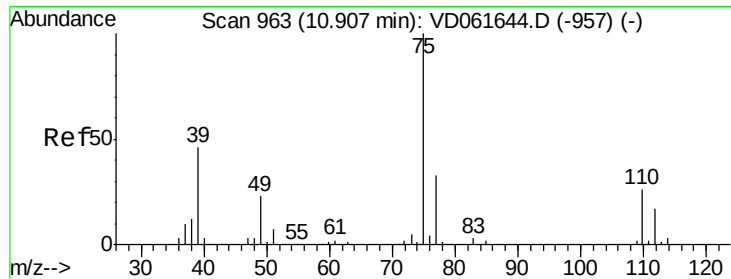
91 166.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





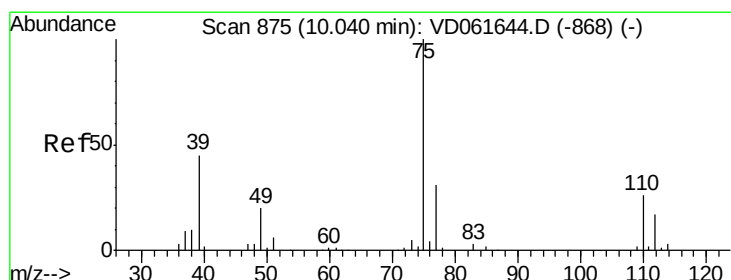
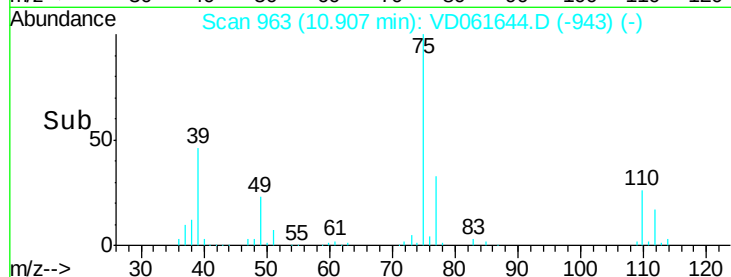
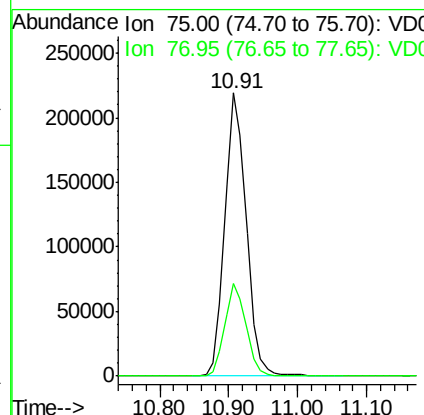
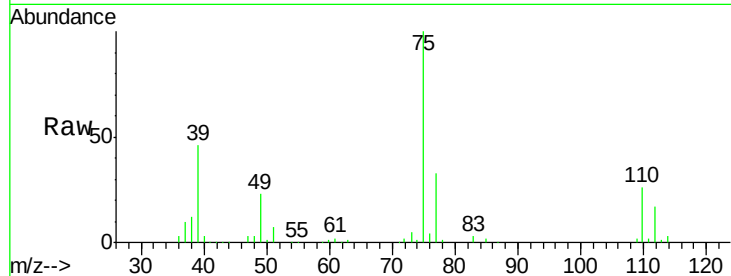
#53
 t-1,3-Dichloropropene
 Concen: 54.069 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 473398
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2

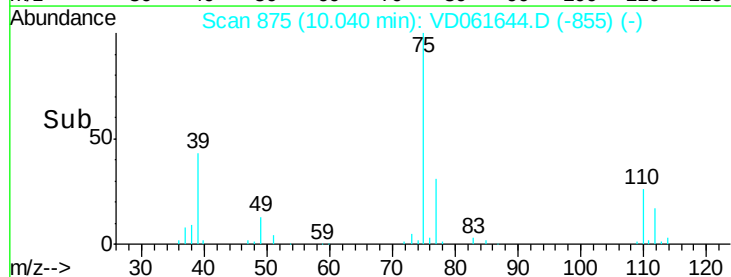
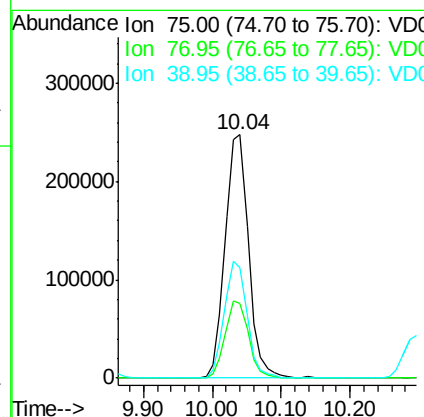
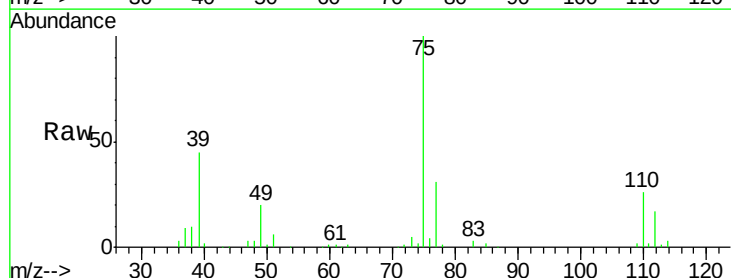
Manual Integrations
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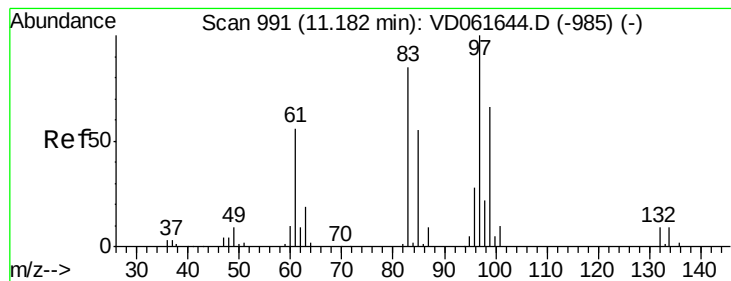
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 54.269 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 75 Resp: 585327
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 45.2 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 51.858 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

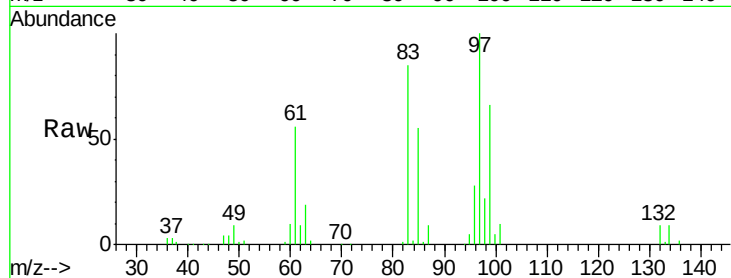
VSTDICCC050

Tot Ion: 97 Resp: 270546

Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.8	101.6
85	54.8	43.8	65.8
99	66.0	52.8	79.2

Manual Integrations
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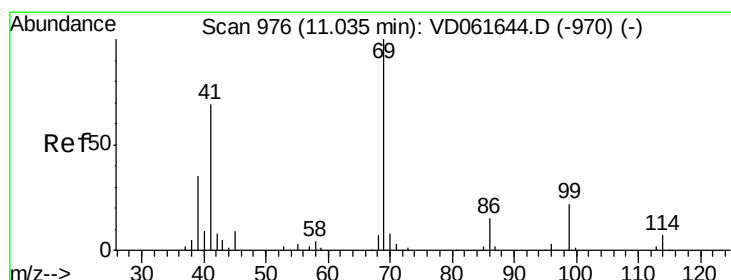
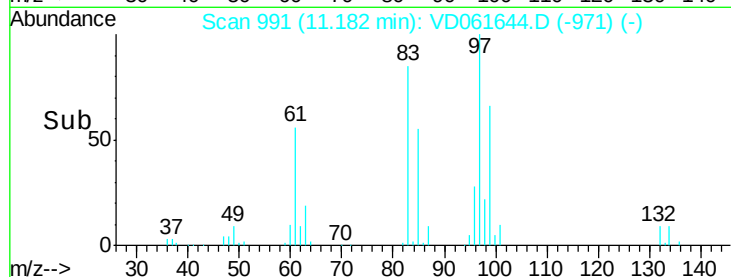
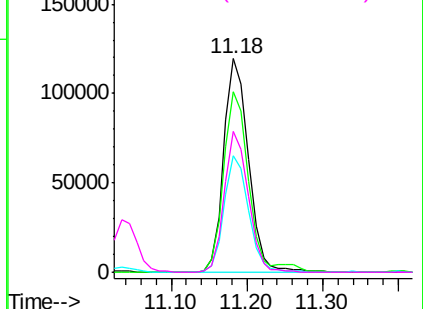


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 52.544 ug/l

RT: 11.03 min Scan# 976

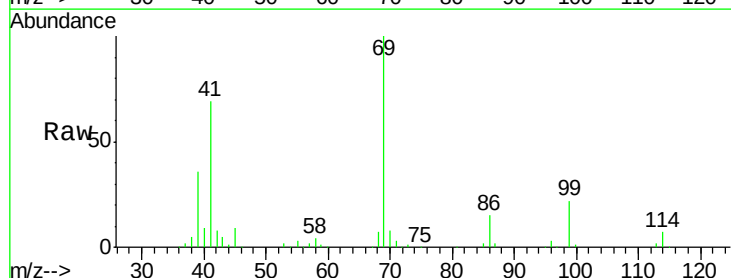
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 69 Resp: 297848

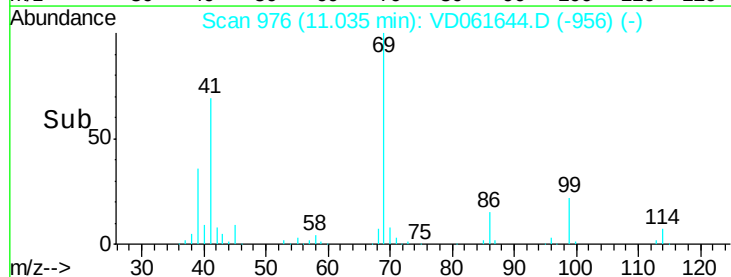
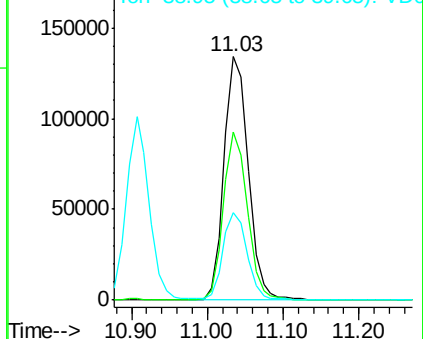
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	35.8	28.6	43.0

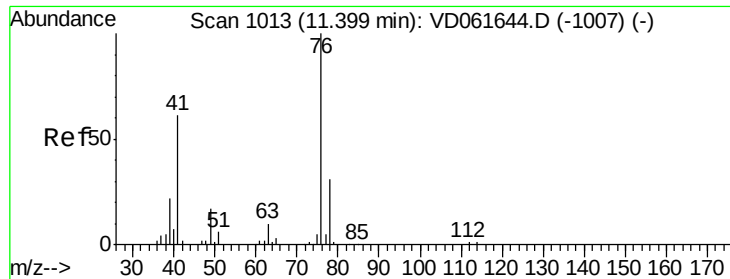


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





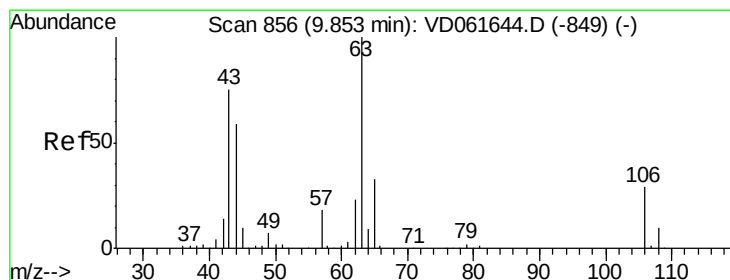
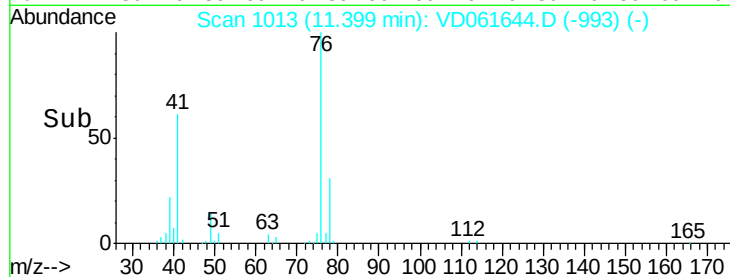
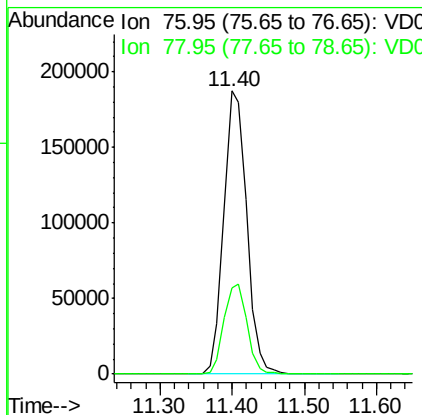
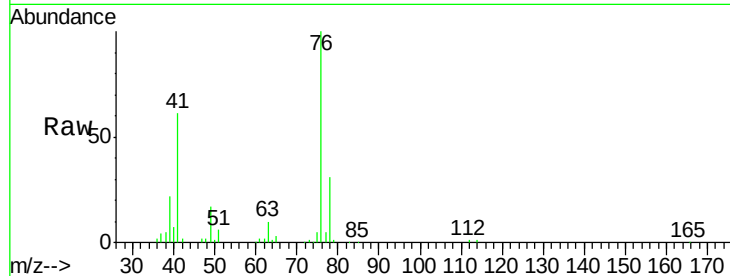
#57
 1,3-Dichloropropane
 Concen: 52.630 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 414567
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.5 36.7

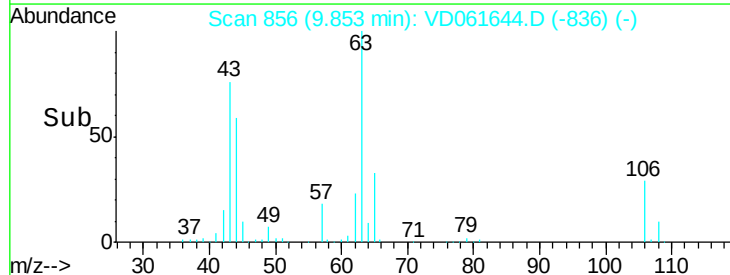
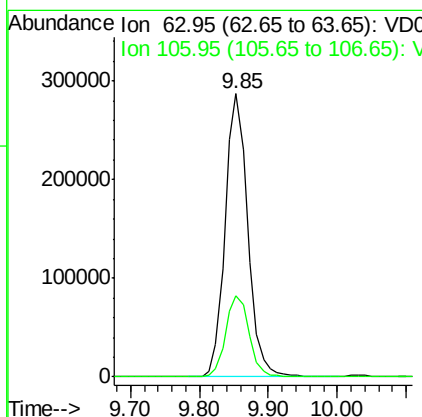
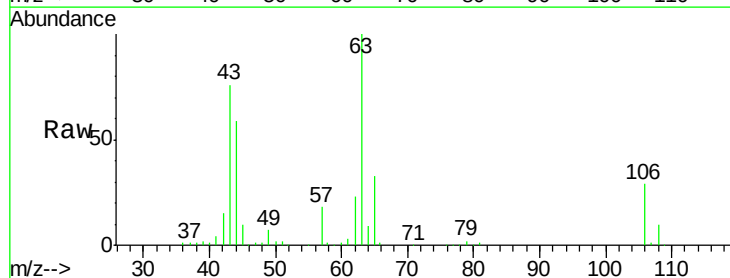
Manual Integrations
 APPROVED

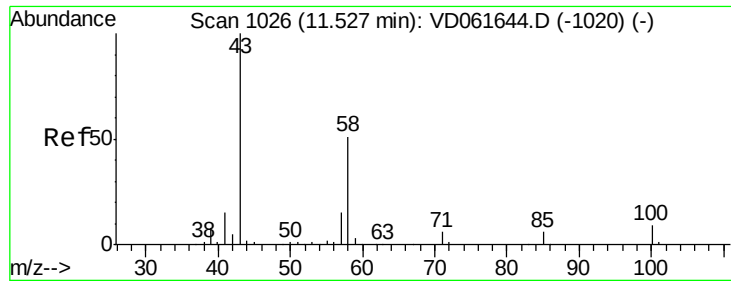
MMDadoda
 4/11/2019 2:57:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.850 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion: 63 Resp: 654486
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.6





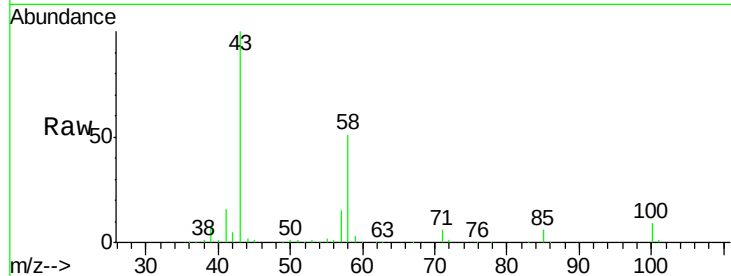
#59
2-Hexanone
Concen: 264.024 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

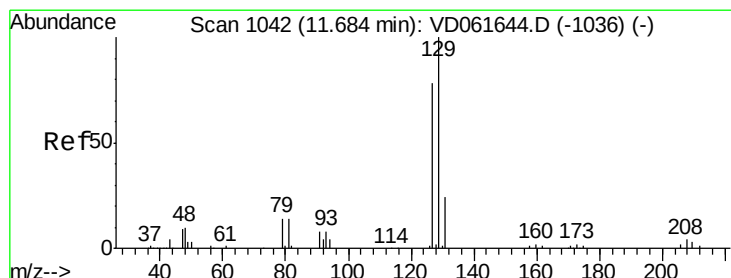
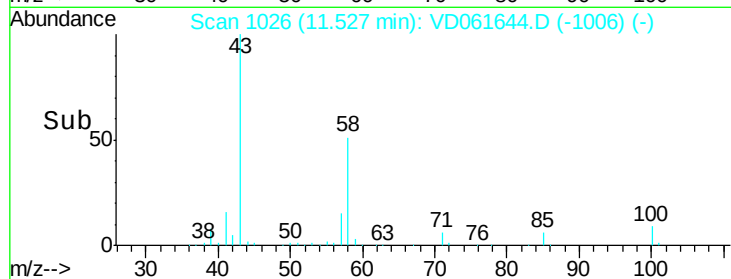
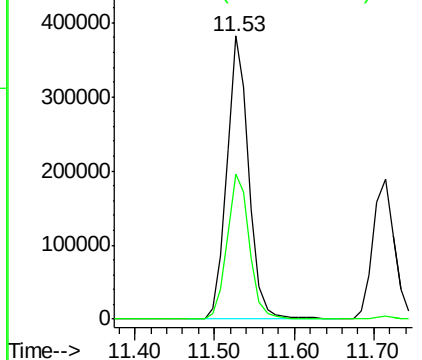
Tot Ion: 43 Resp: 738928
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

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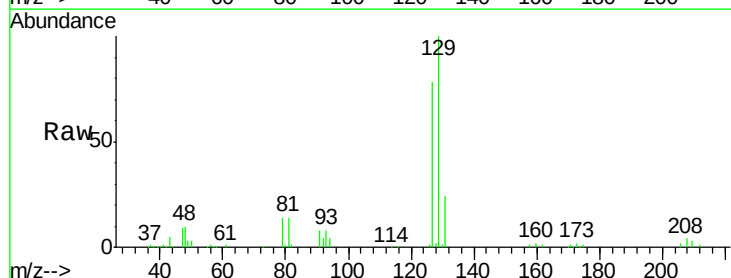


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

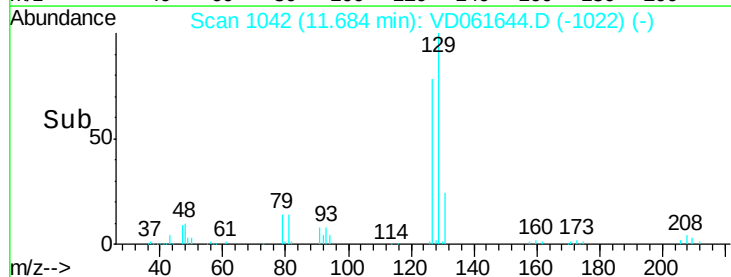
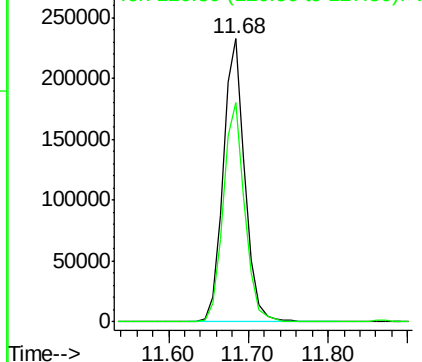


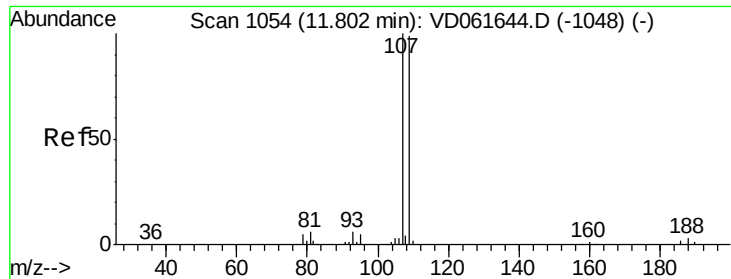
#60
Dibromochloromethane
Concen: 53.518 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 129 Resp: 444421
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 54.159 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 333426

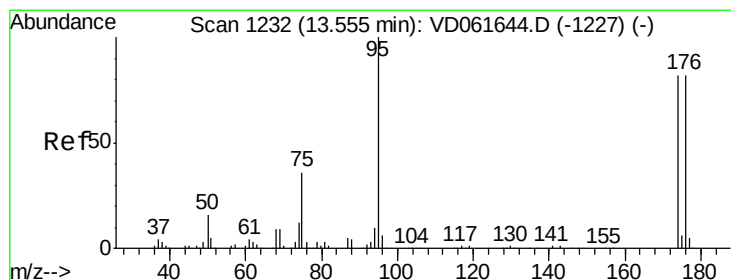
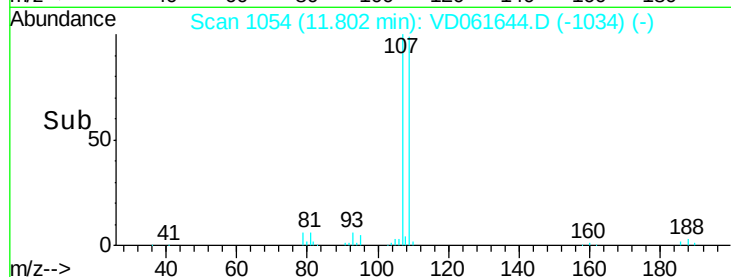
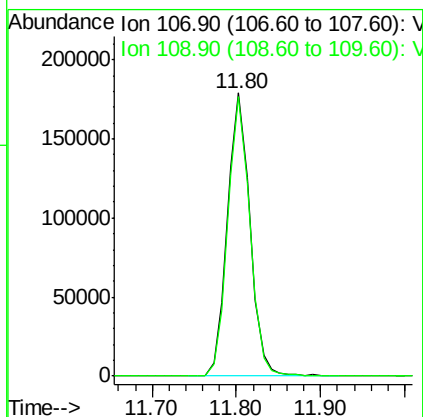
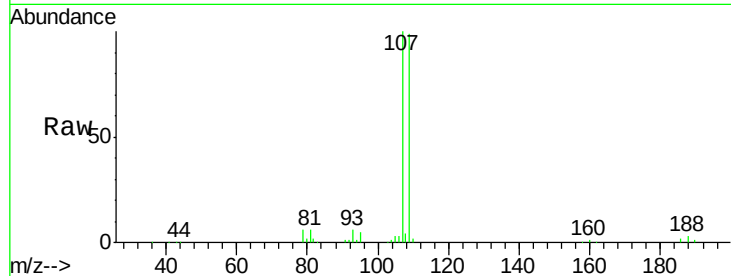
Ion Ratio Lower Upper

107 100

109 99.0 79.2 118.8

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#62

4-Bromofluorobenzene

Concen: 54.159 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

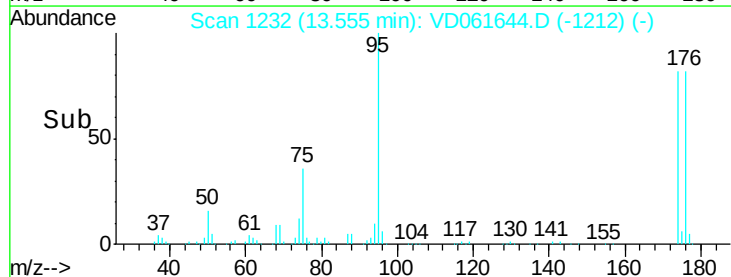
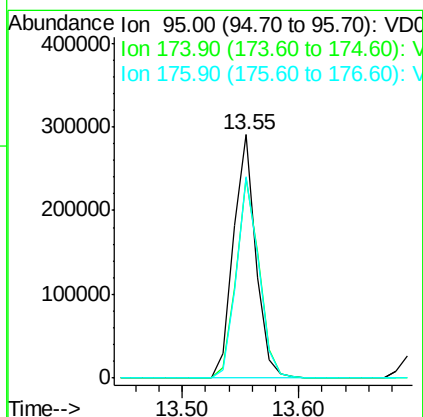
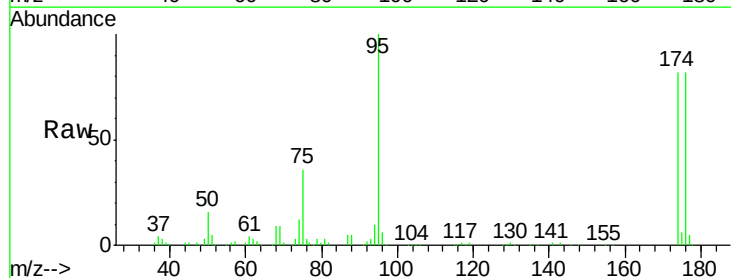
Tgt Ion: 95 Resp: 386281

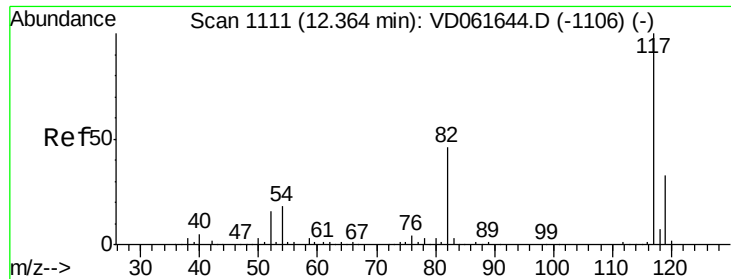
Ion Ratio Lower Upper

95 100

174 82.3 0.0 164.6

176 82.5 0.0 165.0





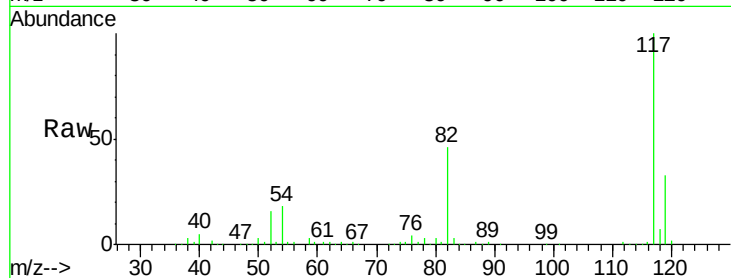
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

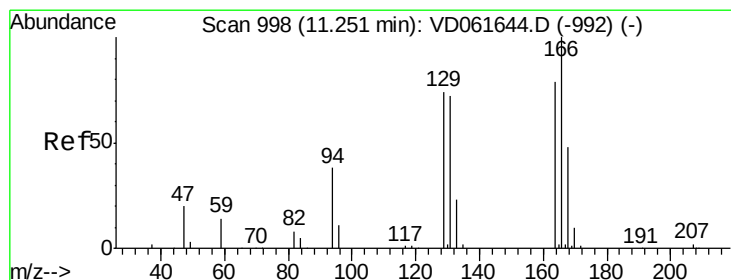
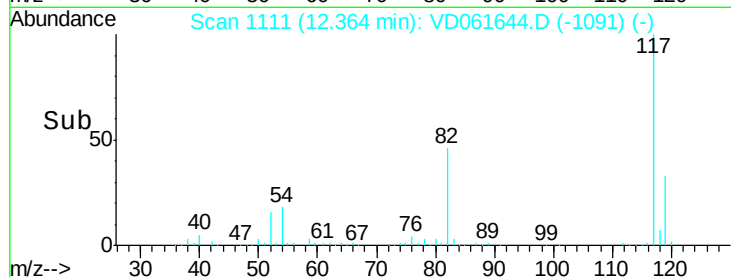
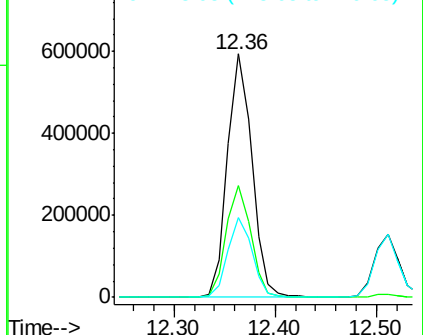
Tot Ion:117 Resp: 1007446
Ion Ratio Lower Upper
117 100
82 46.0 36.8 55.2
119 32.6 26.1 39.1

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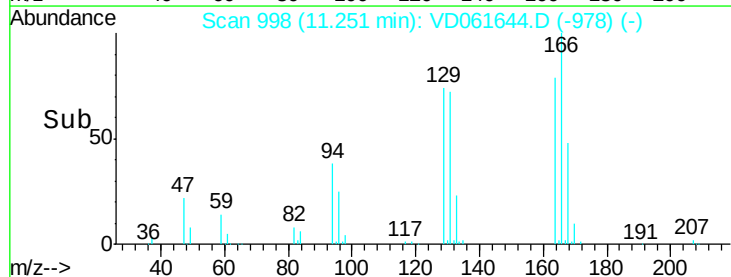
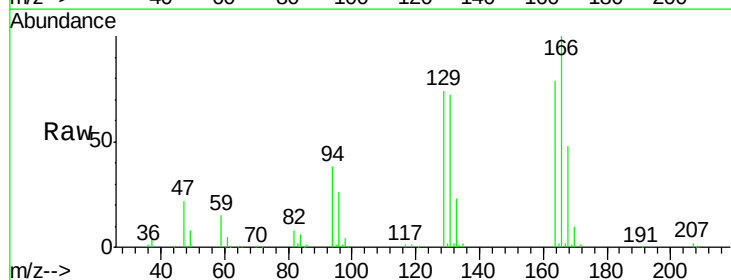
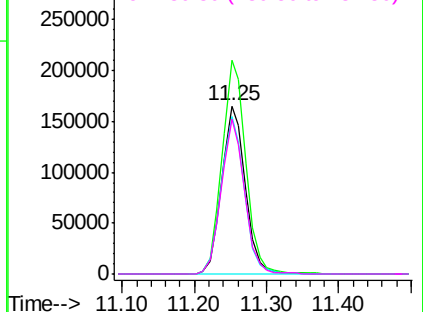
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

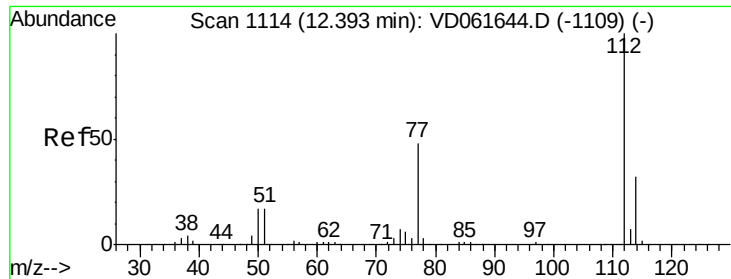


#64
Tetrachloroethene
Concen: 48.268 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:164 Resp: 371066
Ion Ratio Lower Upper
164 100
166 127.3 101.8 152.8
129 94.2 75.4 113.0
131 92.0 73.6 110.4

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





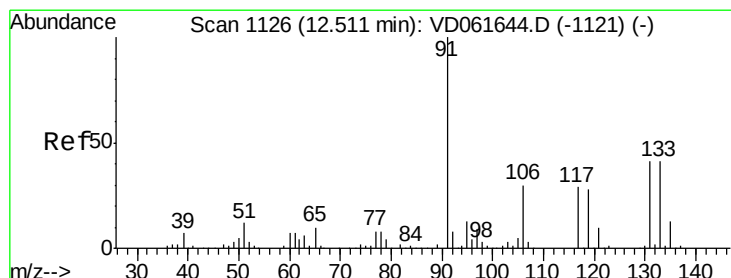
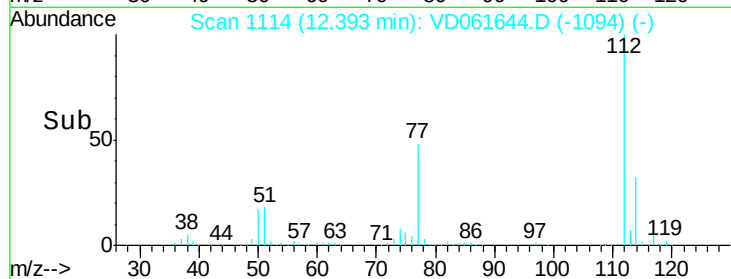
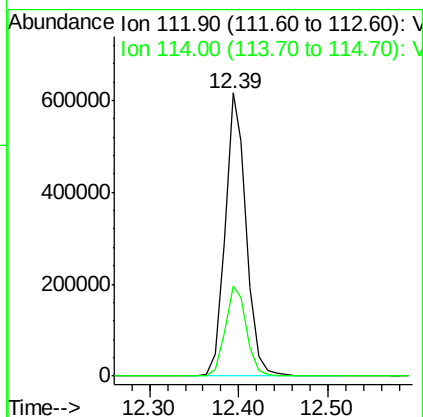
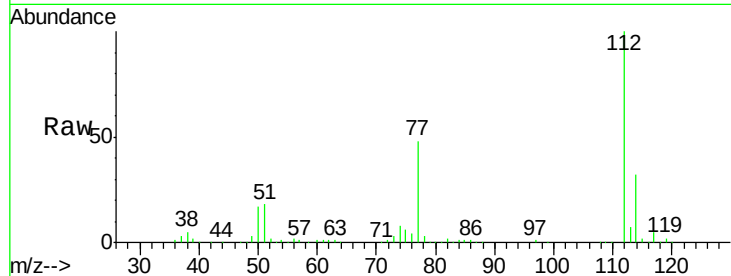
#65
Chlorobenzene
Concen: 51.536 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1023606
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

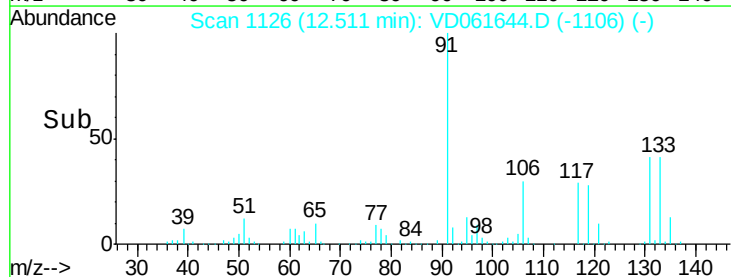
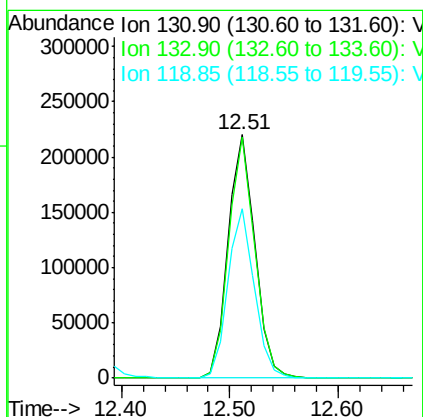
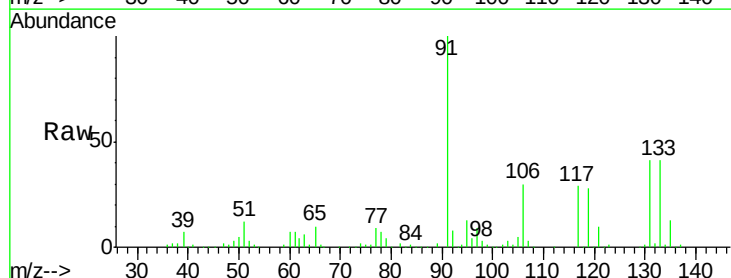
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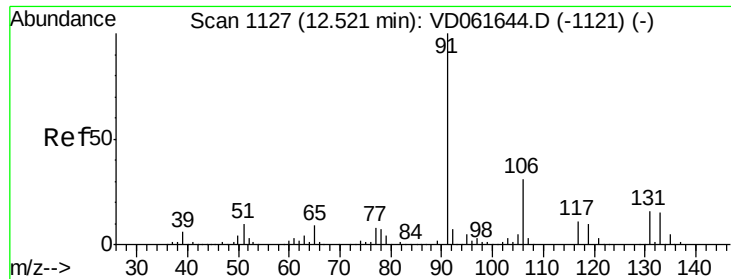
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.049 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:131 Resp: 379503
Ion Ratio Lower Upper
131 100
133 98.9 49.5 148.3
119 69.4 34.7 104.1





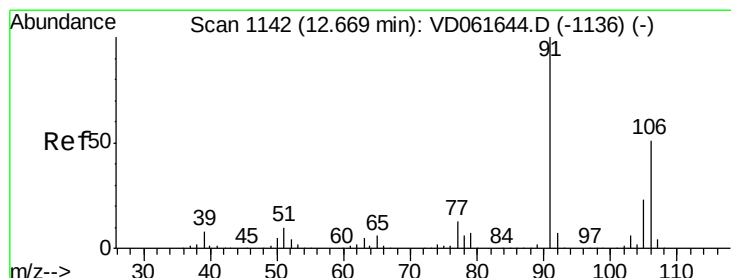
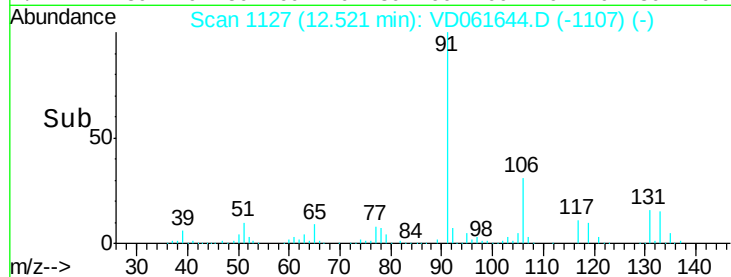
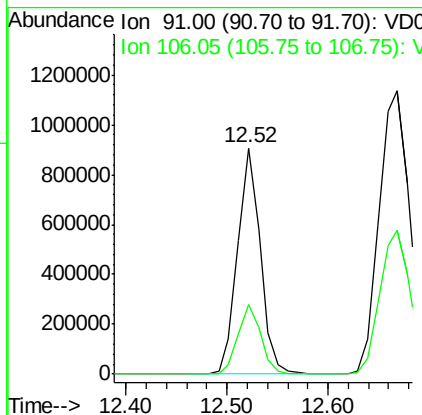
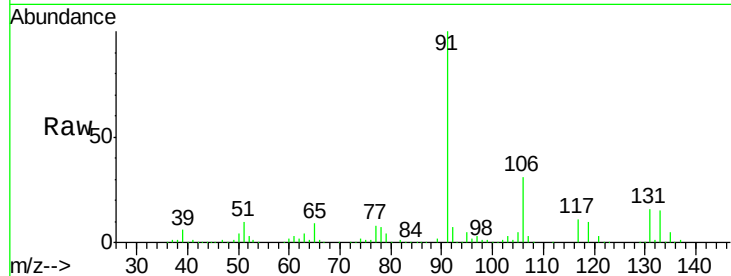
#67
Ethyl Benzene
Concen: 44.982 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1423170
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

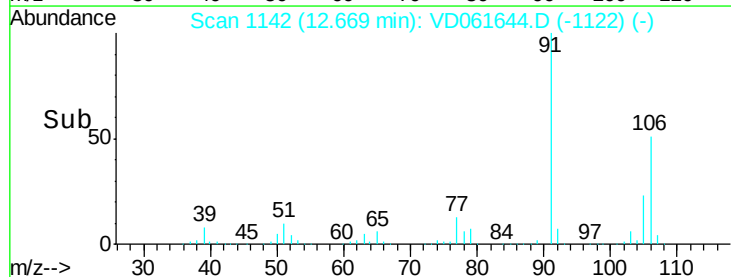
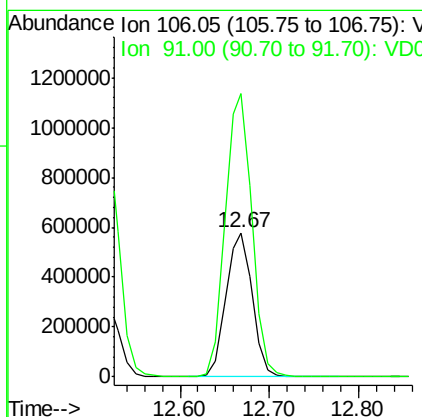
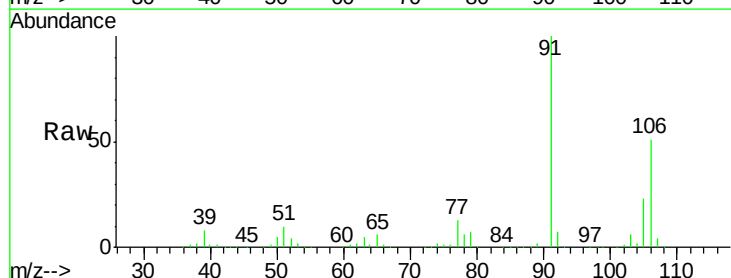
Manual Integrations
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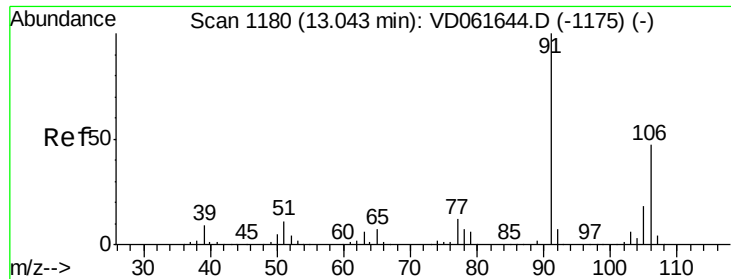
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#68
m/p-Xylenes
Concen: 102.505 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:106 Resp: 1197898
Ion Ratio Lower Upper
106 100
91 195.9 156.7 235.1





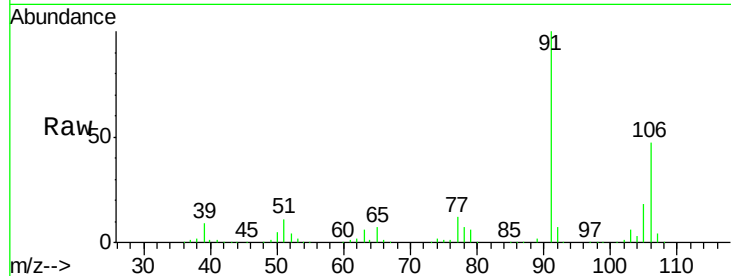
#69
o-Xylene
Concen: 50.018 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

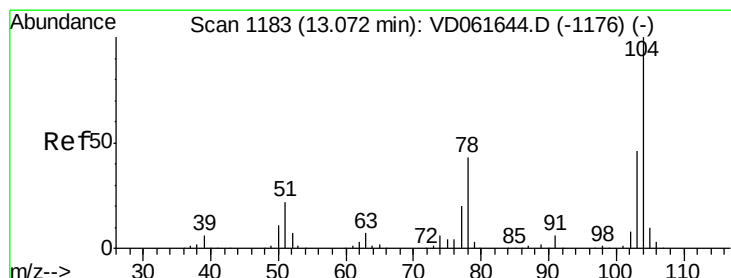
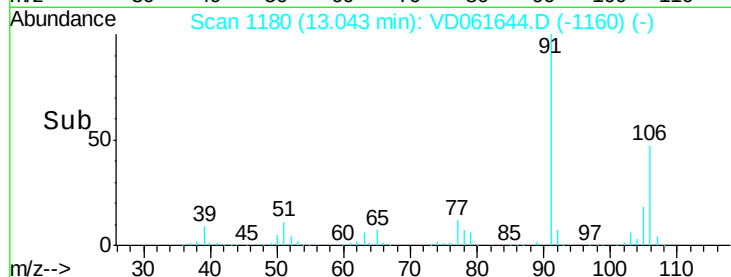
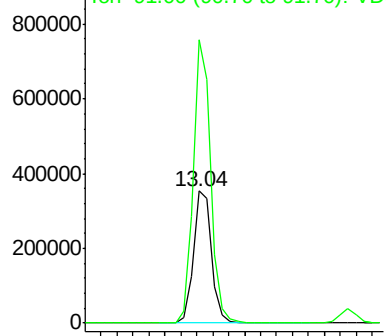
Tot Ion:106 Resp: 565302
Ion Ratio Lower Upper
106 100
91 214.6 107.3 321.9

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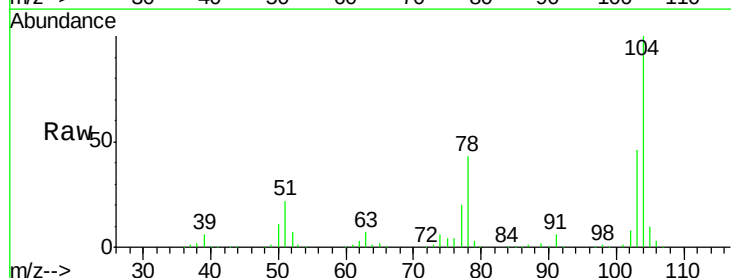


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

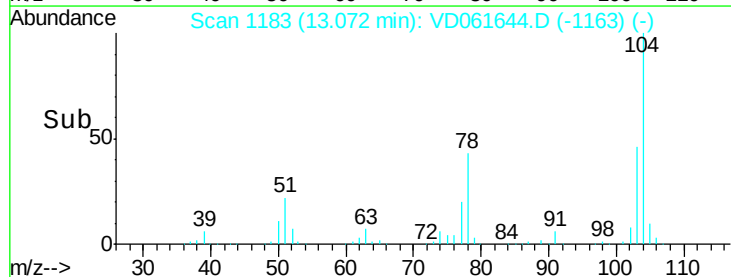
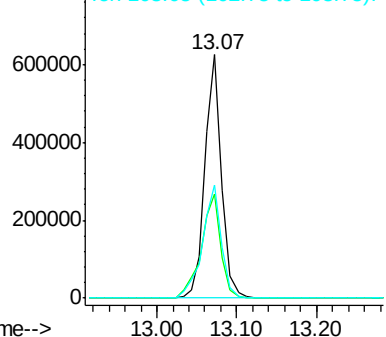


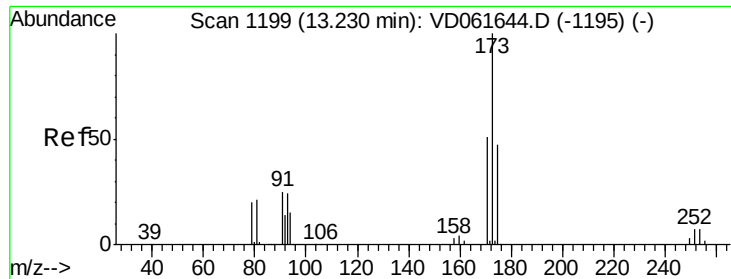
#70
Styrene
Concen: 47.257 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion:104 Resp: 914611
Ion Ratio Lower Upper
104 100
78 42.8 34.2 51.4
103 46.5 37.2 55.8



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





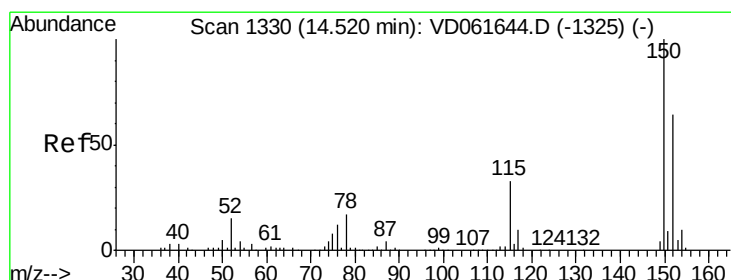
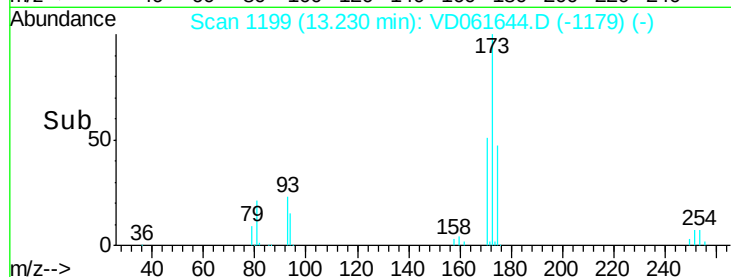
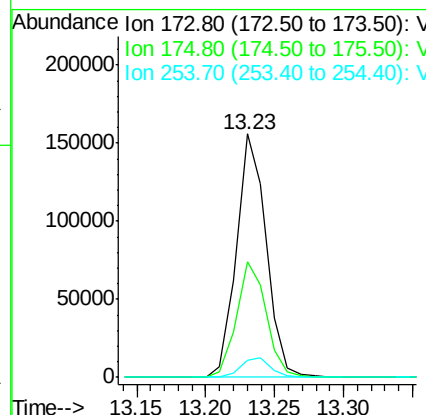
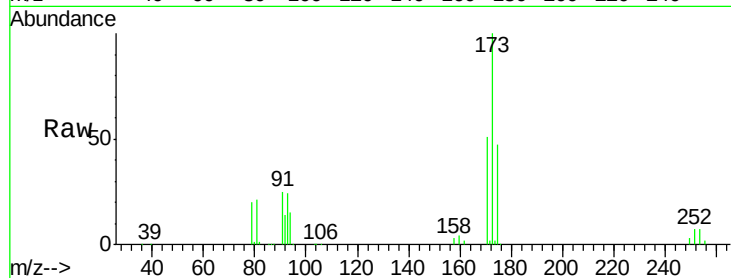
#71
Bromoform
Concen: 49.484 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.7	71.1
254	7.2	5.8	8.6

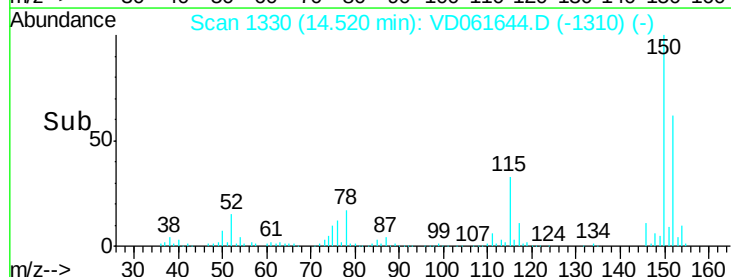
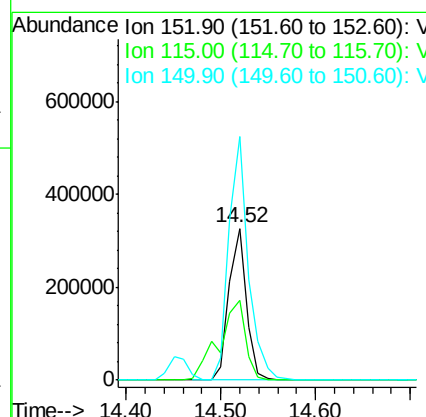
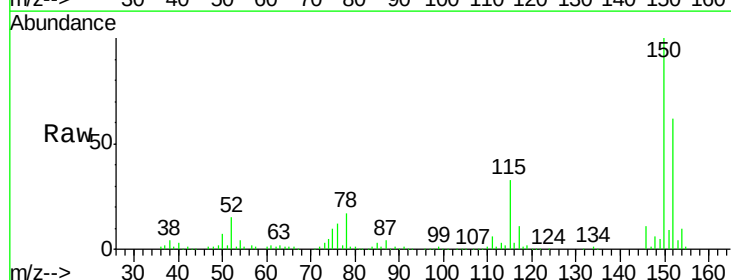
Manual Integrations
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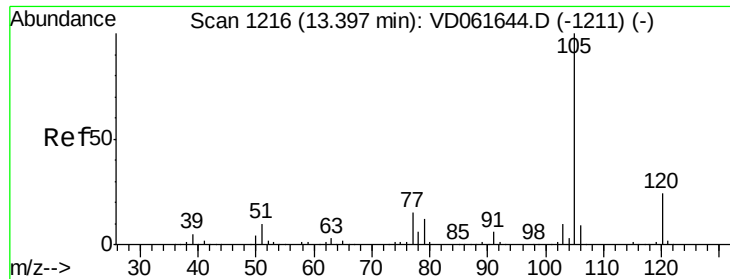
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	26.4	79.2
150	160.3	0.0	320.6





#73

Isopropylbenzene

Concen: 50.588 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1421989

Ion Ratio Lower Upper

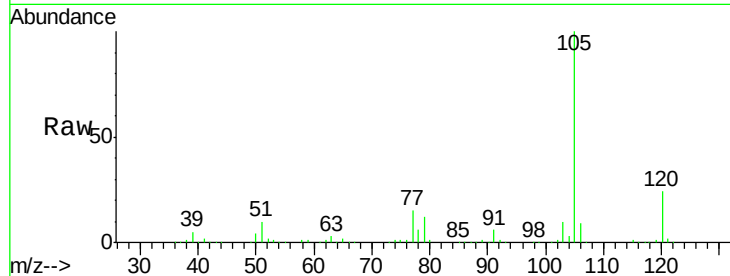
105 100

120 24.3 12.2 36.4

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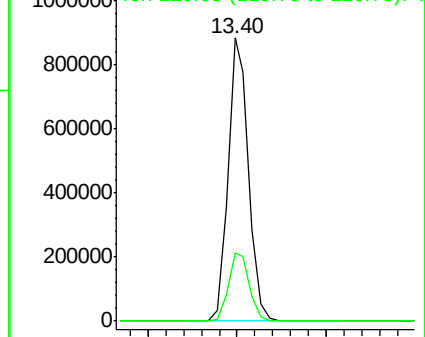
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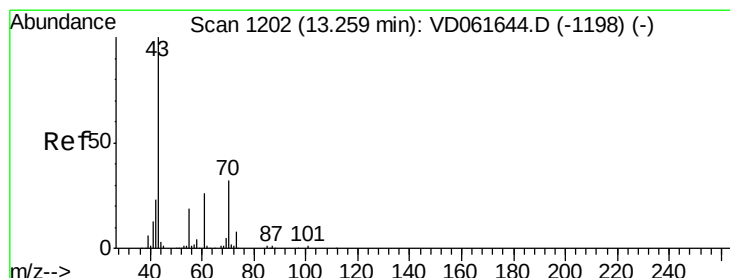
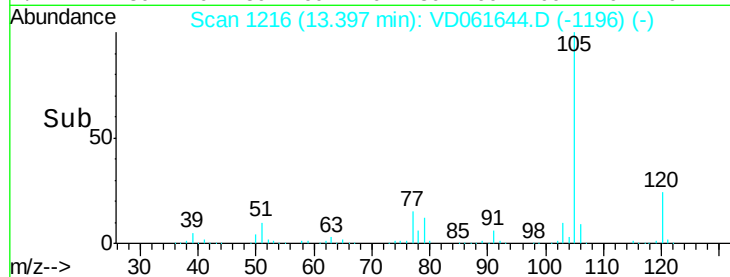


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 56.657 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion: 43 Resp: 430427

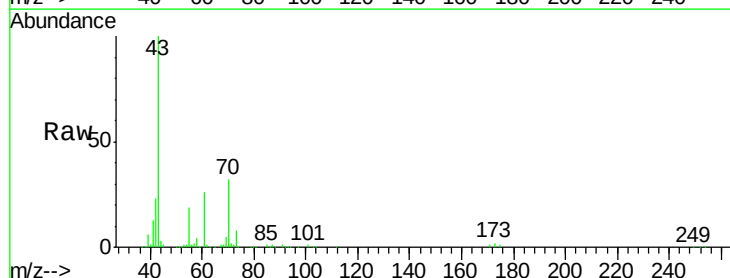
Ion Ratio Lower Upper

43 100

70 31.8 25.4 38.2

55 18.7 15.0 22.4

61 26.1 20.9 31.3

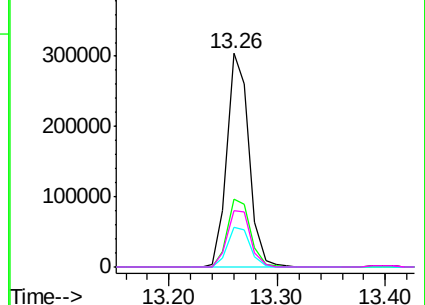


Abundance Ion 42.95 (42.65 to 43.65): VDC

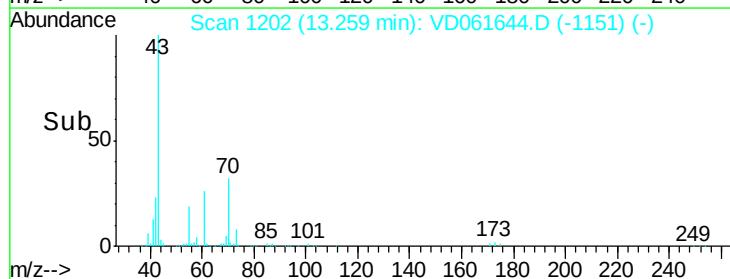
Ion 70.00 (69.70 to 70.70): VDC

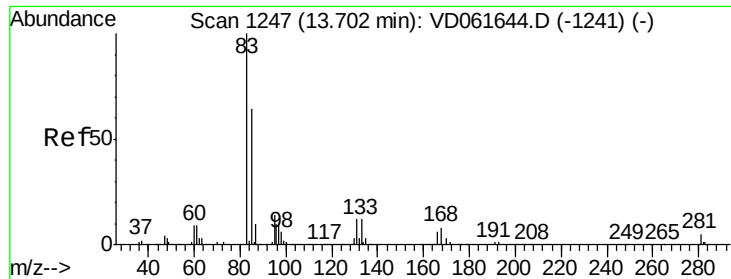
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 55.388 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

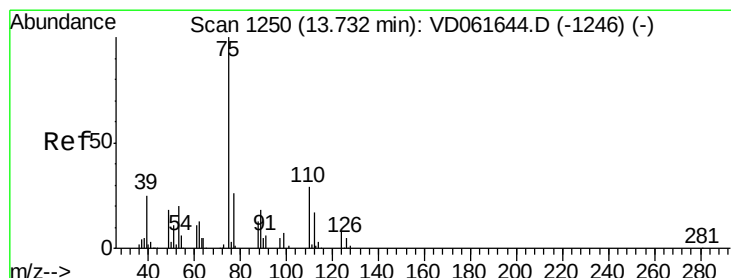
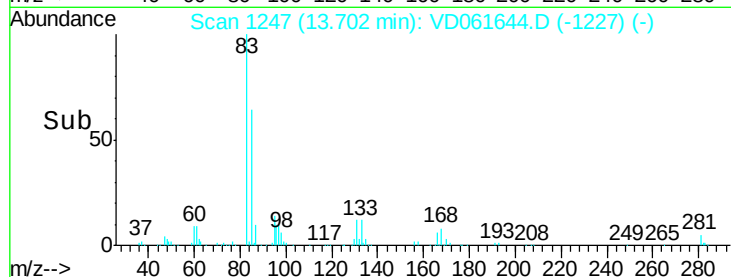
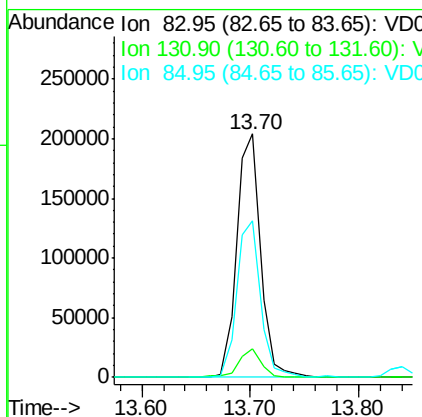
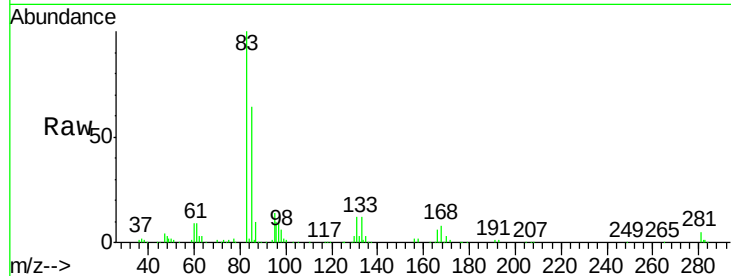
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	311324
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.6
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.544 ug/l

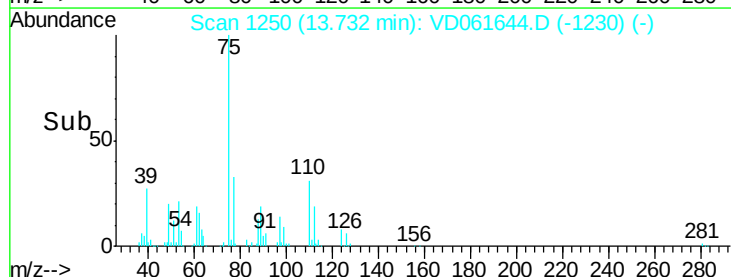
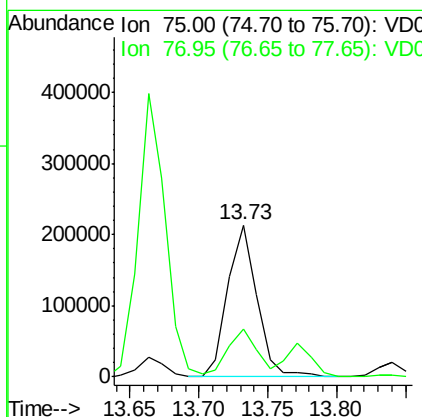
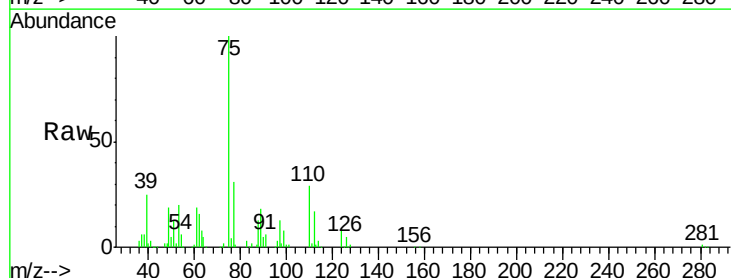
RT: 13.73 min Scan# 1250

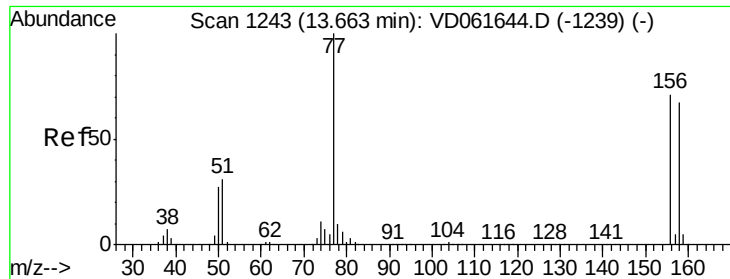
Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Tgt Ion:	75	Resp:	316892
Ion Ratio	Lower	Upper	
75	100		
77	31.4	15.7	47.1





#77

Bromobenzene

Concen: 54.065 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 445240

Ion Ratio Lower Upper

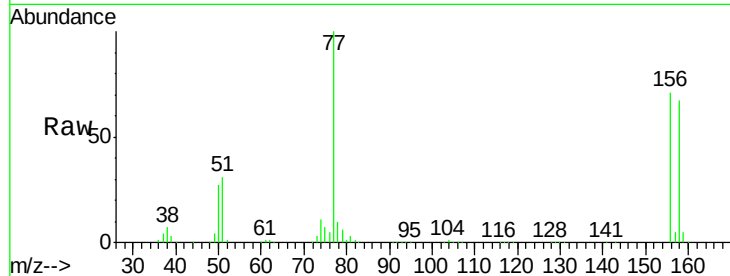
156 100

77 140.5 70.3 210.8

158 94.8 47.4 142.2

Manual Integrations
APPROVED

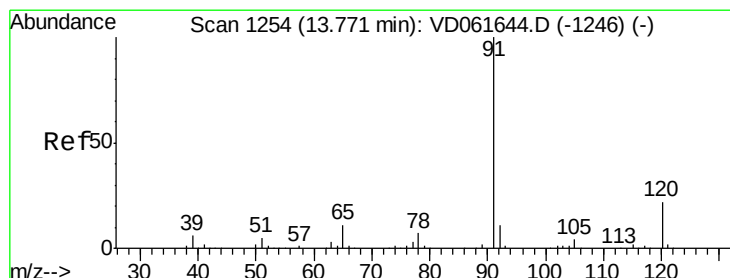
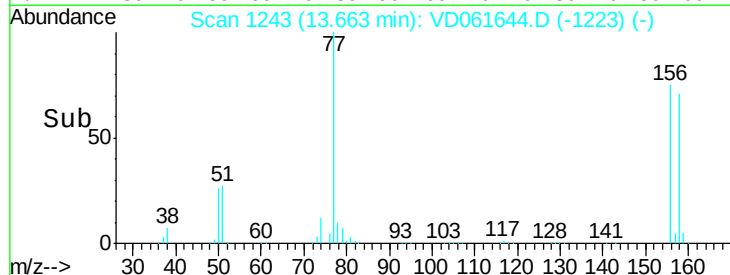
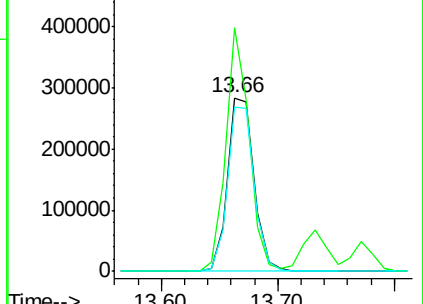
MMDadoda
4/11/2019 2:57:31 AM



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: 50.499 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061644.D

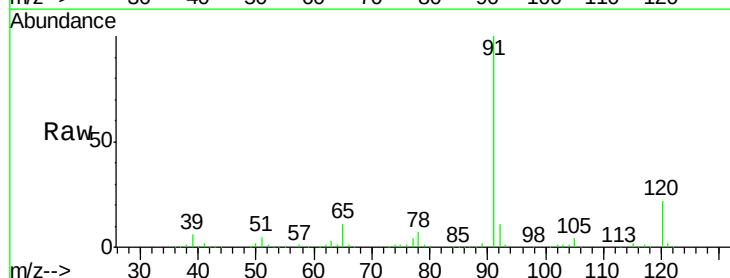
Acq: 6 Apr 2019 15:39

Tgt Ion: 91 Resp: 1669732

Ion Ratio Lower Upper

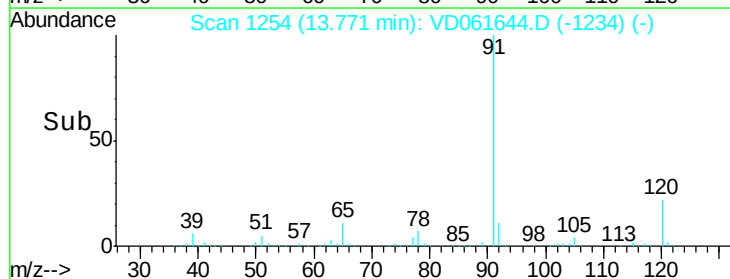
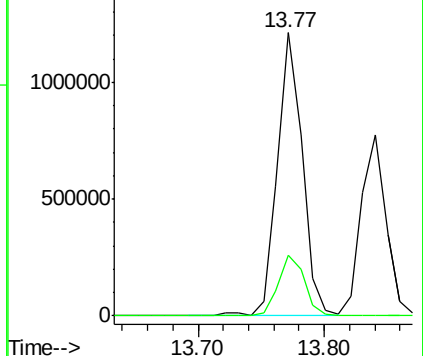
91 100

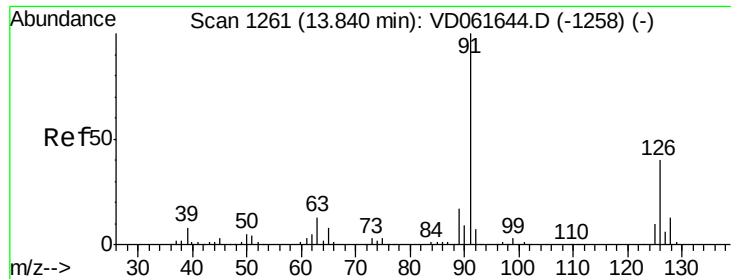
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.584 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1069856

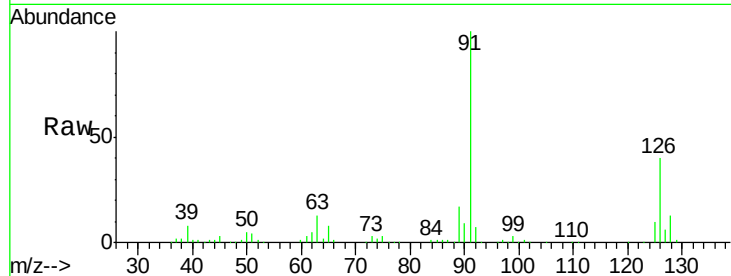
Ion Ratio Lower Upper

91 100

126 39.9 20.0 59.9

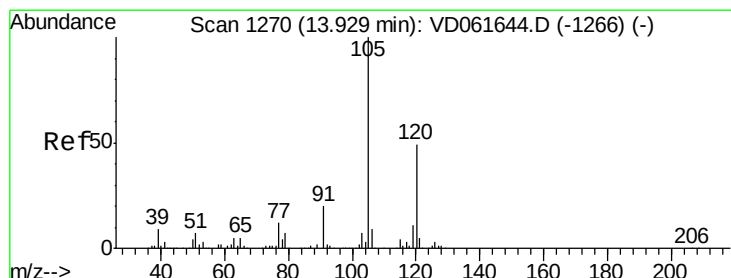
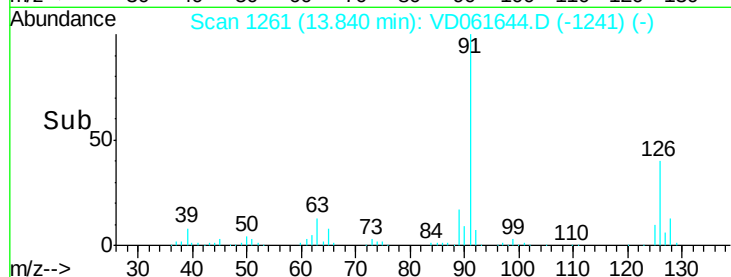
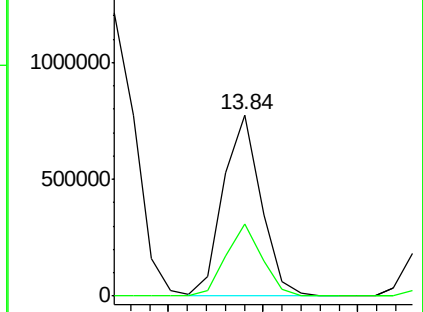
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.925 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061644.D

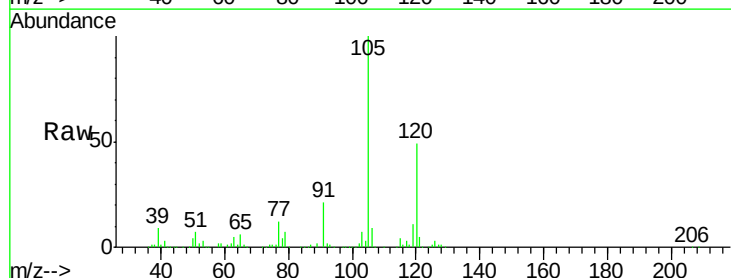
Acq: 6 Apr 2019 15:39

Tgt Ion:105 Resp: 1167567

Ion Ratio Lower Upper

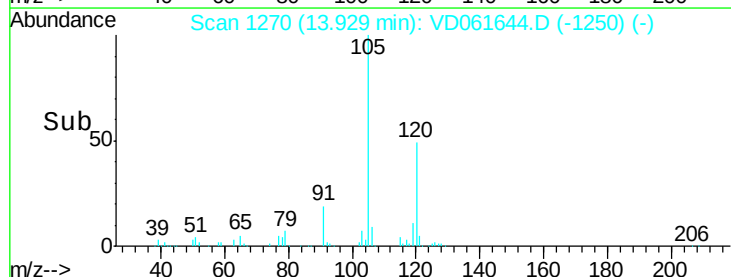
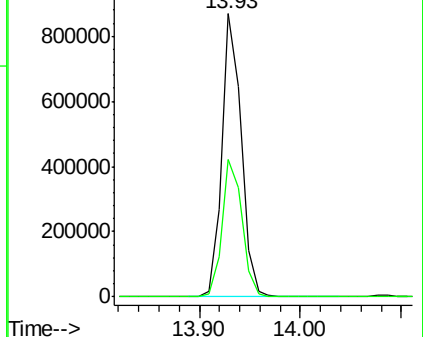
105 100

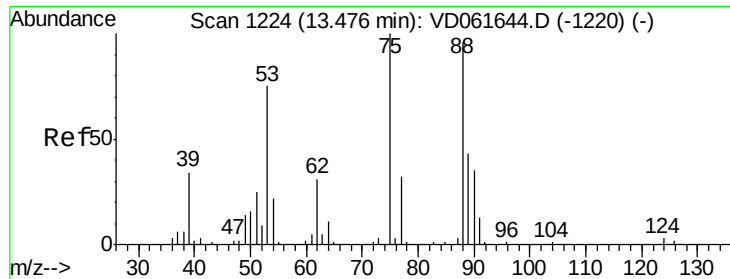
120 48.8 24.4 73.2



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

Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





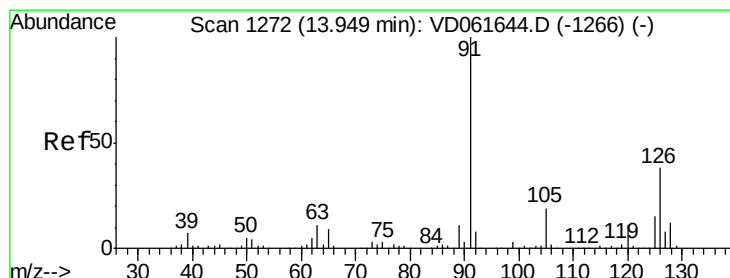
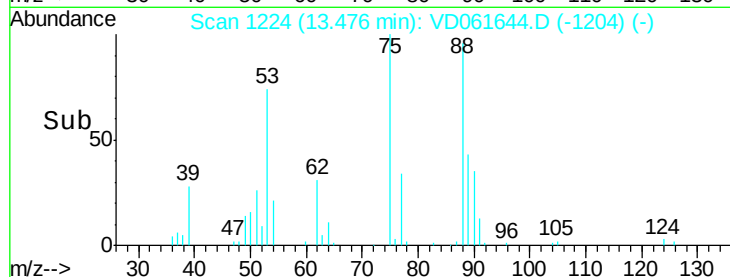
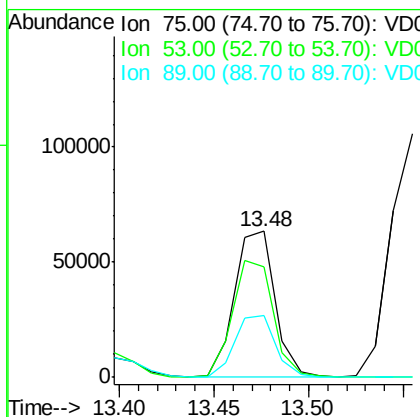
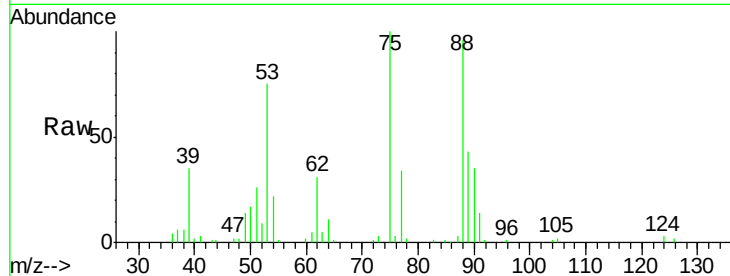
#81
trans-1,4-Dichloro-2-butene
Concen: 54.397 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.2	60.2	90.2
89	42.7	34.2	51.2

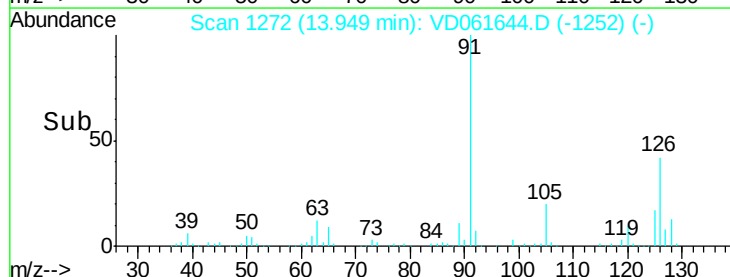
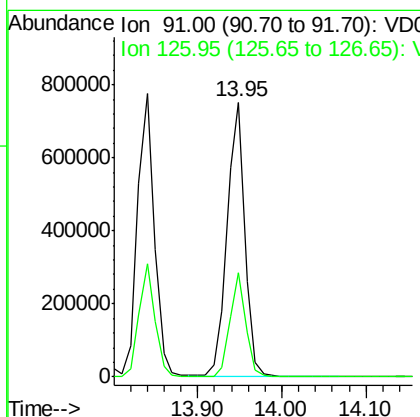
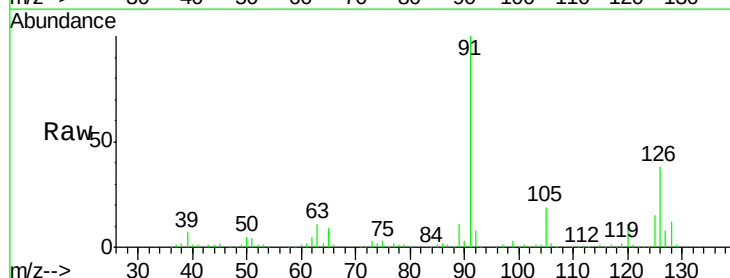
Manual Integrations
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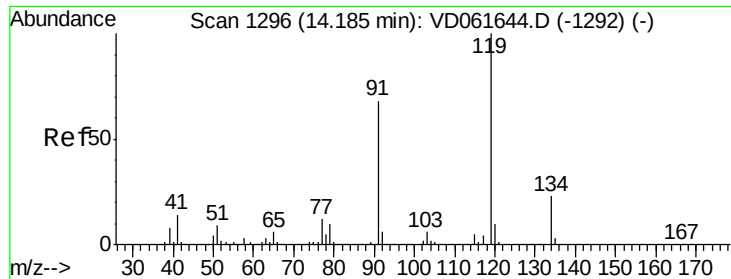
MMDadoda
4/11/2019 2:57:31 AM



#82
4-Chlorotoluene
Concen: 53.028 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.0	19.0	57.0





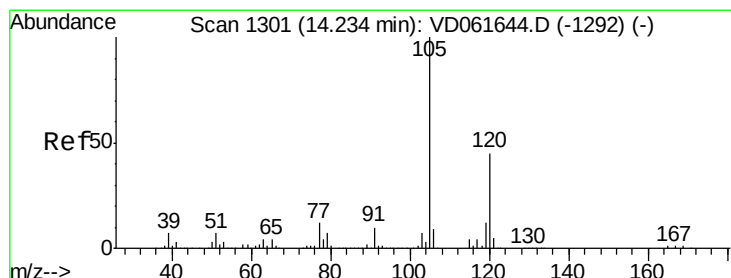
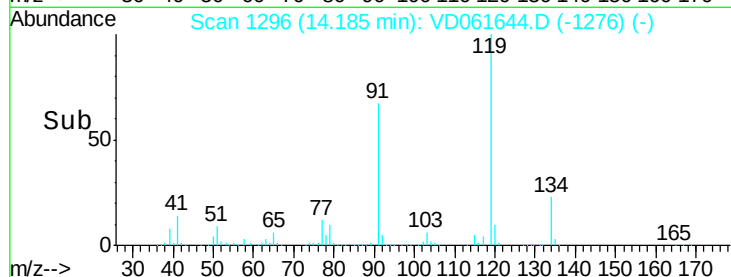
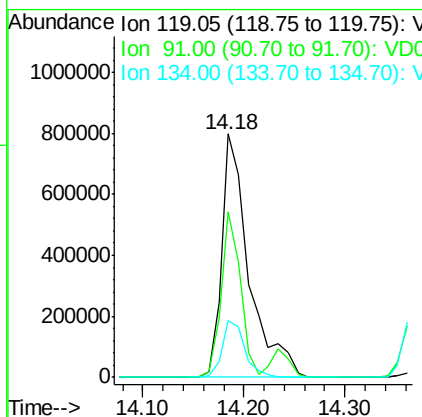
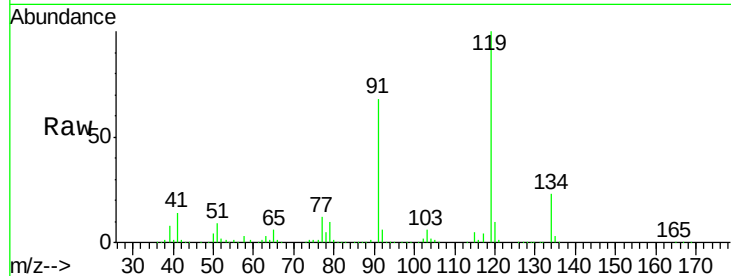
#83
 tert-Butylbenzene
 Concen: 56.927 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1502486
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.9 101.6
 134 23.2 11.6 34.8

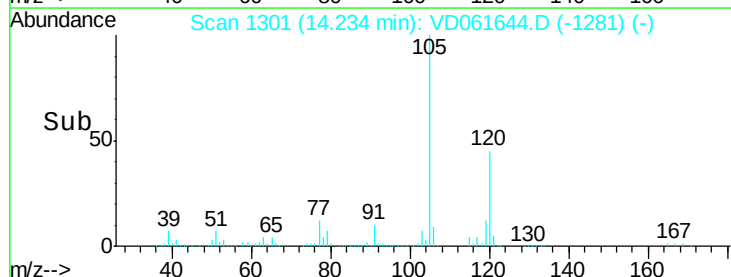
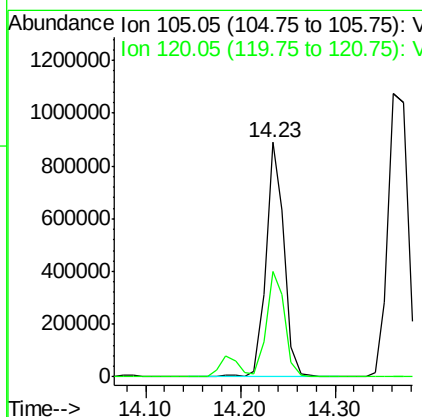
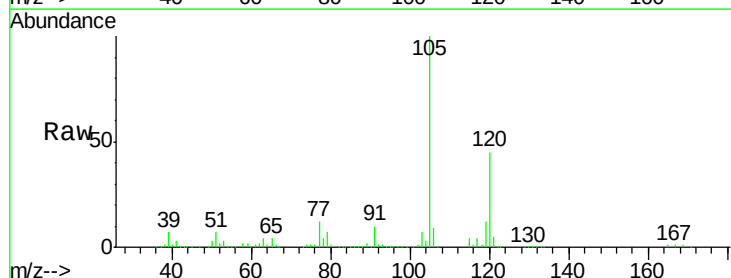
Manual Integrations
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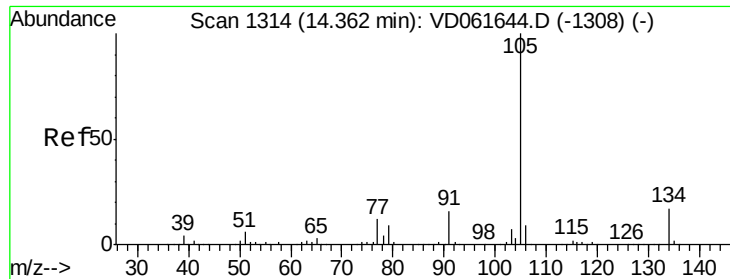
MMDadoda
 4/11/2019 2:57:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.206 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion:105 Resp: 1183504
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8





#85

sec-Butylbenzene

Concen: 55.638 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1568443

Ion Ratio Lower Upper

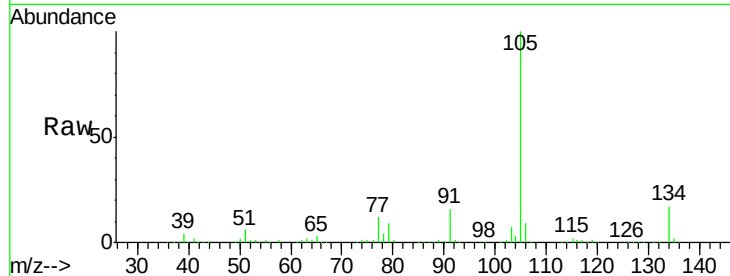
105 100

134 17.1 8.6 25.7

Manual Integrations
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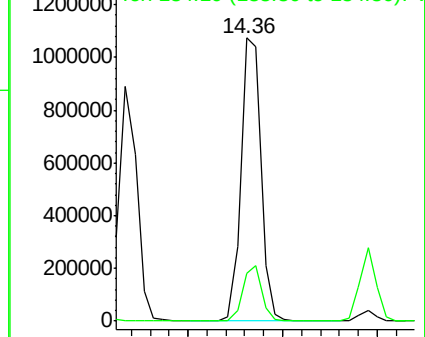
MMDadoda

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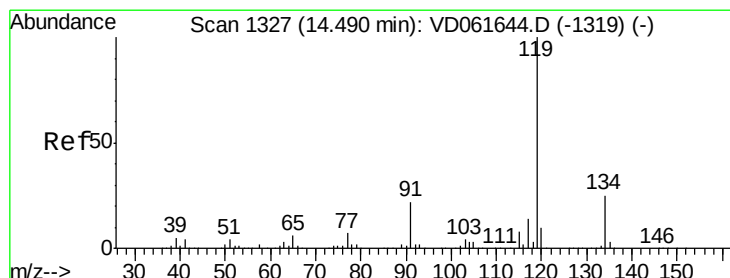
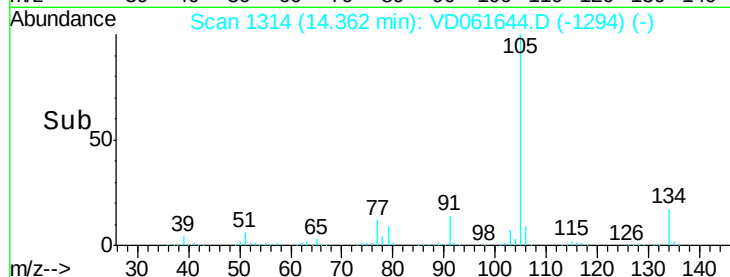


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



Time-->



#86

p-Isopropyltoluene

Concen: 52.391 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061644.D

Acq: 6 Apr 2019 15:39

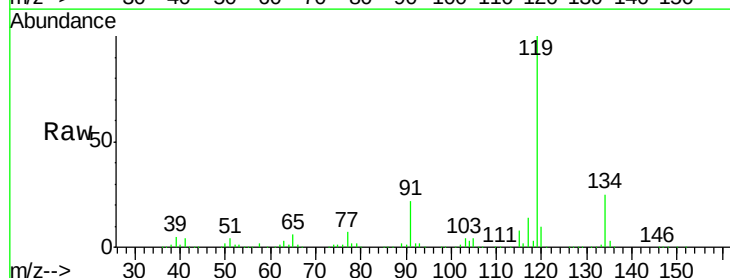
Tgt Ion:119 Resp: 1362517

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

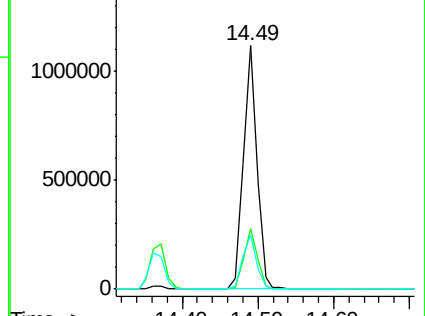
91 22.0 11.0 33.0



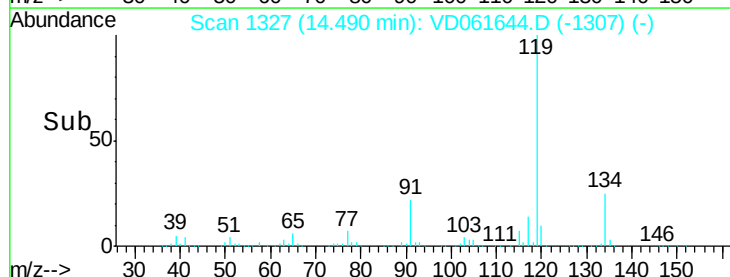
Abundance Ion 119.05 (118.75 to 119.75): V

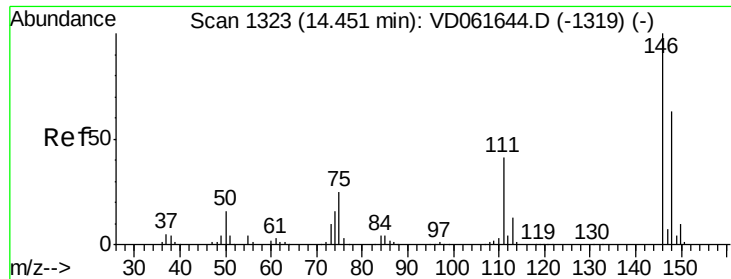
Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



Time-->





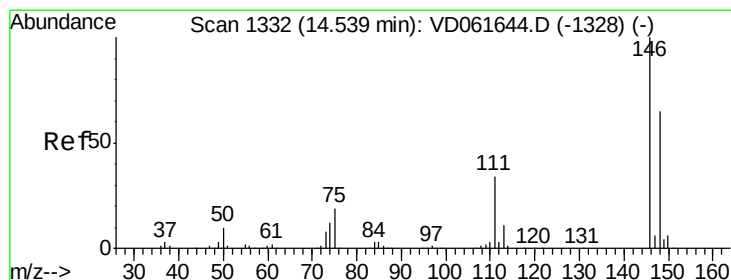
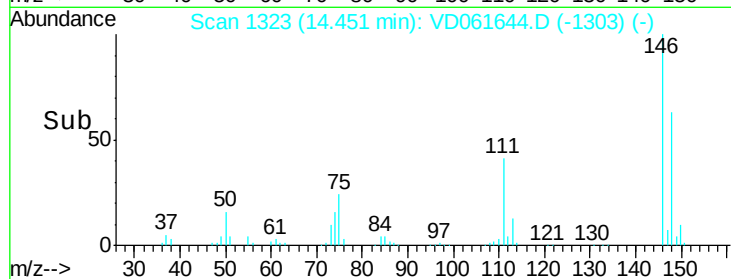
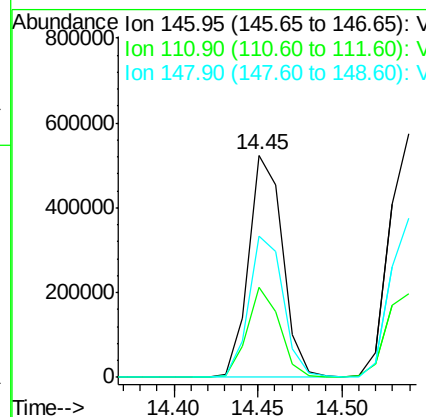
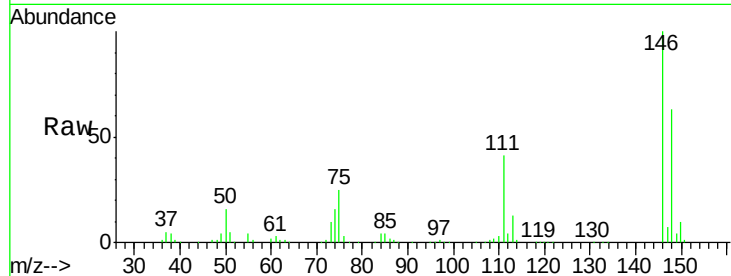
#87
 1,3-Dichlorobenzene
 Concen: 52.493 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.4	31.7	95.1

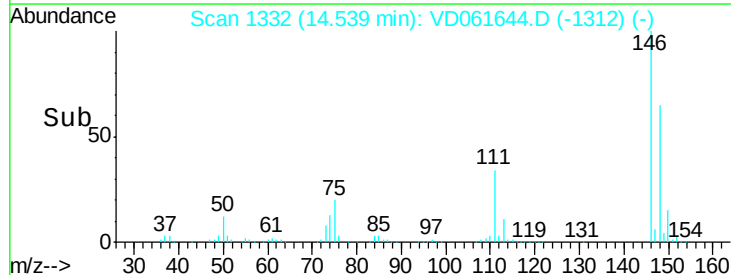
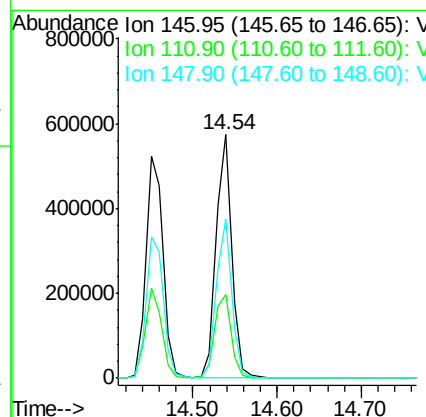
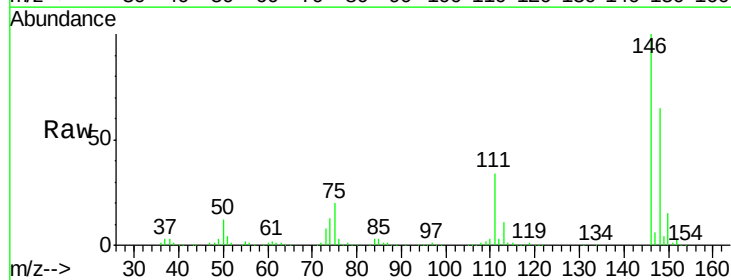
Manual Integrations
 APPROVED

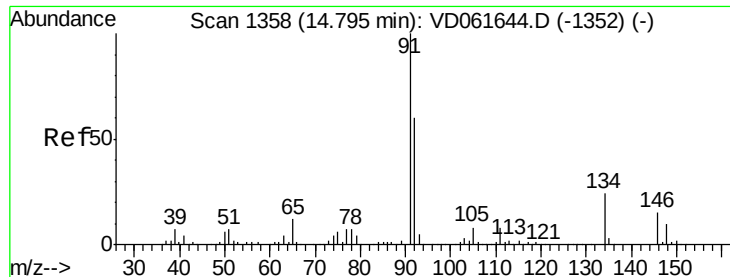
MMDadoda
 4/11/2019 2:57:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.370 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	17.1	51.2
148	65.1	32.6	97.7





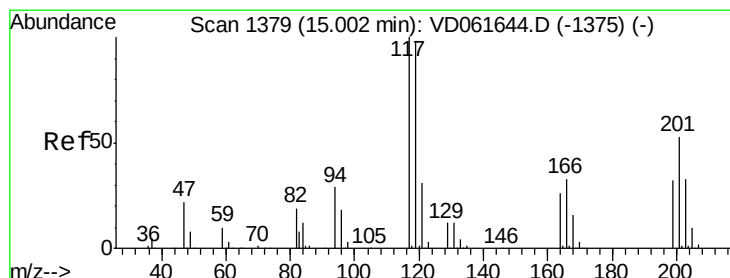
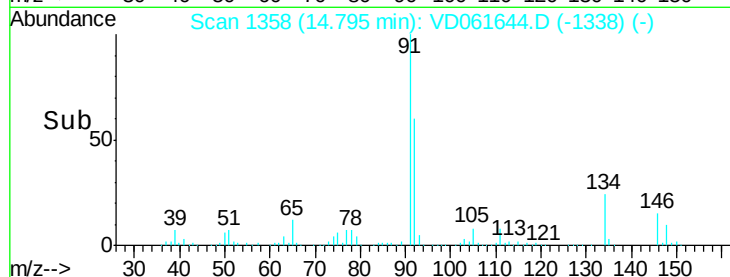
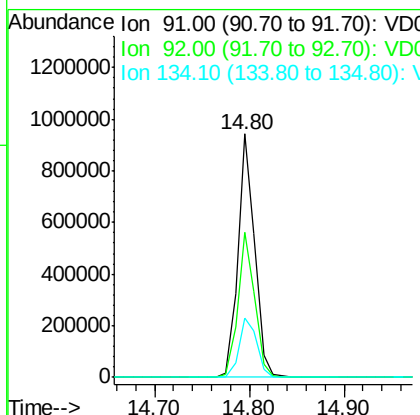
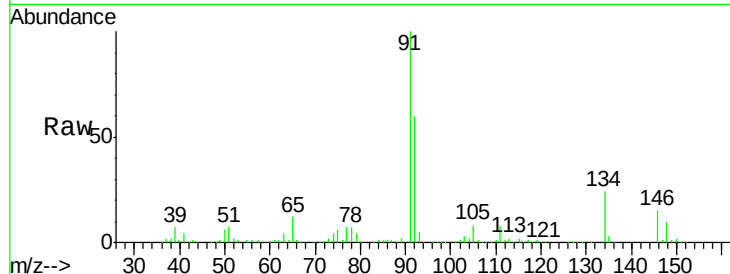
#89
n-Butylbenzene
Concen: 51.678 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1153803
Ion Ratio Lower Upper
91 100
92 59.6 29.8 89.4
134 24.3 12.2 36.4

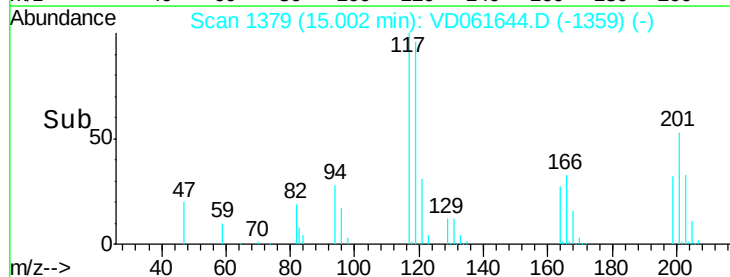
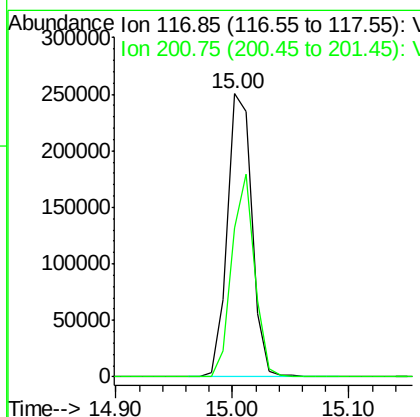
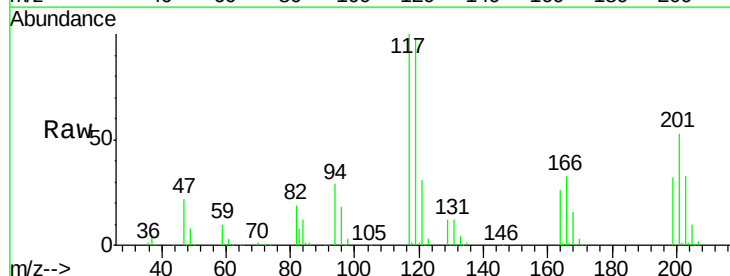
Manual Integrations
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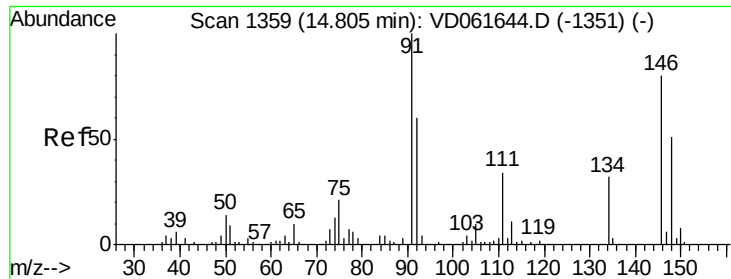
MMDadoda
4/11/2019 2:57:31 AM



#90
Hexachloroethane
Concen: 54.740 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion: 117 Resp: 367467
Ion Ratio Lower Upper
117 100
201 52.5 26.3 78.8





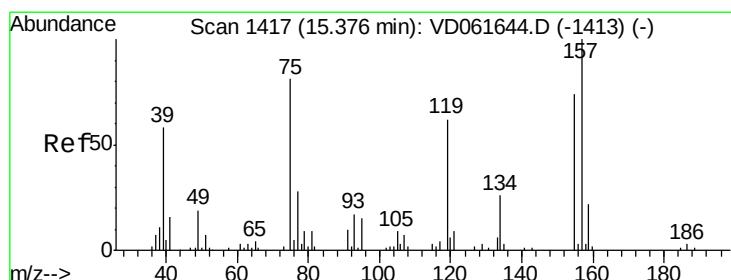
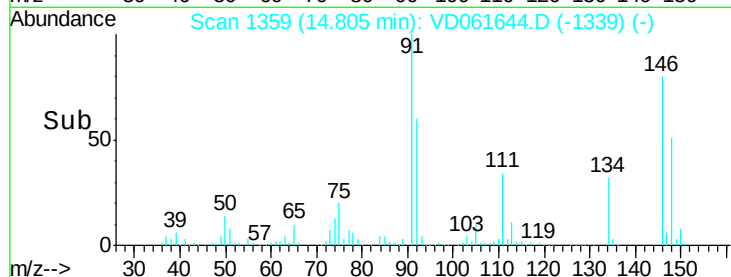
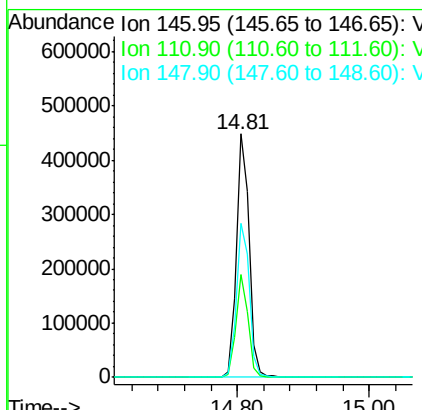
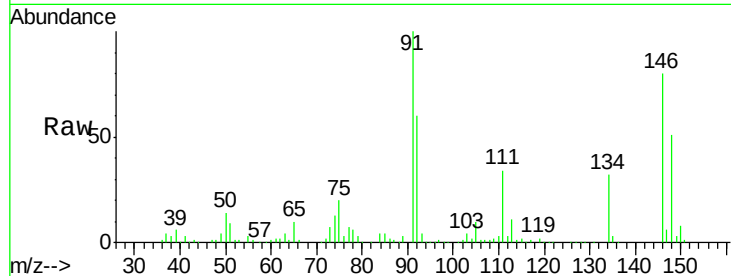
#91
 1,2-Dichlorobenzene
 Concen: 53.151 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.4	31.7	95.1

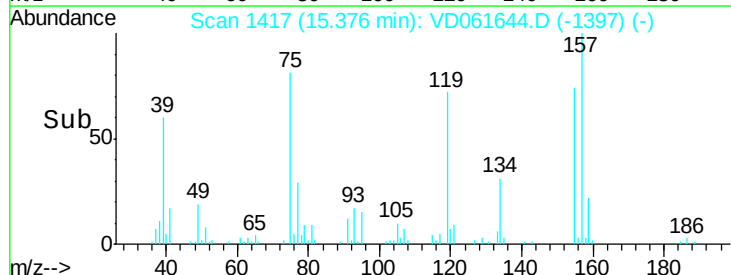
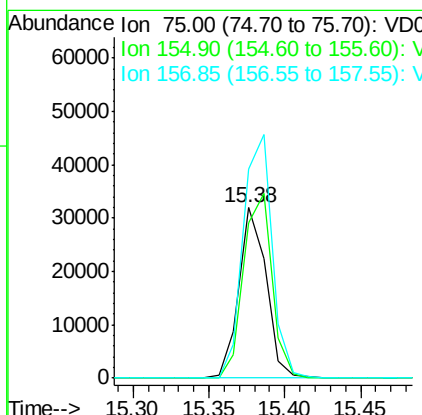
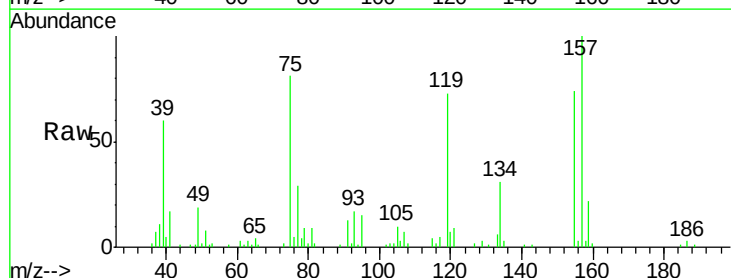
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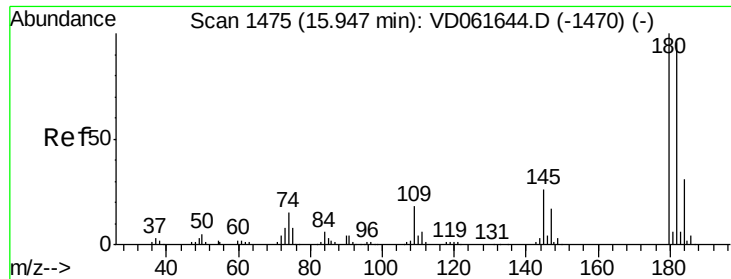
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.917 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	45.6	136.7
157	122.8	61.4	184.2





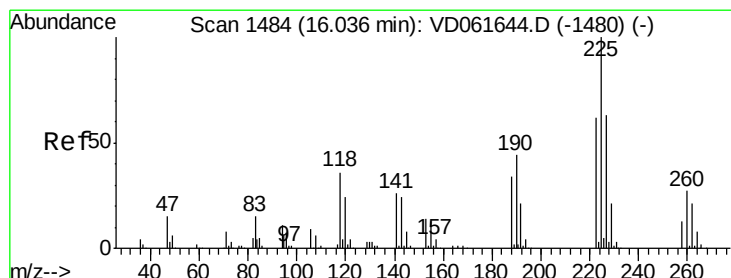
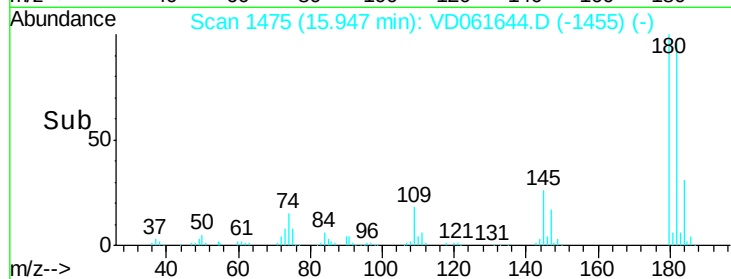
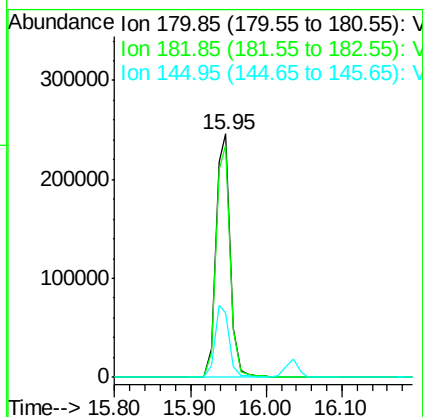
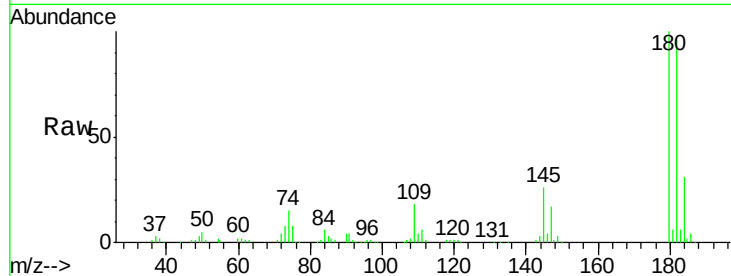
#93
 1,2,4-Trichlorobenzene
 Concen: 57.123 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	332364		
182	95.5	47.8	143.3	
145	26.5	13.3	39.8	

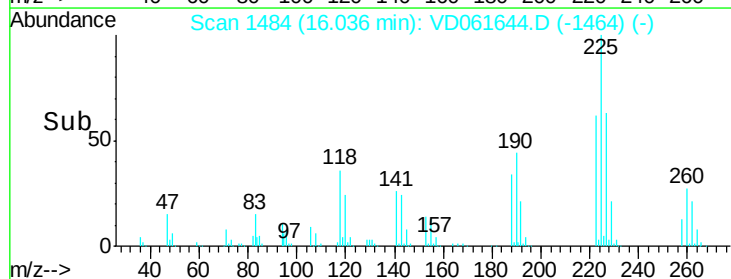
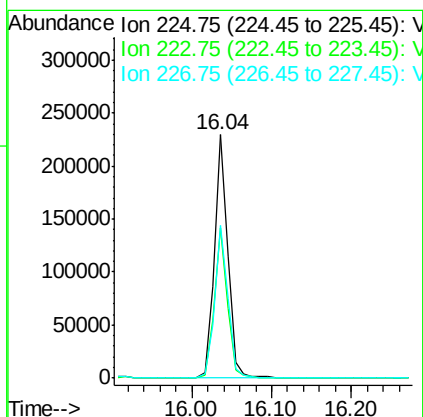
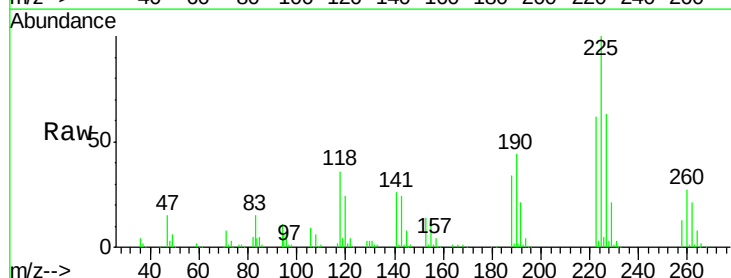
Manual Integrations
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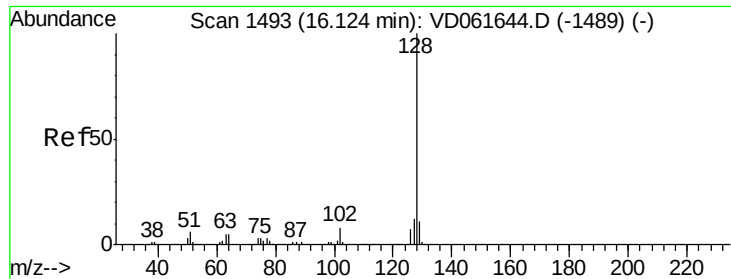
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 4/11/2019 2:57:31 AM



#94
 Hexachlorobutadiene
 Concen: 60.956 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061644.D
 Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	272907		
223	61.5	30.8	92.3	
227	63.0	31.5	94.5	





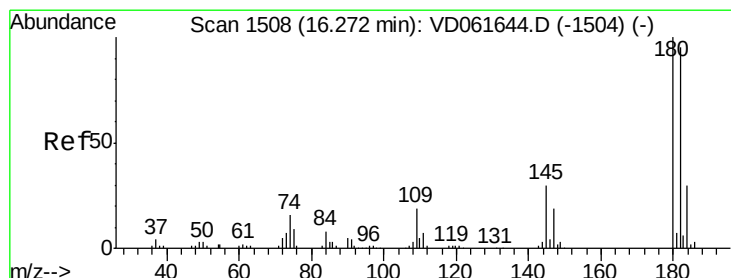
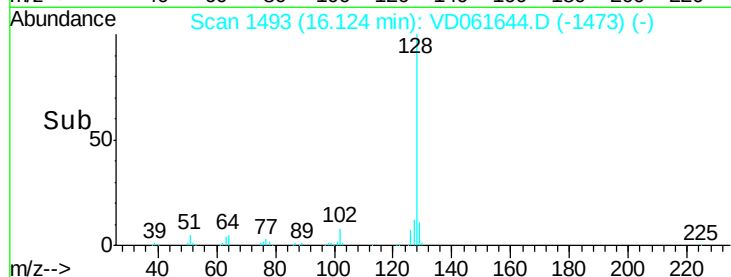
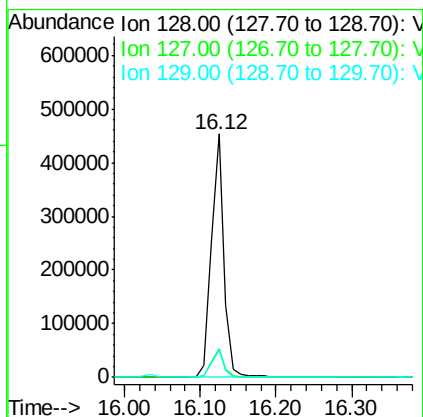
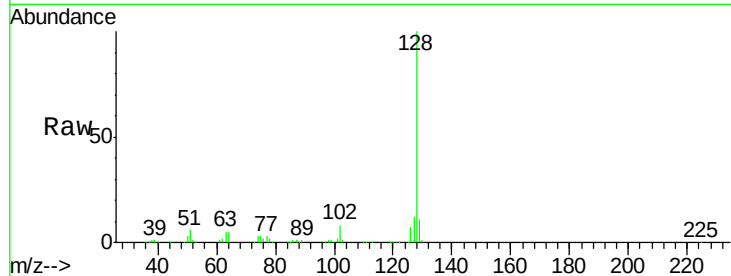
#95
Naphthalene
Concen: 58.201 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.4	14.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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4/11/2019 2:57:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 62.847 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061644.D
Acq: 6 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	30.2	15.1	45.3

