

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054949.D
 Acq On : 4 Apr 2019 15:59
 Operator : JC/SP
 Sample : VN0404WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:28 PM

Quant Time: Apr 05 03:43:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	416896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	703058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287958	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.59	113	227728	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.09	98	851051	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	274177	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108595	21.784	ug/l	100
3) Chloromethane	2.06	50	134565	20.416	ug/l	99
4) Vinyl Chloride	2.19	62	119320	20.720	ug/l	100
5) Bromomethane	2.58	94	66350	20.184	ug/l	98
6) Chloroethane	2.71	64	64839	20.187	ug/l	99
7) Trichlorofluoromethane	3.02	101	145740	20.843	ug/l	96
8) Diethyl Ether	3.41	74	47099	21.150	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76173	20.562	ug/l	99
10) Methyl Iodide	3.95	142	102154	19.563	ug/l	100
11) Tert butyl alcohol	4.83	59	30908	108.966	ug/l	97
12) 1,1-Dichloroethene	3.73	96	75349	20.504	ug/l	99
13) Acrolein	3.61	56	45285	107.766	ug/l	99
14) Allyl chloride	4.32	41	171937	21.081	ug/l	99
15) Acrylonitrile	5.00	53	181785	106.873	ug/l	99
16) Acetone	3.82	43	139521	87.320	ug/l	99
17) Carbon Disulfide	4.04	76	236655	20.231	ug/l	99
18) Methyl Acetate	4.33	43	83011	22.330	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	251367	21.089	ug/l	97
20) Methylene Chloride	4.55	84	103566	20.301	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	94174	20.519	ug/l	97
22) Diisopropyl ether	5.96	45	352346	21.035	ug/l	97
23) Vinyl Acetate	5.90	43	1251430	107.366	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191699	20.986	ug/l	99
25) 2-Butanone	6.85	43	221406	107.272	ug/l	98
26) 2,2-Dichloropropane	6.82	77	128252	20.028	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	107363	20.622	ug/l	99
28) Bromochloromethane	7.19	49	89107	20.823	ug/l	100
29) Tetrahydrofuran	7.22	42	149993	110.873	ug/l	100
30) Chloroform	7.37	83	181232	20.935	ug/l	99
31) Cyclohexane	7.65	56	188019	20.809	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151680	20.763	ug/l	97
36) 1,1-Dichloropropene	7.79	75	134234	19.269	ug/l	99
37) Ethyl Acetate	6.94	43	102519	21.445	ug/l	99
38) Carbon Tetrachloride	7.77	117	127121	18.896	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153574	20.039	ug/l	96
40) Benzene	8.04	78	401099	20.010	ug/l	99
41) Methacrylonitrile	7.18	41	59093	21.618	ug/l	95
42) 1,2-Dichloroethane	8.13	62	143399	20.358	ug/l	98
43) Isopropyl Acetate	8.17	43	168092	20.863	ug/l	99
44) Trichloroethene	8.83	130	105140	20.514	ug/l	97
45) 1,2-Dichloropropane	9.12	63	113648	20.348	ug/l	100
46) Dibromomethane	9.21	93	63690	20.109	ug/l	97
47) Bromodichloromethane	9.40	83	133525	20.072	ug/l	99
48) Methyl methacrylate	9.20	41	82711	20.279	ug/l	98
49) 1,4-Dioxane	9.20	88	17380	422.180	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	474930	105.665	ug/l	99
52) Toluene	10.16	92	240142	20.325	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	121356	18.952	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	153771	20.538	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	88622	20.688	ug/l	99
56) Ethyl methacrylate	10.43	69	111272	19.867	ug/l	97
57) 1,3-Dichloropropane	10.71	76	155925	20.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	223672	96.213	ug/l	99
59) 2-Hexanone	10.75	43	292562	104.210	ug/l	100
60) Dibromochloromethane	10.90	129	90551	20.180	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84887	21.075	ug/l	97
64) Tetrachloroethene	10.63	164	98486	20.338	ug/l	98
65) Chlorobenzene	11.43	112	254071	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95020	21.206	ug/l	98
67) Ethyl Benzene	11.51	91	450396	20.411	ug/l	99
68) m/p-Xylenes	11.62	106	334015	41.408	ug/l	100
69) o-Xylene	11.95	106	163543	20.786	ug/l	100
70) Styrene	11.96	104	265563	21.042	ug/l	100
71) Bromoform	12.13	173	53333	19.802	ug/l #	98
73) Isopropylbenzene	12.25	105	431213	19.757	ug/l	99
74) N-amyl acetate	12.07	43	129173	21.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106650	20.903	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88190m	19.950	ug/l	
77) Bromobenzene	12.53	156	104718	19.811	ug/l	98
78) n-propylbenzene	12.59	91	479918	19.958	ug/l	100
79) 2-Chlorotoluene	12.67	91	292809	19.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	360360	20.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21946	19.620	ug/l	98
82) 4-Chlorotoluene	12.77	91	286330	20.313	ug/l	98
83) tert-Butylbenzene	12.99	119	299141	19.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348674	20.105	ug/l	99
85) sec-Butylbenzene	13.17	105	393567	19.955	ug/l	100
86) p-Isopropyltoluene	13.29	119	343490	20.213	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	176027	20.020	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	169859	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	266498	19.623	ug/l	99
90) Hexachloroethane	13.87	117	56103	19.654	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	172451	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15143	20.269	ug/l	97

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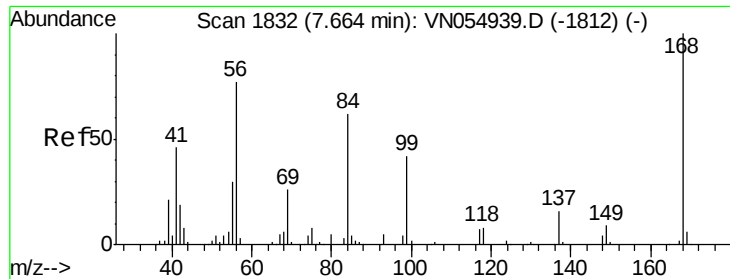
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80229	19.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	55245	19.129	ug/l	97
95) Naphthalene	15.13	128	166686	18.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	78320	19.756	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 168 Resp: 416896

Ion Ratio Lower Upper

168 100

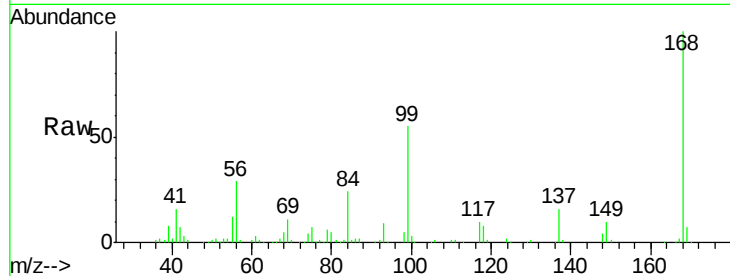
99 53.7 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

200000

150000

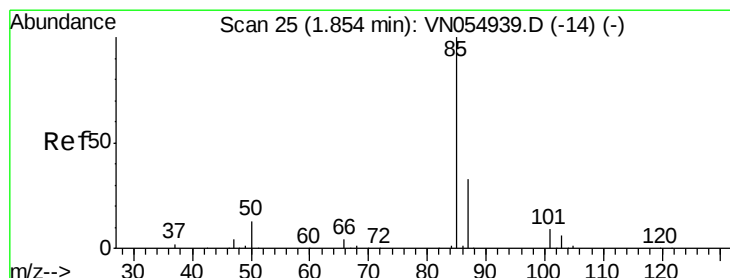
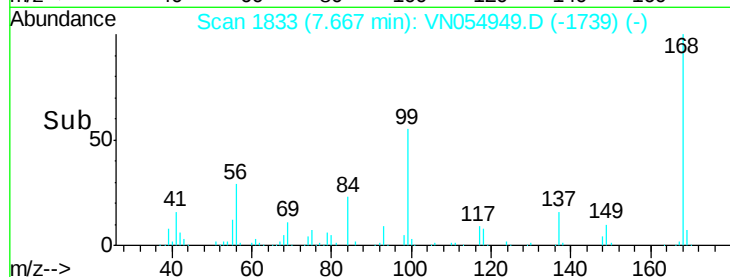
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.784 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054949.D

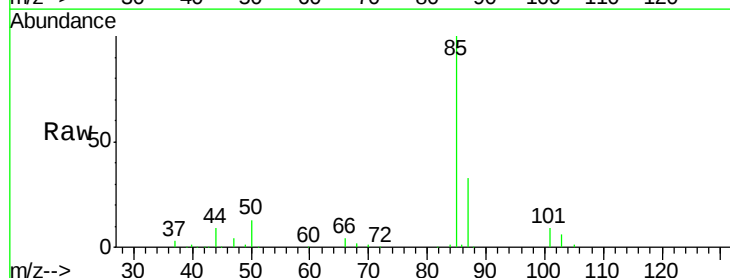
Acq: 4 Apr 2019 15:59

Tgt Ion: 85 Resp: 108595

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

80000

60000

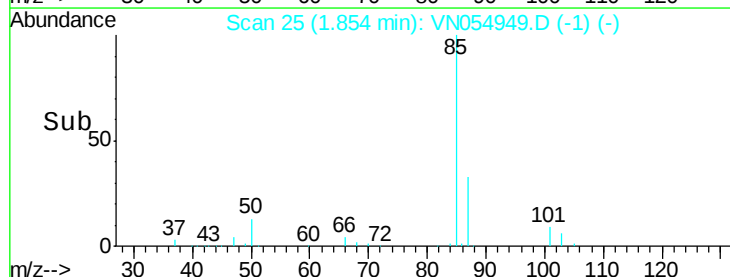
40000

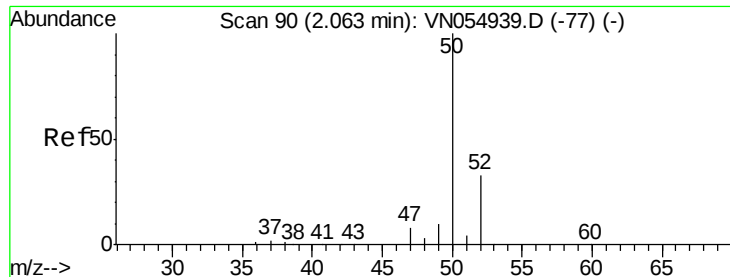
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.416 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 50 Resp: 134565

Ion Ratio Lower Upper

50 100

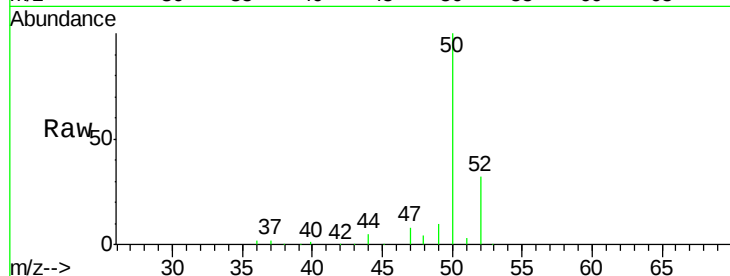
52 32.0 26.2 39.4

Manual Integrations

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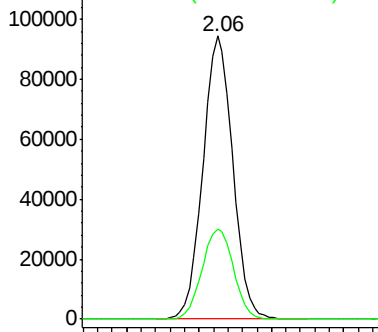
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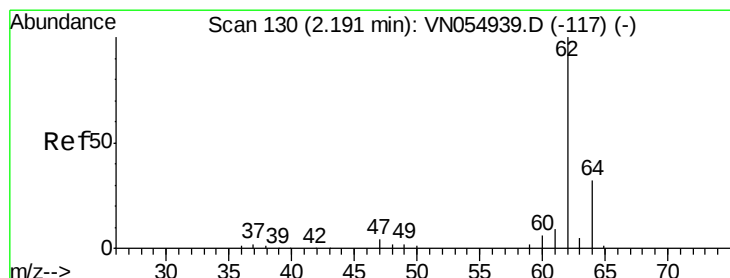
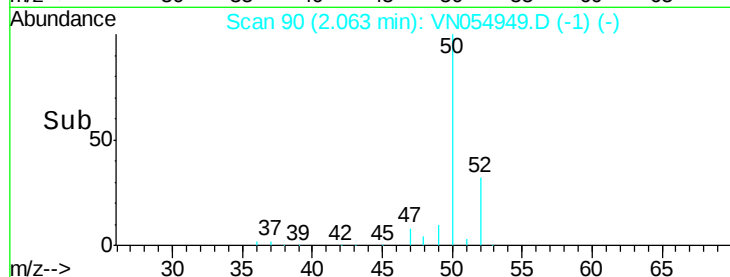


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 20.720 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054949.D

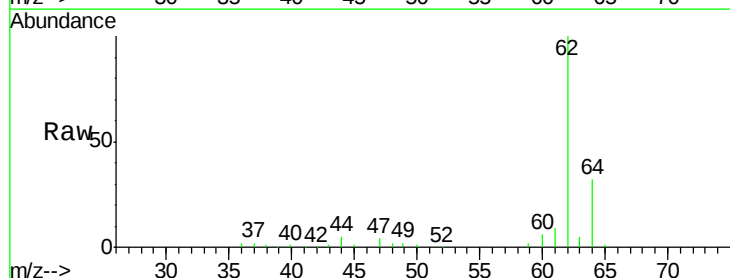
Acq: 4 Apr 2019 15:59

Tgt Ion: 62 Resp: 119320

Ion Ratio Lower Upper

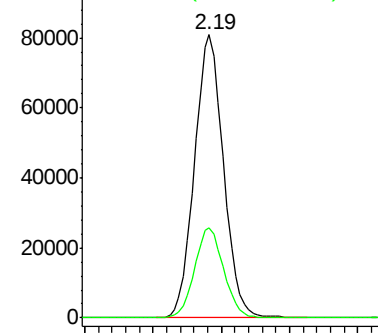
62 100

64 32.0 25.5 38.3

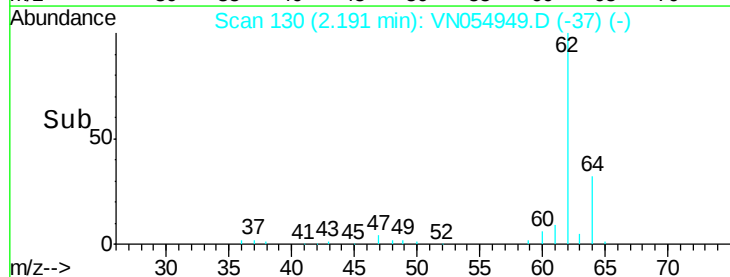


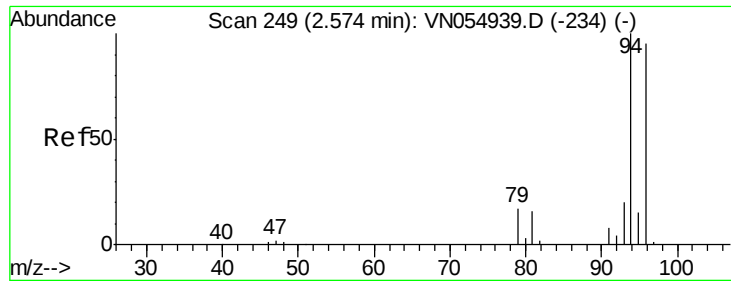
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 20.184 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

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ClientSampleId :

VN0404WBSD01

Tgt Ion: 94 Resp: 66350

Ion Ratio Lower Upper

94 100

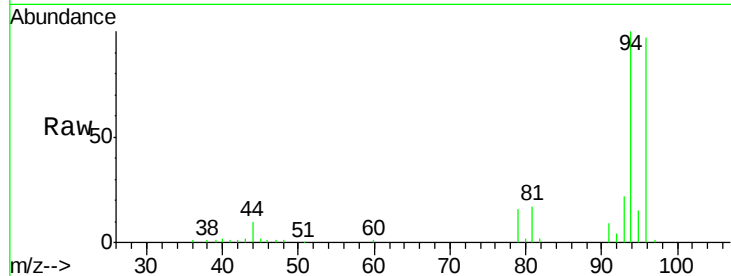
96 96.6 75.7 113.5

Manual Integrations

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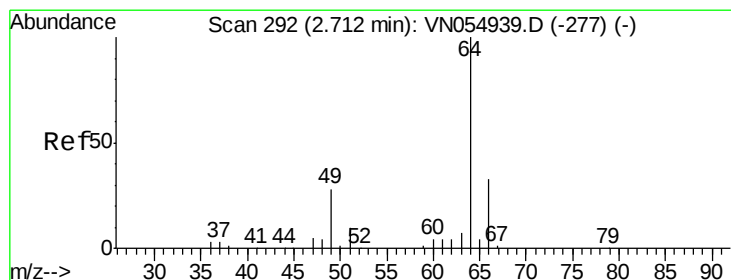
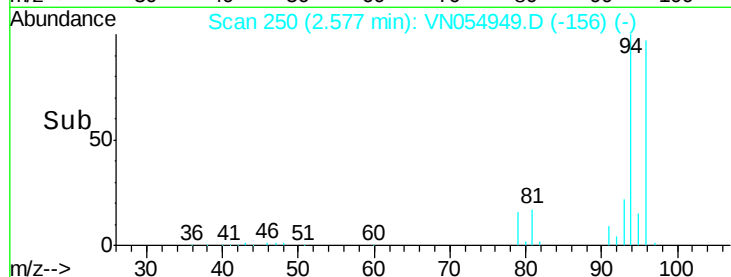
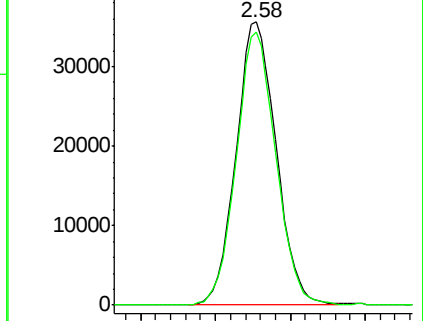
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.187 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054949.D

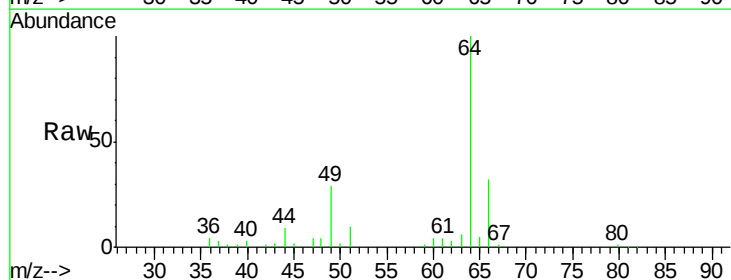
Acq: 4 Apr 2019 15:59

Tgt Ion: 64 Resp: 64839

Ion Ratio Lower Upper

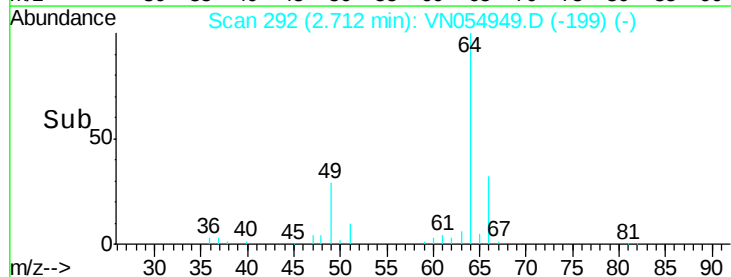
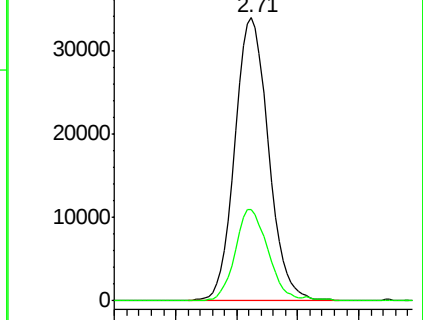
64 100

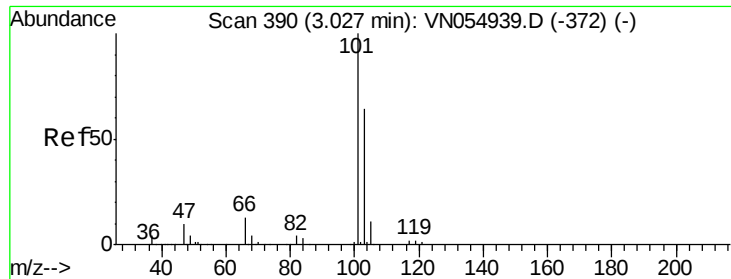
66 32.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

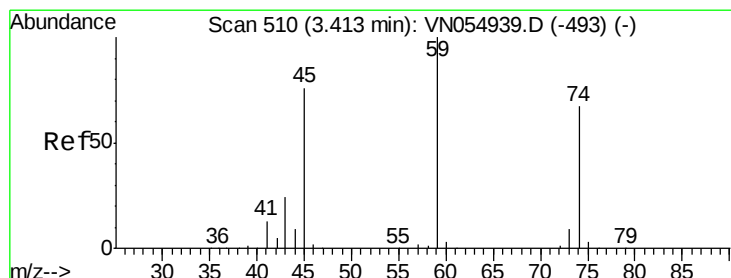
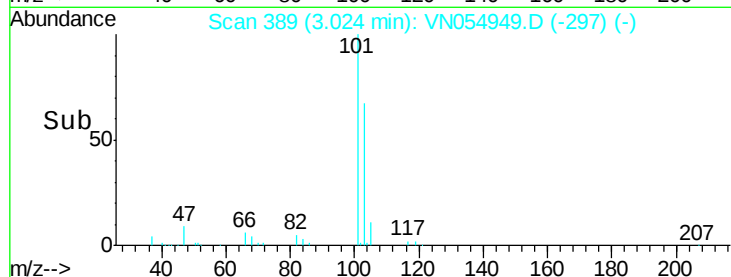
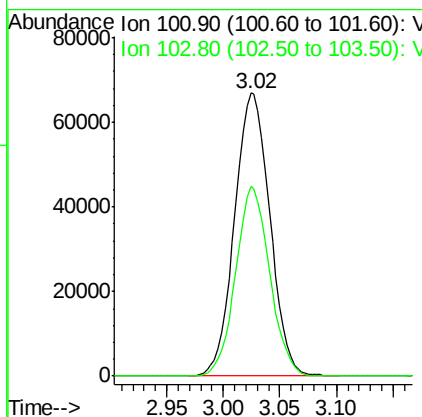
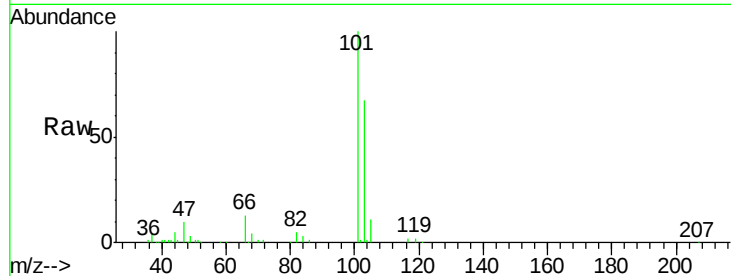
Trichlorofluoromethane
 Concen: 20.843 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.3	76.9

Manual Integrations
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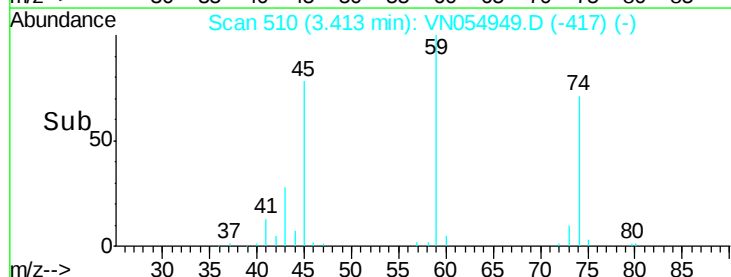
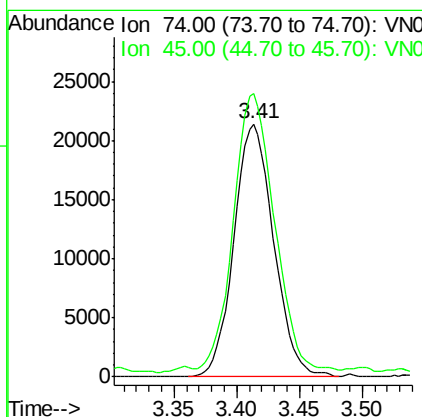
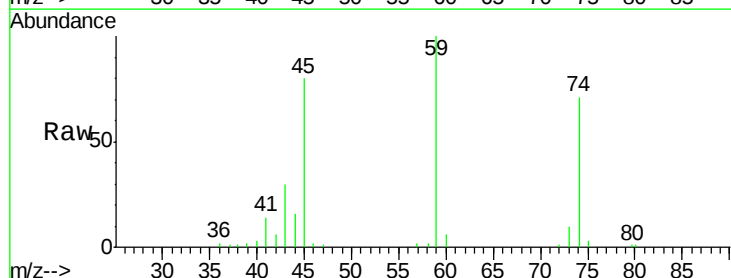
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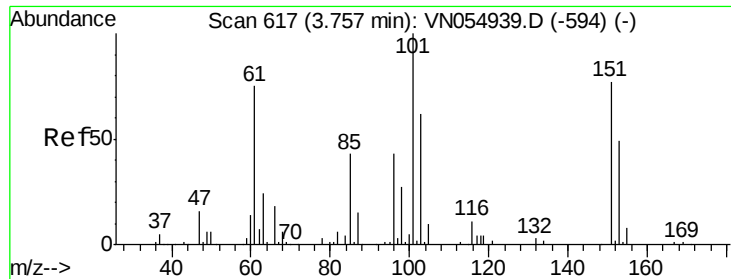


#8

Diethyl Ether
 Concen: 21.150 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.9	56.3	168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

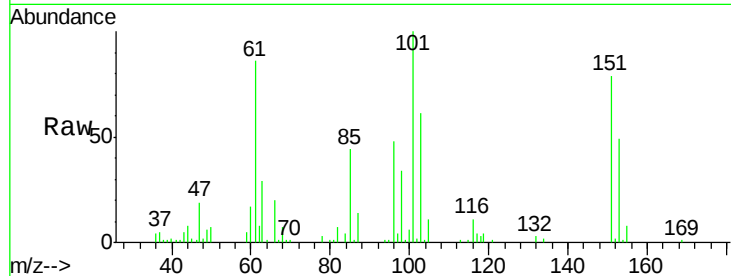
ClientSampleId :

VN0404WBSD01

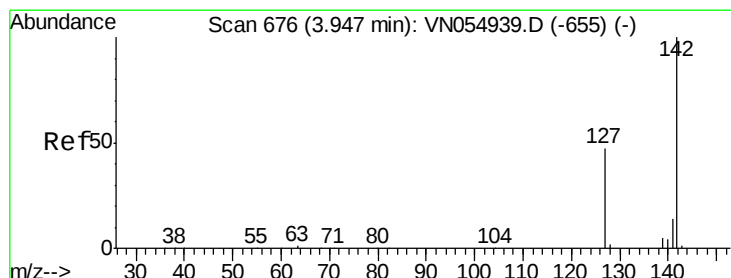
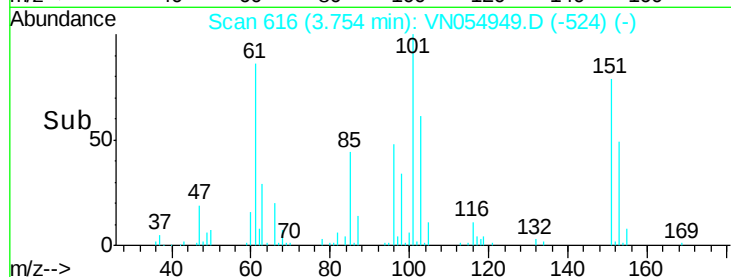
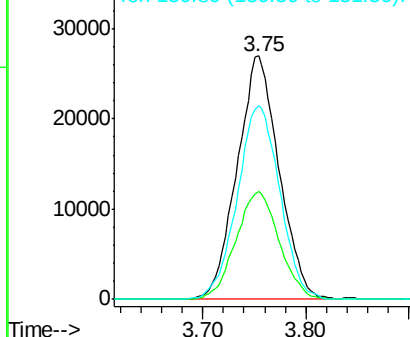
Tgt Ion:	101	Resp:	76173
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.2	54.2
151	80.6	63.4	95.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.563 ug/l

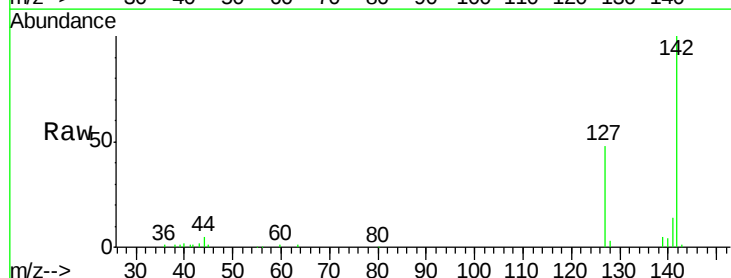
RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

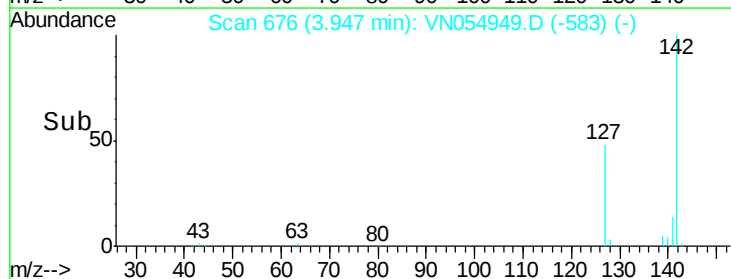
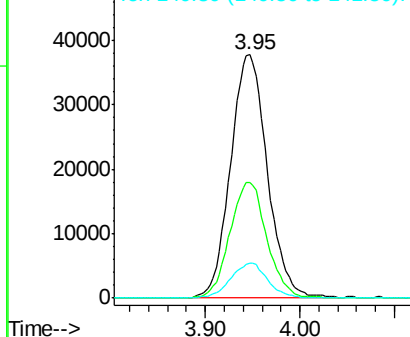
Lab File: VN054949.D

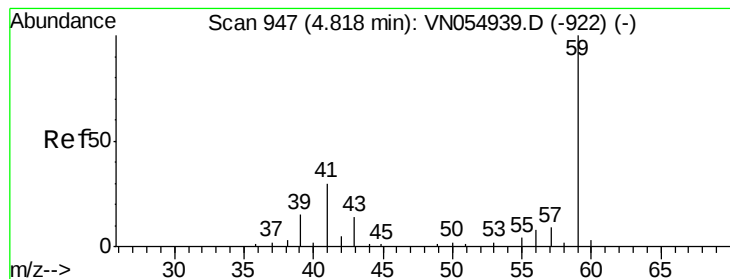
Acq: 4 Apr 2019 15:59

Tgt Ion:	142	Resp:	102154
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.0	57.0
141	14.3	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

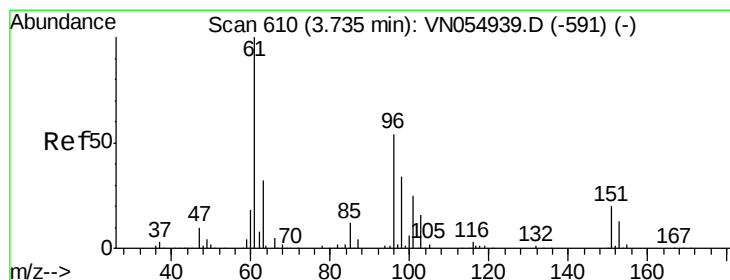
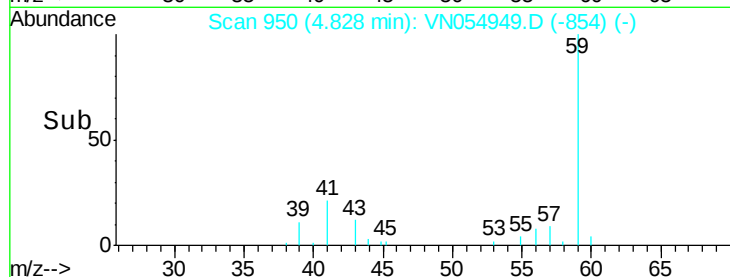
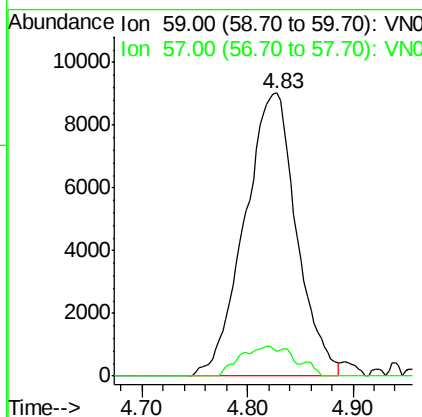
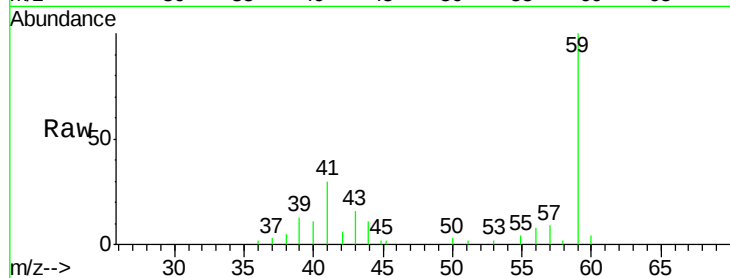
Tert butyl alcohol
 Concen: 108.966 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.2	5.0	7.4

Manual Integrations
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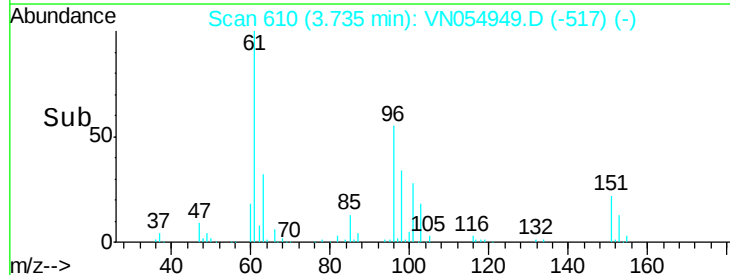
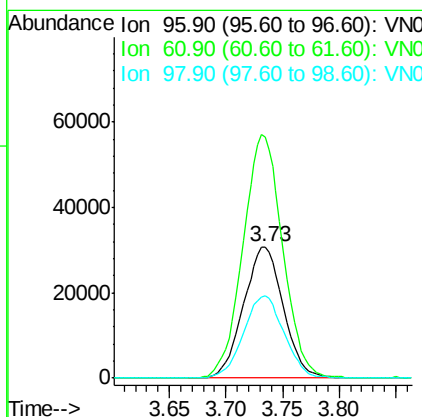
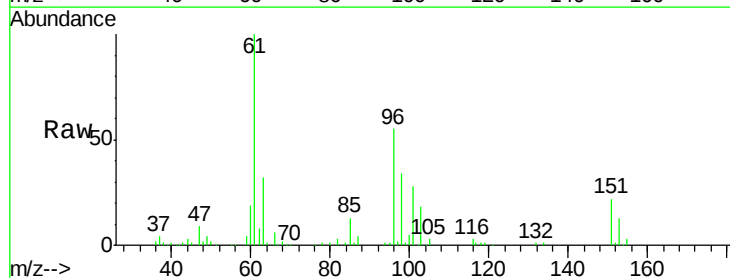
MMDadoda
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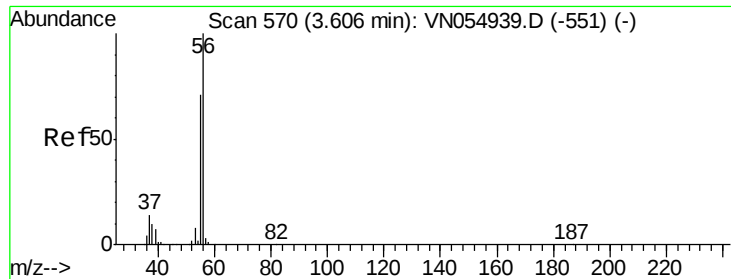


#12

1,1-Dichloroethene
 Concen: 20.504 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	148.2	222.2
98	62.7	50.2	75.4





#13

Acrolein

Concen: 107.766 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 56 Resp: 45285

Ion Ratio Lower Upper

56 100

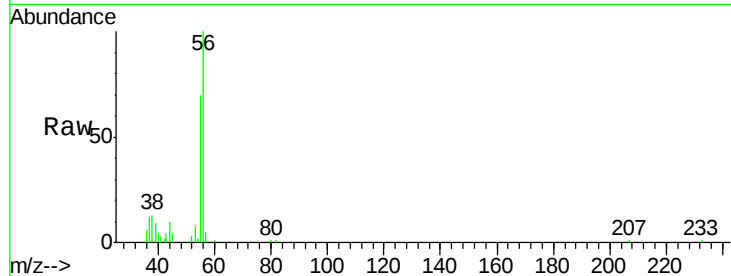
55 73.9 58.6 87.8

Manual Integrations

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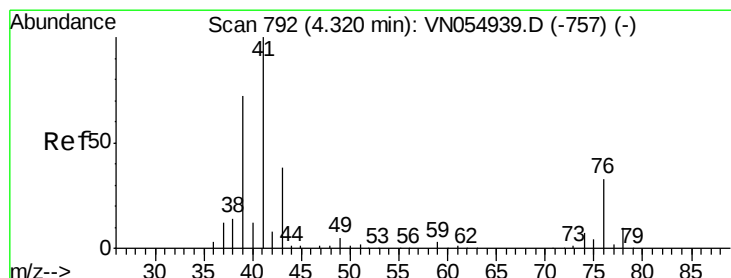
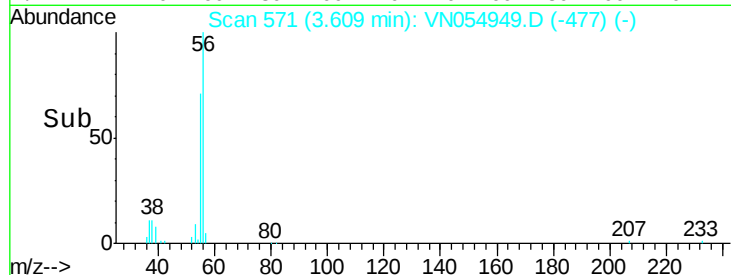
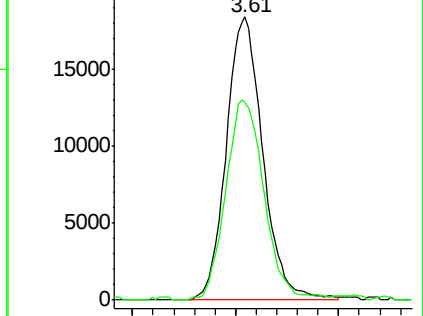
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.081 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

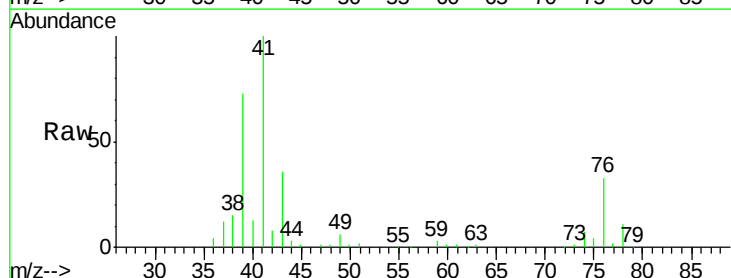
Tgt Ion: 41 Resp: 171937

Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

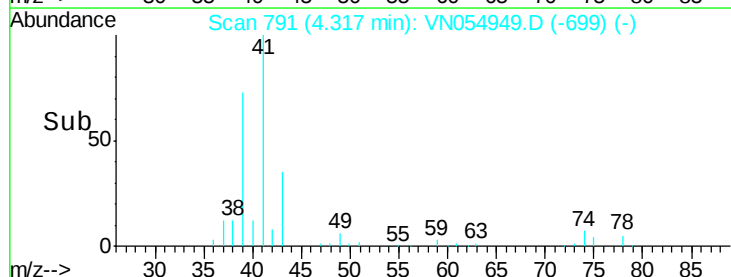
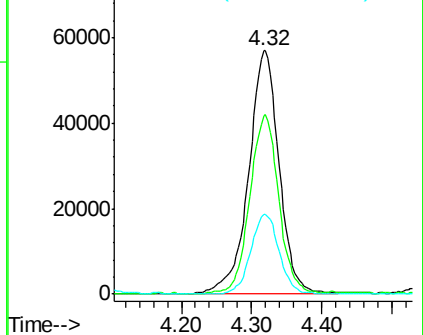
76 30.4 23.8 35.8

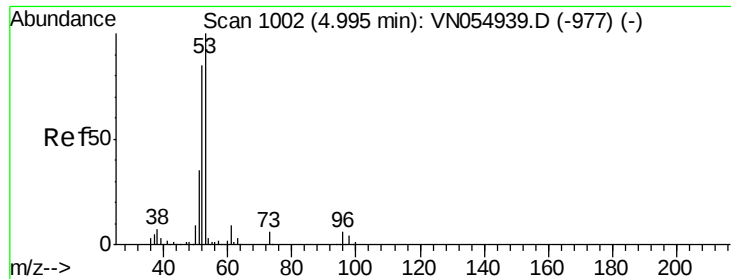


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.873 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

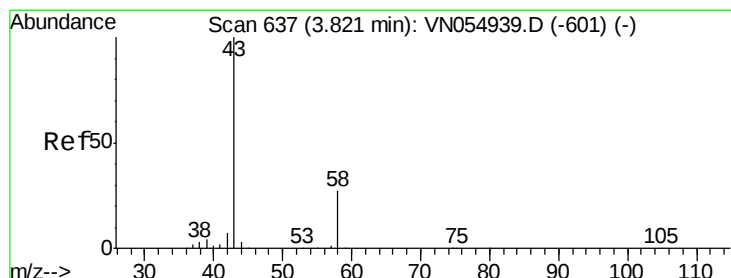
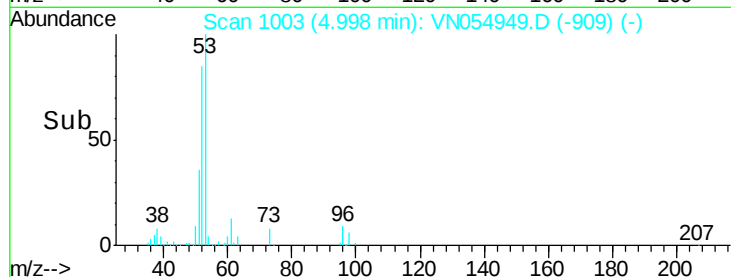
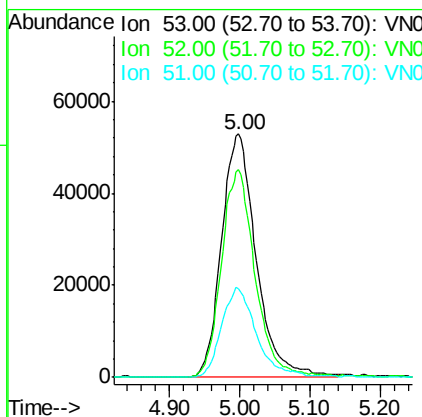
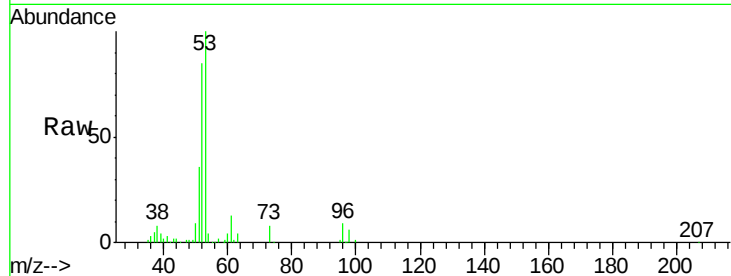
ClientSampled :

VN0404WBSD01

Tgt Ion:	53	Resp:	181785
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 87.320 ug/l

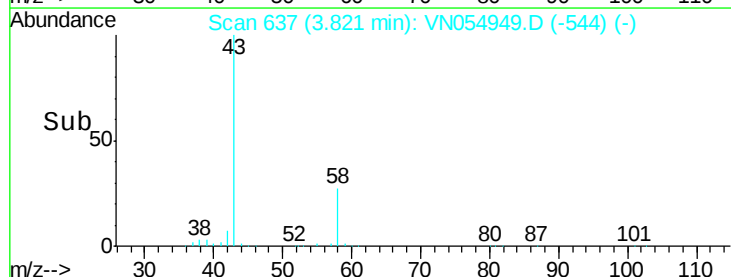
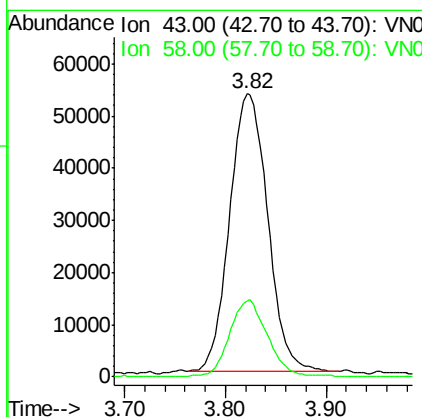
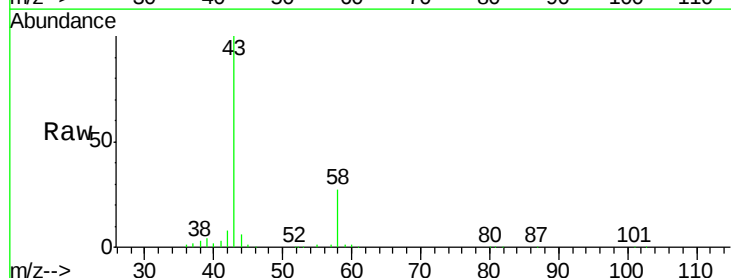
RT: 3.82 min Scan# 637

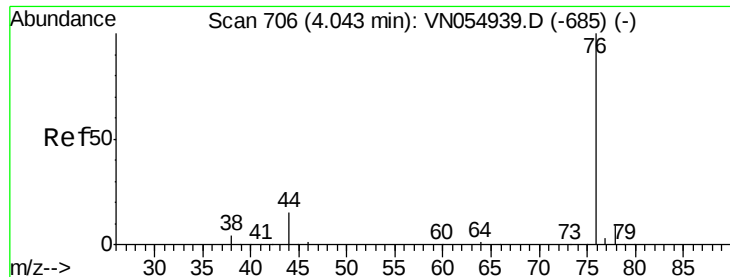
Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion:	43	Resp:	139521
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.7	32.5





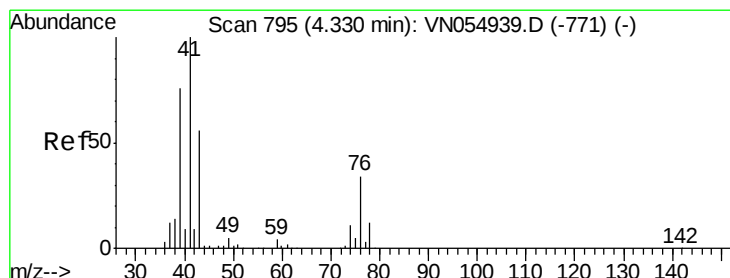
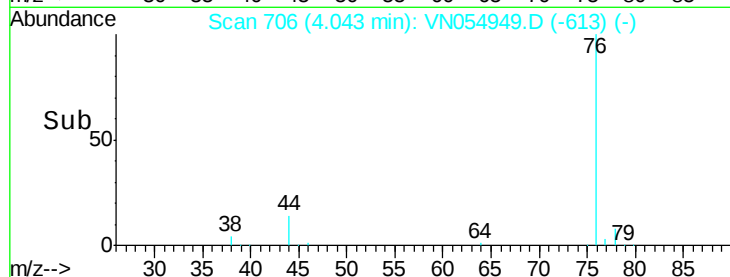
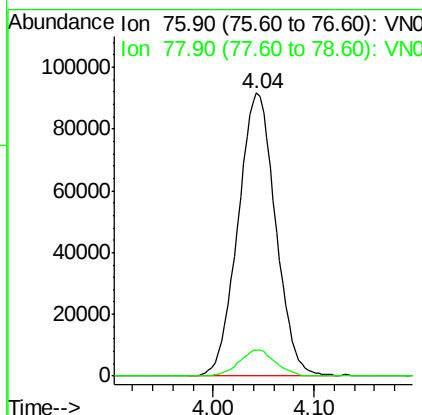
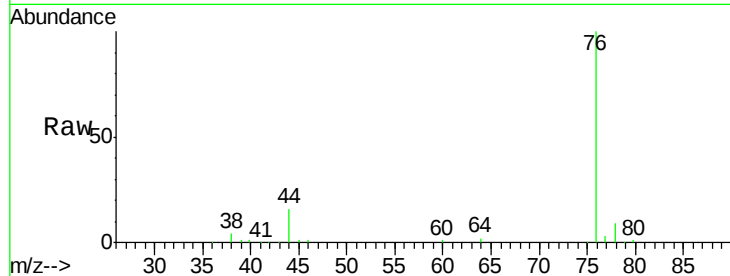
#17
Carbon Disulfide
Concen: 20.231 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion: 76 Resp: 236655
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

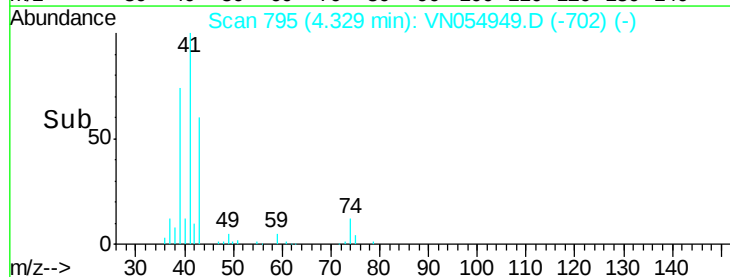
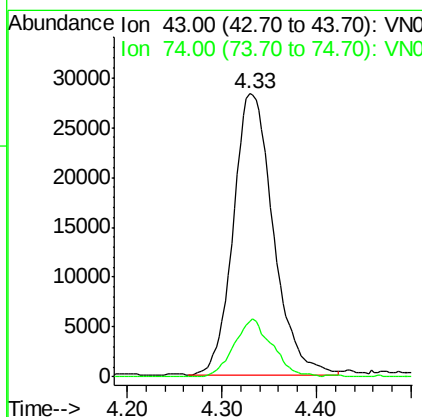
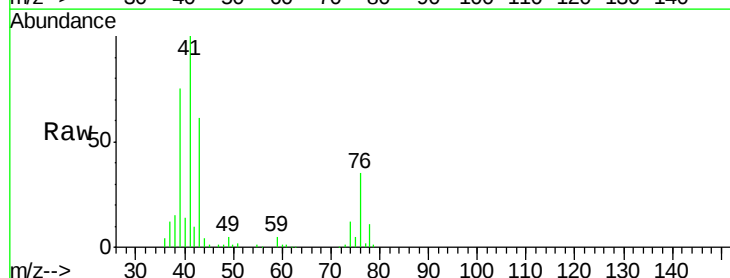
Manual Integrations
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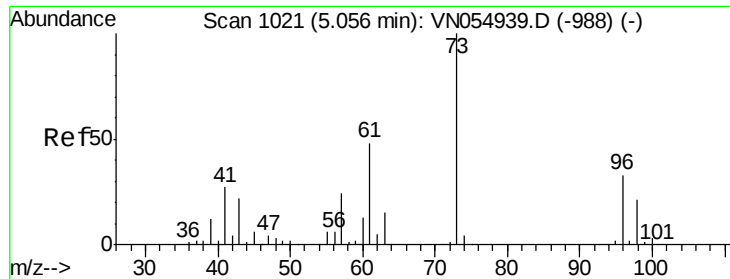
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#18
Methyl Acetate
Concen: 22.330 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 43 Resp: 83011
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6





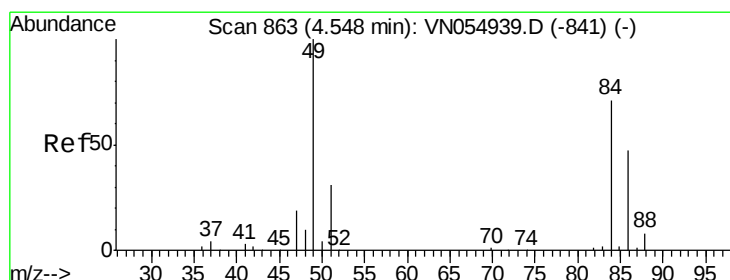
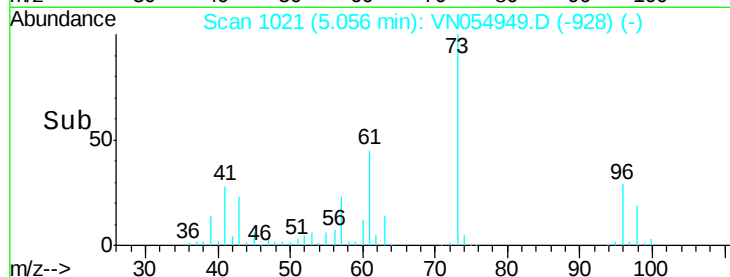
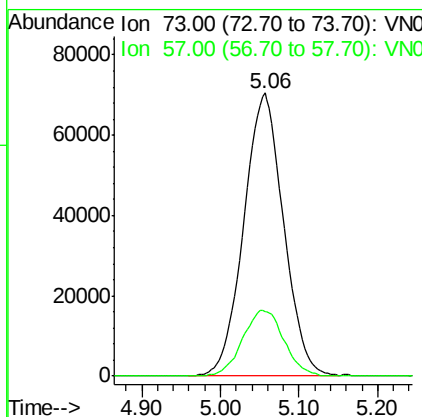
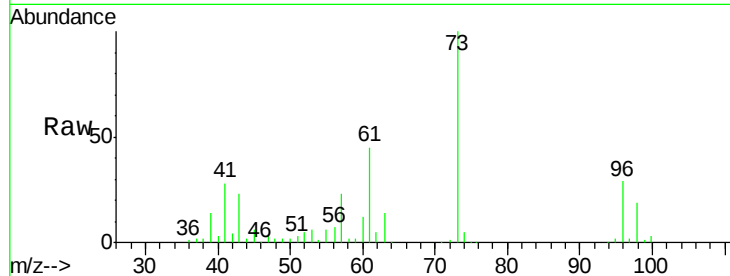
#19
Methyl tert-butyl Ether
Concen: 21.089 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion: 73 Resp: 251367
Ion Ratio Lower Upper
73 100
57 22.9 19.5 29.3

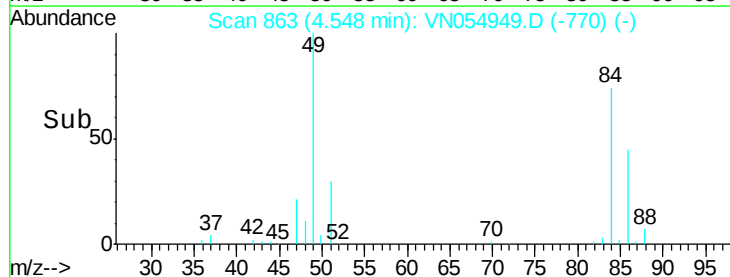
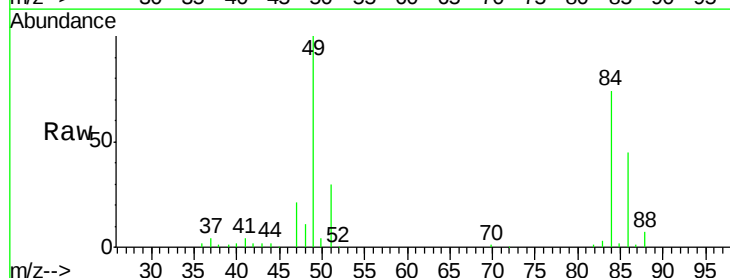
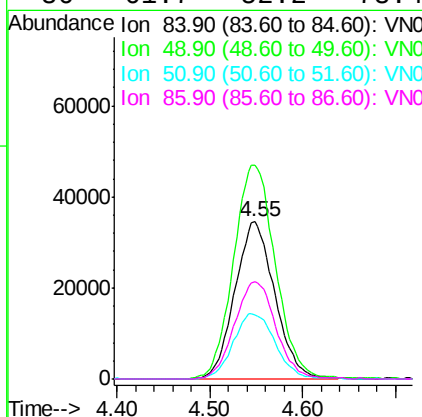
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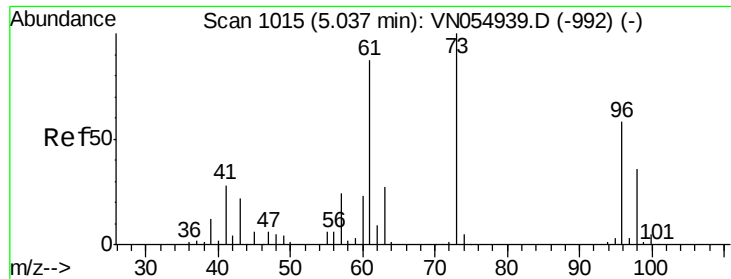
MMDadoda
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#20
Methylene Chloride
Concen: 20.301 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 84 Resp: 103566
Ion Ratio Lower Upper
84 100
49 135.9 112.1 168.1
51 41.1 34.5 51.7
86 61.7 52.2 78.4





#21

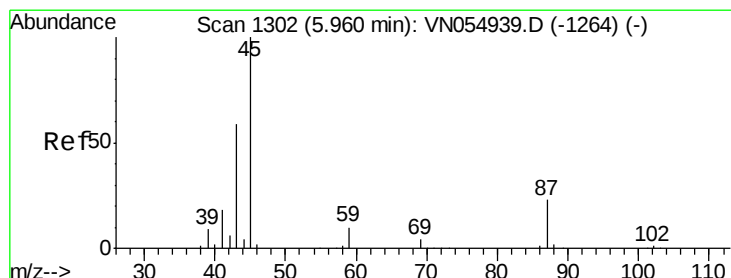
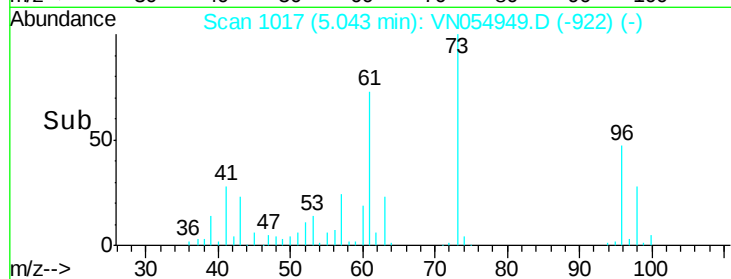
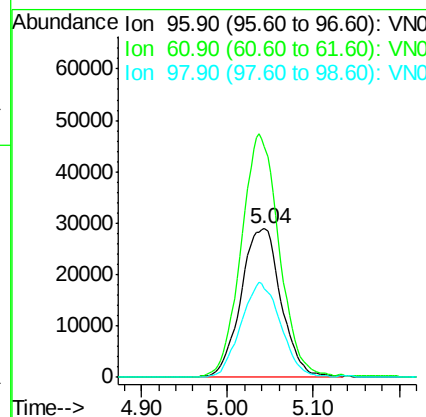
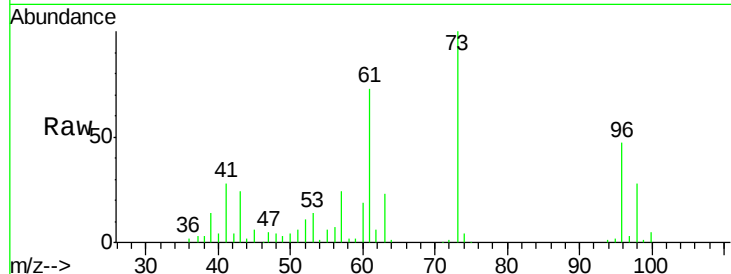
trans-1,2-Dichloroethene
Concen: 20.519 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	120.1	180.1
98	59.8	49.3	73.9

Manual Integrations
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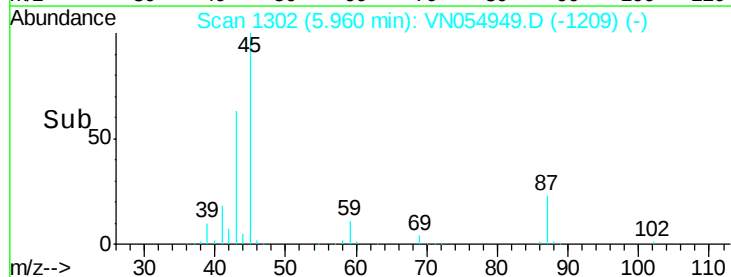
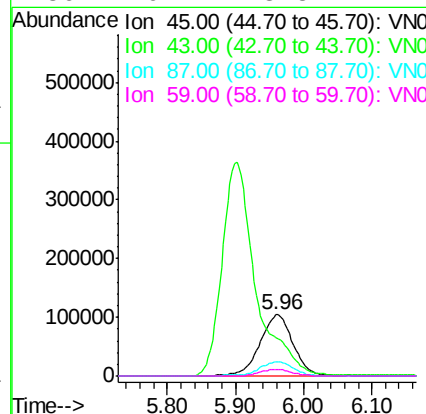
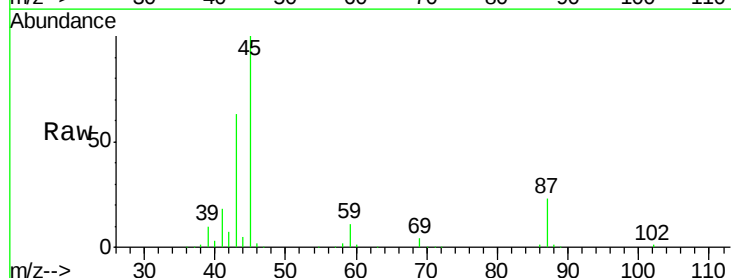
MMDadoda
4/8/2019 1:43:28 PM

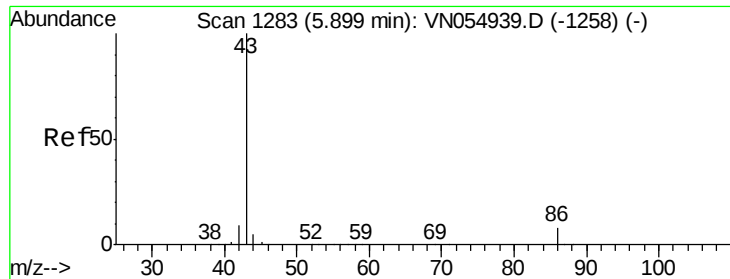


#22

Diisopropyl ether
Concen: 21.035 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	46.9	70.3
87	22.7	18.6	28.0
59	10.7	8.5	12.7





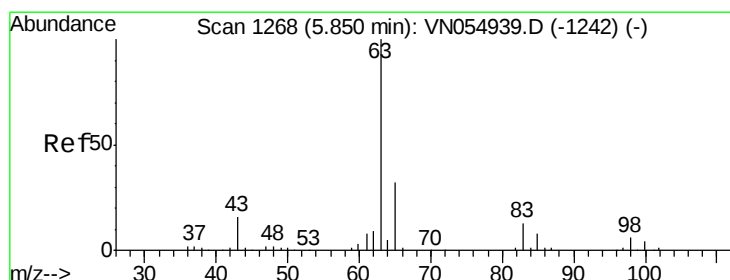
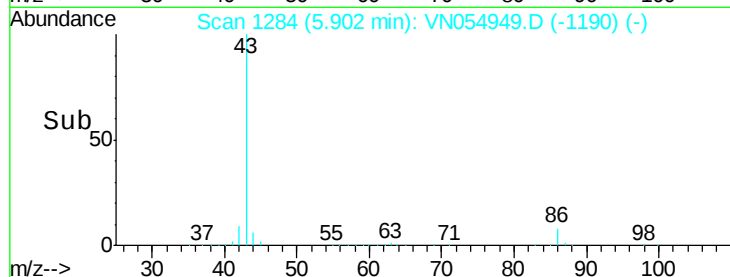
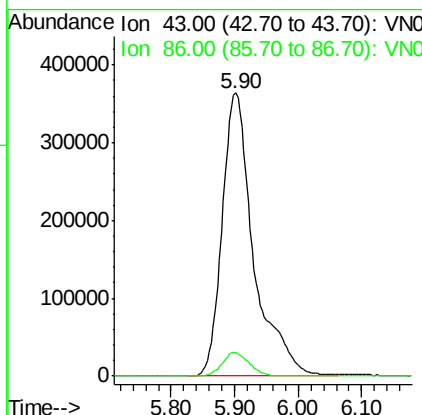
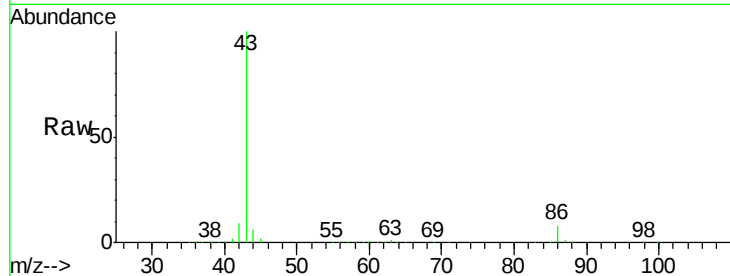
#23
 Vinyl Acetate
 Concen: 107.366 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion: 43 Resp: 1251430
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.7 10.1

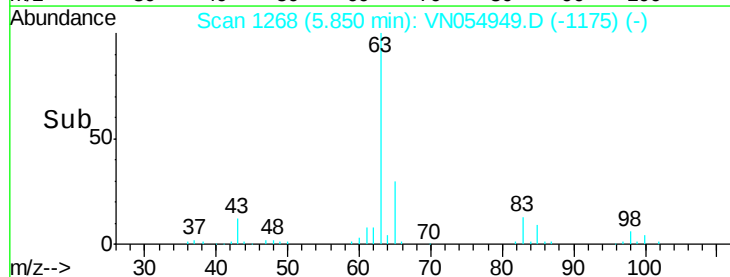
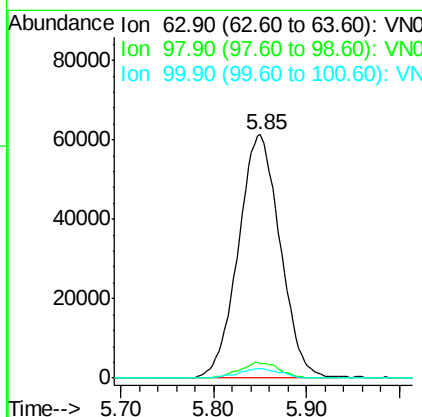
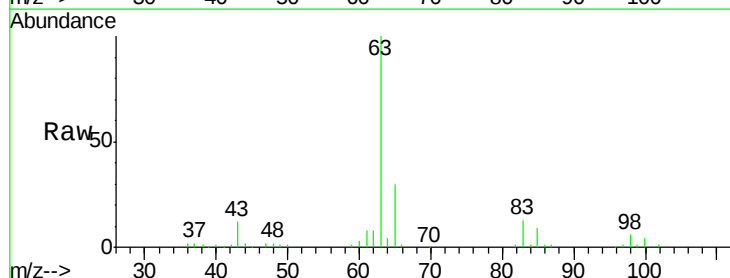
Manual Integrations
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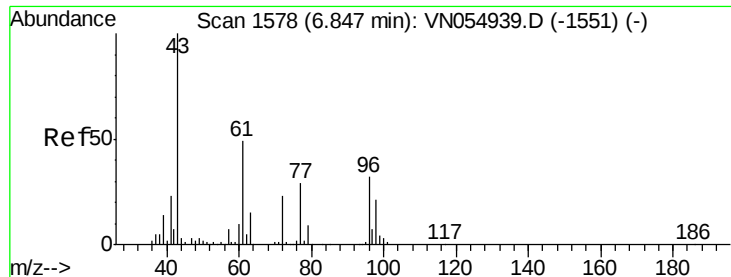
MMDadoda
 4/8/2019 1:43:28 PM



#24
 1,1-Dichloroethane
 Concen: 20.986 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 63 Resp: 191699
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 4.1 2.1 6.2





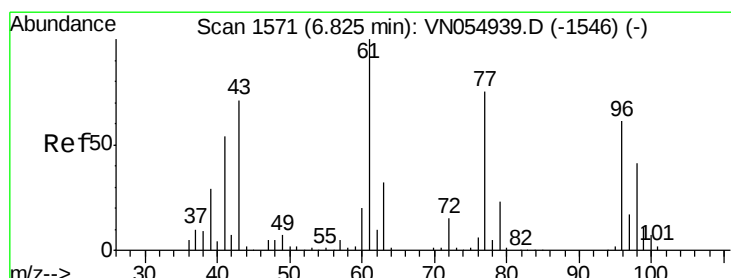
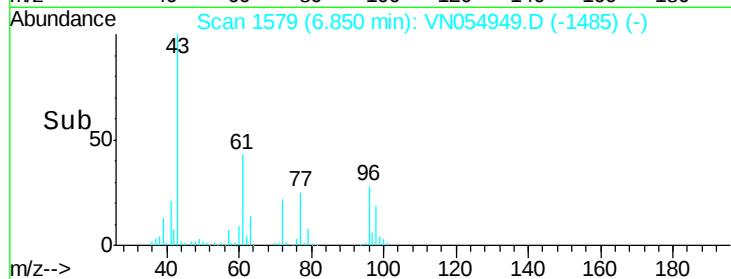
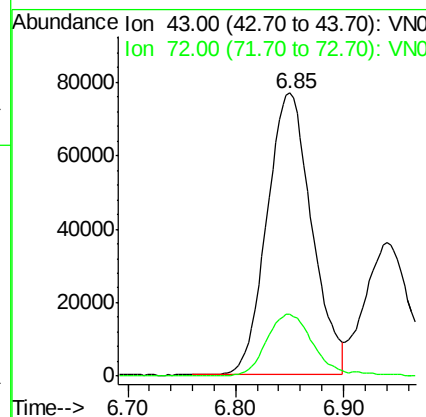
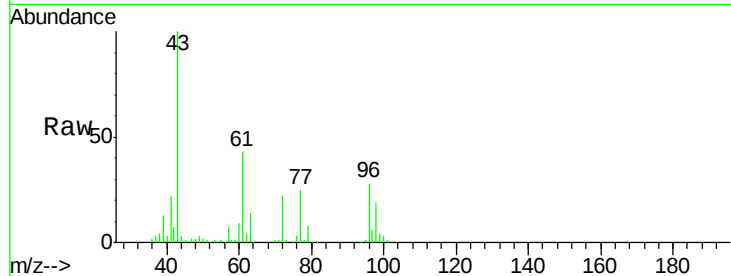
#25
2-Butanone
Concen: 107.272 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion: 43 Resp: 221406
Ion Ratio Lower Upper
43 100
72 21.9 18.3 27.5

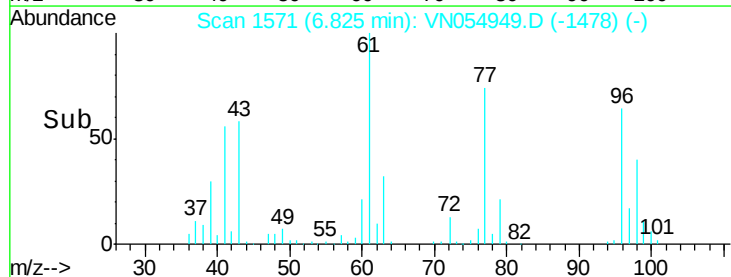
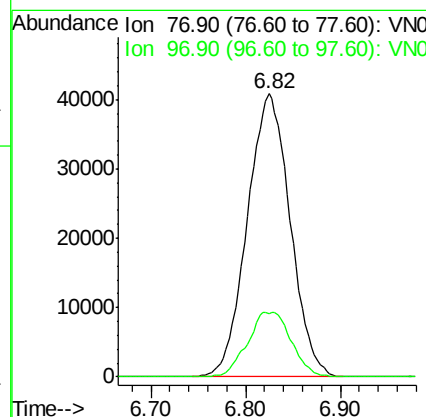
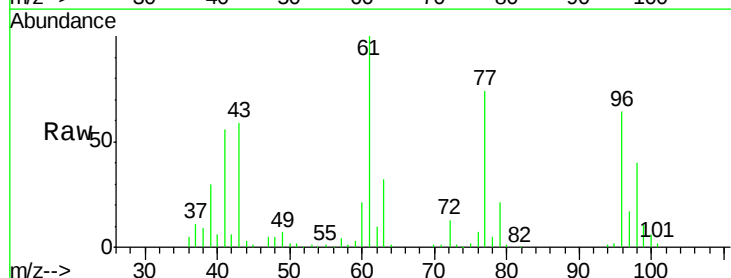
Manual Integrations
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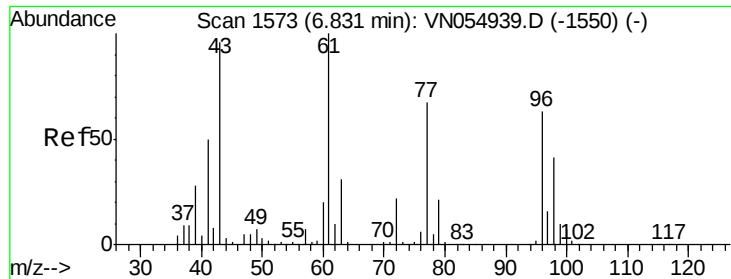
MMDadoda
4/8/2019 1:43:28 PM



#26
2,2-Dichloropropane
Concen: 20.028 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 77 Resp: 128252
Ion Ratio Lower Upper
77 100
97 23.3 11.6 34.8





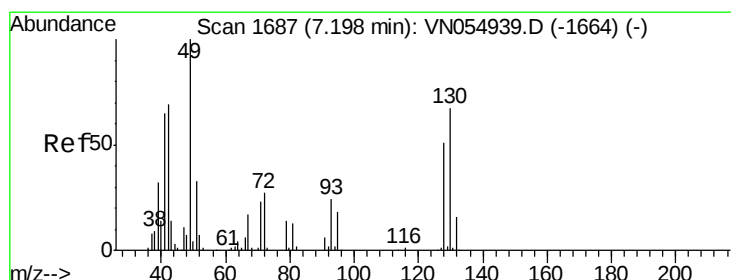
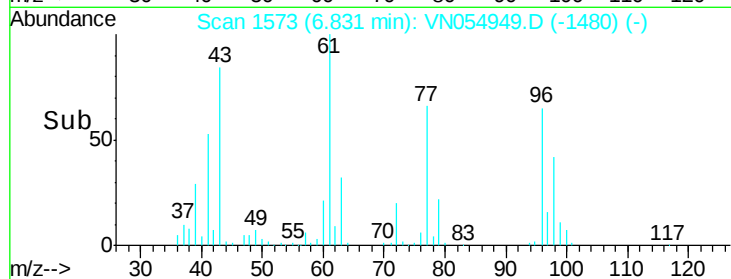
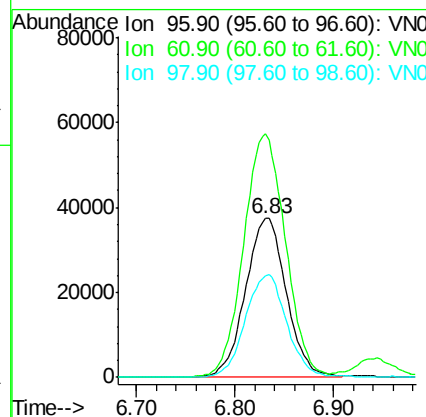
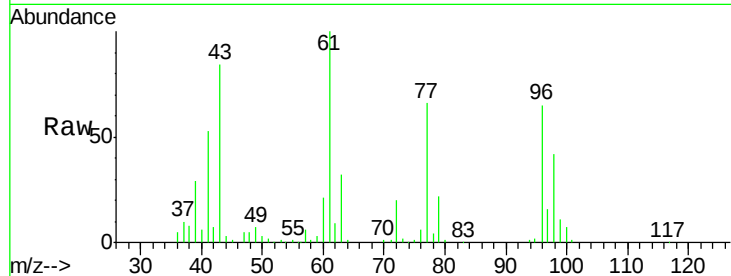
#27
 cis-1,2-Dichloroethene
 Concen: 20.622 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	107363		
61	156.7	0.0	316.2	
98	65.4	0.0	129.6	

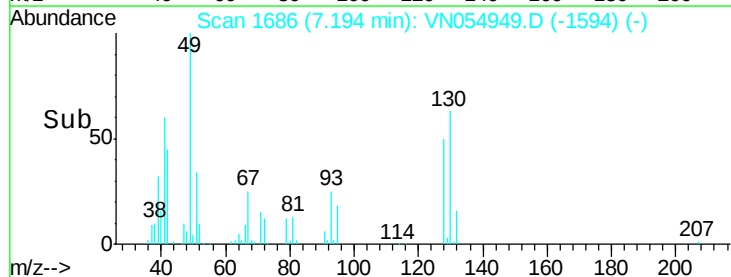
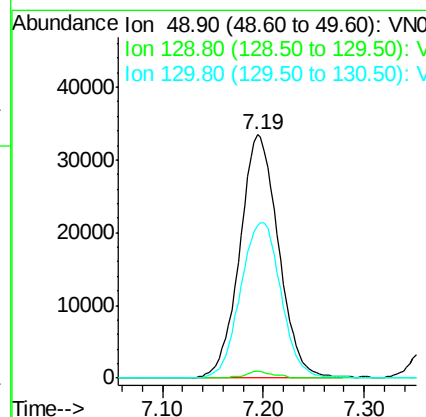
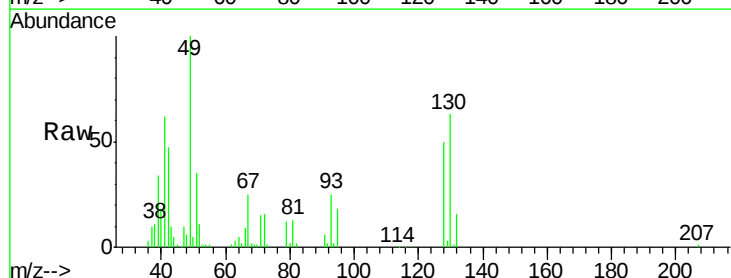
Manual Integrations
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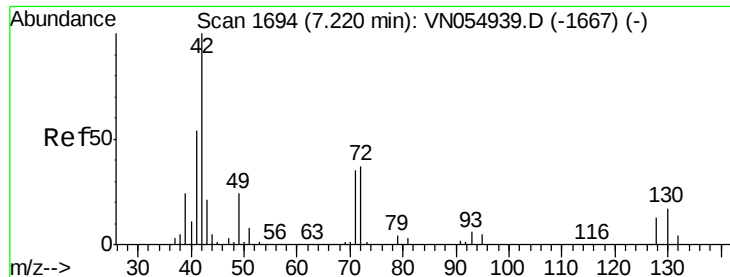
MMDadoda
 4/8/2019 1:43:28 PM



#28
 Bromochloromethane
 Concen: 20.823 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89107		
129	2.0	0.0	3.8	
130	66.6	53.1	79.7	





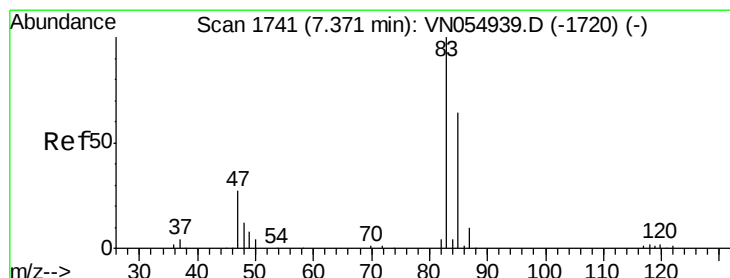
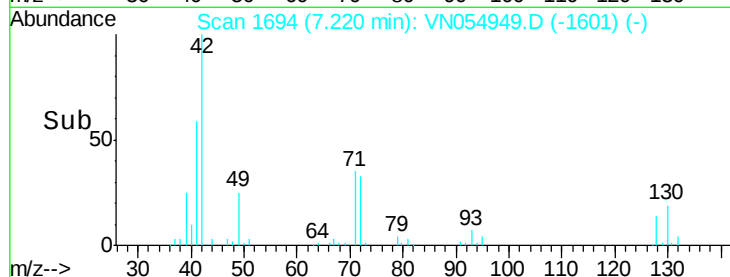
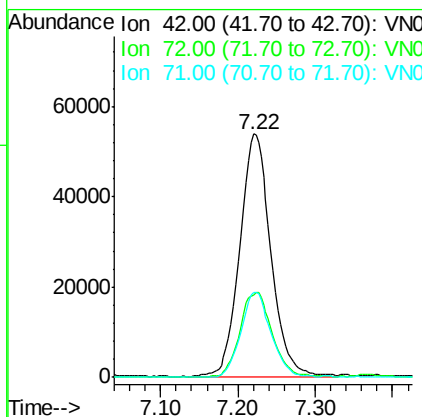
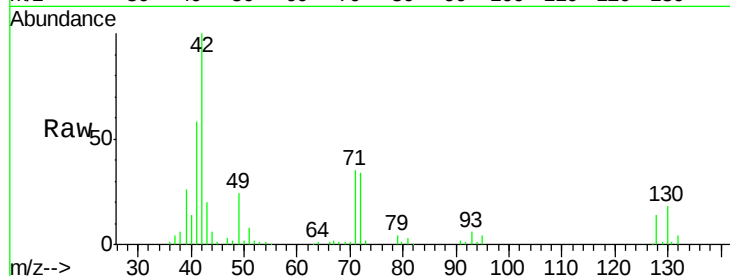
#29
Tetrahydrofuran
Concen: 110.873 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampled :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.3	43.9
71	34.2	27.8	41.6

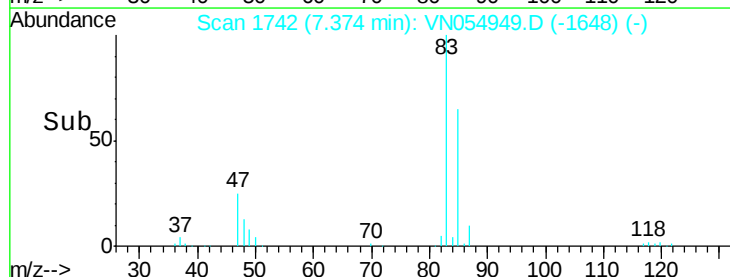
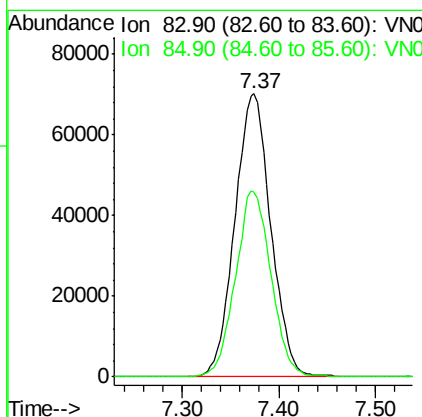
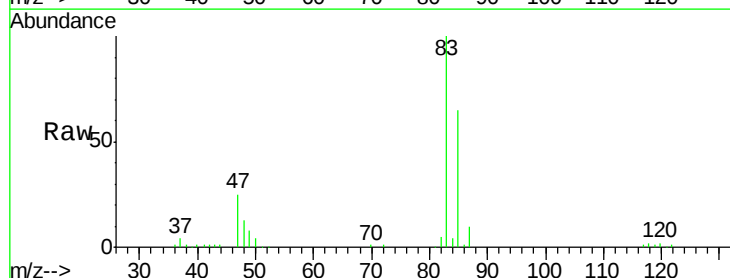
Manual Integrations
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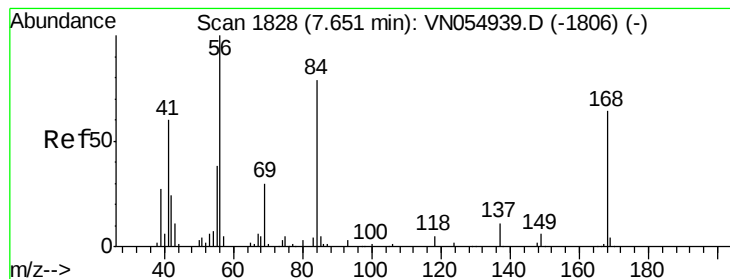
MMDadoda
4/8/2019 1:43:28 PM



#30
Chloroform
Concen: 20.935 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0





#31

Cyclohexane

Concen: 20.809 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 56 Resp: 188019
Ion Ratio Lower Upper

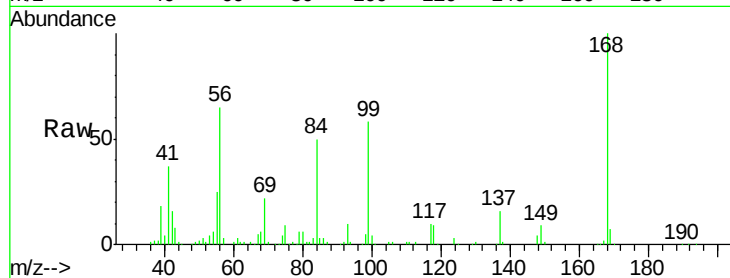
56 100

69 33.2 23.8 35.6

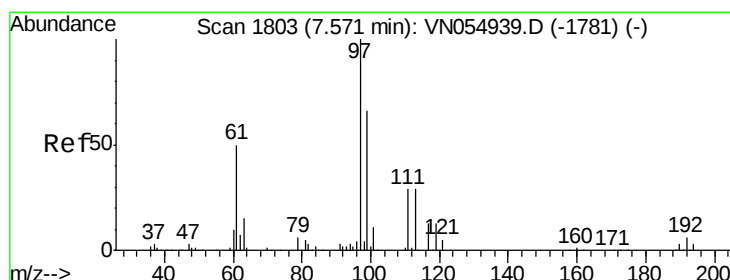
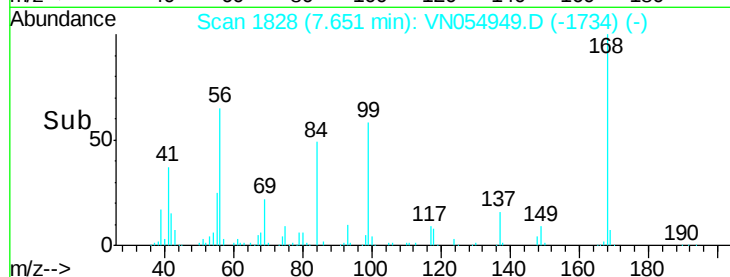
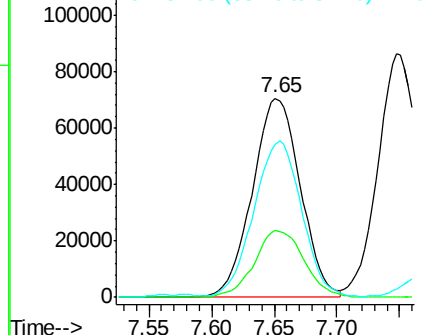
84 75.5 61.8 92.8

Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.763 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054949.D

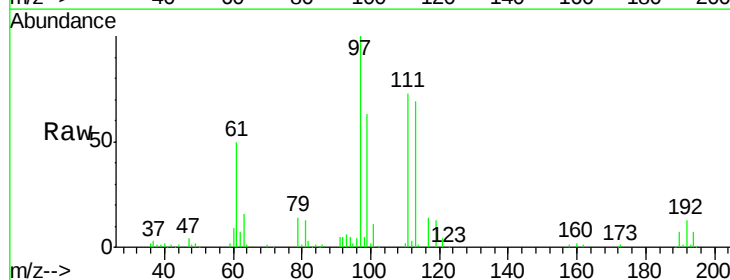
Acq: 4 Apr 2019 15:59

Tgt Ion: 97 Resp: 151680
Ion Ratio Lower Upper

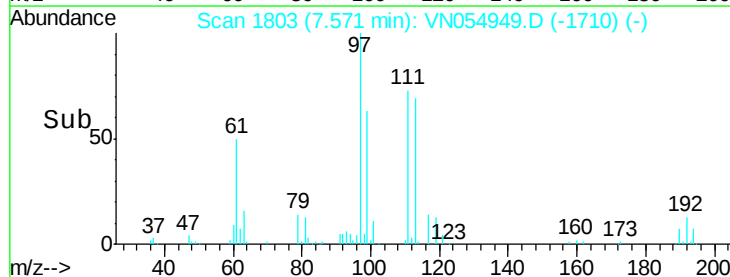
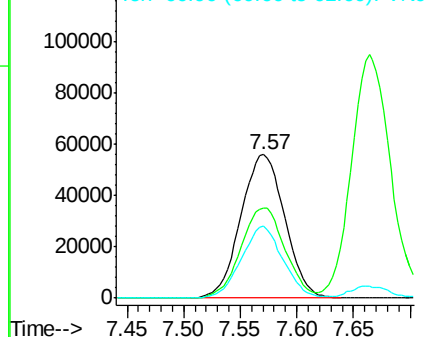
97 100

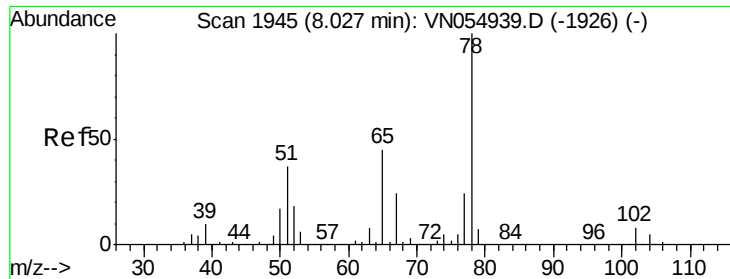
99 62.9 52.1 78.1

61 47.3 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





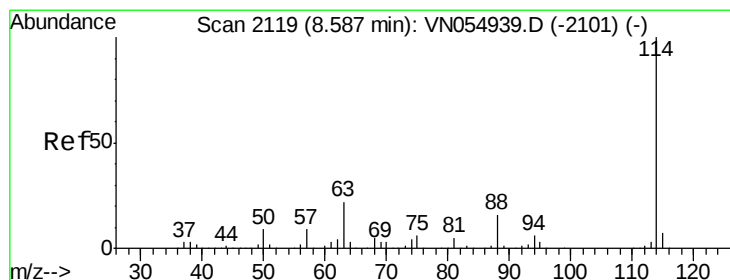
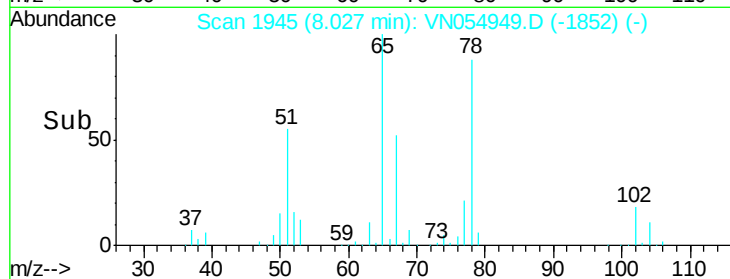
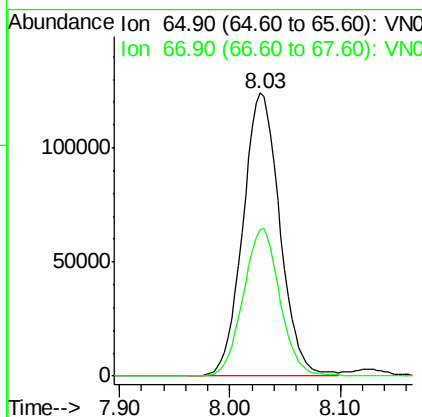
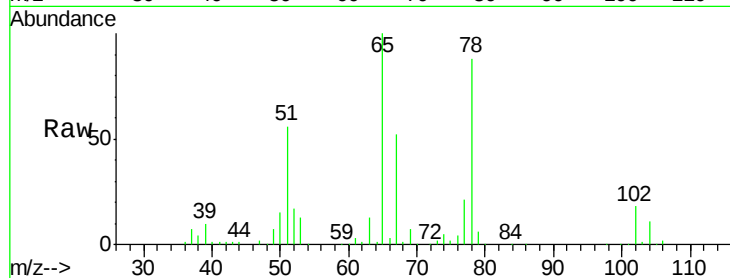
#33
 1,2-Dichloroethane-d4
 Concen: 52.388 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	287958		
67	51.7	0.0	105.6	

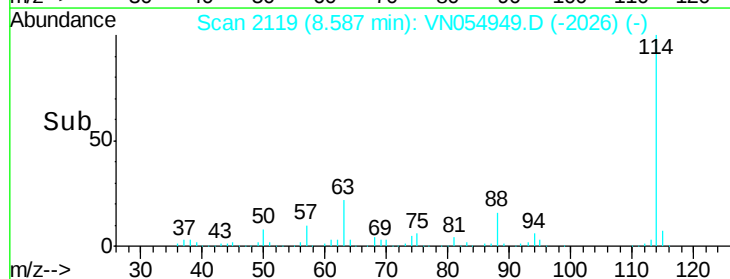
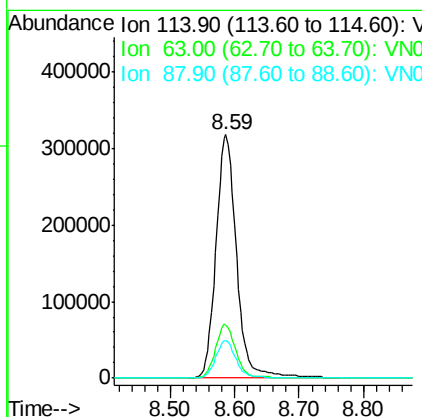
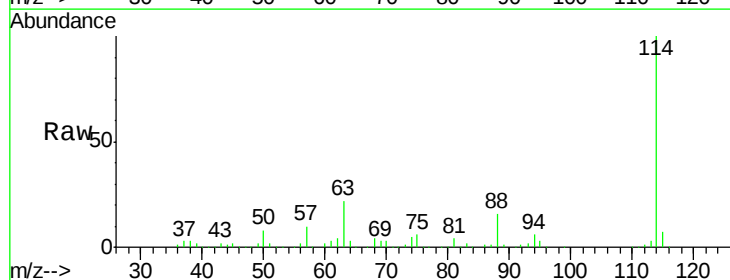
Manual Integrations
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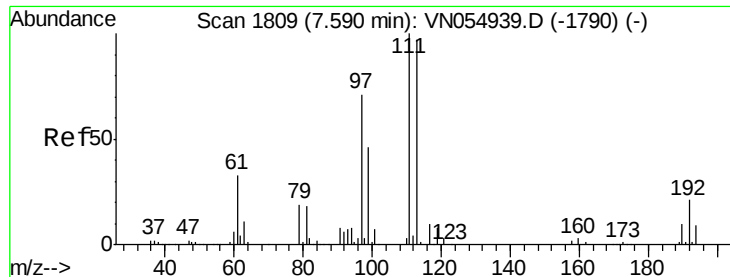
MMDadoda
 4/8/2019 1:43:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	703058		
63	21.9	0.0	44.6	
88	15.6	0.0	32.0	





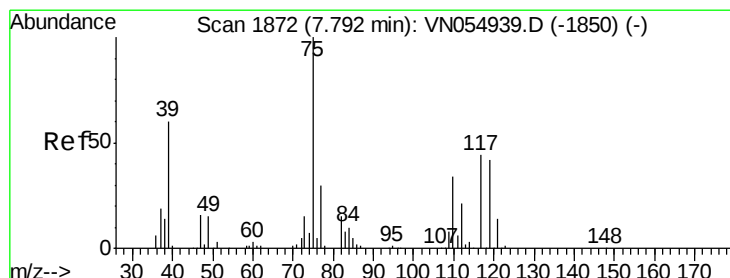
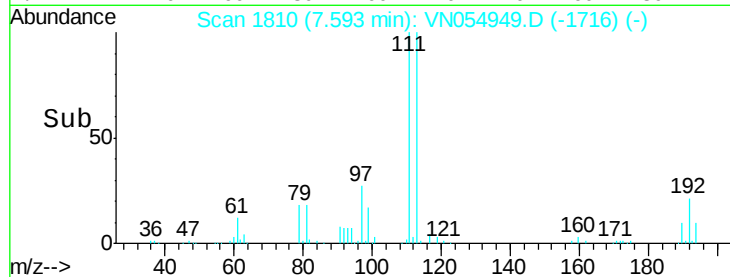
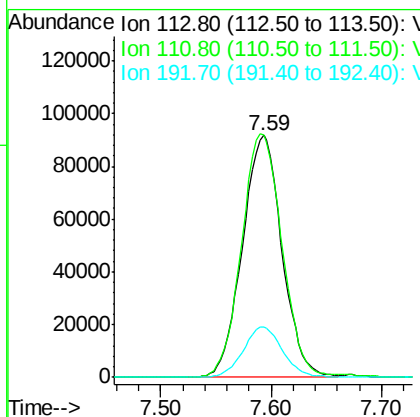
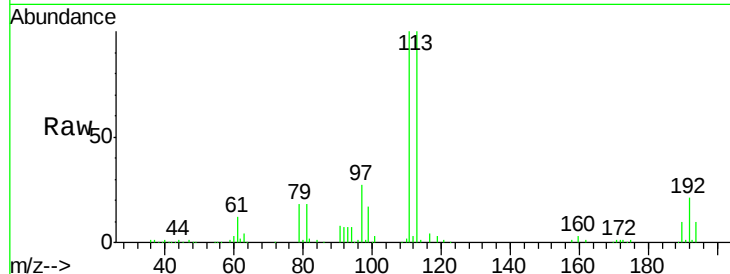
#35
 Dibromofluoromethane
 Concen: 49.759 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	227728		
111	104.0	81.0	121.4	
192	20.6	16.5	24.7	

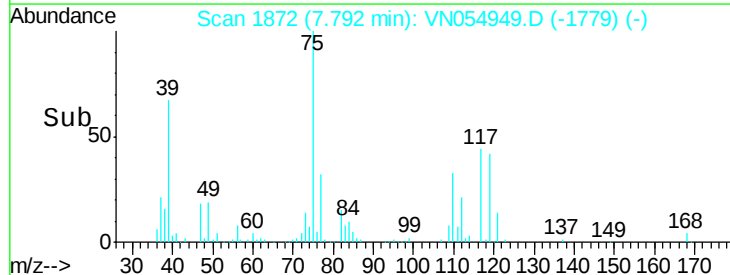
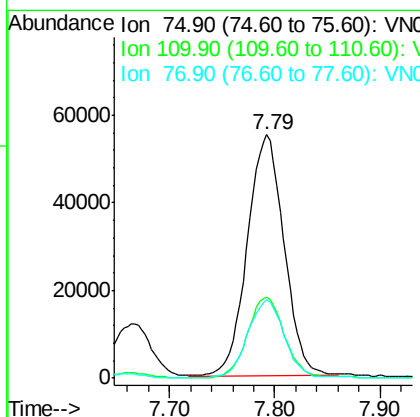
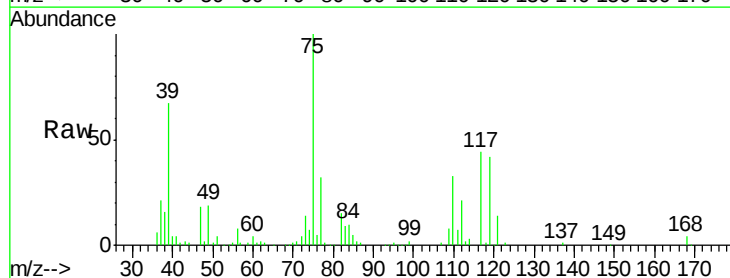
Manual Integrations
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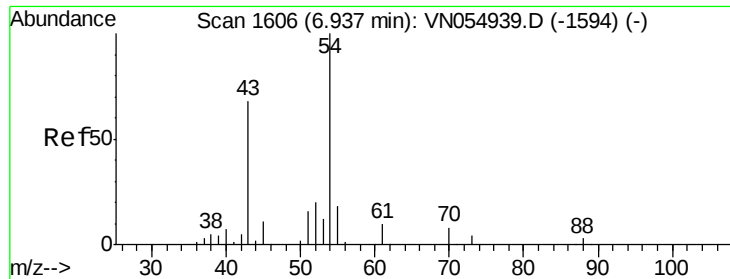
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134234		
110	33.7	17.0	50.9	
77	32.1	25.3	37.9	





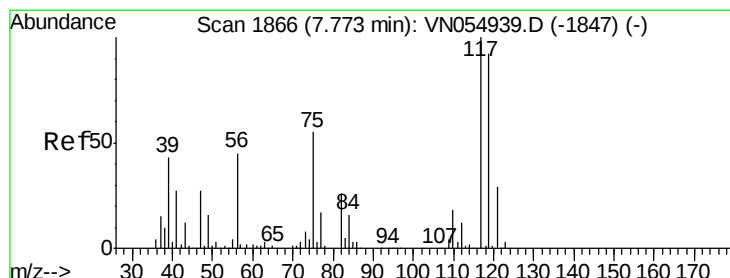
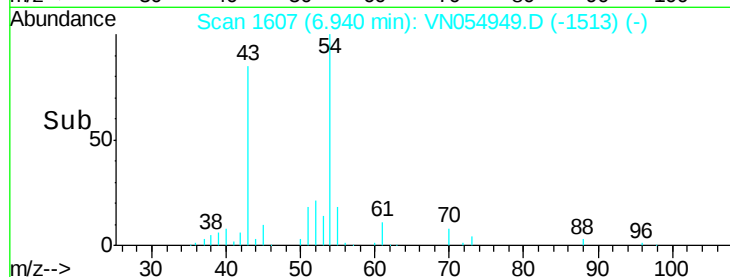
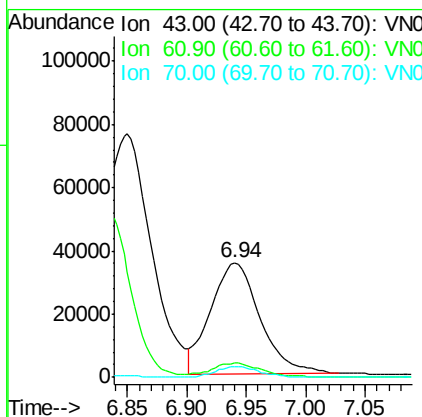
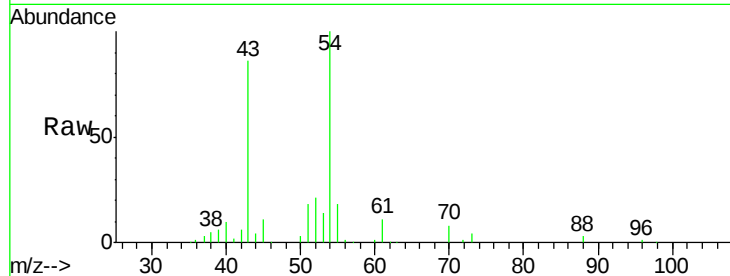
#37
Ethyl Acetate
Concen: 21.445 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.3	15.5
70	8.4	7.0	10.4

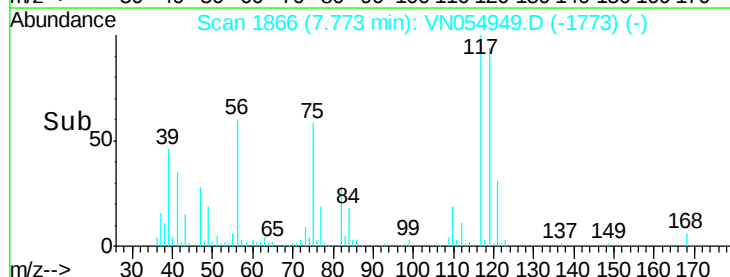
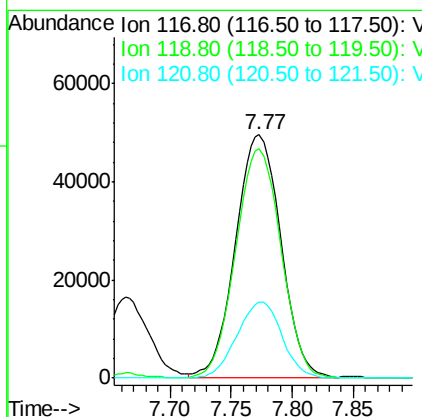
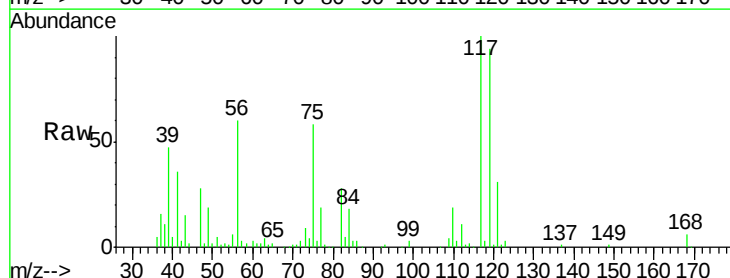
Manual Integrations
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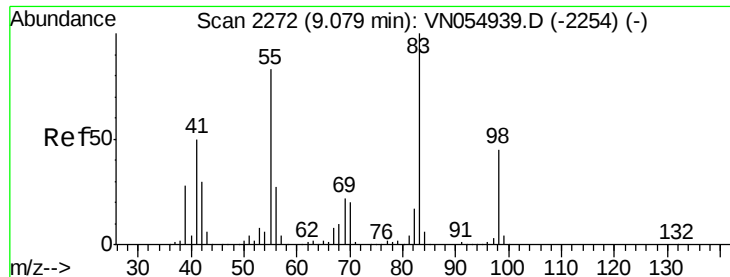
MMDadoda
4/8/2019 1:43:28 PM



#38
Carbon Tetrachloride
Concen: 18.896 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.6	110.4
121	31.3	23.4	35.0





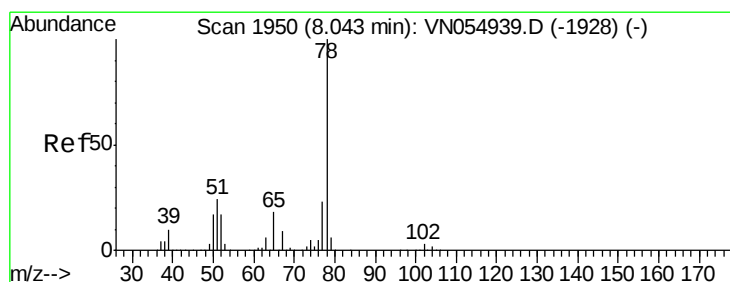
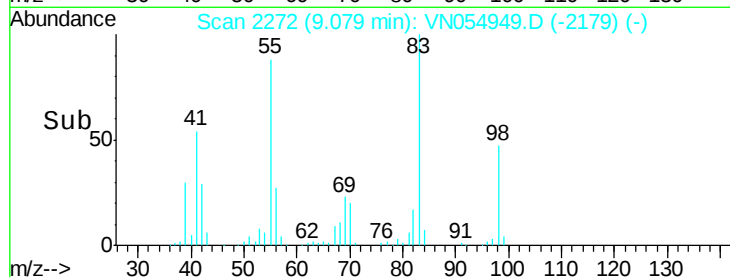
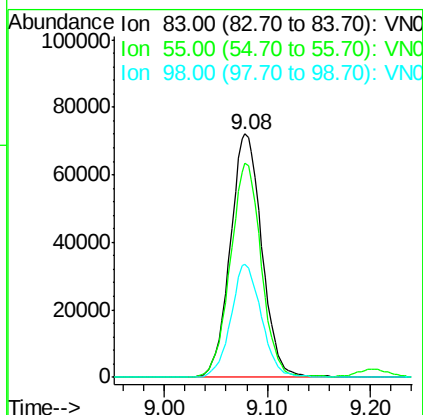
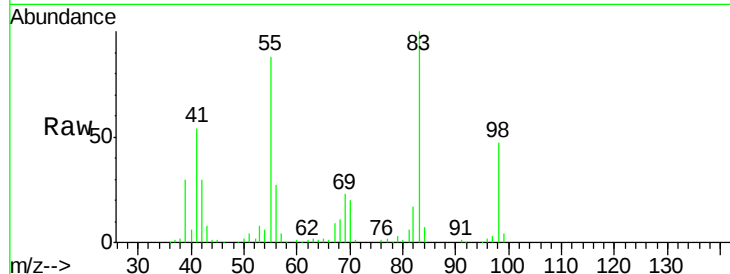
#39
Methylcyclohexane
Concen: 20.039 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	87.7	66.4	99.6
98	46.7	36.4	54.6

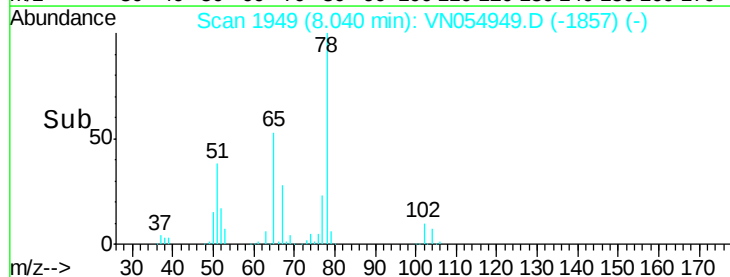
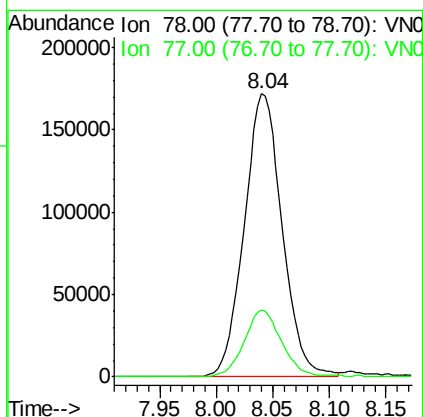
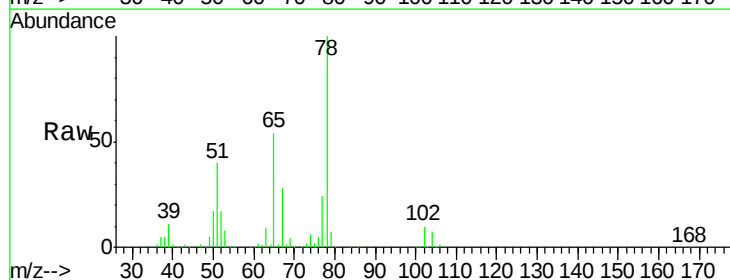
Manual Integrations
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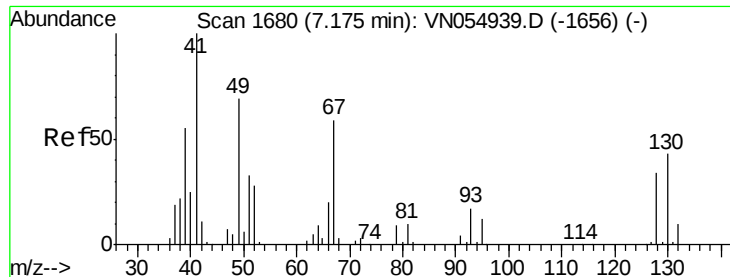
MMDadoda
4/8/2019 1:43:28 PM



#40
Benzene
Concen: 20.010 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.5	18.6	27.8





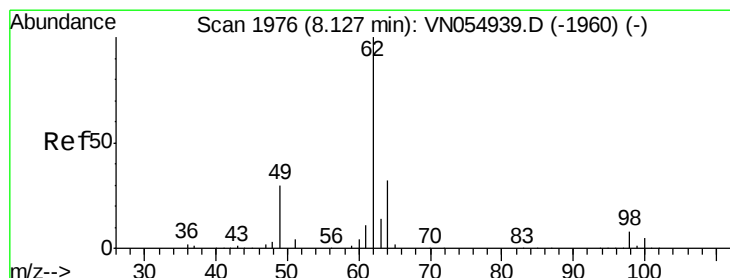
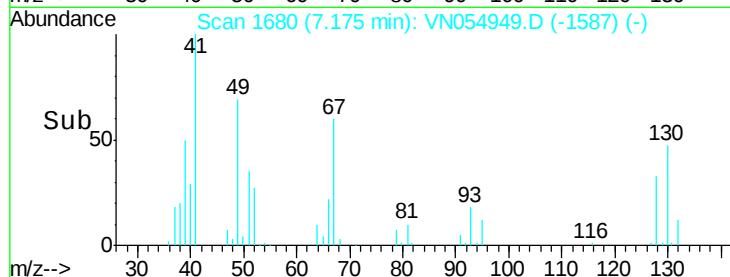
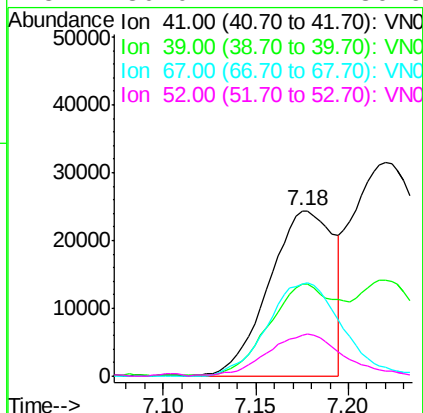
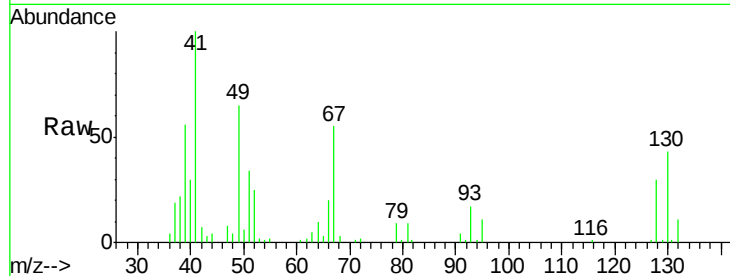
#41
Methacrylonitrile
Concen: 21.618 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.5	43.0	64.6
67	66.0	55.0	82.6
52	30.0	24.4	36.6

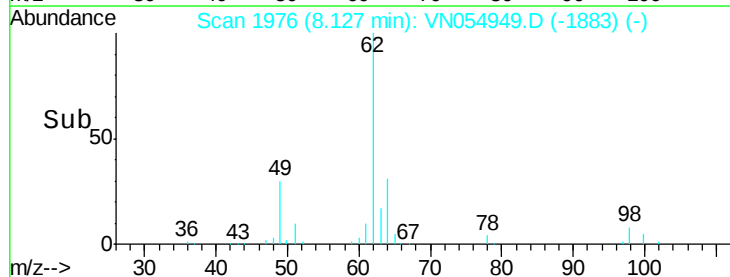
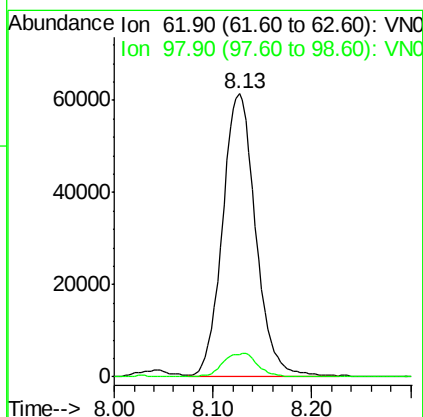
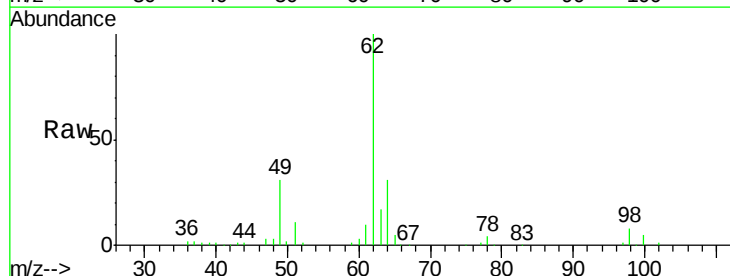
Manual Integrations
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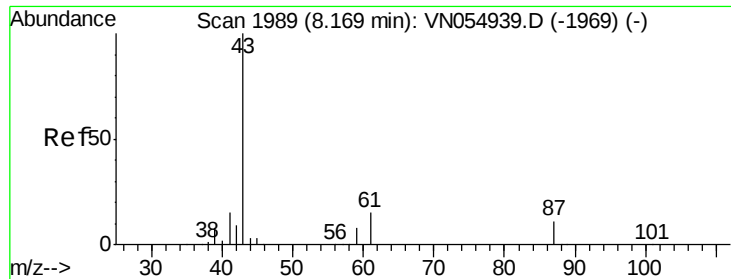
MMDadoda
4/8/2019 1:43:28 PM



#42
1,2-Dichloroethane
Concen: 20.358 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.0





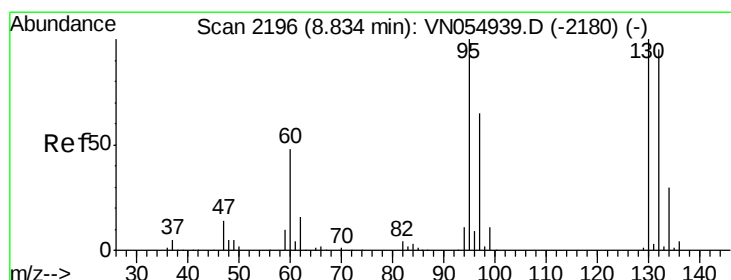
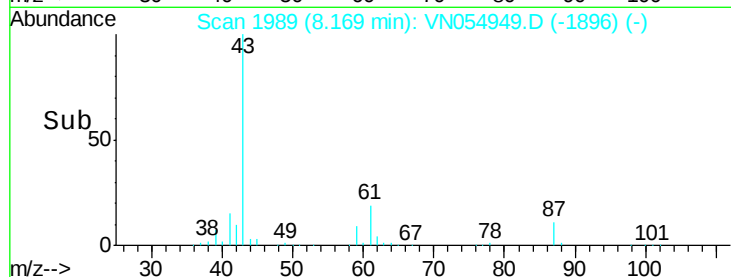
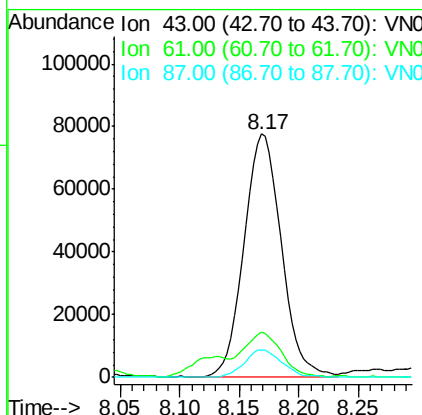
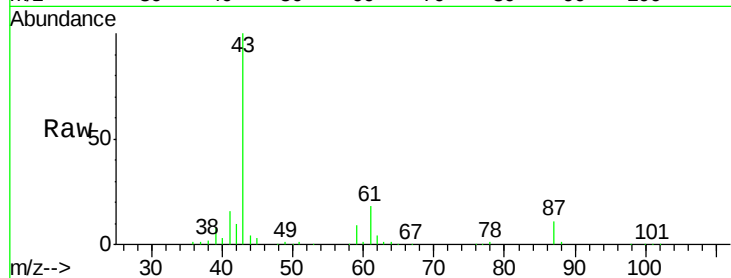
#43
Isopropyl Acetate
Concen: 20.863 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	11.5	9.0	13.4

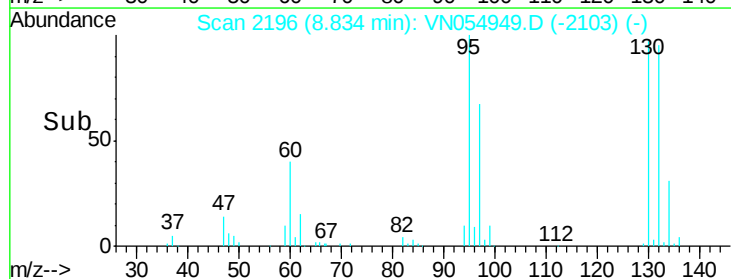
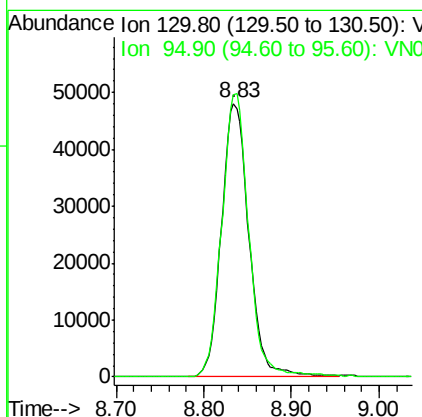
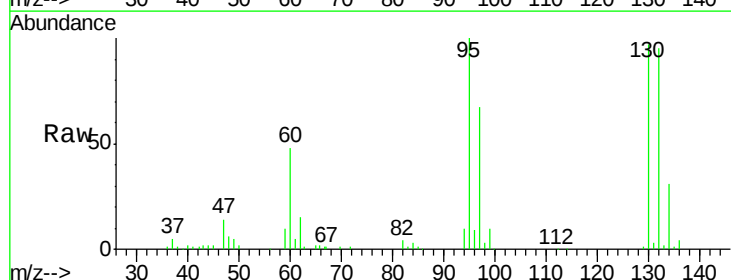
Manual Integrations
APPROVED

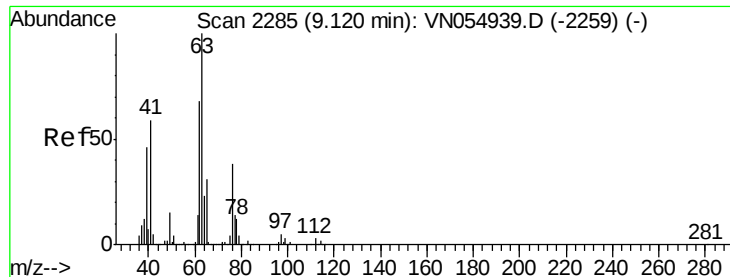
MMDadoda
4/8/2019 1:43:28 PM



#44
Trichloroethene
Concen: 20.514 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	200.4





#45

1,2-Dichloropropane

Concen: 20.348 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 63 Resp: 113648

Ion Ratio Lower Upper

63 100

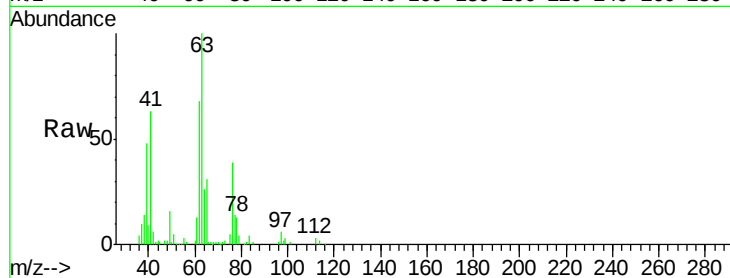
65 30.6 24.6 37.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

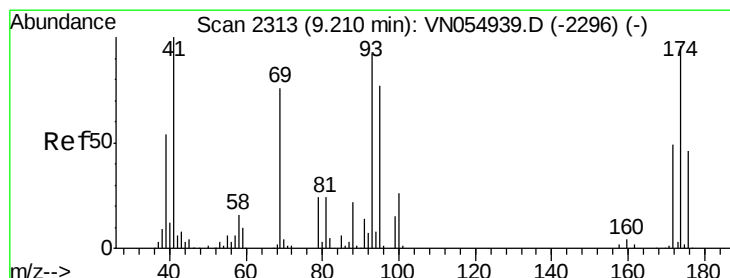
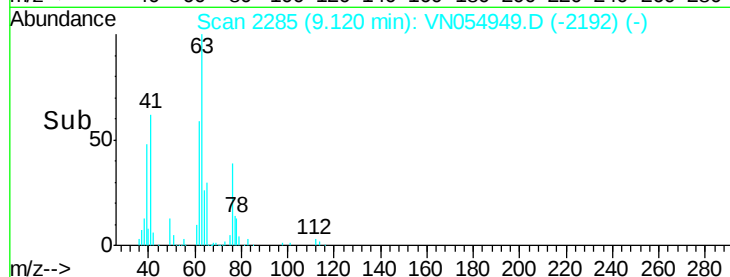
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.109 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

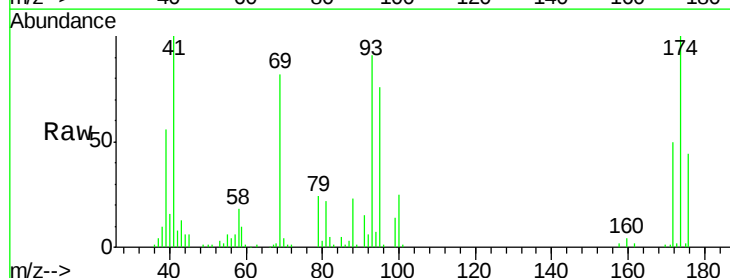
Tgt Ion: 93 Resp: 63690

Ion Ratio Lower Upper

93 100

95 84.7 66.7 100.1

174 106.0 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

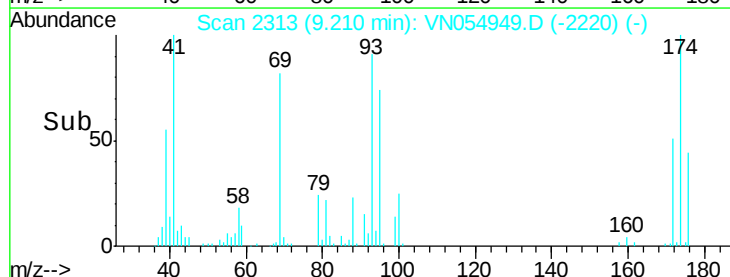
30000

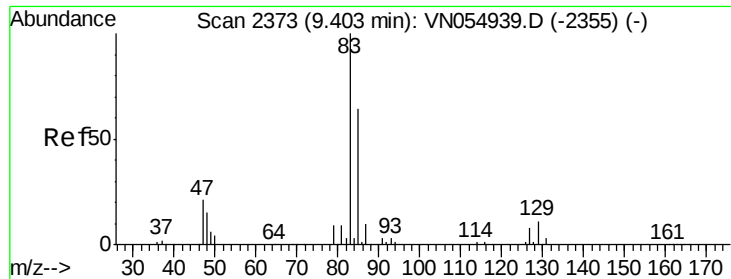
20000

10000

0

Time-->





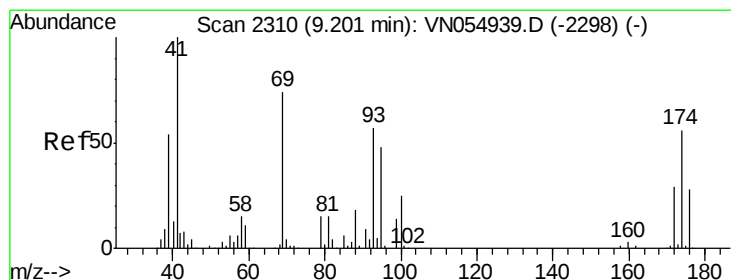
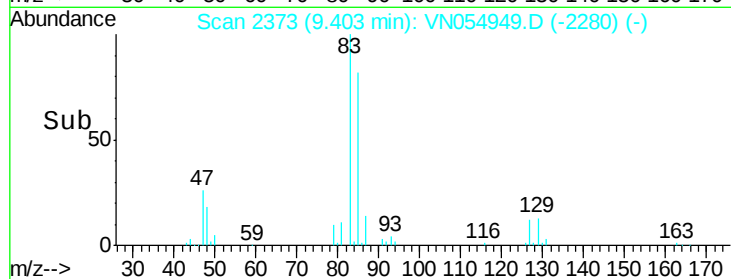
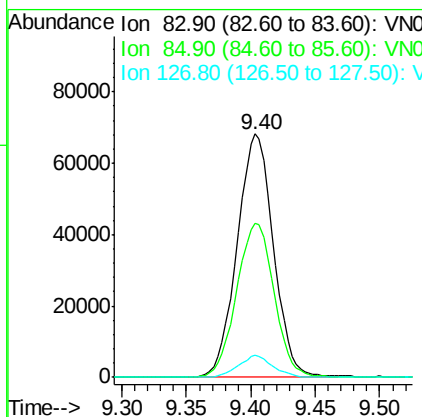
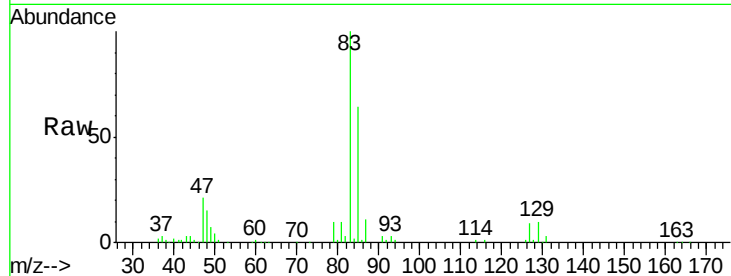
#47
 Bromodichloromethane
 Concen: 20.072 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	133525		
85	63.5	51.1	76.7	
127	9.1	6.7	10.1	

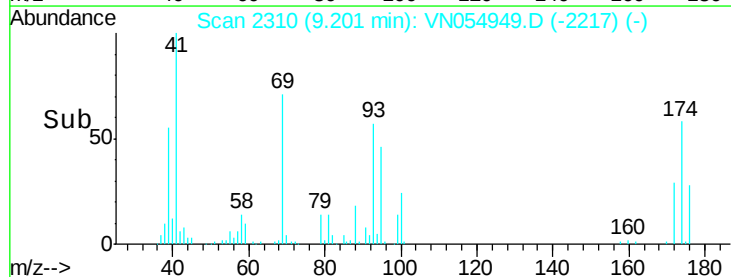
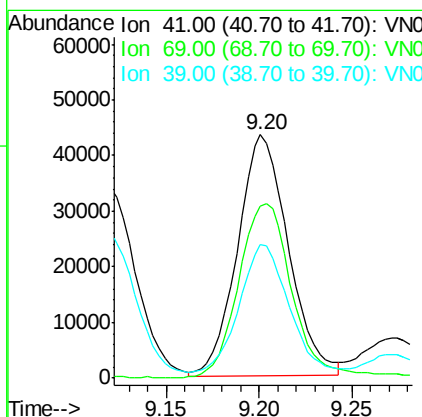
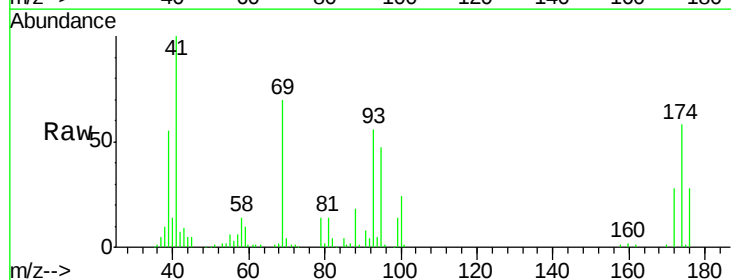
Manual Integrations
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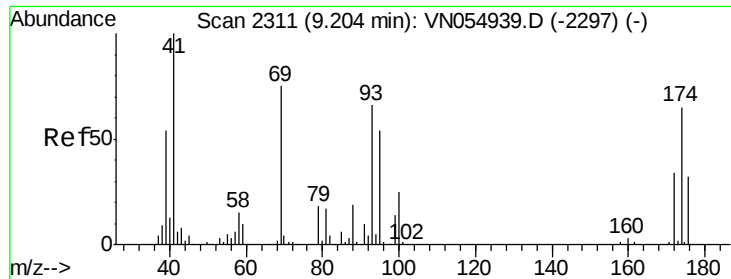
MMDadoda
 4/8/2019 1:43:28 PM



#48
 Methyl methacrylate
 Concen: 20.279 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	82711		
69	76.5	58.9	88.3	
39	55.2	44.2	66.4	





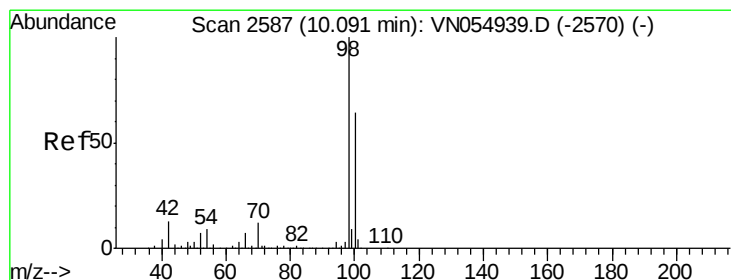
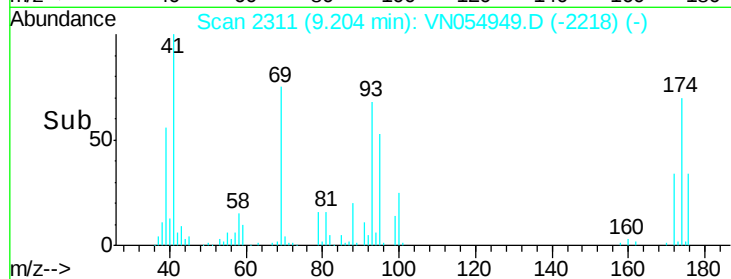
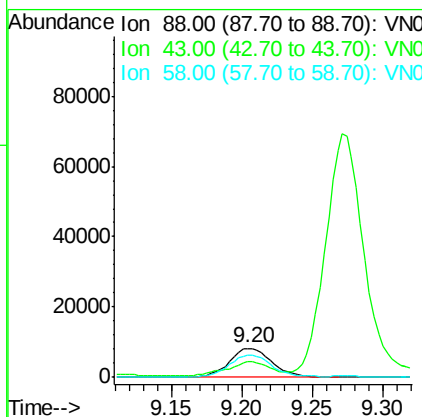
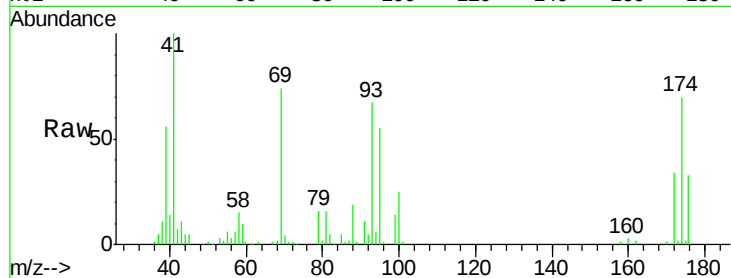
#49
1,4-Dioxane
Concen: 422.180 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.5	31.5	47.3
58	79.0	61.9	92.9

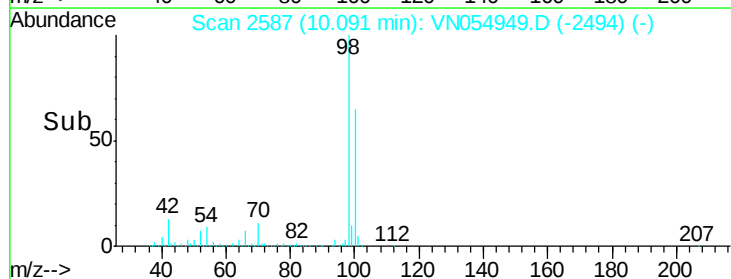
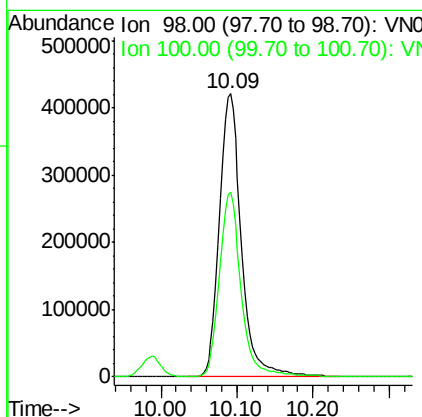
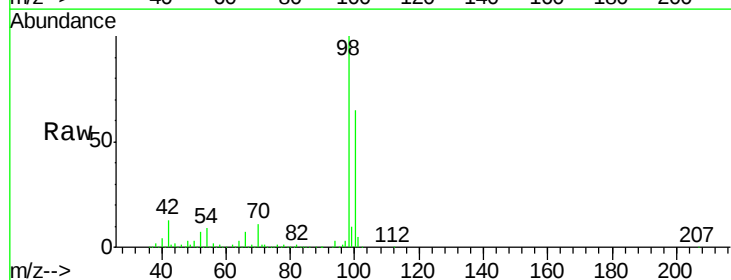
Manual Integrations
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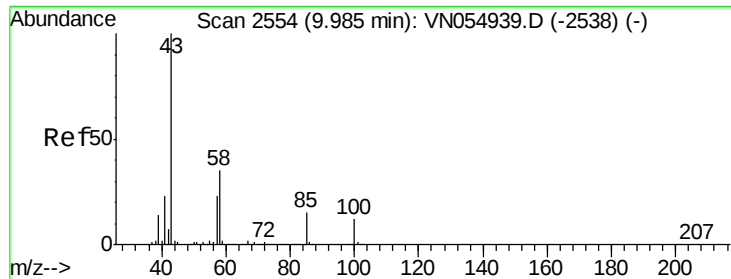
MMDadoda
4/8/2019 1:43:28 PM



#50
Toluene-d8
Concen: 49.008 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 105.665 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 43 Resp: 474930

Ion Ratio Lower Upper

43 100

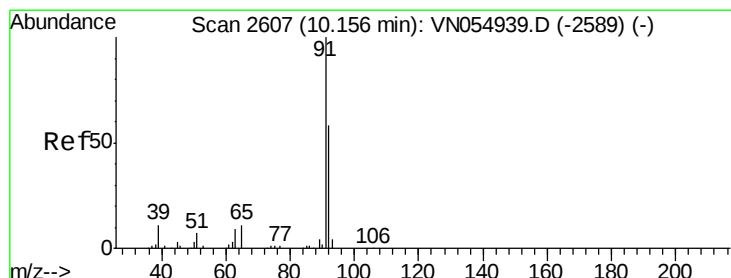
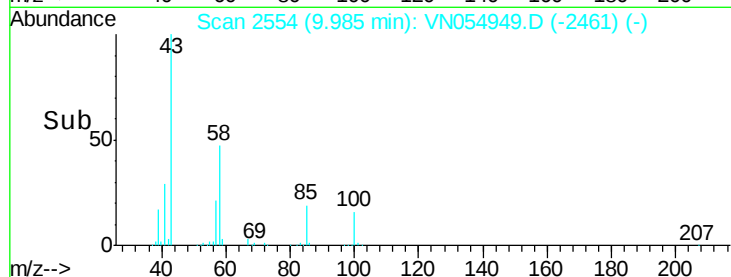
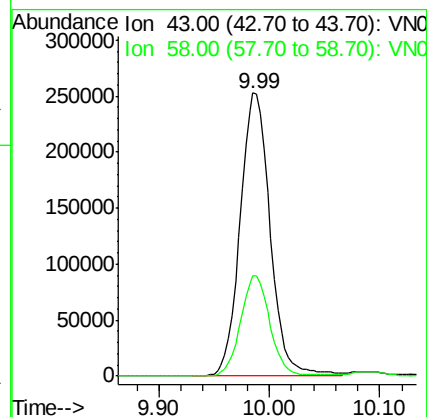
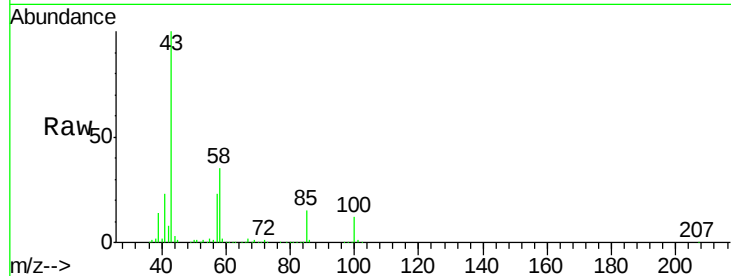
58 35.0 28.3 42.5

Manual Integrations

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#52

Toluene

Concen: 20.325 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054949.D

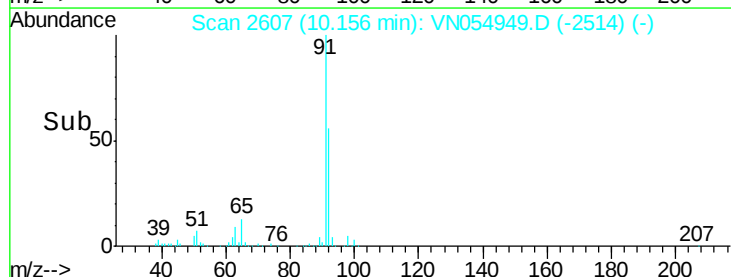
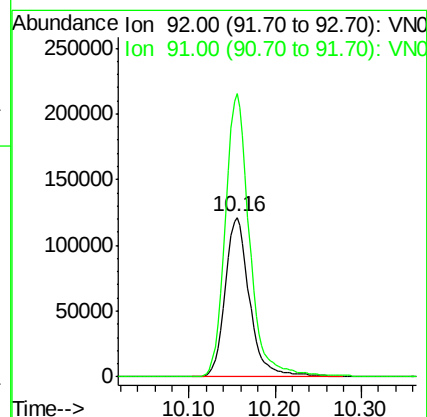
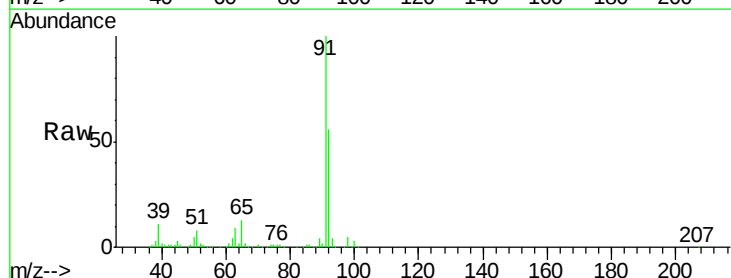
Acq: 4 Apr 2019 15:59

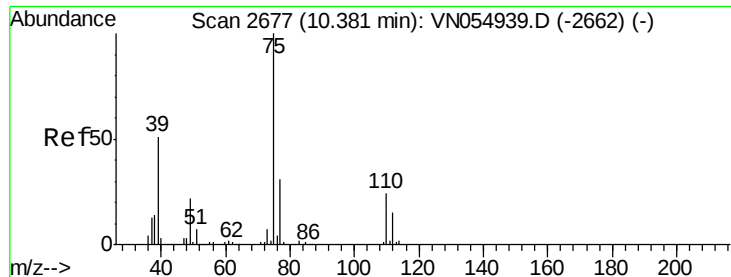
Tgt Ion: 92 Resp: 240142

Ion Ratio Lower Upper

92 100

91 177.8 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.952 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 75 Resp: 121356

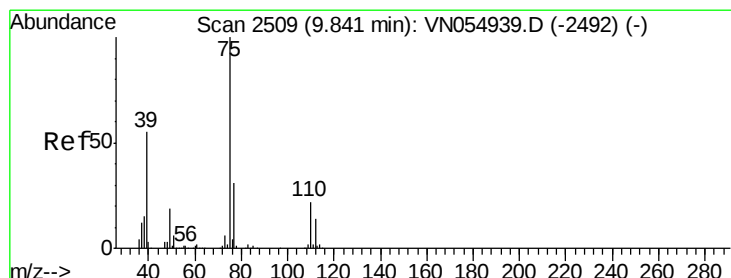
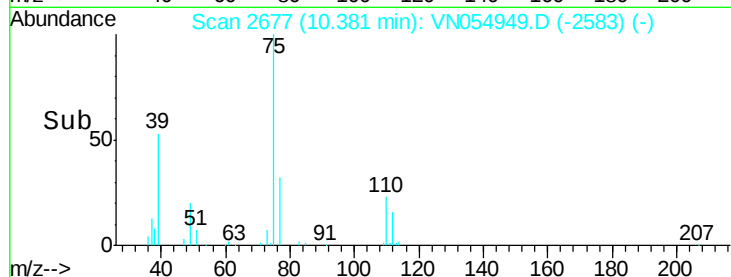
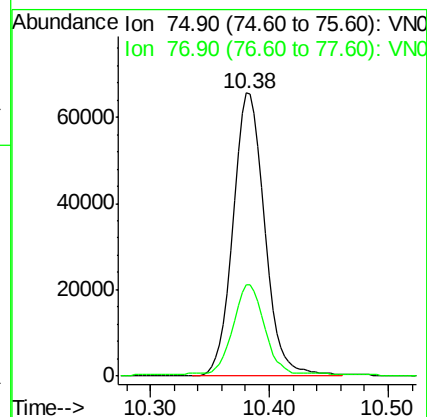
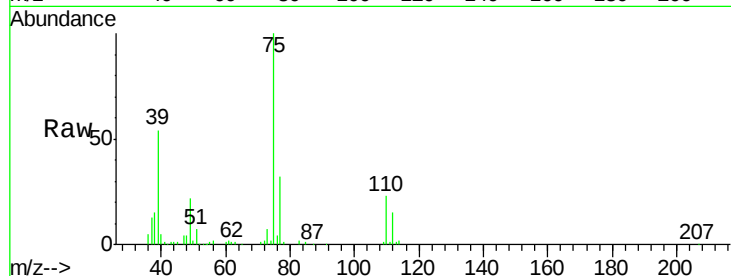
Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

Manual Integrations
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4/8/2019 1:43:28 PM



#54

cis-1,3-Dichloropropene

Concen: 20.538 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

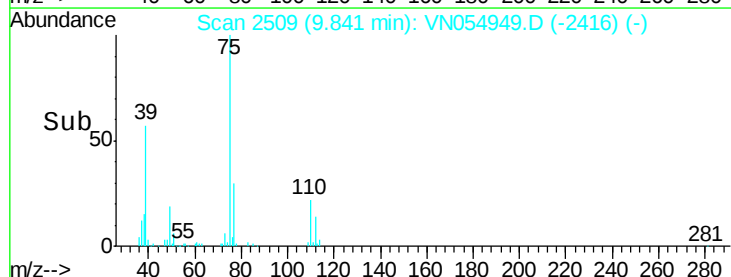
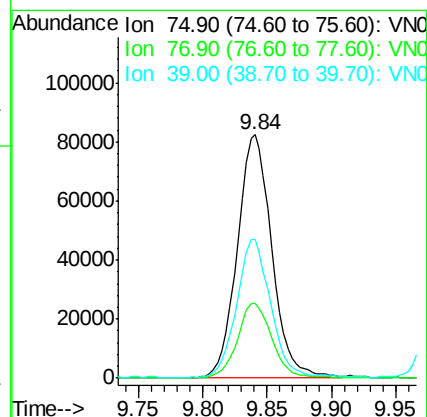
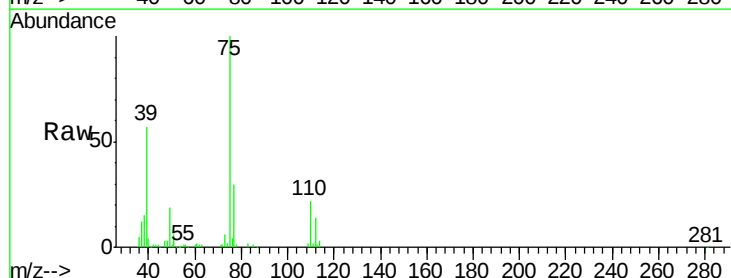
Tgt Ion: 75 Resp: 153771

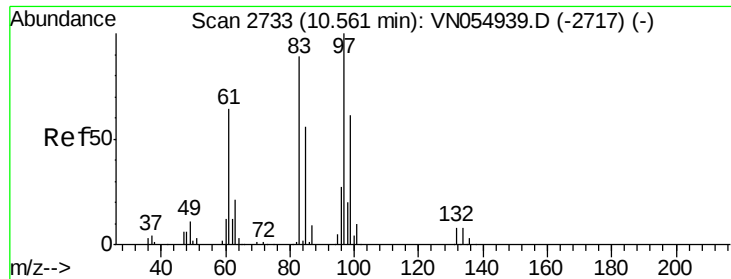
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 56.4 43.9 65.9





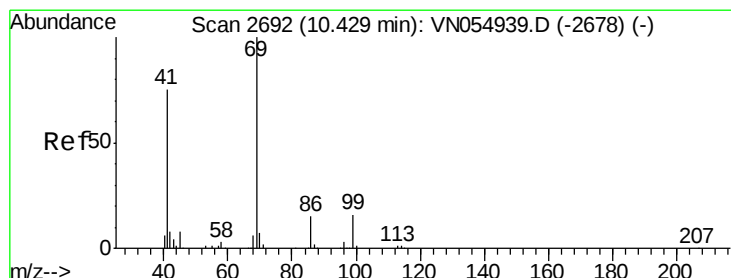
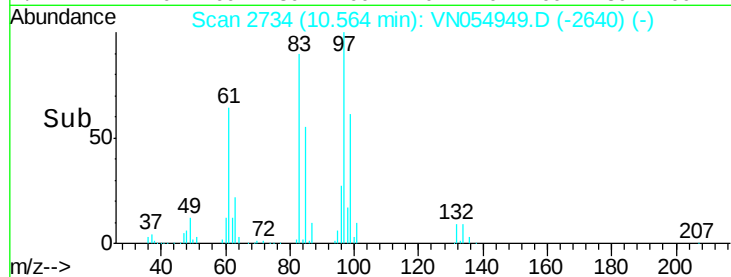
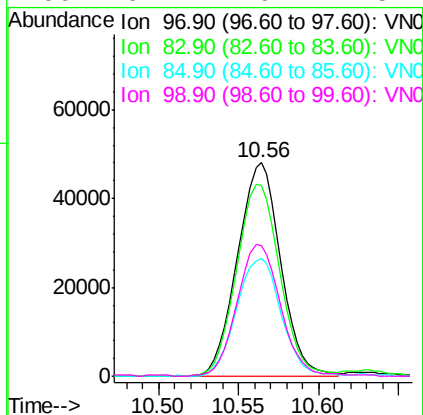
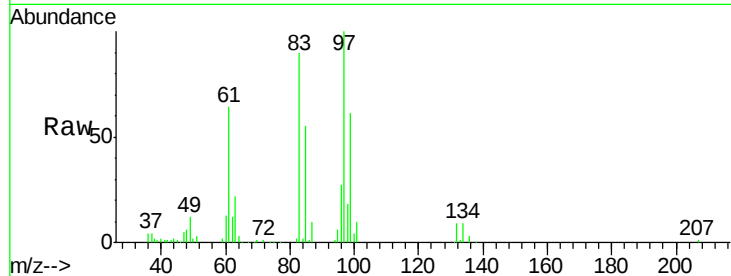
#55
 1,1,2-Trichloroethane
 Concen: 20.688 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion:	97	Resp:	88622
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.5	107.3
85	54.9	45.0	67.6
99	61.2	49.1	73.7

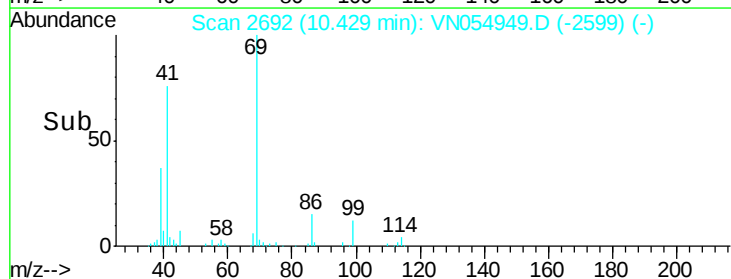
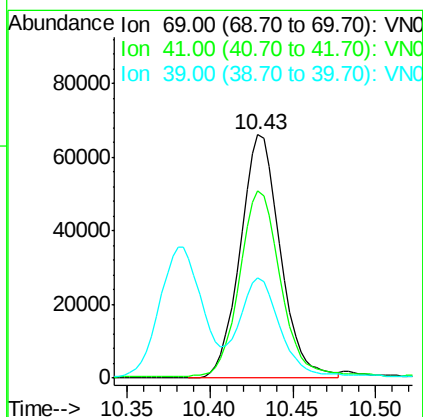
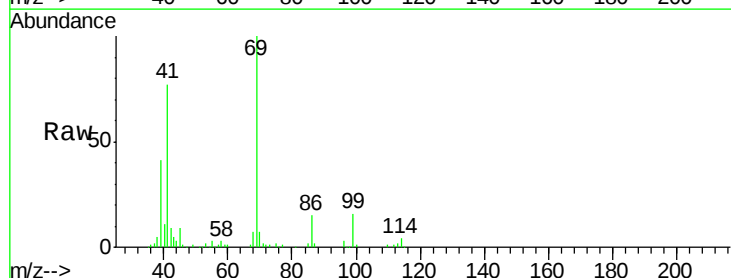
Manual Integrations
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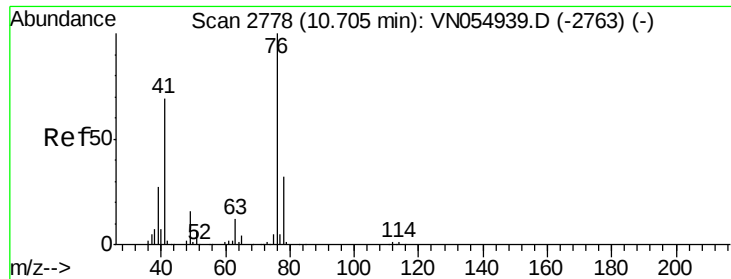
MMDadoda
 4/8/2019 1:43:28 PM



#56
 Ethyl methacrylate
 Concen: 19.867 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion:	69	Resp:	111272
Ion	Ratio	Lower	Upper
69	100		
41	78.6	60.2	90.2
39	38.6	31.3	46.9





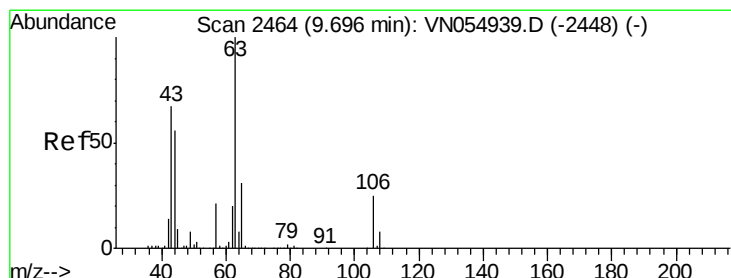
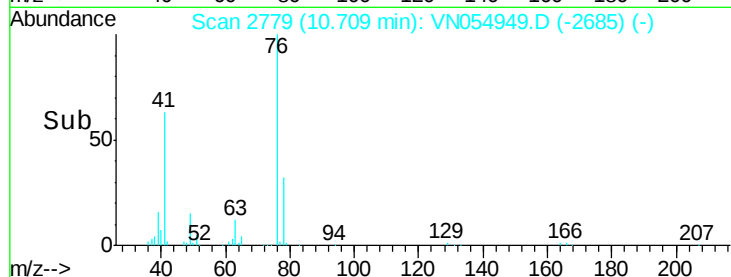
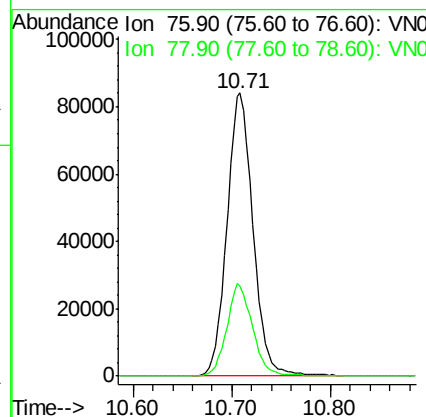
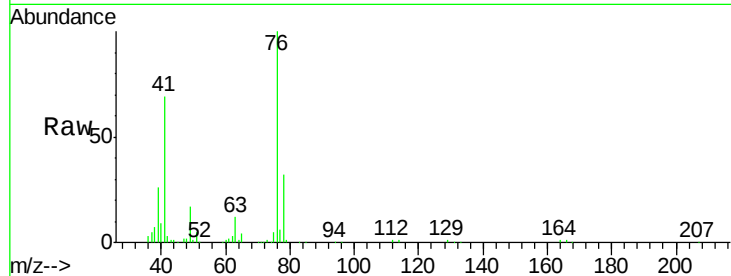
#57
 1,3-Dichloropropane
 Concen: 20.842 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion: 76 Resp: 155925
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

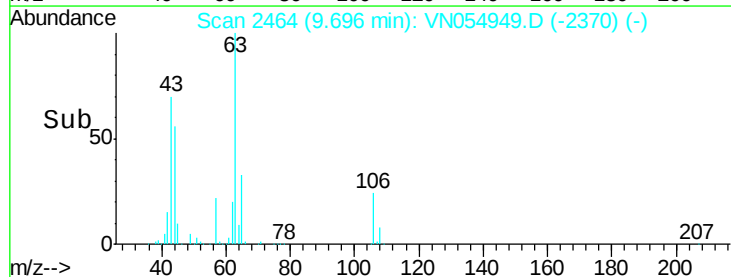
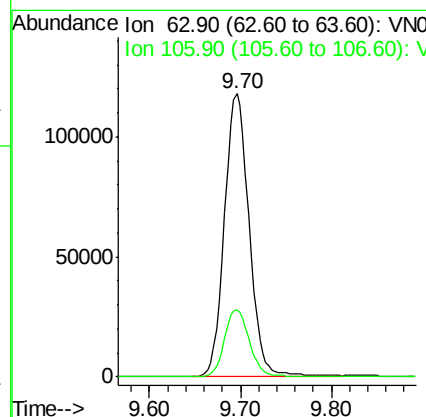
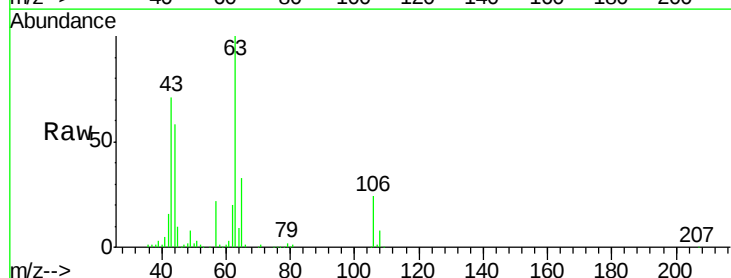
Manual Integrations
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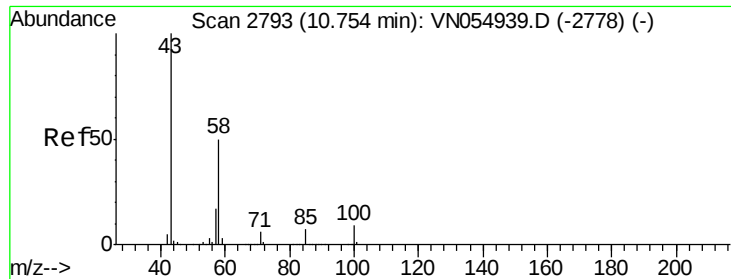
MMDadoda
 4/8/2019 1:43:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.213 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 63 Resp: 223672
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.7 29.5





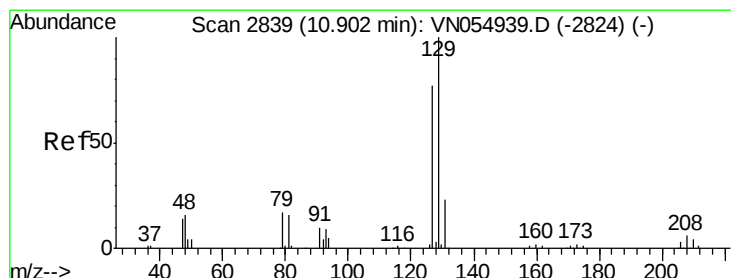
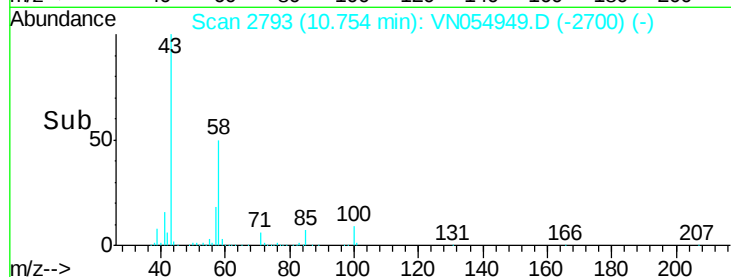
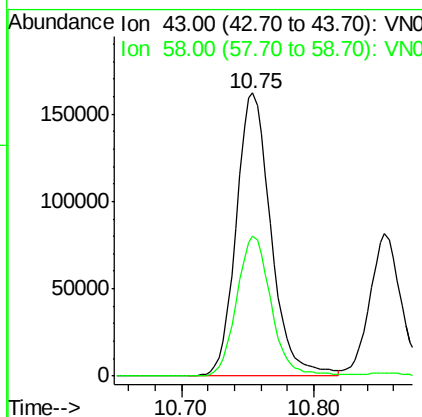
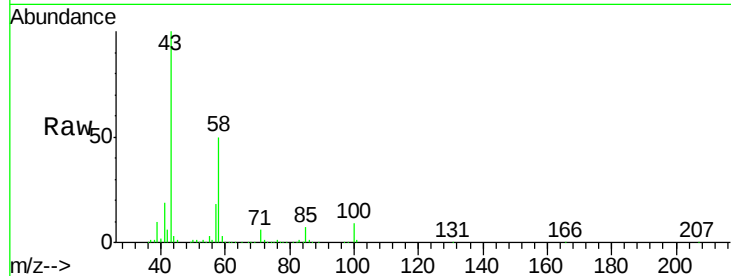
#59
2-Hexanone
Concen: 104.210 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion: 43 Resp: 292562
Ion Ratio Lower Upper
43 100
58 49.5 24.6 73.8

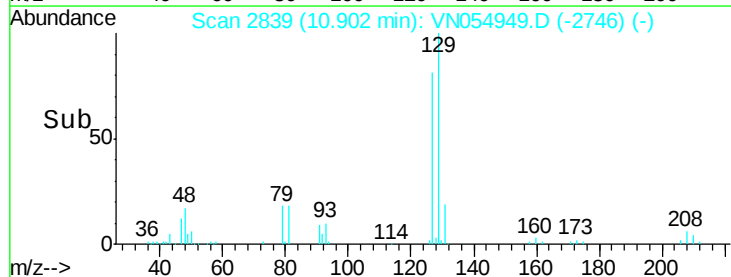
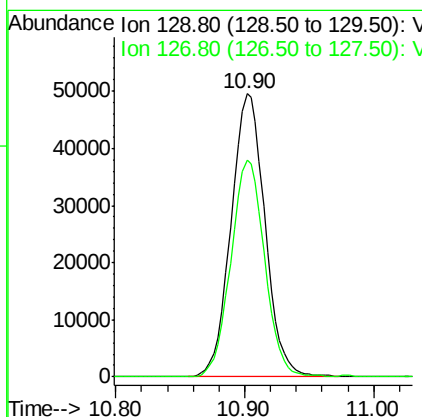
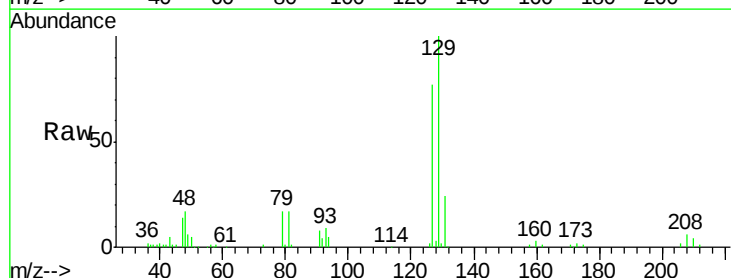
Manual Integrations
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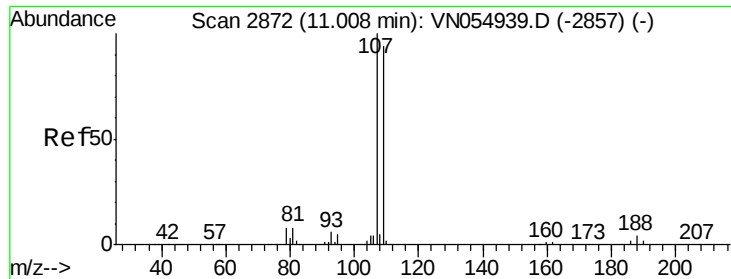
MMDadoda
4/8/2019 1:43:28 PM



#60
Dibromochloromethane
Concen: 20.180 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 129 Resp: 90551
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2





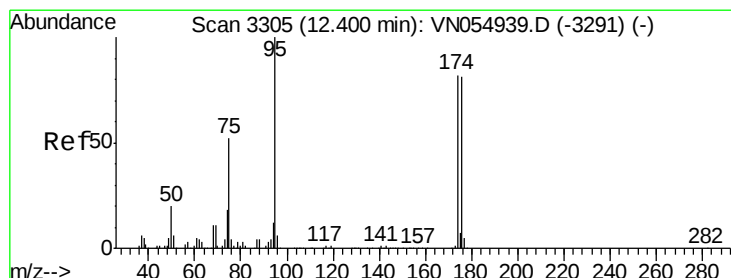
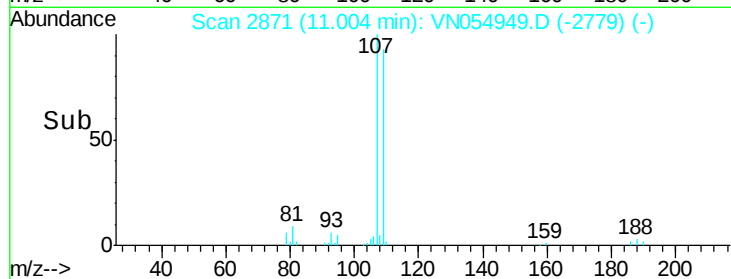
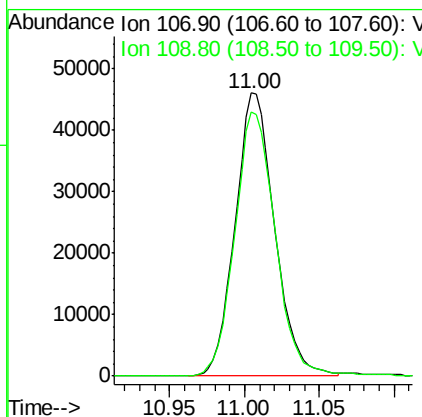
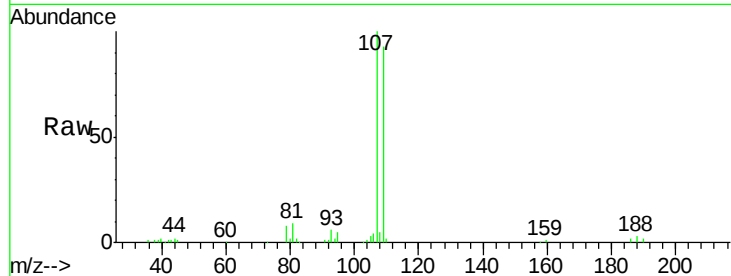
#61
 1,2-Dibromoethane
 Concen: 21.075 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBSD01

Tgt Ion: 107 Resp: 84887
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0

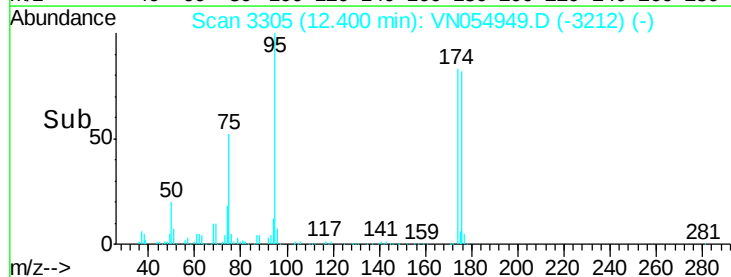
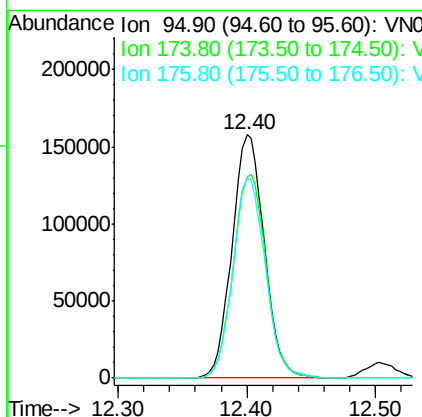
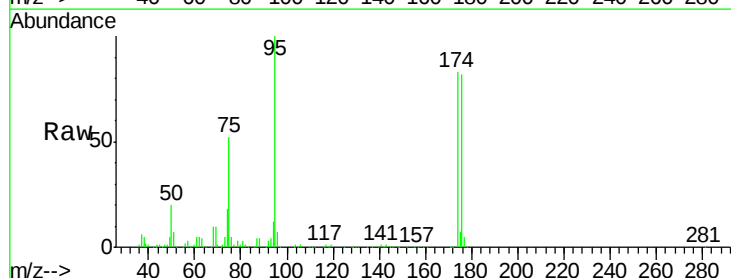
Manual Integrations
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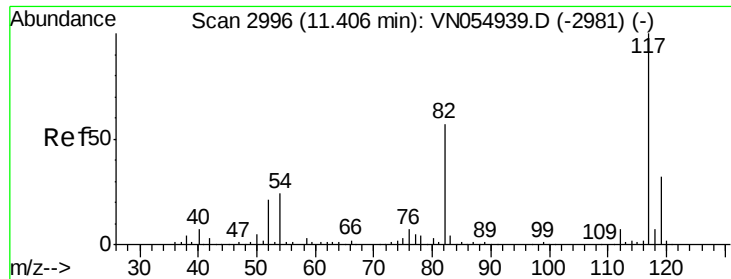
MMDadoda
 4/8/2019 1:43:28 PM



#62
 4-Bromofluorobenzene
 Concen: 47.311 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion: 95 Resp: 274177
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 166.2
 176 82.8 0.0 163.2





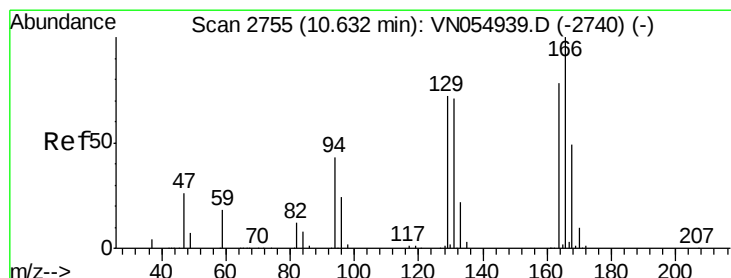
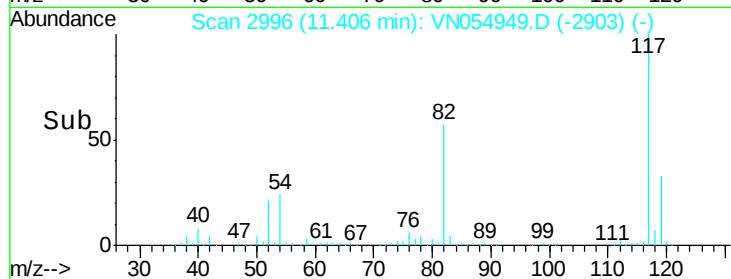
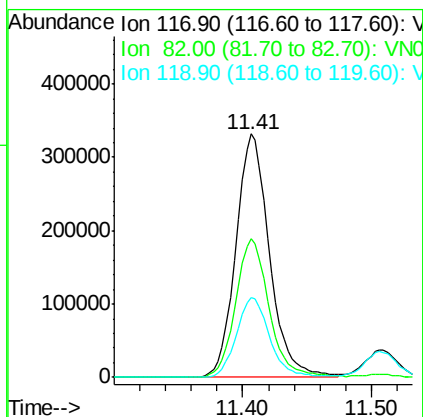
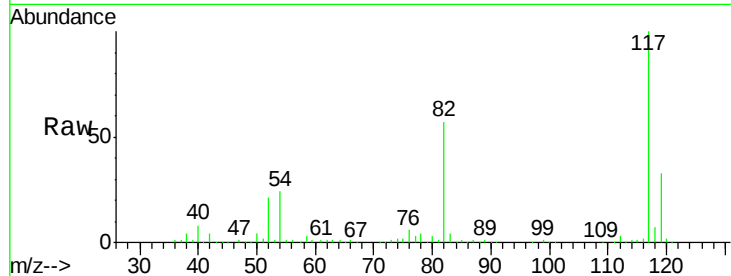
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion:117 Resp: 600413
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.8 25.8 38.6

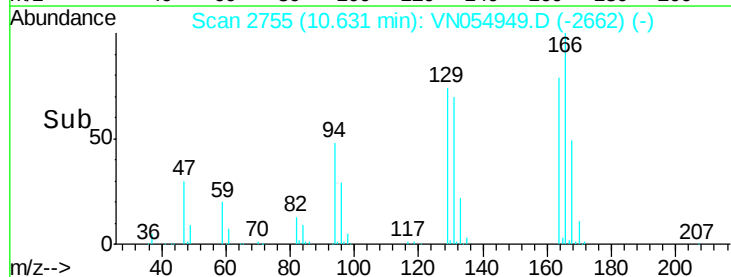
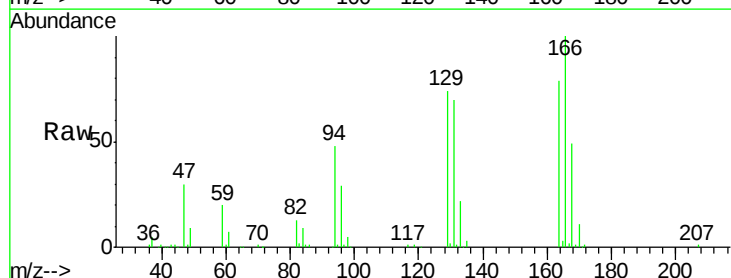
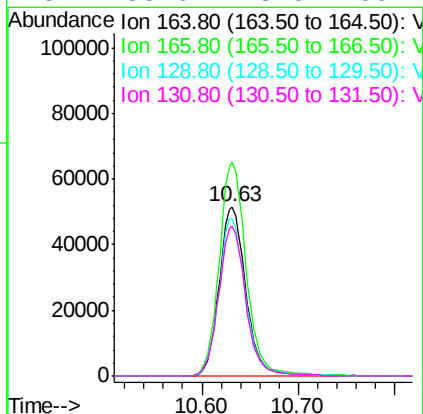
Manual Integrations
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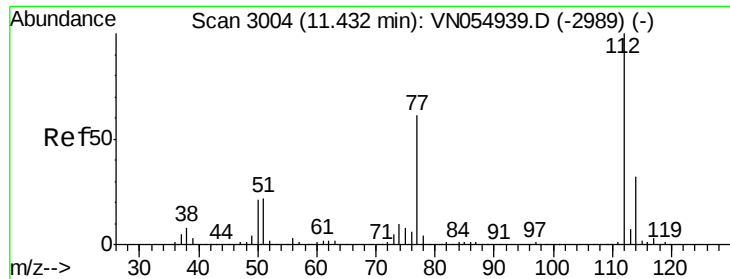
MMDadoda
4/8/2019 1:43:28 PM



#64
Tetrachloroethene
Concen: 20.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion:164 Resp: 98486
Ion Ratio Lower Upper
164 100
166 126.3 103.1 154.7
129 93.1 73.9 110.9
131 88.6 73.0 109.4





#65

Chlorobenzene

Concen: 20.760 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion:112 Resp: 254071

Ion Ratio Lower Upper

112 100

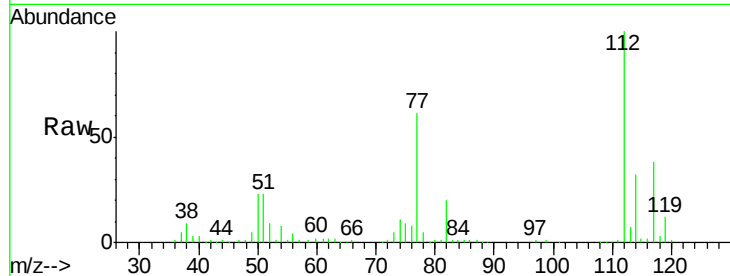
114 31.9 25.4 38.0

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

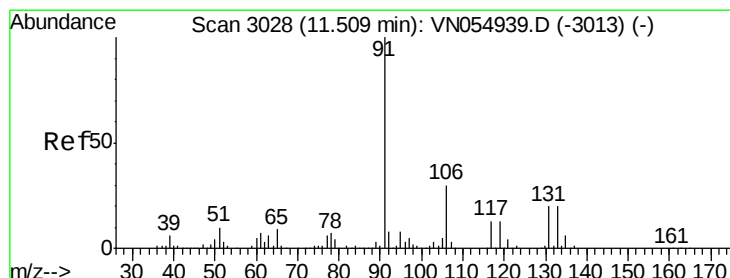
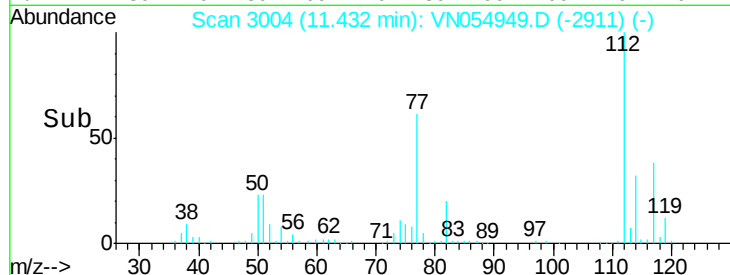
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.206 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

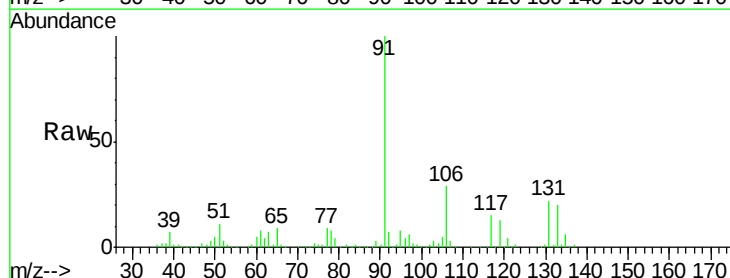
Tgt Ion:131 Resp: 95020

Ion Ratio Lower Upper

131 100

133 93.6 48.1 144.4

119 65.3 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

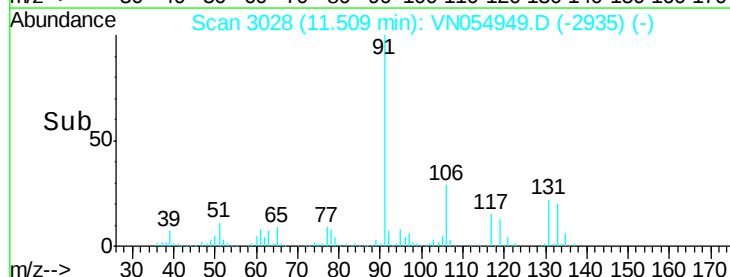
60000

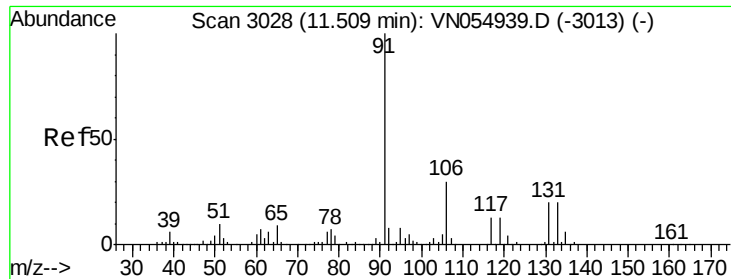
40000

20000

0

Time-->





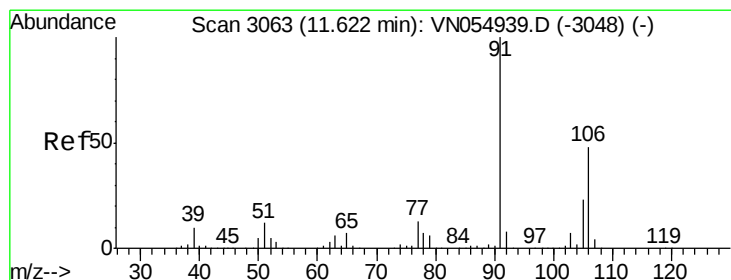
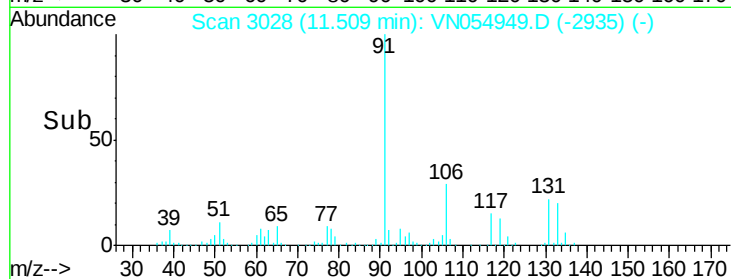
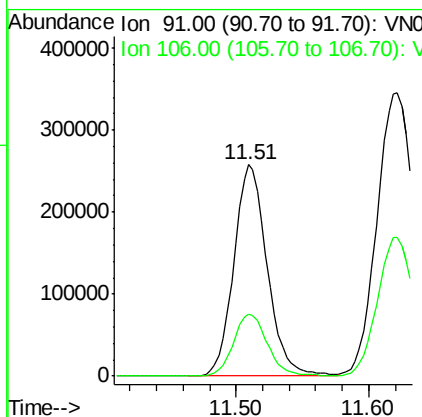
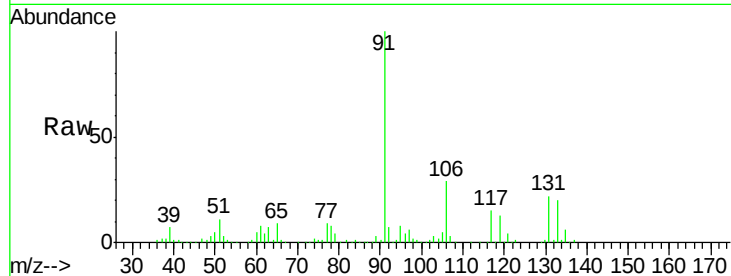
#67
Ethyl Benzene
Concen: 20.411 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion: 91 Resp: 450396
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

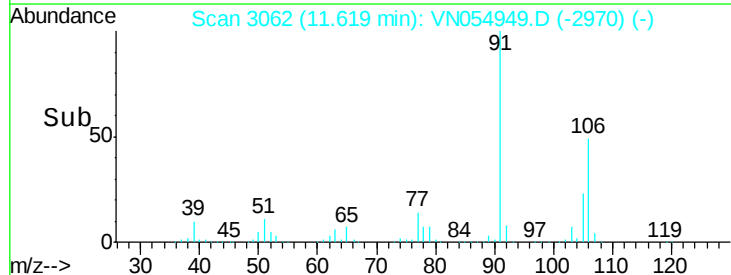
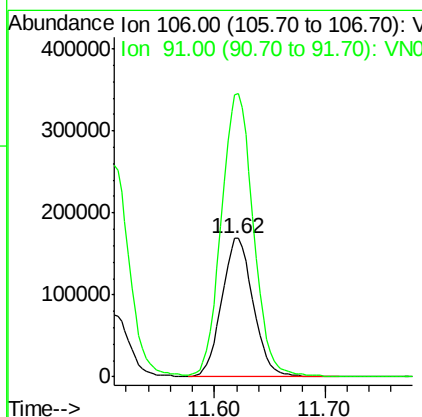
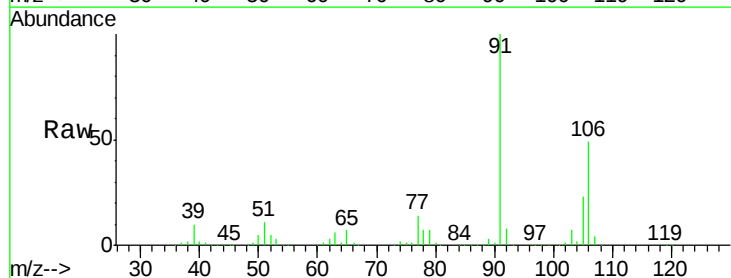
Manual Integrations
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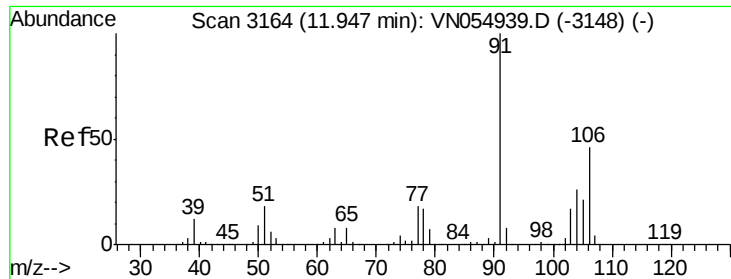
MMDadoda
4/8/2019 1:43:28 PM



#68
m/p-Xylenes
Concen: 41.408 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion: 106 Resp: 334015
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2





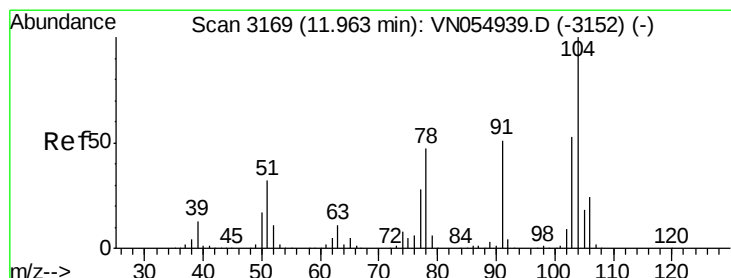
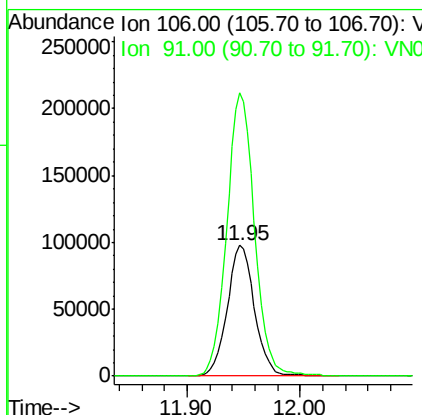
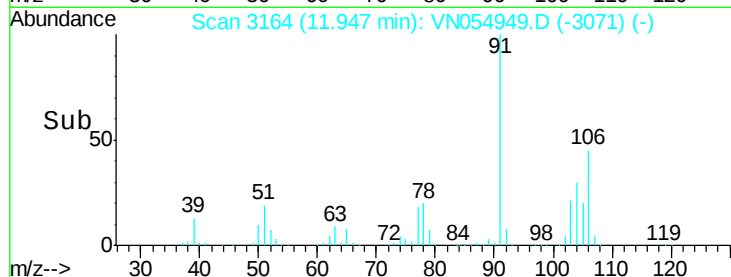
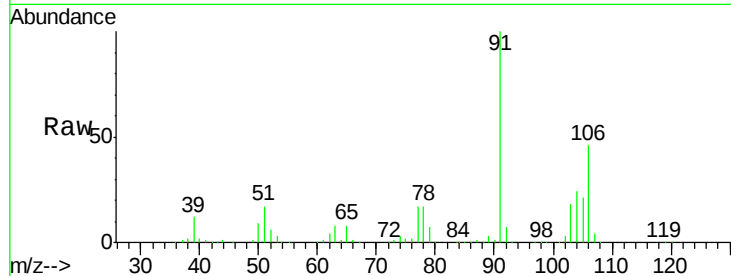
#69
o-Xylene
Concen: 20.786 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion:106 Resp: 163543
Ion Ratio Lower Upper
106 100
91 220.0 109.9 329.7

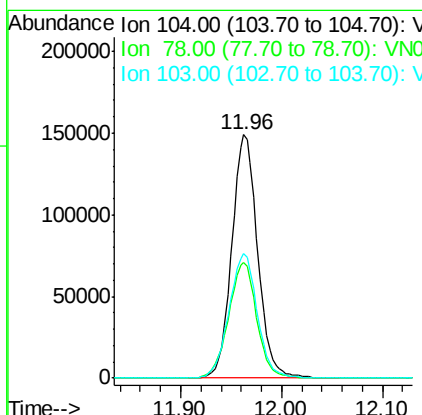
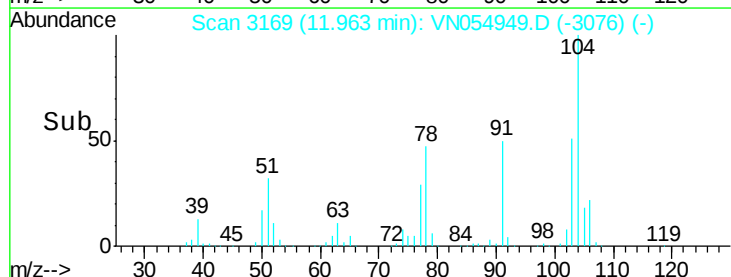
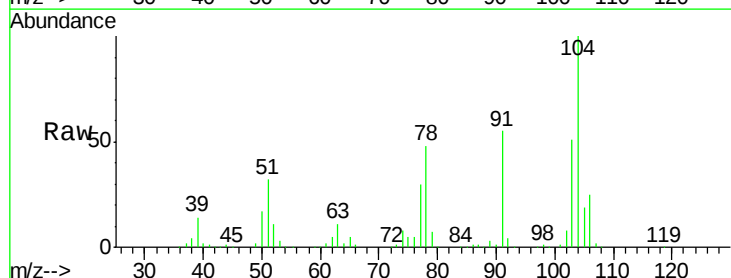
Manual Integrations
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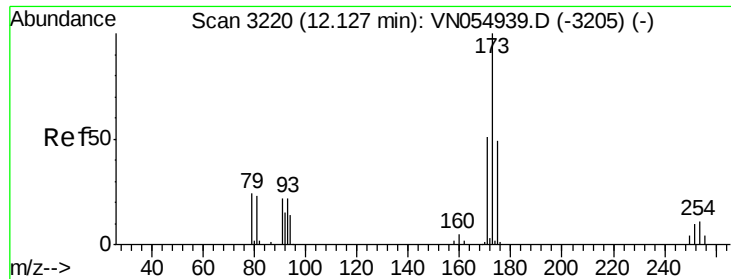
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#70
Styrene
Concen: 21.042 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion:104 Resp: 265563
Ion Ratio Lower Upper
104 100
78 52.0 41.1 61.7
103 56.2 45.0 67.4





#71

Bromoform

Concen: 19.802 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

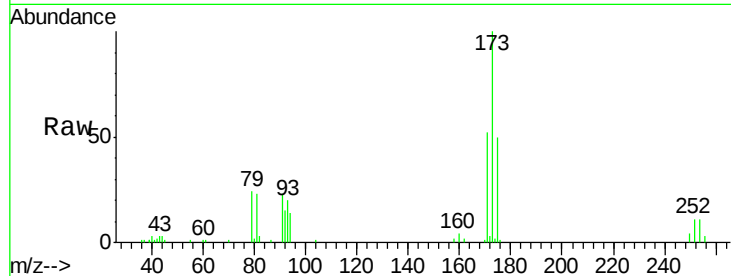
ClientSampleId :

VN0404WBSD01

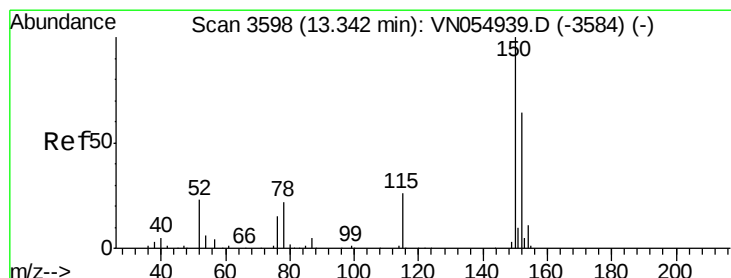
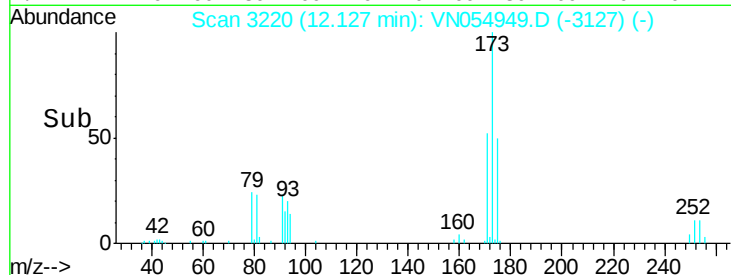
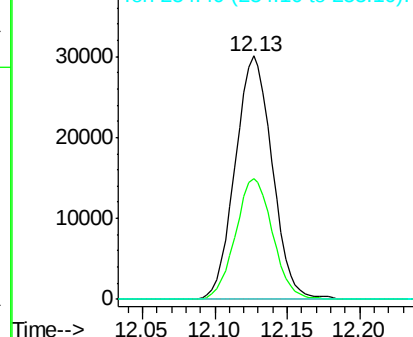
Tgt Ion:	173	Resp:	53333
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.1	72.4
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

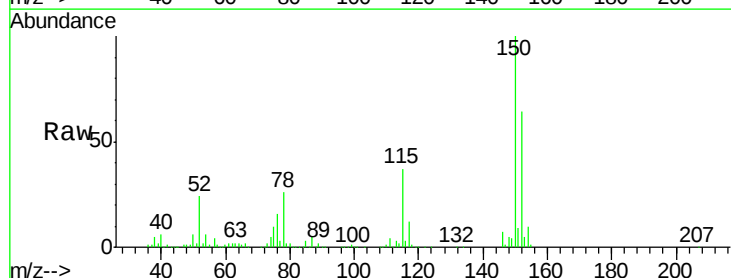
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

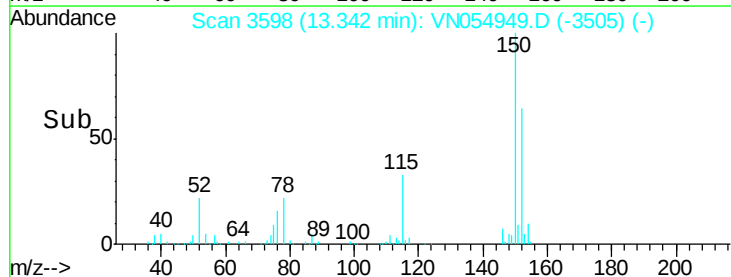
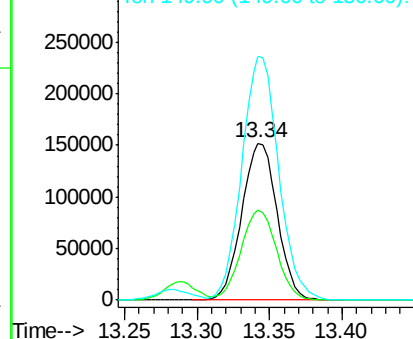
Lab File: VN054949.D

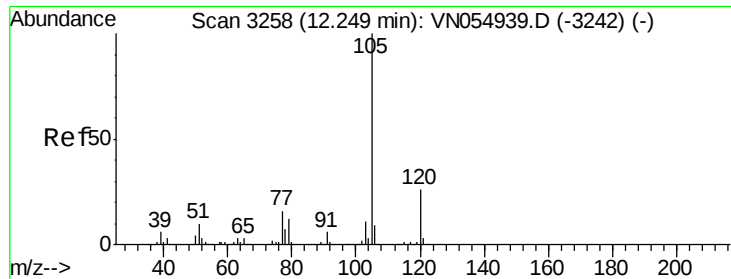
Acq: 4 Apr 2019 15:59

Tgt Ion:	152	Resp:	258377
Ion Ratio	Lower	Upper	
152	100		
115	57.4	28.9	86.8
150	161.5	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.757 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 105 Resp: 431213

Ion Ratio Lower Upper

105 100

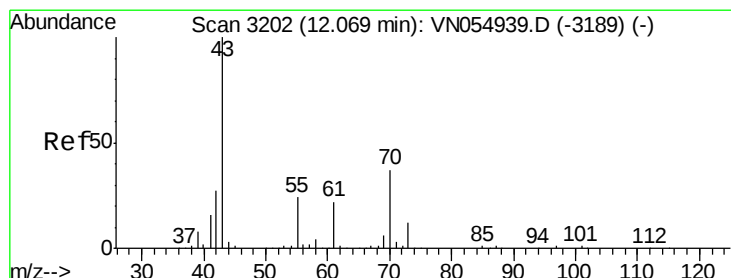
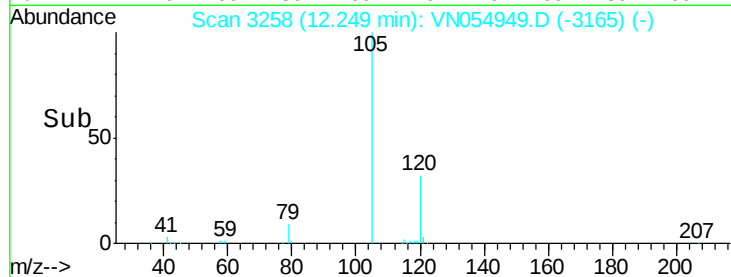
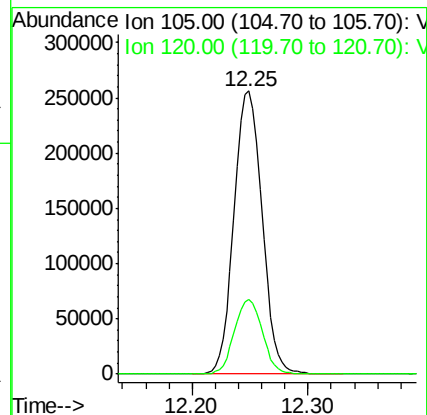
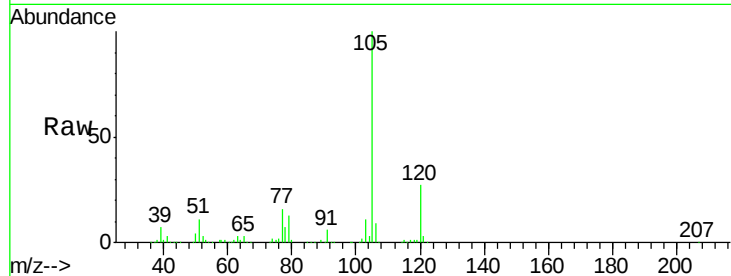
120 26.4 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.292 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion: 43 Resp: 129173

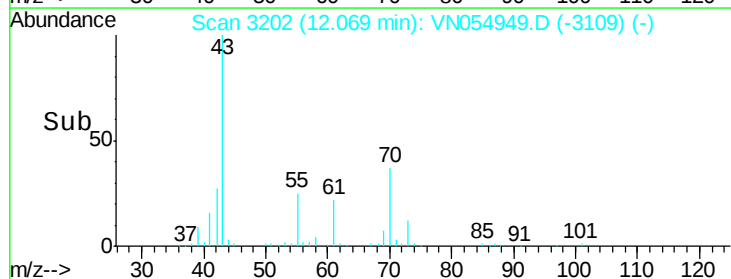
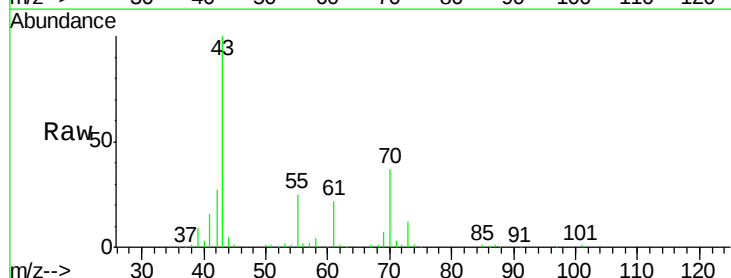
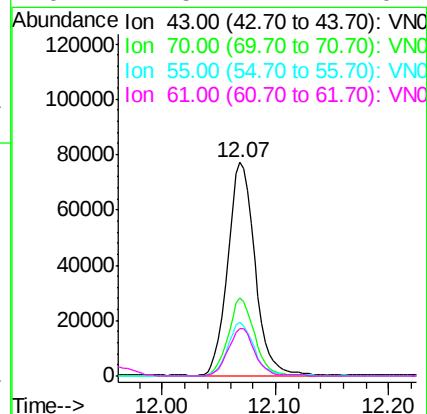
Ion Ratio Lower Upper

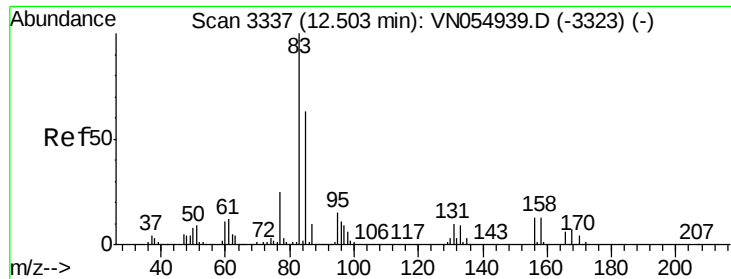
43 100

70 35.5 29.3 43.9

55 24.2 19.2 28.8

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

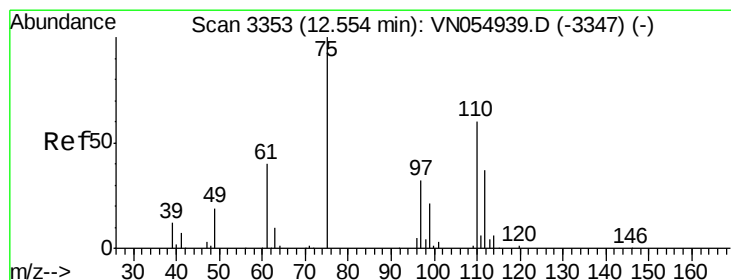
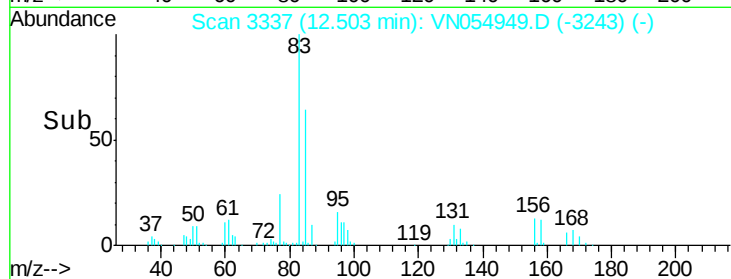
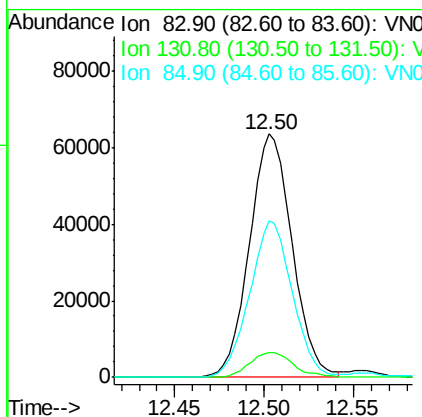
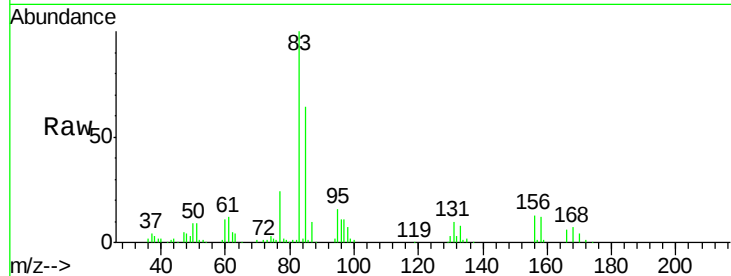
ClientSampleId :

VN0404WBSD01

Tgt Ion:	83	Resp:	106650
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	63.9	31.4	94.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.950 ug/l m

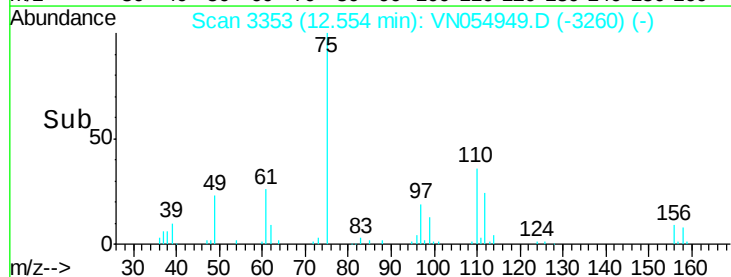
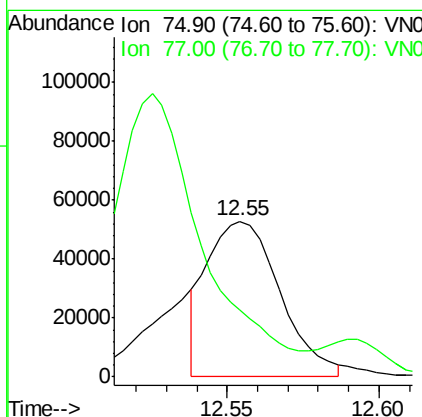
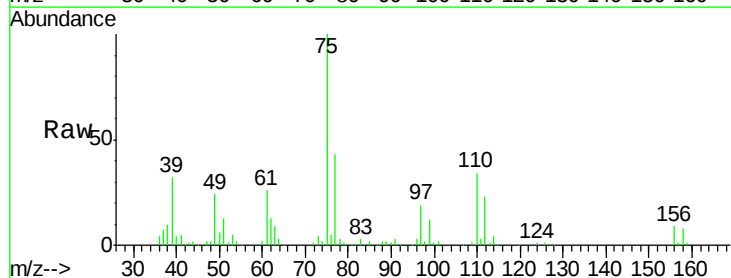
RT: 12.55 min Scan# 3353

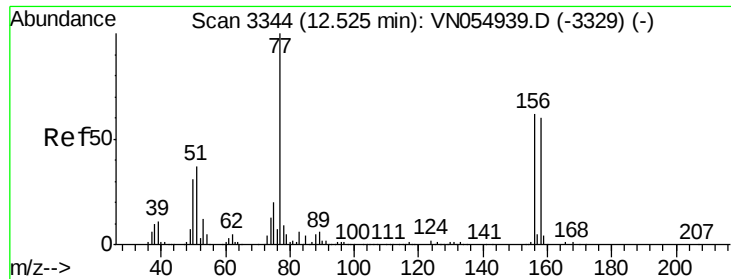
Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion:	75	Resp:	88190
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.811 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

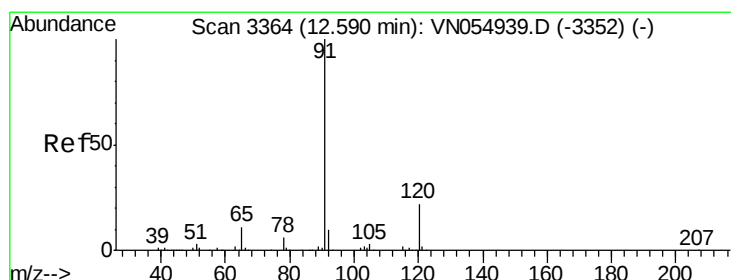
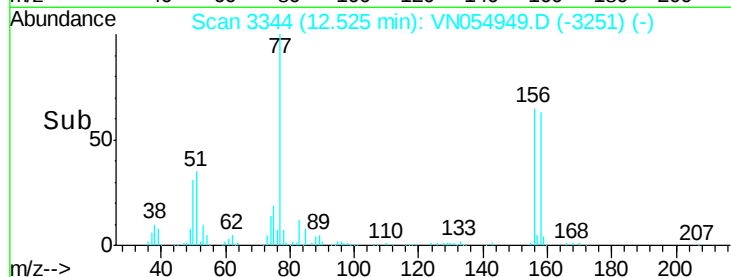
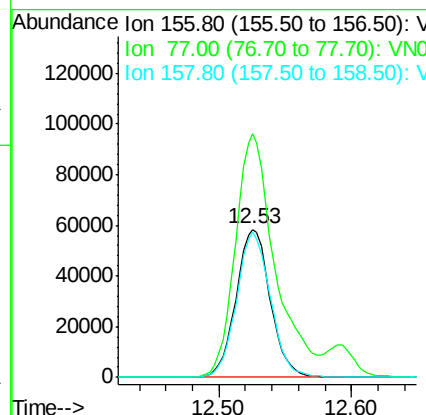
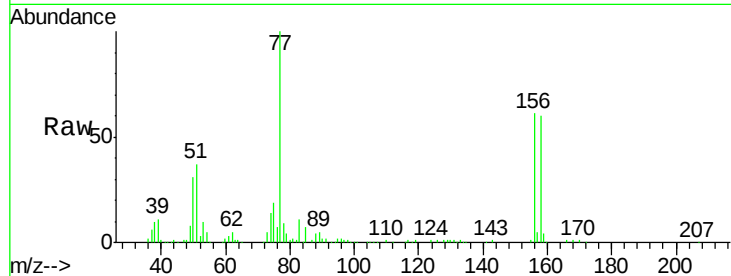
ClientSampleId :

VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	189.7	93.1	279.3
158	97.2	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.958 ug/l

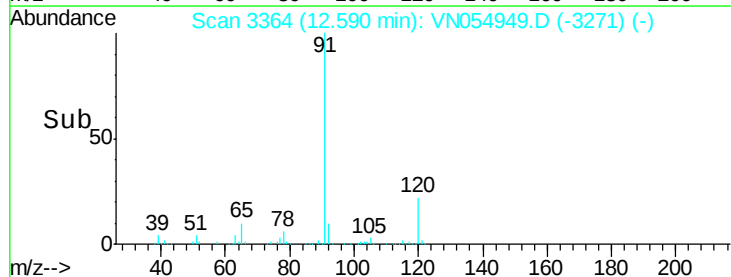
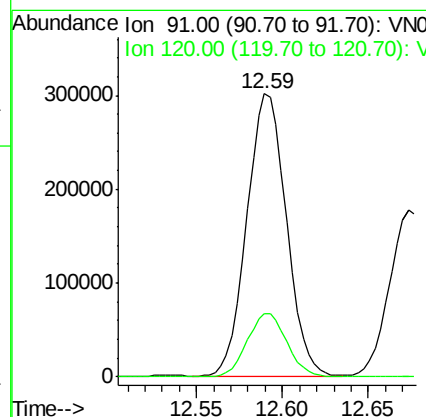
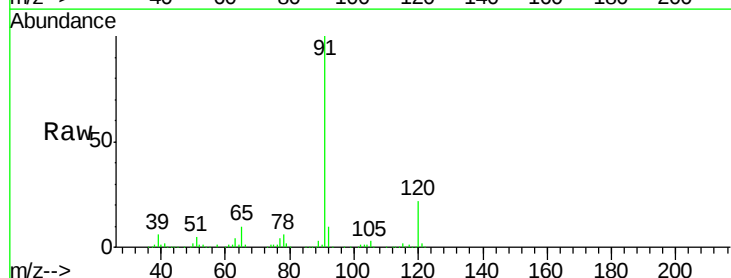
RT: 12.59 min Scan# 3364

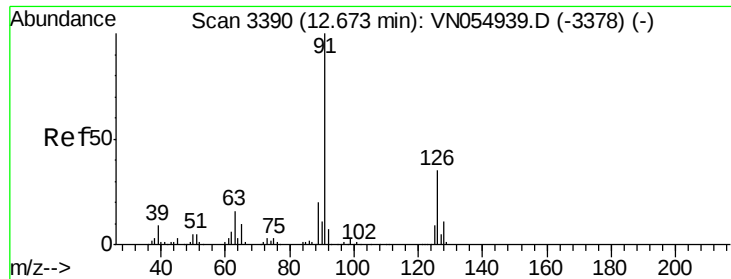
Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.6





#79

2-Chlorotoluene

Concen: 19.648 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBSD01

Tgt Ion: 91 Resp: 292809

Ion Ratio Lower Upper

91 100

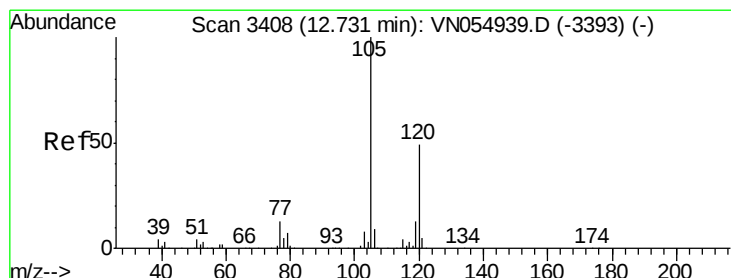
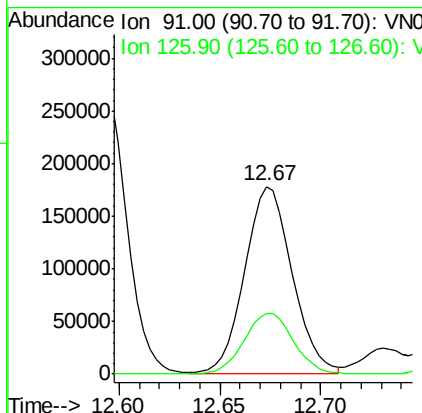
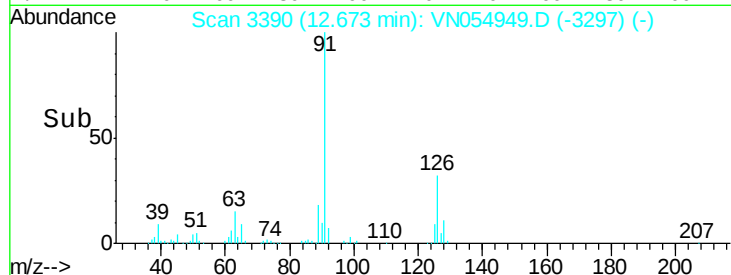
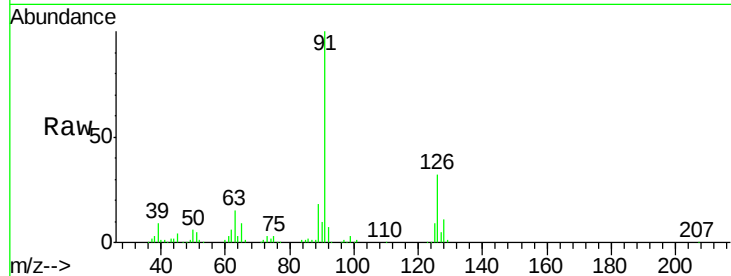
126 34.1 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.104 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054949.D

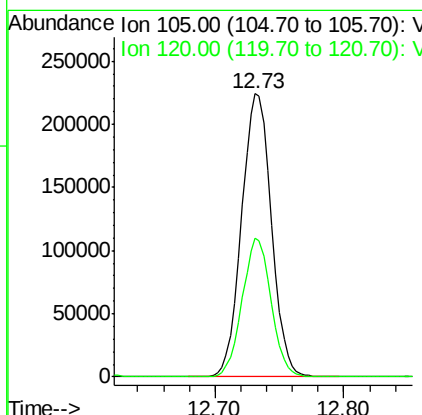
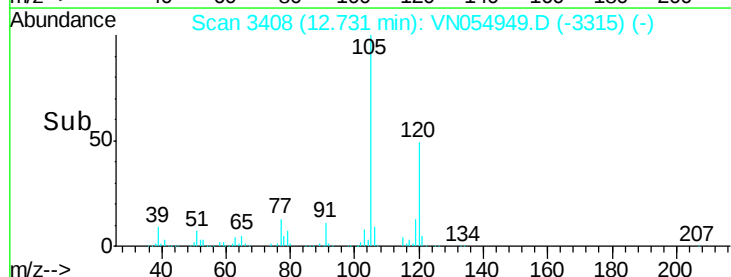
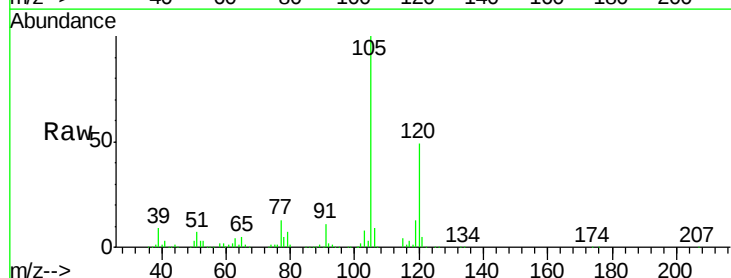
Acq: 4 Apr 2019 15:59

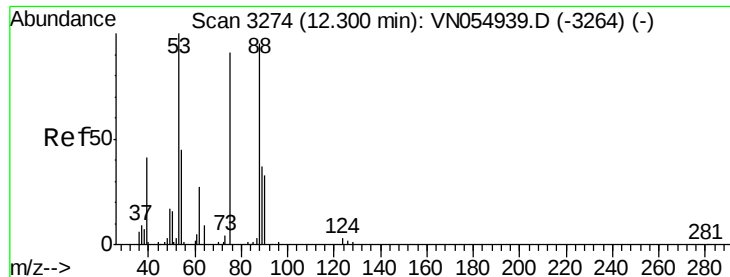
Tgt Ion: 105 Resp: 360360

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.620 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

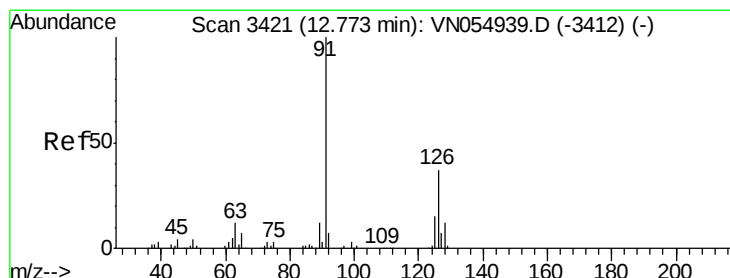
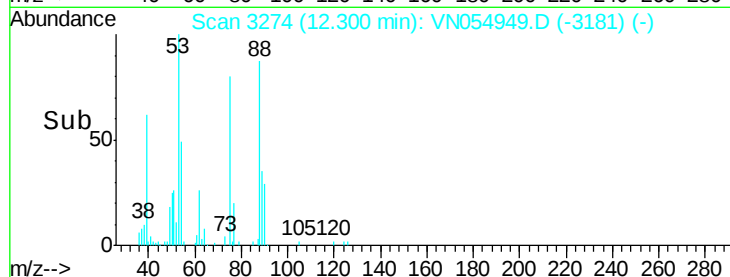
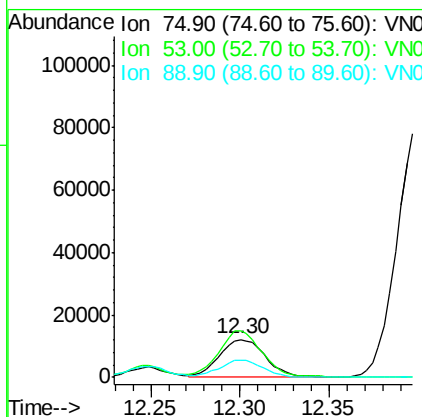
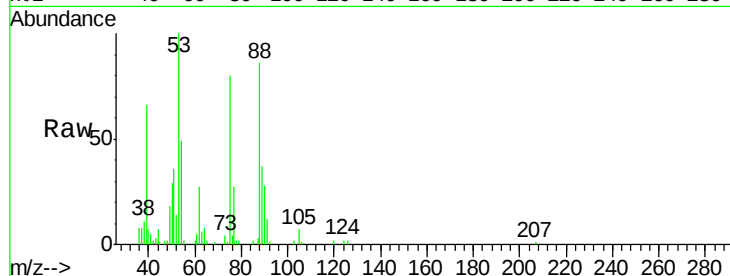
ClientSampleId :

VN0404WBSD01

Tgt Ion:	75	Resp:	21946
Ion	Ratio	Lower	Upper
75	100		
53	117.7	92.8	139.2
89	42.9	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.313 ug/l

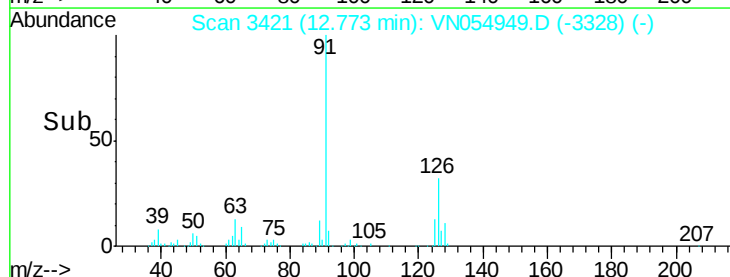
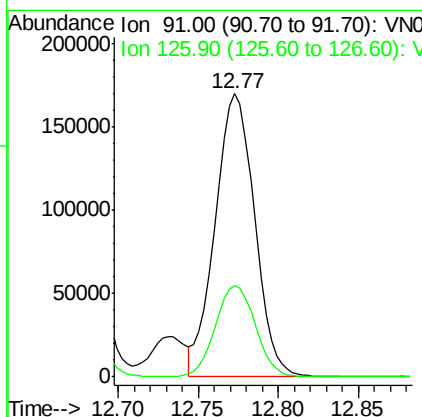
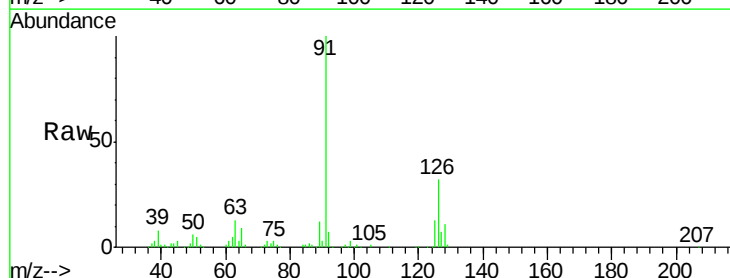
RT: 12.77 min Scan# 3421

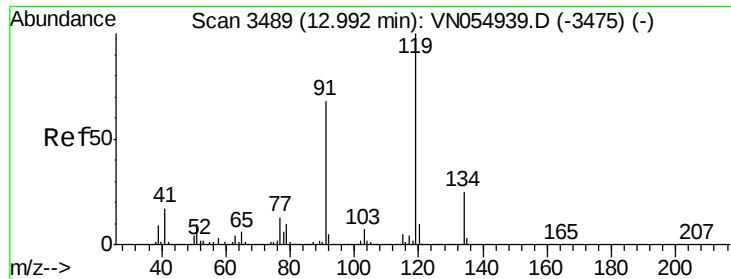
Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion:	91	Resp:	286330
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.9	50.7





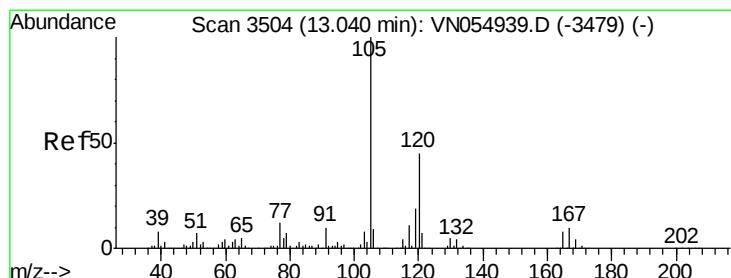
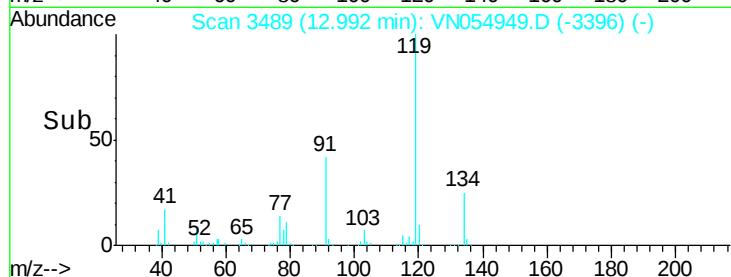
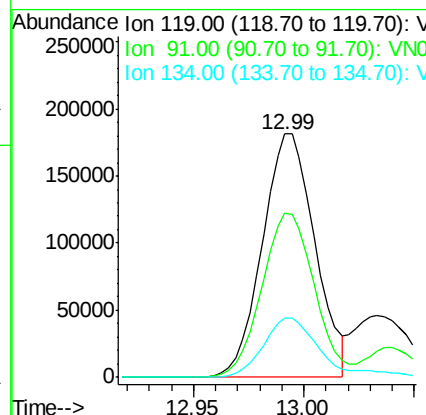
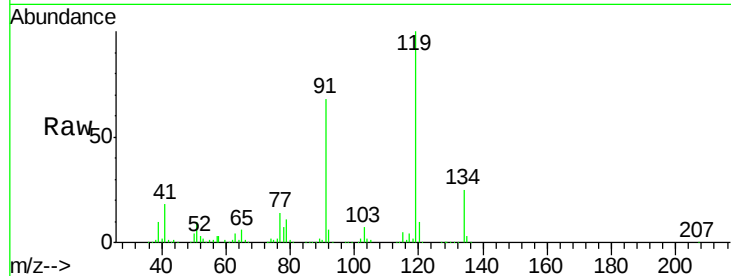
#83
 tert-Butylbenzene
 Concen: 19.618 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.5	100.5
134	26.8	12.4	37.0

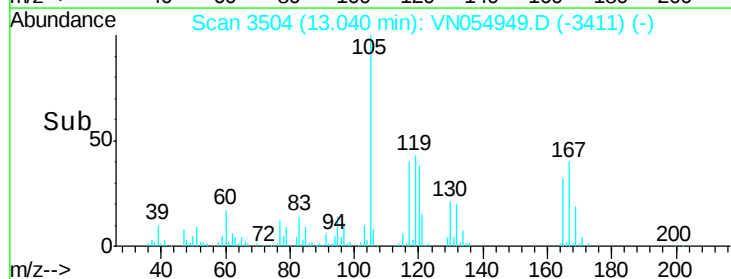
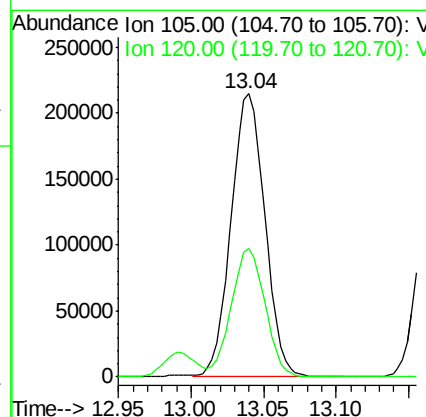
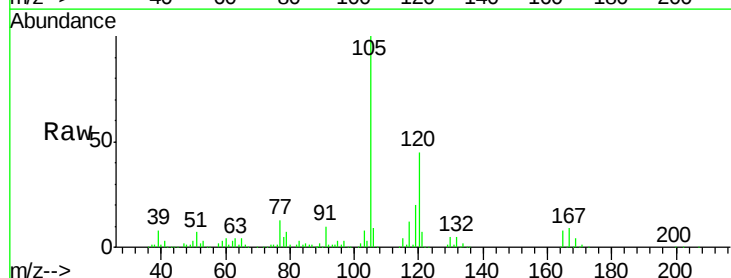
Manual Integrations
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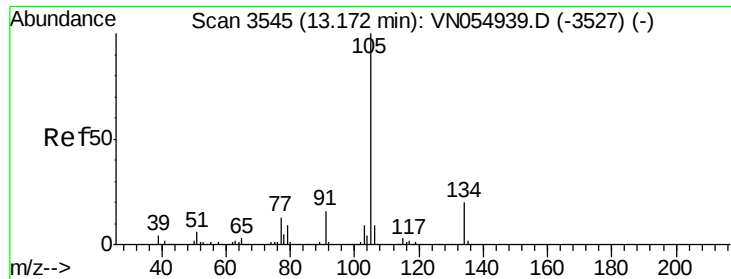
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.105 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





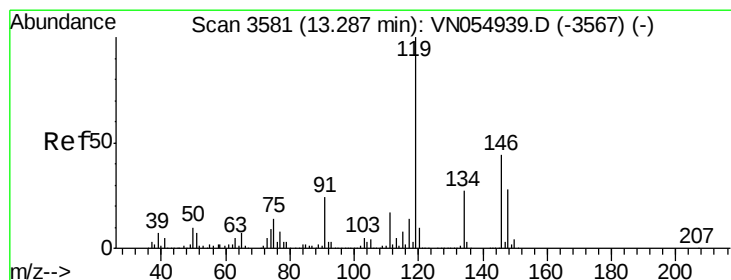
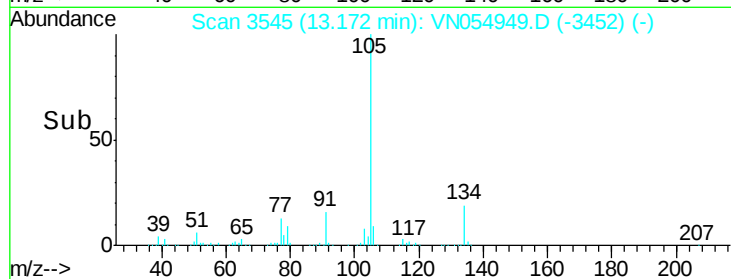
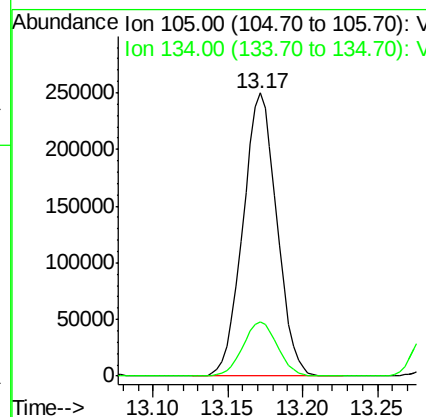
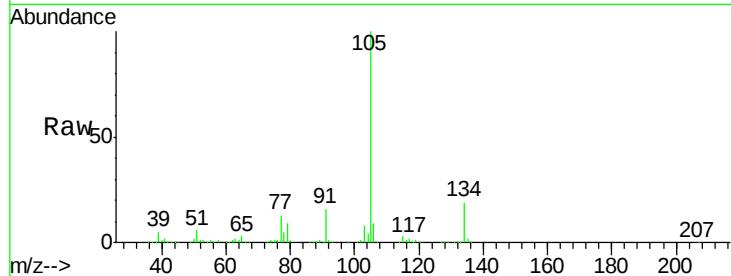
#85
 sec-Butylbenzene
 Concen: 19.955 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	393567		
134	19.6	9.8	29.5	

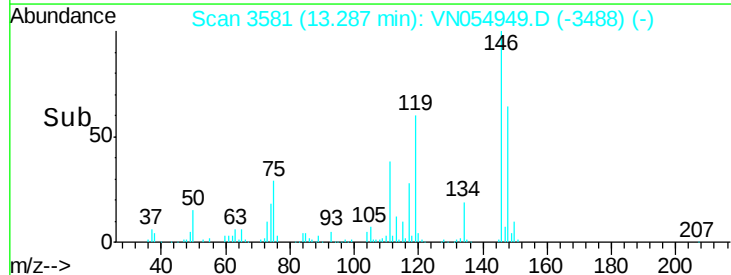
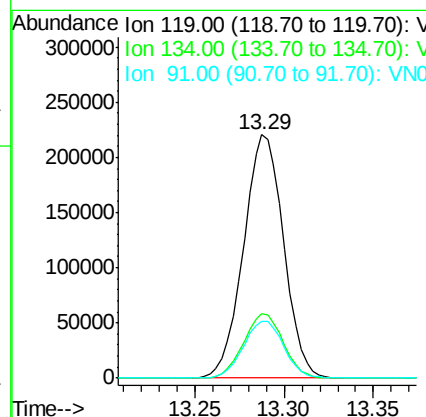
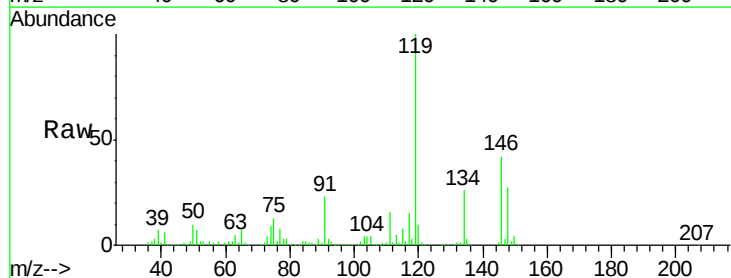
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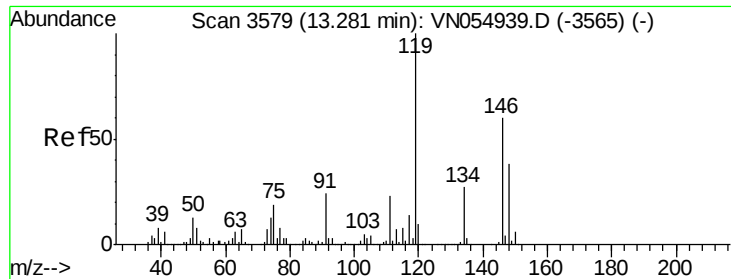
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 4/8/2019 1:43:28 PM



#86
 p-Isopropyltoluene
 Concen: 20.213 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	343490		
134	26.4	13.5	40.5	
91	23.9	11.9	35.7	





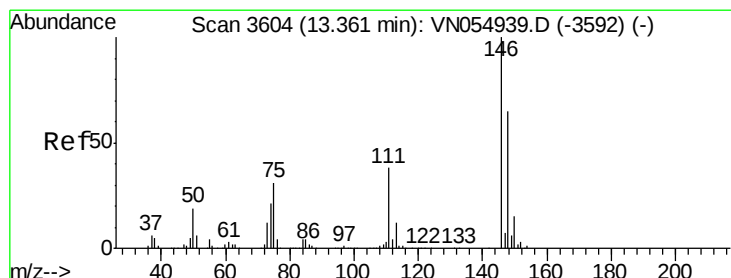
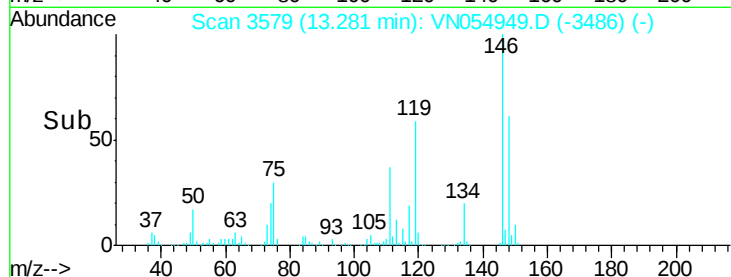
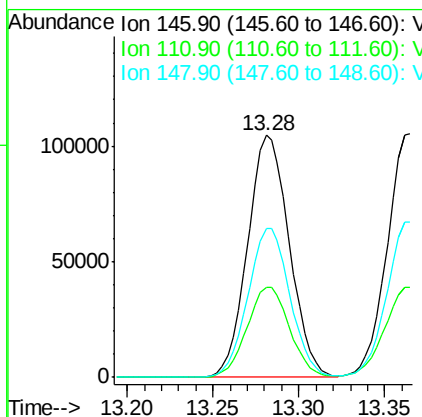
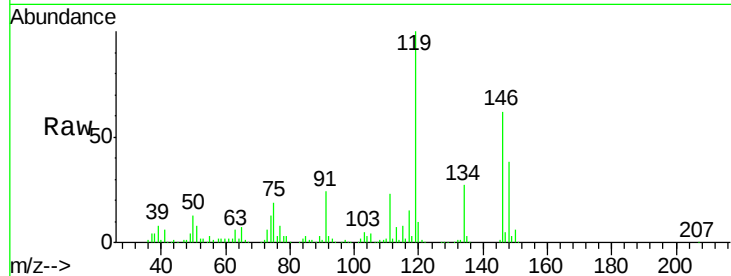
#87
 1,3-Dichlorobenzene
 Concen: 20.020 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.6	58.7
148	62.2	31.7	95.1

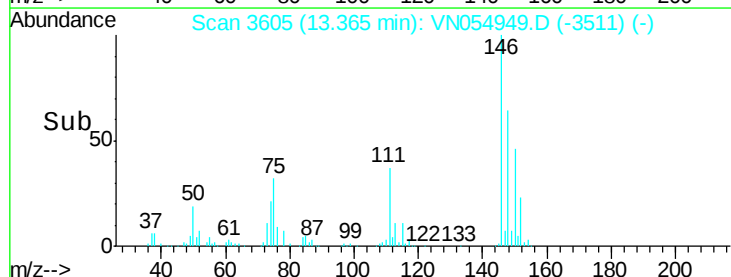
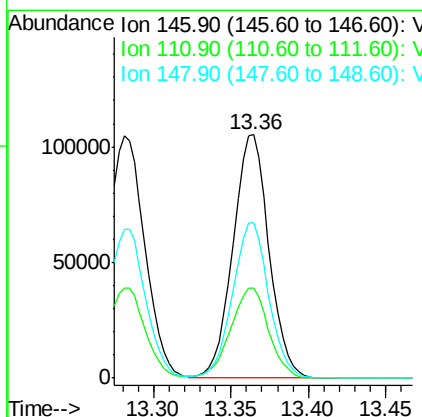
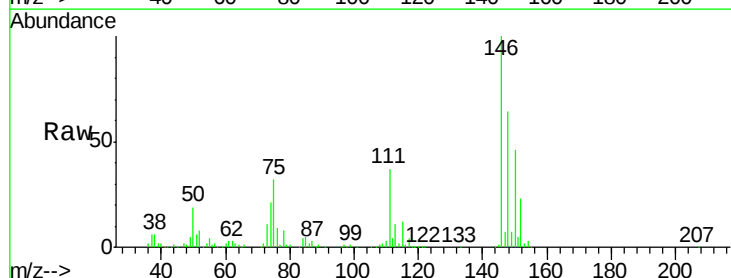
Manual Integrations
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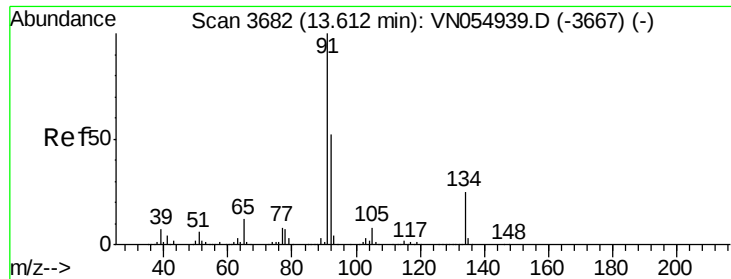
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	64.2	31.9	95.7





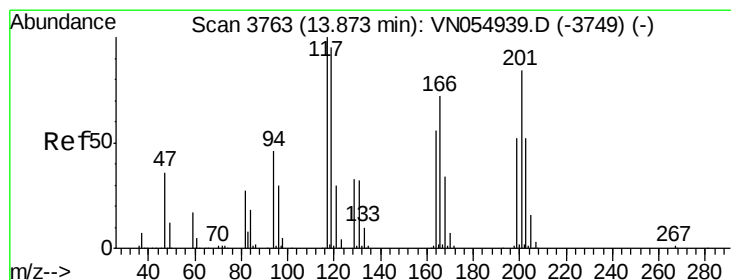
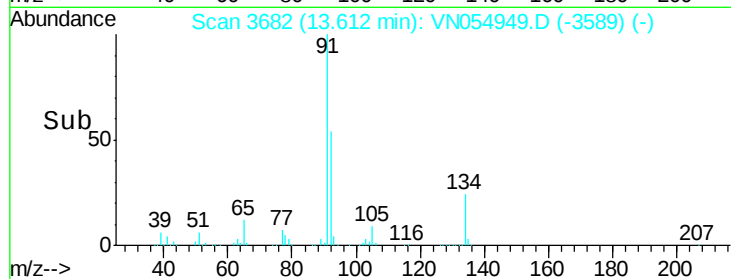
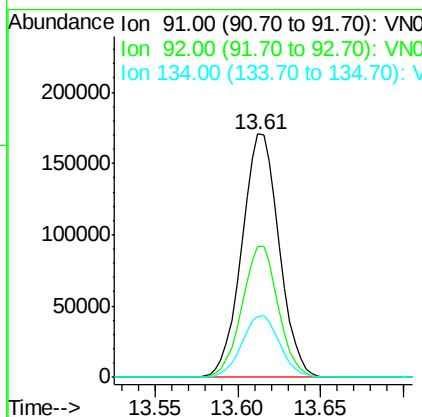
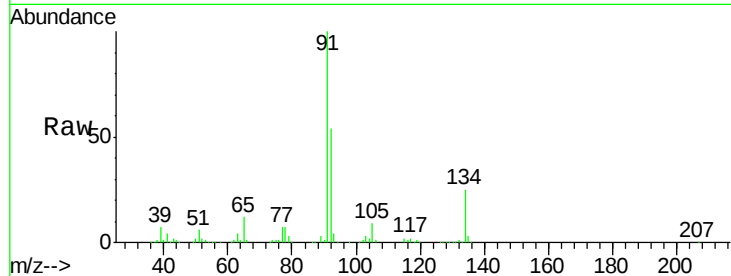
#89
n-Butylbenzene
Concen: 19.623 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	25.7	12.6	37.8

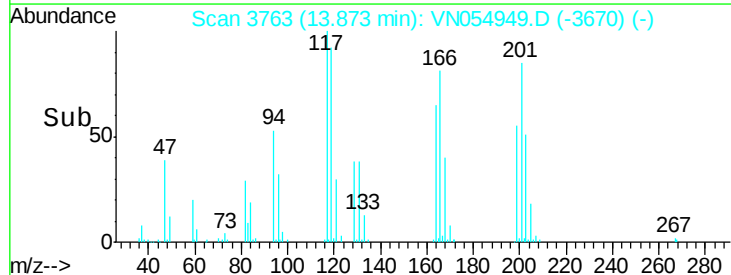
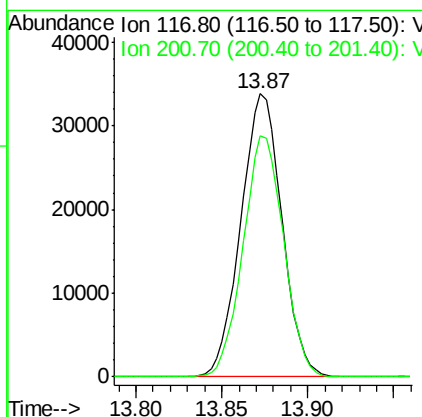
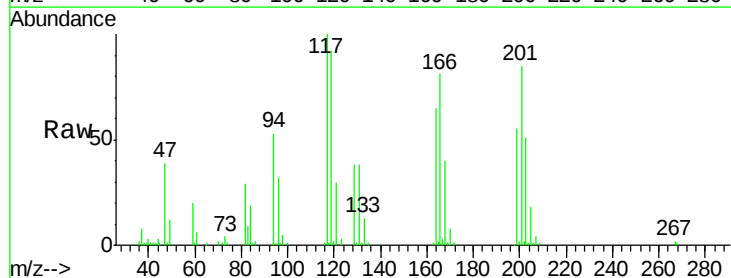
Manual Integrations
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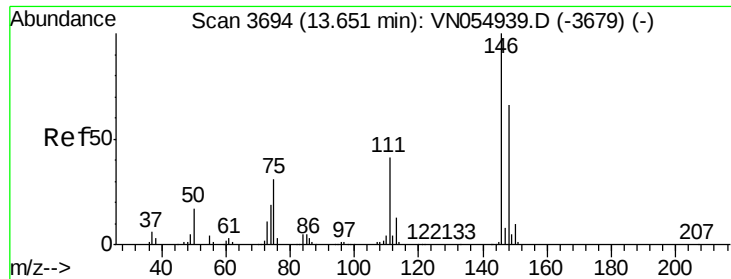
MMDadoda
4/8/2019 1:43:28 PM



#90
Hexachloroethane
Concen: 19.654 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054949.D
Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.5	127.6





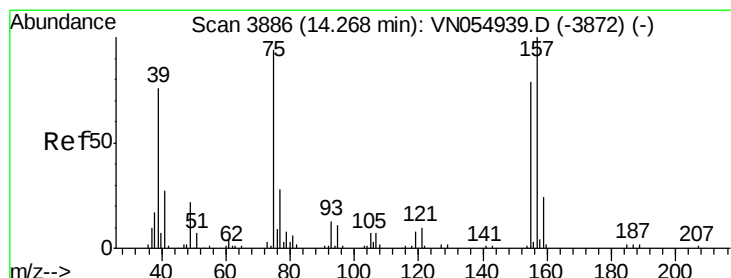
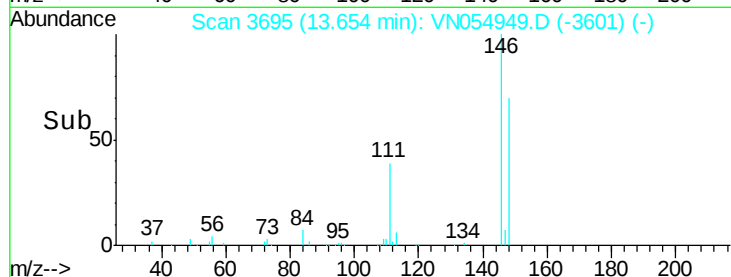
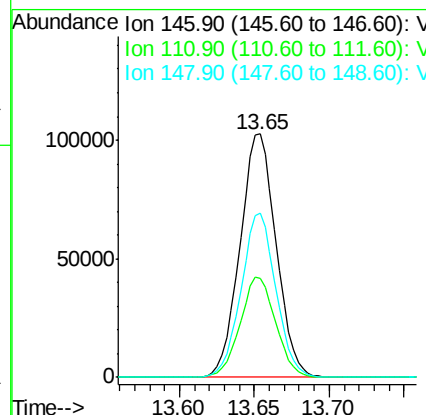
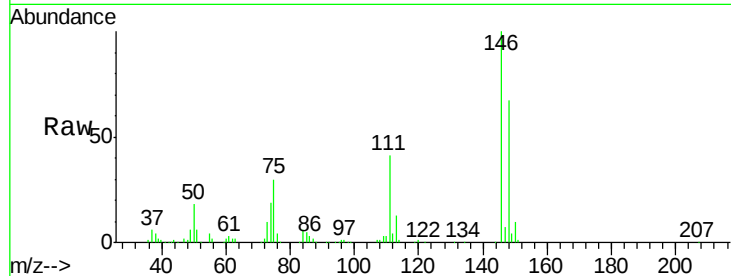
#91
 1,2-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.9	32.1	96.5

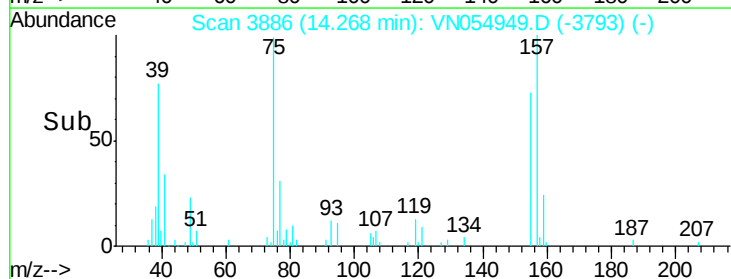
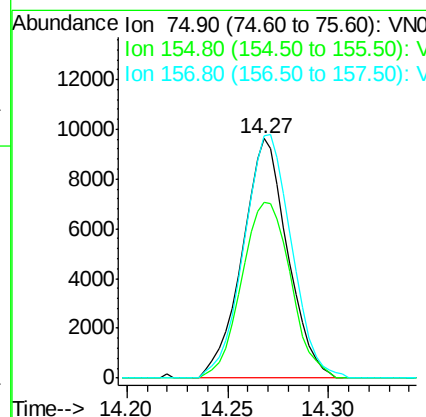
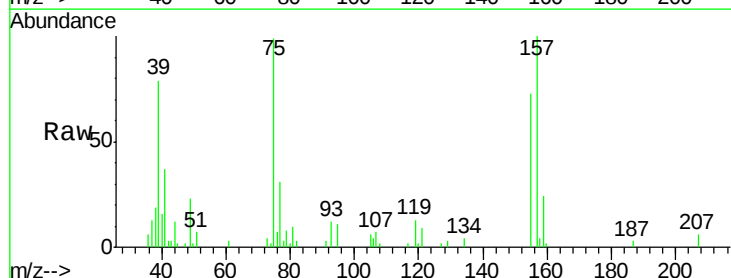
Manual Integrations
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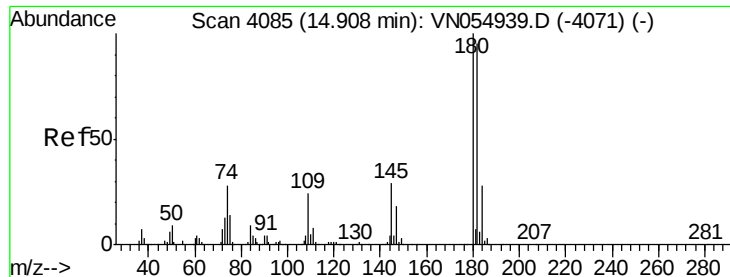
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.269 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	41.5	124.6
157	106.8	54.4	163.2





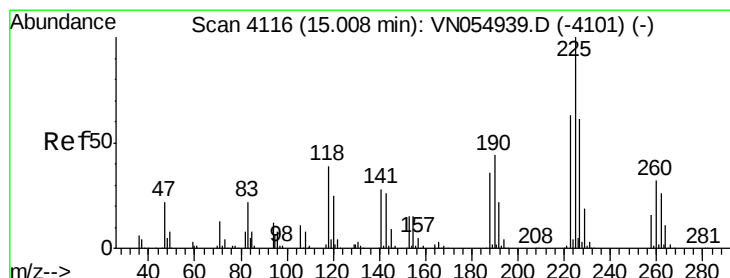
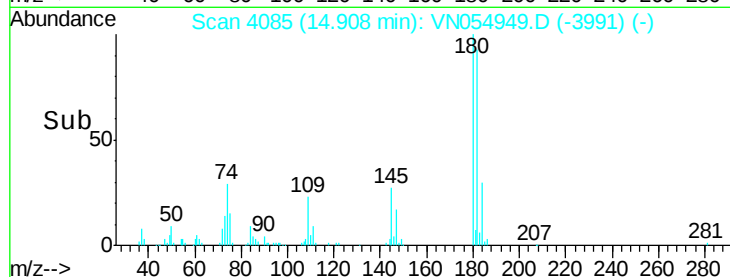
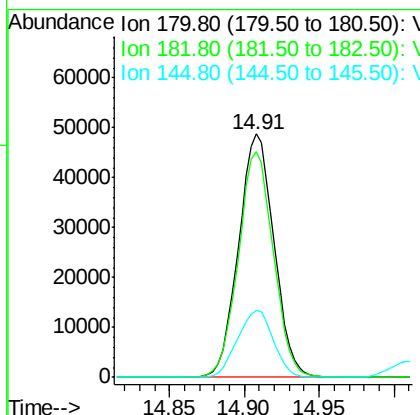
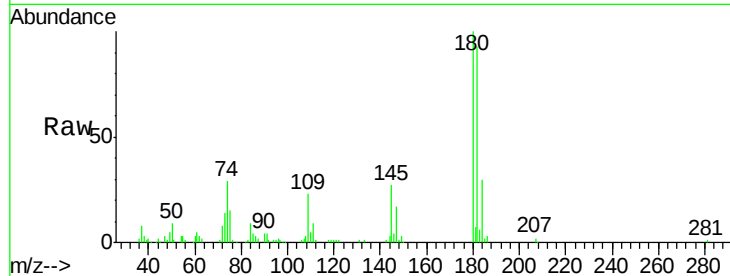
#93
 1,2,4-Trichlorobenzene
 Concen: 19.373 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.5	142.6
145	27.8	14.6	43.8

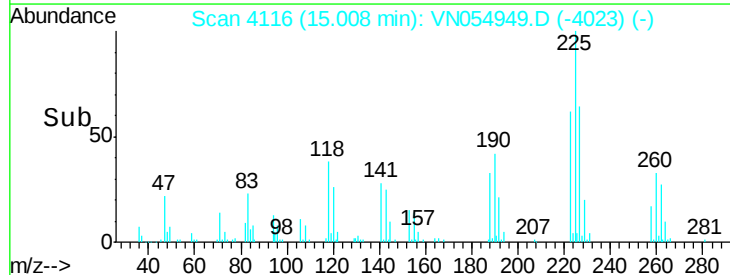
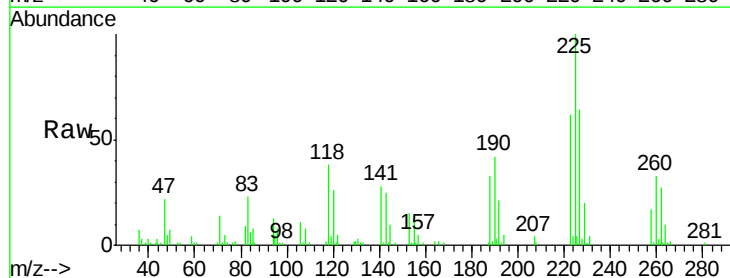
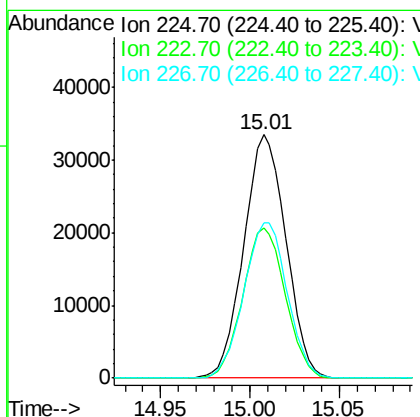
Manual Integrations
 APPROVED

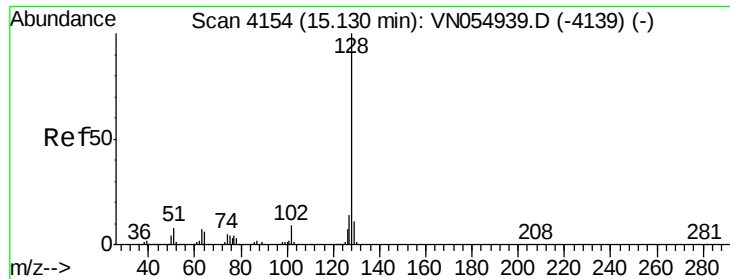
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.129 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054949.D
 Acq: 4 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	65.4	30.9	92.5





#95

Naphthalene

Concen: 18.934 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Instrument :

MSVOA_N

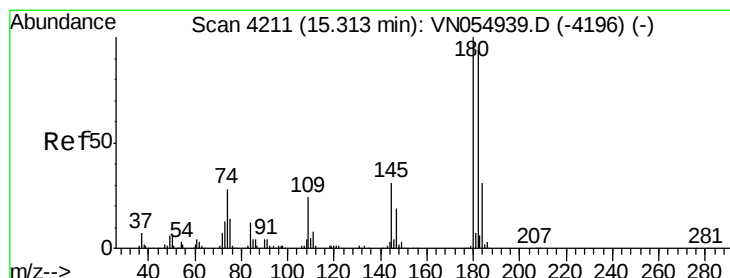
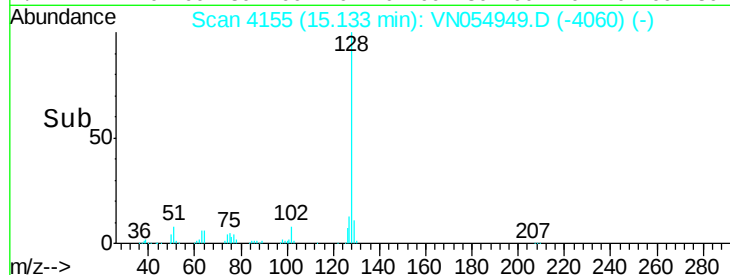
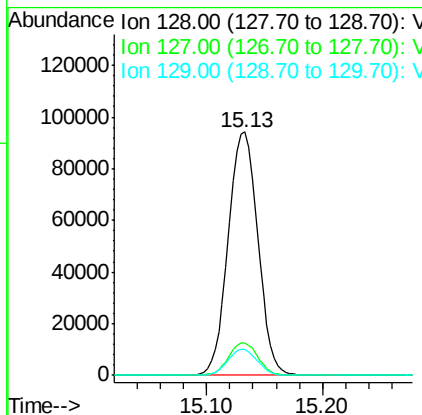
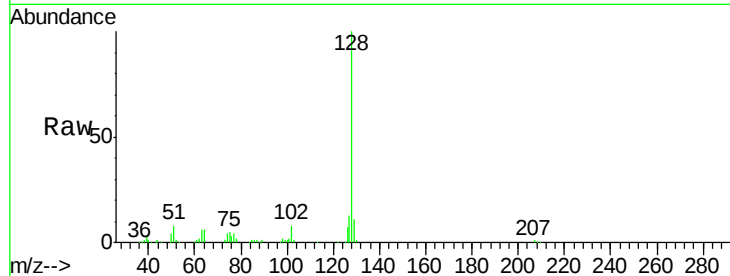
ClientSampleId :

VN0404WBSD01

Tgt Ion:	128	Resp:	166686
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.756 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054949.D

Acq: 4 Apr 2019 15:59

Tgt Ion:	180	Resp:	78320
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.5	142.5
145	31.8	15.6	46.8

