

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054036.D
 Acq On : 1 Mar 2019 18:22
 Operator : JC/SP
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Manual Integrations
 APPROVED

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 3/4/2019 1:53:47 PM

Quant Time: Mar 02 05:26:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1057931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	910547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	390314	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.59	113	341608	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1245322	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	409766	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	113904	19.415	ug/l	99
3) Chloromethane	2.06	50	159141	19.556	ug/l	100
4) Vinyl Chloride	2.19	62	161821	19.847	ug/l	99
5) Bromomethane	2.57	94	80489	14.906	ug/l	99
6) Chloroethane	2.71	64	99003	19.524	ug/l	99
7) Trichlorofluoromethane	3.02	101	205627	19.741	ug/l	98
8) Diethyl Ether	3.41	74	78071	20.005	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127481	19.378	ug/l	94
10) Methyl Iodide	3.96	142	126832	14.672	ug/l	98
11) Tert butyl alcohol	4.78	59	47222	99.684	ug/l	99
12) 1,1-Dichloroethene	3.74	96	120627	19.169	ug/l	91
13) Acrolein	3.61	56	45108	91.972	ug/l	97
14) Allyl chloride	4.33	41	226765	20.546	ug/l	95
15) Acrylonitrile	4.99	53	263464	105.525	ug/l	100
16) Acetone	3.81	43	201073	94.068	ug/l	95
17) Carbon Disulfide	4.06	76	364472	17.954	ug/l	98
18) Methyl Acetate	4.33	43	116490	22.294	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	349952	20.731	ug/l	97
20) Methylene Chloride	4.55	84	143544	19.409	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	131400	19.293	ug/l	89
22) Diisopropyl ether	5.95	45	453759	21.311	ug/l	93
23) Vinyl Acetate	5.90	43	1567163	102.312	ug/l	96
24) 1,1-Dichloroethane	5.85	63	269387	20.631	ug/l	98
25) 2-Butanone	6.84	43	296018	100.889	ug/l	93
26) 2,2-Dichloropropane	6.83	77	187853	20.250	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152438	20.125	ug/l	93
28) Bromochloromethane	7.20	49	129331	21.639	ug/l #	81
29) Tetrahydrofuran	7.21	42	203655	104.230	ug/l	90
30) Chloroform	7.37	83	254792	20.124	ug/l	99
31) Cyclohexane	7.66	56	242444	20.043	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	212336	20.339	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187567	19.065	ug/l	97
37) Ethyl Acetate	6.93	43	127171	18.103	ug/l	98
38) Carbon Tetrachloride	7.77	117	181610	17.749	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	214001	18.047	ug/l	92
40) Benzene	8.04	78	586921	19.419	ug/l	100
41) Methacrylonitrile	7.18	41	86146m	19.044	ug/l	
42) 1,2-Dichloroethane	8.12	62	182497	19.503	ug/l	97
43) Isopropyl Acetate	8.16	43	223860	18.873	ug/l #	90
44) Trichloroethene	8.84	130	150597	18.795	ug/l	91
45) 1,2-Dichloropropane	9.12	63	161875	19.852	ug/l	99
46) Dibromomethane	9.21	93	90714	19.162	ug/l	92
47) Bromodichloromethane	9.40	83	195293	19.575	ug/l	98
48) Methyl methacrylate	9.20	41	107124	19.635	ug/l	94
49) 1,4-Dioxane	9.20	88	27794	376.131	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	627292	102.918	ug/l	94
52) Toluene	10.16	92	348473	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183796	18.934	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221951	19.395	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	127644	19.205	ug/l	97
56) Ethyl methacrylate	10.43	69	154934	19.038	ug/l	89
57) 1,3-Dichloropropane	10.71	76	221989	19.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	352571	95.782	ug/l	95
59) 2-Hexanone	10.75	43	388255	97.943	ug/l	93
60) Dibromochloromethane	10.90	129	136915	18.536	ug/l	98
61) 1,2-Dibromoethane	11.01	107	120565	18.805	ug/l	99
64) Tetrachloroethene	10.63	164	142233	18.447	ug/l	98
65) Chlorobenzene	11.44	112	370161	19.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	134083	19.360	ug/l	99
67) Ethyl Benzene	11.51	91	643010	19.960	ug/l	98
68) m/p-Xylenes	11.62	106	480748	39.539	ug/l	96
69) o-Xylene	11.95	106	235855	19.742	ug/l	97
70) Styrene	11.96	104	368129	20.033	ug/l	97
71) Bromoform	12.13	173	89333	18.541	ug/l #	96
73) Isopropylbenzene	12.25	105	626658	21.099	ug/l	99
74) N-amyl acetate	12.07	43	169485	21.772	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	150946	20.323	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126284m	20.632	ug/l	
77) Bromobenzene	12.53	156	152949	20.283	ug/l	91
78) n-propylbenzene	12.59	91	706602	20.919	ug/l	98
79) 2-Chlorotoluene	12.67	91	420561	20.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	516274	21.233	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	36879	19.044	ug/l	91
82) 4-Chlorotoluene	12.77	91	412575	20.573	ug/l	96
83) tert-Butylbenzene	12.99	119	452779	21.054	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	515409	21.232	ug/l	98
85) sec-Butylbenzene	13.17	105	609412	20.748	ug/l	98
86) p-Isopropyltoluene	13.29	119	511504	20.600	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	255905	19.617	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246573	19.483	ug/l	98
89) n-Butylbenzene	13.62	91	416558	19.906	ug/l	99
90) Hexachloroethane	13.88	117	91238	18.962	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	253667	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21972	20.934	ug/l	86

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Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

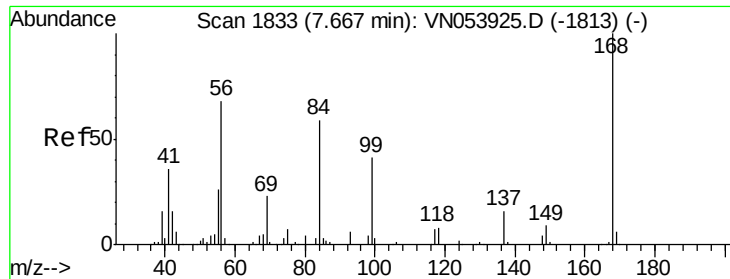
Manual Integrations
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3/4/2019 1:53:47 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117382	18.216	ug/l	99
94) Hexachlorobutadiene	15.01	225	80651	17.681	ug/l	98
95) Naphthalene	15.13	128	254084	18.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	119689	18.796	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: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:168 Resp: 637468

Ion Ratio Lower Upper

168 100

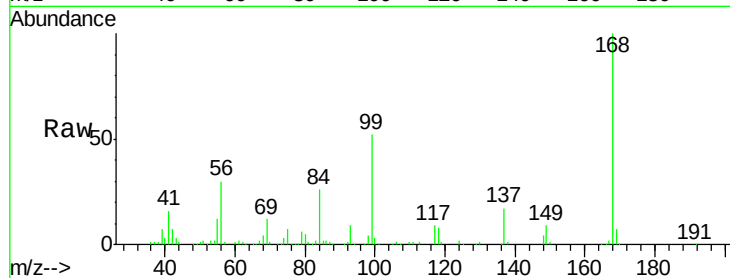
99 50.5 36.9 55.3

Manual Integrations

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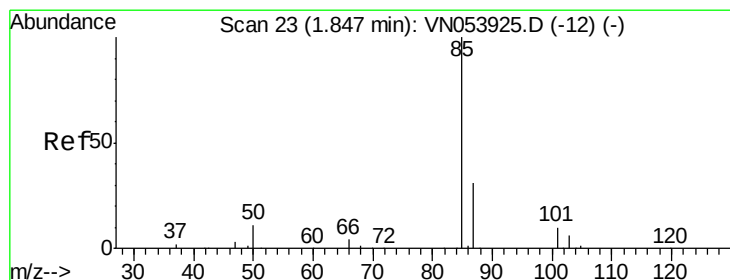
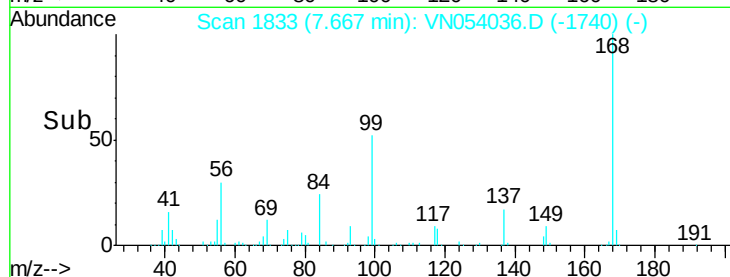
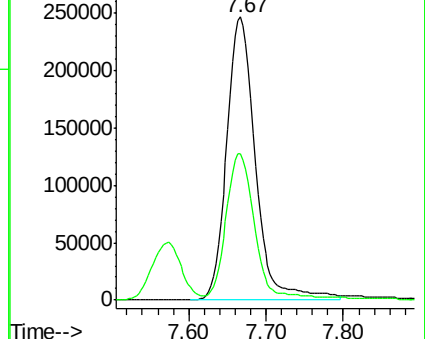
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.415 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054036.D

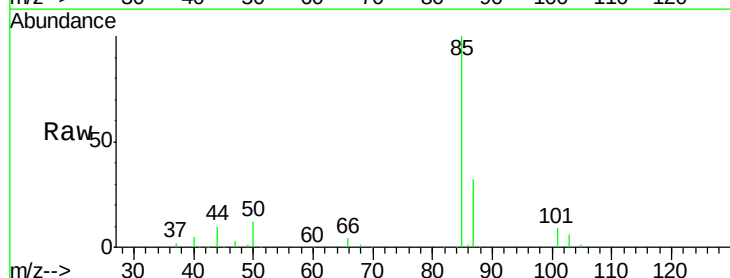
Acq: 1 Mar 2019 18:22

Tgt Ion: 85 Resp: 113904

Ion Ratio Lower Upper

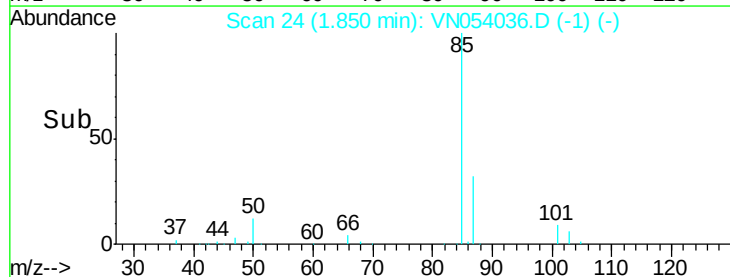
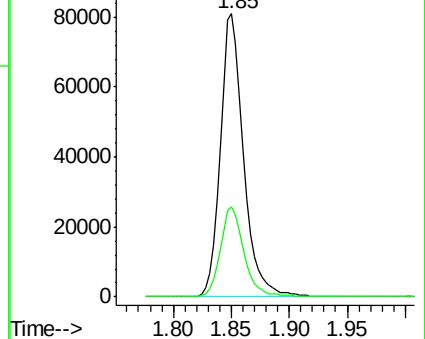
85 100

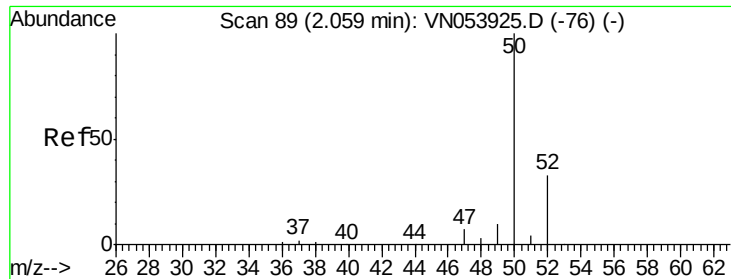
87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.556 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 50 Resp: 159141

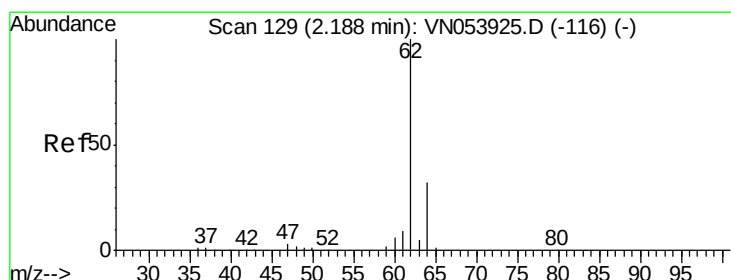
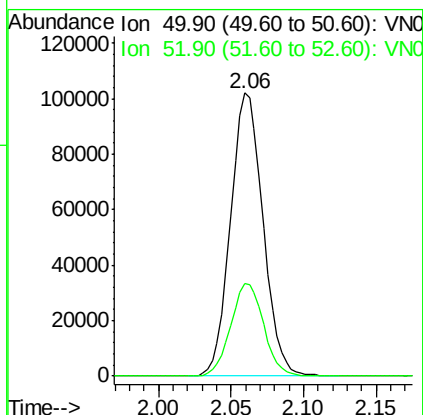
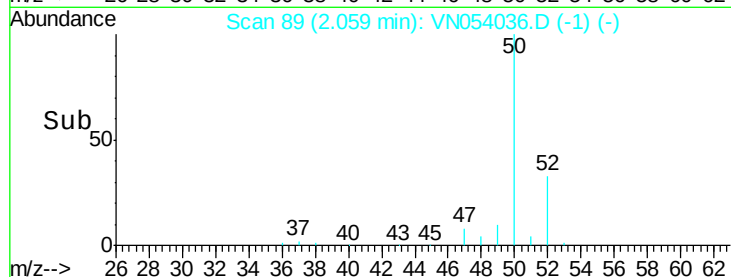
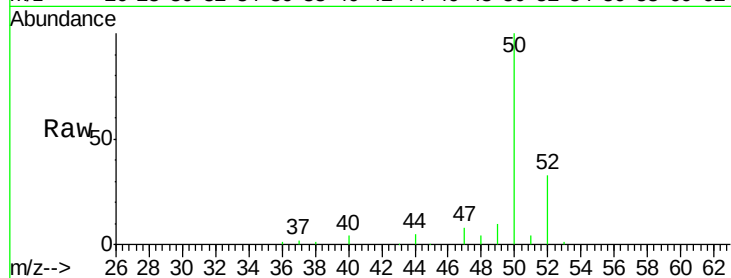
Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.847 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054036.D

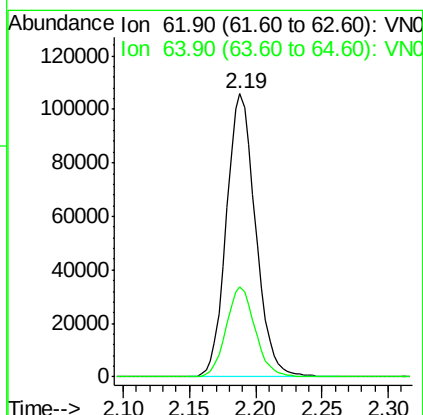
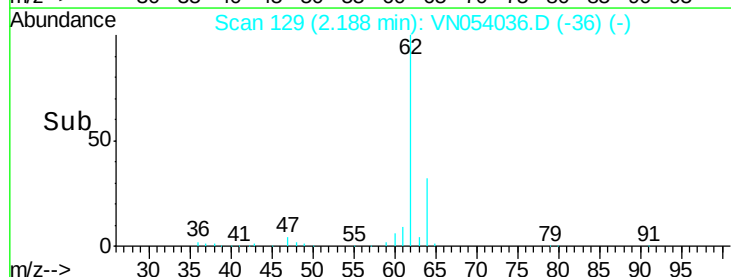
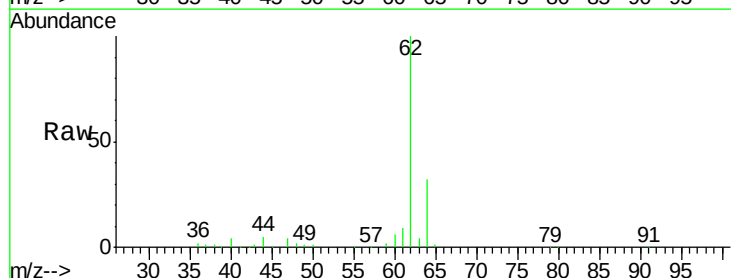
Acq: 1 Mar 2019 18:22

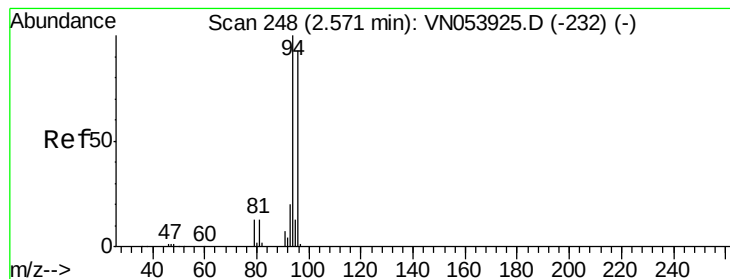
Tgt Ion: 62 Resp: 161821

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 14.906 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 94 Resp: 80489

Ion Ratio Lower Upper

94 100

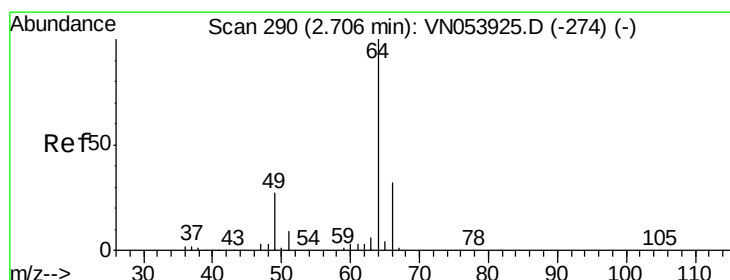
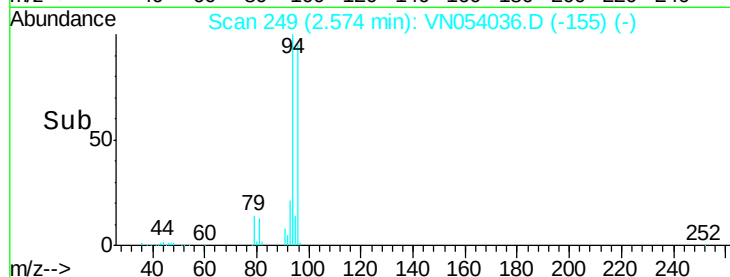
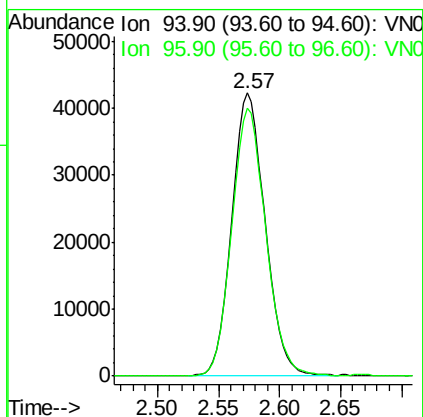
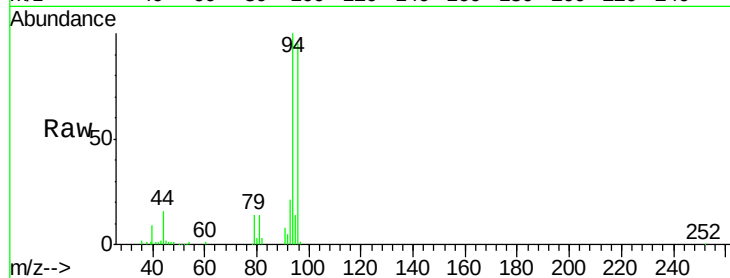
96 94.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 19.524 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054036.D

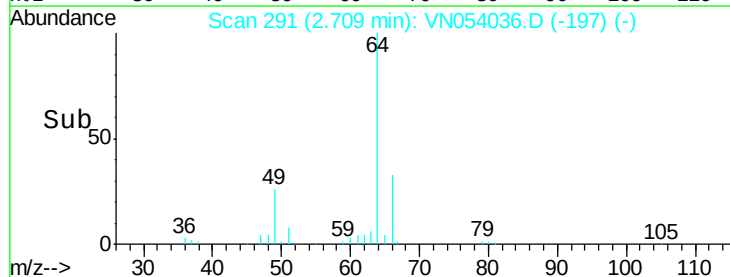
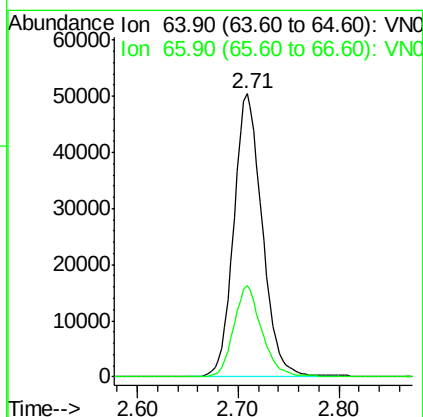
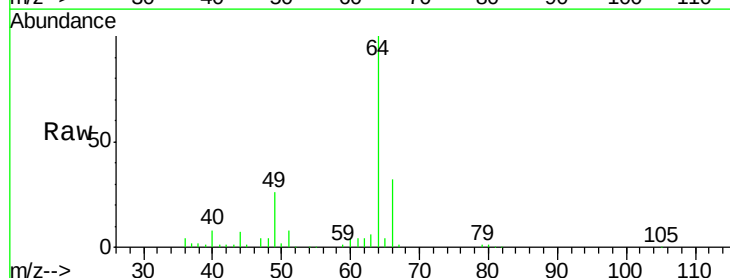
Acq: 1 Mar 2019 18:22

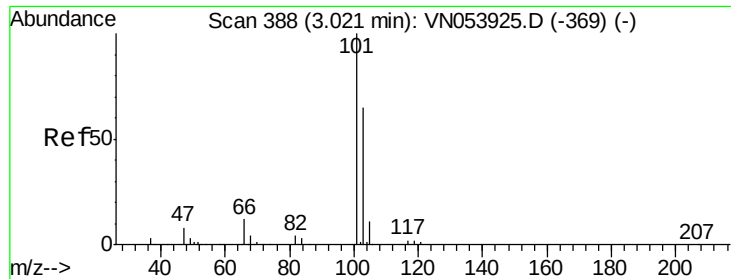
Tgt Ion: 64 Resp: 99003

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

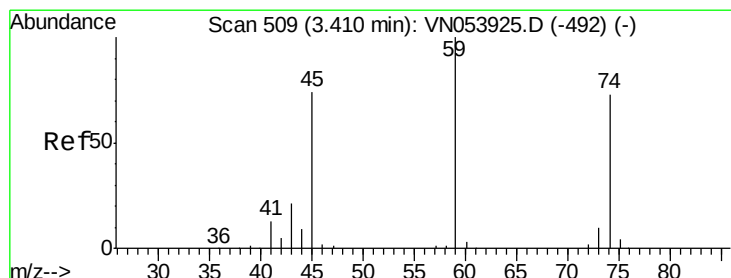
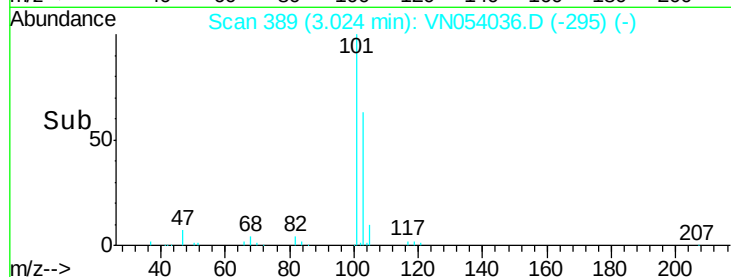
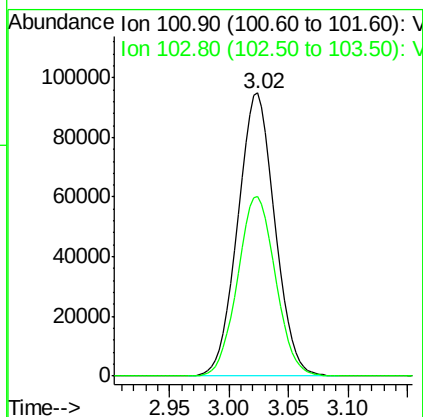
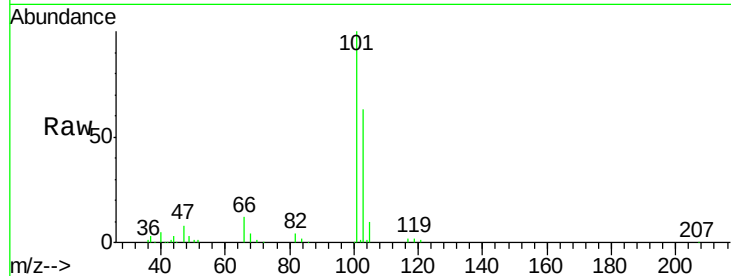
Trichlorofluoromethane
Concen: 19.741 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
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ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.9	77.9

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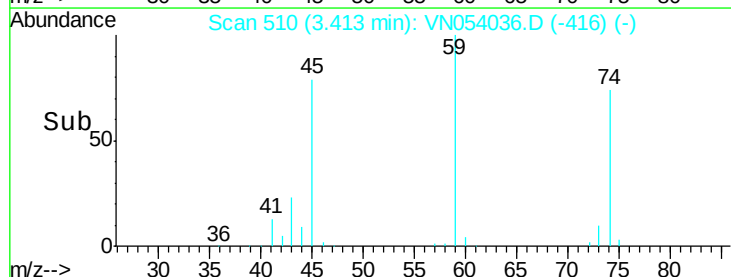
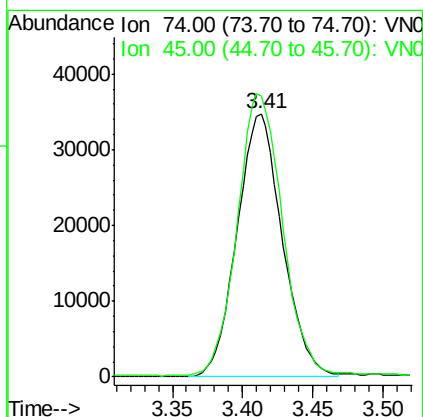
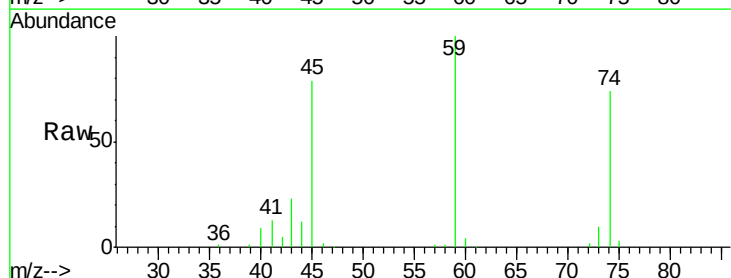
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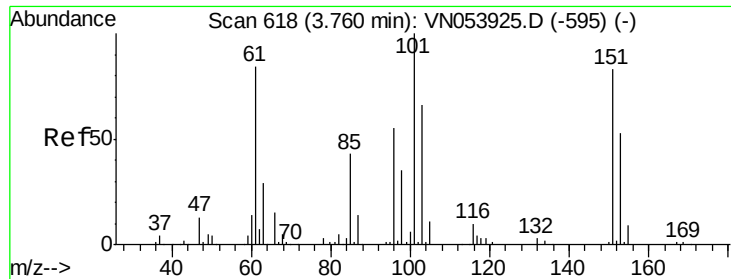


#8

Diethyl Ether
Concen: 20.005 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	46.9	140.6





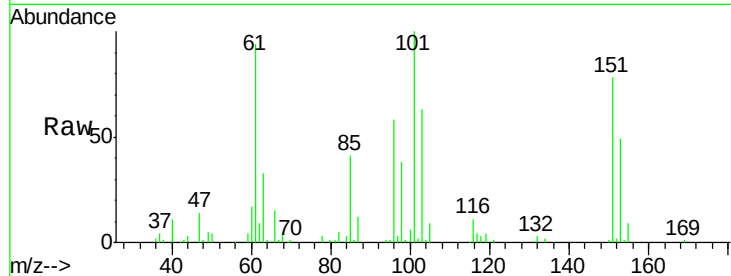
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.378 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
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 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127481		
85	41.3	32.5	48.7	
151	80.3	70.2	105.2	

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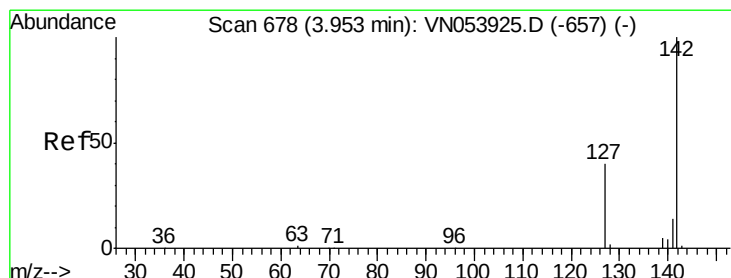
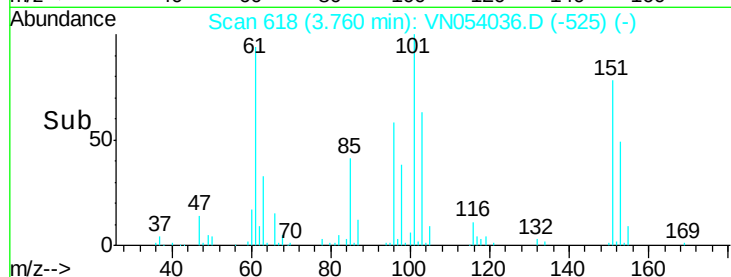
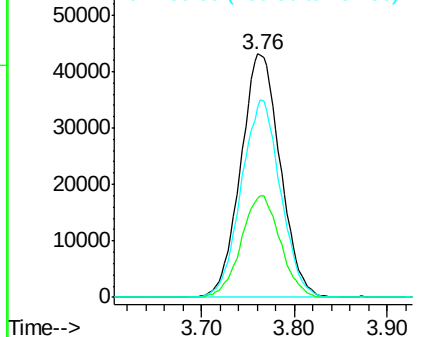


Abundance

Ion 100.90 (100.60 to 101.60): V

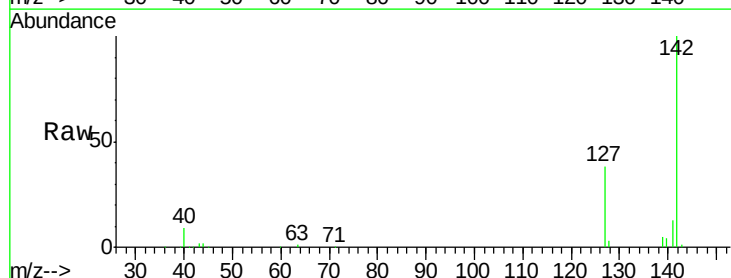
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 14.672 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	126832		
127	39.9	31.0	46.4	
141	13.9	11.3	16.9	

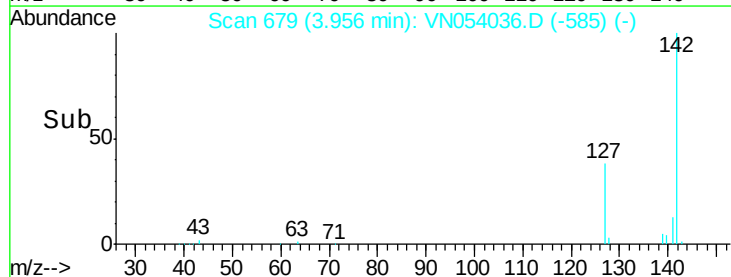
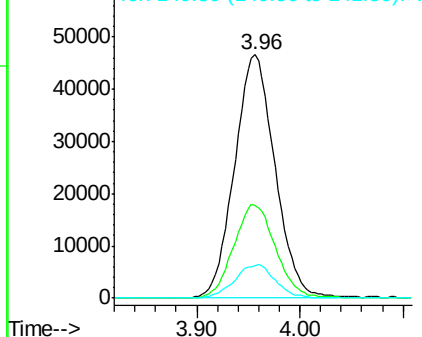


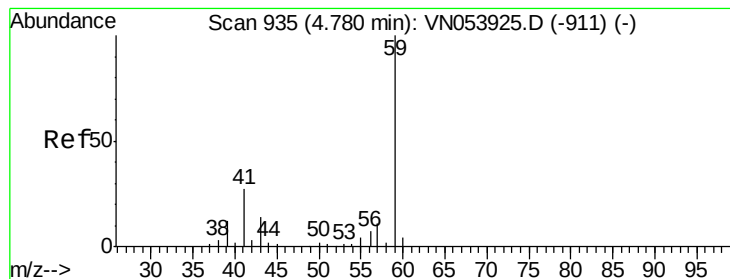
Abundance

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

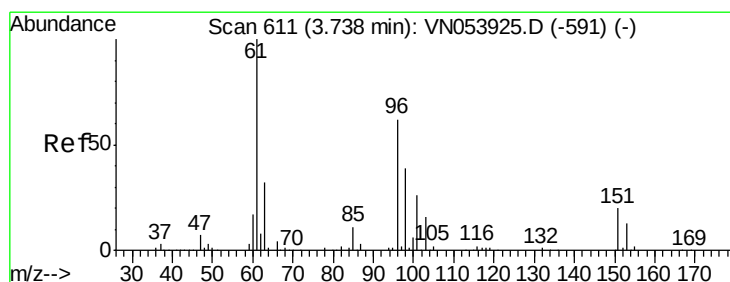
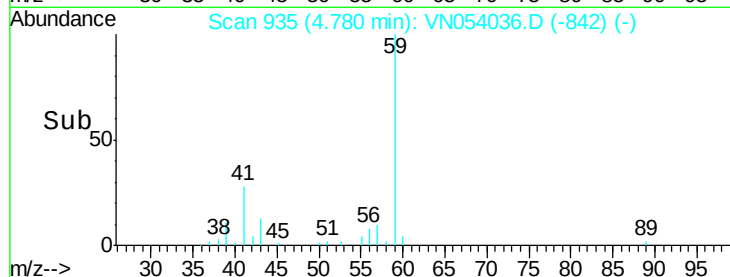
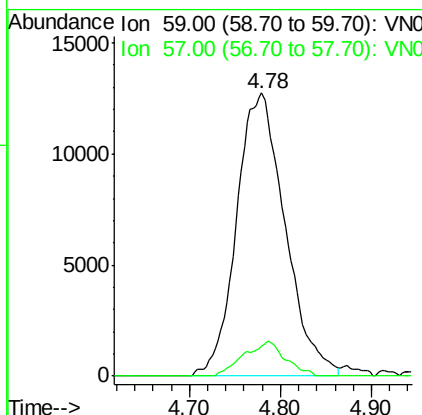
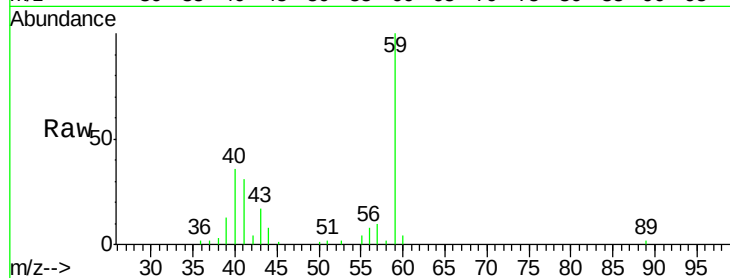
Tert butyl alcohol
Concen: 99.684 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	59.00	Resp	47222
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
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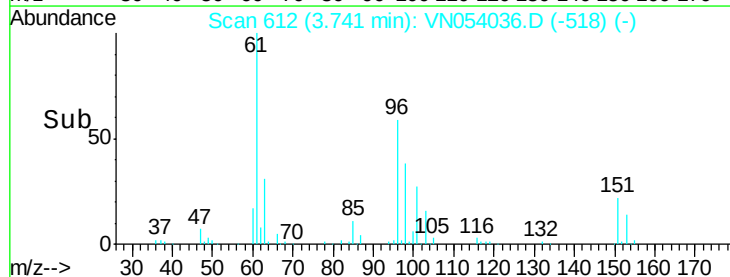
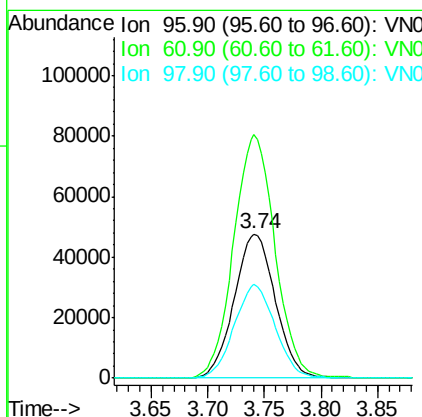
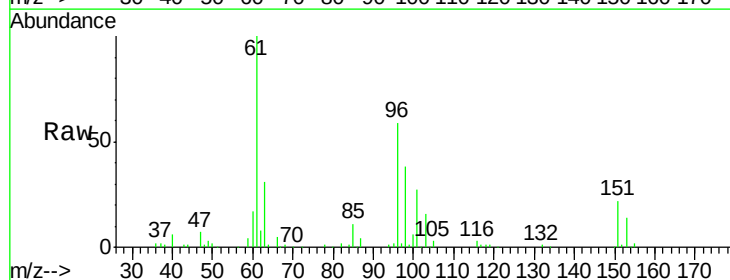
MMDadoda
3/4/2019 1:53:47 PM

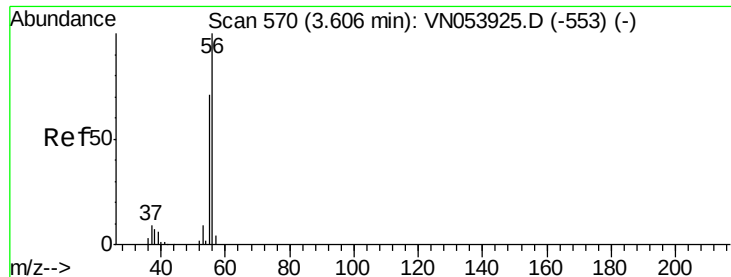


#12

1,1-Dichloroethene
Concen: 19.169 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	96	Resp	120627
Ion	Ratio	Lower	Upper
96	100		
61	168.3	121.0	181.4
98	65.0	52.2	78.2





#13

Acrolein

Concen: 91.972 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 56 Resp: 45108

Ion Ratio Lower Upper

56 100

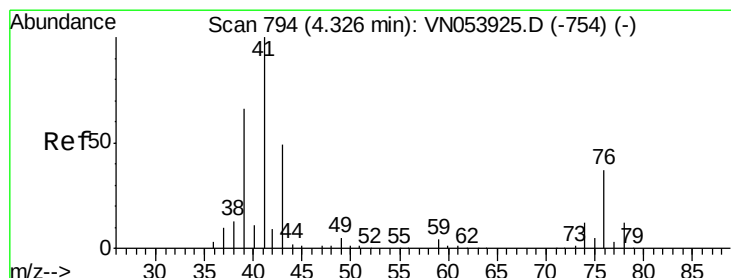
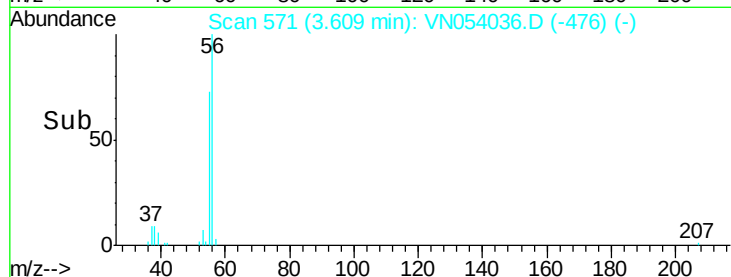
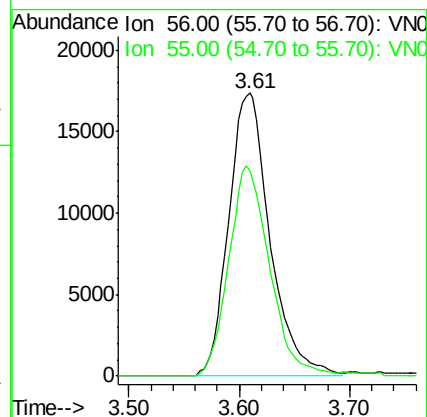
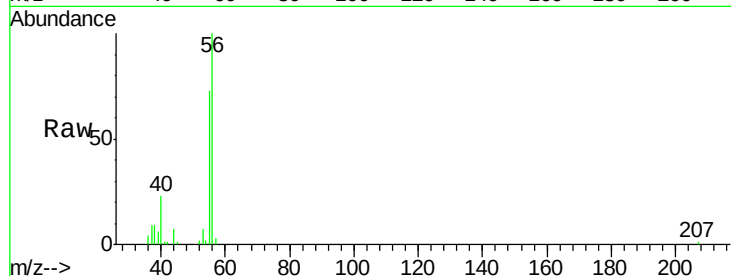
55 73.3 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 20.546 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

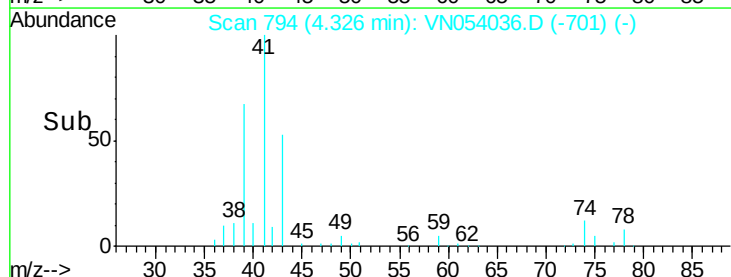
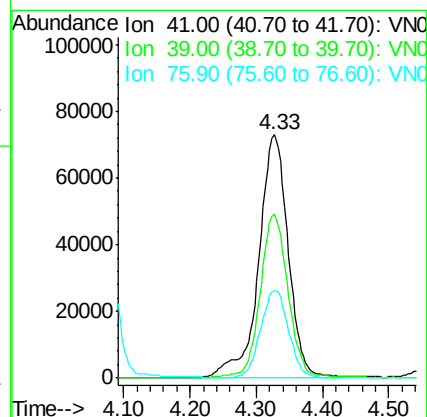
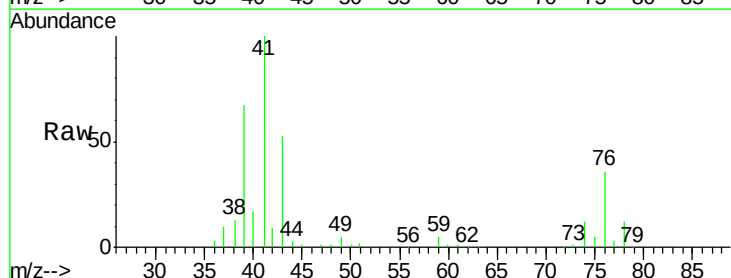
Tgt Ion: 41 Resp: 226765

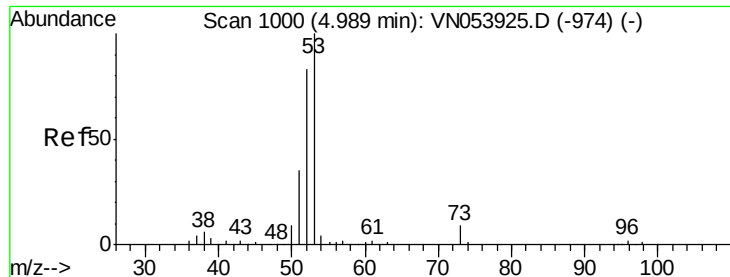
Ion Ratio Lower Upper

41 100

39 63.6 48.8 73.2

76 34.1 30.9 46.3





#15

Acrylonitrile

Concen: 105.525 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

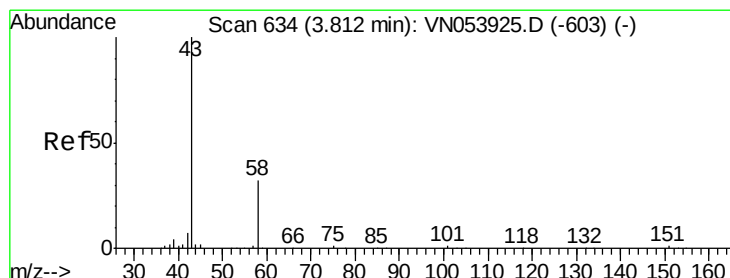
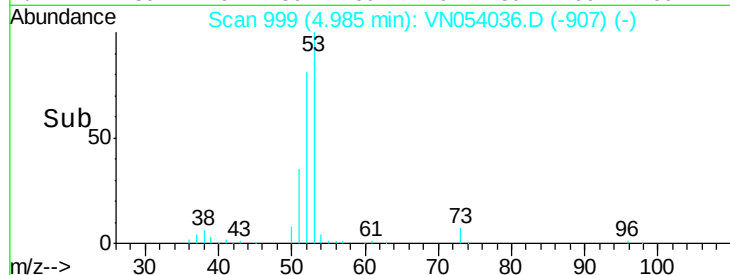
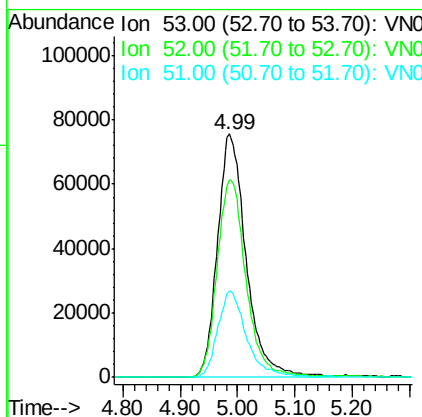
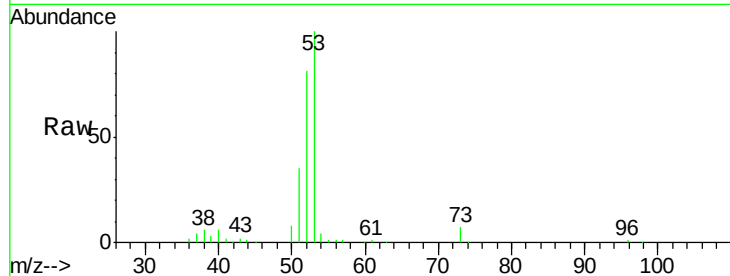
ClientSampleId :

VN0302WBSD01

Tot Ion:	53	Resp:	263464
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	35.3	28.2	42.4

Manual Integrations
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3/4/2019 1:53:47 PM



#16

Acetone

Concen: 94.068 ug/l

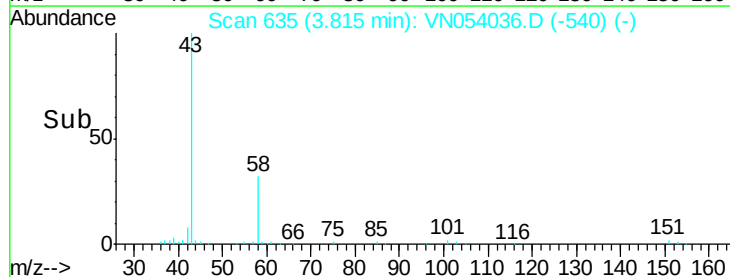
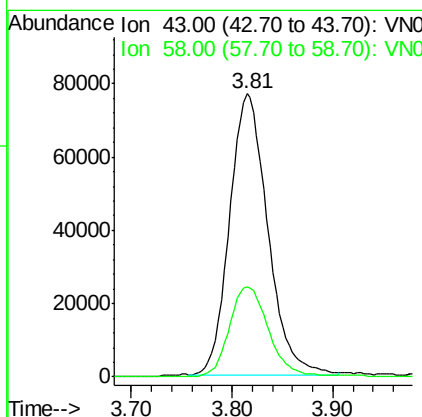
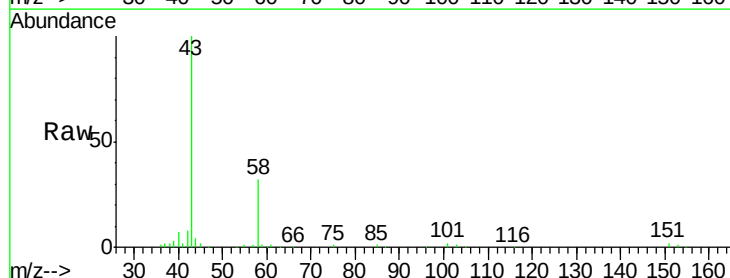
RT: 3.81 min Scan# 635

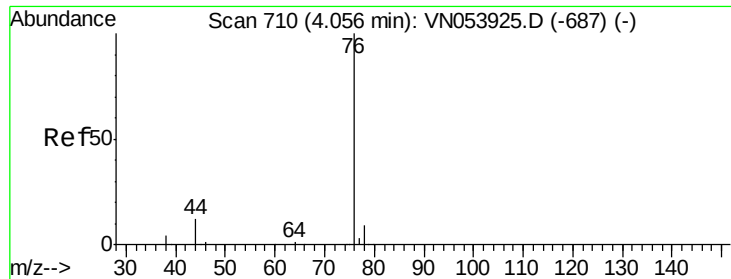
Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion:	43	Resp:	201073
Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.6	41.4





#17

Carbon Disulfide

Concen: 17.954 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 76 Resp: 364472

Ion Ratio Lower Upper

76 100

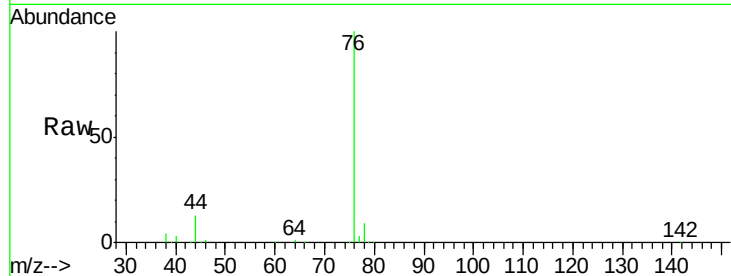
78 8.8 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

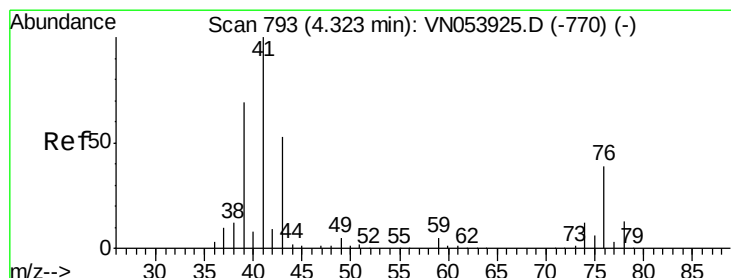
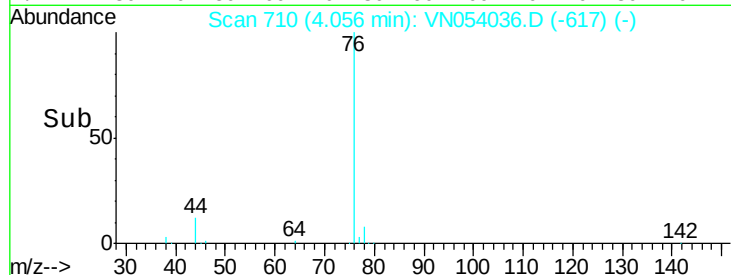
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.294 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054036.D

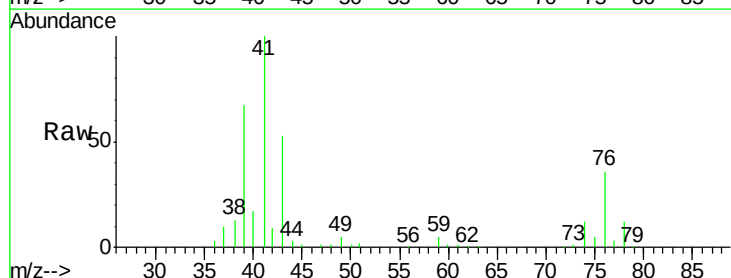
Acq: 1 Mar 2019 18:22

Tgt Ion: 43 Resp: 116490

Ion Ratio Lower Upper

43 100

74 22.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

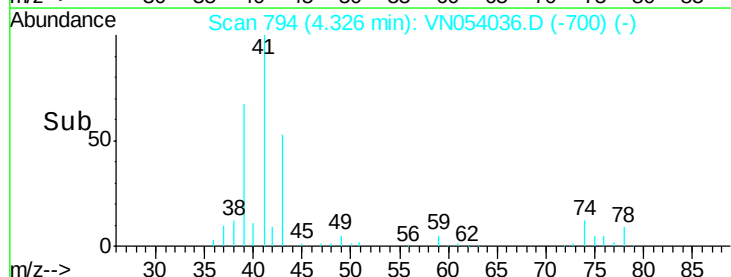
30000

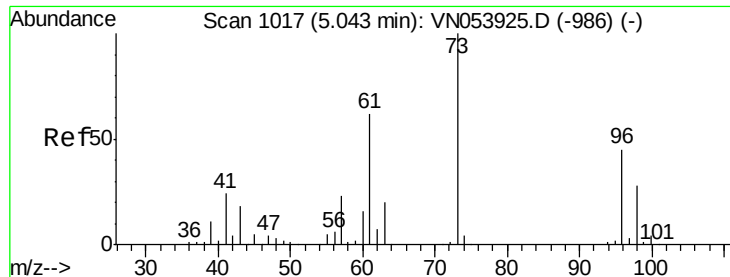
20000

10000

0

Time-->





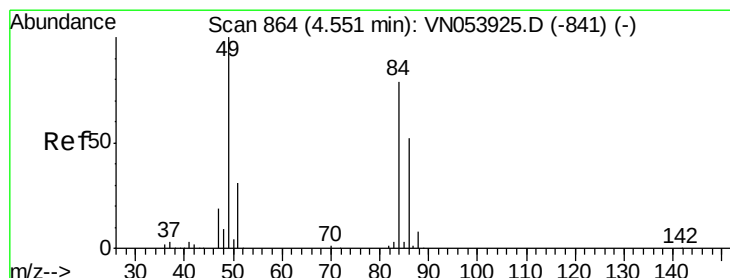
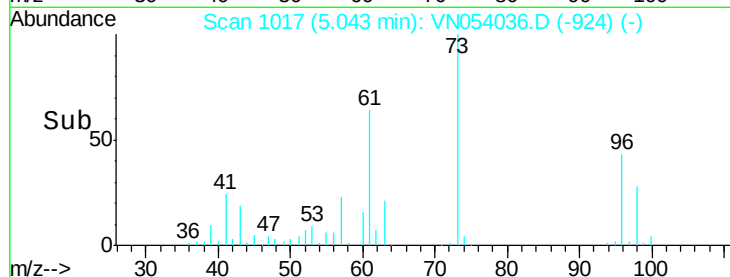
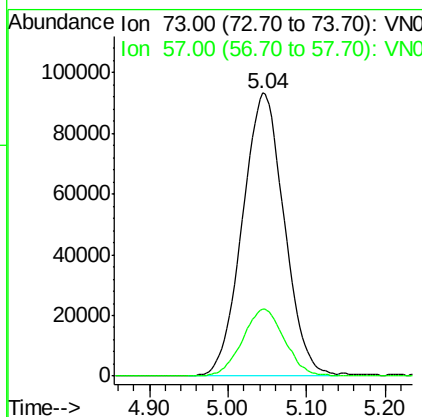
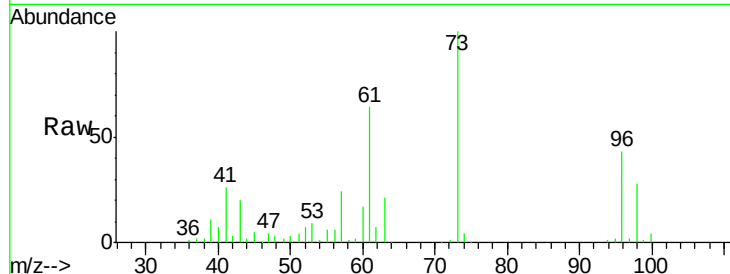
#19
Methyl tert-butyl Ether
Concen: 20.731 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 73 Resp: 349952
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0

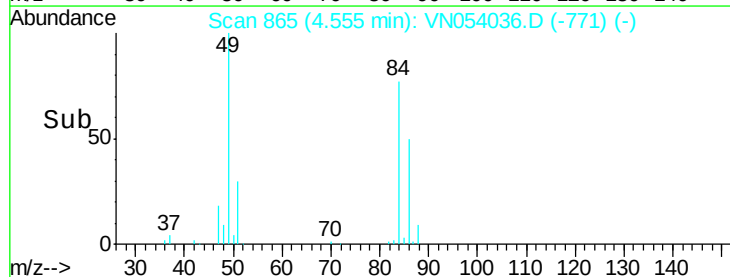
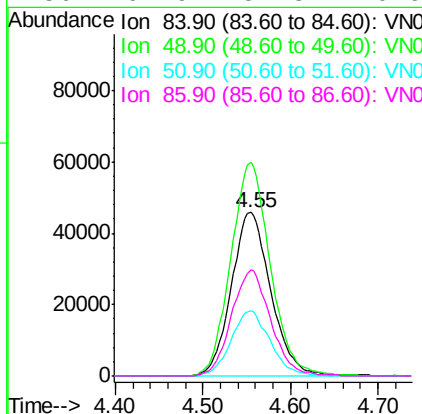
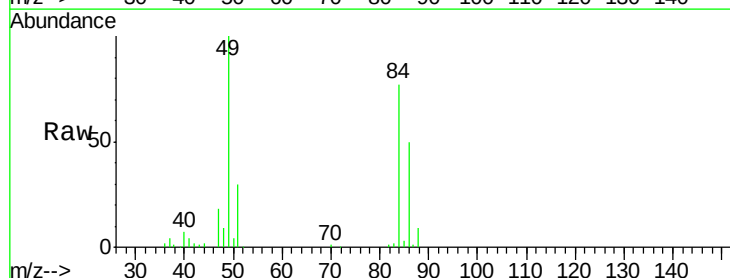
Manual Integrations
APPROVED

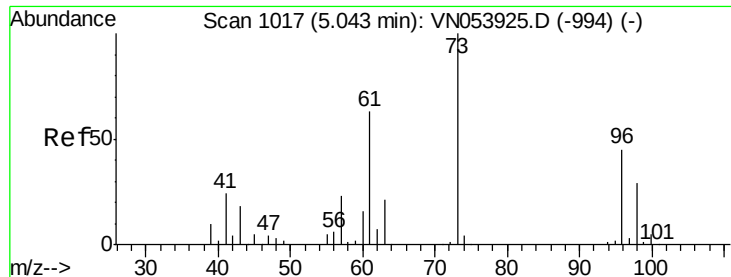
MMDadoda
3/4/2019 1:53:47 PM



#20
Methylene Chloride
Concen: 19.409 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 84 Resp: 143544
Ion Ratio Lower Upper
84 100
49 130.5 89.7 134.5
51 39.7 27.8 41.8
86 64.9 51.3 76.9





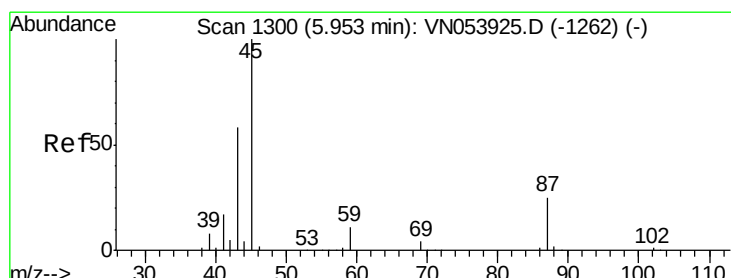
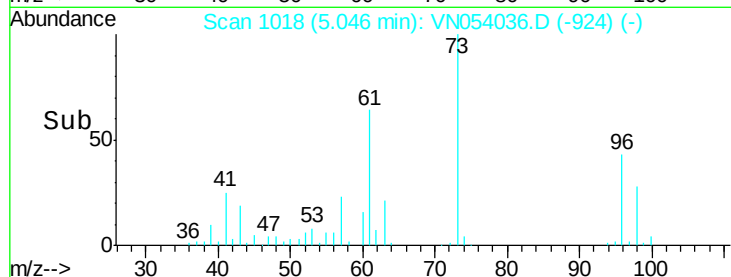
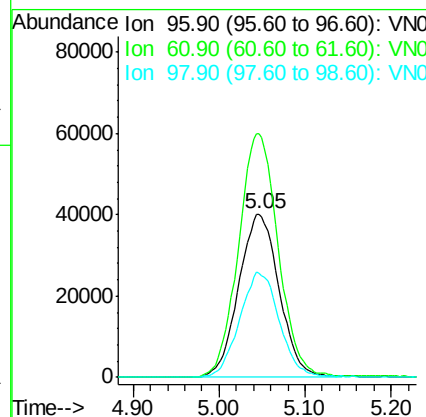
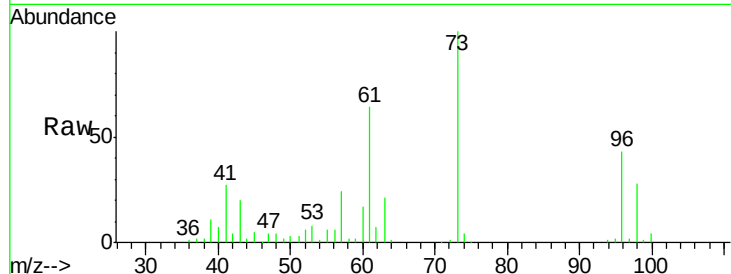
#21
trans-1,2-Dichloroethene
Concen: 19.293 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	104.5	156.7
98	63.7	50.6	76.0

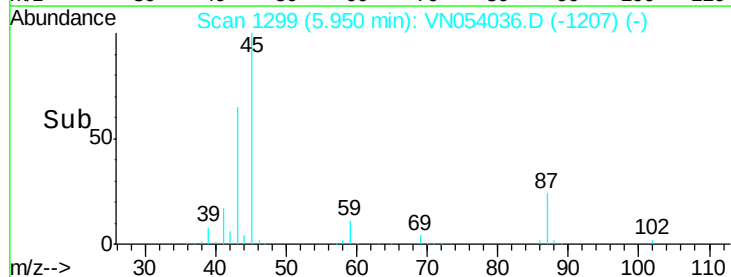
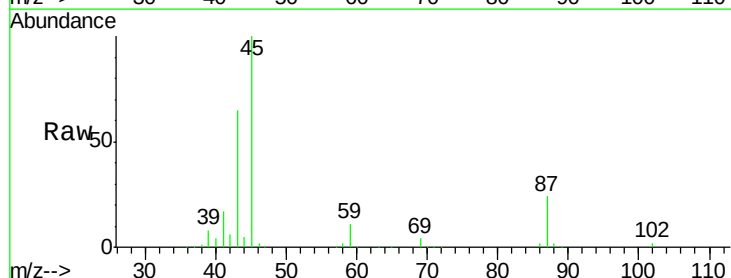
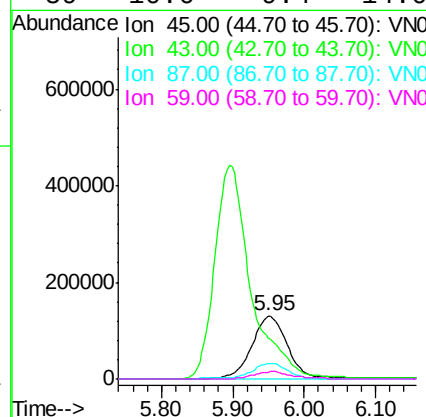
Manual Integrations
APPROVED

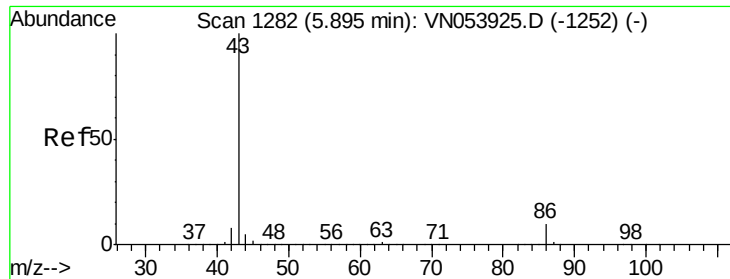
MMDadoda
3/4/2019 1:53:47 PM



#22
Diisopropyl ether
Concen: 21.311 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	46.2	69.4
87	24.0	23.4	35.0
59	10.6	9.4	14.0





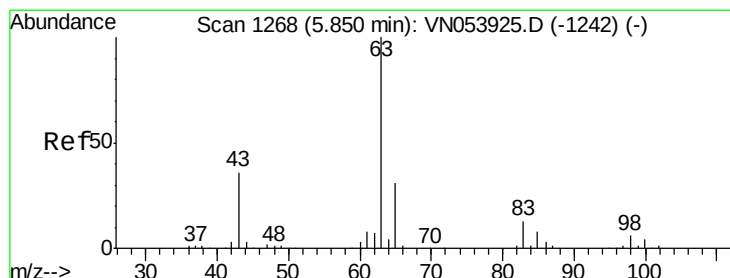
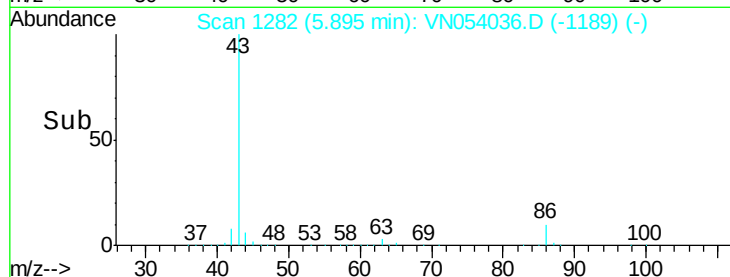
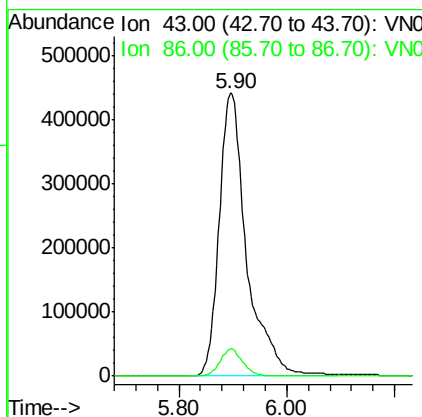
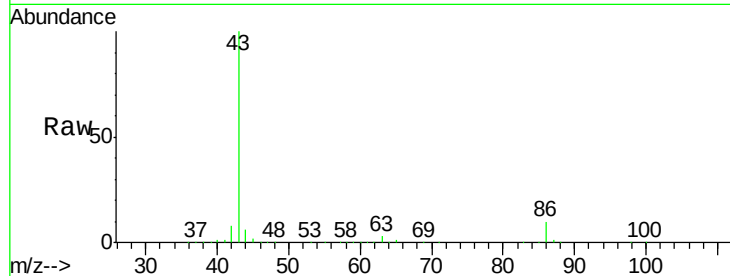
#23
 Vinyl Acetate
 Concen: 102.312 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion: 43 Resp: 1567163
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7

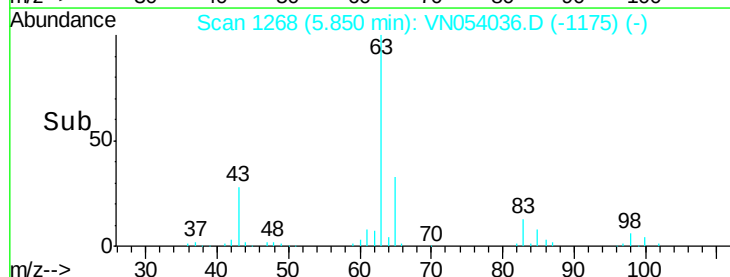
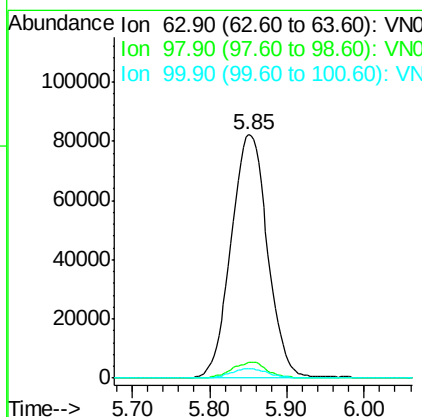
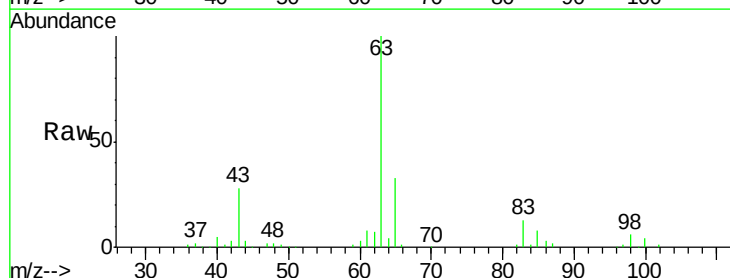
Manual Integrations
 APPROVED

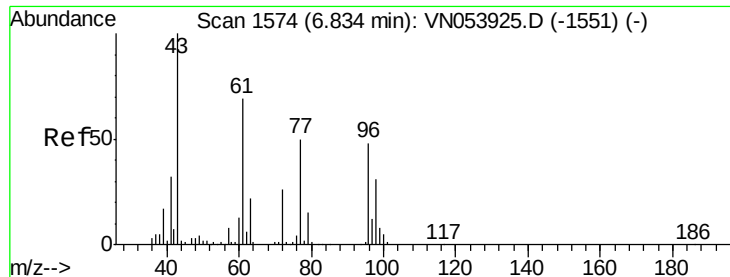
MMDadoda
 3/4/2019 1:53:47 PM



#24
 1,1-Dichloroethane
 Concen: 20.631 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 63 Resp: 269387
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 3.8 2.2 6.6





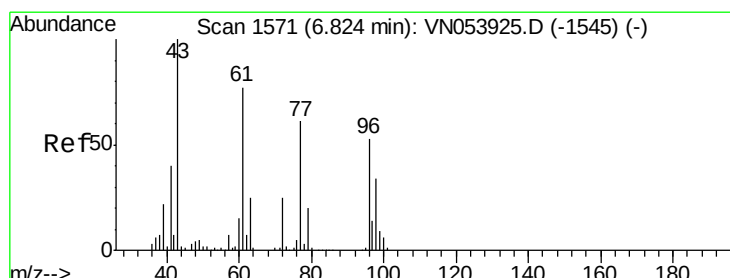
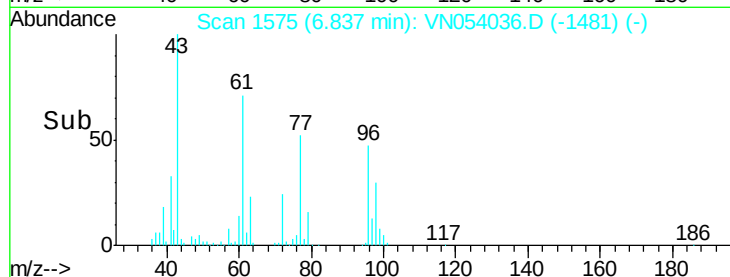
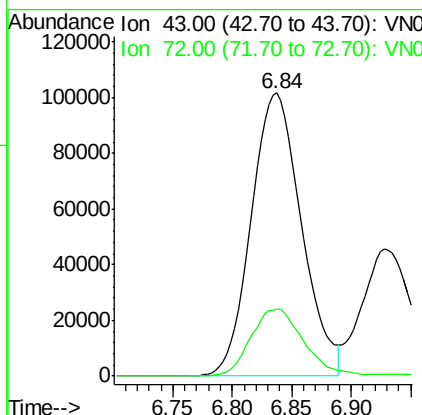
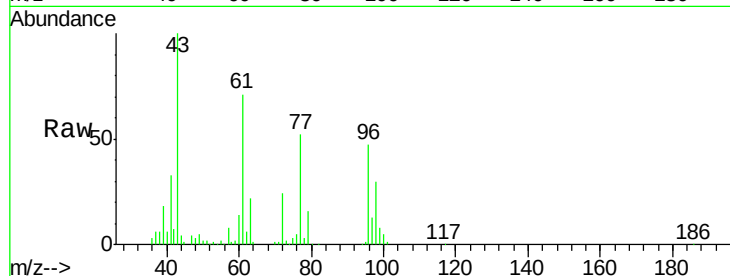
#25
2-Butanone
Concen: 100.889 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 43 Resp: 296018
Ion Ratio Lower Upper
43 100
72 23.8 22.1 33.1

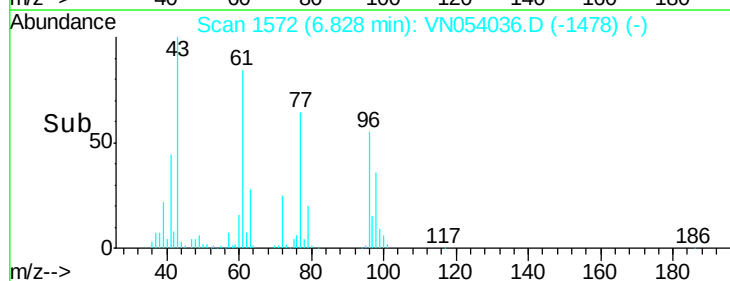
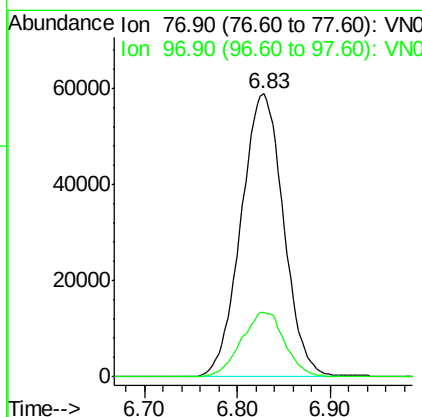
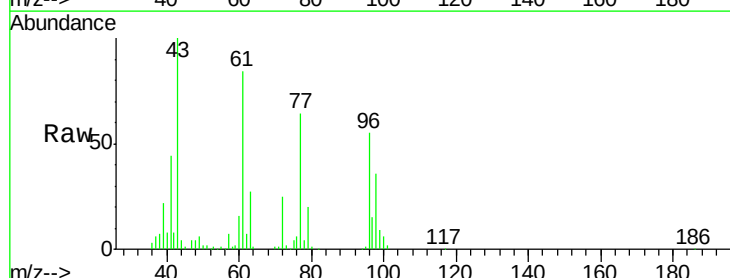
Manual Integrations
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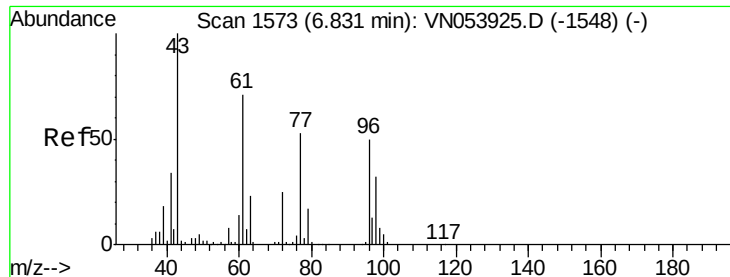
MMDadoda
3/4/2019 1:53:47 PM



#26
2,2-Dichloropropane
Concen: 20.250 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 77 Resp: 187853
Ion Ratio Lower Upper
77 100
97 23.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.125 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 96 Resp: 152438

Ion Ratio Lower Upper

96 100

61 149.7 0.0 275.6

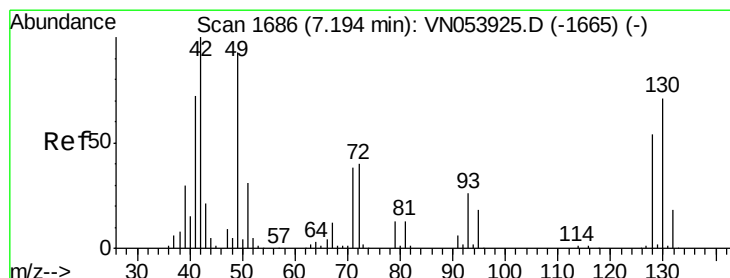
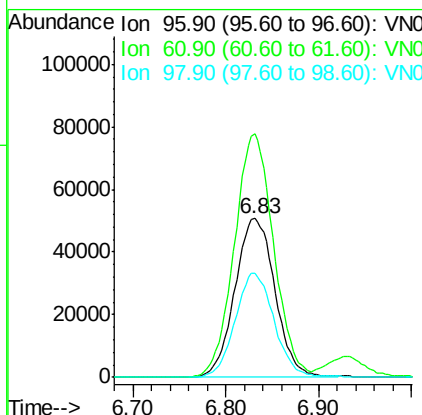
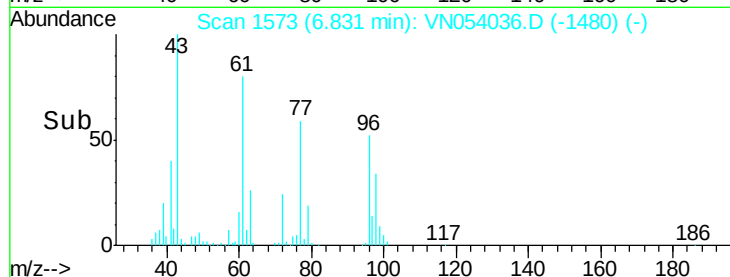
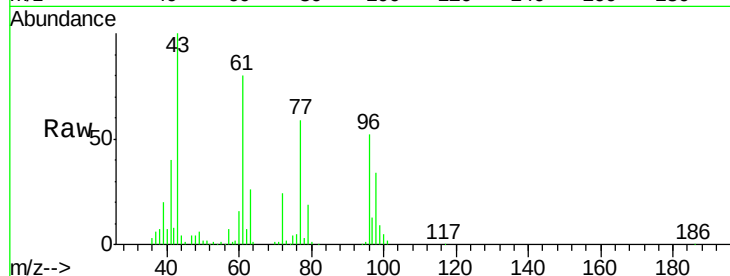
98 63.6 0.0 130.0

Manual Integrations

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3/4/2019 1:53:47 PM



#28

Bromochloromethane

Concen: 21.639 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

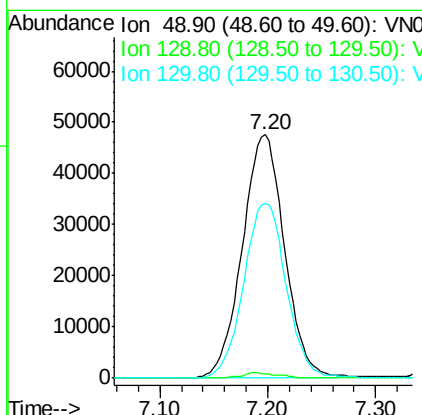
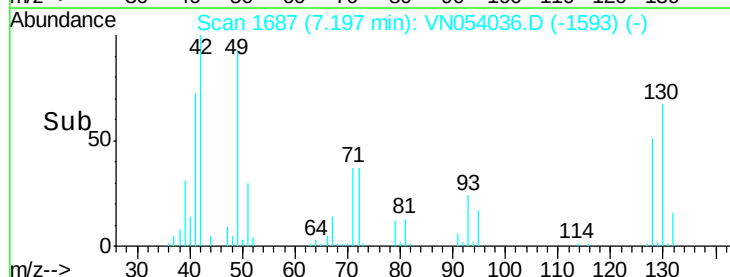
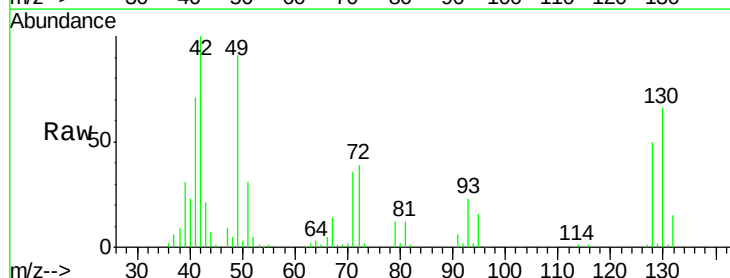
Tgt Ion: 49 Resp: 129331

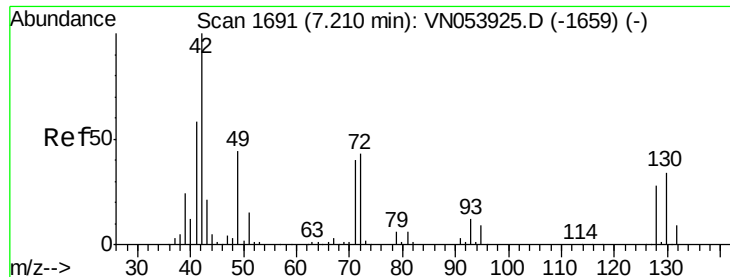
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 72.4 72.9 109.3#





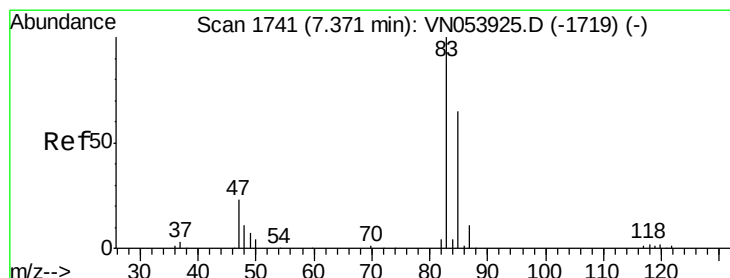
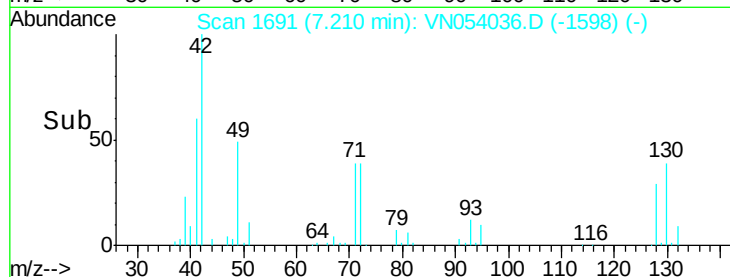
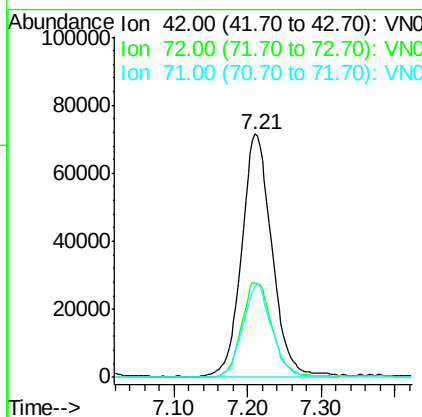
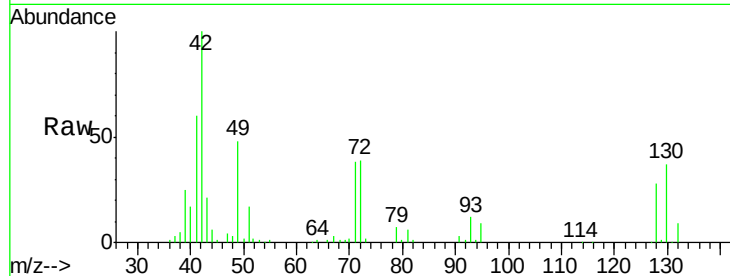
#29
Tetrahydrofuran
Concen: 104.230 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	36.9	55.3
71	36.8	34.6	52.0

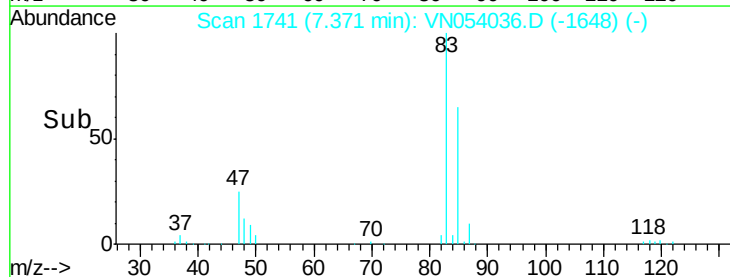
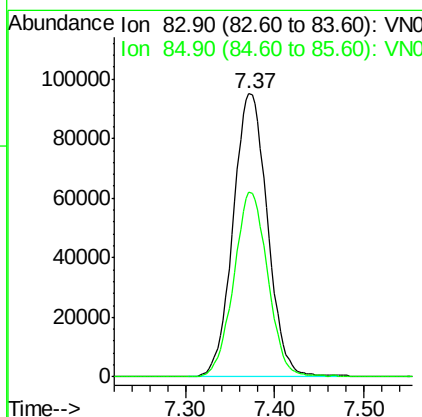
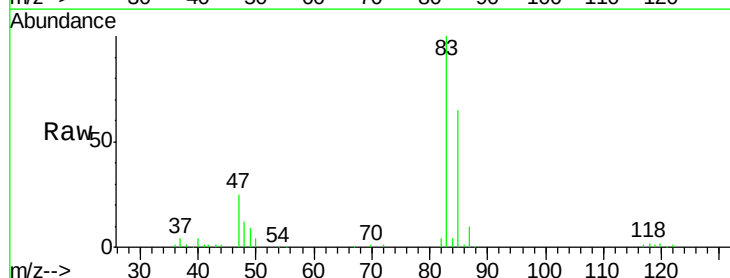
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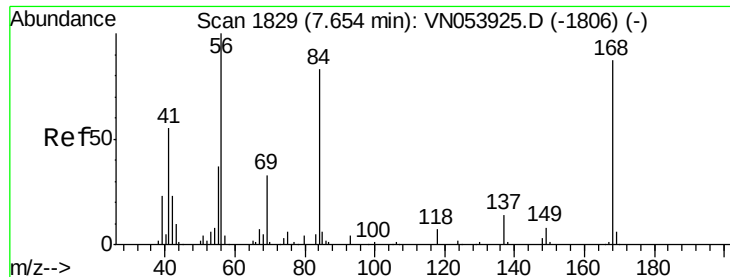
MMDadoda
3/4/2019 1:53:47 PM



#30
Chloroform
Concen: 20.124 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





#31

Cyclohexane

Concen: 20.043 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

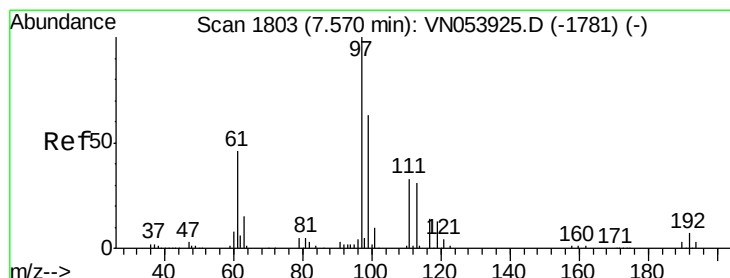
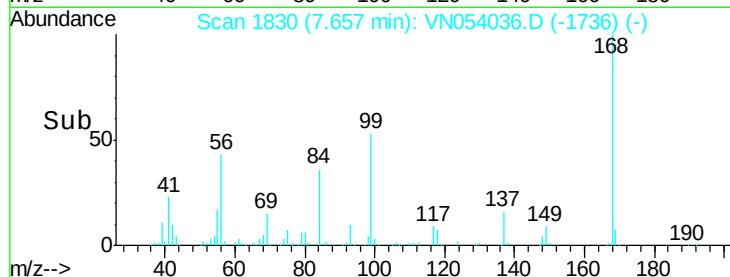
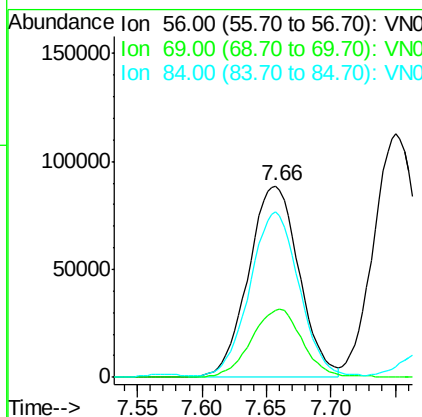
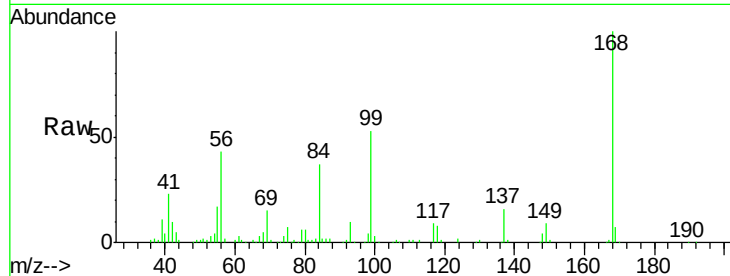
ClientSampleId :

VN0302WBSD01

Tot Ion:	56	Resp:	242444
Ion	Ratio	Lower	Upper
56	100		
69	35.1	26.0	39.0
84	85.7	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.339 ug/l

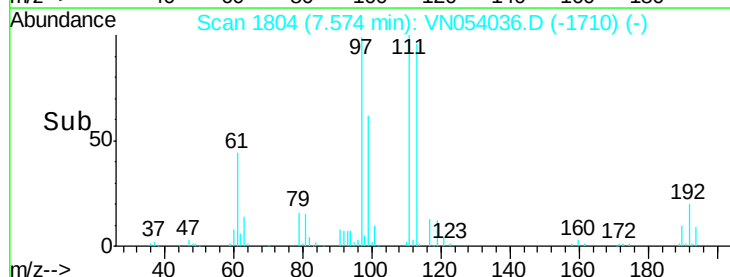
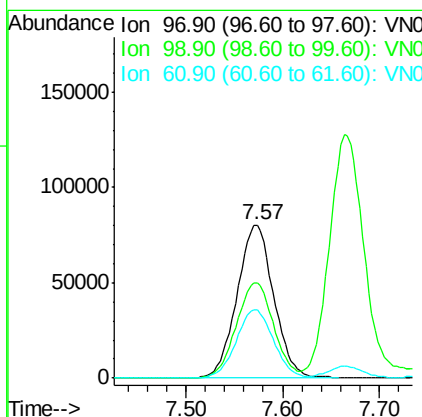
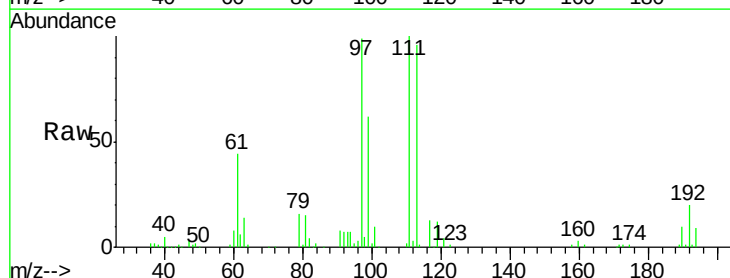
RT: 7.57 min Scan# 1804

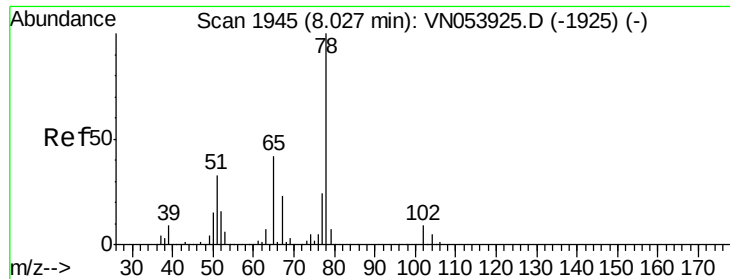
Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion:	97	Resp:	212336
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	45.2	33.2	49.8





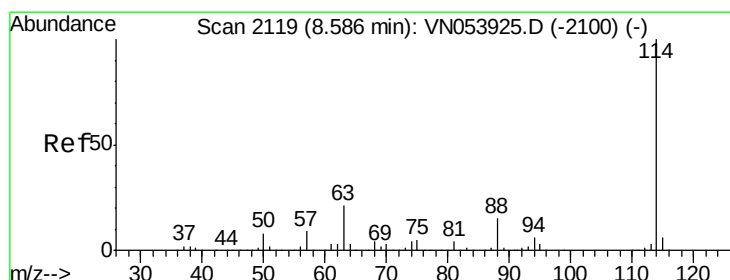
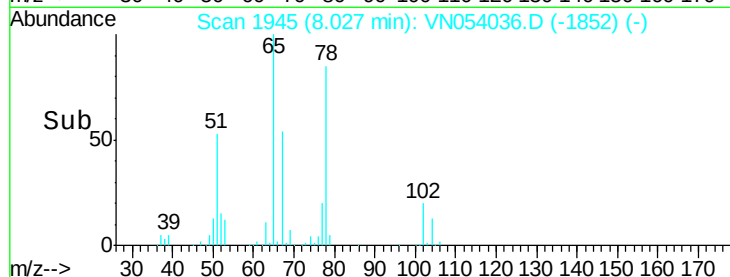
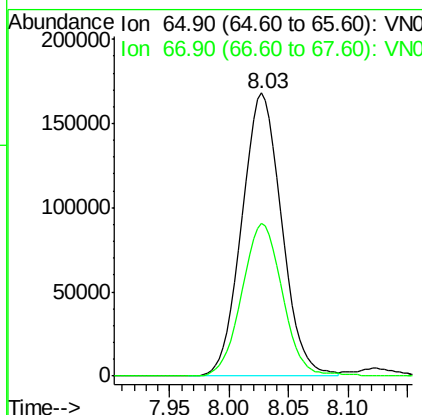
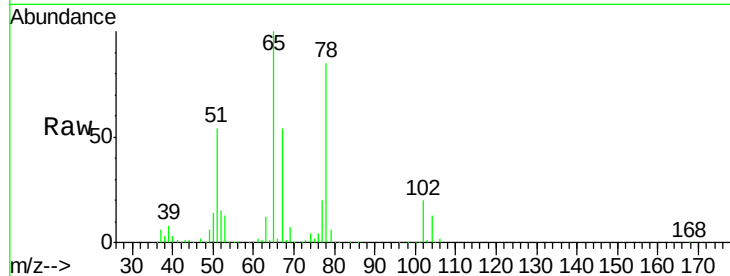
#33
 1,2-Dichloroethane-d4
 Concen: 52.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	111.8	

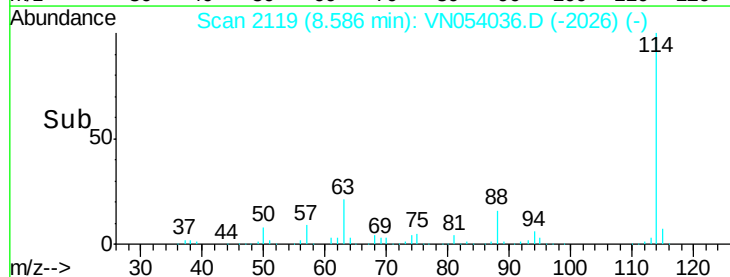
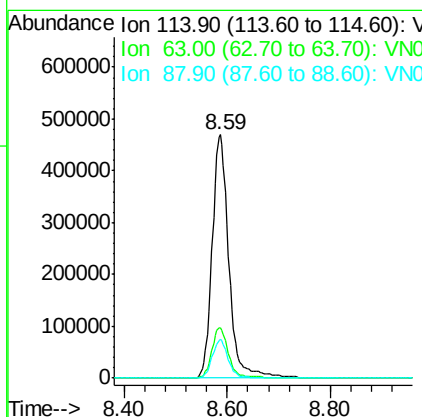
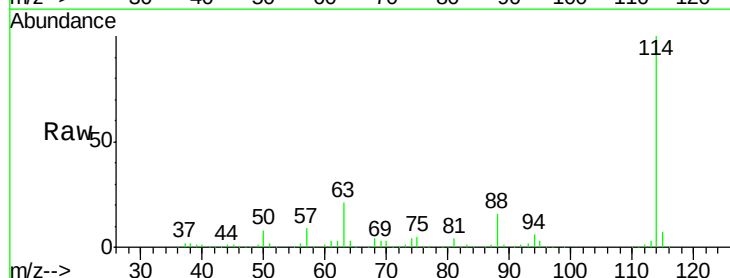
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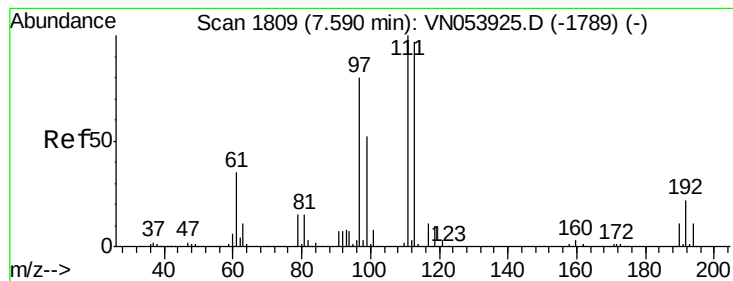
MMDadoda
 3/4/2019 1:53:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	37.4	
88	15.7	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.934 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

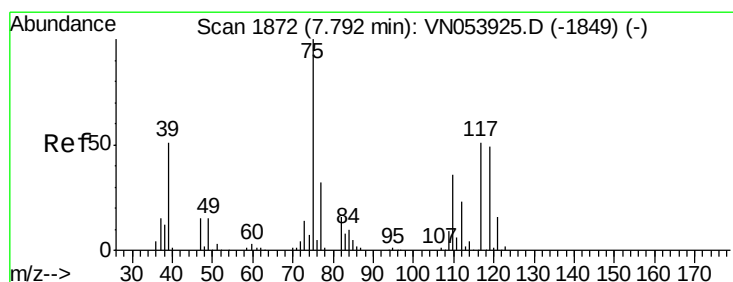
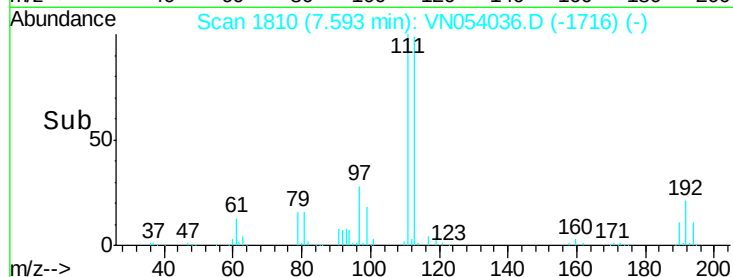
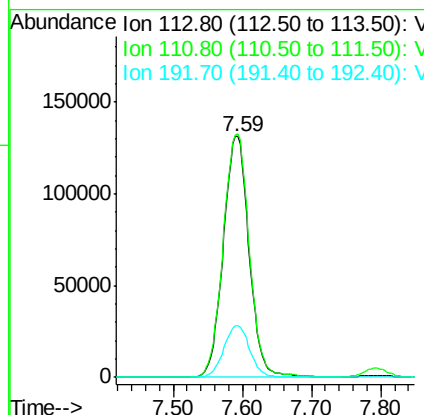
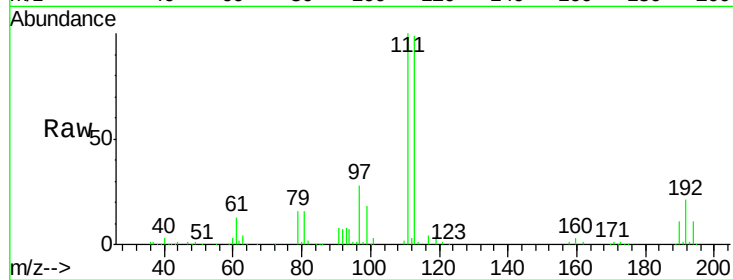
ClientSampled :

VN0302WBSD01

Tot Ion:	113	Resp:	341608
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.1	121.7
192	21.5	18.8	28.2

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3/4/2019 1:53:47 PM



#36

1,1-Dichloropropene

Concen: 19.065 ug/l

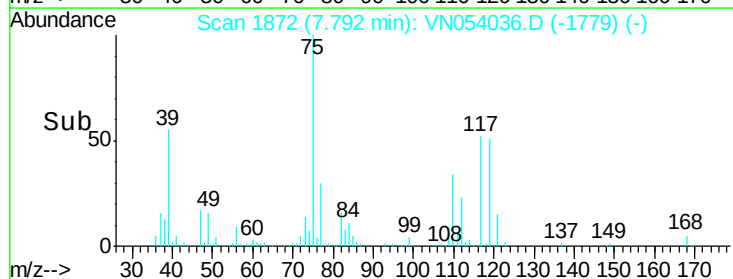
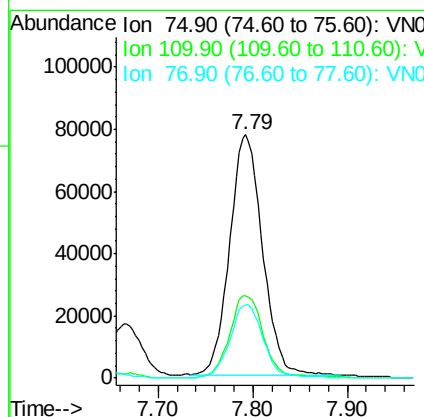
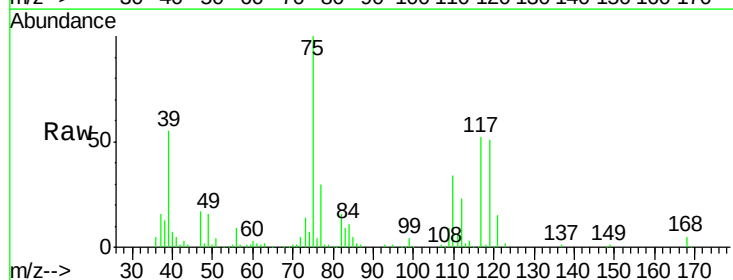
RT: 7.79 min Scan# 1872

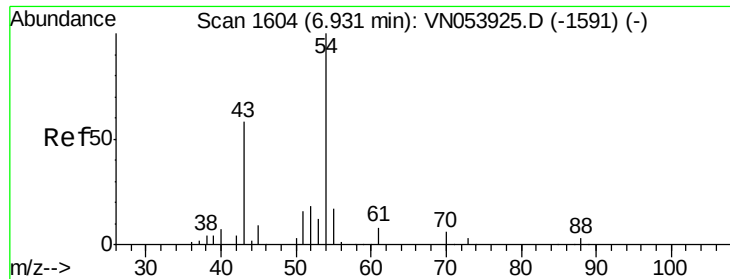
Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion:	75	Resp:	187567
Ion Ratio	Lower	Upper	
75	100		
110	35.1	19.0	57.0
77	31.4	25.4	38.0





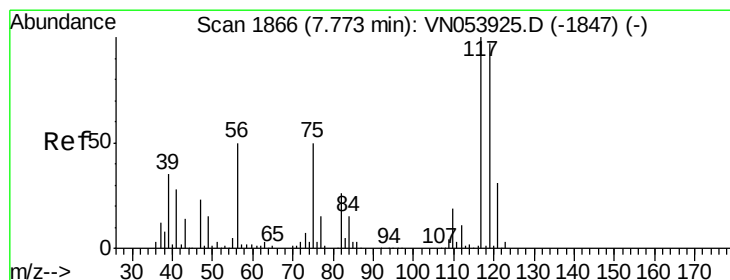
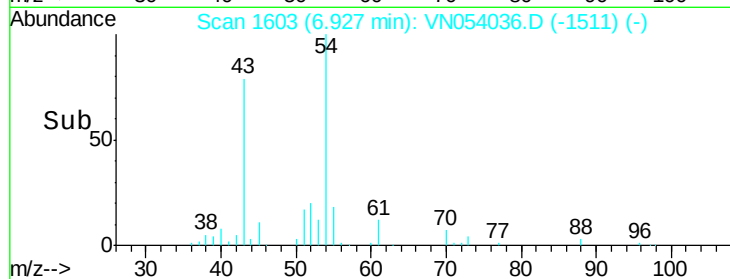
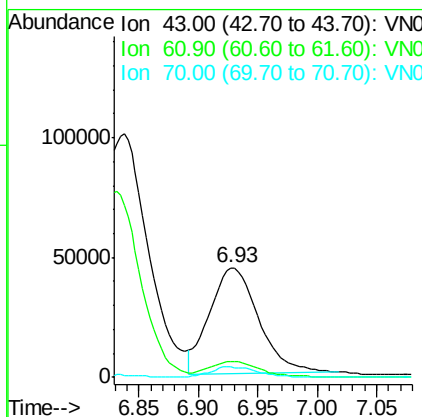
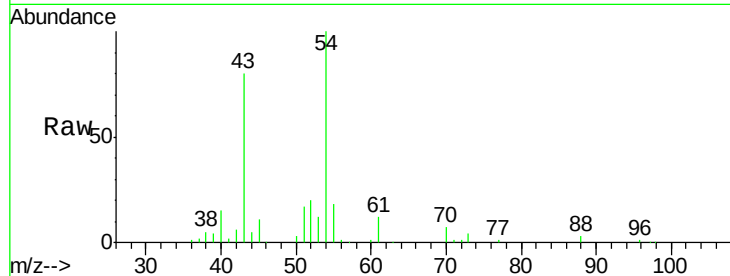
#37
Ethyl Acetate
Concen: 18.103 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	9.9	8.7	13.1

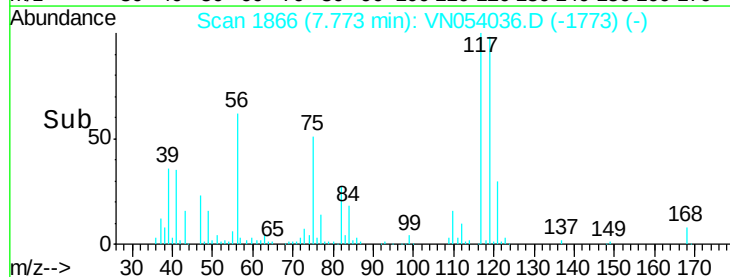
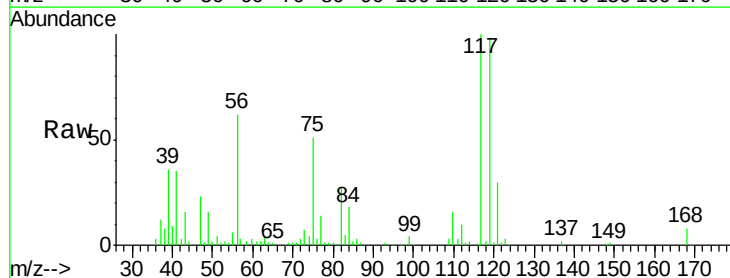
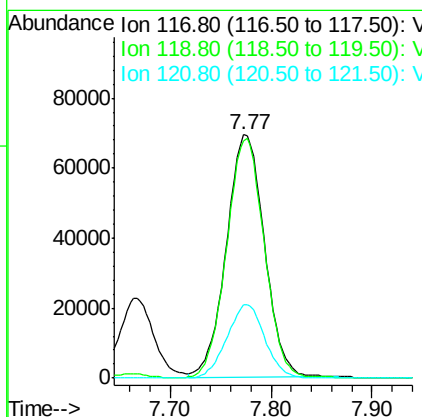
Manual Integrations
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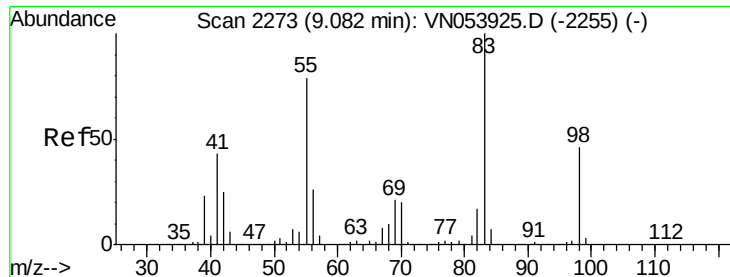
MMDadoda
3/4/2019 1:53:47 PM



#38
Carbon Tetrachloride
Concen: 17.749 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.2
121	30.3	24.6	36.8





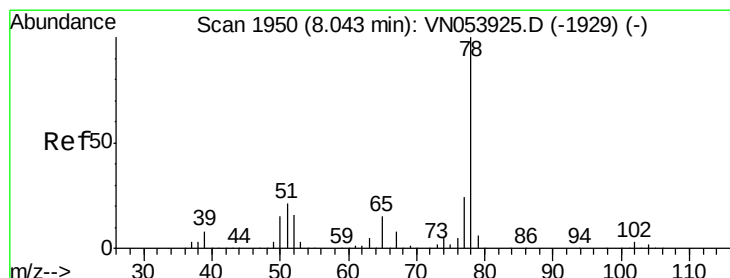
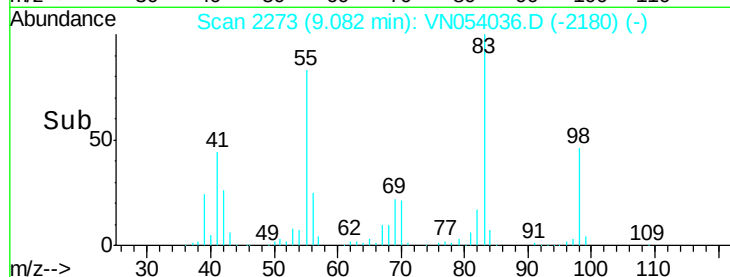
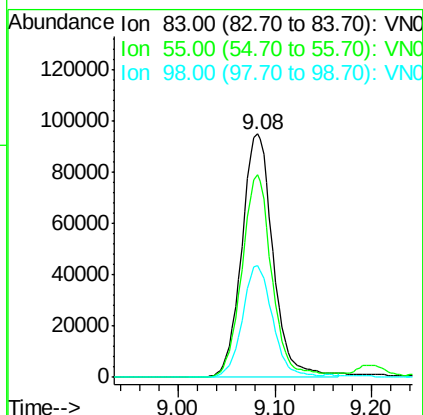
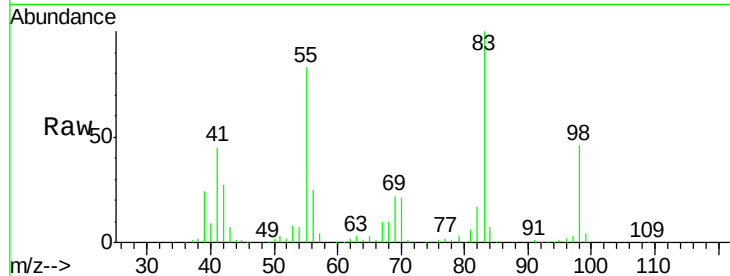
#39
Methylvlcyclohexane
Concen: 18.047 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	58.2	87.4
98	45.8	37.2	55.8

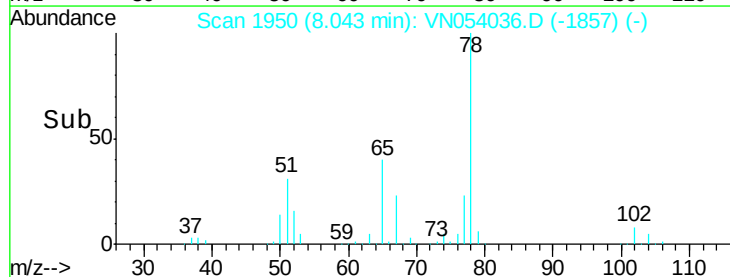
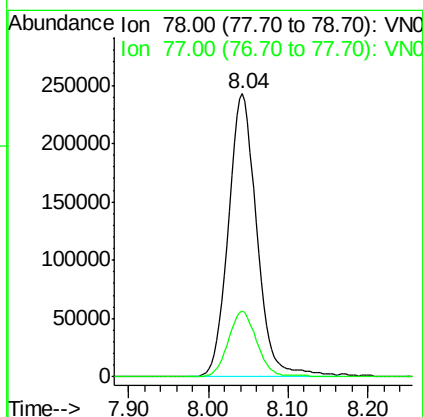
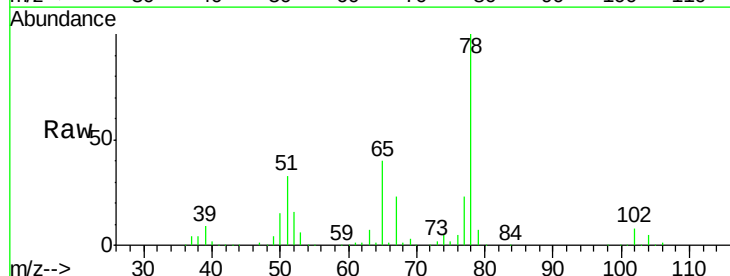
Manual Integrations
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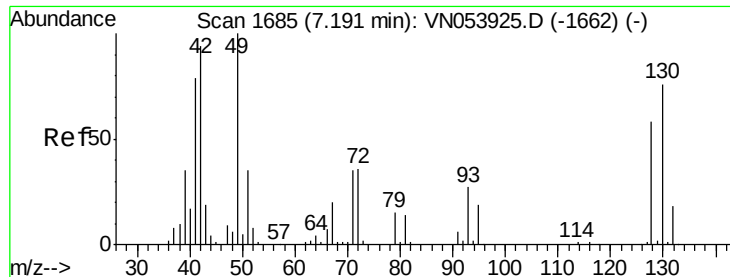
MMDadoda
3/4/2019 1:53:47 PM



#40
Benzene
Concen: 19.419 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 19.044 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 41 Resp: 86146

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

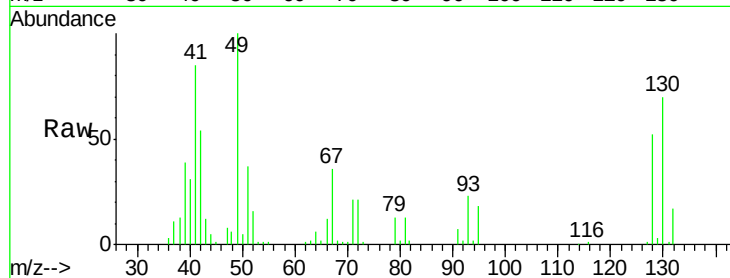
52 0.0 0.0 0.0

Manual Integrations

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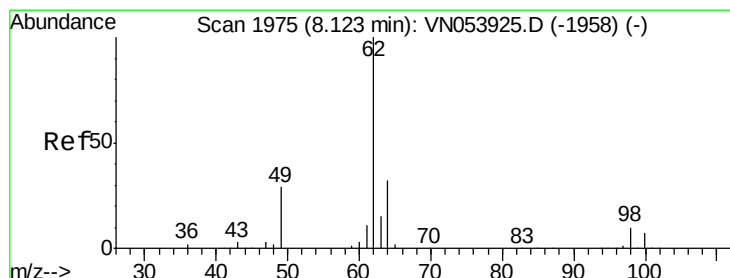
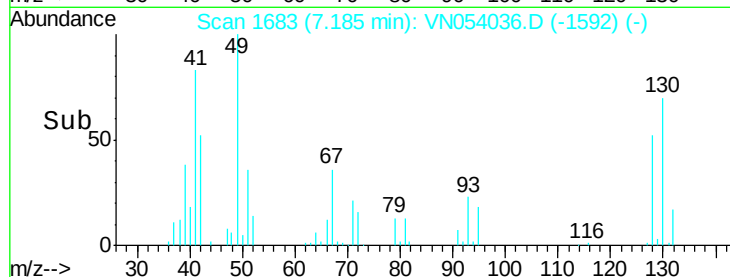
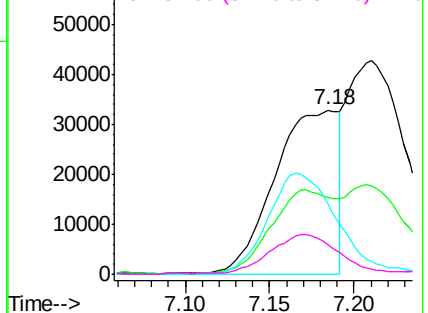


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.503 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054036.D

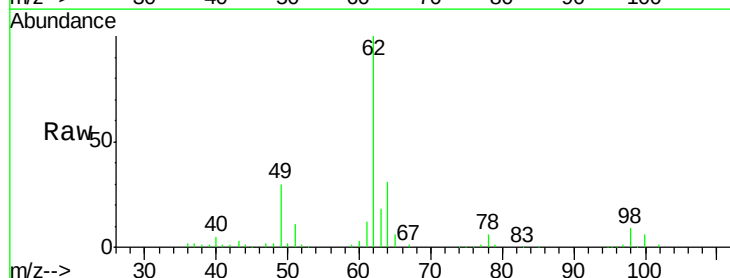
Acq: 1 Mar 2019 18:22

Tgt Ion: 62 Resp: 182497

Ion Ratio Lower Upper

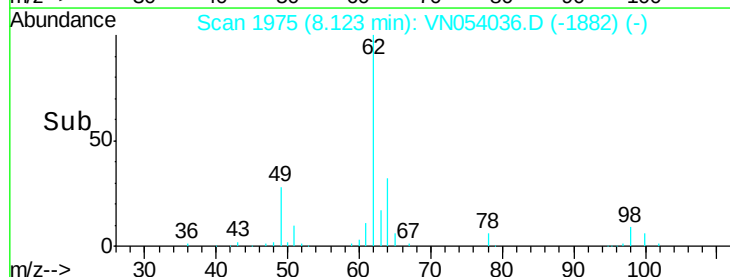
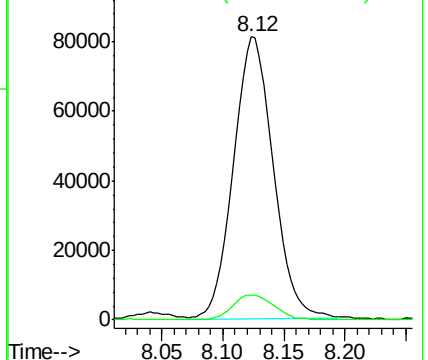
62 100

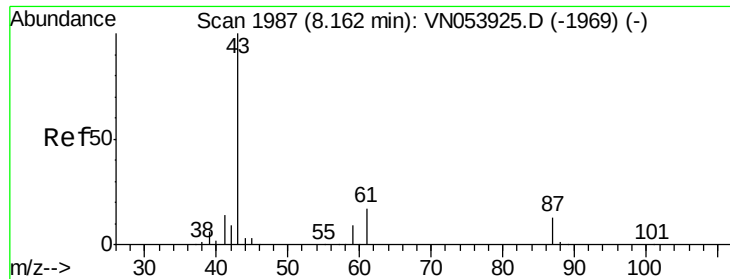
98 9.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.873 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

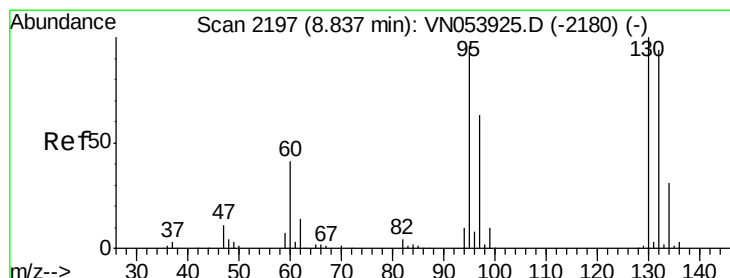
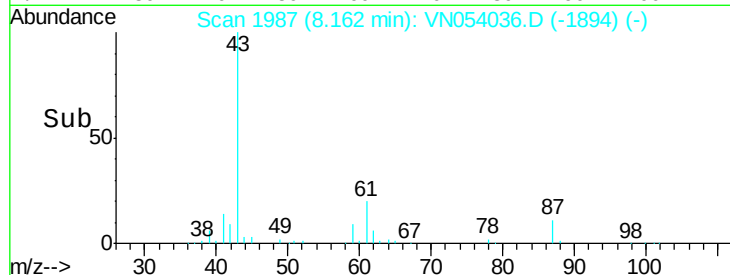
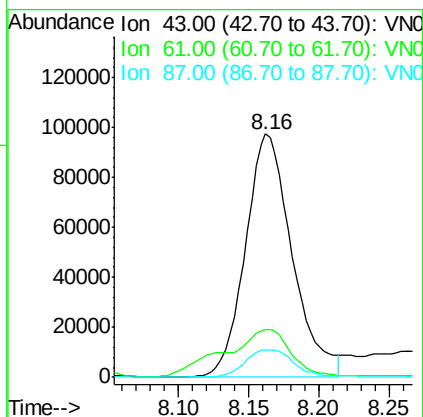
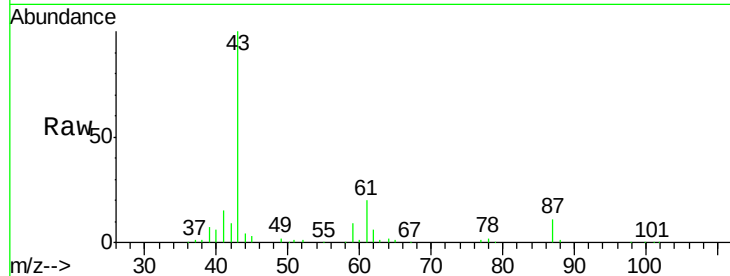
ClientSampleId :

VN0302WBSD01

Tot Ion:	43	Resp:	223860
Ion	Ratio	Lower	Upper
43	100		
61	27.7	17.4	26.0#
87	11.8	11.5	17.3

Manual Integrations
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3/4/2019 1:53:47 PM



#44

Trichloroethene

Concen: 18.795 ug/l

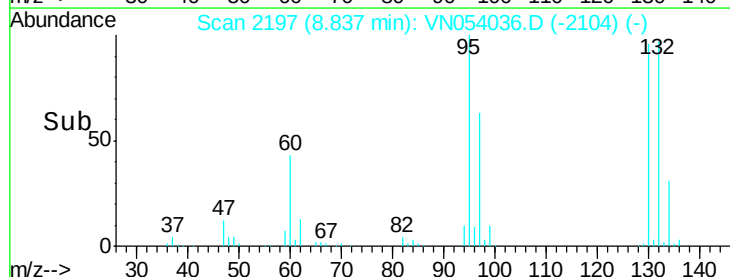
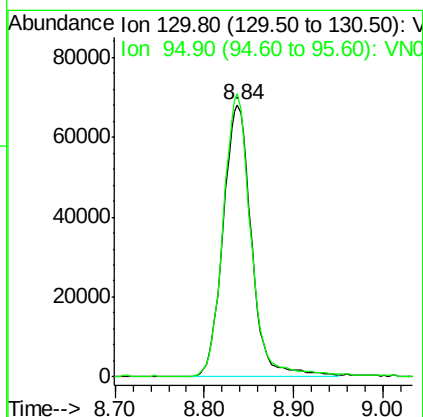
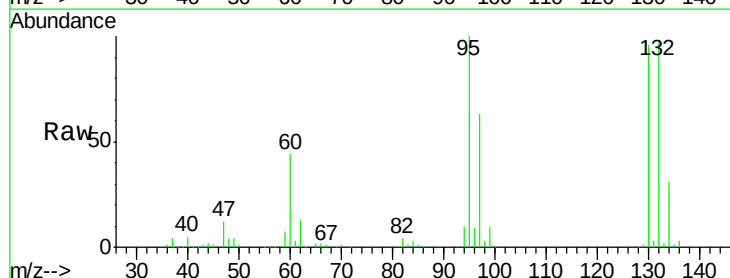
RT: 8.84 min Scan# 2197

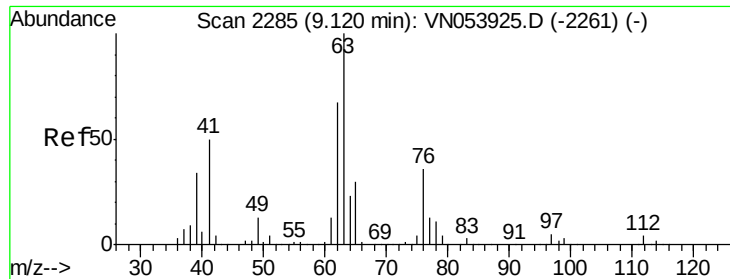
Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion:	130	Resp:	150597
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	190.0





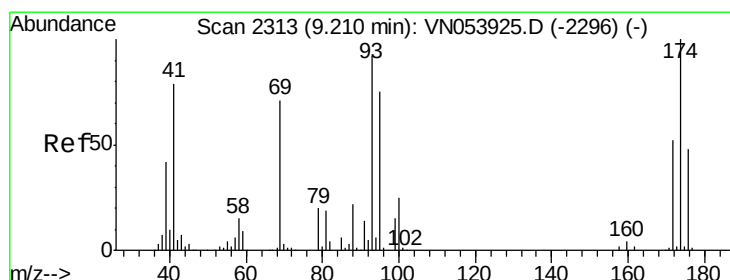
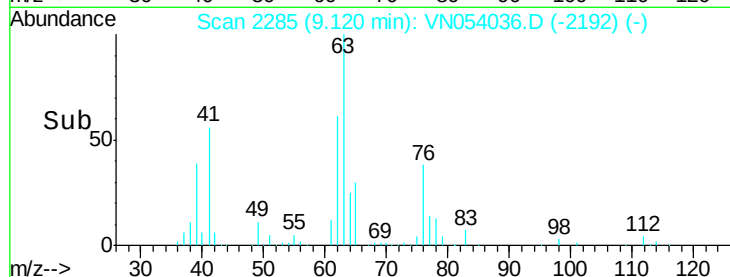
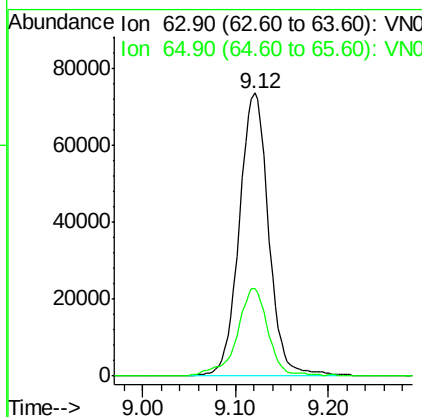
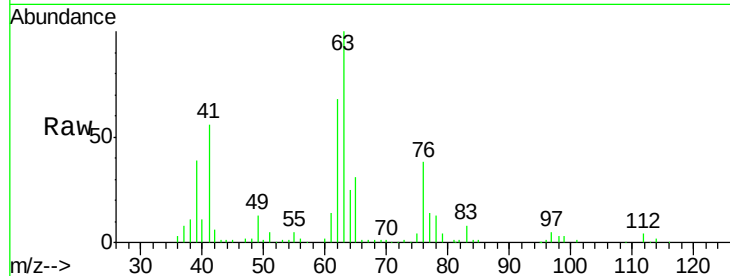
#45
 1,2-Dichloropropane
 Concen: 19.852 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion: 63 Resp: 161875
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5

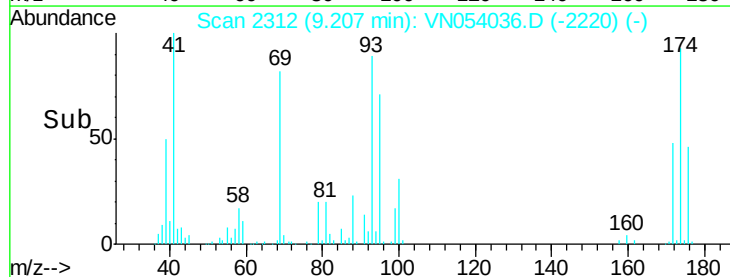
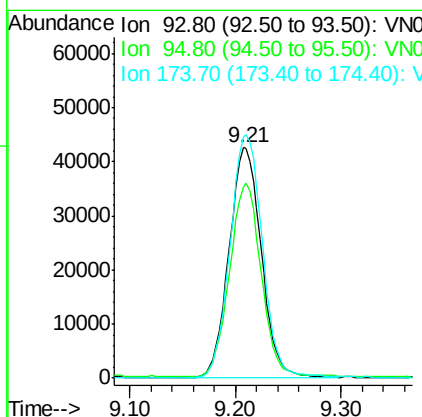
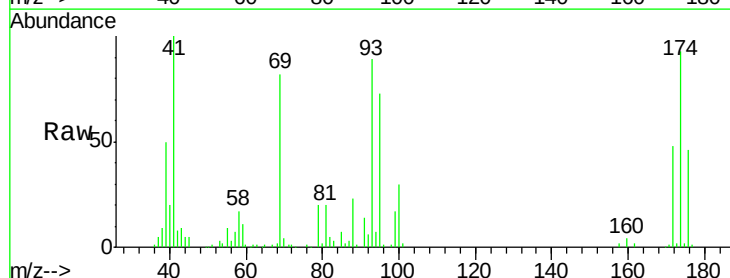
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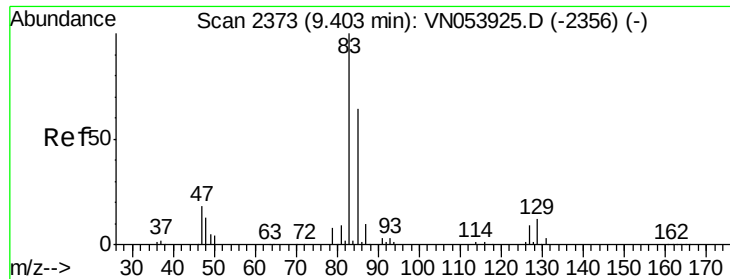
MMDadoda
 3/4/2019 1:53:47 PM



#46
 Dibromomethane
 Concen: 19.162 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 93 Resp: 90714
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.6 100.0
 174 105.9 96.2 144.4





#47

Bromodichloromethane

Concen: 19.575 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

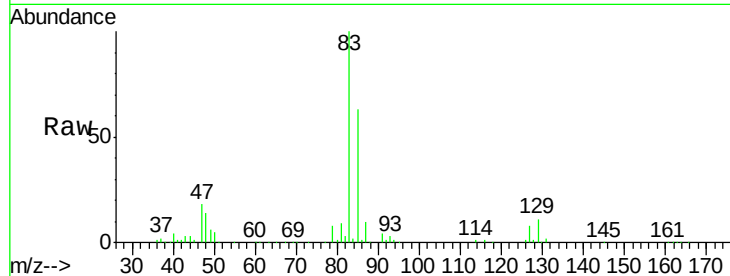
ClientSampleId :

VN0302WBSD01

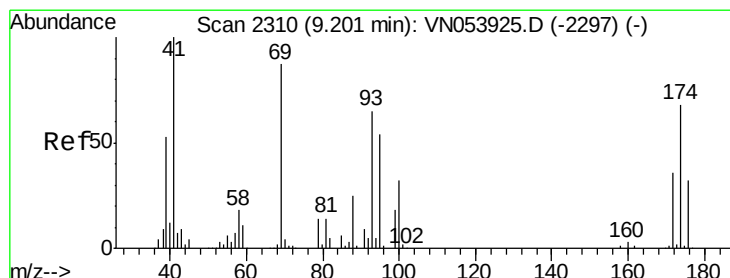
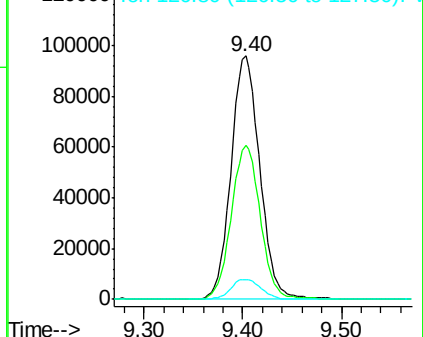
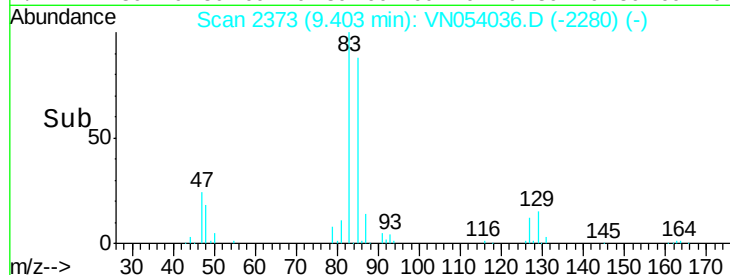
Tot Ion:	83	Resp:	195293
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.8	77.6
127	8.3	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054036.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.635 ug/l

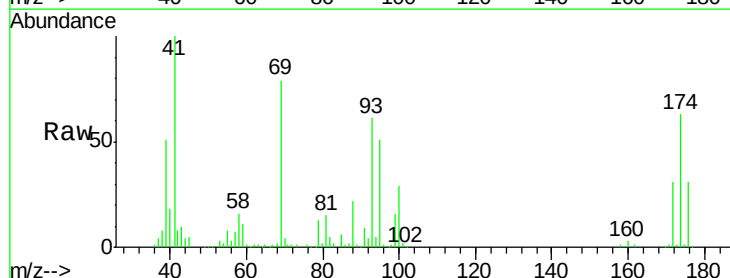
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

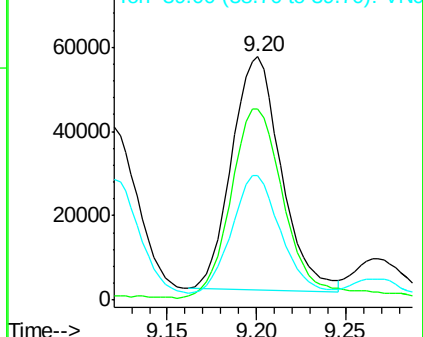
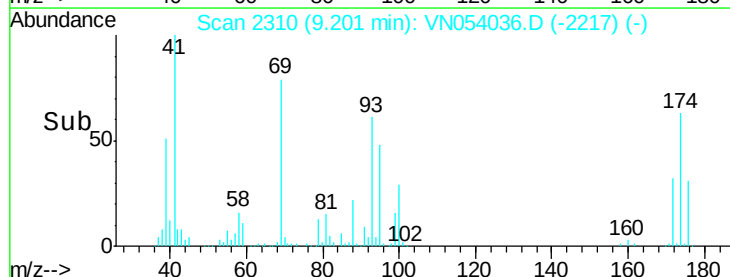
Lab File: VN054036.D

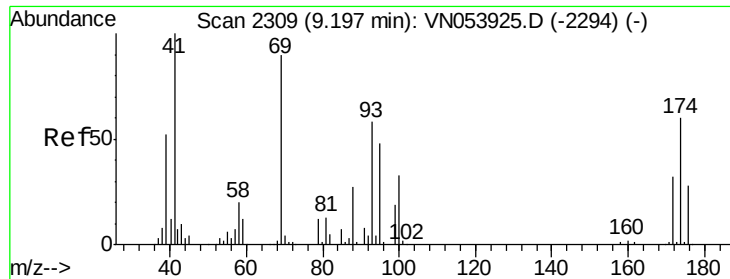
Acq: 1 Mar 2019 18:22

Tgt Ion:	41	Resp:	107124
Ion Ratio	Lower	Upper	
41	100		
69	89.4	74.8	112.2
39	54.4	39.0	58.6



Abundance Ion 41.00 (40.70 to 41.70): VN054036.D (-2217) (-)





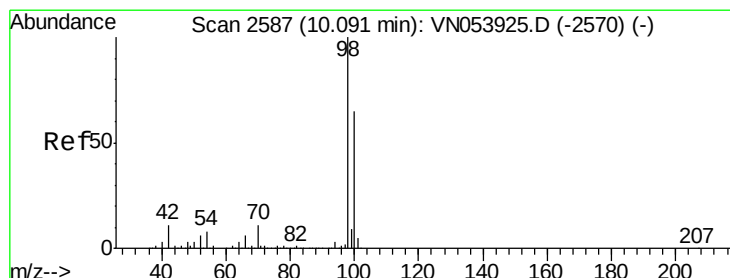
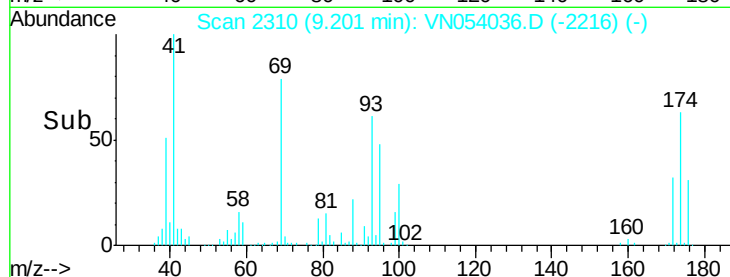
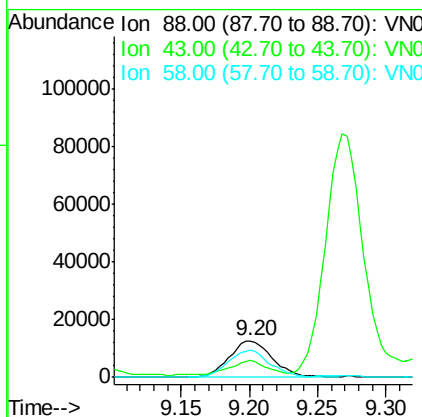
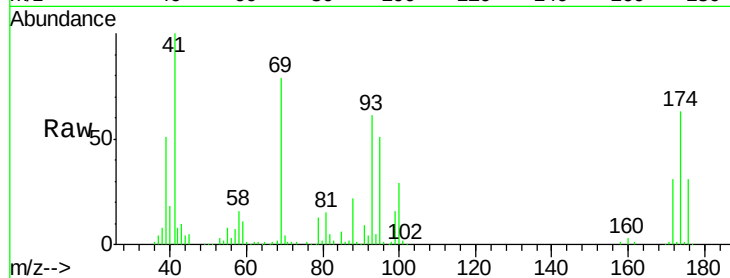
#49
1,4-Dioxane
Concen: 376.131 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	88	Resp	27794
Ion	Ratio	Lower	Upper
88	100		
43	30.8	21.2	31.8
58	71.7	54.2	81.2

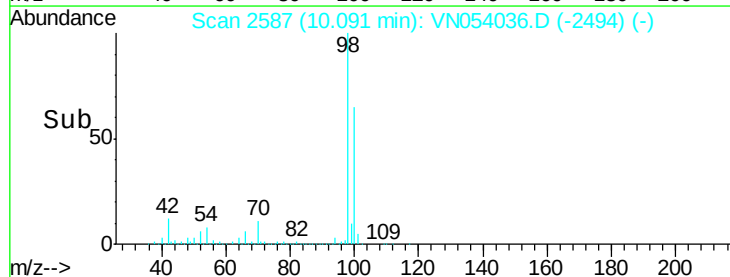
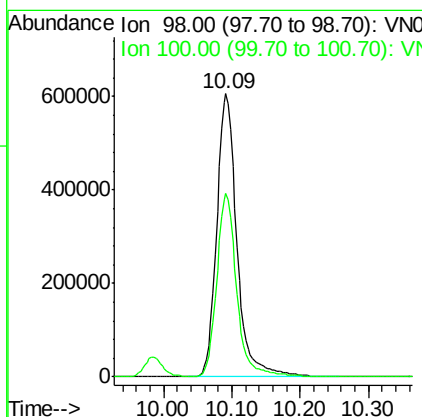
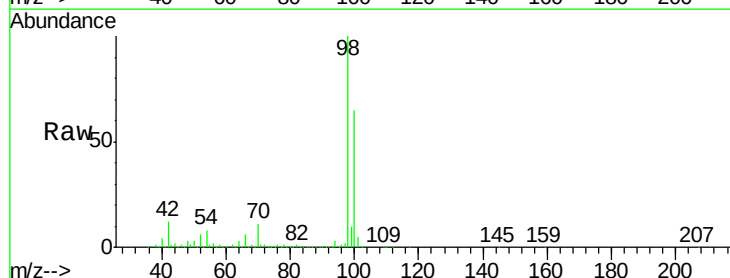
Manual Integrations
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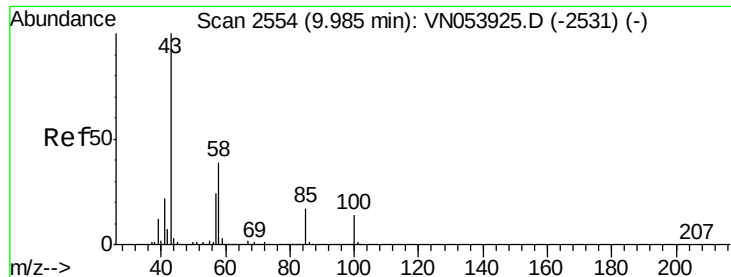
MMDadoda
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#50
Toluene-d8
Concen: 48.900 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	98	Resp	1245322
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 102.918 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 43 Resp: 627292

Ion Ratio Lower Upper

43 100

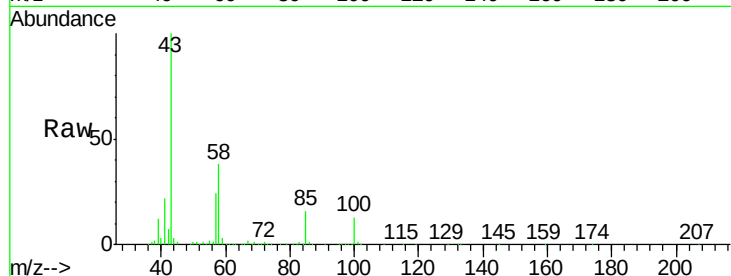
58 37.4 32.7 49.1

Manual Integrations

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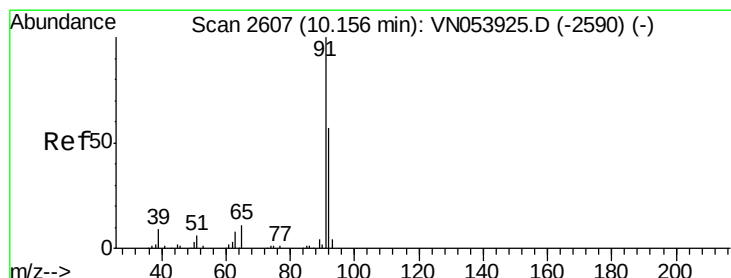
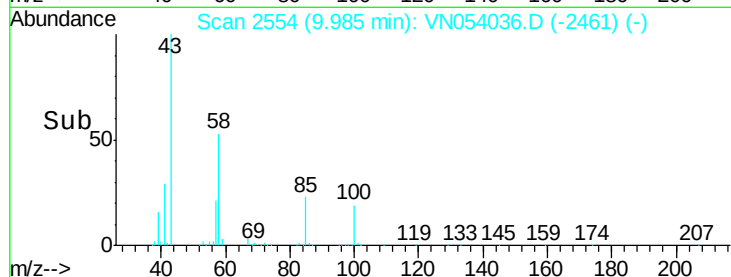
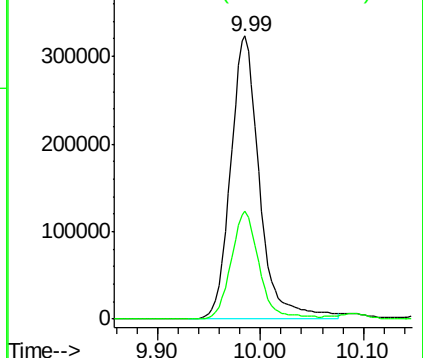
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.581 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054036.D

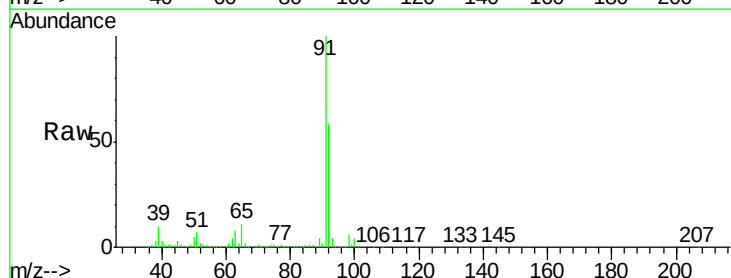
Acq: 1 Mar 2019 18:22

Tgt Ion: 92 Resp: 348473

Ion Ratio Lower Upper

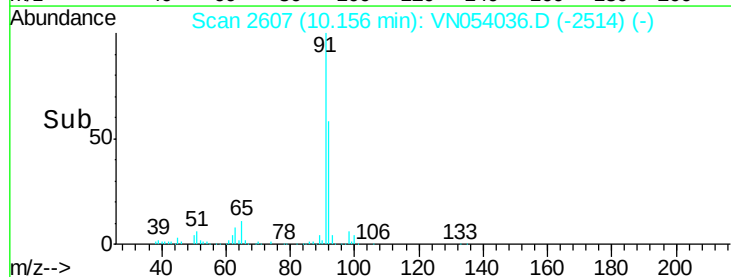
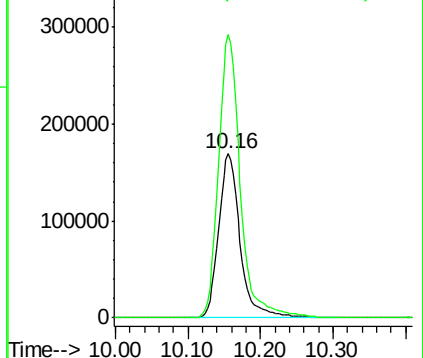
92 100

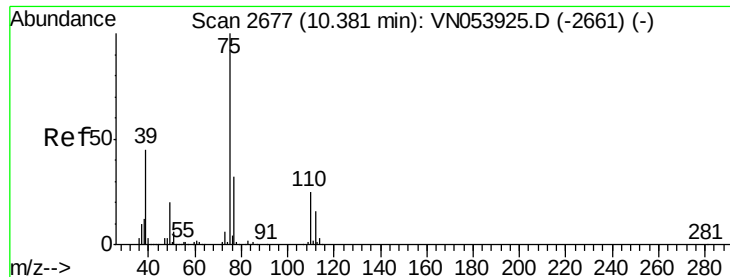
91 173.9 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.934 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 75 Resp: 183796

Ion Ratio Lower Upper

75 100

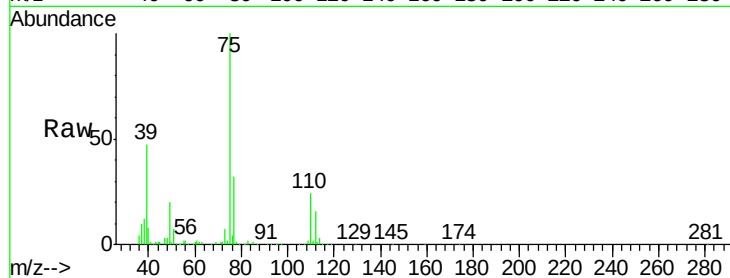
77 32.0 25.0 37.6

Manual Integrations

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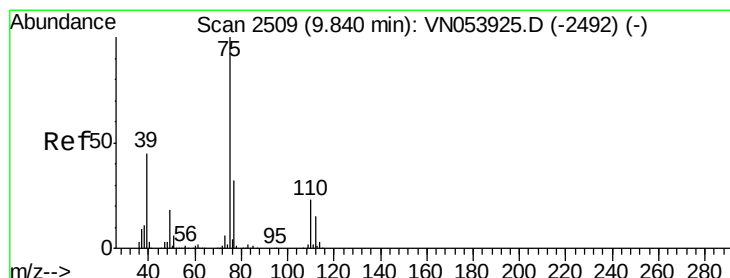
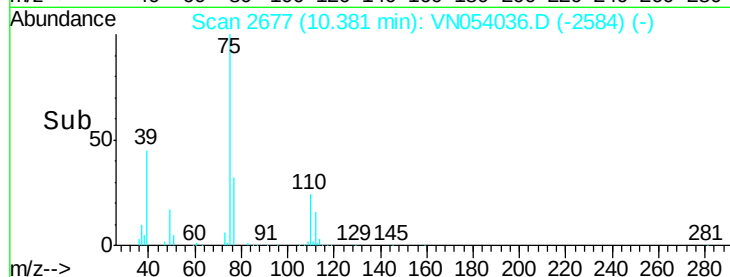
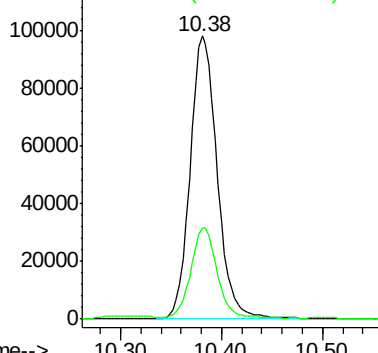
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.395 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

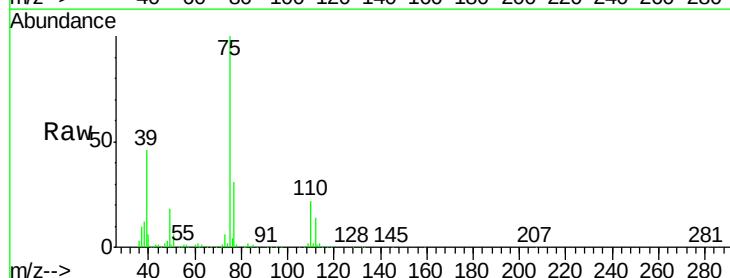
Tgt Ion: 75 Resp: 221951

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

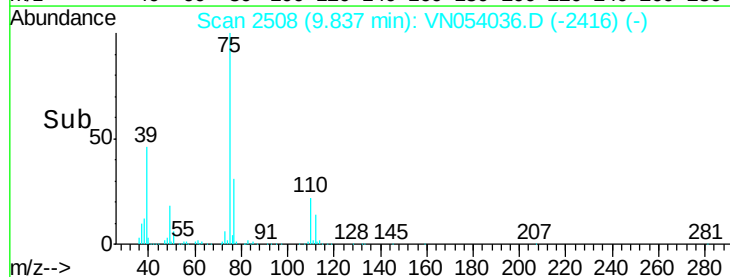
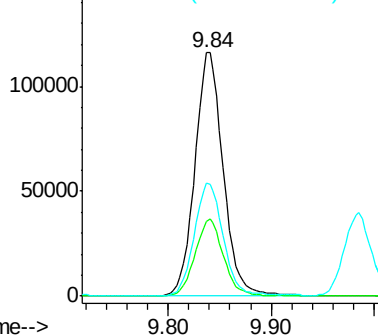
39 46.1 31.4 47.0

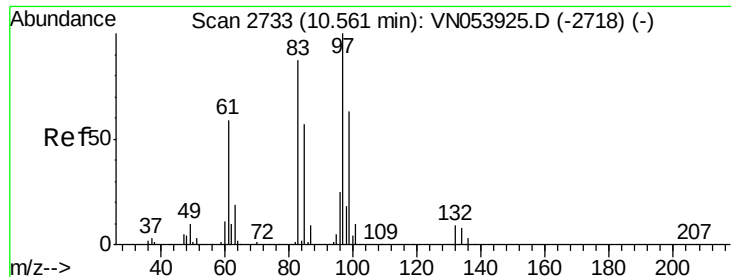


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





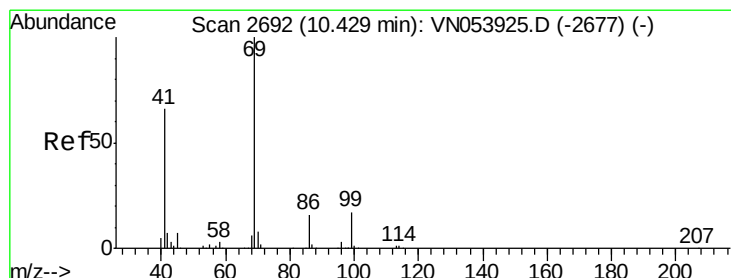
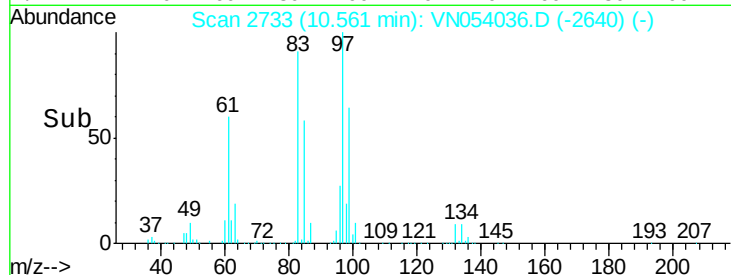
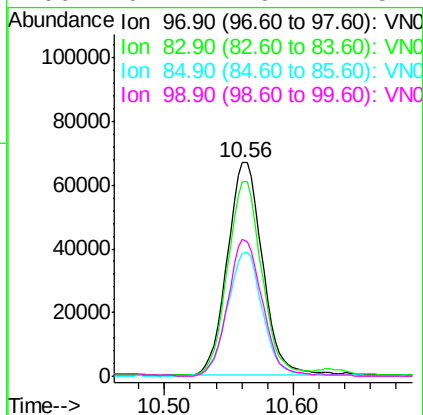
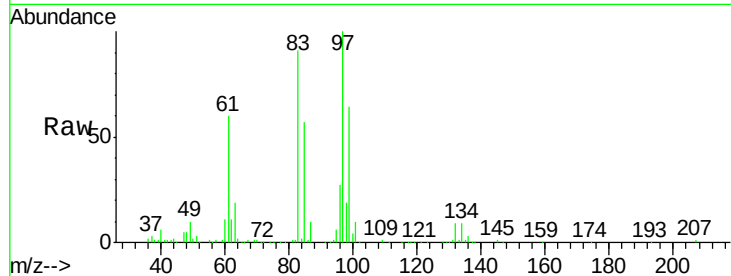
#55
 1,1,2-Trichloroethane
 Concen: 19.205 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion:	97	Resp:	127644
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.5	104.3
85	57.5	45.9	68.9
99	64.1	49.1	73.7

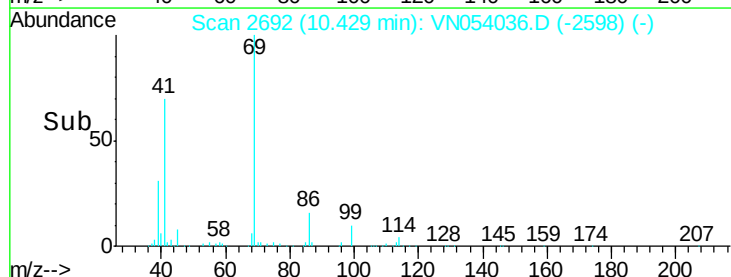
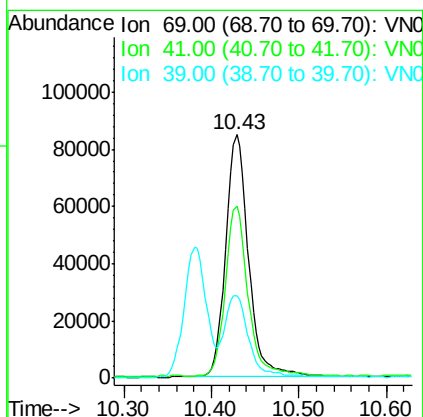
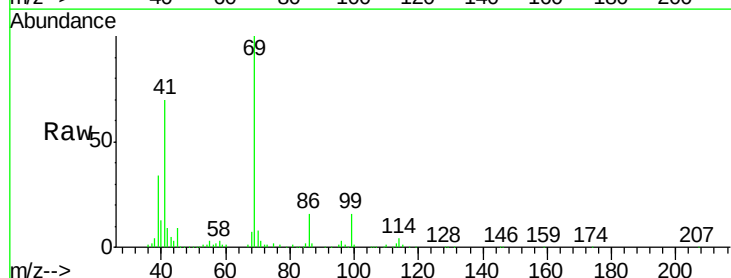
Manual Integrations
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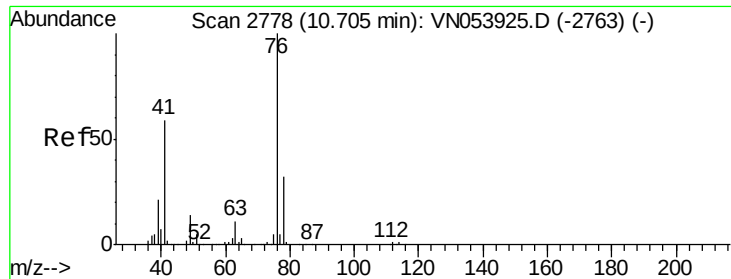
MMDadoda
 3/4/2019 1:53:47 PM



#56
 Ethyl methacrylate
 Concen: 19.038 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion:	69	Resp:	154934
Ion	Ratio	Lower	Upper
69	100		
41	69.1	47.5	71.3
39	33.6	23.4	35.0





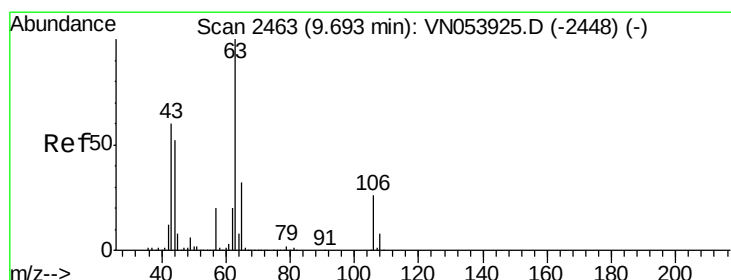
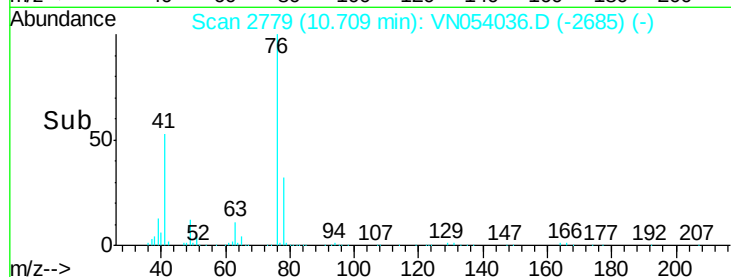
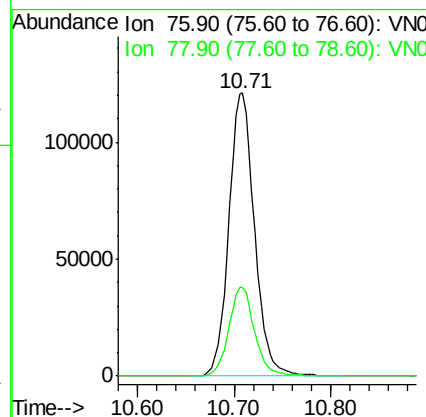
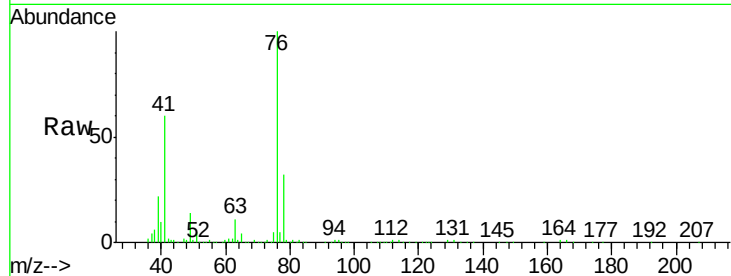
#57
 1,3-Dichloropropane
 Concen: 19.768 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion: 76 Resp: 221989
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

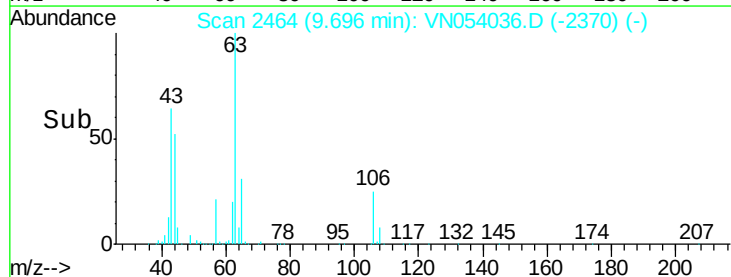
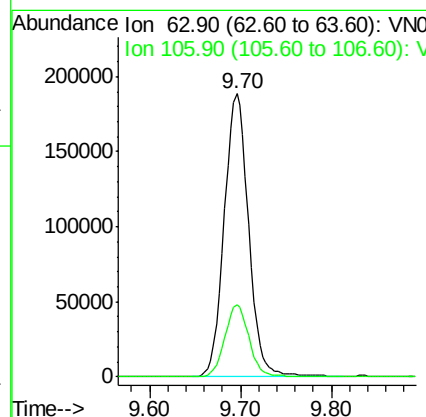
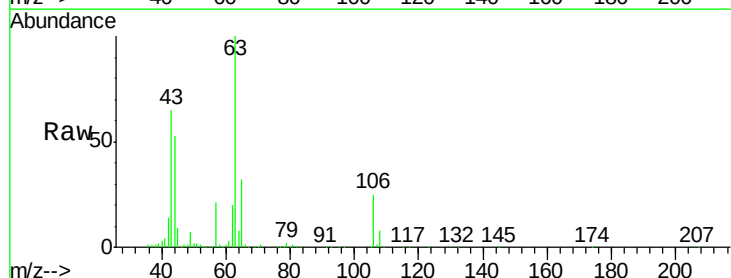
Manual Integrations
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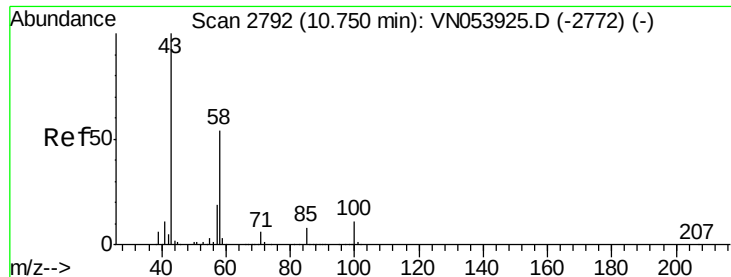
MMDadoda
 3/4/2019 1:53:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.782 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 63 Resp: 352571
 Ion Ratio Lower Upper
 63 100
 106 25.1 22.2 33.2





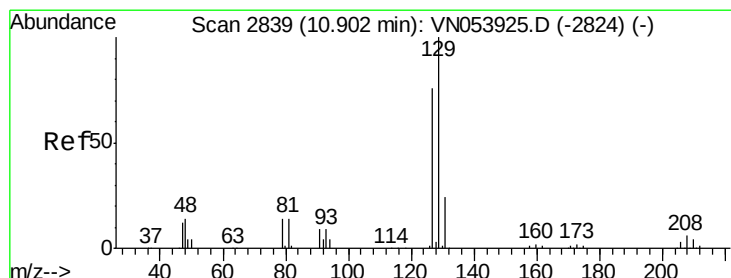
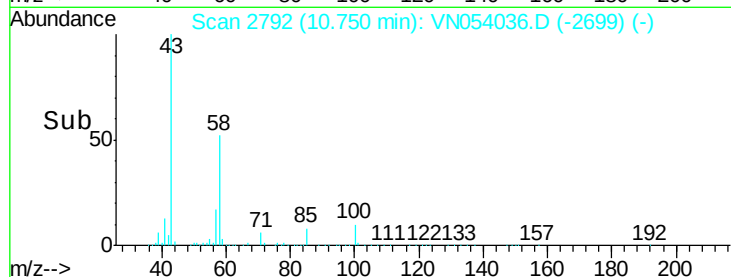
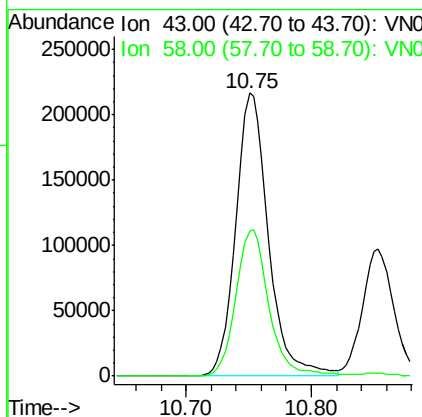
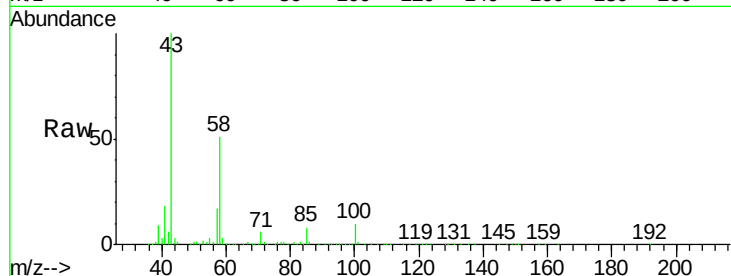
#59
2-Hexanone
Concen: 97.943 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 43 Resp: 388255
Ion Ratio Lower Upper
43 100
58 53.0 29.1 87.4

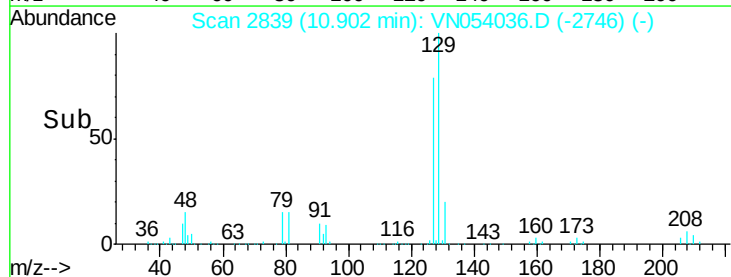
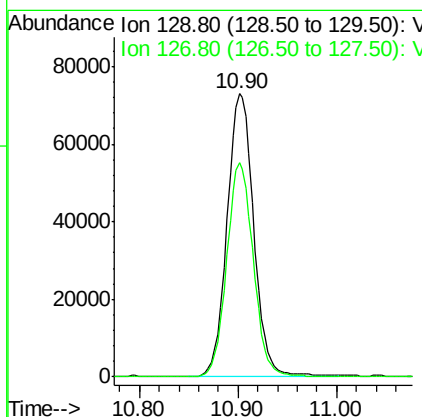
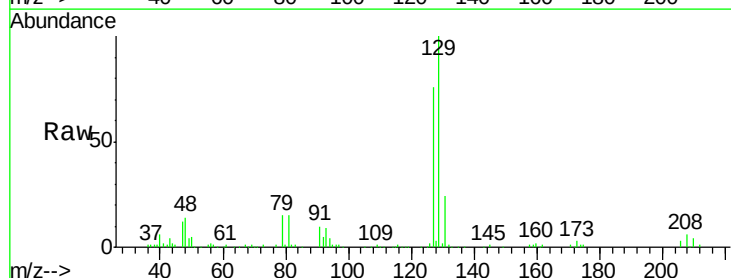
Manual Integrations
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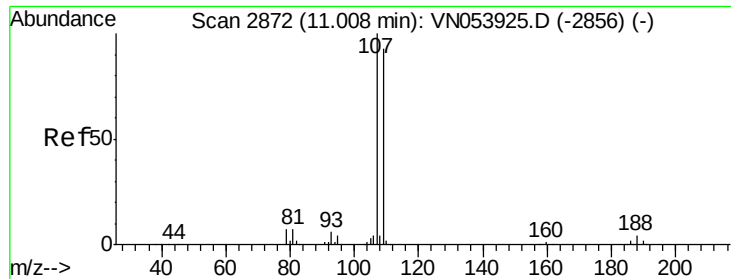
MMDadoda
3/4/2019 1:53:47 PM



#60
Dibromochloromethane
Concen: 18.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 129 Resp: 136915
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





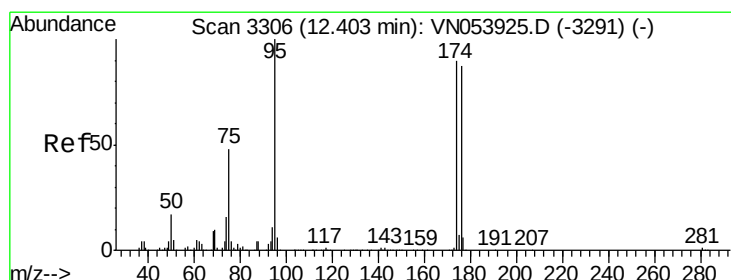
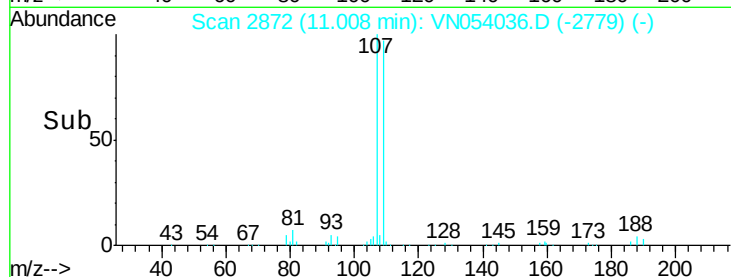
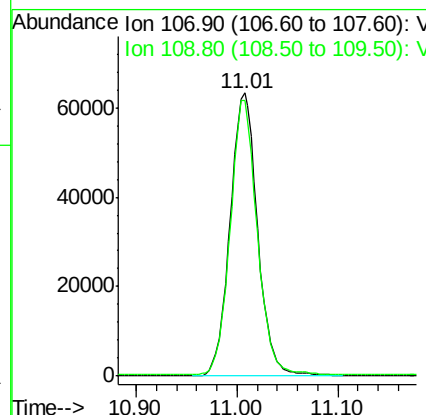
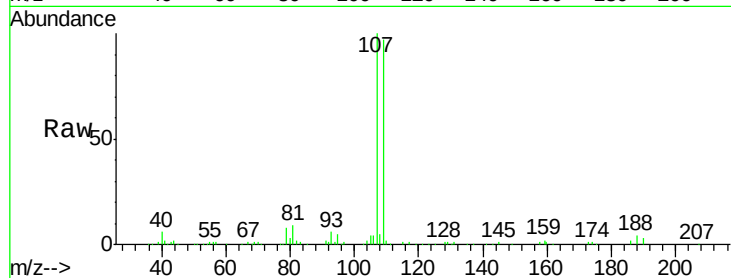
#61
 1,2-Dibromoethane
 Concen: 18.805 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.3	114.5

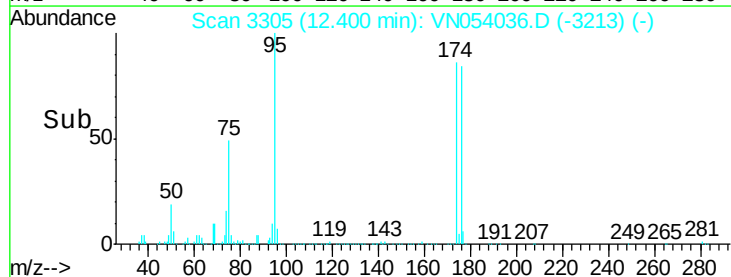
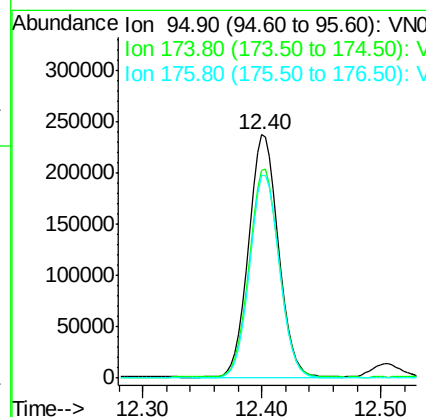
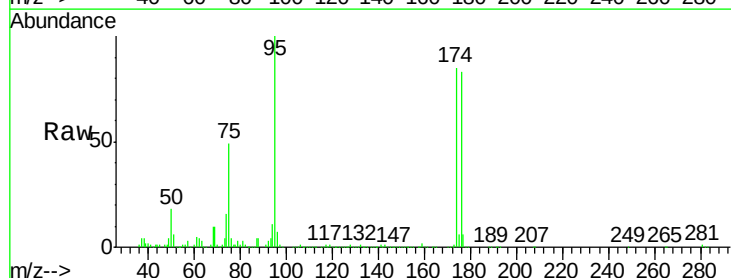
Manual Integrations
 APPROVED

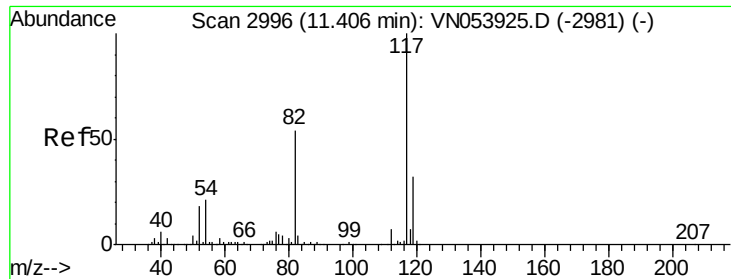
MMDadoda
 3/4/2019 1:53:47 PM



#62
 4-Bromofluorobenzene
 Concen: 48.294 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	188.8
176	83.9	0.0	182.6





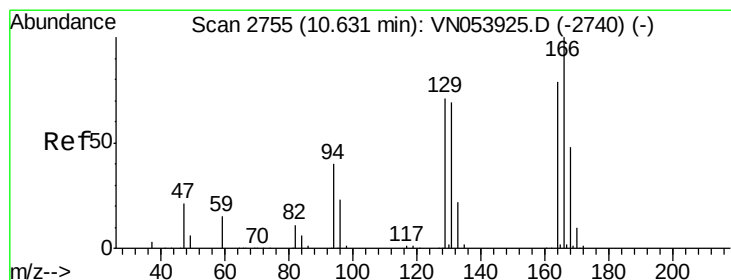
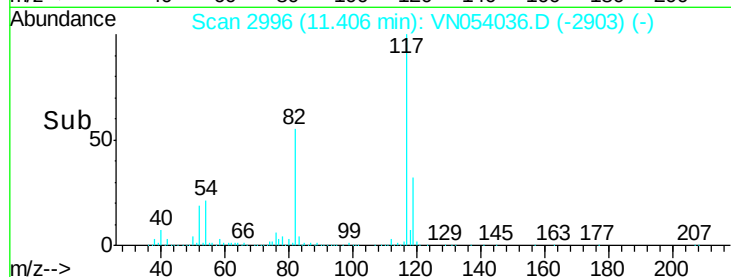
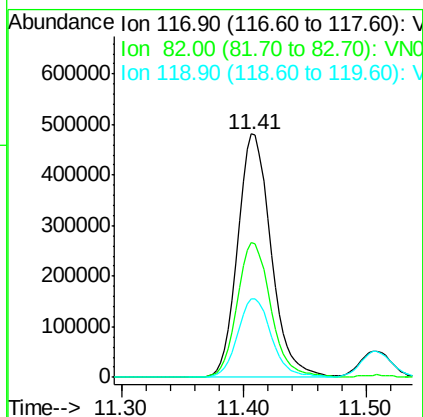
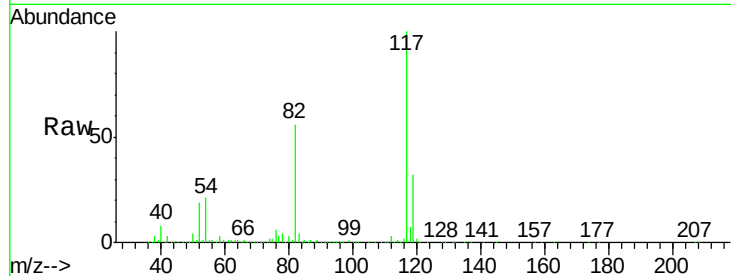
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	910547		
82	55.5	41.4	62.2	
119	32.2	25.3	37.9	

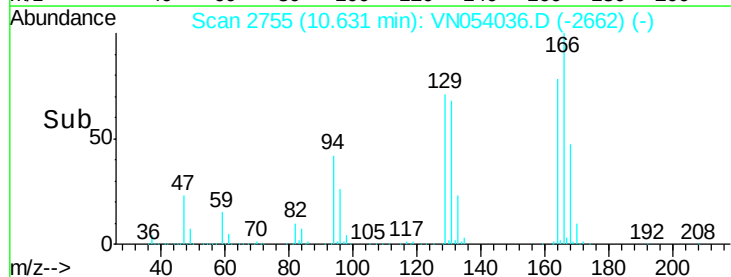
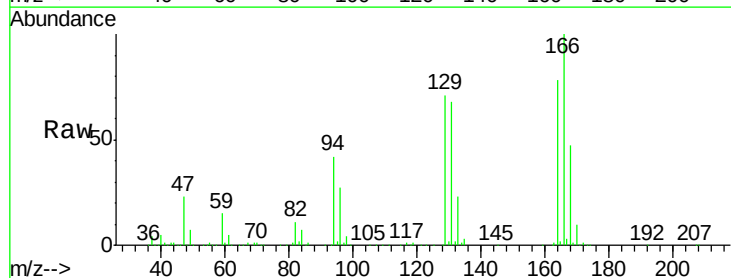
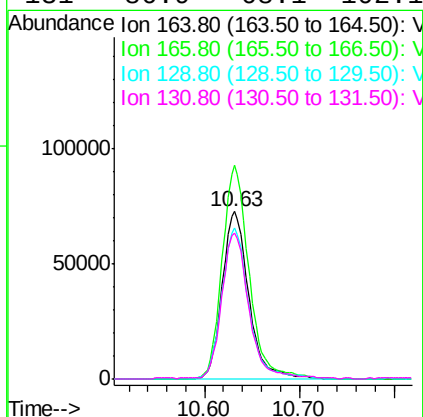
Manual Integrations
APPROVED

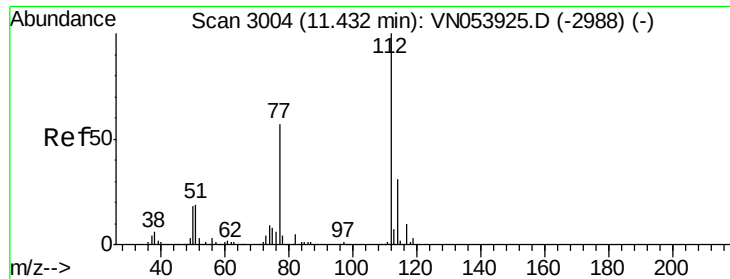
MMDadoda
3/4/2019 1:53:47 PM



#64
Tetrachloroethene
Concen: 18.447 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142233		
166	127.8	102.6	153.8	
129	90.4	69.4	104.0	
131	86.9	68.1	102.1	





#65

Chlorobenzene

Concen: 19.262 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:112 Resp: 370161

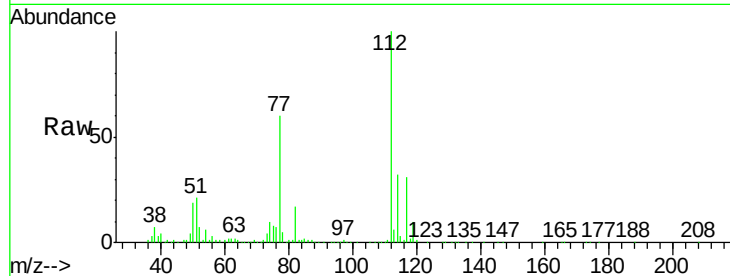
Ion Ratio Lower Upper

112 100

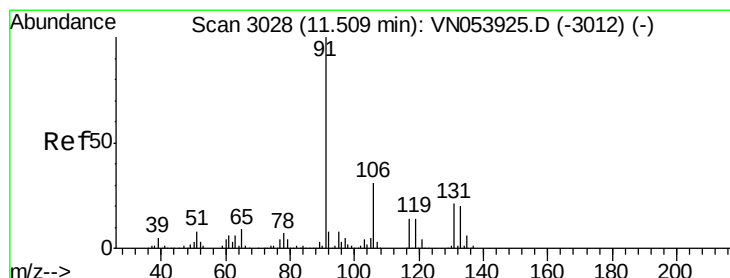
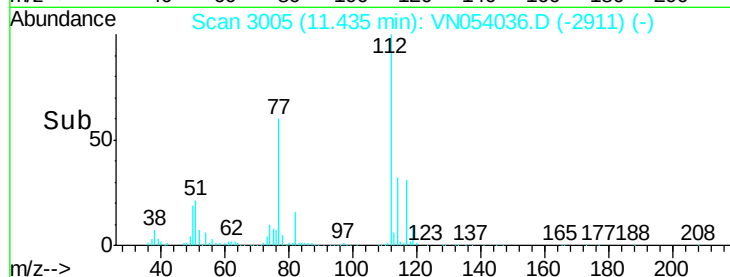
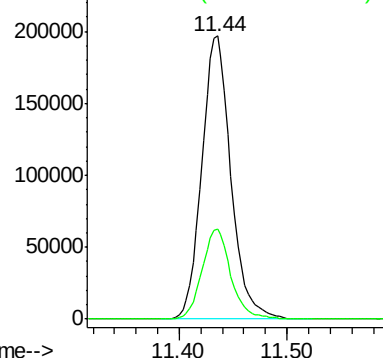
114 31.9 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:53:47 PM



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.360 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

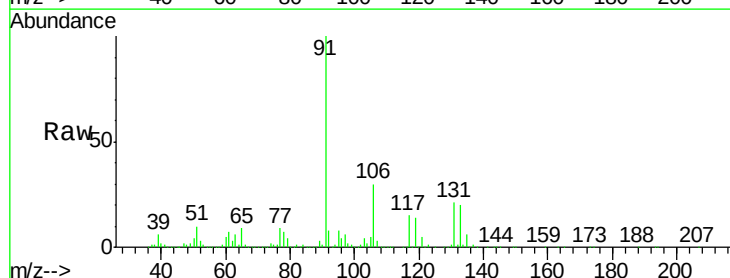
Tgt Ion:131 Resp: 134083

Ion Ratio Lower Upper

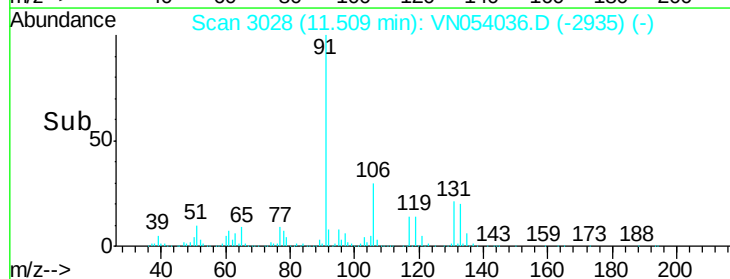
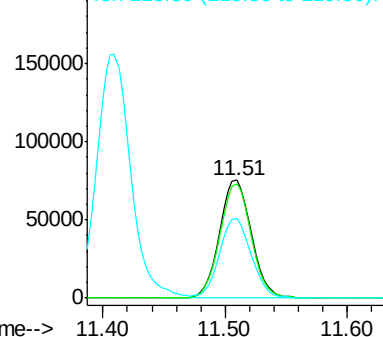
131 100

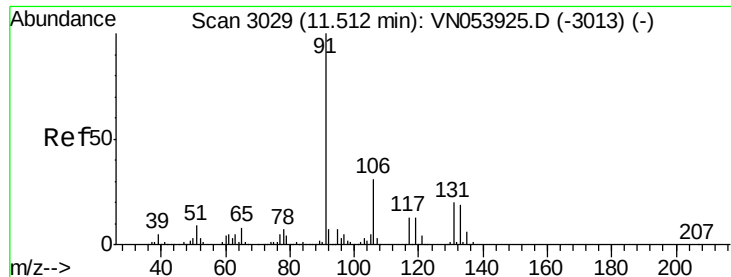
133 95.3 47.7 143.1

119 67.3 33.1 99.3



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





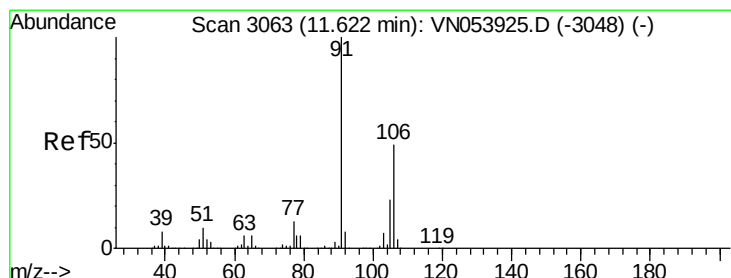
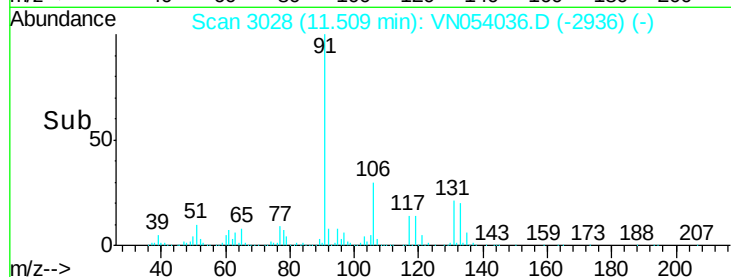
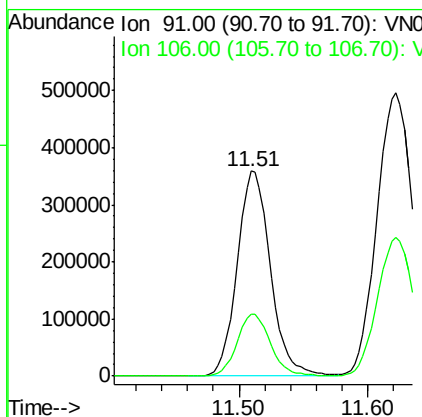
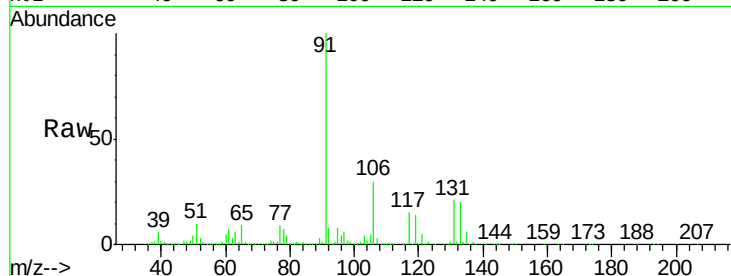
#67
Ethyl Benzene
Concen: 19.960 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 91 Resp: 643010
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8

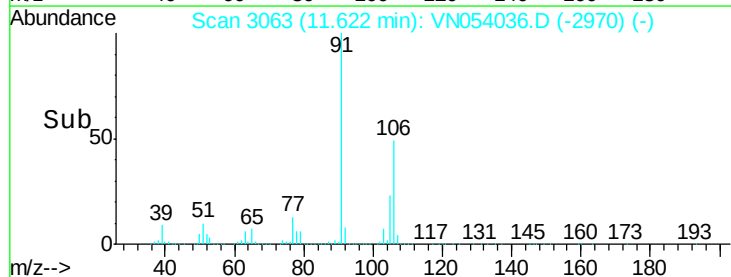
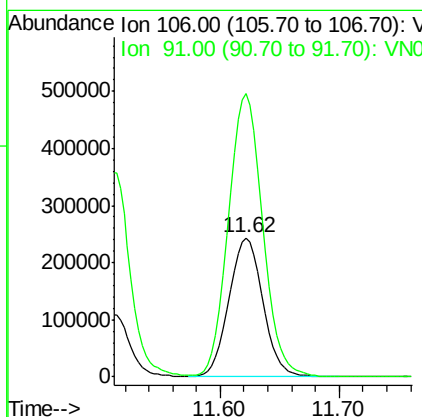
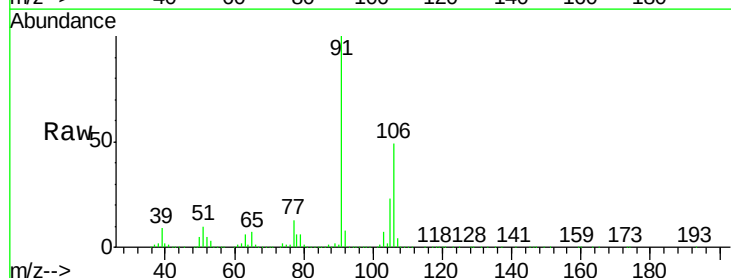
Manual Integrations
APPROVED

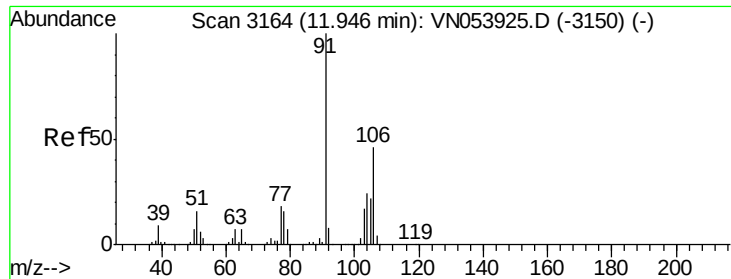
MMDadoda
3/4/2019 1:53:47 PM



#68
m/p-Xylenes
Concen: 39.539 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 106 Resp: 480748
Ion Ratio Lower Upper
106 100
91 205.3 158.9 238.3





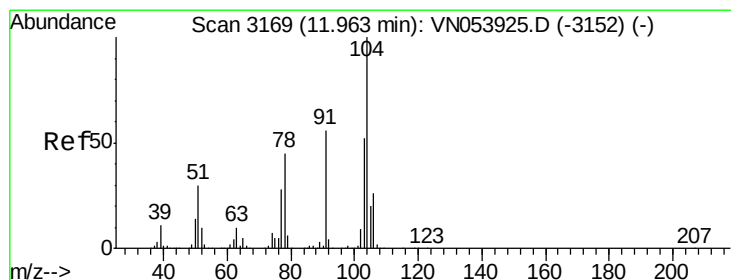
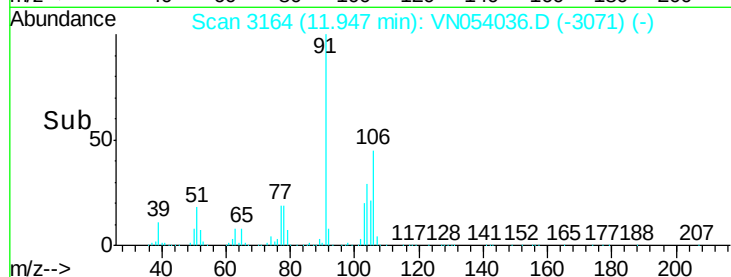
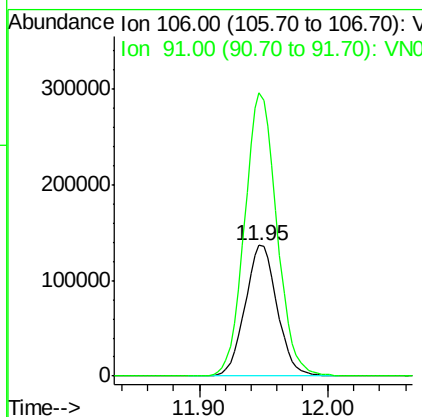
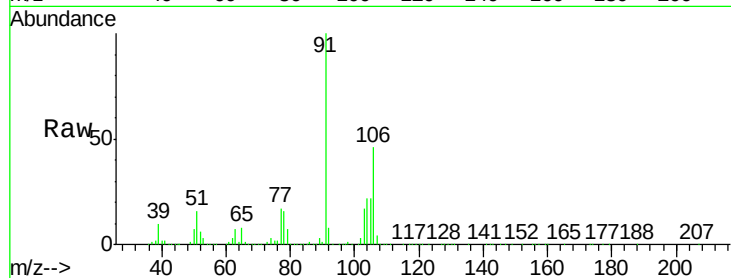
#69
o-Xylene
Concen: 19.742 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion:106 Resp: 235855
Ion Ratio Lower Upper
106 100
91 216.9 106.0 318.0

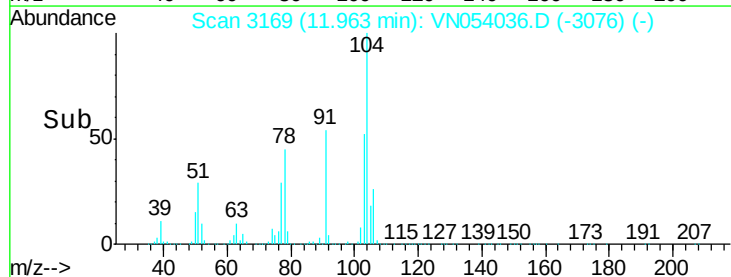
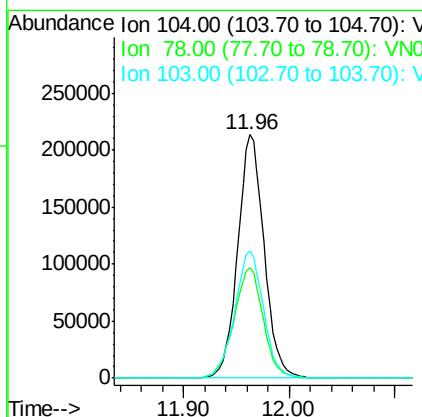
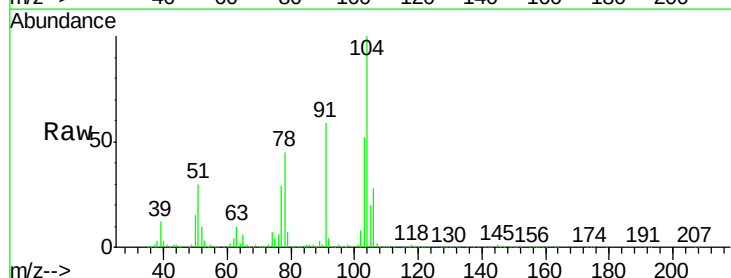
Manual Integrations
APPROVED

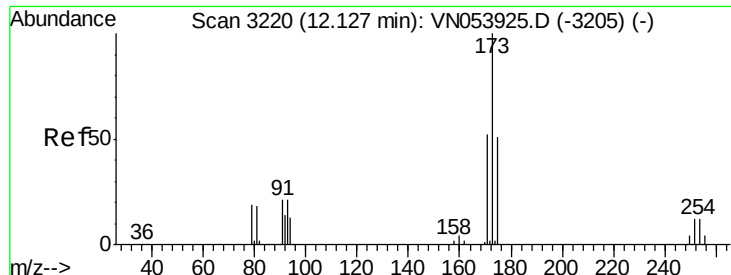
MMDadoda
3/4/2019 1:53:47 PM



#70
Styrene
Concen: 20.033 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:104 Resp: 368129
Ion Ratio Lower Upper
104 100
78 50.7 38.1 57.1
103 57.2 44.6 67.0





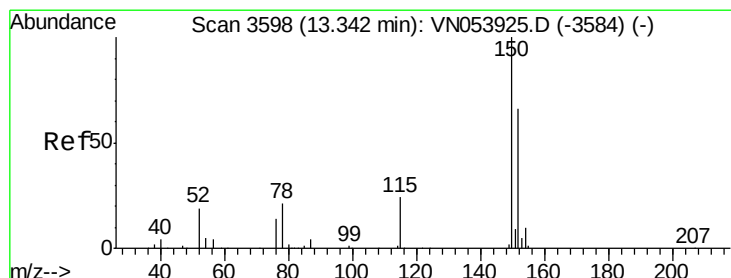
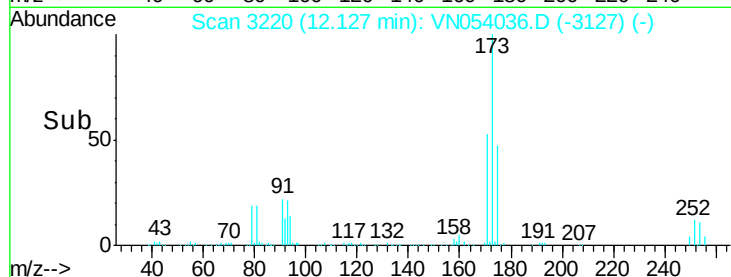
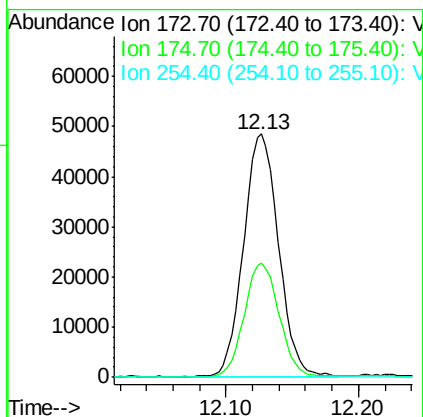
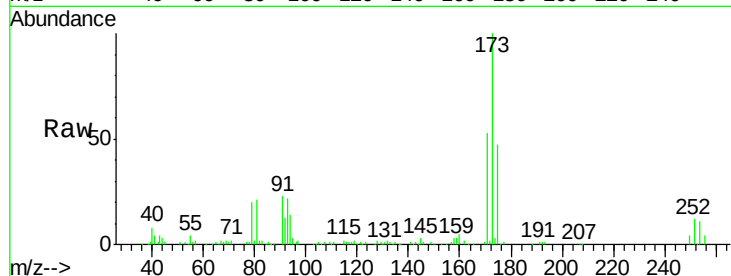
#71
Bromoform
Concen: 18.541 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.3	72.8
254	0.0	0.2	0.2

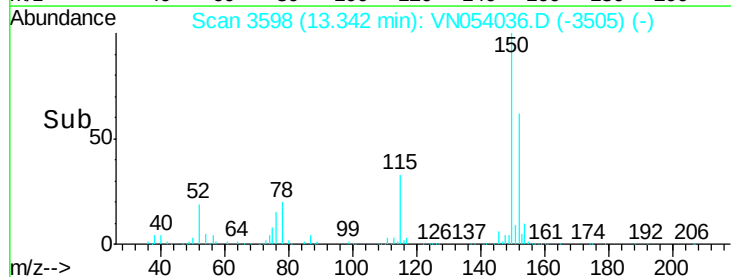
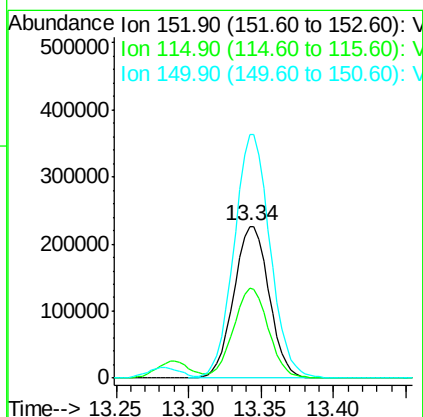
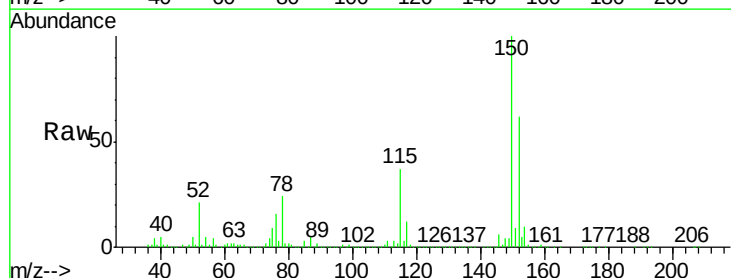
Manual Integrations
APPROVED

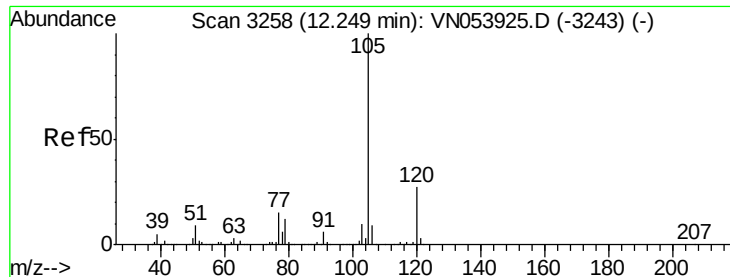
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	163.9	0.0	348.2





#73

Isopropylbenzene

Concen: 21.099 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:105 Resp: 626658

Ion Ratio Lower Upper

105 100

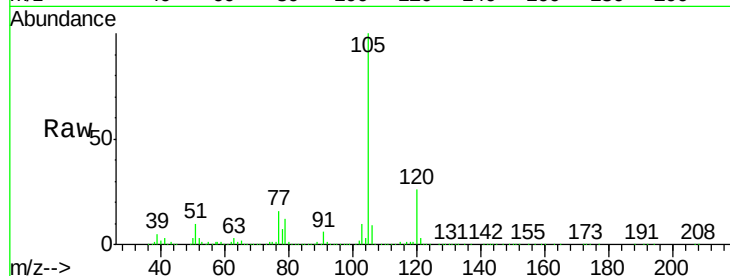
120 26.5 13.5 40.5

Manual Integrations

APPROVED

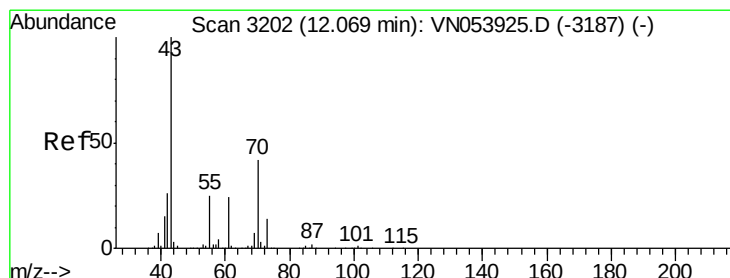
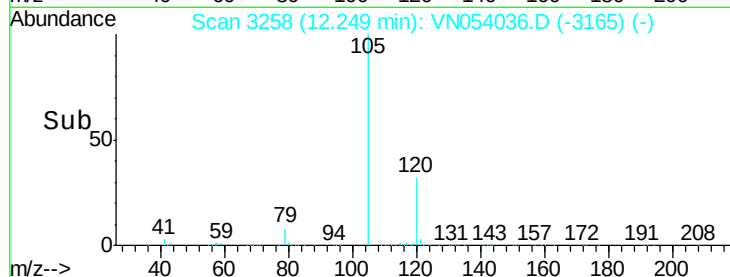
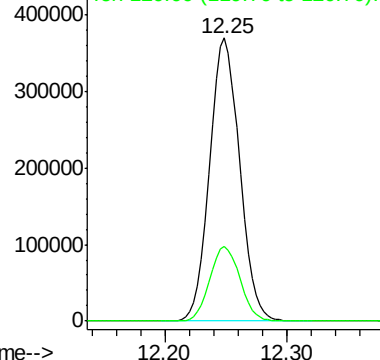
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.772 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion: 43 Resp: 169485

Ion Ratio Lower Upper

43 100

70 38.6 37.4 56.2

55 25.5 21.4 32.0

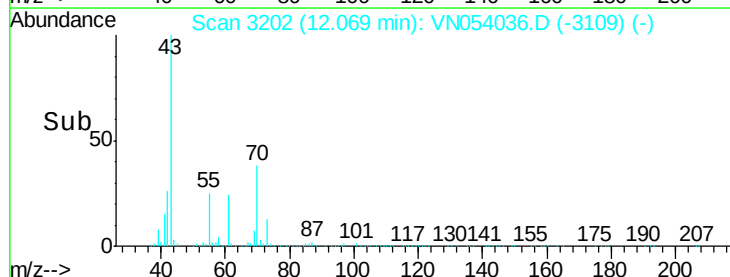
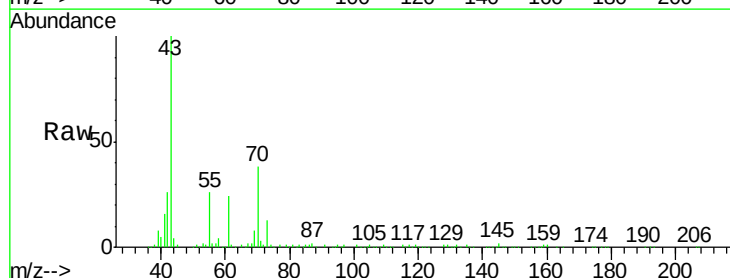
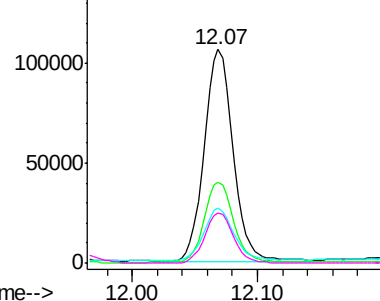
61 23.4 20.9 31.3

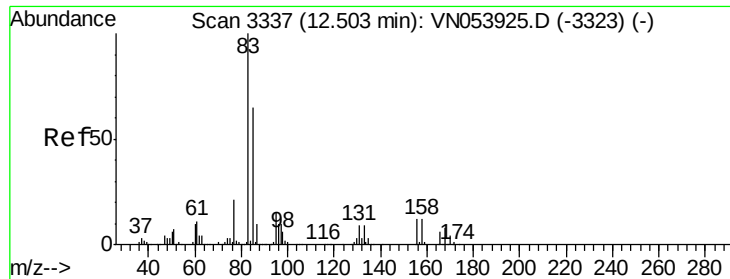
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.323 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

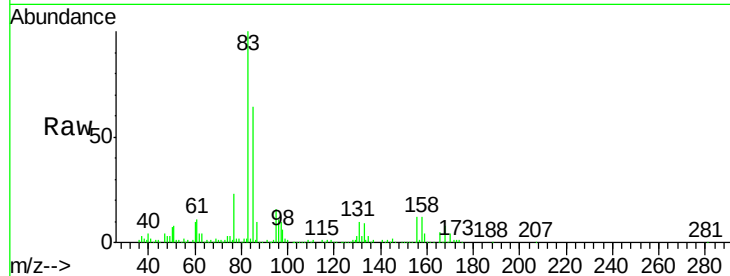
ClientSampleId :

VN0302WBSD01

Tot Ion:	83	Resp:	150946
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	64.3	31.9	95.9

Manual Integrations
APPROVED

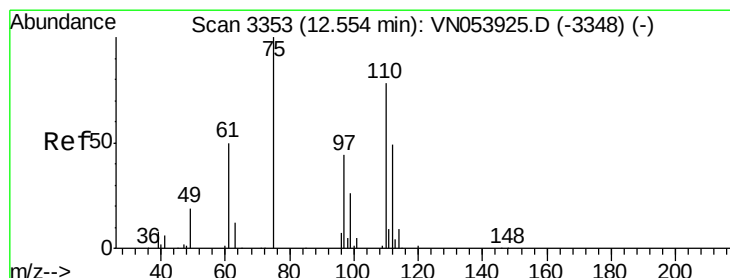
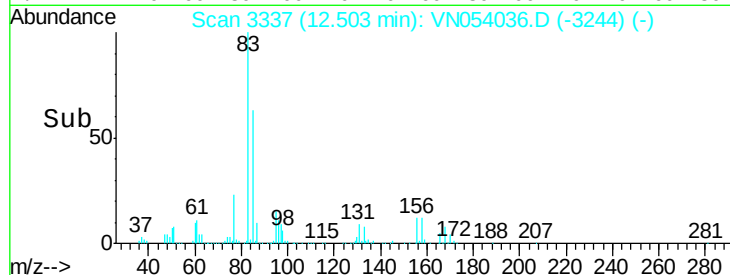
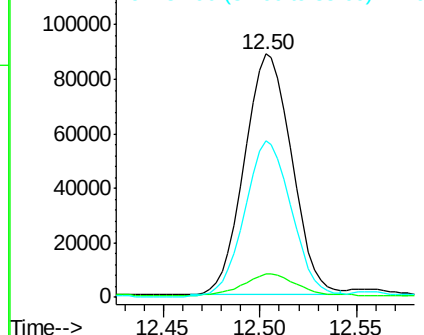
MMDadoda
3/4/2019 1:53:47 PM



Abundance Ion 82.90 (82.60 to 83.60): VN054036.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054036.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054036.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 20.632 ug/l m

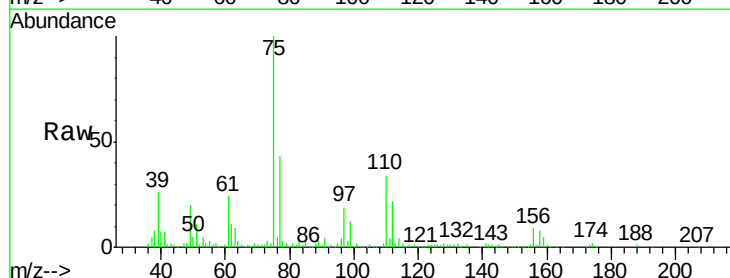
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054036.D

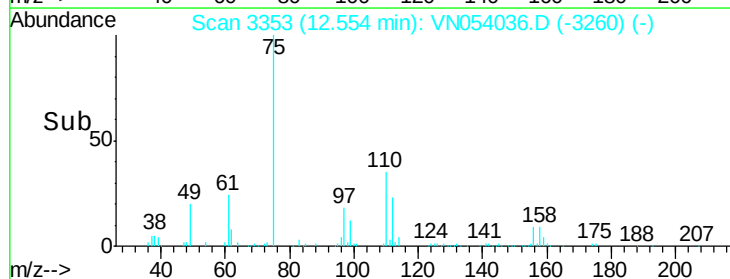
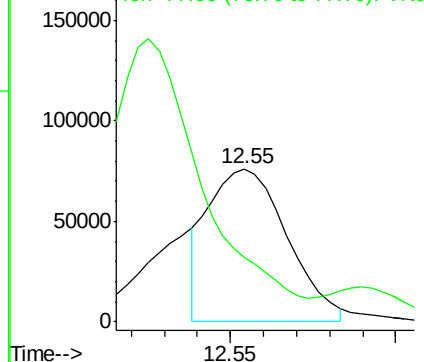
Acq: 1 Mar 2019 18:22

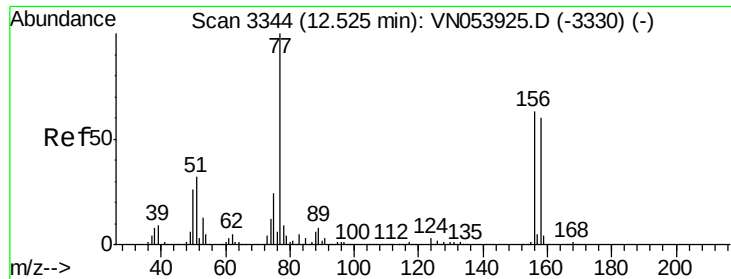
Tgt Ion:	75	Resp:	126284
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054036.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054036.D (-3260) (-)





#77

Bromobenzene

Concen: 20.283 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

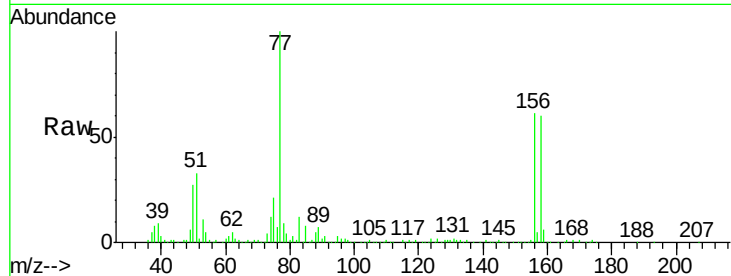
ClientSampleId :

VN0302WBSD01

Tot Ion:	156	Resp:	152949
Ion Ratio	Lower	Upper	
156	100		
77	186.8	84.0	252.2
158	97.2	48.5	145.6

Manual Integrations
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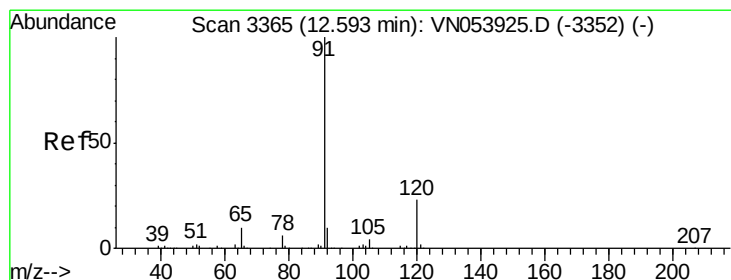
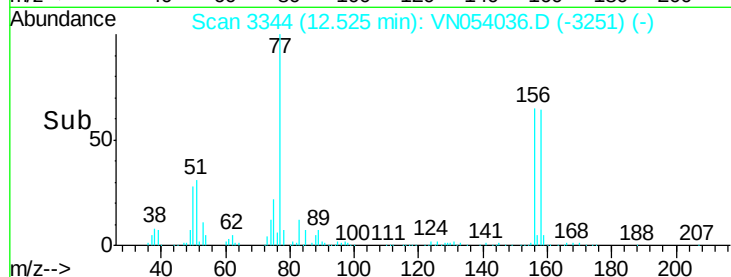
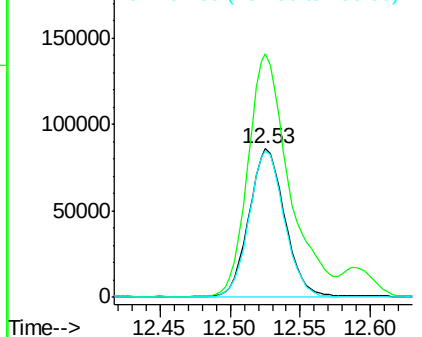
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.919 ug/l

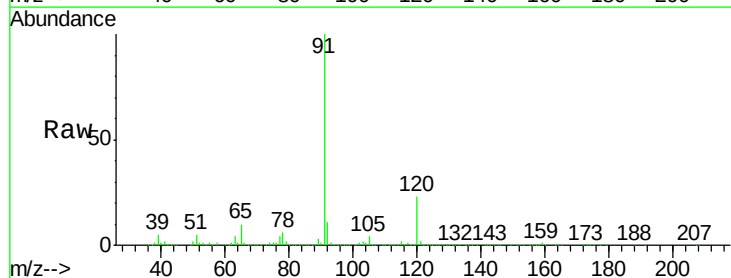
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054036.D

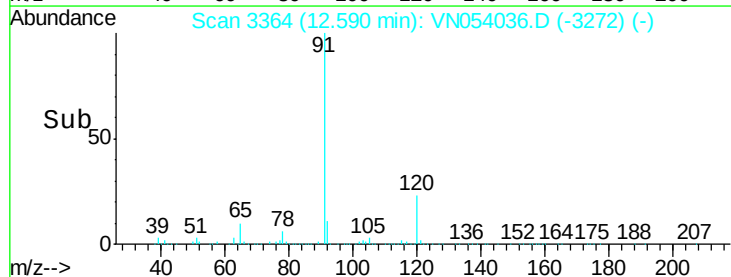
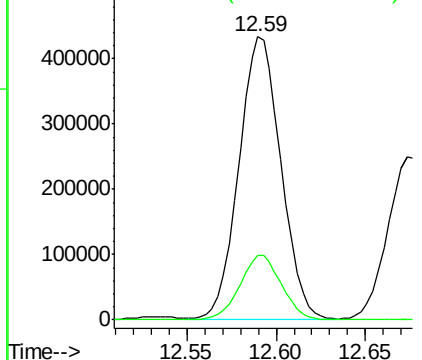
Acq: 1 Mar 2019 18:22

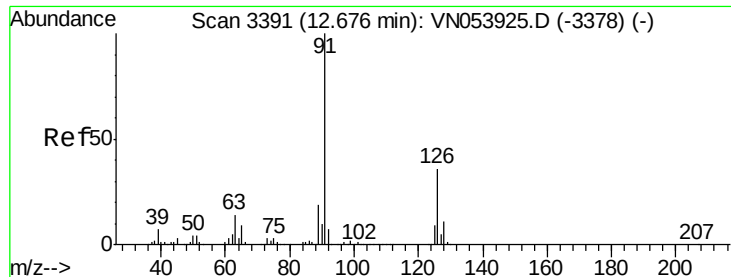
Tgt Ion:	91	Resp:	706602
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.726 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 91 Resp: 420561

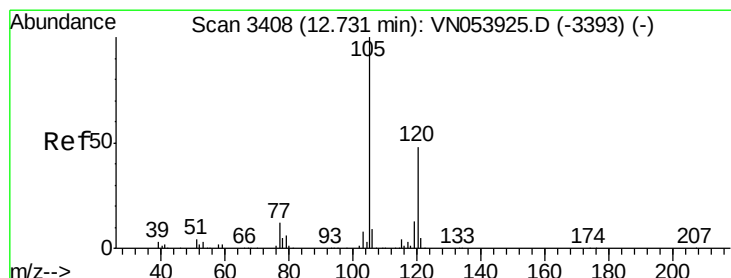
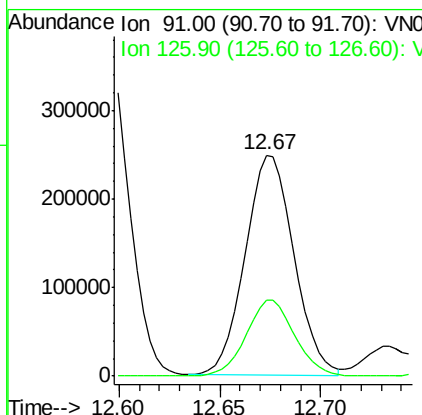
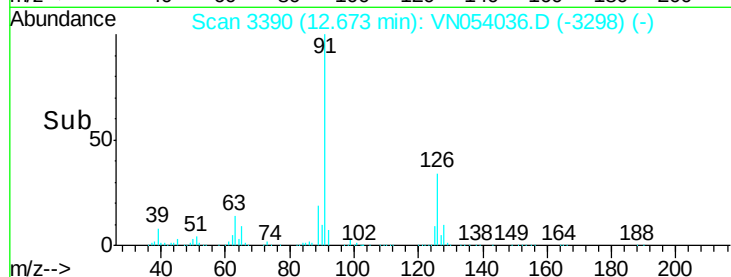
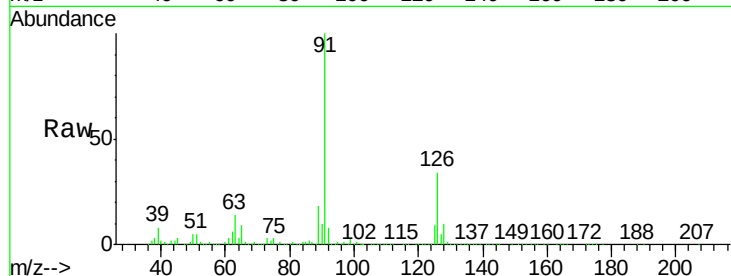
Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.233 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054036.D

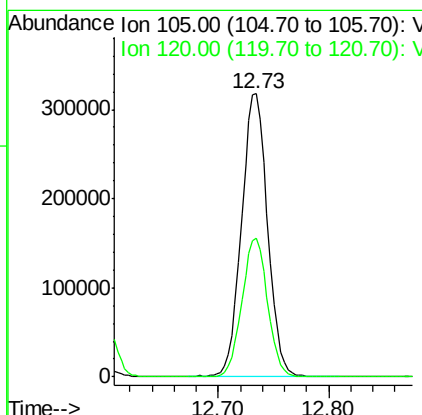
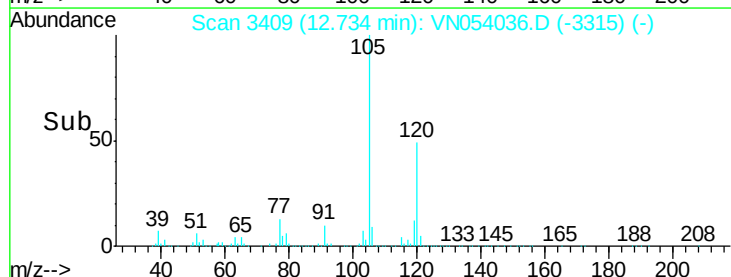
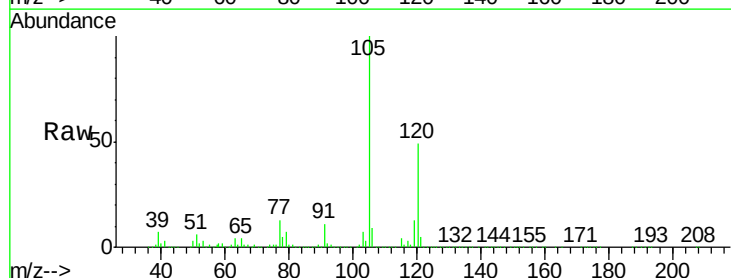
Acq: 1 Mar 2019 18:22

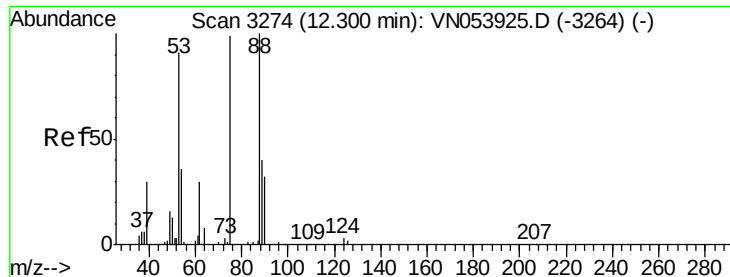
Tgt Ion: 105 Resp: 516274

Ion Ratio Lower Upper

105 100

120 48.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.044 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 75 Resp: 36879

Ion Ratio Lower Upper

75 100

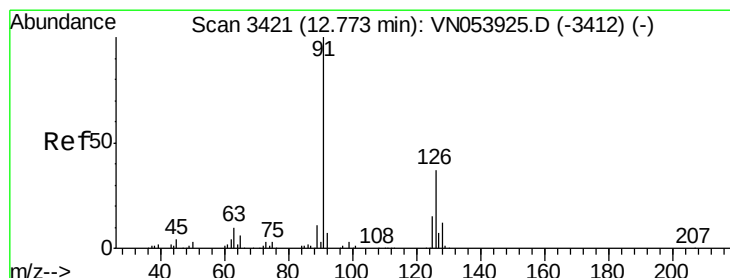
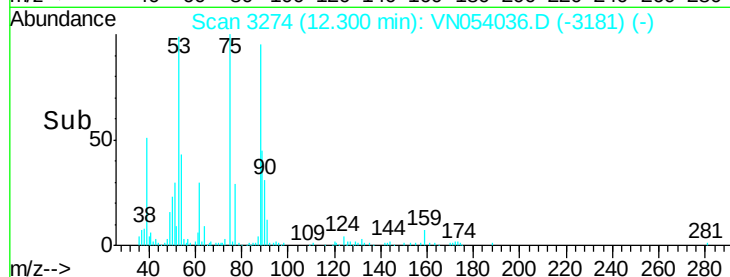
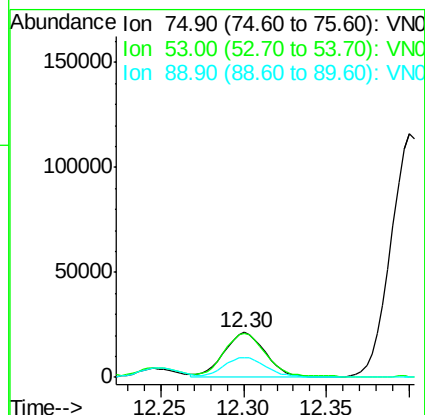
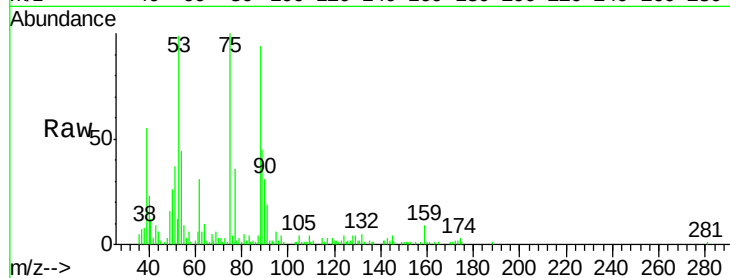
53 96.4 68.6 102.8

89 45.7 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054036.D

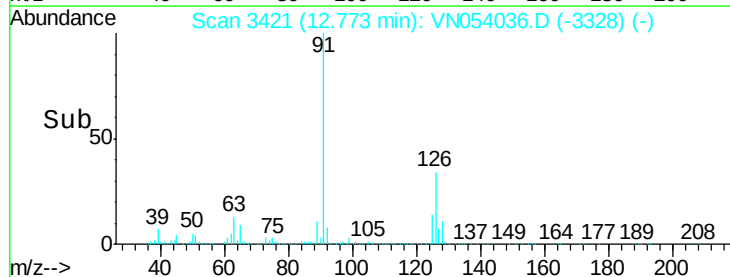
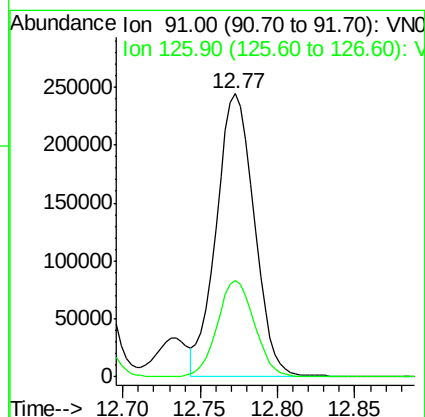
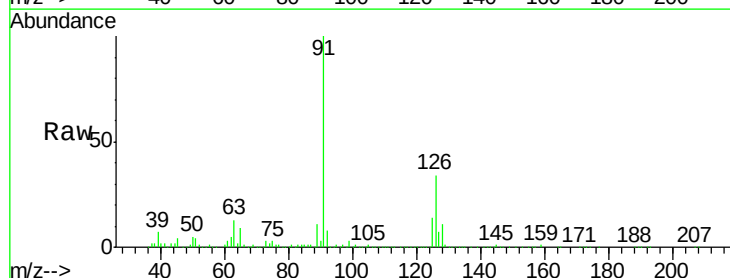
Acq: 1 Mar 2019 18:22

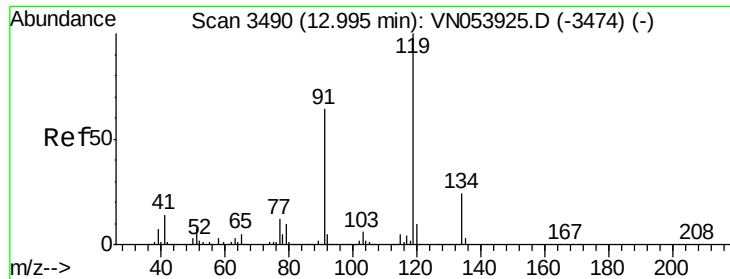
Tgt Ion: 91 Resp: 412575

Ion Ratio Lower Upper

91 100

126 33.4 18.0 54.0





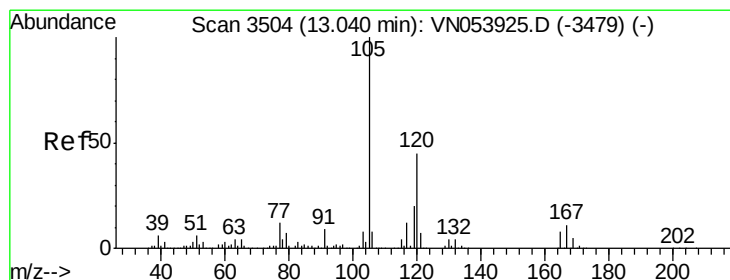
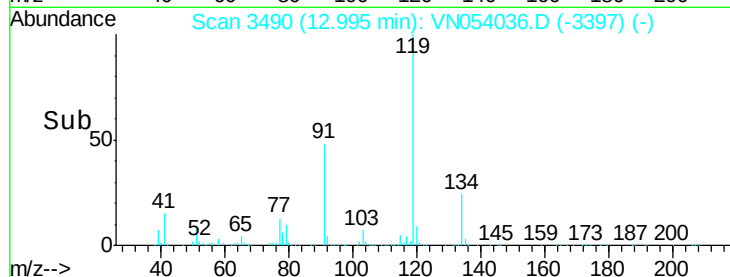
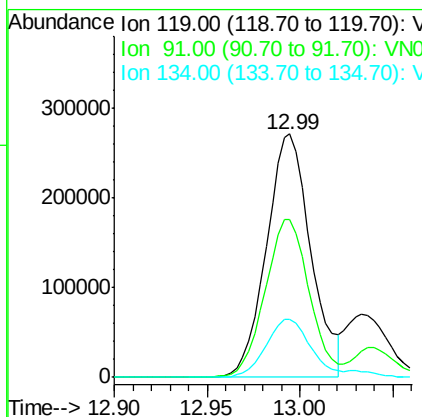
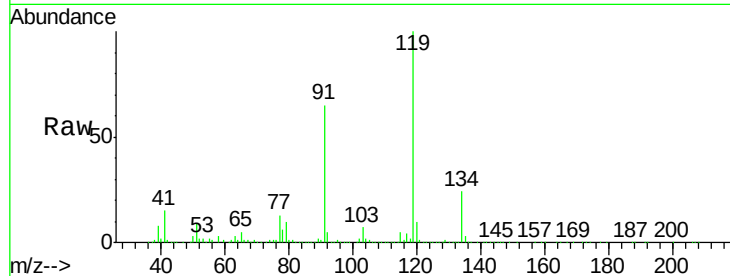
#83
 tert-Butylbenzene
 Concen: 21.054 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	30.6	91.8
134	24.2	13.0	39.0

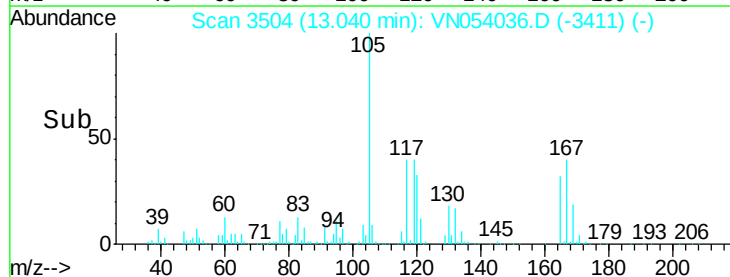
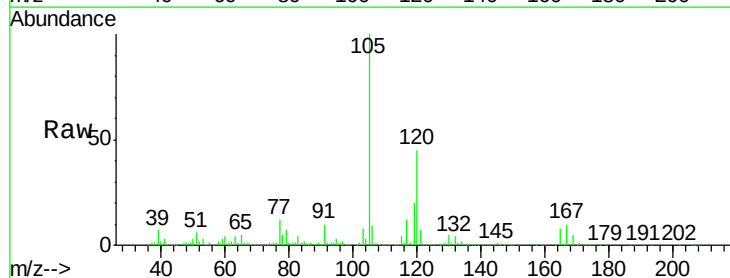
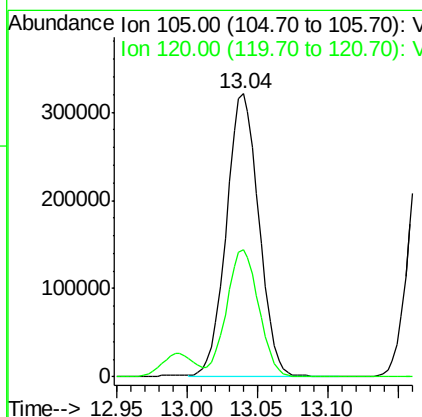
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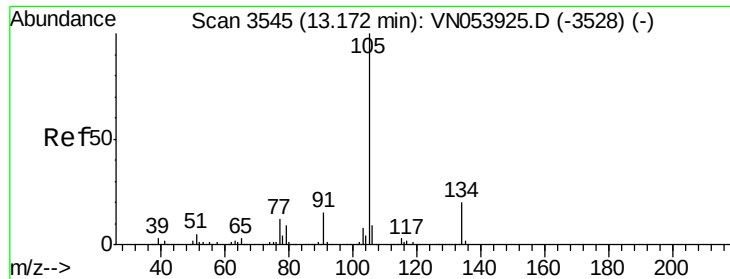
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.232 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.748 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:105 Resp: 609412

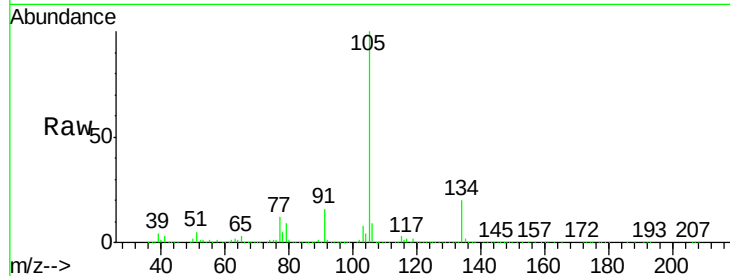
Ion Ratio Lower Upper

105 100

134 19.8 10.4 31.1

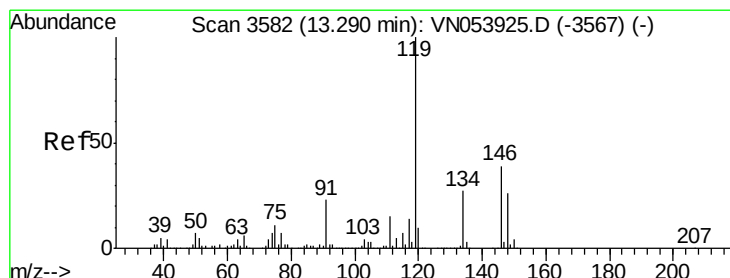
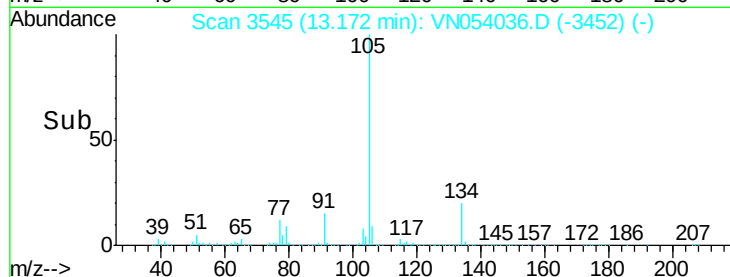
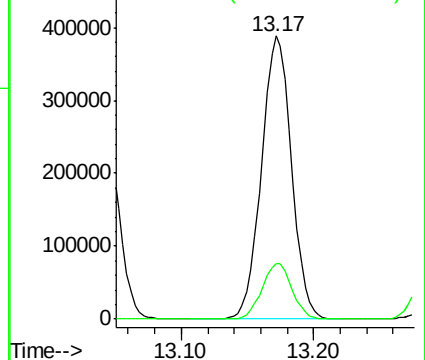
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.600 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

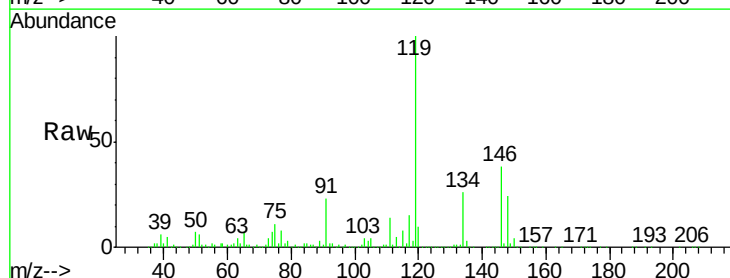
Tgt Ion:119 Resp: 511504

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

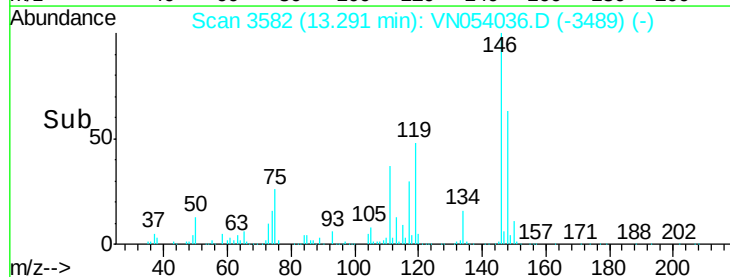
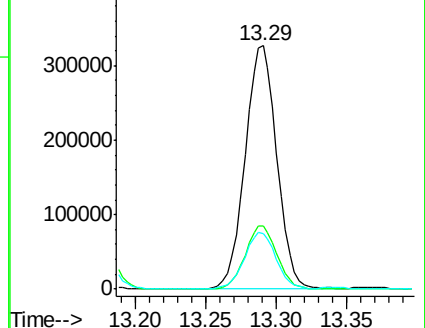
91 22.7 10.9 32.6

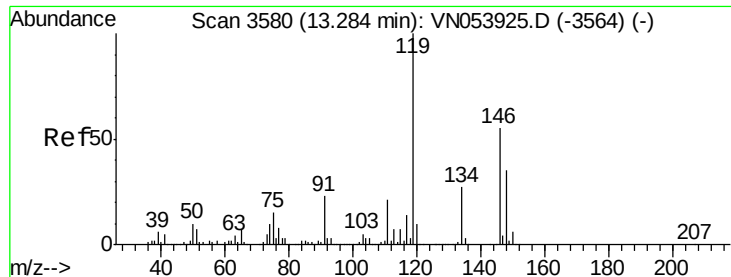


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





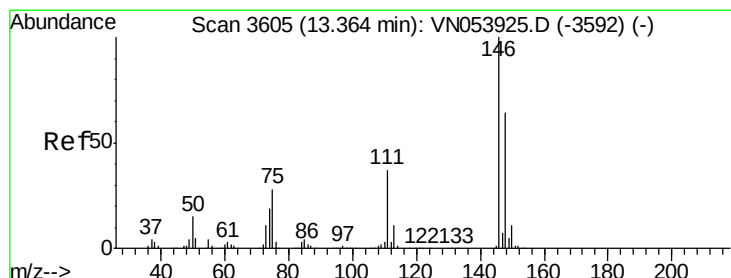
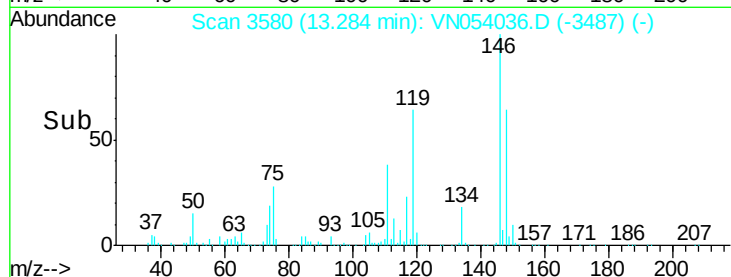
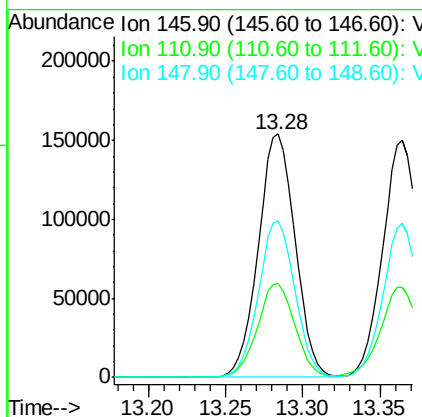
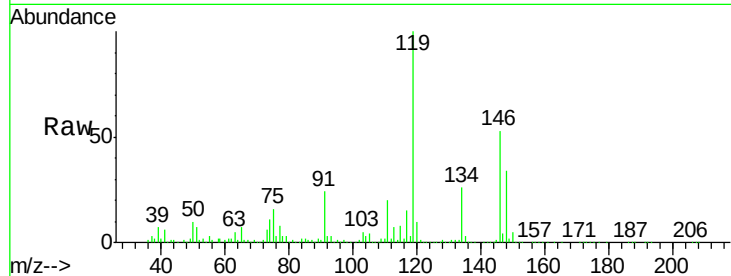
#87
 1,3-Dichlorobenzene
 Concen: 19.617 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255905		
111	38.5	18.7	56.1	
148	63.6	32.0	96.2	

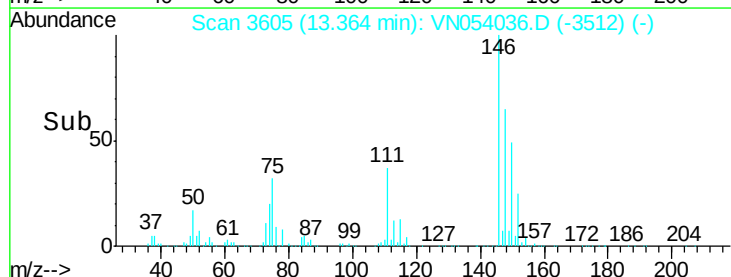
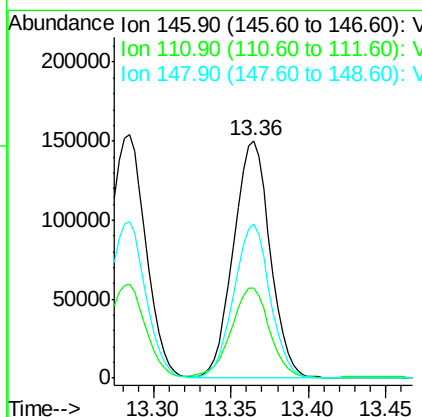
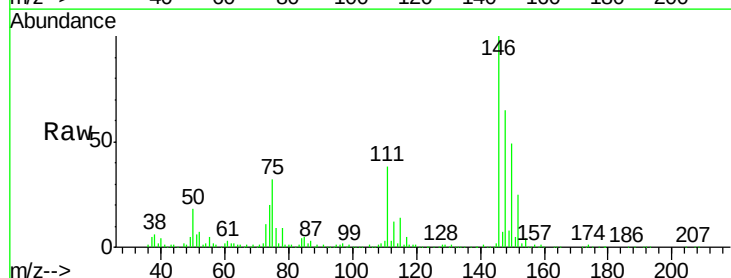
Manual Integrations
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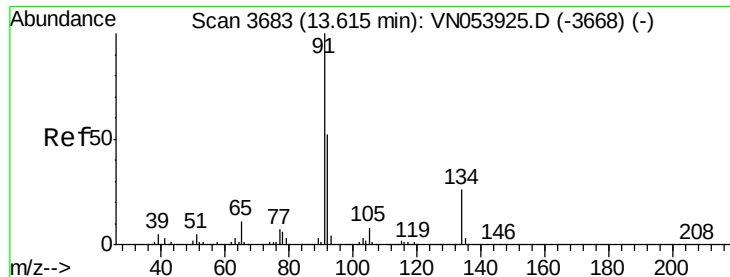
MMDadoda
 3/4/2019 1:53:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	246573		
111	39.2	18.0	54.0	
148	64.4	32.1	96.5	





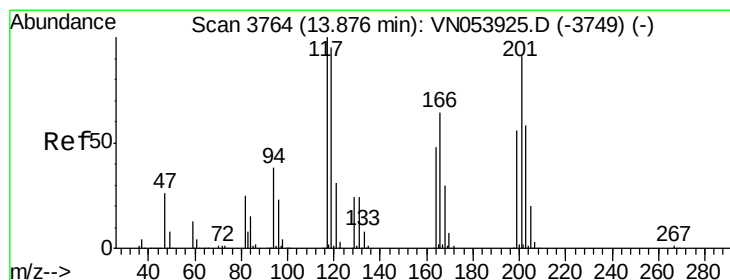
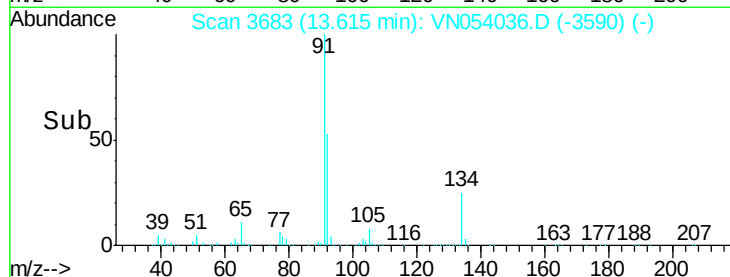
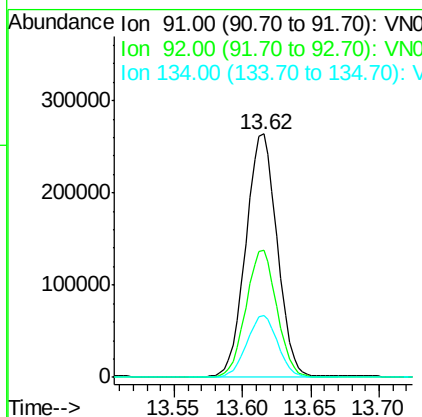
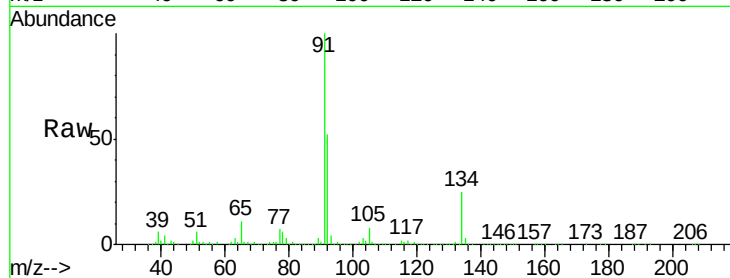
#89
n-Butylbenzene
Concen: 19.906 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.2	13.6	40.8

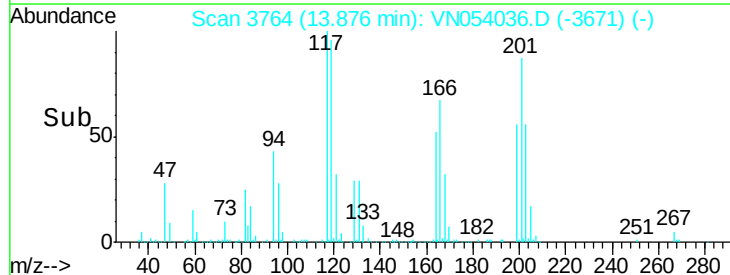
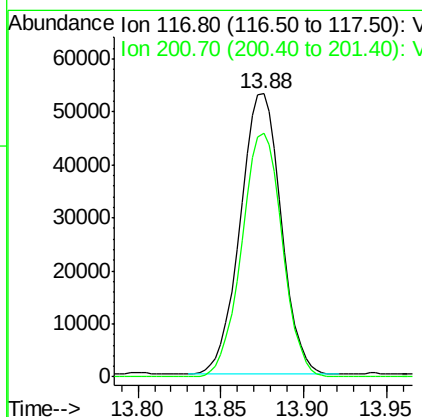
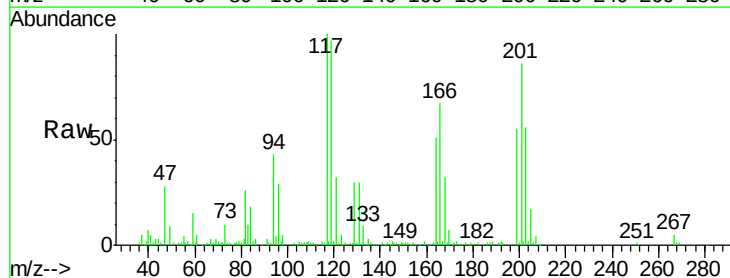
Manual Integrations
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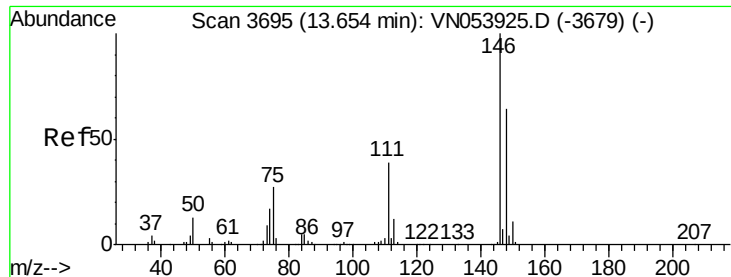
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#90
Hexachloroethane
Concen: 18.962 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	48.0	144.2





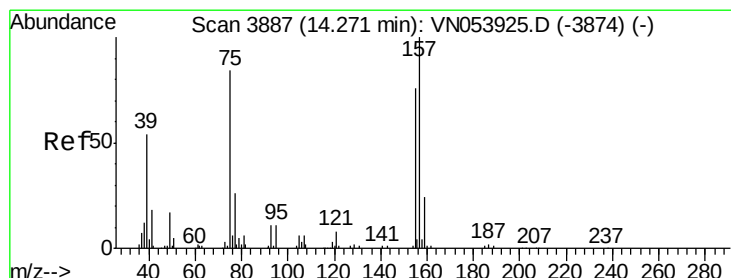
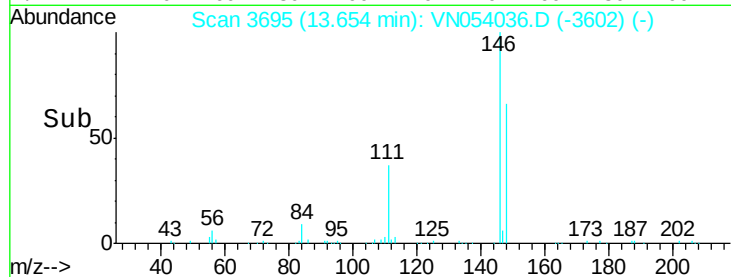
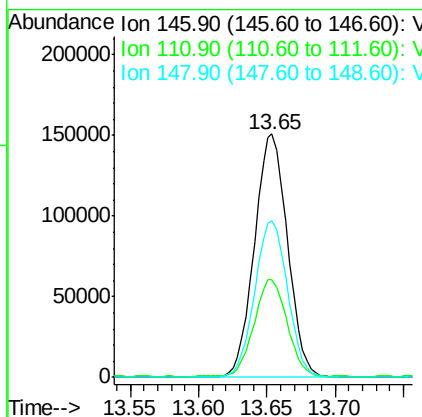
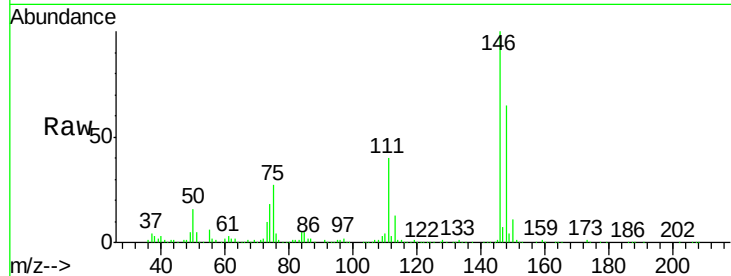
#91
 1,2-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.5
148	64.3	32.1	96.5

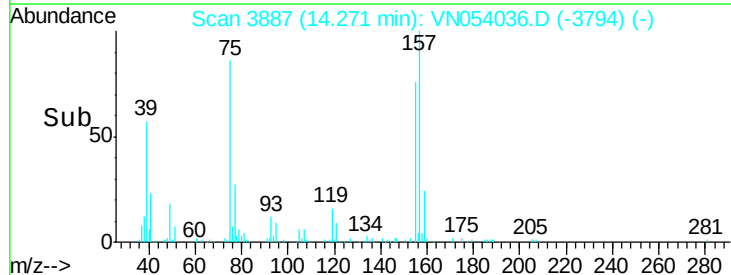
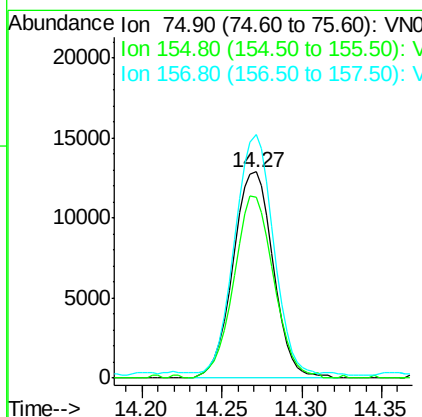
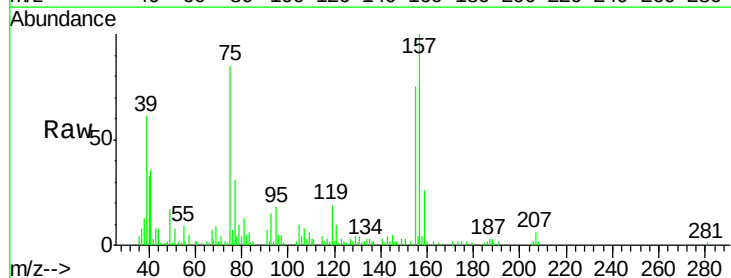
Manual Integrations
 APPROVED

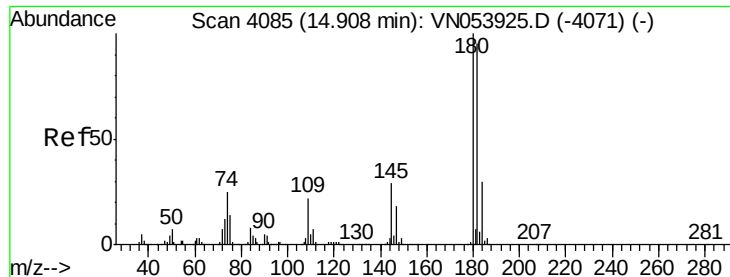
MMDadoda
 3/4/2019 1:53:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.934 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	49.5	148.5
157	110.4	64.8	194.6





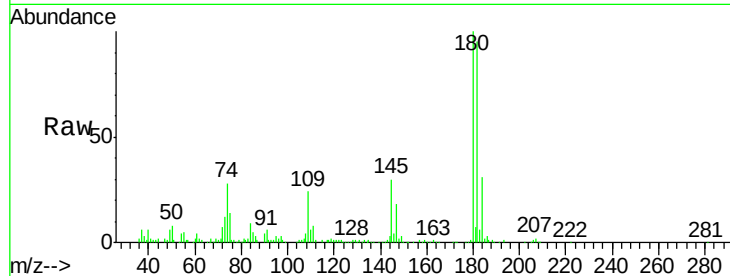
#93
 1,2,4-Trichlorobenzene
 Concen: 18.216 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

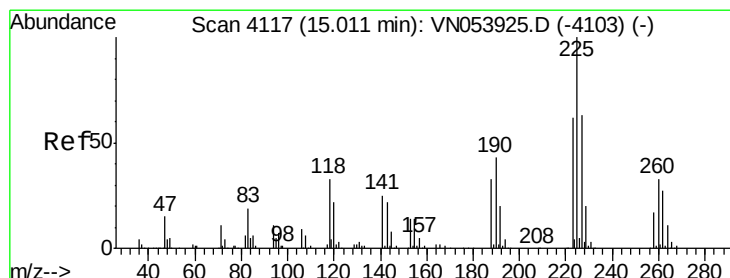
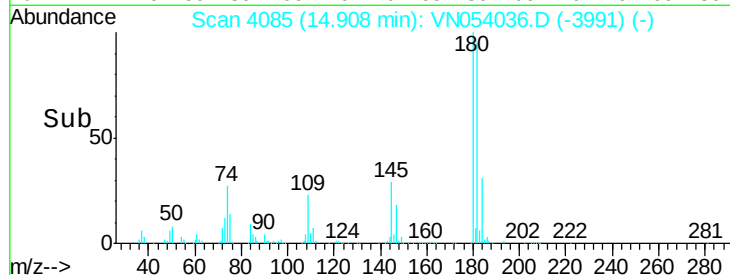
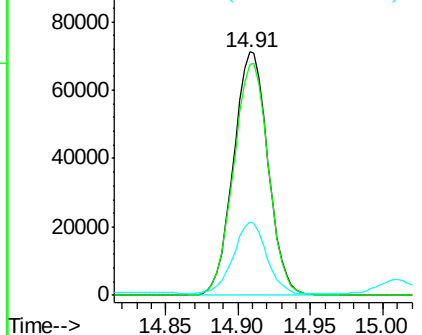
Tot Ion	Ratio	Resp	Lower	Upper
180	100	117382		
182	96.3	48.6	145.9	
145	28.5	13.8	41.3	

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:53:47 PM

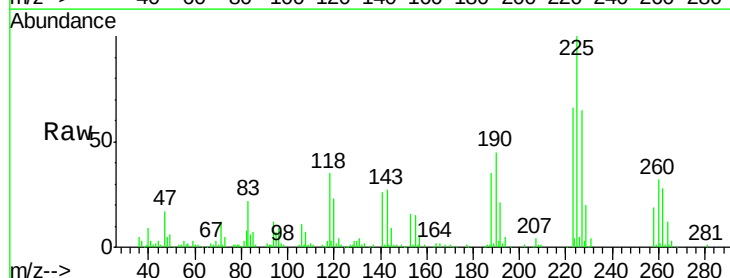


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

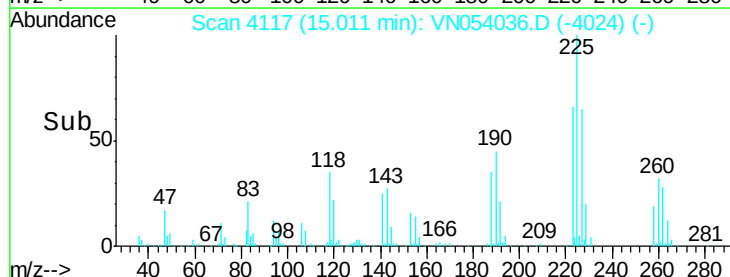
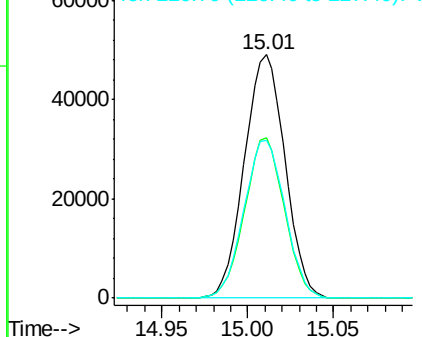


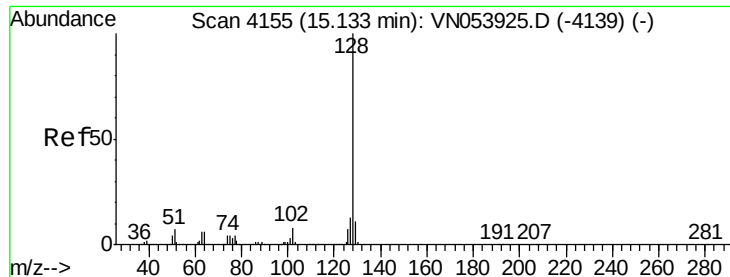
#94
 Hexachlorobutadiene
 Concen: 17.681 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80651		
223	64.4	30.9	92.5	
227	65.5	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.950 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

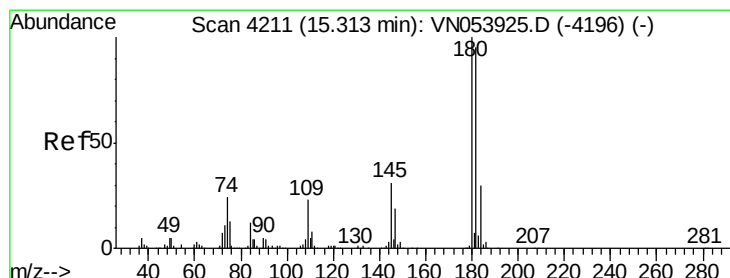
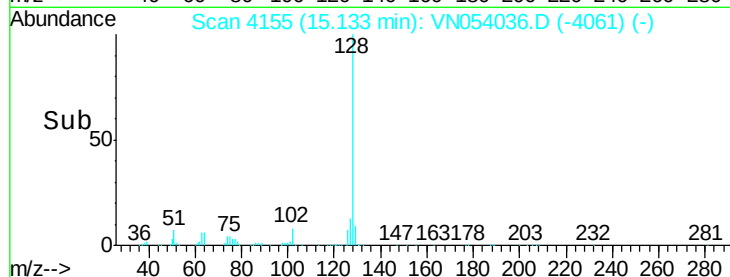
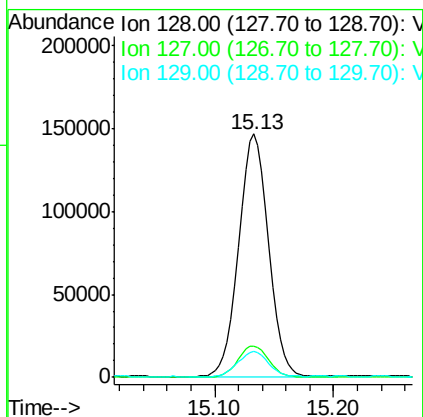
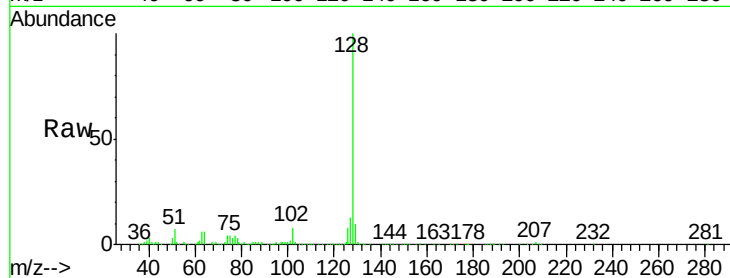
ClientSampleId :

VN0302WBSD01

Tot Ion:	128	Resp:	254084
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:53:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.796 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion:	180	Resp:	119689
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.8
145	30.1	14.4	43.0

