

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054826.D
 Acq On : 31 Mar 2019 2:37
 Operator : JC/SP
 Sample : VN0330WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:31:47 PM

Quant Time: Mar 31 05:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	396781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	694541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	301962	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	7.59	113	238532	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.09	98	850869	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	271145	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78680	19.604	ug/l	96
3) Chloromethane	2.07	50	115263	20.770	ug/l	98
4) Vinyl Chloride	2.19	62	105441	21.158	ug/l	100
5) Bromomethane	2.57	94	53028	18.898	ug/l	97
6) Chloroethane	2.71	64	59563	21.405	ug/l	100
7) Trichlorofluoromethane	3.02	101	135234	22.073	ug/l	99
8) Diethyl Ether	3.41	74	44116	22.362	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	3.75	101	64723	20.067	ug/l	94
10) Methyl Iodide	3.94	142	75422	17.082	ug/l #	86
11) Tert butyl alcohol	4.83	59	40636	145.817	ug/l	99
12) 1,1-Dichloroethene	3.73	96	70557	22.622	ug/l #	76
13) Acrolein	3.61	56	35186	141.234	ug/l	95
14) Allyl chloride	4.31	41	157553	20.508	ug/l #	89
15) Acrylonitrile	5.00	53	195634	126.299	ug/l	99
16) Acetone	3.82	43	144788	113.516	ug/l #	80
17) Carbon Disulfide	4.04	76	188025	18.587	ug/l	99
18) Methyl Acetate	4.33	43	90374	26.776	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	259938	23.826	ug/l	97
20) Methylene Chloride	4.55	84	97574	21.687	ug/l #	79
21) trans-1,2-Dichloroethene	5.04	96	90803	22.165	ug/l	88
22) Diisopropyl ether	5.96	45	353733	23.280	ug/l #	93
23) Vinyl Acetate	5.90	43	1264325	119.571	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183597	22.652	ug/l	98
25) 2-Butanone	6.85	43	249683	132.429	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	65497	11.529	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	104815	22.648	ug/l	92
28) Bromochloromethane	7.19	49	99929	24.656	ug/l #	70
29) Tetrahydrofuran	7.23	42	174512	133.266	ug/l #	82
30) Chloroform	7.37	83	178637	23.113	ug/l	100
31) Cyclohexane	7.65	56	165005	21.153	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	146111	22.812	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129485	20.008	ug/l	95
37) Ethyl Acetate	6.94	43	111502	23.494	ug/l	94
38) Carbon Tetrachloride	7.77	117	125169	19.913	ug/l	97

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Quant Time: Mar 31 05:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127832	17.967	ug/l	90
40) Benzene	8.04	78	392880	21.216	ug/l	99
41) Methacrylonitrile	7.18	41	60279	22.610	ug/l	88
42) 1,2-Dichloroethane	8.13	62	146312	22.128	ug/l	99
43) Isopropyl Acetate	8.17	43	183972	23.857	ug/l #	94
44) Trichloroethene	8.84	130	100719	20.952	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110036	20.839	ug/l	100
46) Dibromomethane	9.21	93	64232	21.624	ug/l	89
47) Bromodichloromethane	9.40	83	135327	21.921	ug/l	97
48) Methyl methacrylate	9.20	41	90996	21.768	ug/l	88
49) 1,4-Dioxane	9.21	88	20955	505.223	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	534563	123.297	ug/l	92
52) Toluene	10.16	92	230583	20.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	107276	18.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	132782	19.142	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89794	21.915	ug/l	95
56) Ethyl methacrylate	10.43	69	120105	22.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	155867	22.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224586	103.340	ug/l #	88
59) 2-Hexanone	10.75	43	327251	117.909	ug/l	91
60) Dibromochloromethane	10.90	129	88841	21.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86503	22.092	ug/l	98
64) Tetrachloroethene	10.63	164	97888	21.723	ug/l	97
65) Chlorobenzene	11.44	112	241405	20.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91979	21.374	ug/l	99
67) Ethyl Benzene	11.51	91	428711	20.664	ug/l	97
68) m/p-Xylenes	11.62	106	313159	40.788	ug/l	95
69) o-Xylene	11.95	106	152832	20.300	ug/l	93
70) Styrene	11.97	104	251762	20.914	ug/l	96
71) Bromoform	12.13	173	54533	21.631	ug/l #	98
73) Isopropylbenzene	12.25	105	405837	21.029	ug/l	98
74) N-amyl acetate	12.07	43	136218	22.656	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	111769	25.430	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	94712m	23.090	ug/l	
77) Bromobenzene	12.53	156	98586	21.166	ug/l	85
78) n-propylbenzene	12.59	91	439420	20.716	ug/l	95
79) 2-Chlorotoluene	12.68	91	277681	21.160	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	323519	20.430	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18171	17.231	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259451	20.355	ug/l	94
83) tert-Butylbenzene	12.99	119	283166	21.906	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	316568	20.984	ug/l	98
85) sec-Butylbenzene	13.17	105	348848	20.279	ug/l	96
86) p-Isopropyltoluene	13.29	119	296566	19.547	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	158741	20.356	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	151734	19.839	ug/l	96
89) n-Butylbenzene	13.62	91	223164	18.028	ug/l	97
90) Hexachloroethane	13.88	117	49686	19.288	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	161747	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15705	23.805	ug/l	85

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66943	17.643	ug/l	98
94) Hexachlorobutadiene	15.01	225	41795	17.221	ug/l	97
95) Naphthalene	15.13	128	164821	19.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	70681	18.446	ug/l	99

(#) = 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: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion:168 Resp: 396781

Ion Ratio Lower Upper

168 100

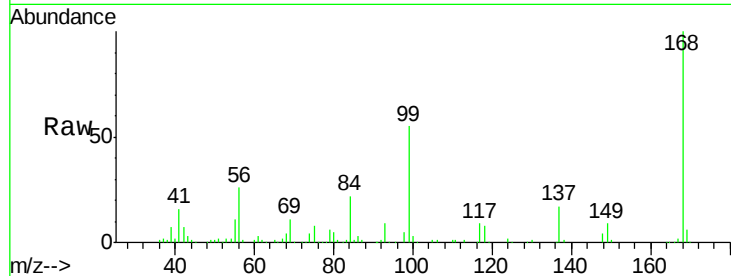
99 54.2 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

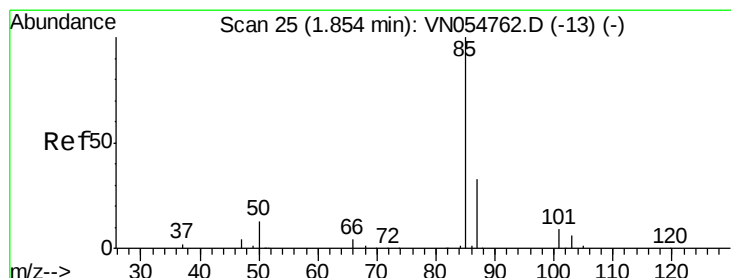
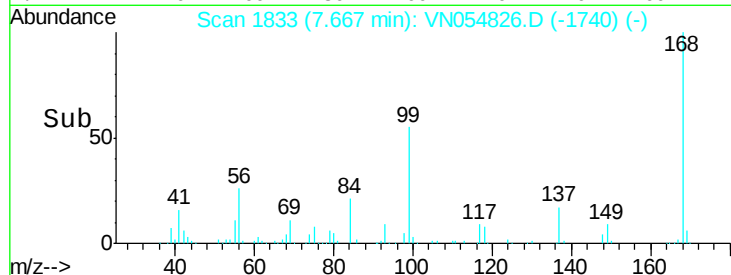
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 19.604 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054826.D

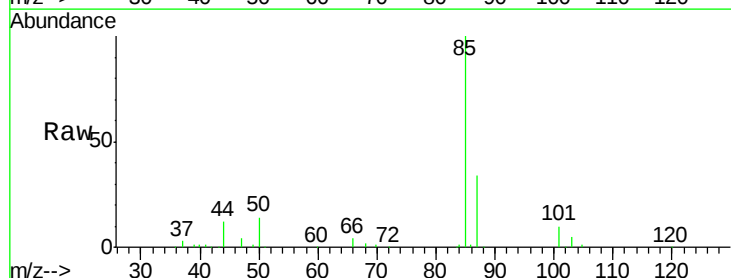
Acq: 31 Mar 2019 2:37

Tgt Ion: 85 Resp: 78680

Ion Ratio Lower Upper

85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

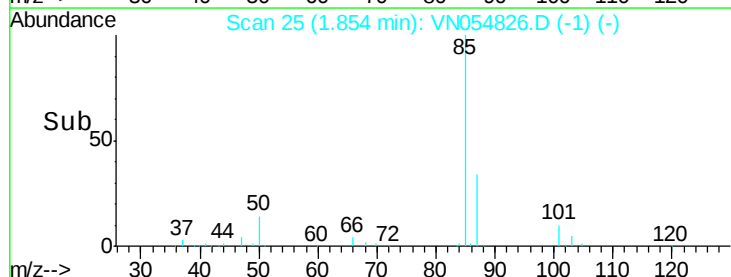
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20000

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Time-->





#3

Chloromethane

Concen: 20.770 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 50 Resp: 115263

Ion Ratio Lower Upper

50 100

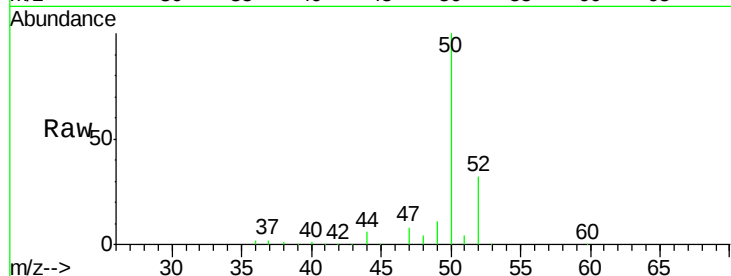
52 32.0 26.4 39.6

Manual Integrations

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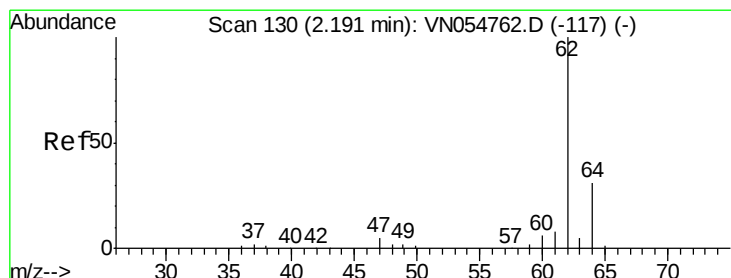
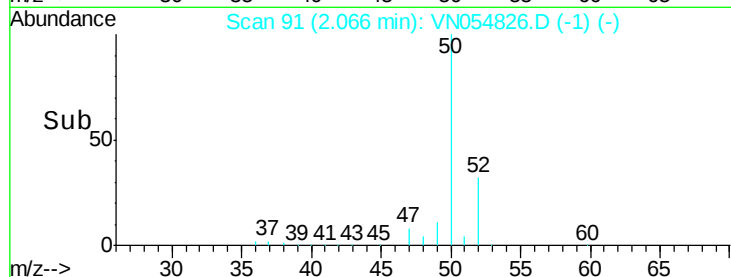
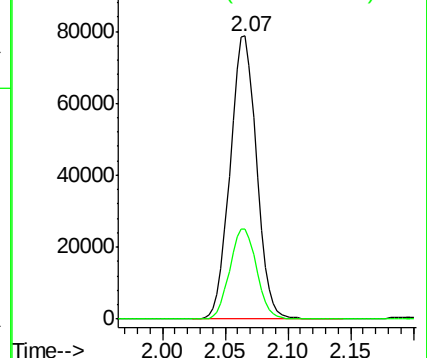
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.158 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054826.D

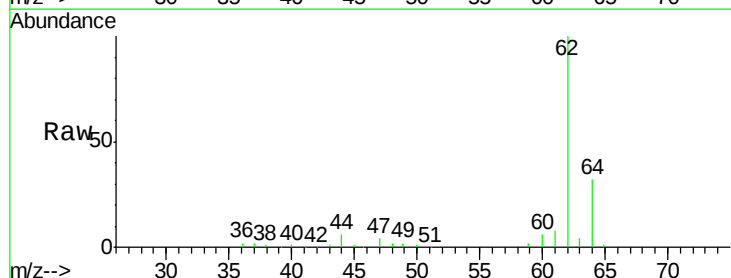
Acq: 31 Mar 2019 2:37

Tgt Ion: 62 Resp: 105441

Ion Ratio Lower Upper

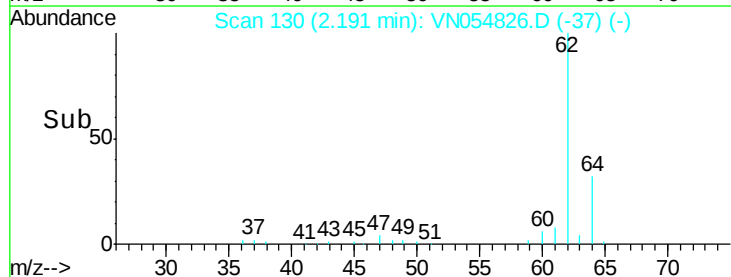
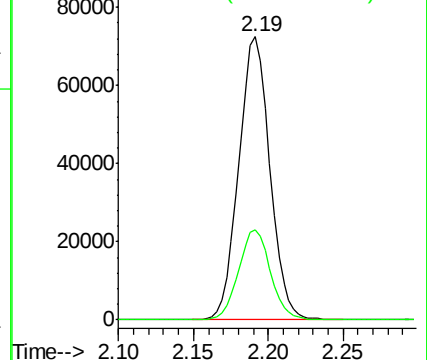
62 100

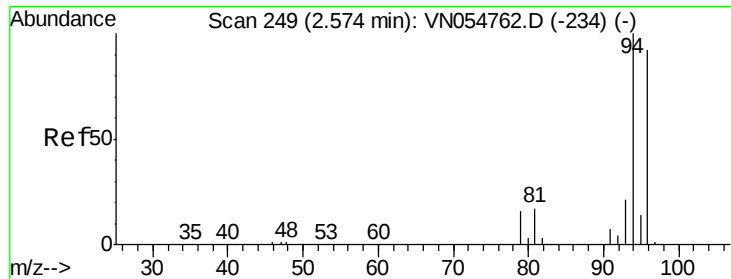
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.898 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 94 Resp: 53028

Ion Ratio Lower Upper

94 100

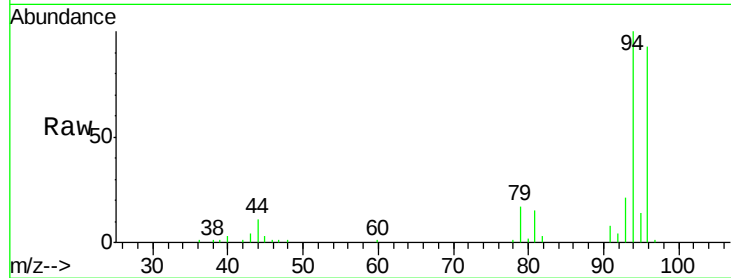
96 93.0 77.0 115.4

Manual Integrations

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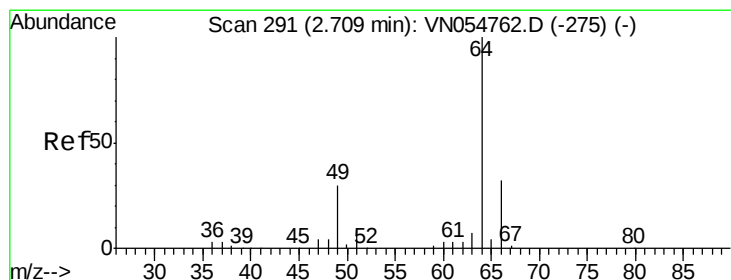
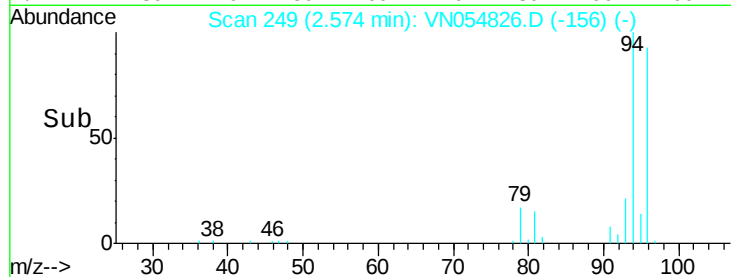
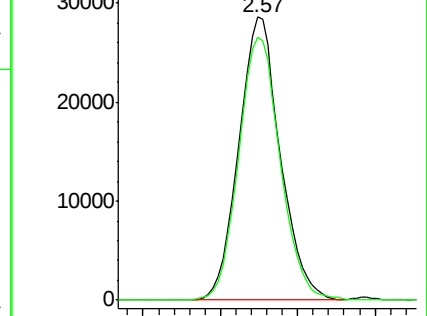
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.405 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054826.D

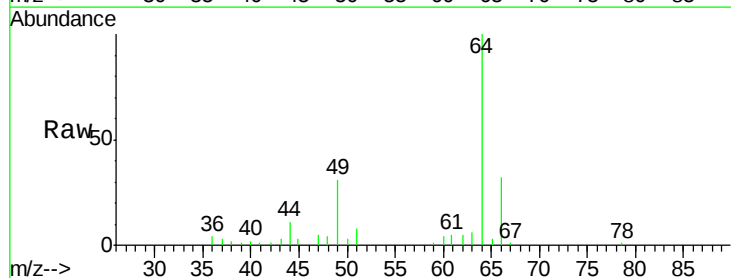
Acq: 31 Mar 2019 2:37

Tgt Ion: 64 Resp: 59563

Ion Ratio Lower Upper

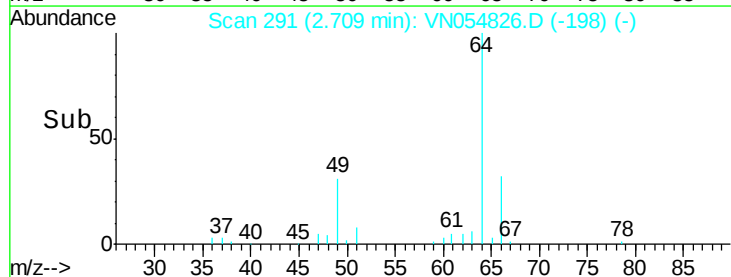
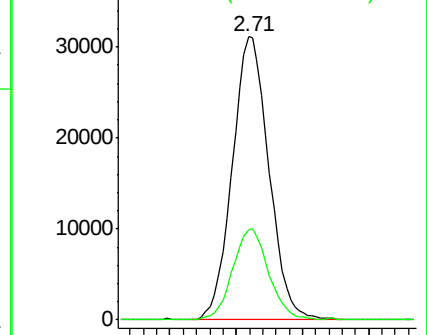
64 100

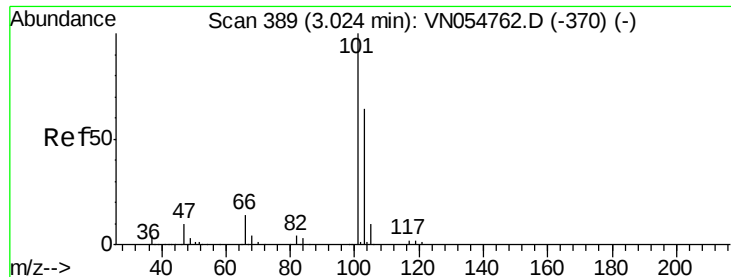
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

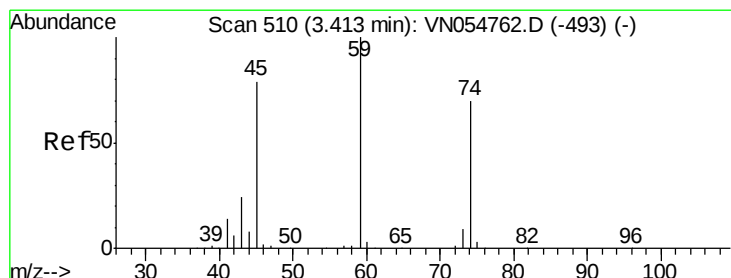
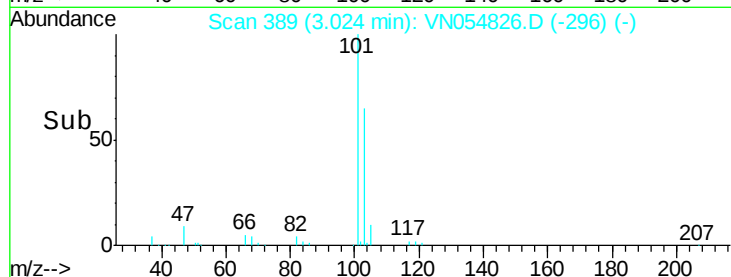
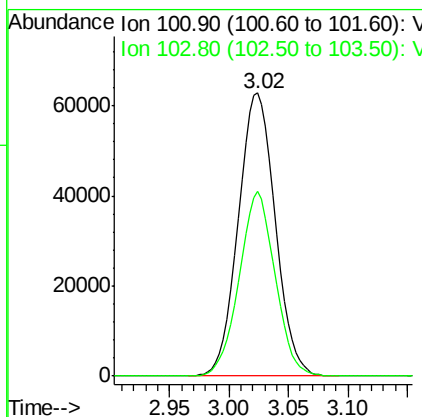
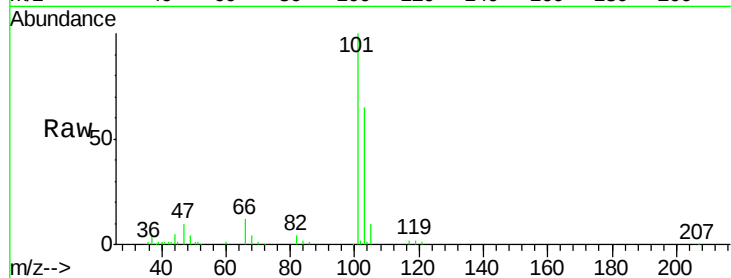
Trichlorofluoromethane
 Concen: 22.073 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
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 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

Manual Integrations
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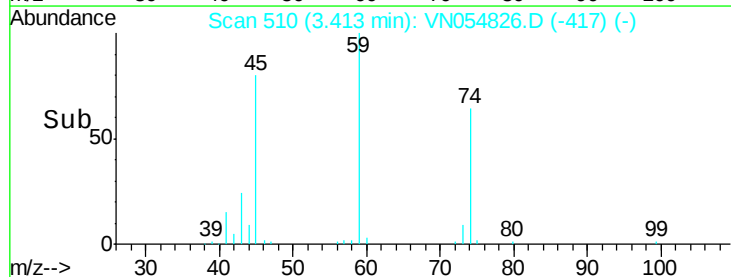
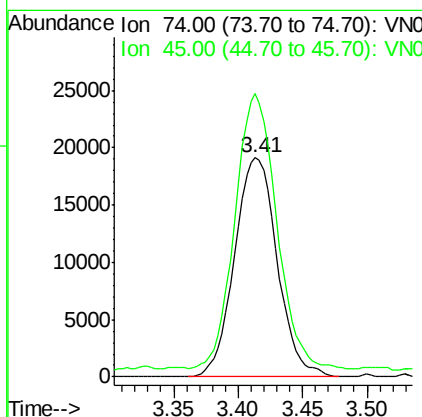
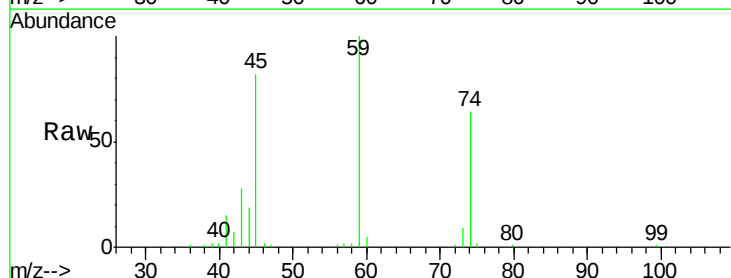
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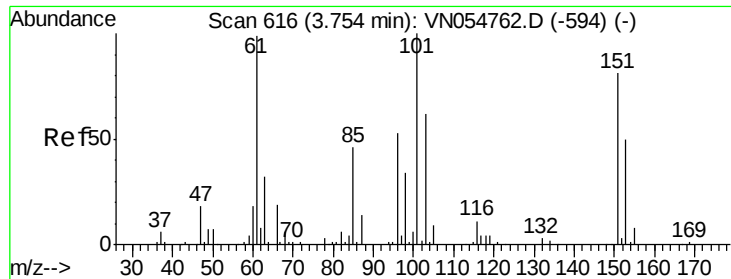


#8

Diethyl Ether
 Concen: 22.362 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.0	43.1	129.4





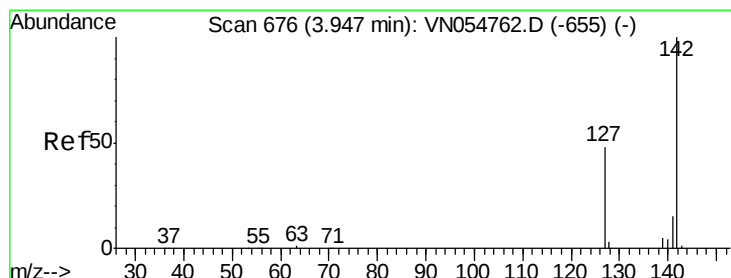
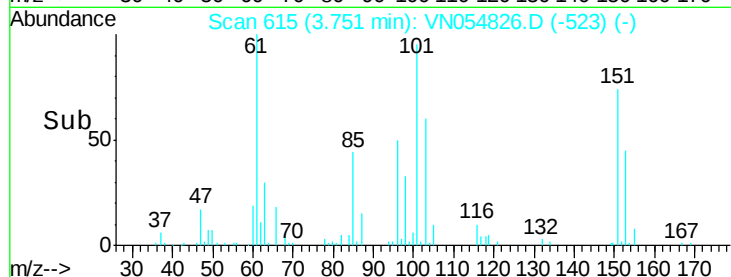
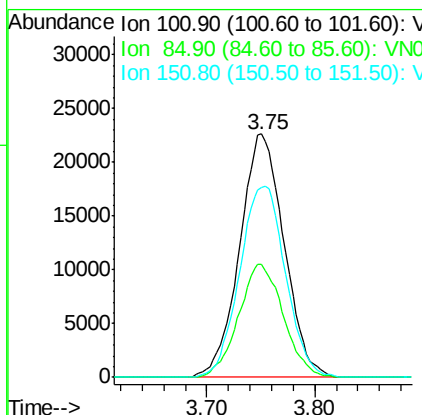
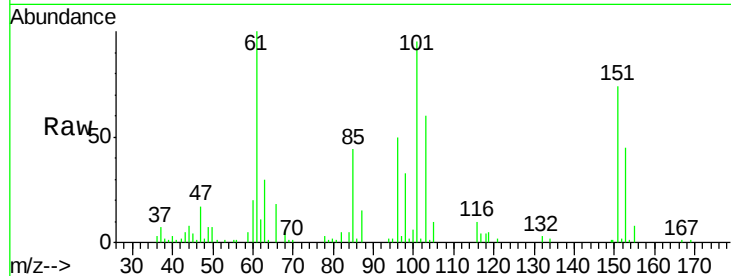
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.067 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	32.4	48.6
151	81.2	68.2	102.2

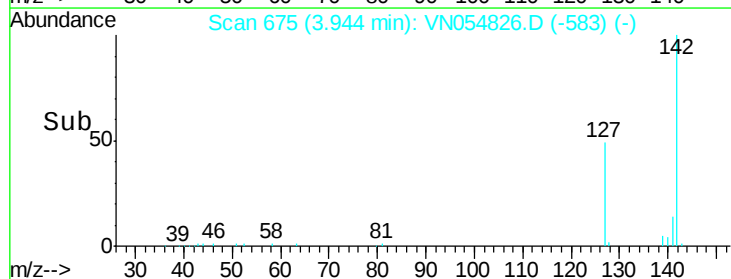
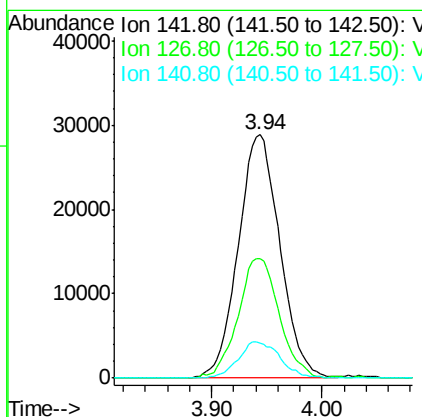
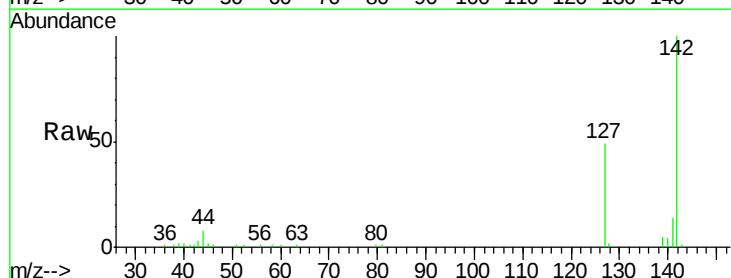
Manual Integrations
 APPROVED

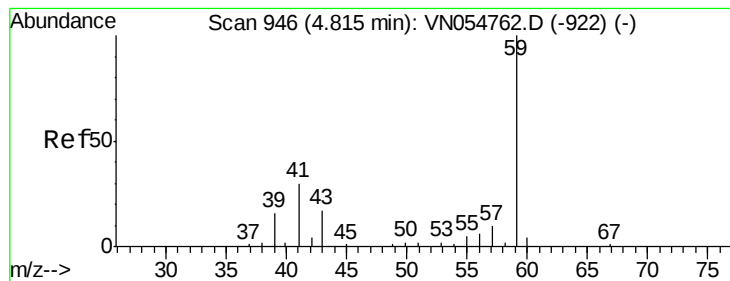
MMDadoda
 4/1/2019 1:31:47 PM



#10
 Methyl Iodide
 Concen: 17.082 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.6	30.3	45.5#
141	15.0	11.2	16.8





#11

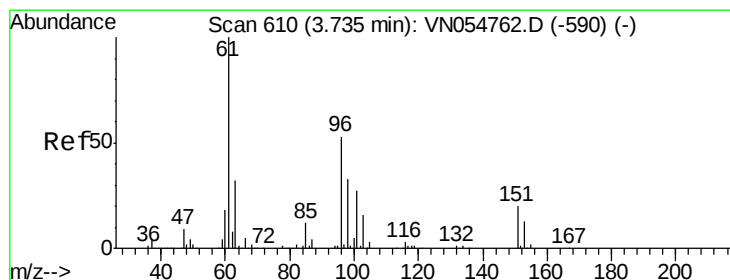
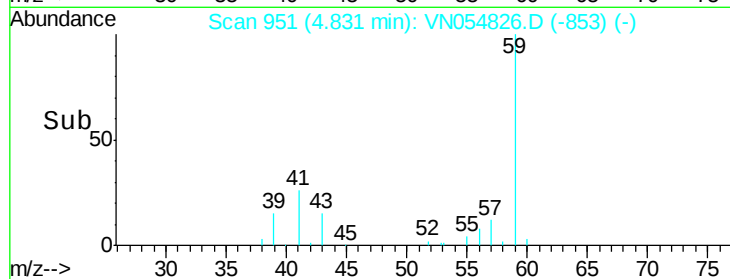
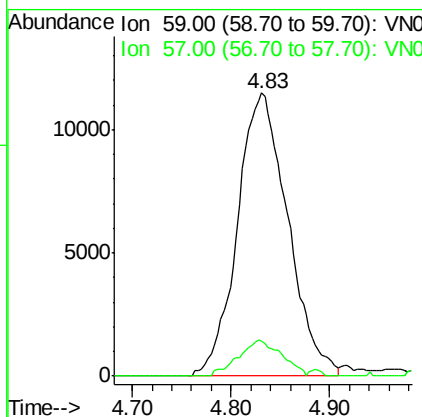
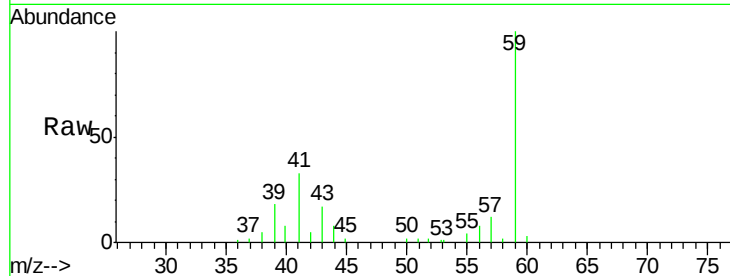
Tert butyl alcohol
 Concen: 145.817 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

Manual Integrations
 APPROVED

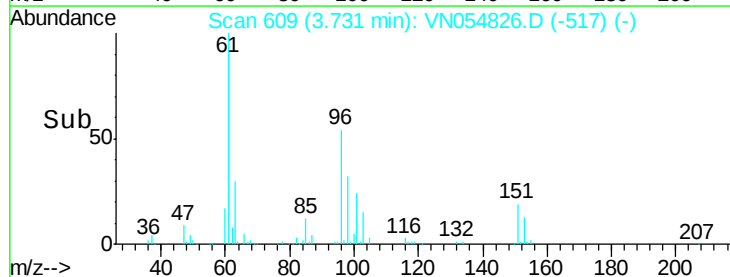
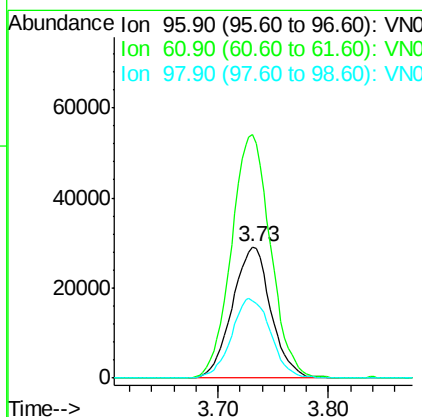
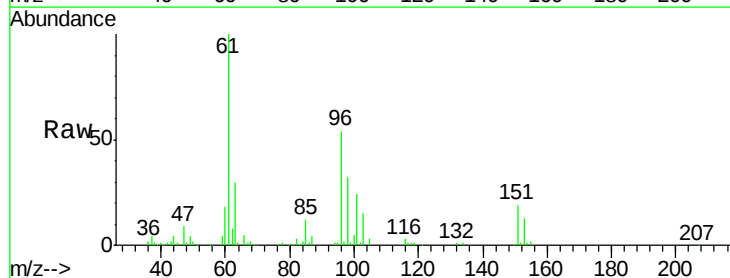
MMDadoda
 4/1/2019 1:31:47 PM

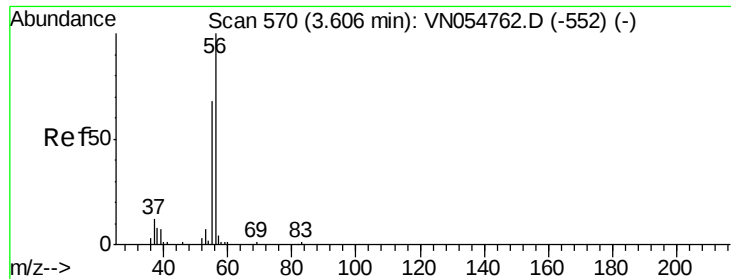


#12

1,1-Dichloroethene
 Concen: 22.622 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	116.5	174.7#
98	58.6	51.0	76.4





#13

Acrolein

Concen: 141.234 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 56 Resp: 35186

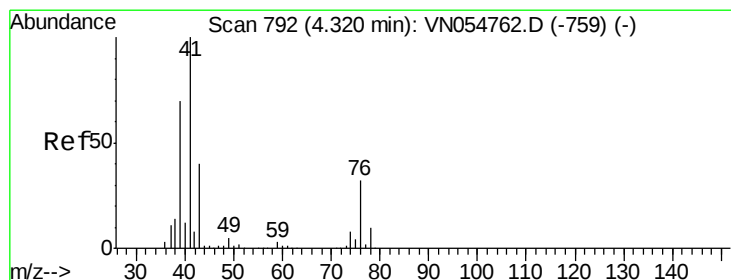
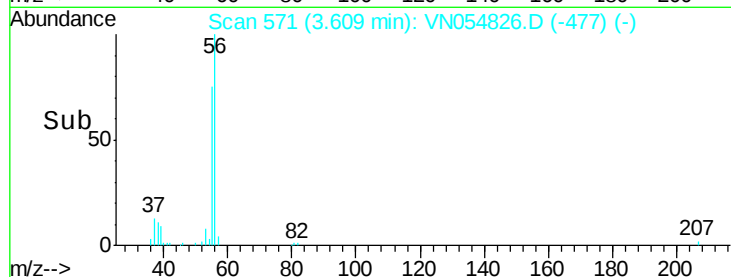
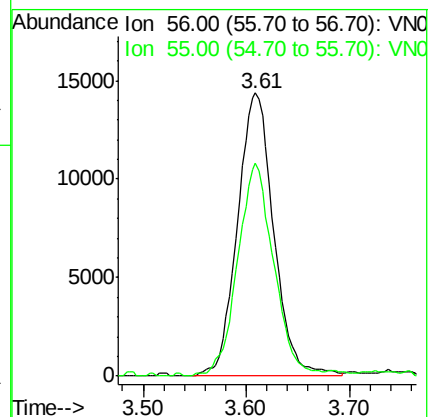
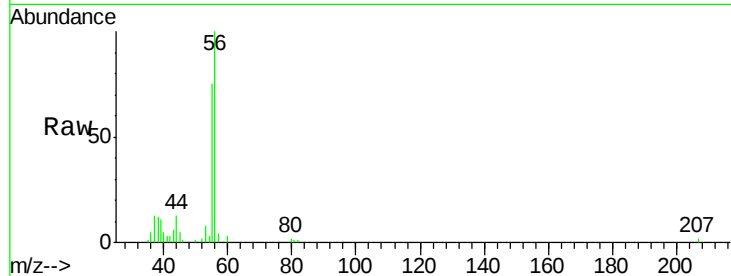
Ion Ratio Lower Upper

56 100

55 74.8 56.7 85.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:31:47 PM



#14

Allyl chloride

Concen: 20.508 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

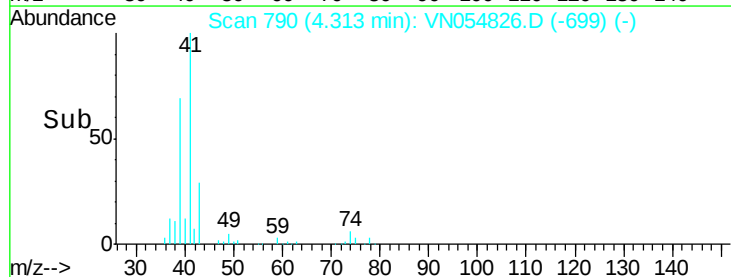
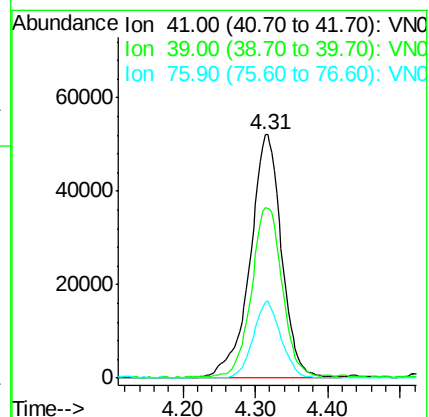
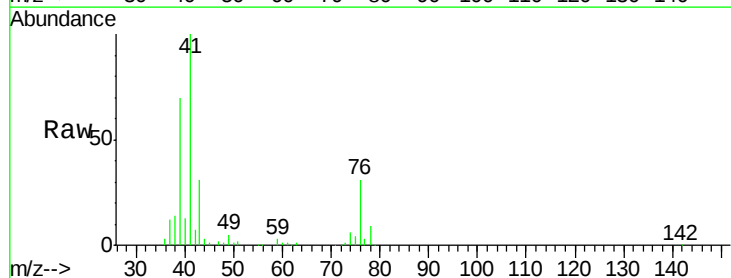
Tgt Ion: 41 Resp: 157553

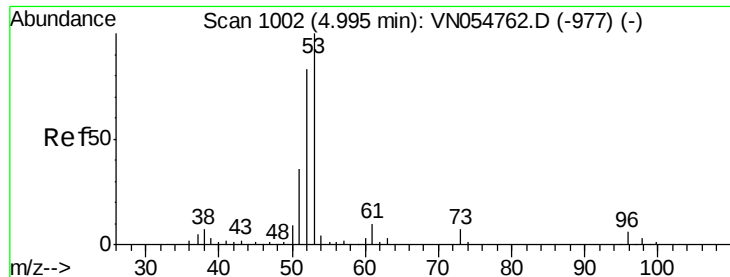
Ion Ratio Lower Upper

41 100

39 67.3 58.2 87.4

76 27.9 31.7 47.5#





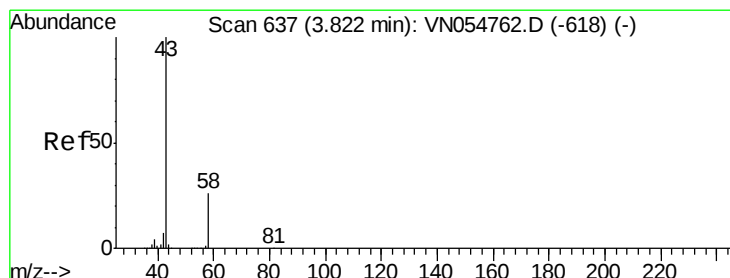
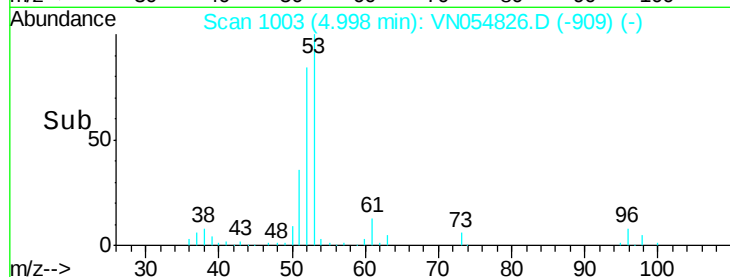
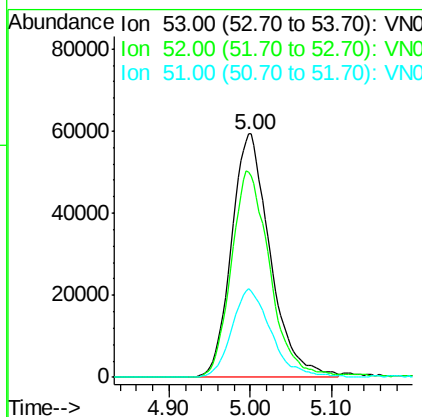
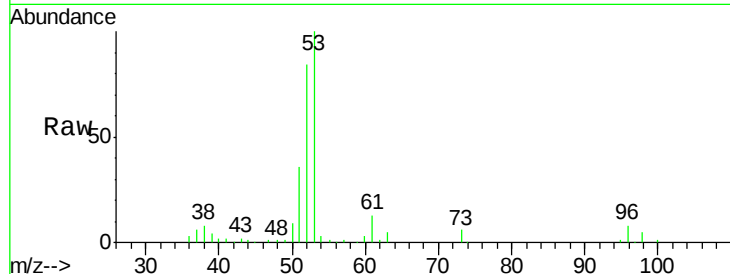
#15
 Acrylonitrile
 Concen: 126.299 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.4	99.6
51	37.0	29.6	44.4

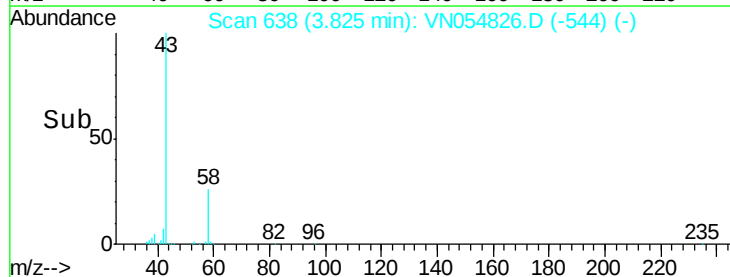
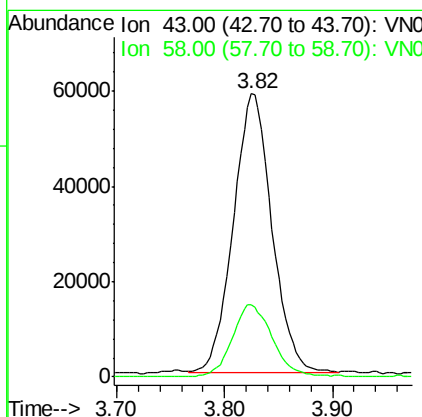
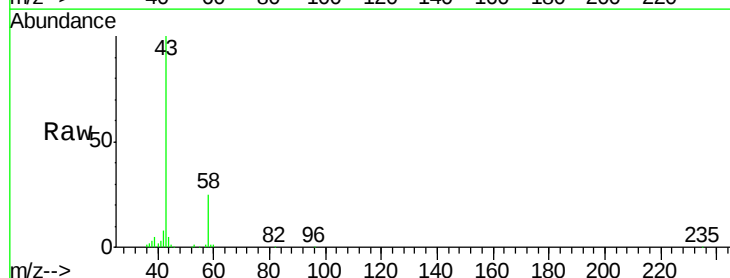
Manual Integrations
 APPROVED

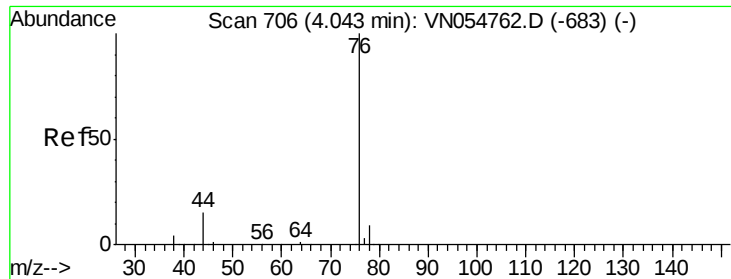
MMDadoda
 4/1/2019 1:31:47 PM



#16
 Acetone
 Concen: 113.516 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.4	29.9	44.9#





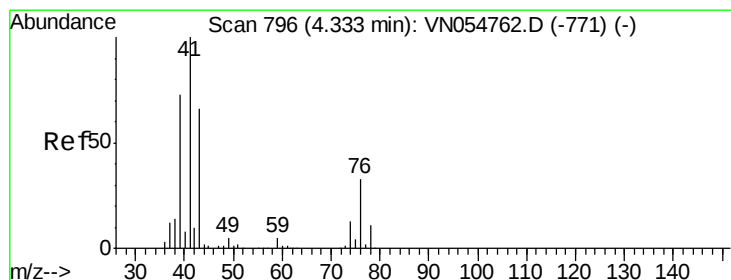
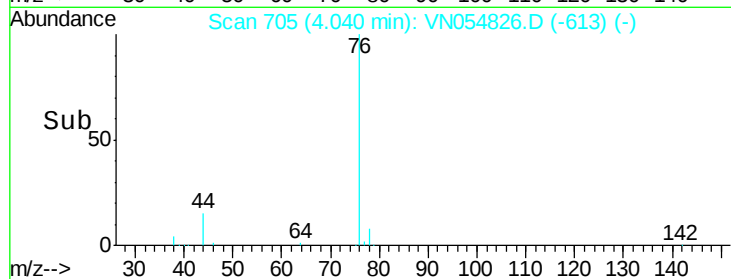
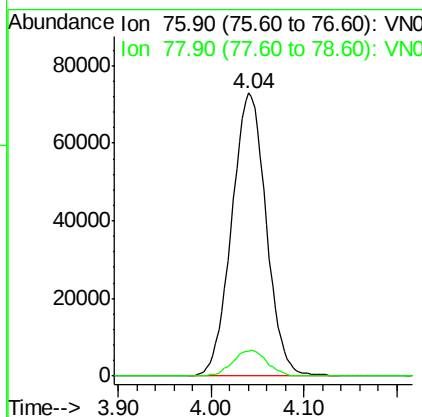
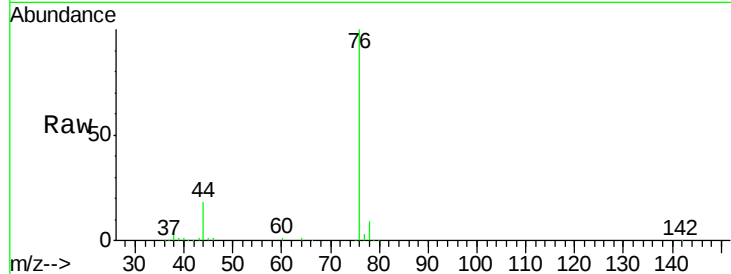
#17
Carbon Disulfide
Concen: 18.587 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

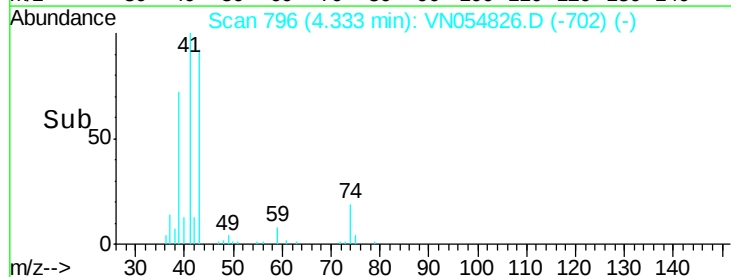
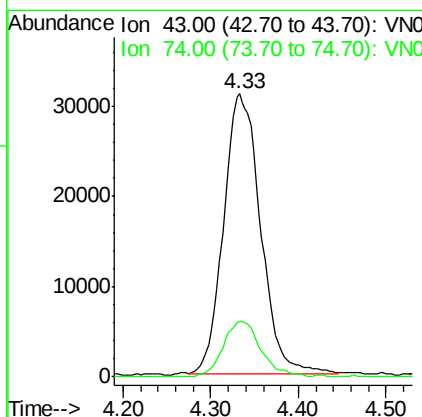
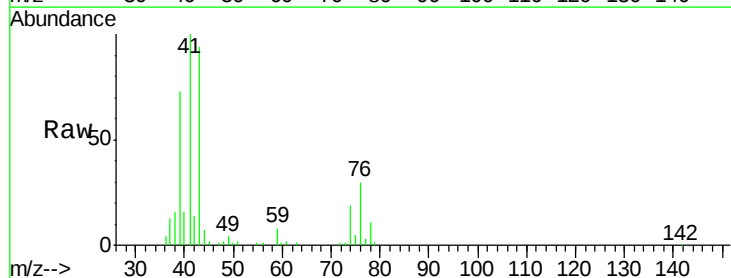
Manual Integrations
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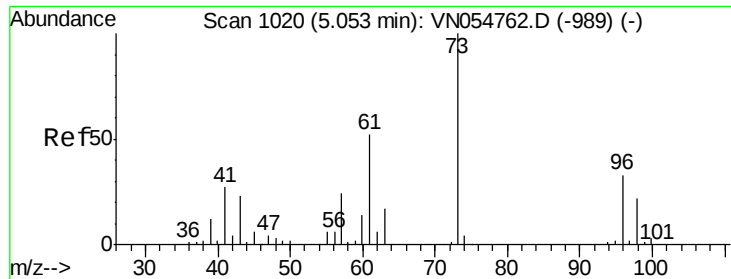
MMDadoda
4/1/2019 1:31:47 PM



#18
Methyl Acetate
Concen: 26.776 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	20.8	31.2#





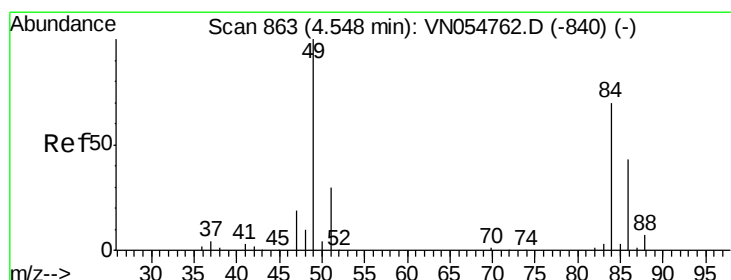
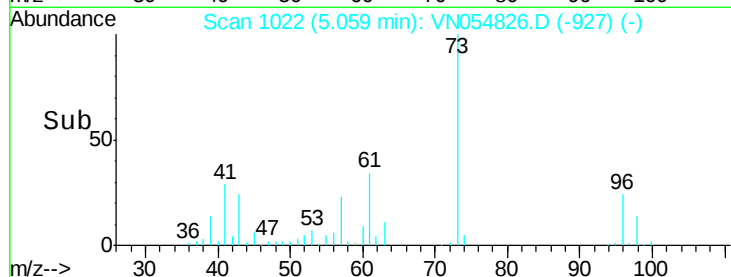
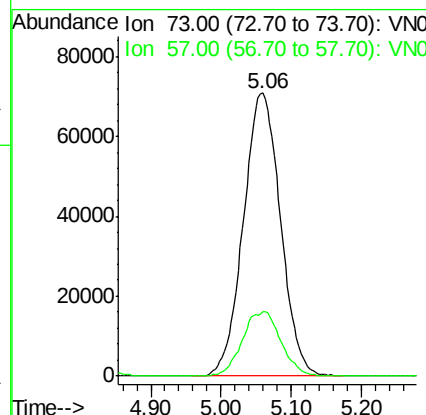
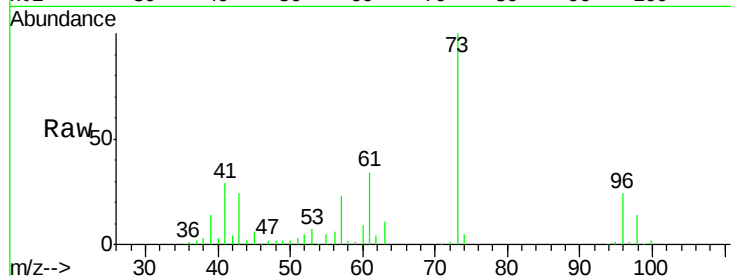
#19
Methvl tert-butvl Ether
Concen: 23.826 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 73 Resp: 259938
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2

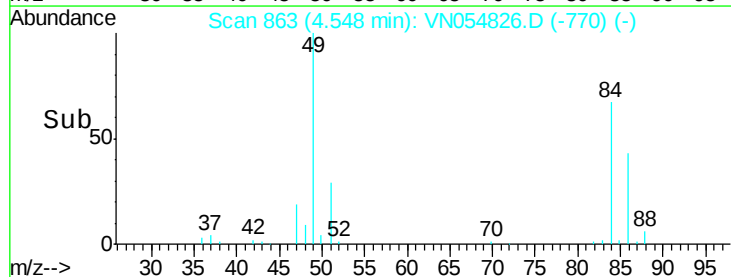
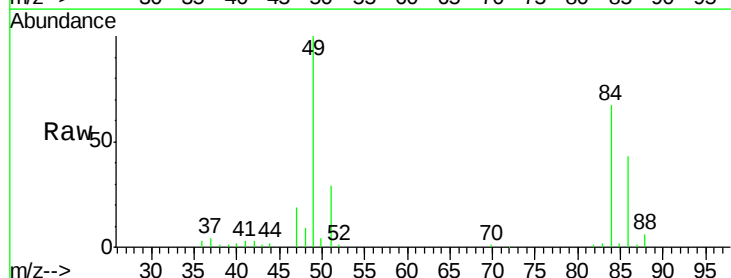
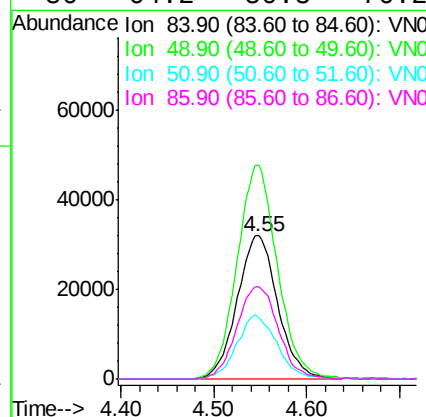
Manual Integrations
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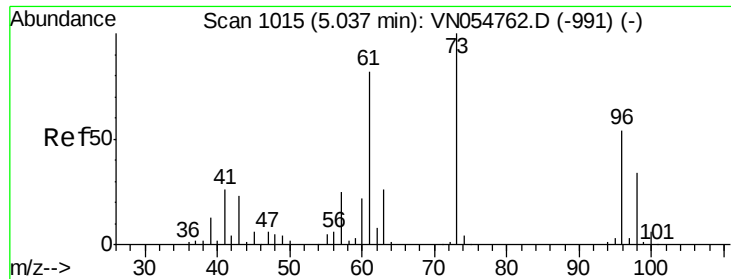
MMDadoda
4/1/2019 1:31:47 PM



#20
Methylene Chloride
Concen: 21.687 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 84 Resp: 97574
Ion Ratio Lower Upper
84 100
49 149.1 89.7 134.5#
51 43.0 28.2 42.4#
86 64.2 50.8 76.2





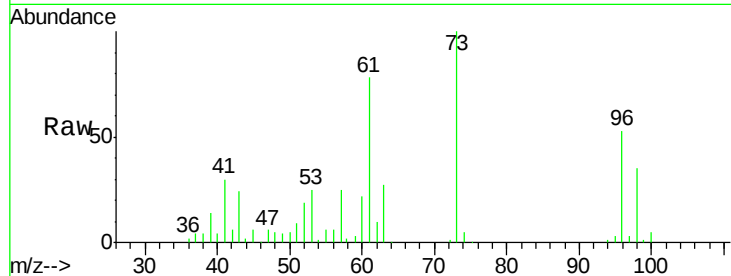
#21
trans-1,2-Dichloroethene
Concen: 22.165 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	102.8	154.2
98	65.7	50.0	75.0

Manual Integrations
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MMDadoda
4/1/2019 1:31:47 PM

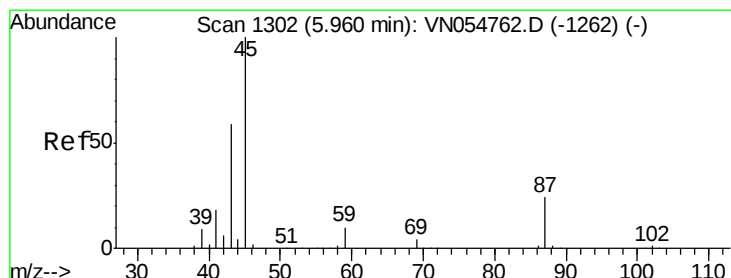
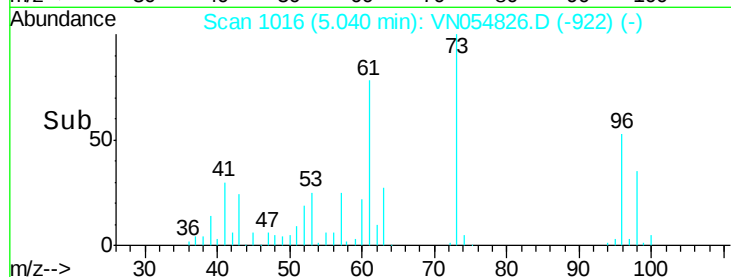
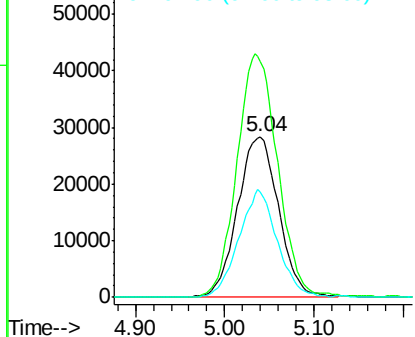


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 23.280 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.2	72.2
87	23.1	24.9	37.3#
59	9.8	9.5	14.3

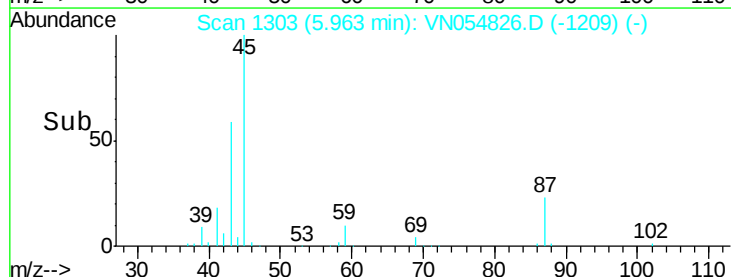
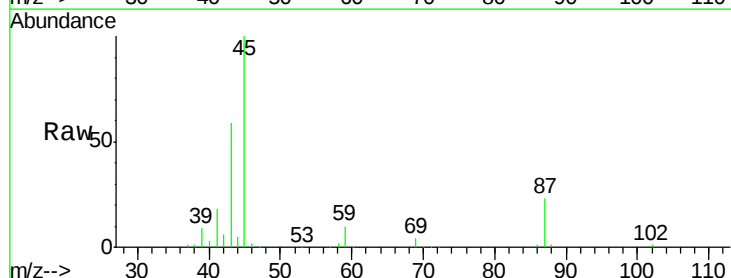
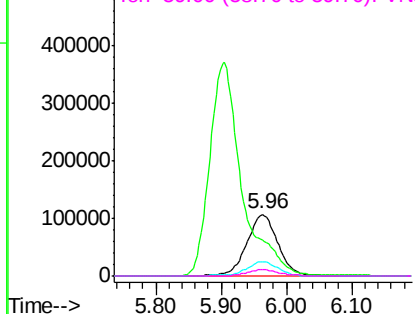
Abundance

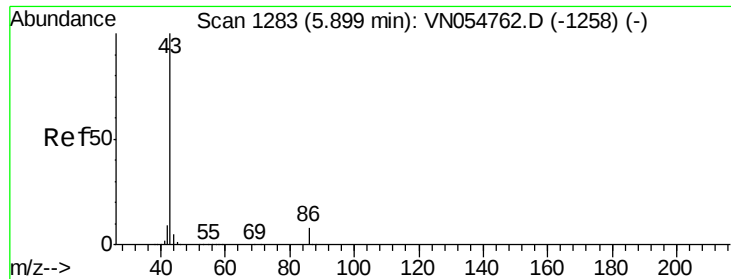
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 119.571 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 43 Resp: 1264325

Ion Ratio Lower Upper

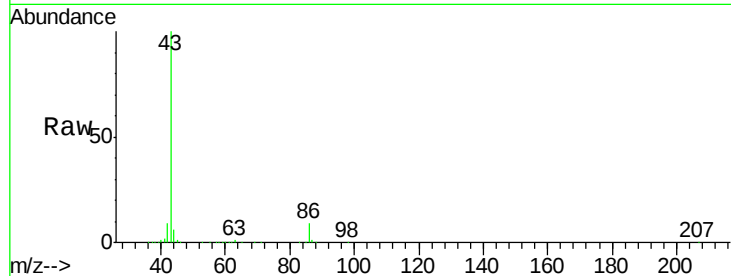
43 100

86 8.7 9.1 13.7#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

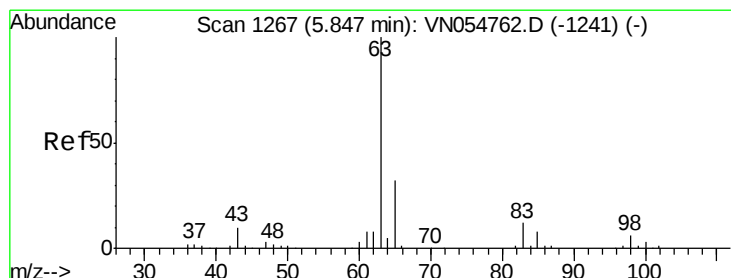
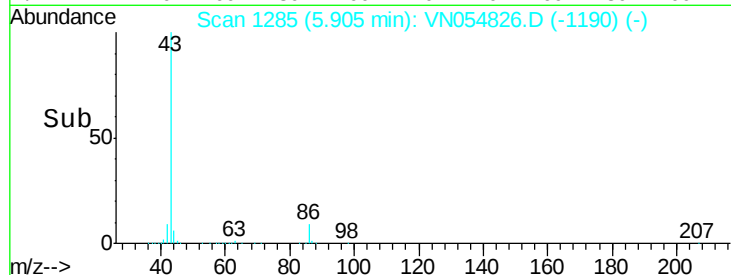
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 22.652 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

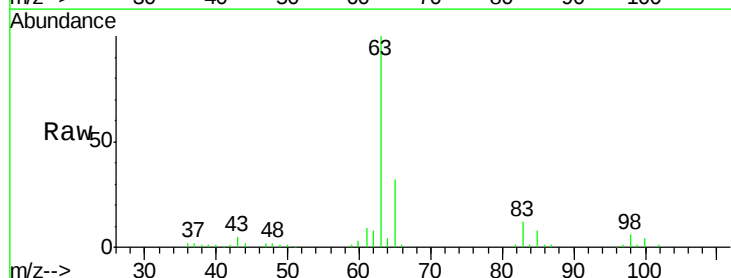
Tgt Ion: 63 Resp: 183597

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

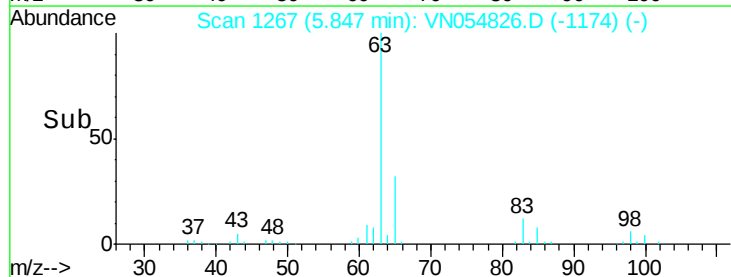
40000

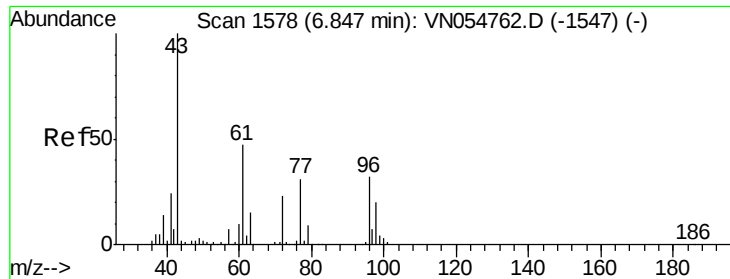
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 132.429 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 43 Resp: 249683

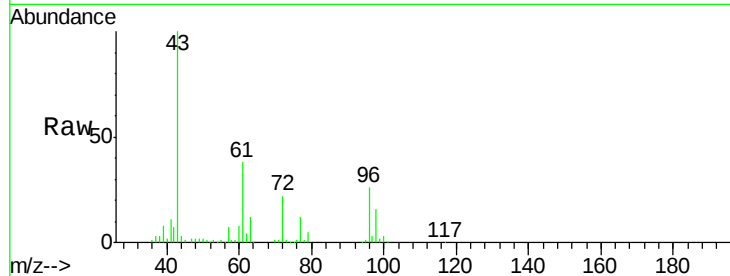
Ion Ratio Lower Upper

43 100

72 21.7 23.0 34.6#

Manual Integrations
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4/1/2019 1:31:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

80000

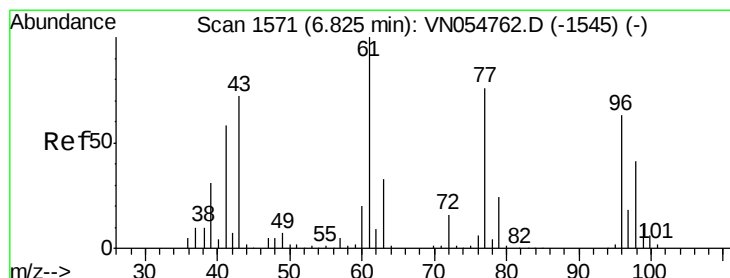
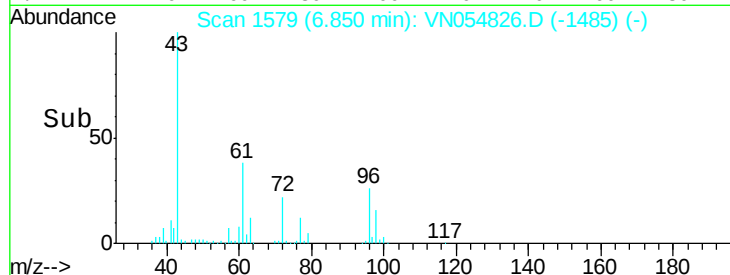
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 11.529 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054826.D

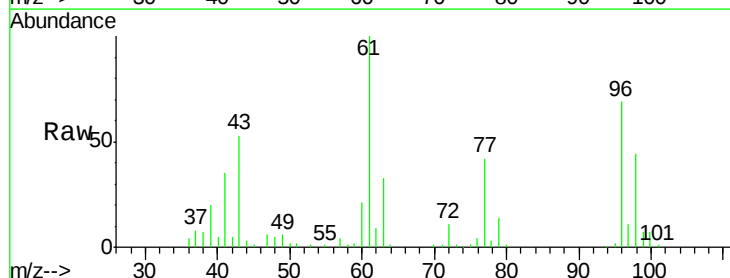
Acq: 31 Mar 2019 2:37

Tgt Ion: 77 Resp: 65497

Ion Ratio Lower Upper

77 100

97 25.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

20000

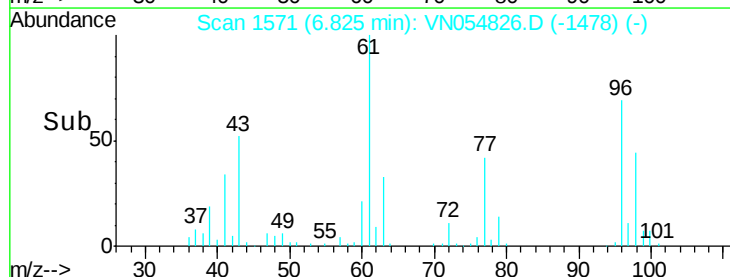
15000

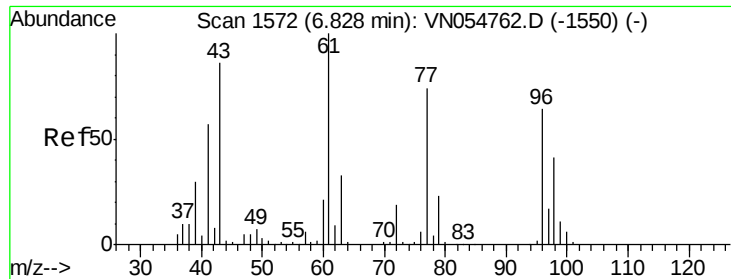
10000

5000

0

Time--> 6.70 6.80 6.90





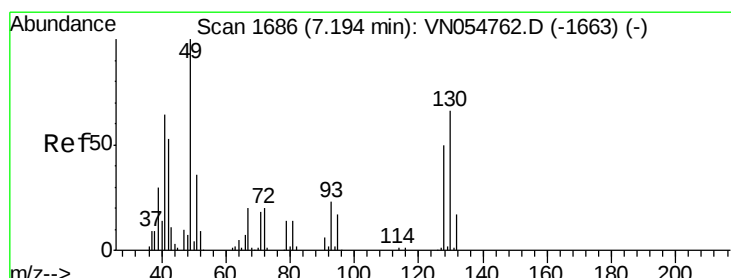
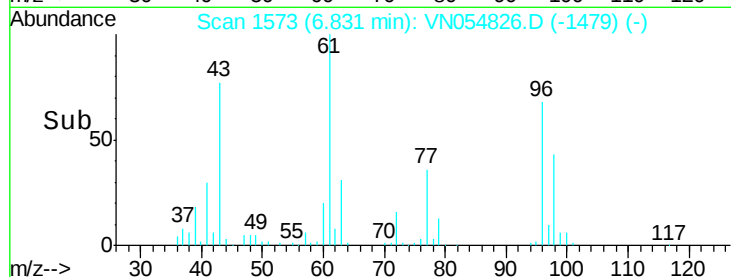
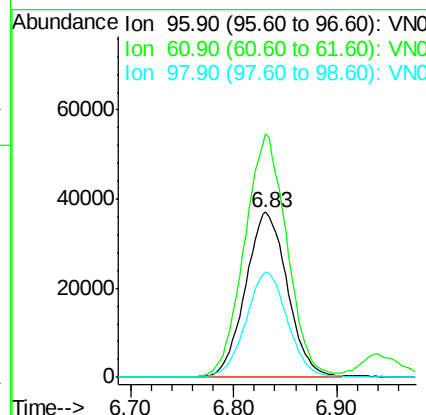
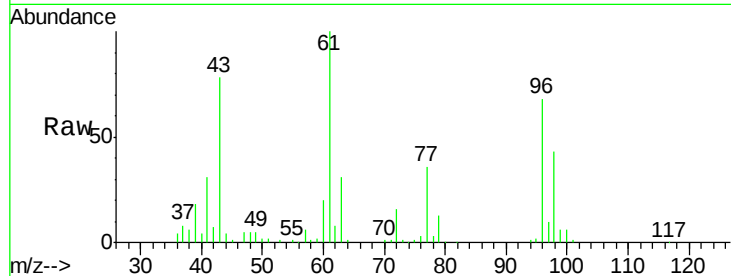
#27
 cis-1,2-Dichloroethene
 Concen: 22.648 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.8	0.0	273.0	
98	63.1	0.0	130.6	

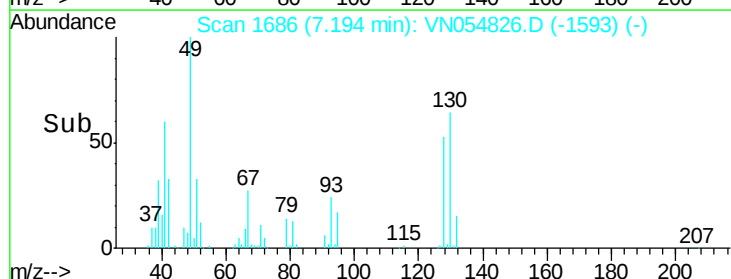
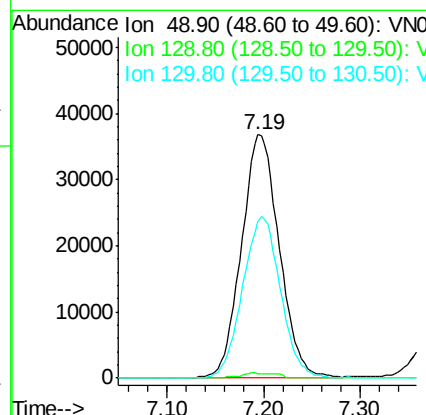
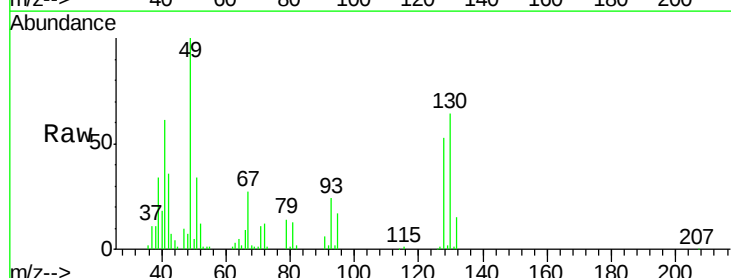
Manual Integrations
 APPROVED

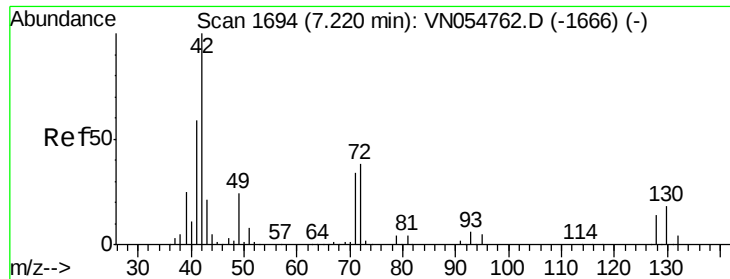
MMDadoda
 4/1/2019 1:31:47 PM



#28
 Bromochloromethane
 Concen: 24.656 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.6	
130	66.2	76.7	115.1#	





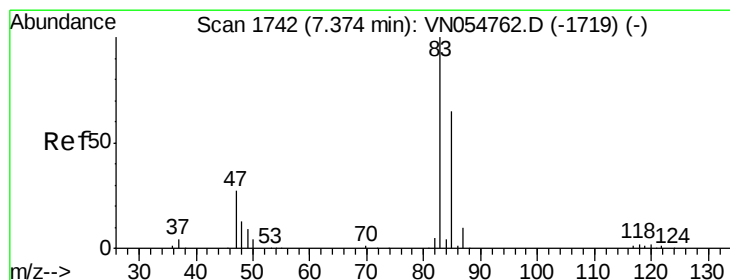
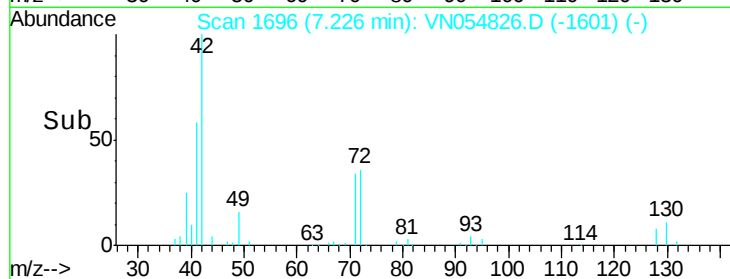
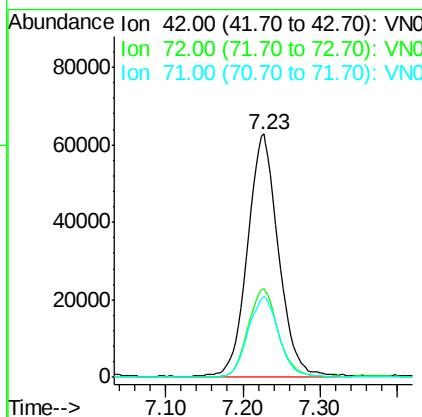
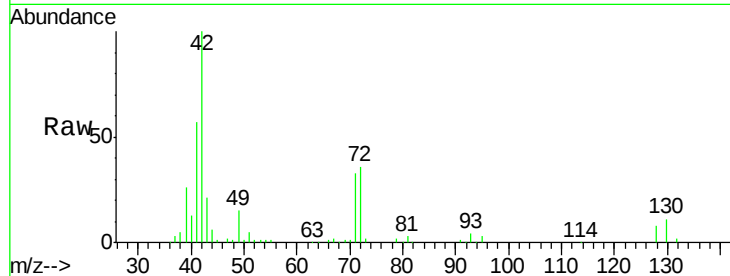
#29
Tetrahydrofuran
Concen: 133.266 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	37.8	56.6#
71	32.9	36.2	54.2#

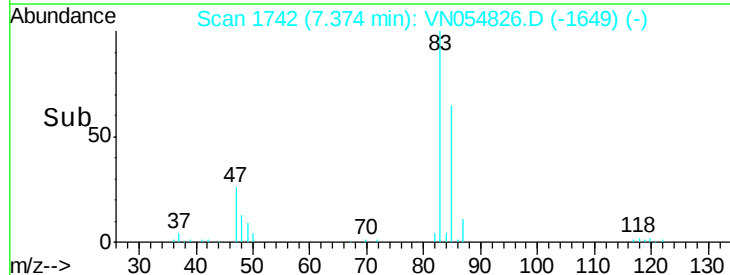
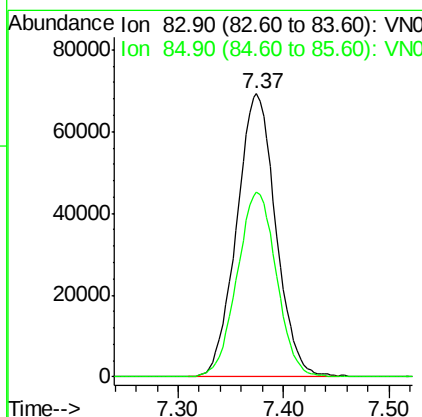
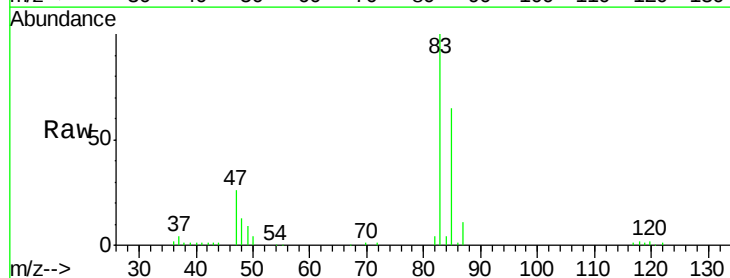
Manual Integrations
APPROVED

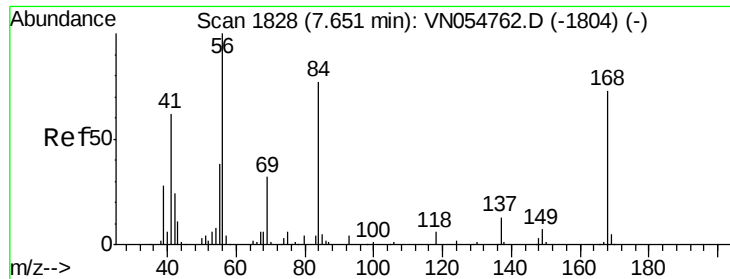
MMDadoda
4/1/2019 1:31:47 PM



#30
Chloroform
Concen: 23.113 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4





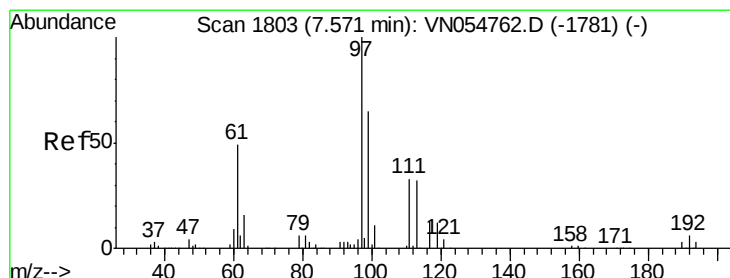
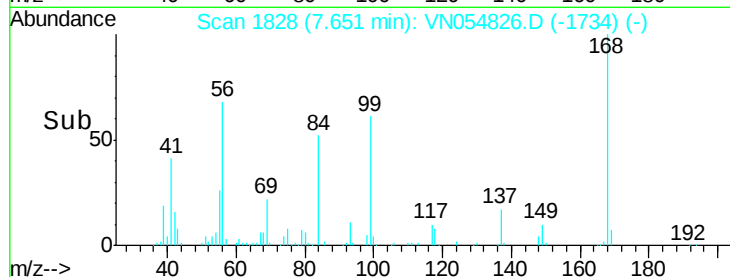
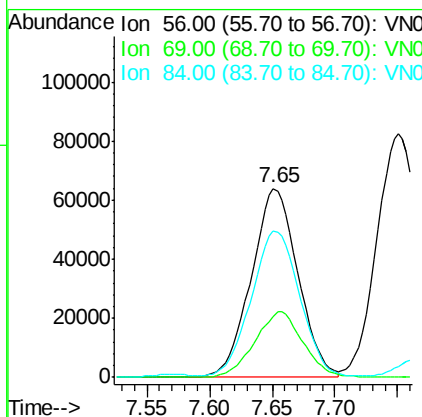
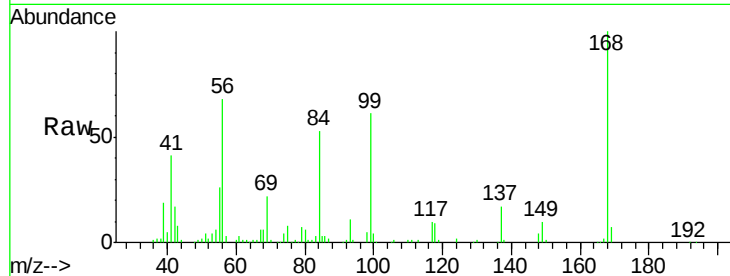
#31
Cyclohexane
Concen: 21.153 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.8	41.6
84	76.3	74.6	111.8

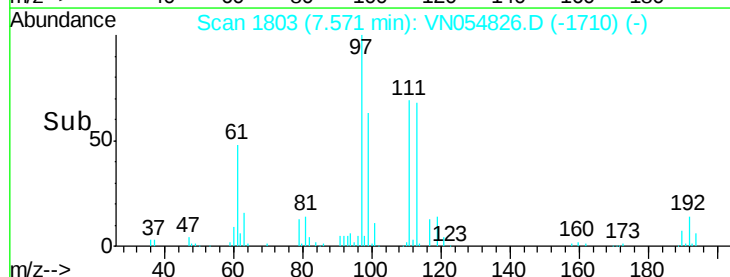
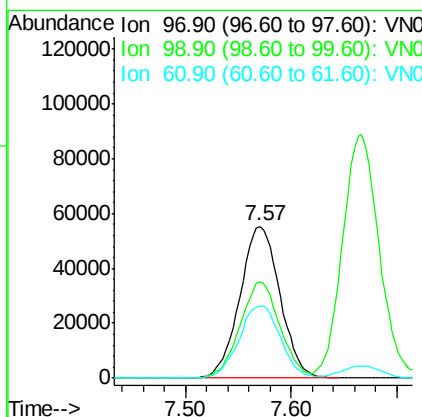
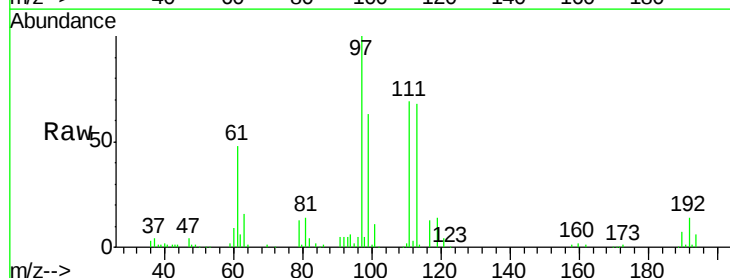
Manual Integrations
APPROVED

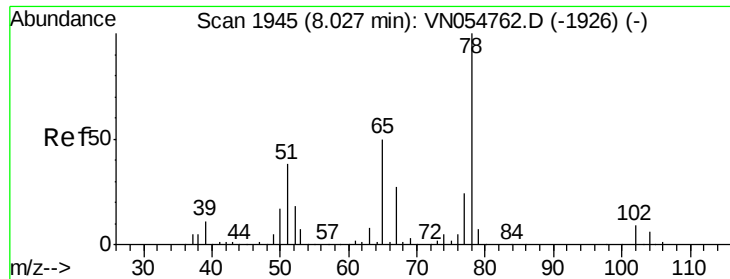
MMDadoda
4/1/2019 1:31:47 PM



#32
1,1,1-Trichloroethane
Concen: 22.812 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	49.3	33.6	50.4





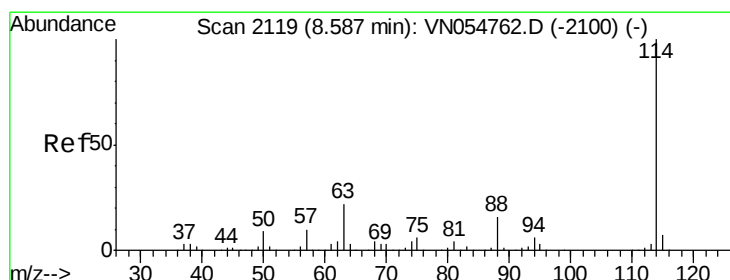
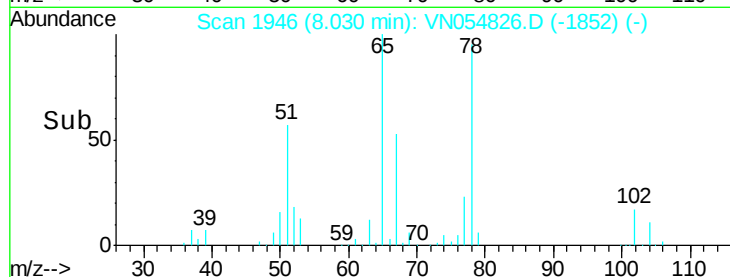
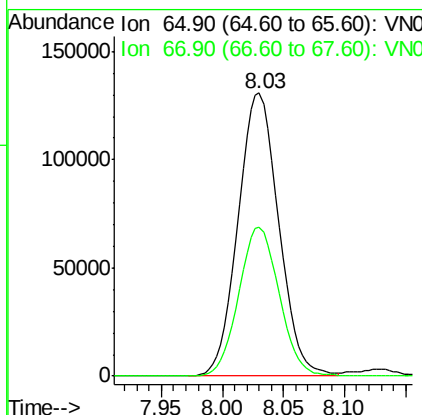
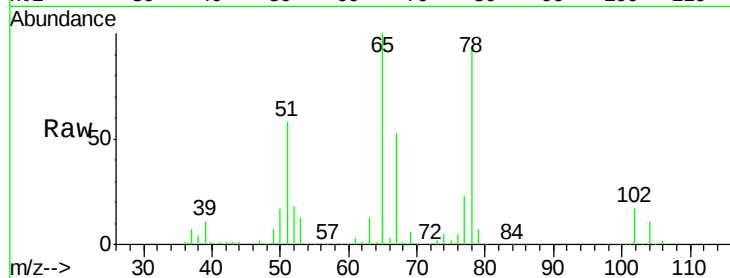
#33
 1,2-Dichloroethane-d4
 Concen: 56.455 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.6	

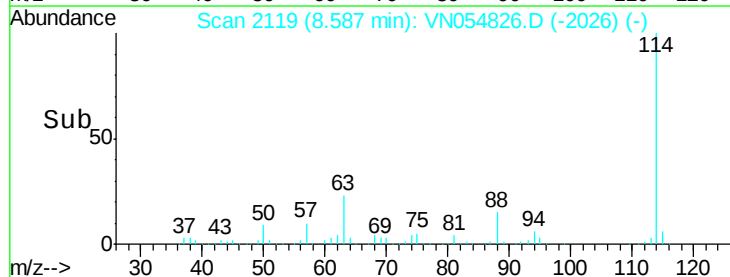
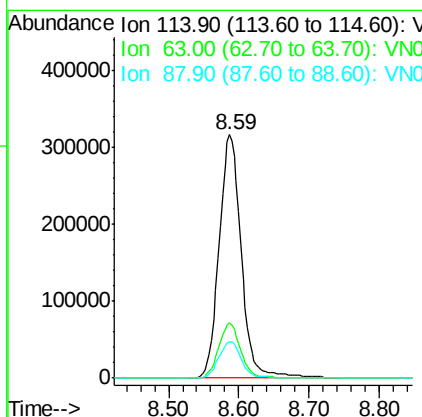
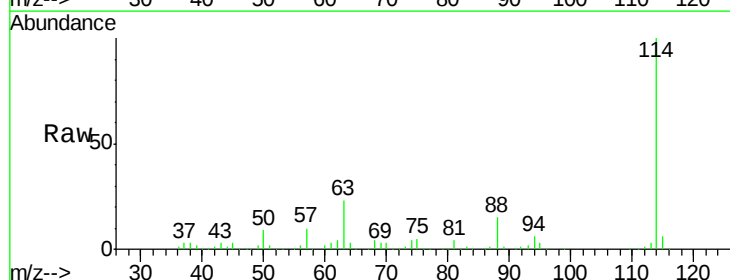
Manual Integrations
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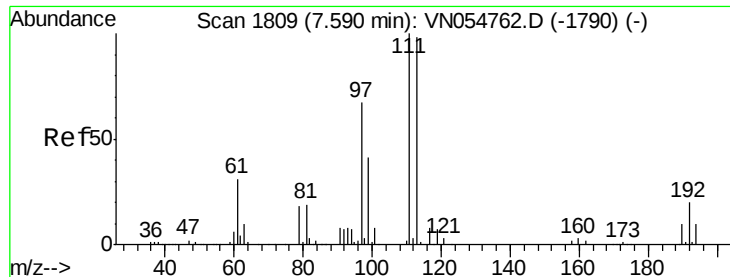
MMDadoda
 4/1/2019 1:31:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	35.2	
88	15.0	0.0	30.2	





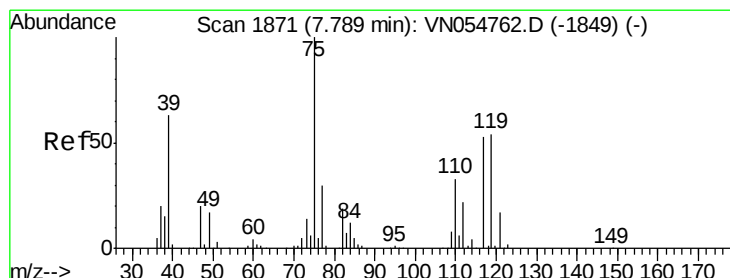
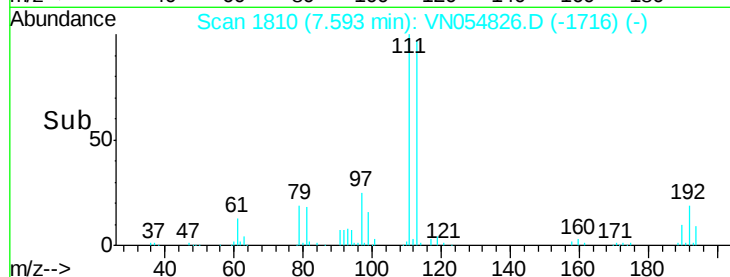
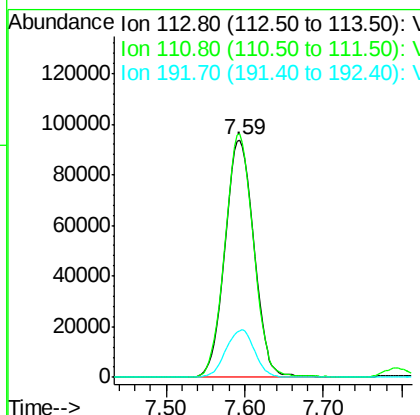
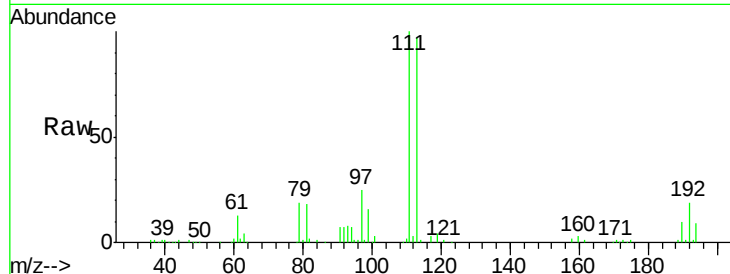
#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	82.2	123.4	
192	19.8	19.2	28.8	

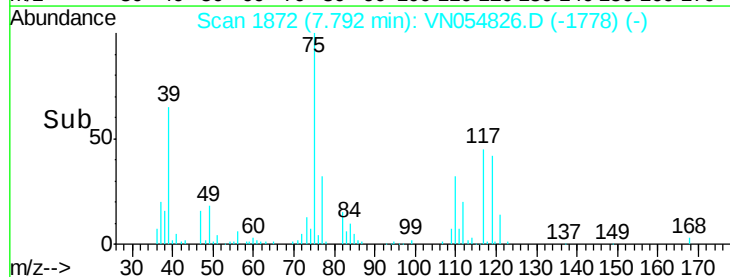
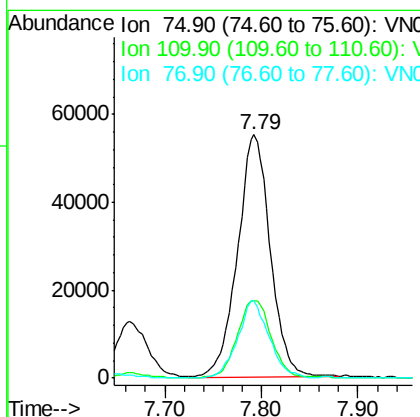
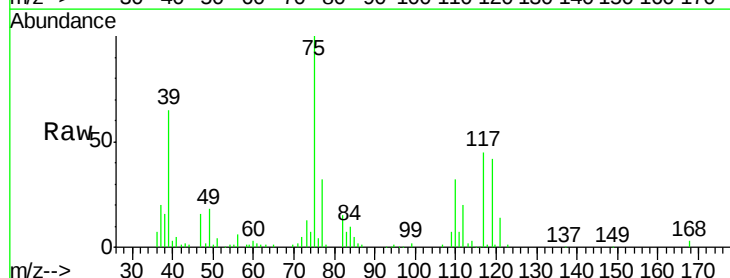
Manual Integrations
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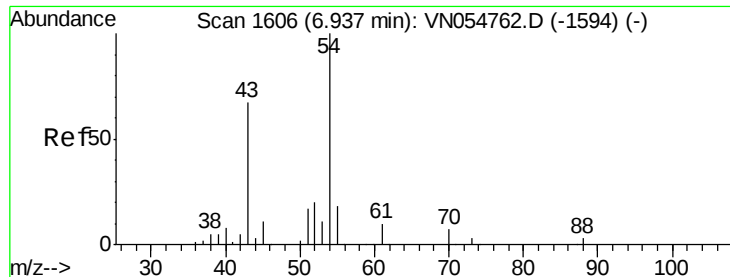
MMDadoda
 4/1/2019 1:31:47 PM



#36
 1,1-Dichloropropene
 Concen: 20.008 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	19.1	57.5	
77	30.7	25.0	37.4	





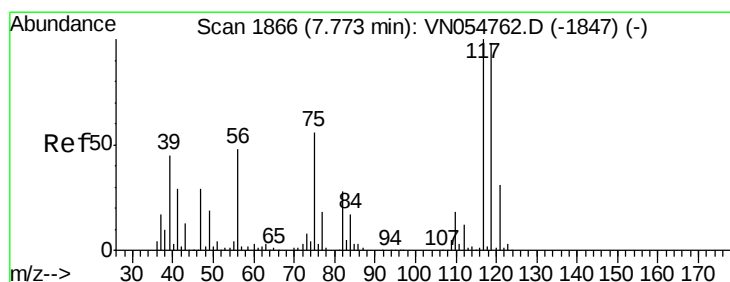
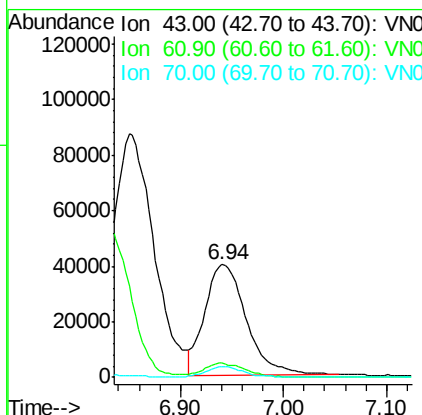
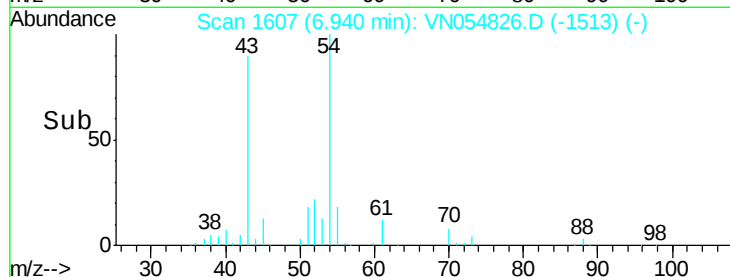
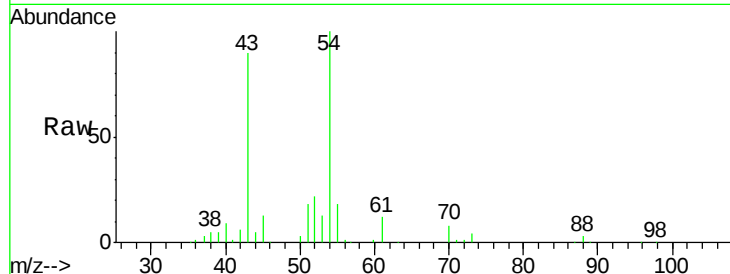
#37
Ethyl Acetate
Concen: 23.494 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.8	17.6
70	9.0	8.4	12.6

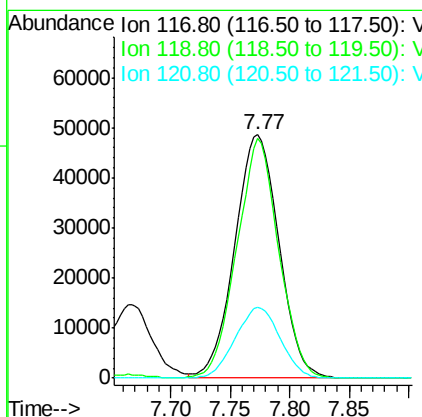
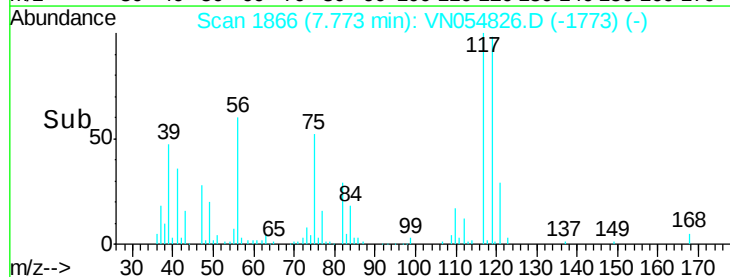
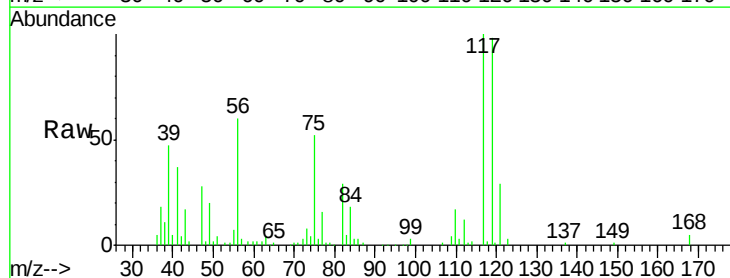
Manual Integrations
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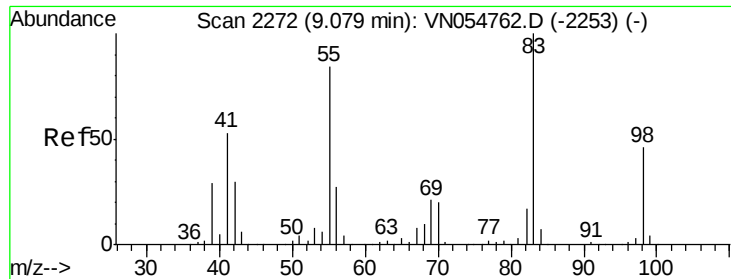
MMDadoda
4/1/2019 1:31:47 PM



#38
Carbon Tetrachloride
Concen: 19.913 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.3	114.5
121	29.3	24.6	36.8





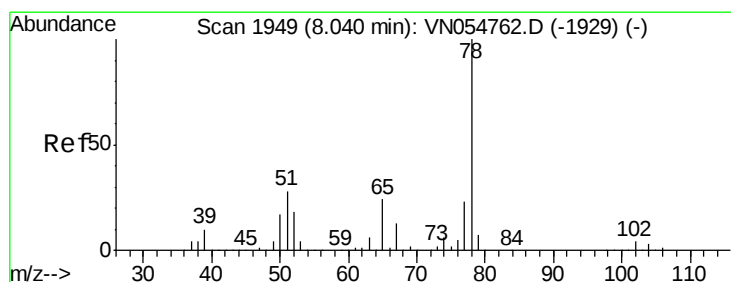
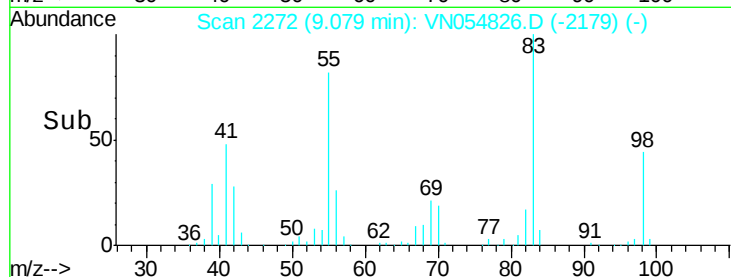
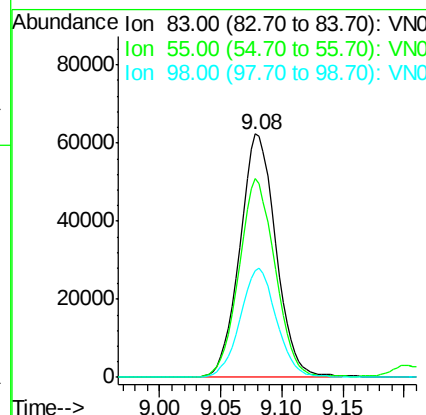
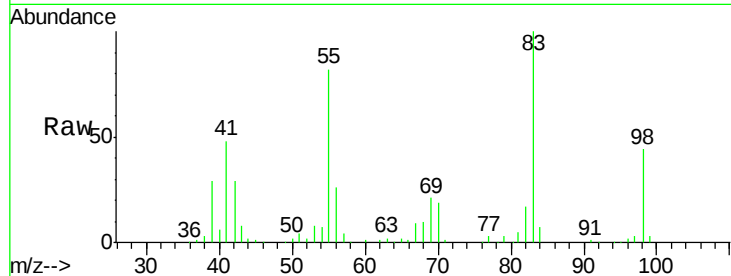
#39
Methvlcvclohexane
Concen: 17.967 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	83.00	Resp	127832
Ion Ratio	Lower	Upper	
83	100		
55	81.8	56.6	84.8
98	43.9	38.4	57.6

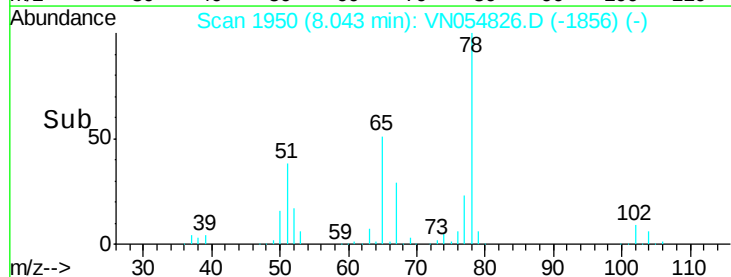
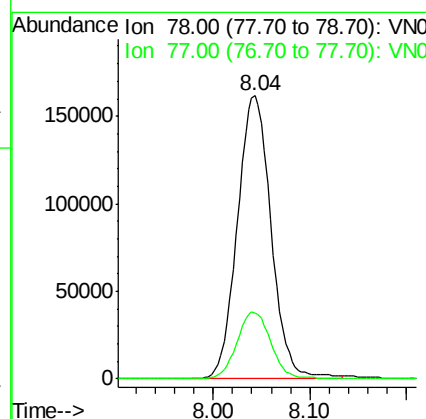
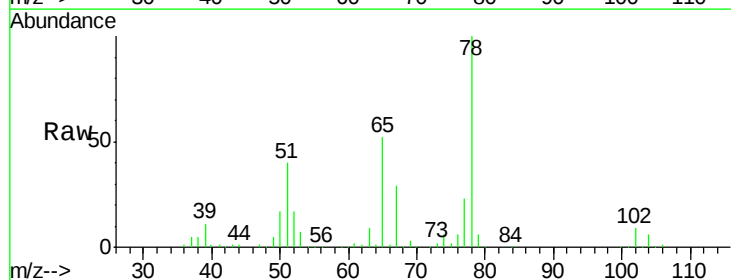
Manual Integrations
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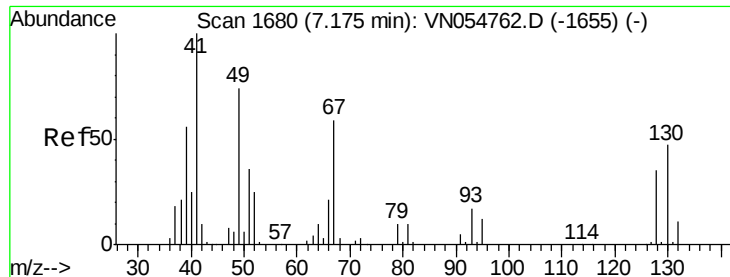
MMDadoda
4/1/2019 1:31:47 PM



#40
Benzene
Concen: 21.216 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	78.00	Resp	392880
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.1	28.7





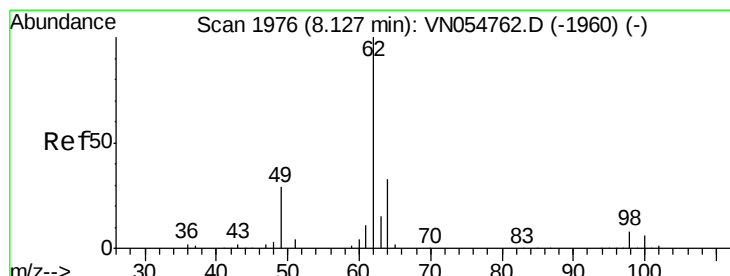
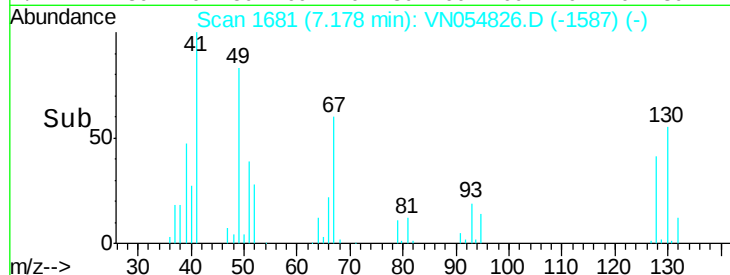
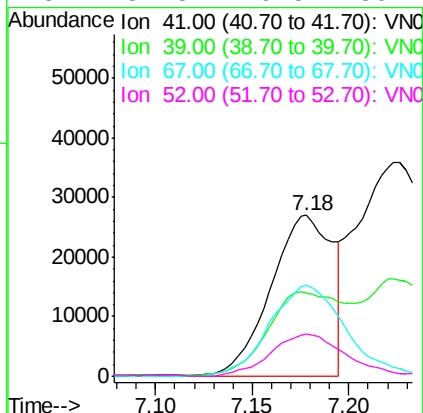
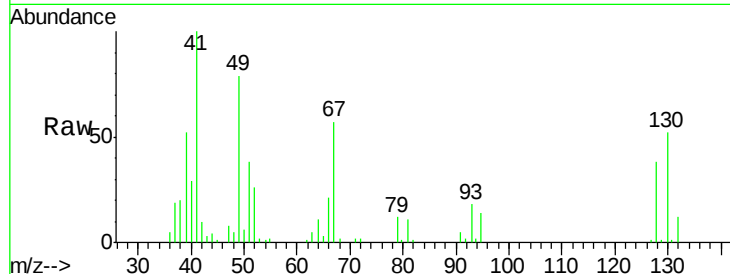
#41
Methacrylonitrile
Concen: 22.610 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	41	Resp	60279
Ion	Ratio	Lower	Upper
41	100		
39	67.9	46.8	70.2
67	69.5	67.0	100.4
52	31.8	26.5	39.7

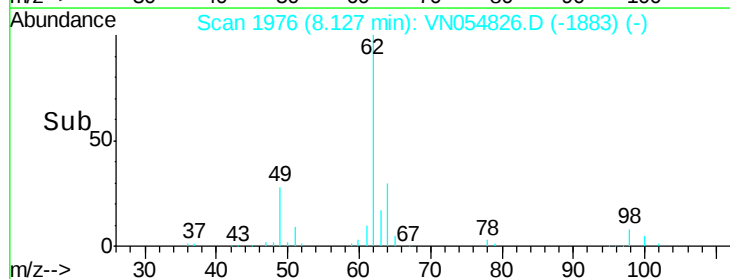
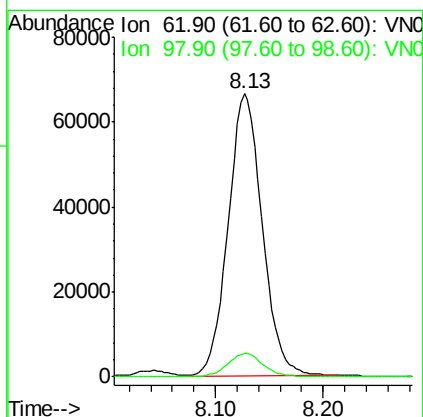
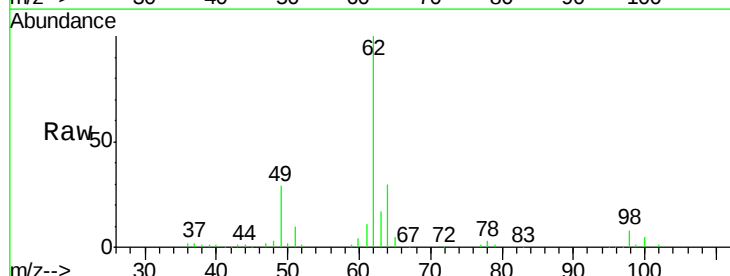
Manual Integrations
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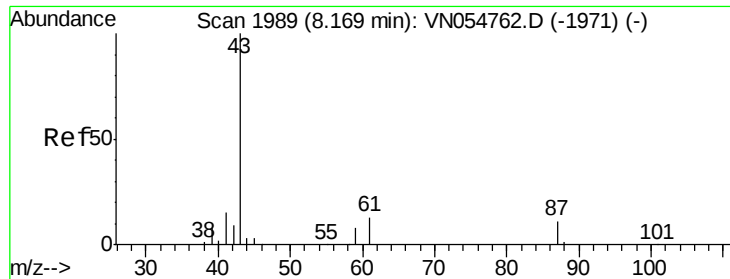
MMDadoda
4/1/2019 1:31:47 PM



#42
1,2-Dichloroethane
Concen: 22.128 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	62	Resp	146312
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





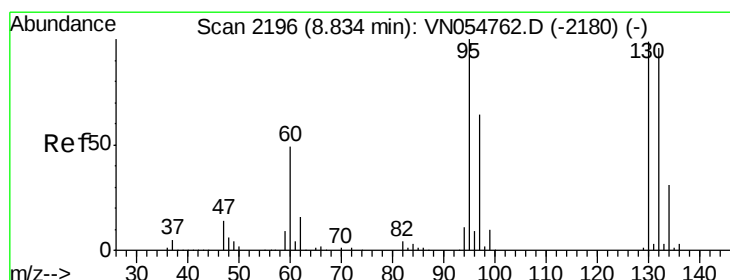
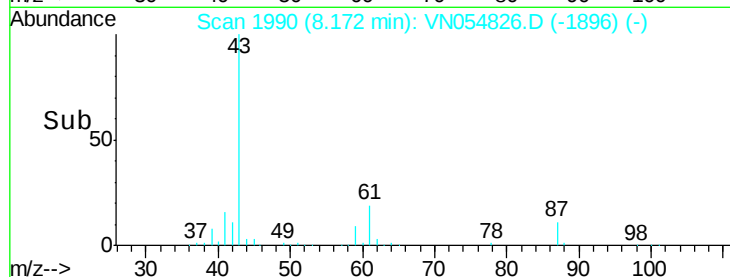
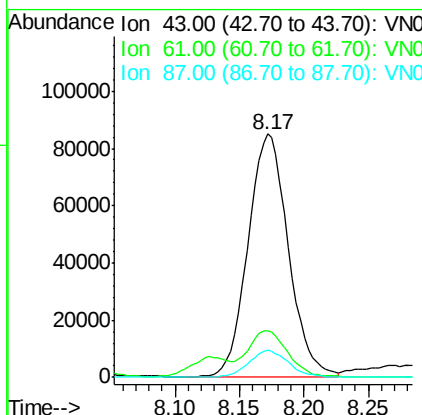
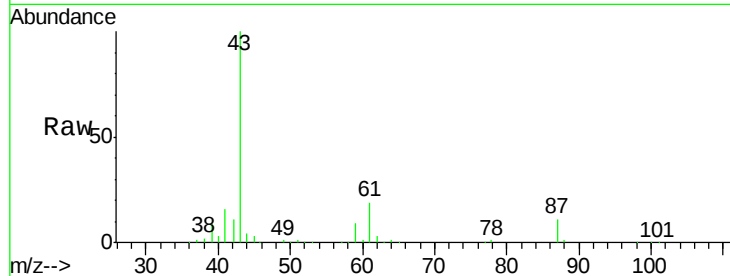
#43
Isopropyl Acetate
Concen: 23.857 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.8
87	11.0	12.0	18.0

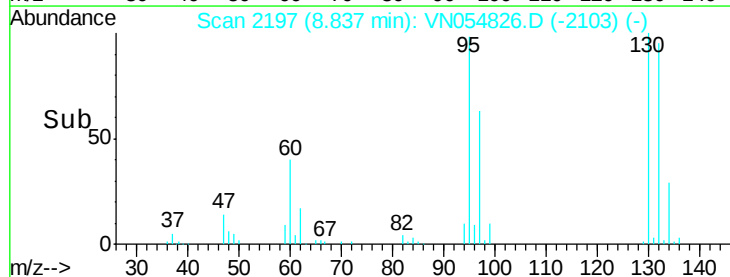
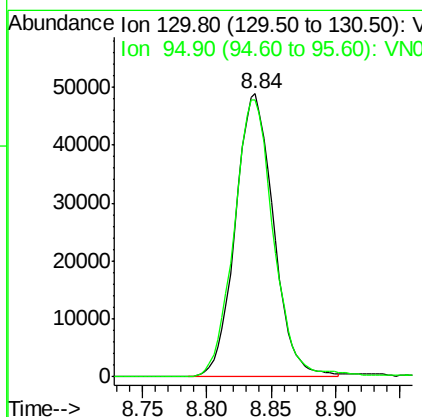
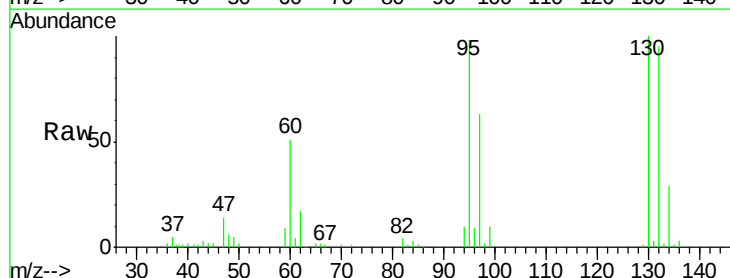
Manual Integrations
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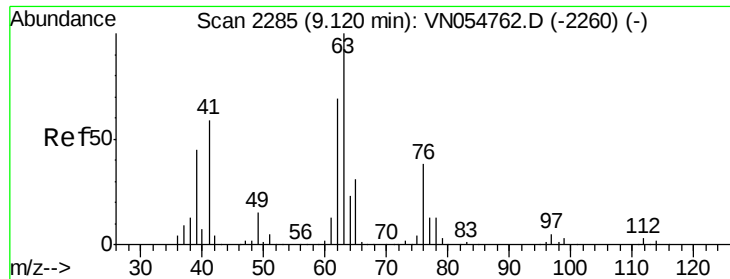
MMDadoda
4/1/2019 1:31:47 PM



#44
Trichloroethene
Concen: 20.952 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	185.2





#45

1,2-Dichloropropane

Concen: 20.839 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 63 Resp: 110036

Ion Ratio Lower Upper

63 100

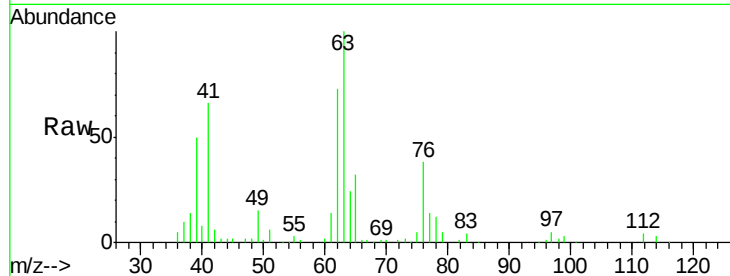
65 31.5 25.0 37.6

Manual Integrations

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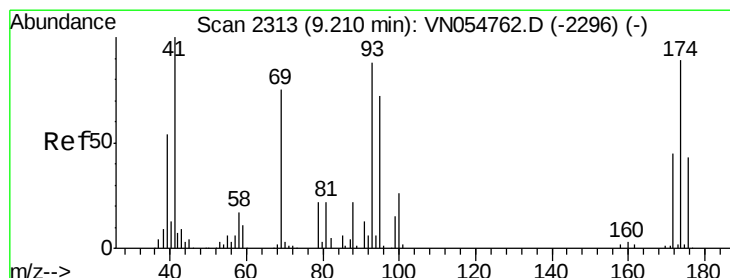
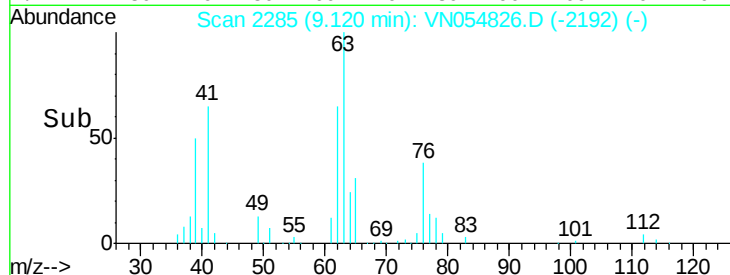
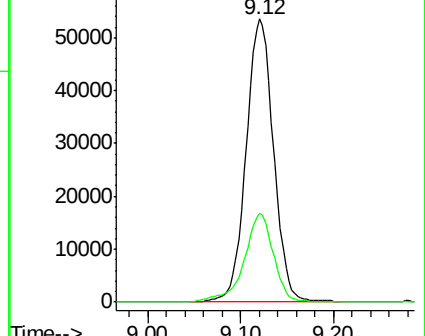
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.624 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

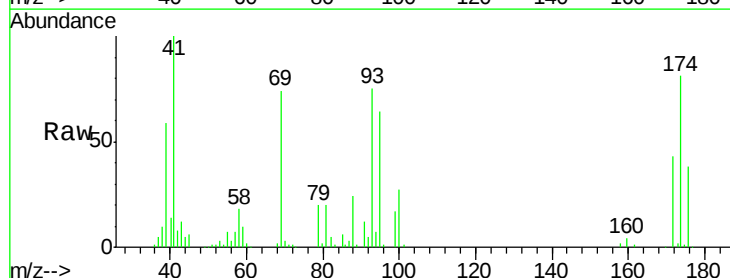
Tgt Ion: 93 Resp: 64232

Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

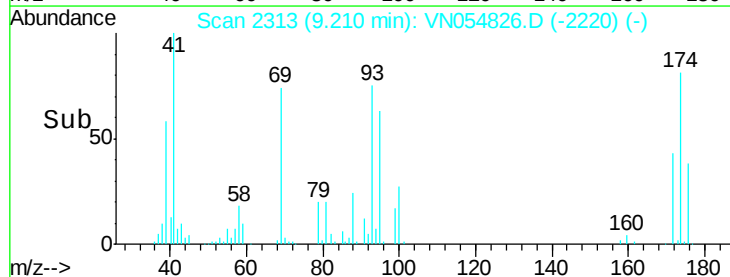
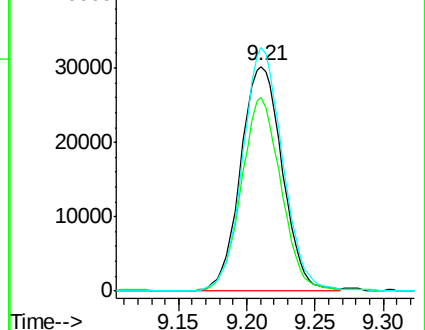
174 103.9 98.5 147.7

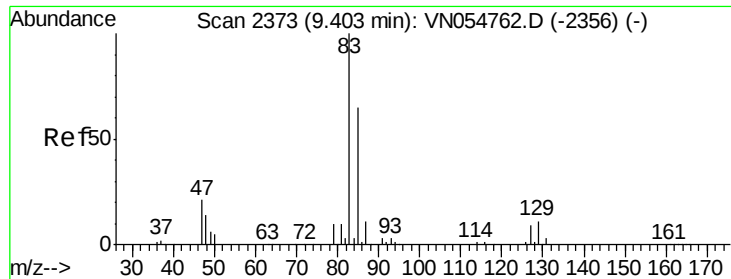


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.921 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

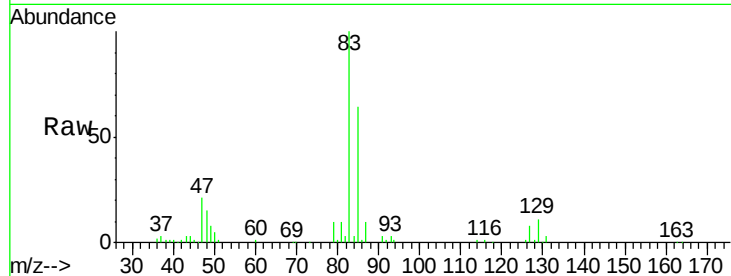
ClientSampleId :

VN0330WBS02

Tot Ion:	83	Resp:	135327
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.8	79.2
127	8.3	7.4	11.2

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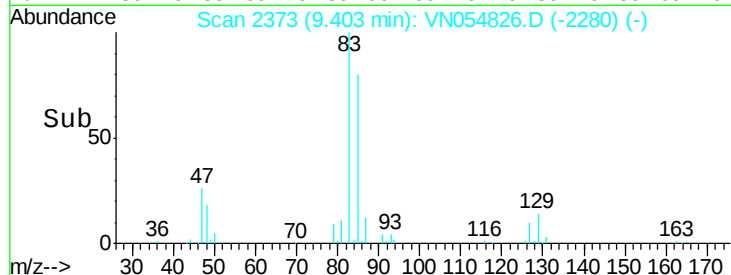


Abundance Ion 82.90 (82.60 to 83.60): VN054826.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054826.D (-2280) (-)

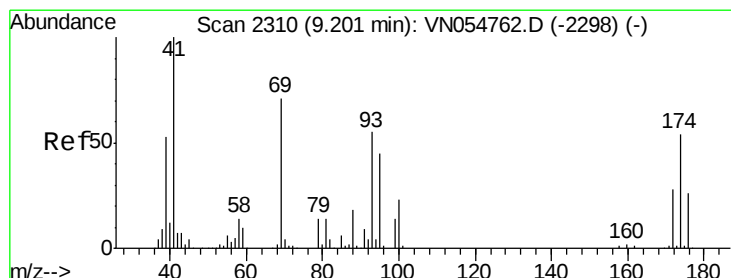
Ion 126.80 (126.50 to 127.50): VN054826.D (-2280) (-)

Time-->



Abundance

Time-->



#48

Methyl methacrylate

Concen: 21.768 ug/l

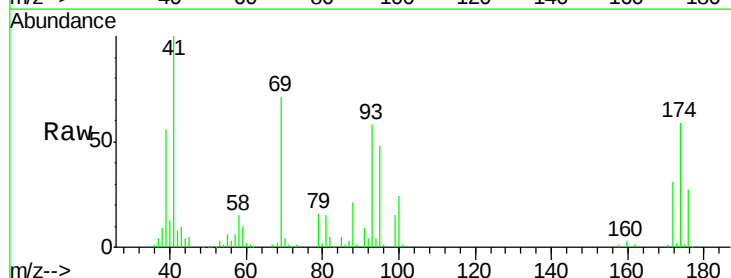
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion:	41	Resp:	90996
Ion Ratio	Lower	Upper	
41	100		
69	74.4	72.6	108.8
39	56.7	47.5	71.3

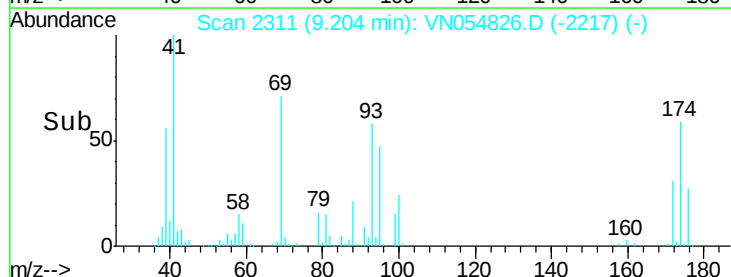


Abundance Ion 41.00 (40.70 to 41.70): VN054826.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054826.D (-2217) (-)

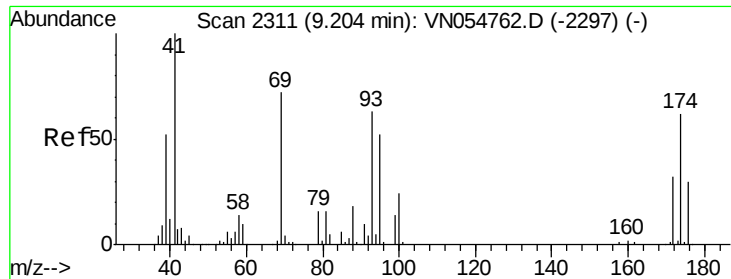
Ion 39.00 (38.70 to 39.70): VN054826.D (-2217) (-)

Time-->



Abundance

Time-->



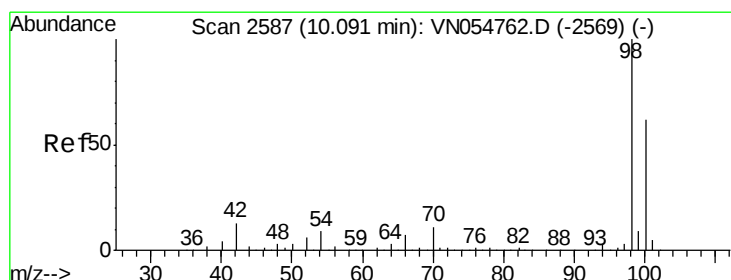
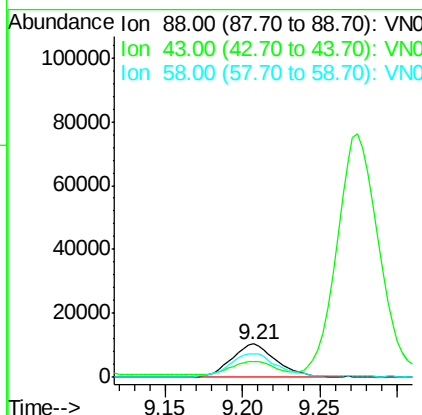
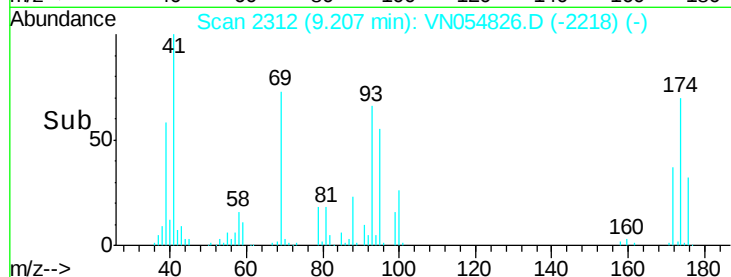
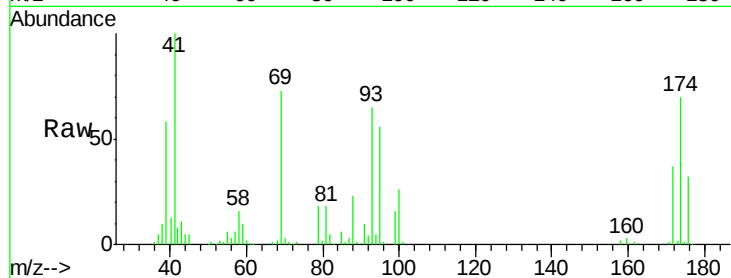
#49
1,4-Dioxane
Concen: 505.223 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	24.1	36.1#
58	76.6	50.8	76.2#

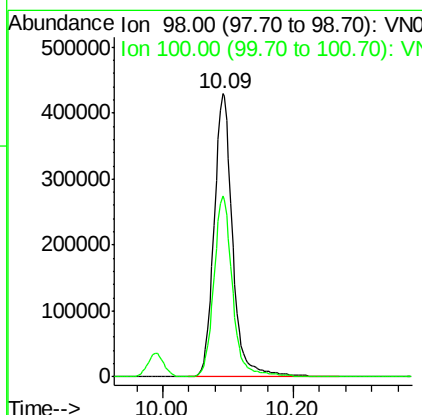
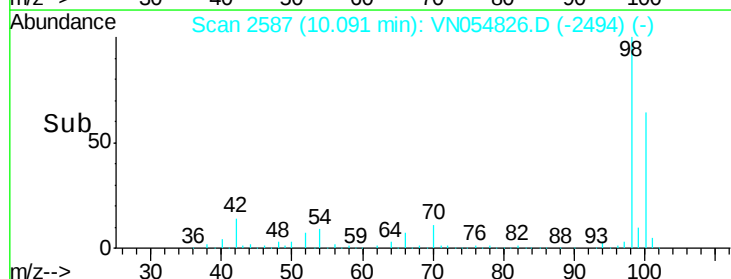
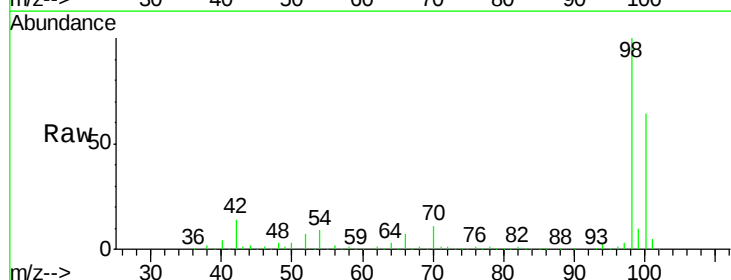
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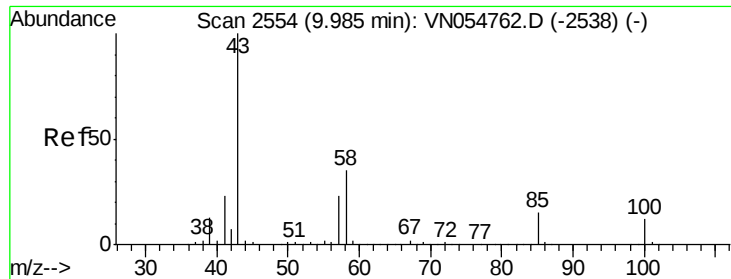
MMDadoda
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#50
Toluene-d8
Concen: 49.426 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 123.297 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 43 Resp: 534563

Ion Ratio Lower Upper

43 100

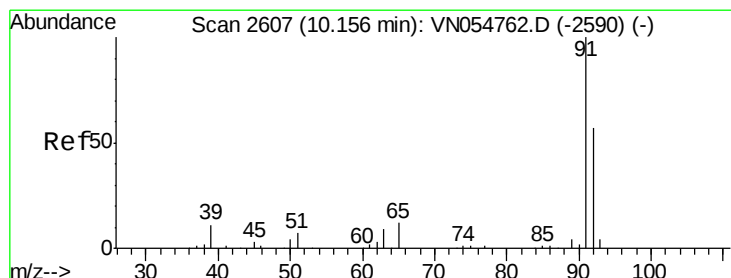
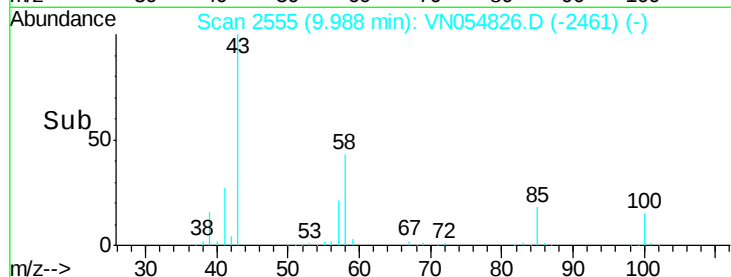
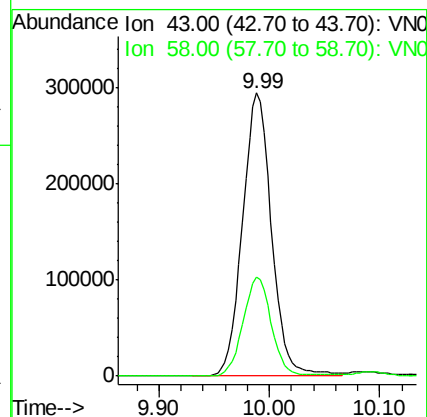
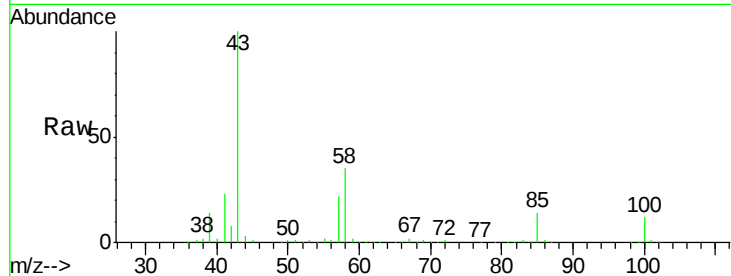
58 34.6 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 20.926 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054826.D

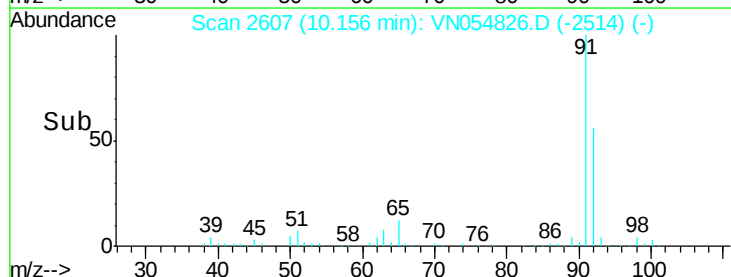
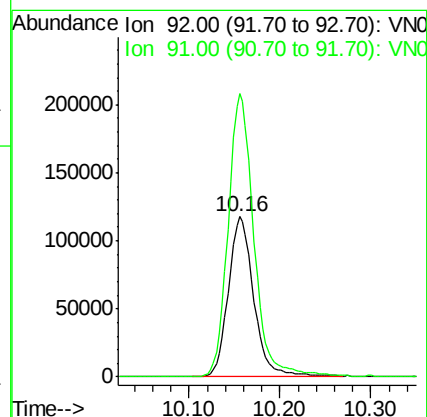
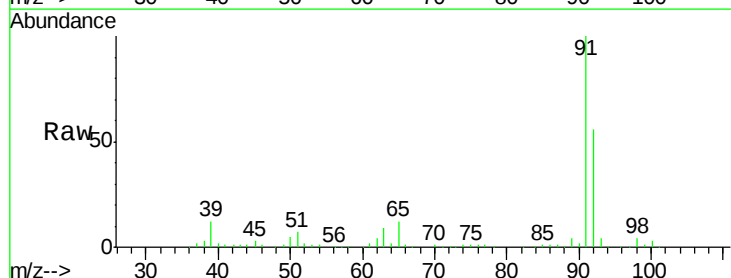
Acq: 31 Mar 2019 2:37

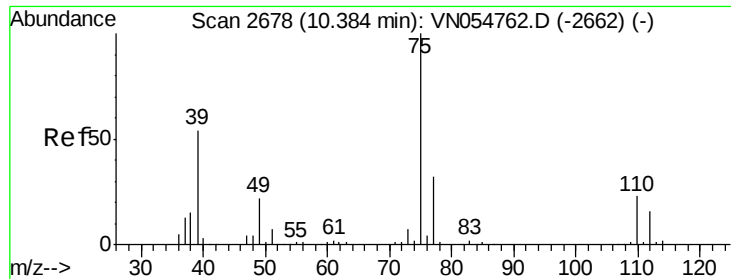
Tgt Ion: 92 Resp: 230583

Ion Ratio Lower Upper

92 100

91 177.9 140.7 211.1





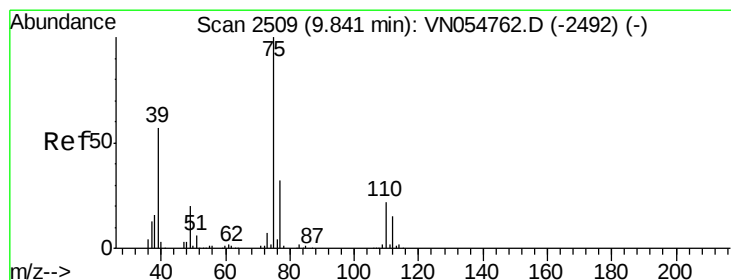
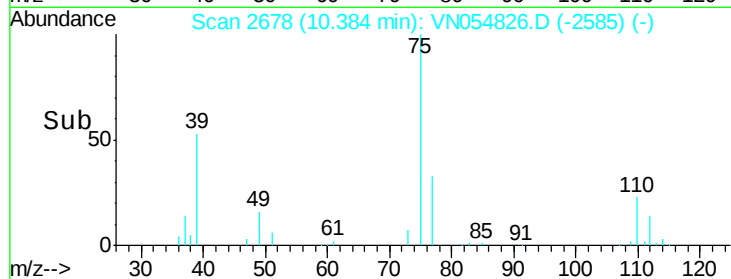
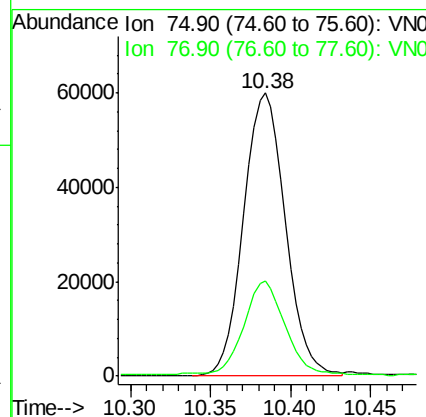
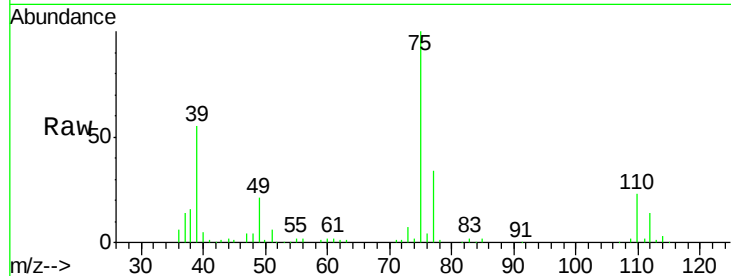
#53
 t-1,3-Dichloropropene
 Concen: 18.473 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion: 75 Resp: 107276
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8

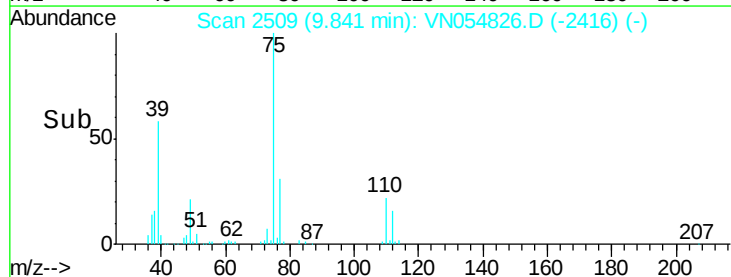
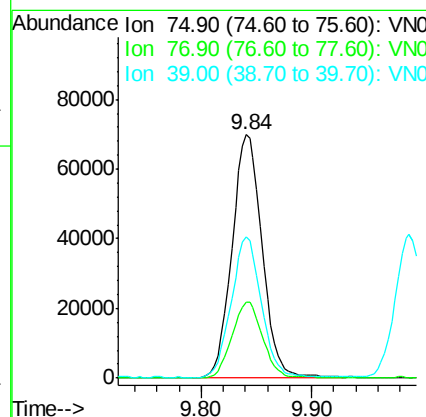
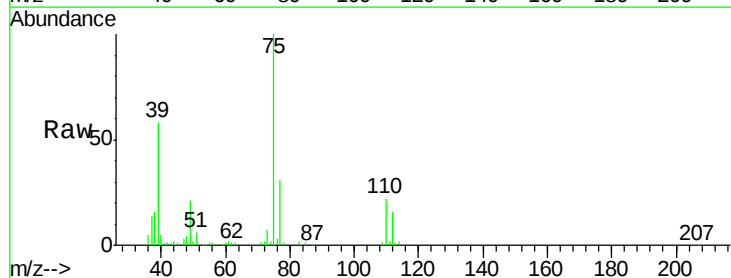
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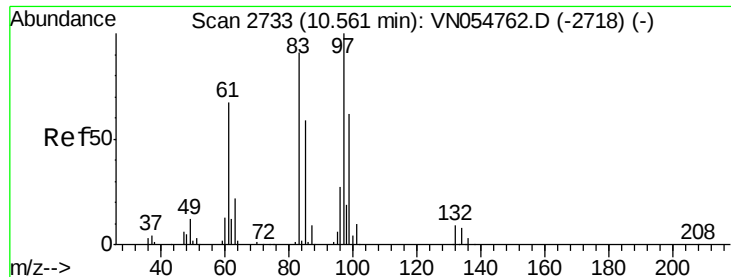
MMDadoda
 4/1/2019 1:31:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.142 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 75 Resp: 132782
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 57.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.915 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

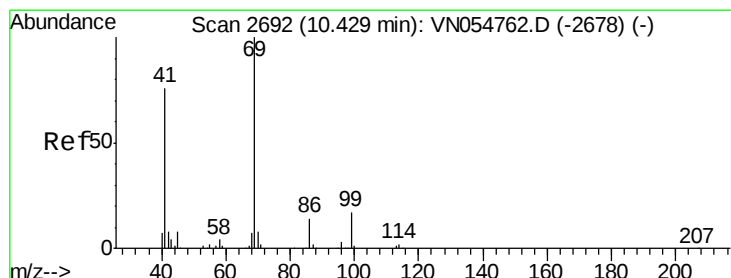
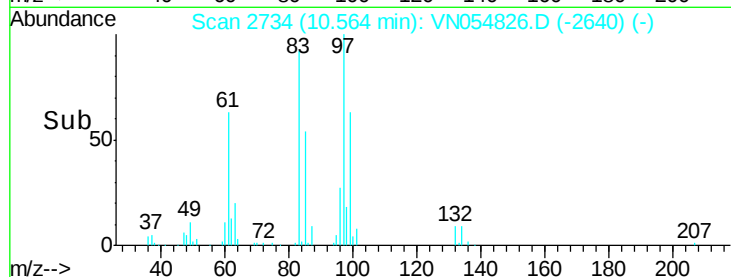
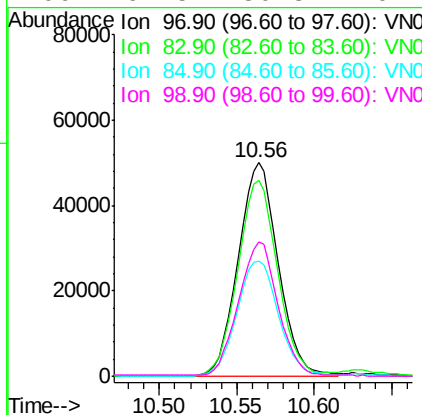
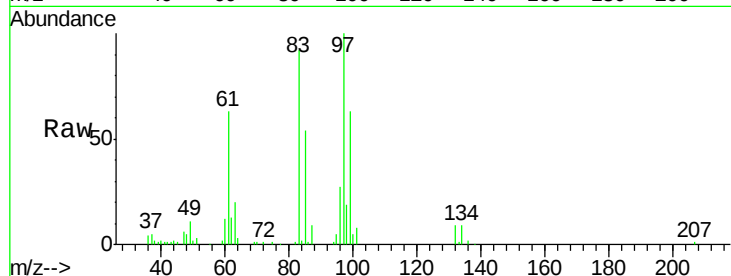
ClientSampleId :

VN0330WBS02

Tot Ion:	97	Resp:	89794
Ion	Ratio	Lower	Upper
97	100		
83	91.9	66.6	100.0
85	54.1	44.4	66.6
99	62.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 22.346 ug/l

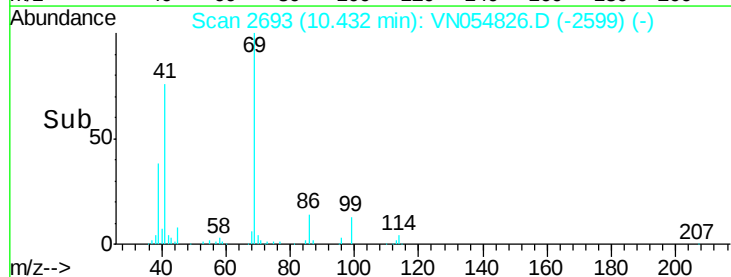
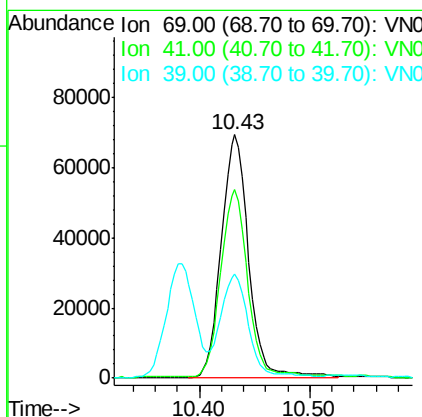
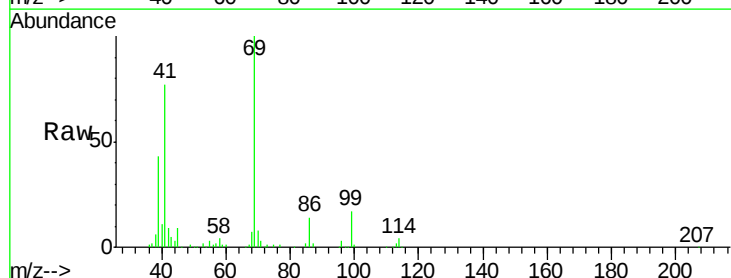
RT: 10.43 min Scan# 2693

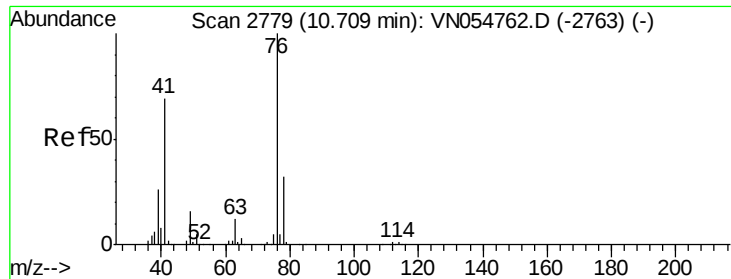
Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion:	69	Resp:	120105
Ion	Ratio	Lower	Upper
69	100		
41	74.3	49.4	74.2#
39	42.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 22.127 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 76 Resp: 155867

Ion Ratio Lower Upper

76 100

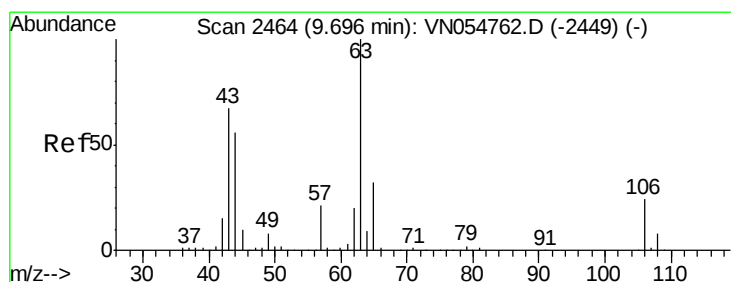
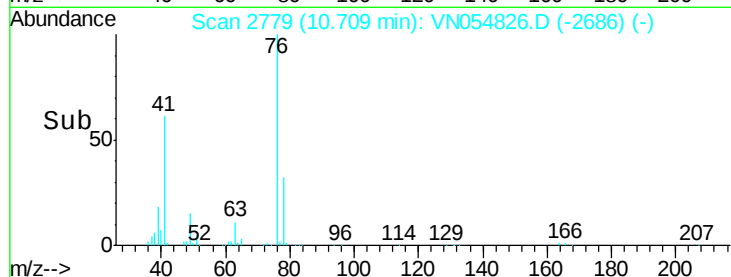
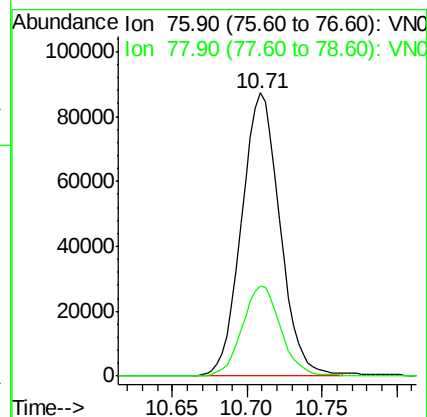
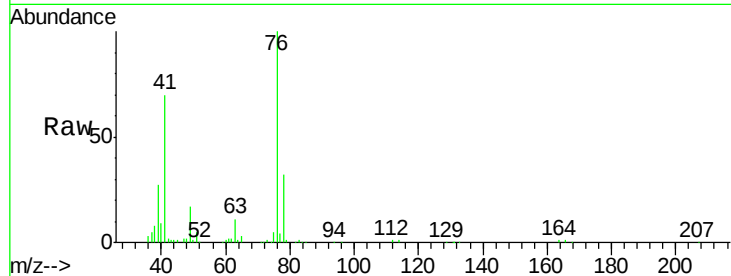
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 103.340 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054826.D

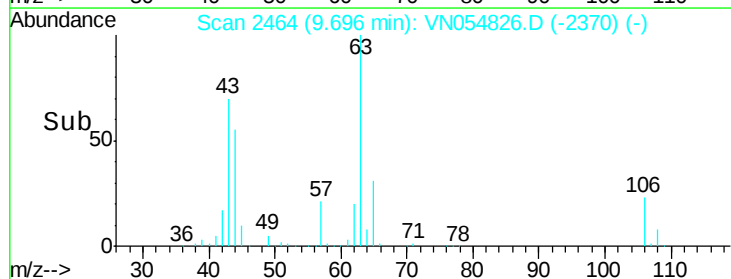
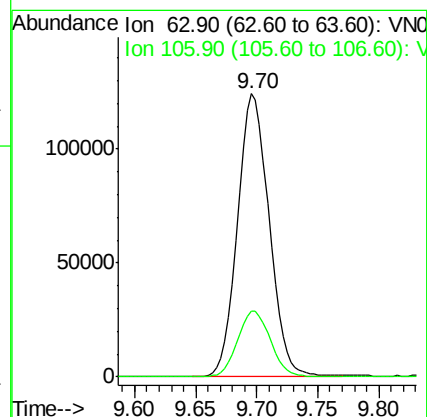
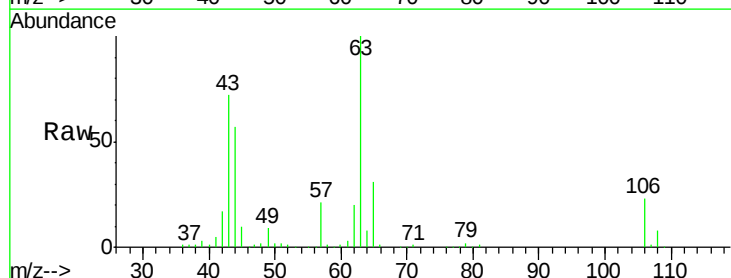
Acq: 31 Mar 2019 2:37

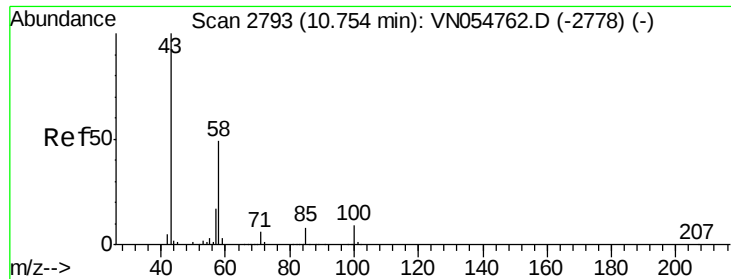
Tgt Ion: 63 Resp: 224586

Ion Ratio Lower Upper

63 100

106 24.2 24.4 36.6#





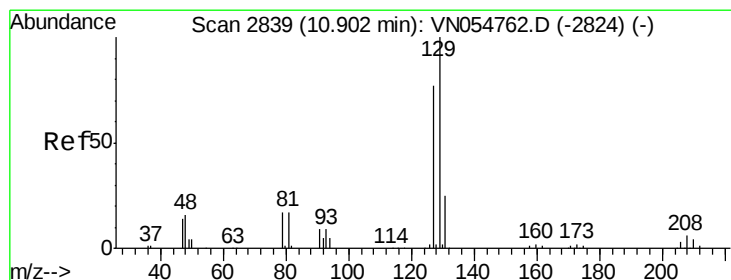
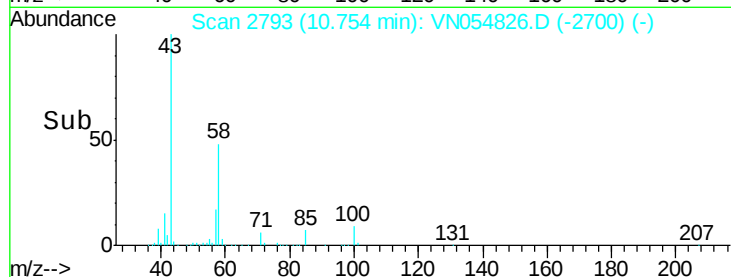
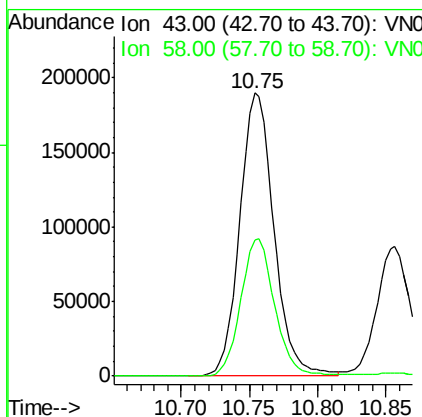
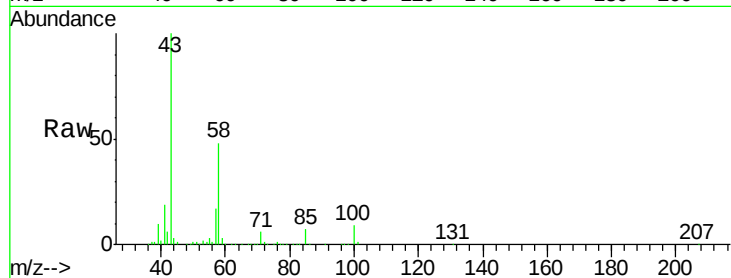
#59
2-Hexanone
Concen: 117.909 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	43	Resp	327251
Ion Ratio	100	Lower	Upper
43	100		
58	49.0	28.0	83.9

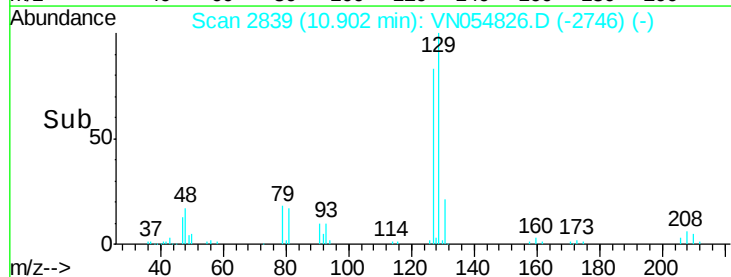
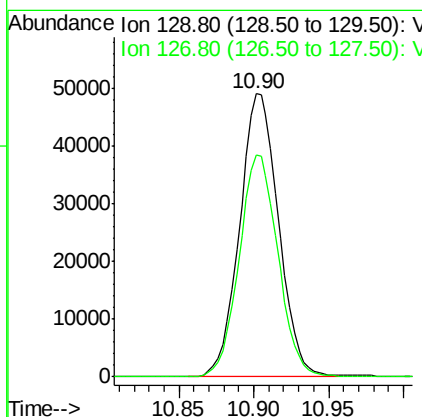
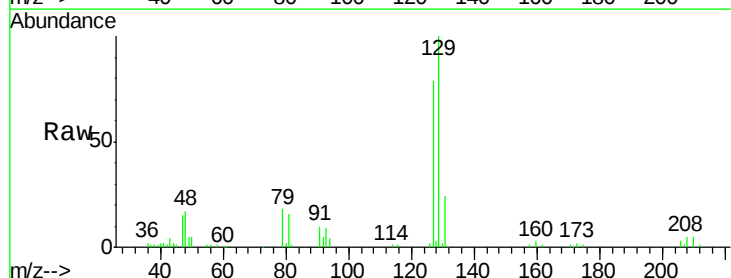
Manual Integrations
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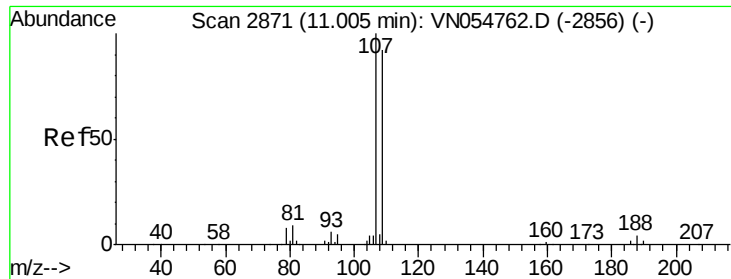
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#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	129	Resp	88841	
Ion Ratio	129	100	Lower	Upper
127	78.1	38.6	115.8	





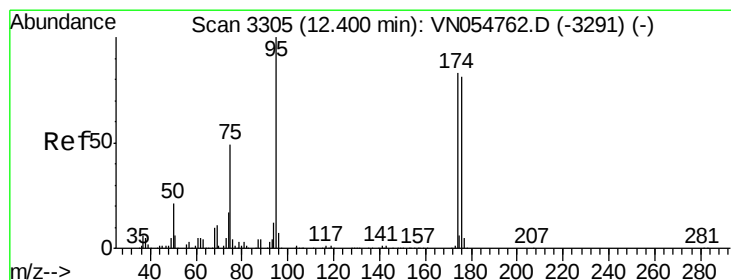
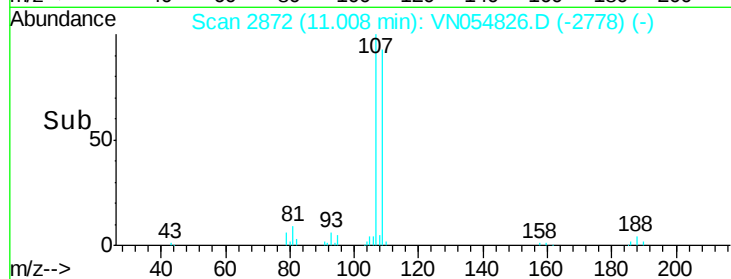
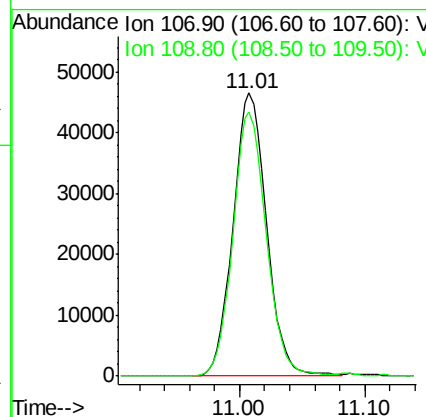
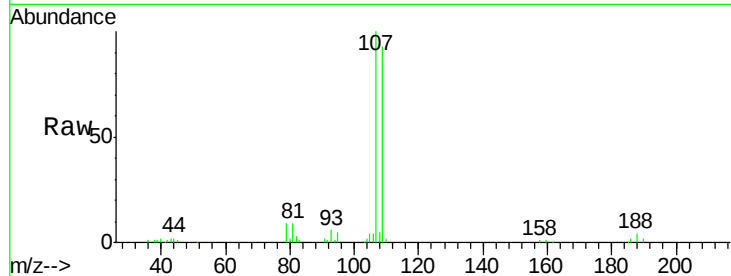
#61
 1,2-Dibromoethane
 Concen: 22.092 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.9	113.9

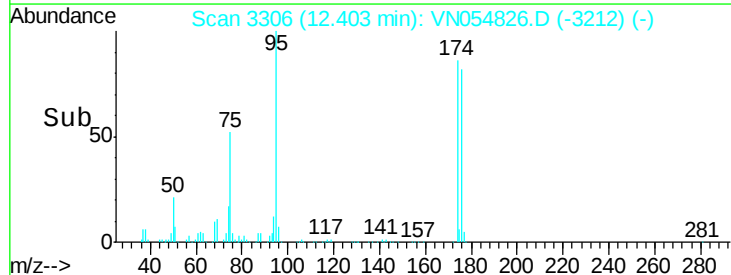
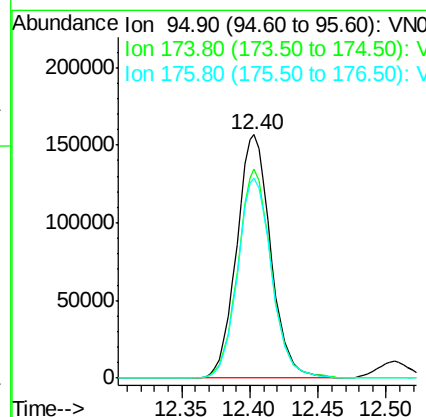
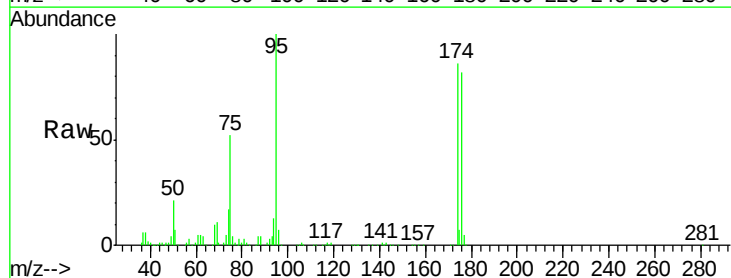
Manual Integrations
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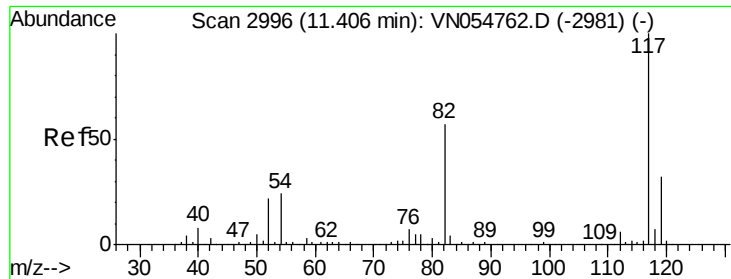
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 4/1/2019 1:31:47 PM



#62
 4-Bromofluorobenzene
 Concen: 47.359 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	191.0
176	82.0	0.0	187.4





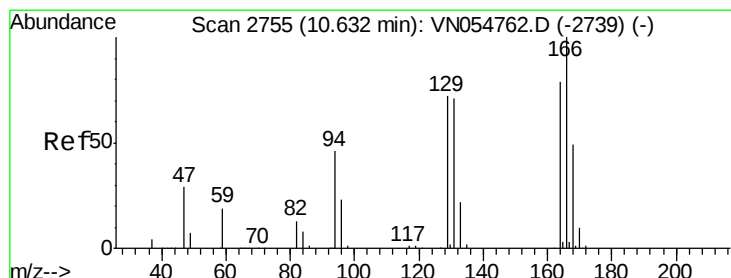
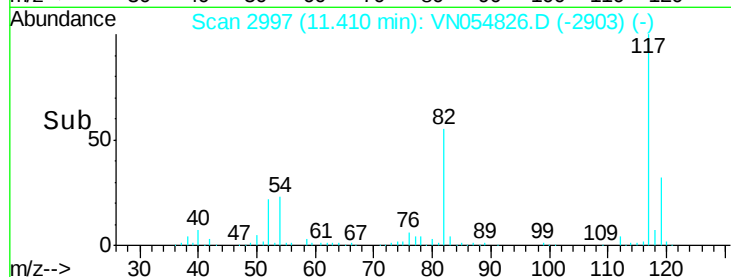
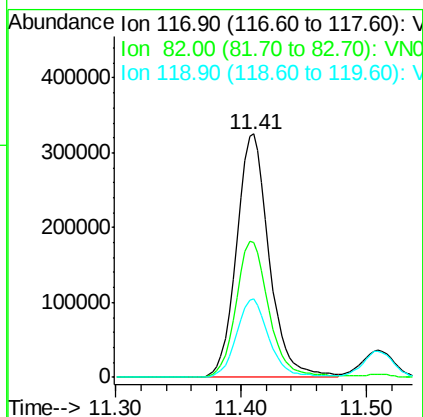
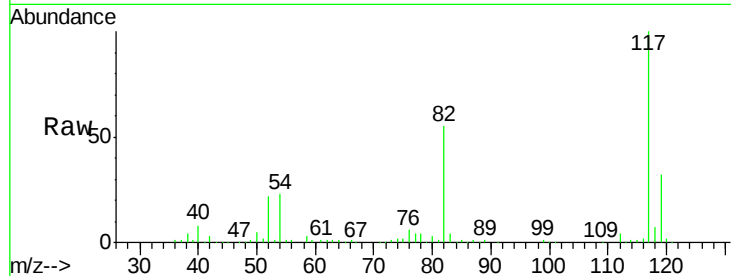
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	587218		
82	55.5	40.0	60.0	
119	32.3	25.8	38.6	

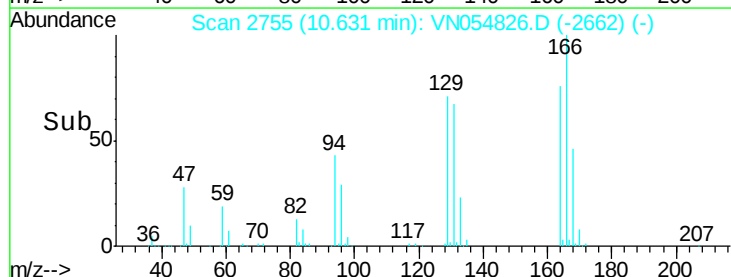
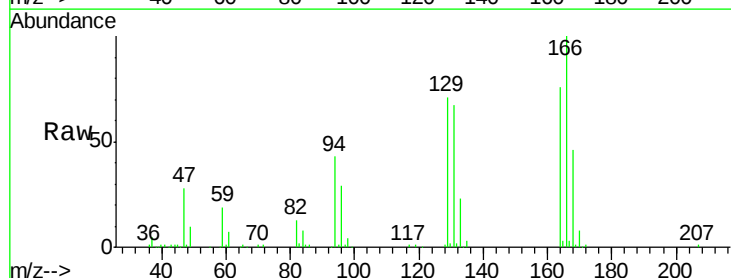
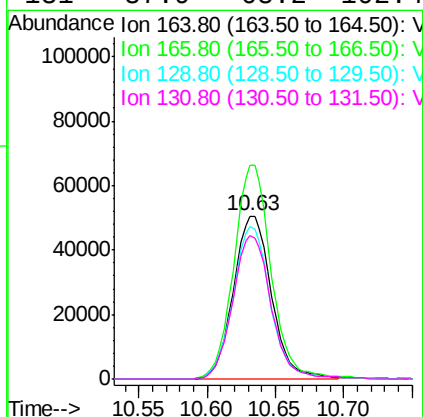
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#64
Tetrachloroethene
Concen: 21.723 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97888		
166	130.9	103.9	155.9	
129	93.3	71.1	106.7	
131	87.9	68.2	102.4	





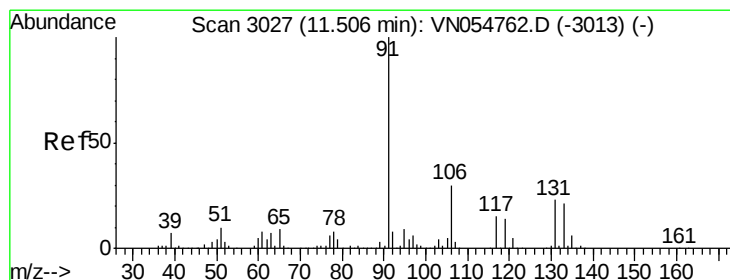
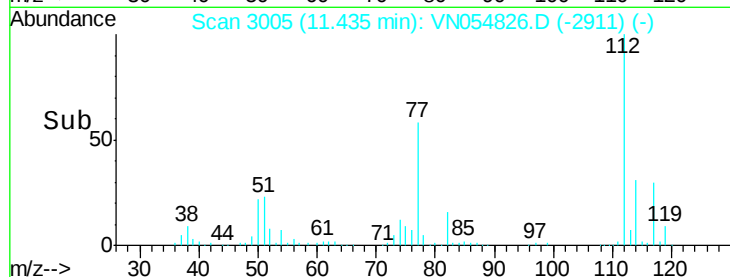
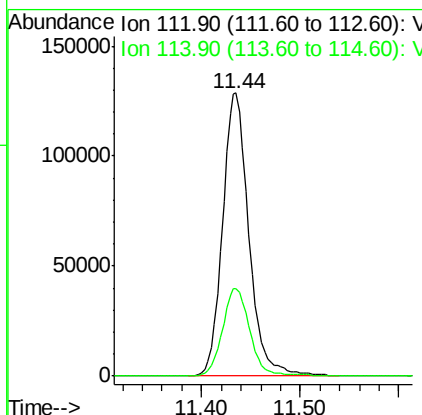
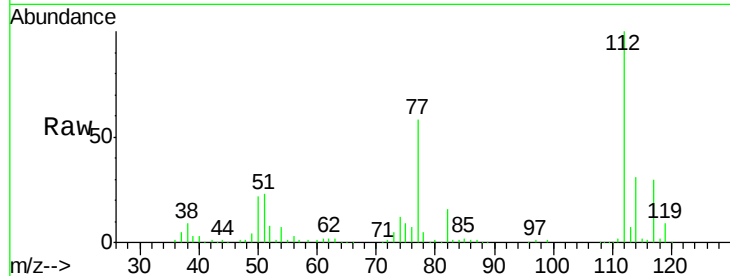
#65
Chlorobenzene
Concen: 20.997 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

Tot Ion:112 Resp: 241405
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

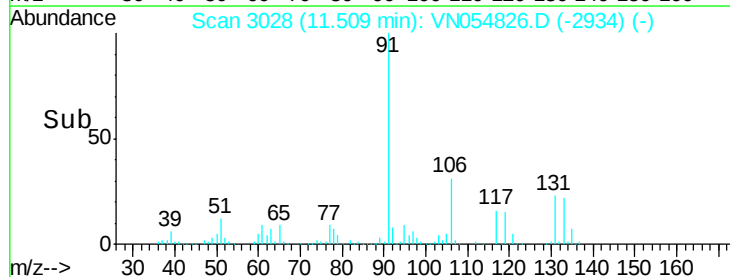
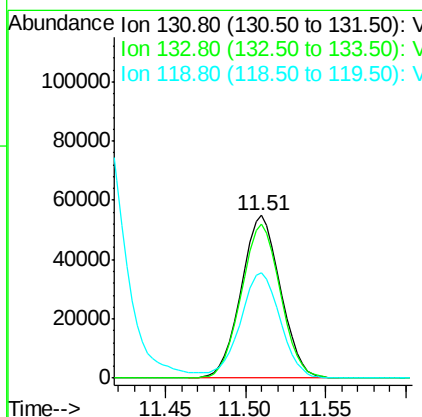
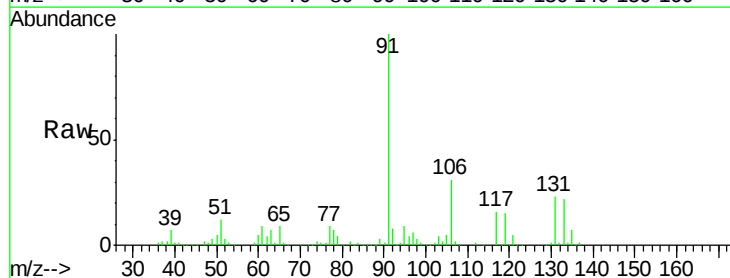
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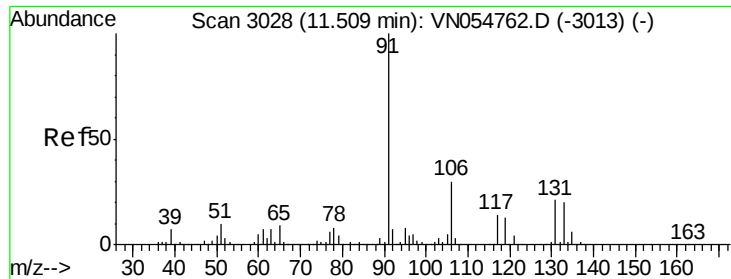
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:131 Resp: 91979
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 66.0 32.4 97.0





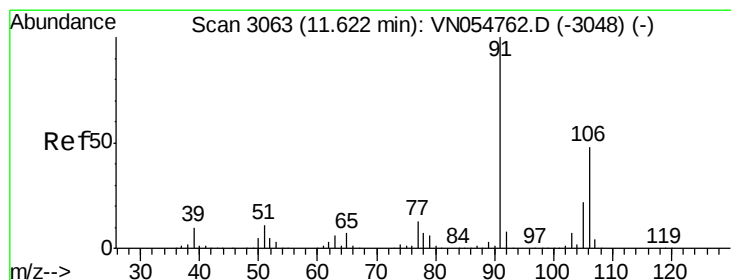
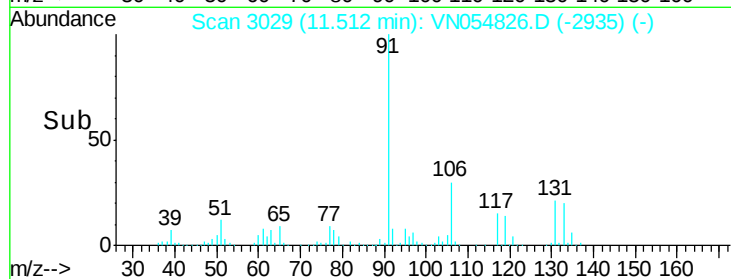
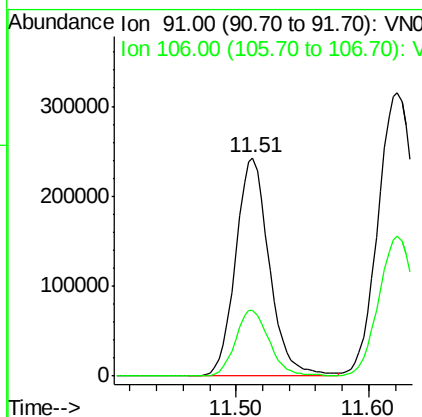
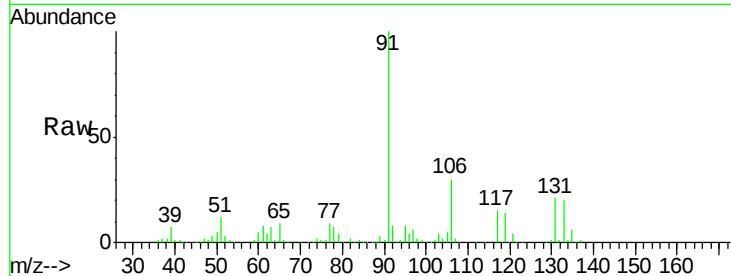
#67
Ethyl Benzene
Concen: 20.664 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 91 Resp: 428711
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

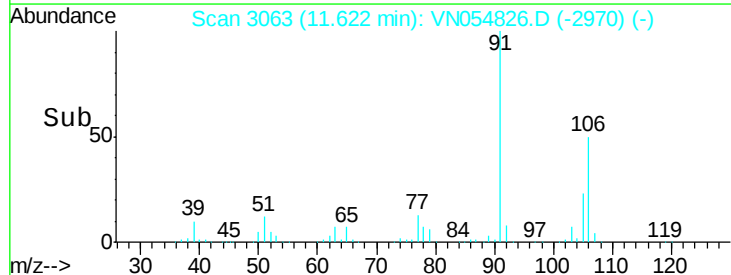
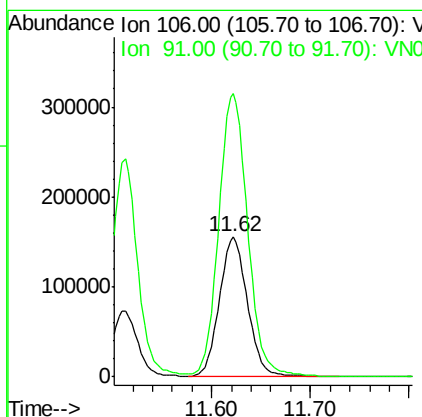
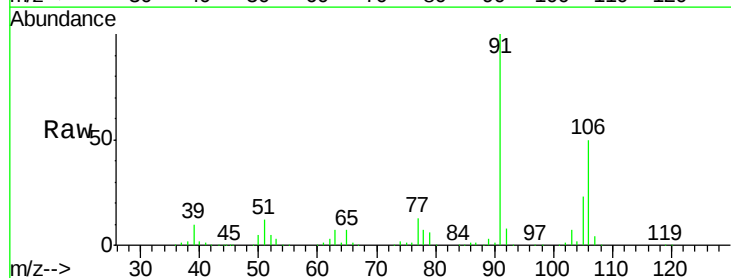
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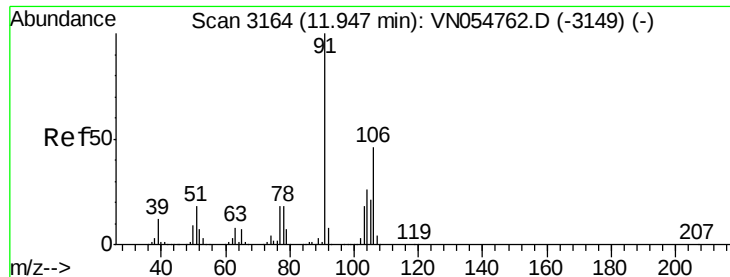
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#68
m/p-Xylenes
Concen: 40.788 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 106 Resp: 313159
Ion Ratio Lower Upper
106 100
91 207.1 159.4 239.2





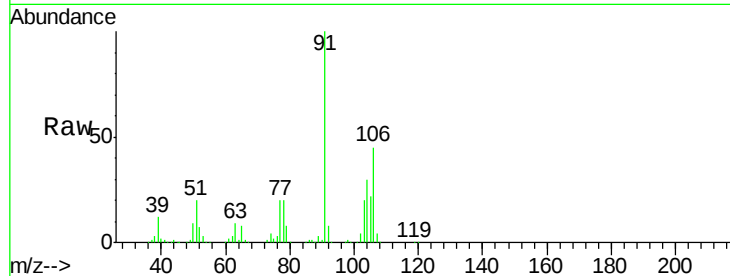
#69
o-Xylene
Concen: 20.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

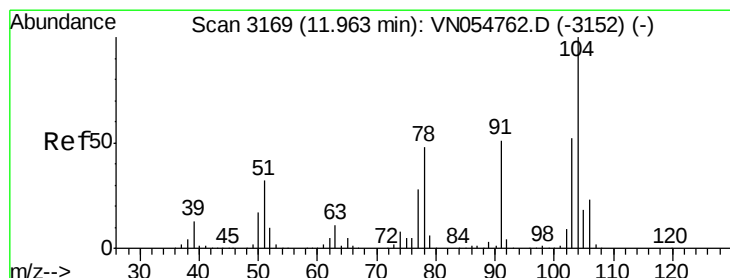
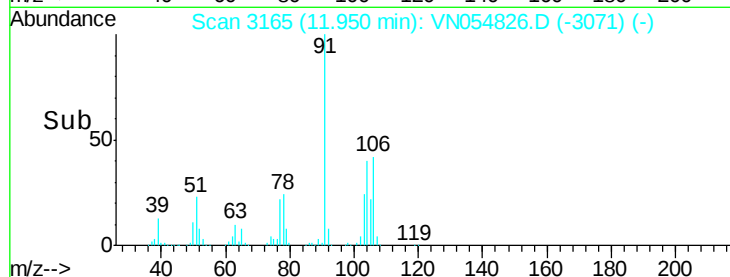
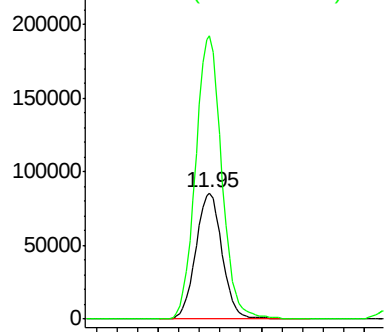
Tot Ion:106 Resp: 152832
Ion Ratio Lower Upper
106 100
91 222.9 105.7 317.1

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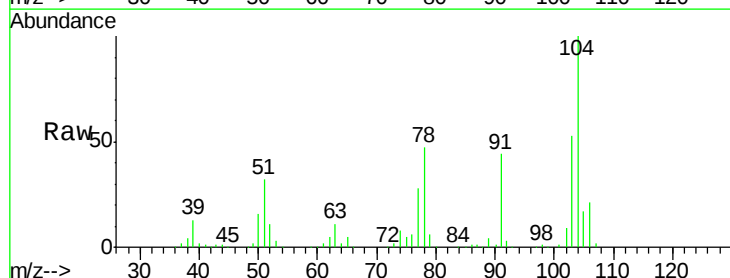


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

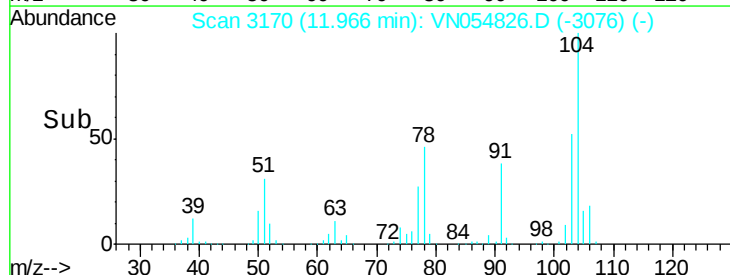
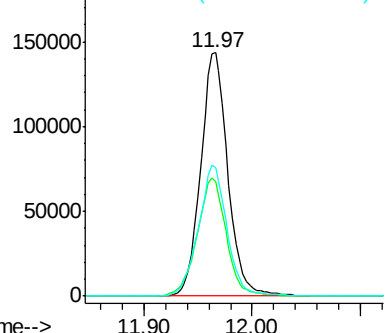


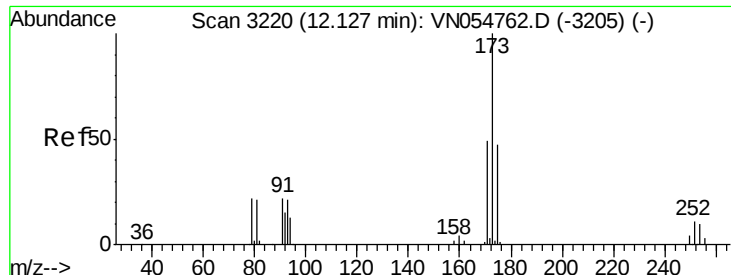
#70
Styrene
Concen: 20.914 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:104 Resp: 251762
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





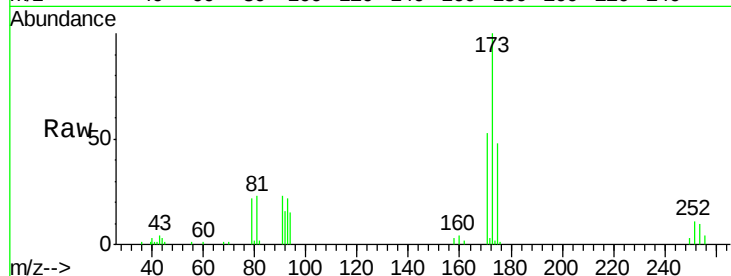
#71
Bromoform
Concen: 21.631 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

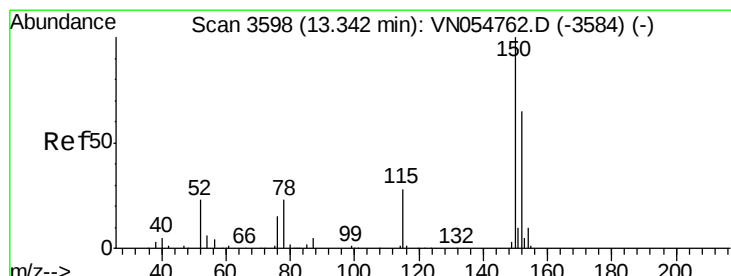
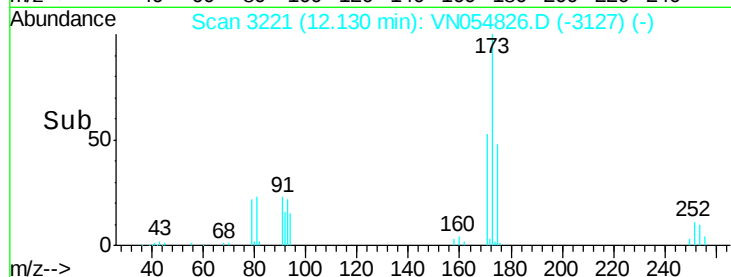
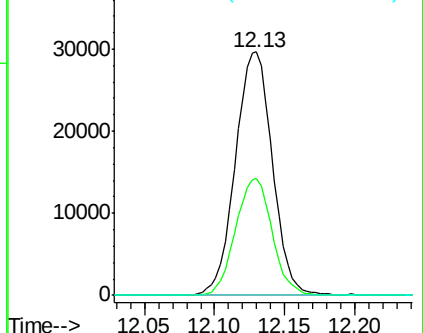
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.1	0.1#

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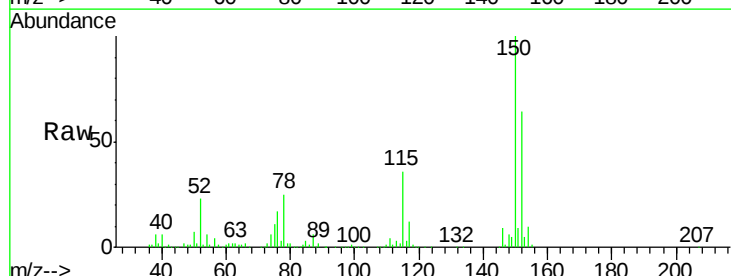


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

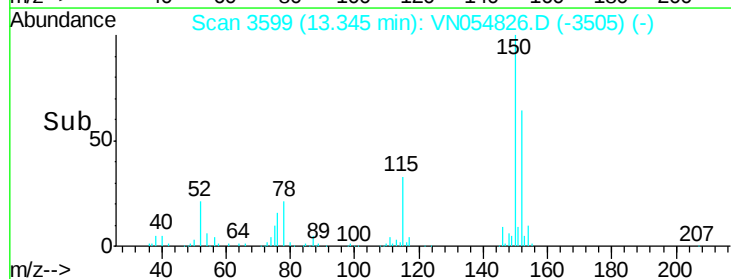
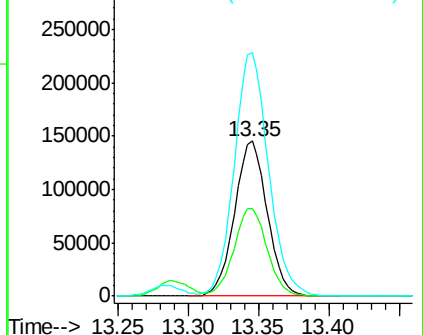


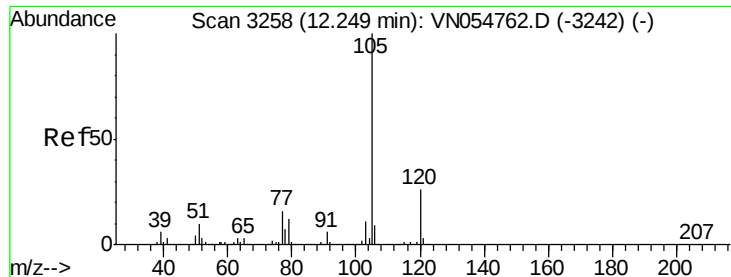
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.2	81.6
150	164.8	0.0	349.2



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





#73

Isopropylbenzene

Concen: 21.029 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 105 Resp: 405837

Ion Ratio Lower Upper

105 100

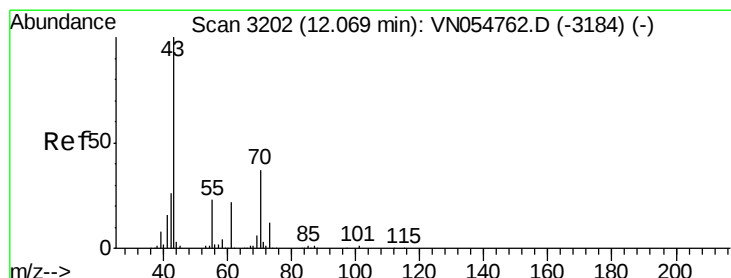
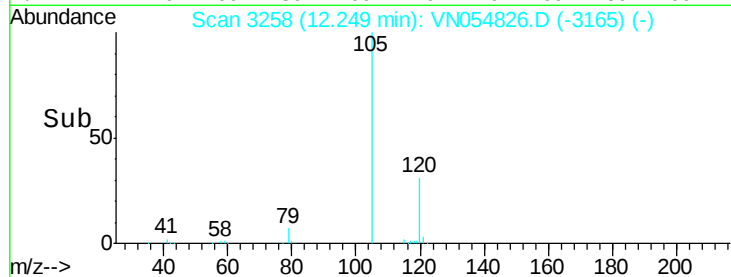
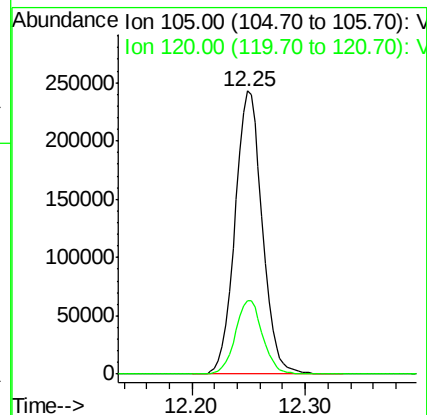
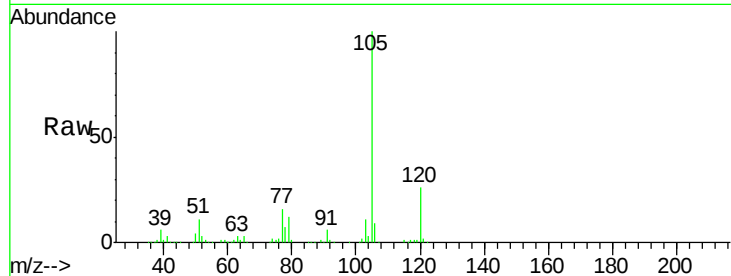
120 26.3 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.656 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 136218

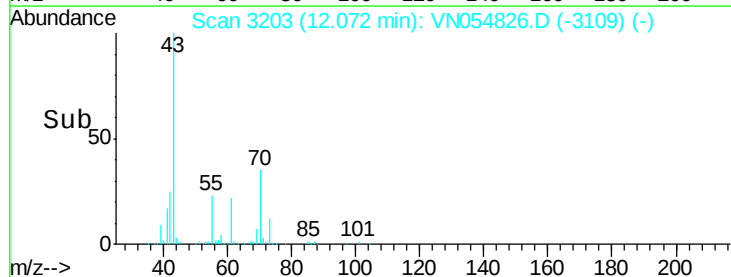
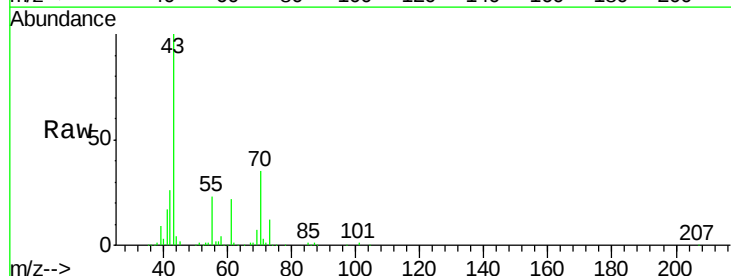
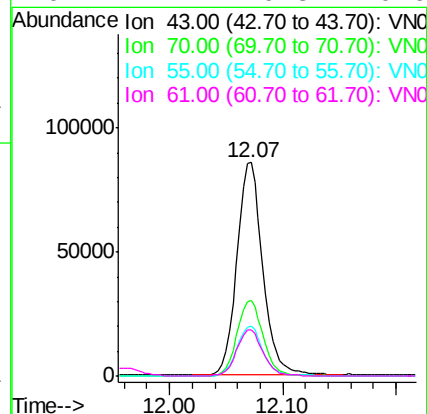
Ion Ratio Lower Upper

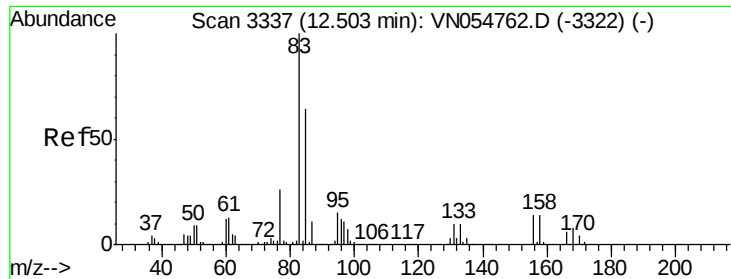
43 100

70 36.1 35.4 53.0

55 23.8 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 25.430 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

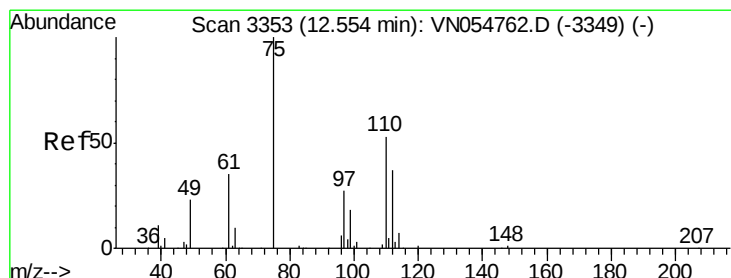
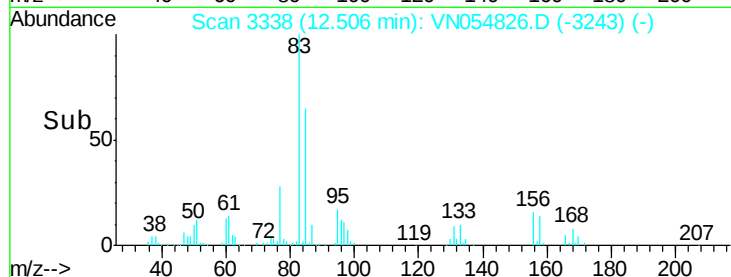
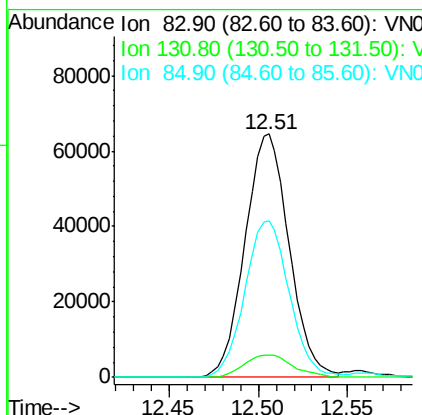
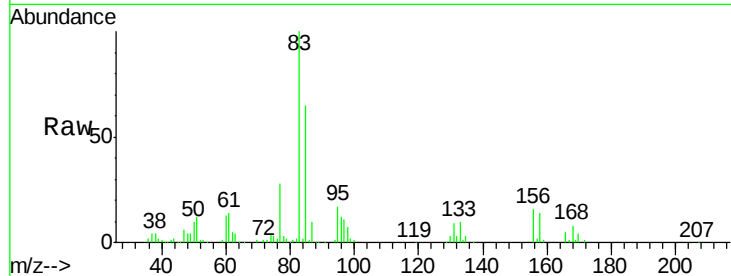
ClientSampleId :

VN0330WBS02

Tot Ion:	83	Resp:	111769
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.090 ug/l m

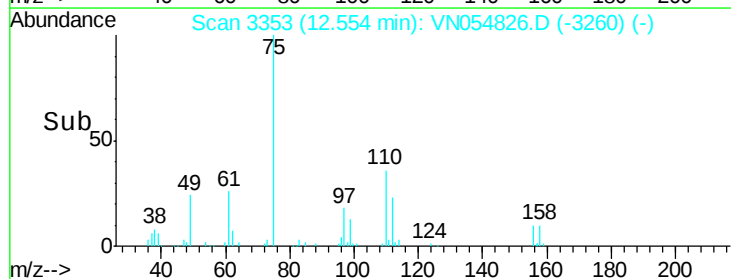
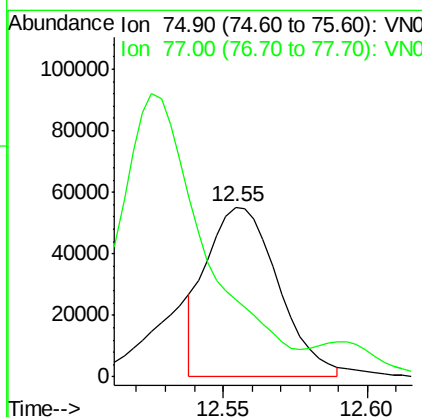
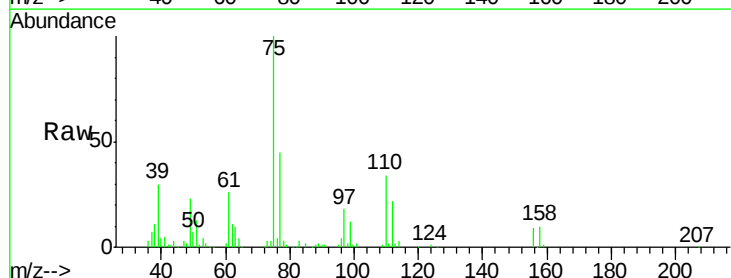
RT: 12.55 min Scan# 3353

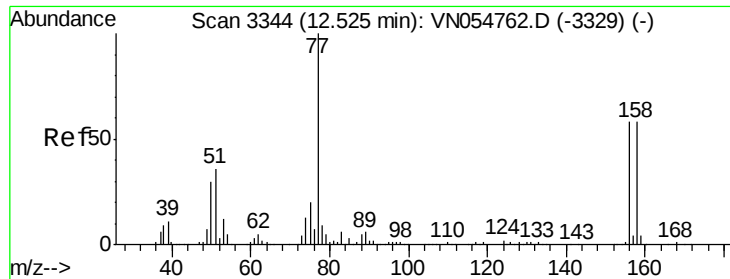
Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion:	75	Resp:	94712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion:156 Resp: 98586

Ion Ratio Lower Upper

156 100

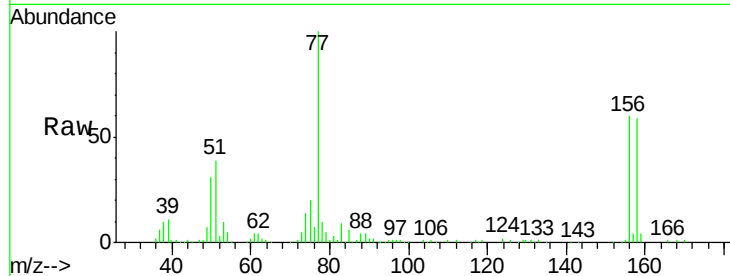
77 194.3 81.5 244.4

158 97.1 49.0 147.2

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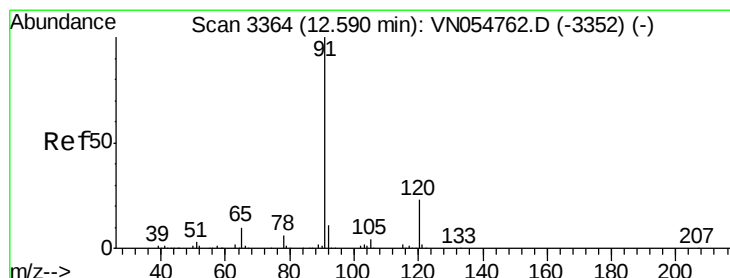
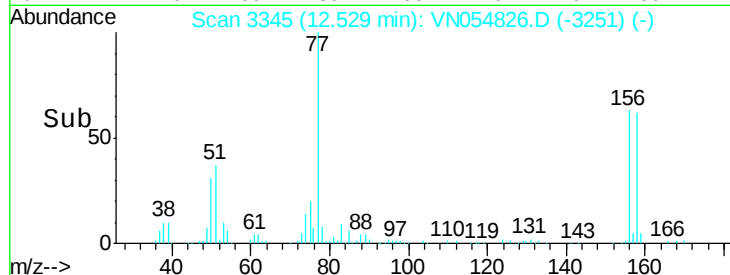
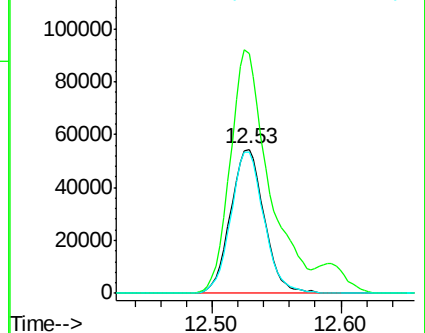
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.716 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054826.D

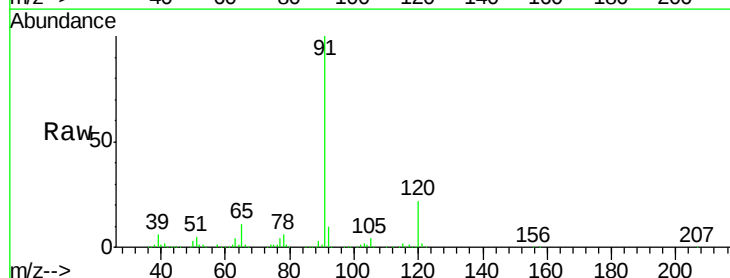
Acq: 31 Mar 2019 2:37

Tgt Ion: 91 Resp: 439420

Ion Ratio Lower Upper

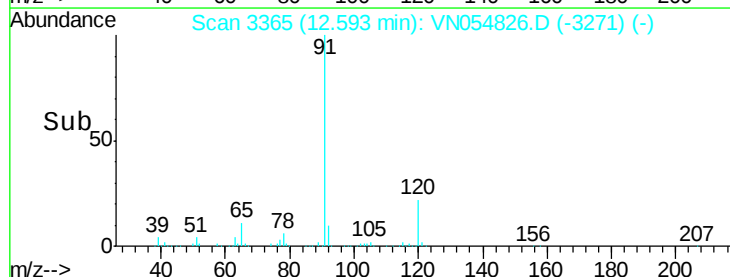
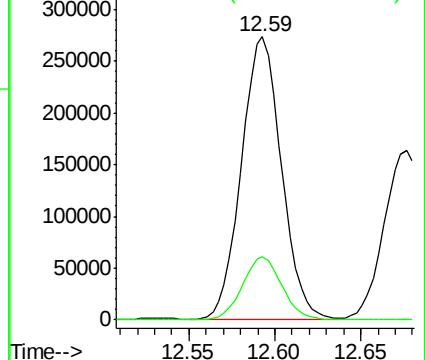
91 100

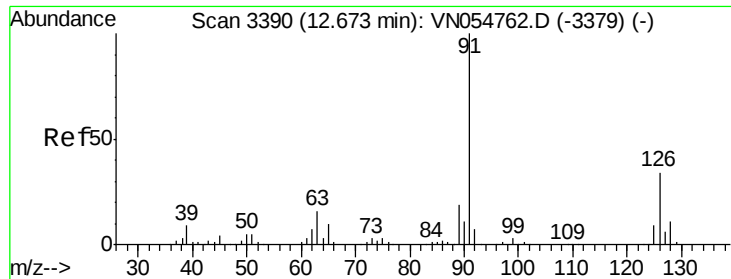
120 22.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.160 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

VN0330WBS02

Tot Ion: 91 Resp: 277681

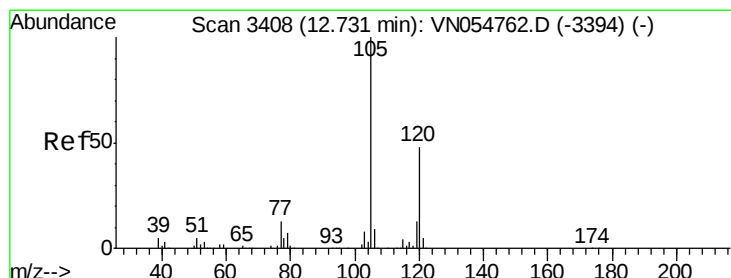
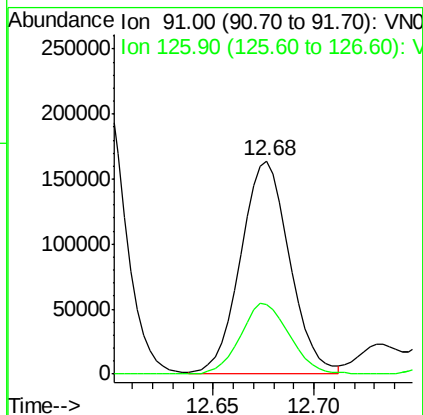
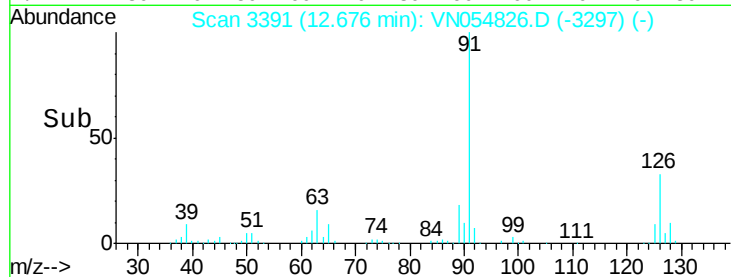
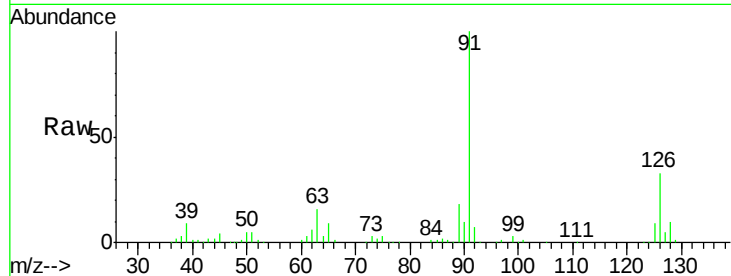
Ion Ratio Lower Upper

91 100

126 33.6 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.430 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054826.D

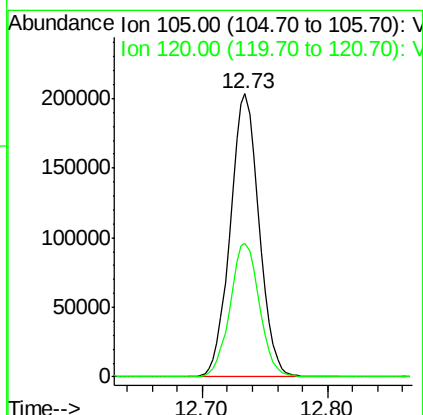
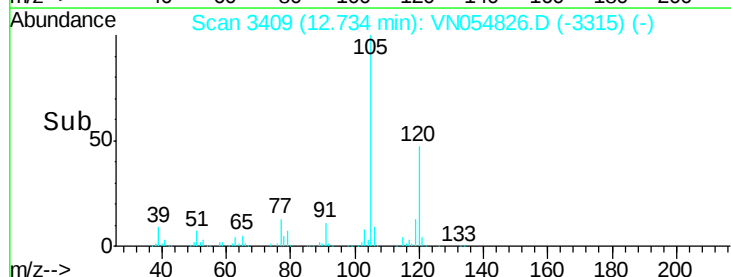
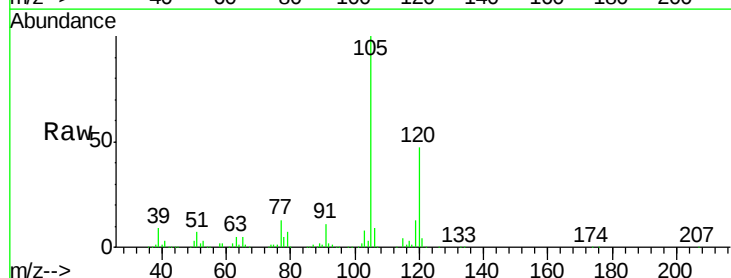
Acq: 31 Mar 2019 2:37

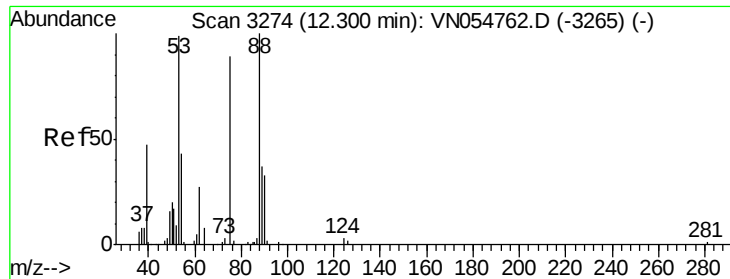
Tgt Ion: 105 Resp: 323519

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.231 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

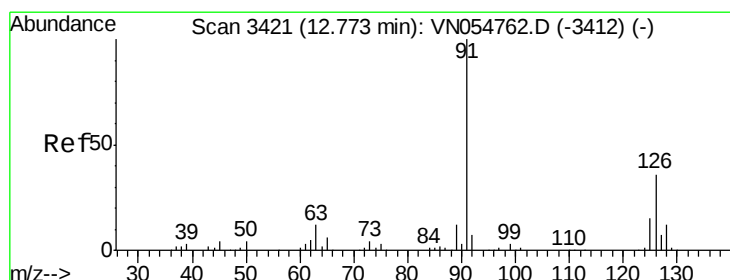
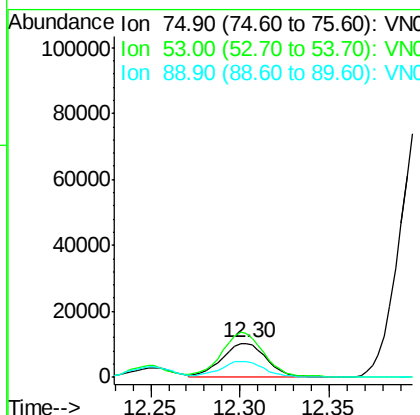
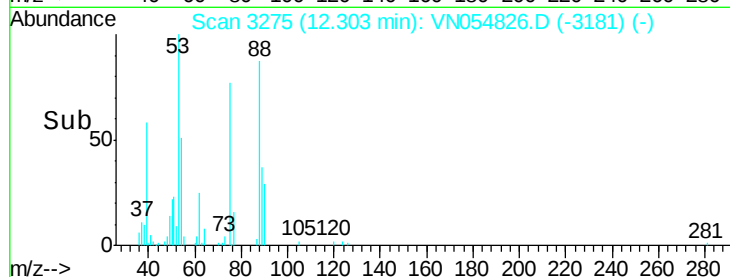
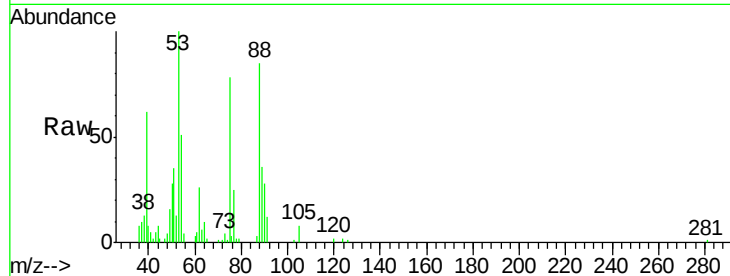
ClientSampleId :

VN0330WBS02

Tot Ion:	75	Resp:	18171
Ion Ratio	Lower	Upper	
75	100		
53	125.0	76.2	114.2#
89	46.2	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.355 ug/l

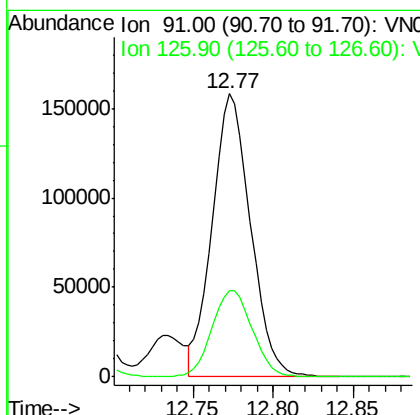
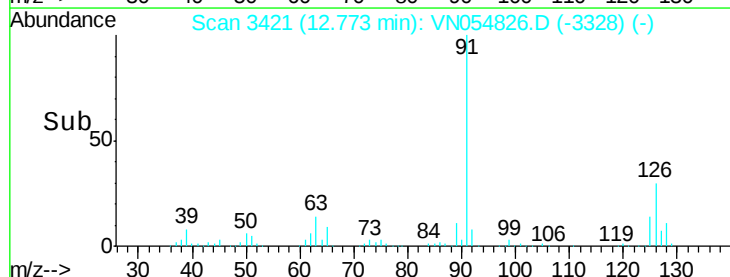
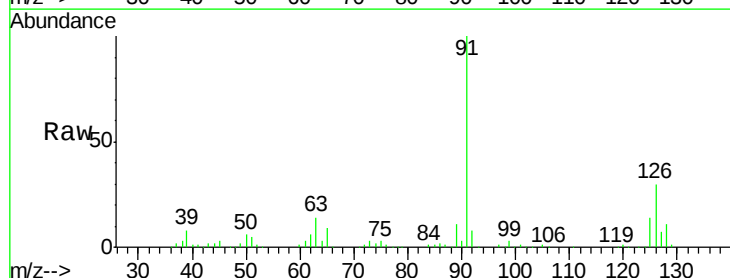
RT: 12.77 min Scan# 3421

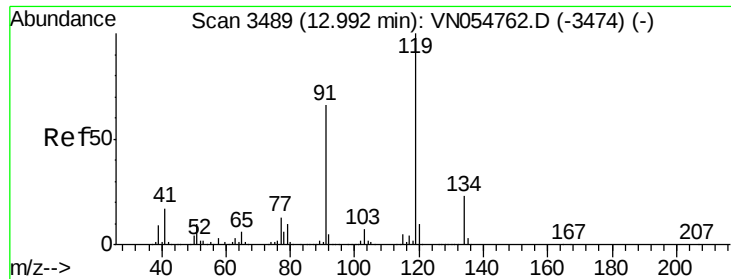
Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion:	91	Resp:	259451
Ion Ratio	Lower	Upper	
91	100		
126	32.5	18.1	54.1





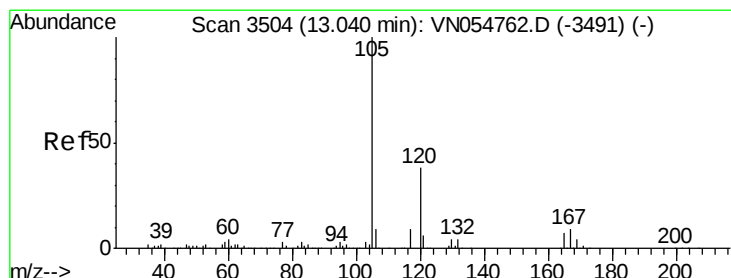
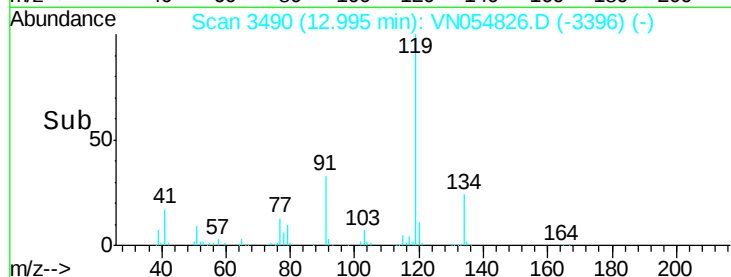
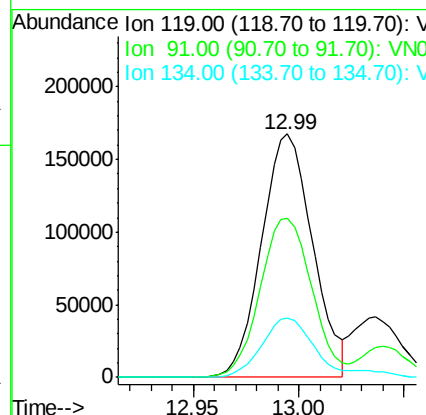
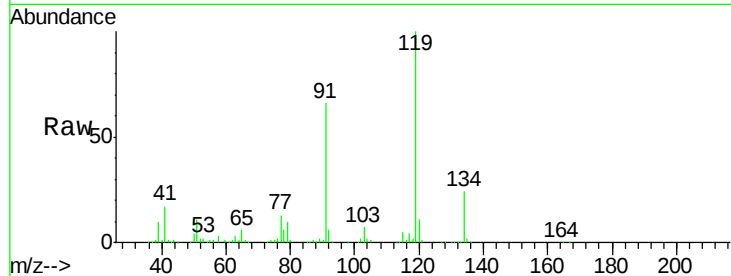
#83
 tert-Butylbenzene
 Concen: 21.906 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283166		
91	66.4		30.9	92.8
134	26.5		13.2	39.6

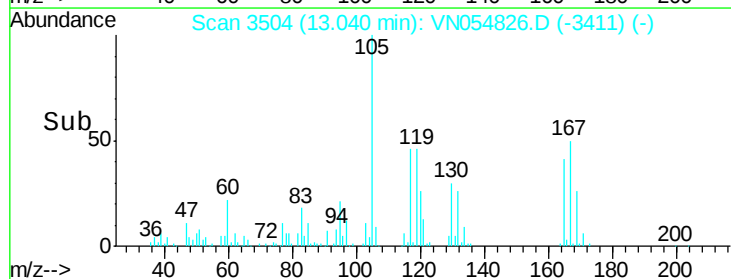
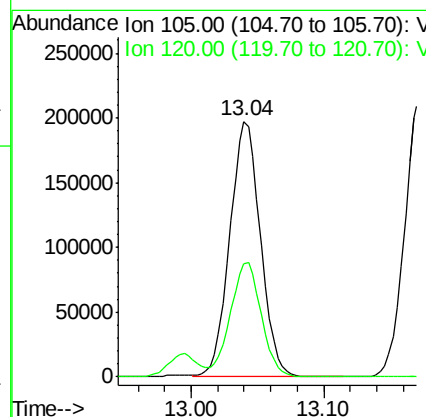
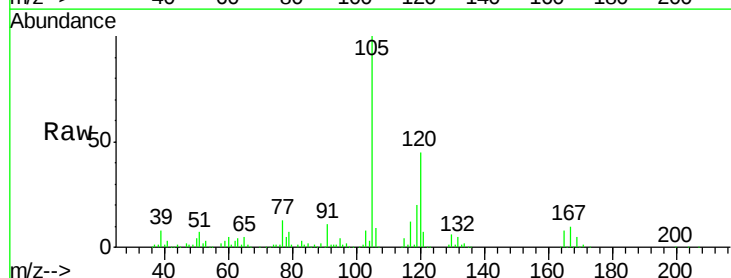
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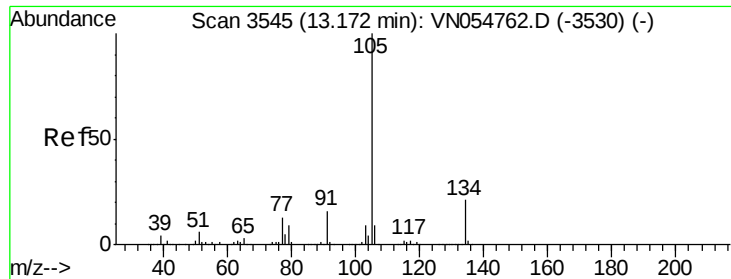
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.984 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	316568		
120	45.4		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.279 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion:105 Resp: 348848

Ion Ratio Lower Upper

105 100

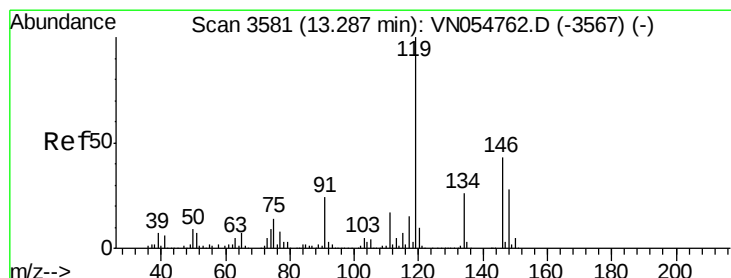
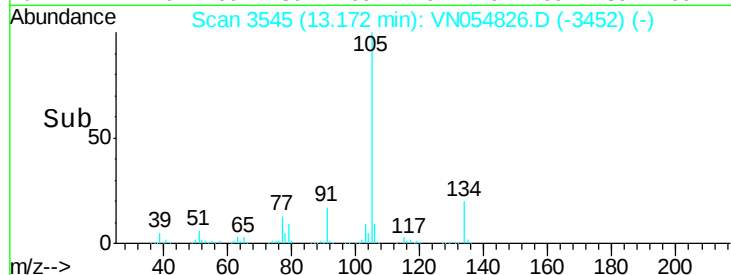
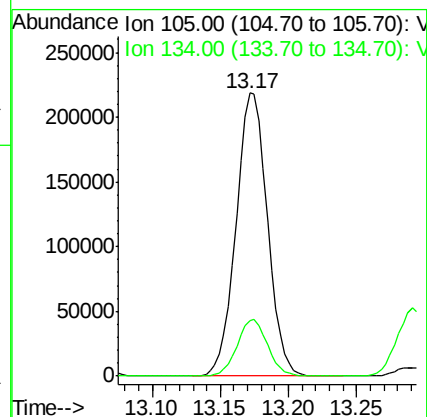
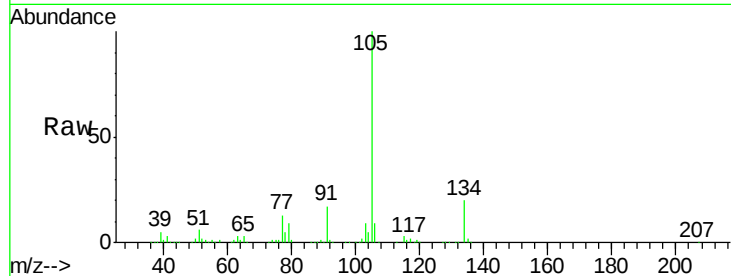
134 19.4 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.547 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

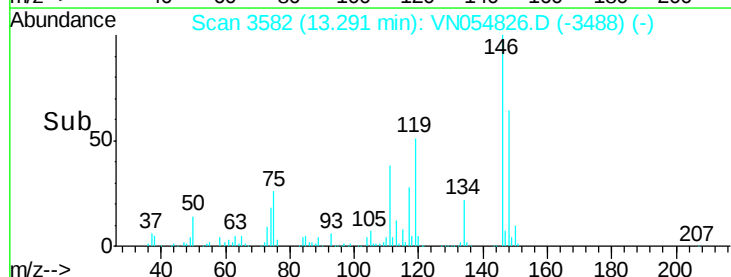
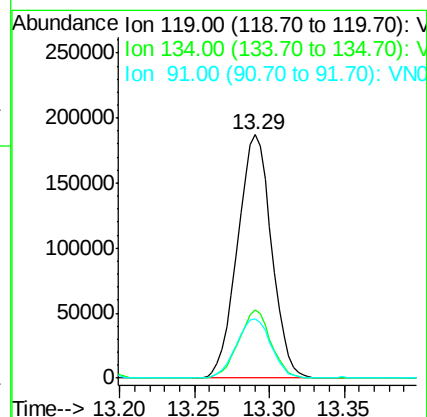
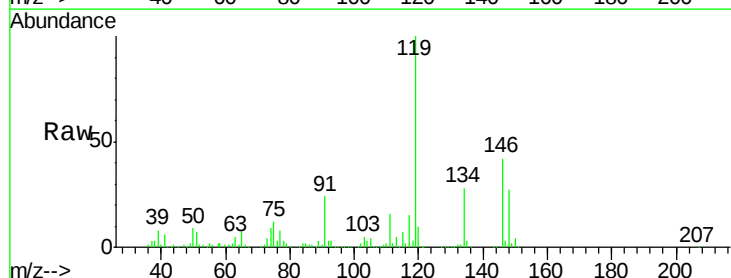
Tgt Ion:119 Resp: 296566

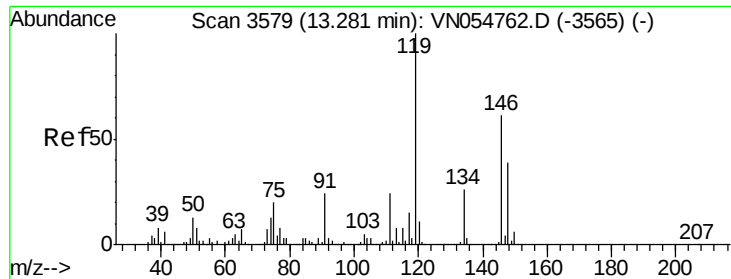
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 25.0 11.1 33.3





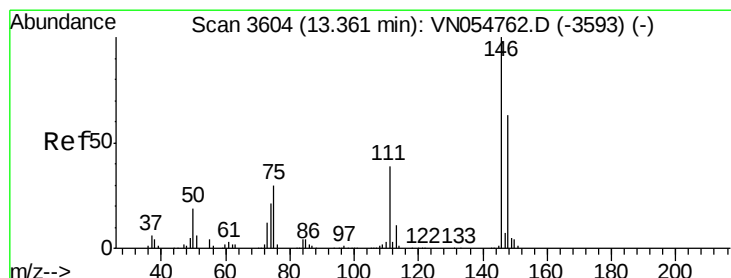
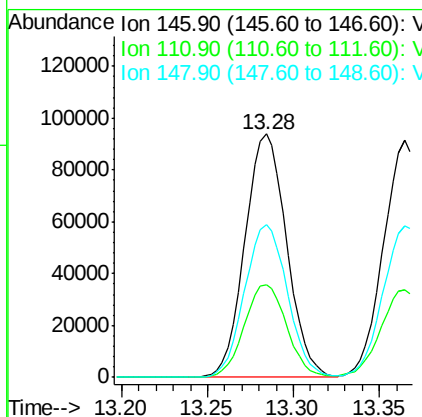
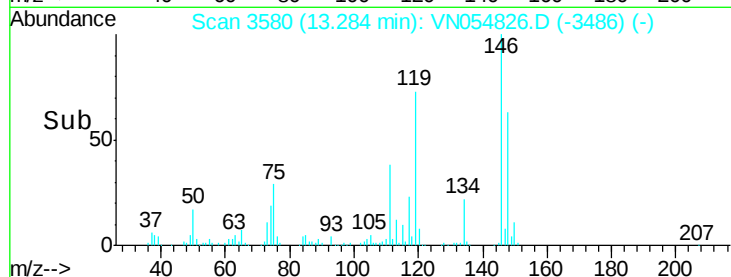
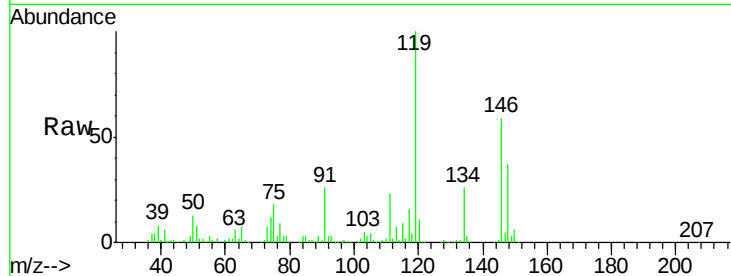
#87
 1,3-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158741		
111	38.5	18.8	56.3	
148	64.2	32.2	96.6	

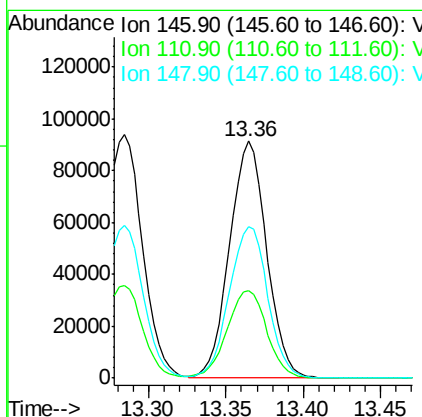
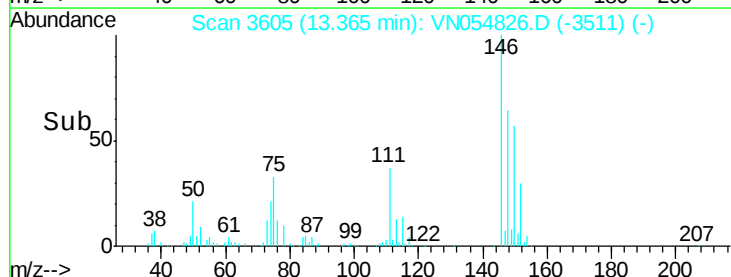
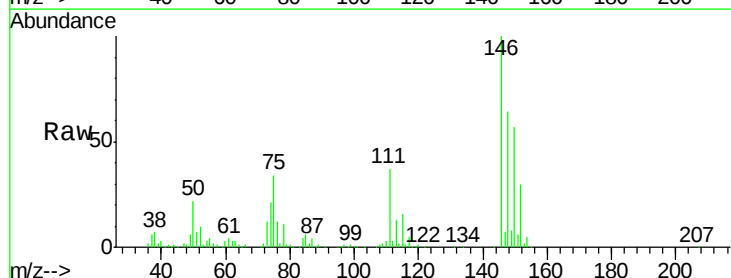
Manual Integrations
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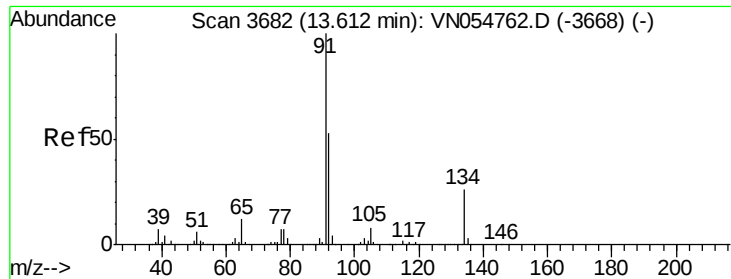
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 4/1/2019 1:31:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151734		
111	39.7	18.1	54.1	
148	66.6	32.0	96.0	





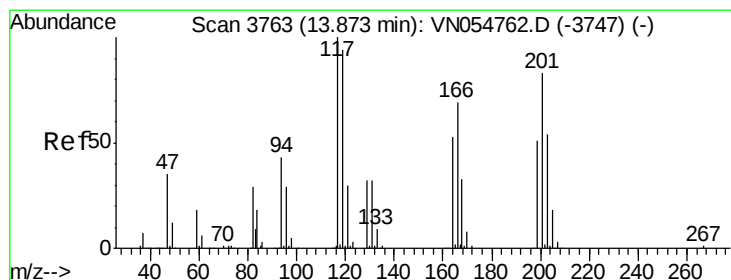
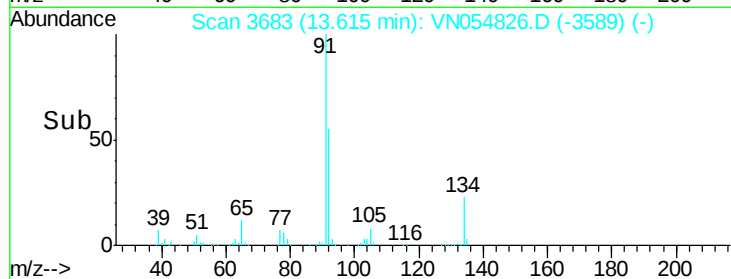
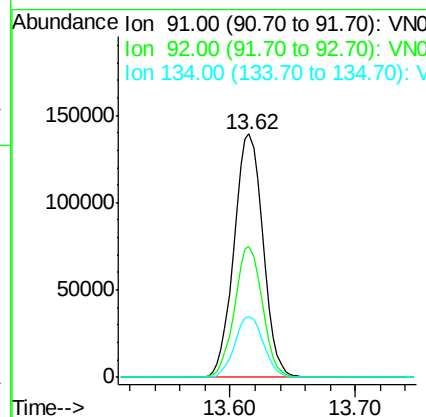
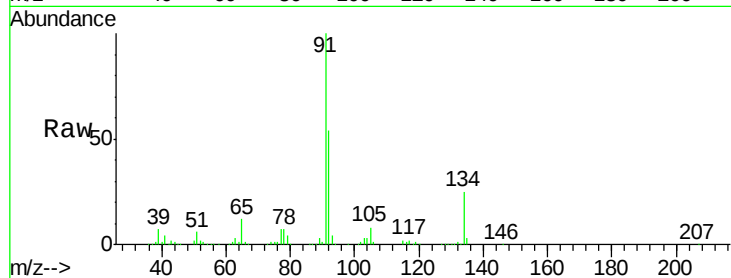
#89
n-Butylbenzene
Concen: 18.028 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.6
134	24.9	14.3	42.9

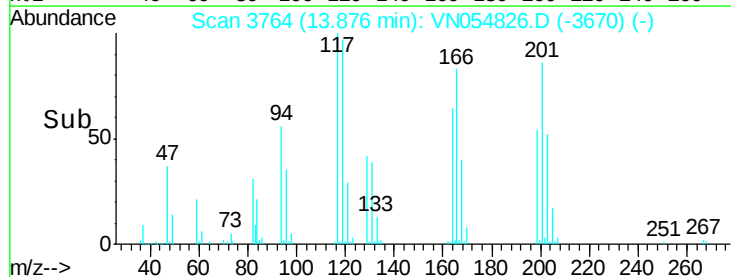
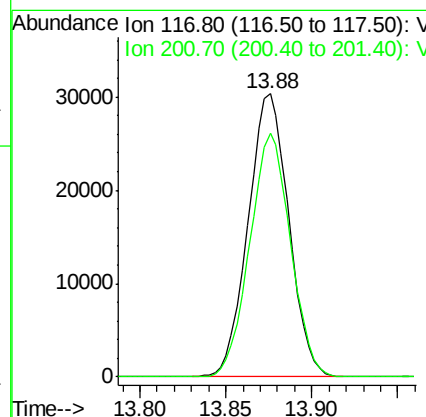
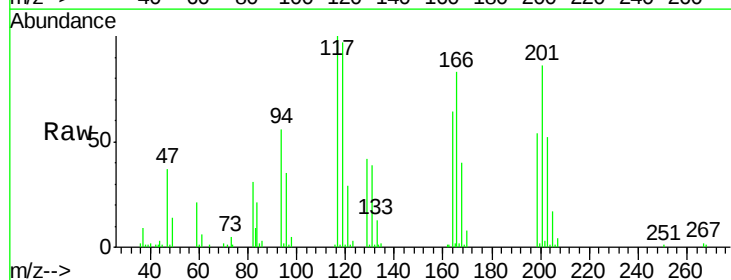
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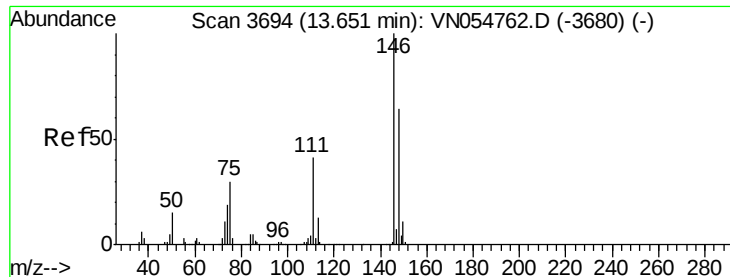
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#90
Hexachloroethane
Concen: 19.288 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	48.1	144.4





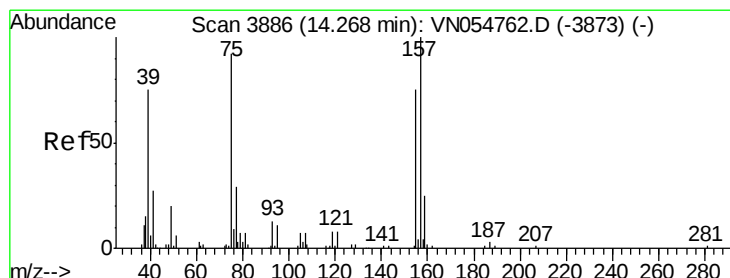
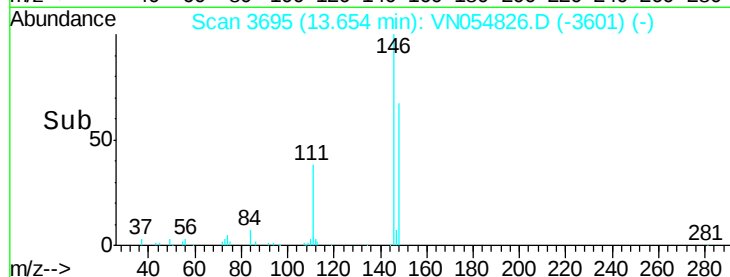
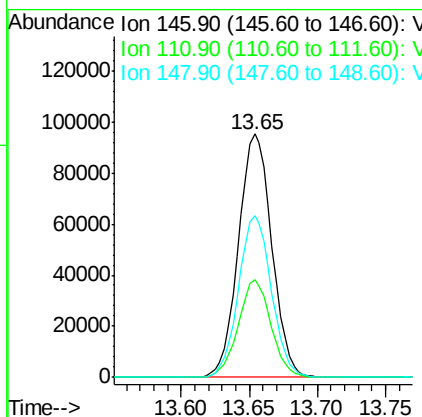
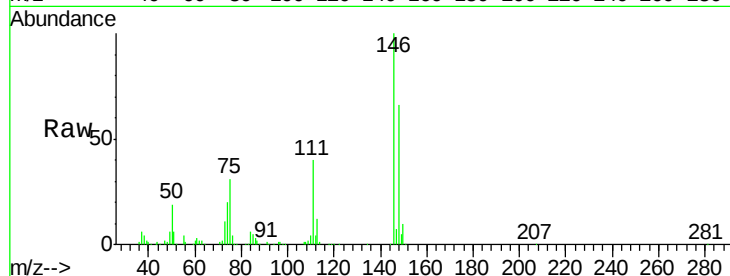
#91
 1,2-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	65.4	32.4	97.0

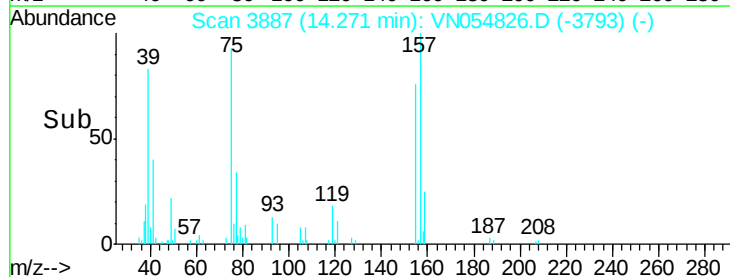
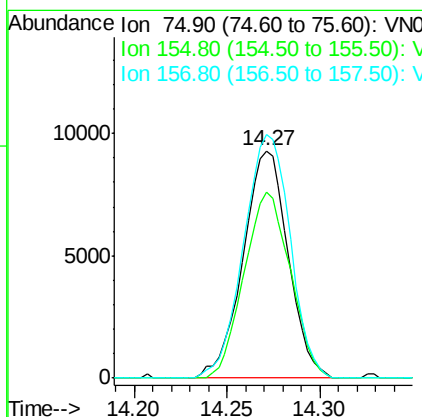
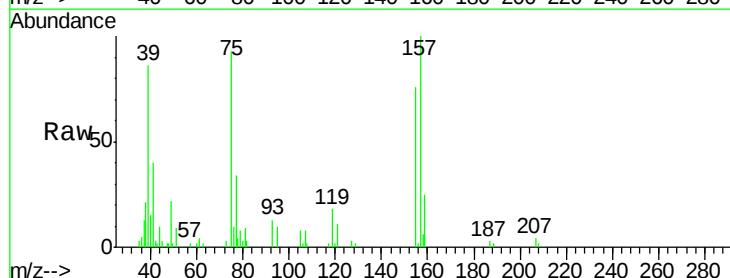
Manual Integrations
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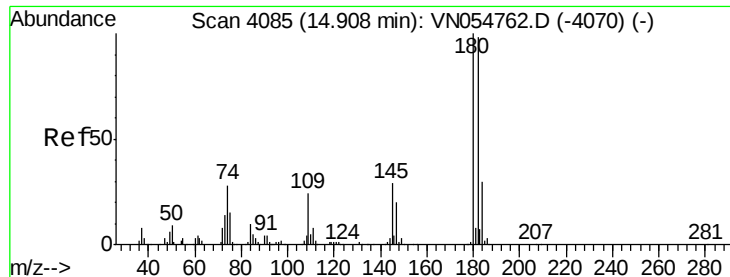
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.805 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.1	150.3
157	110.5	63.1	189.3





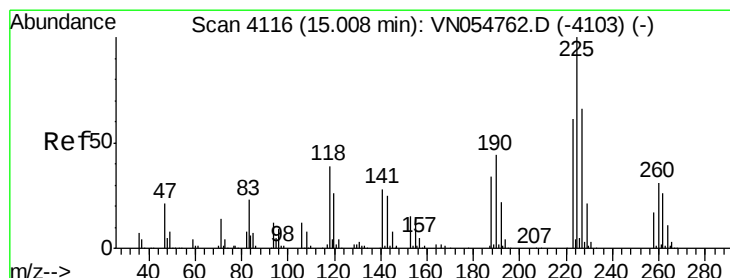
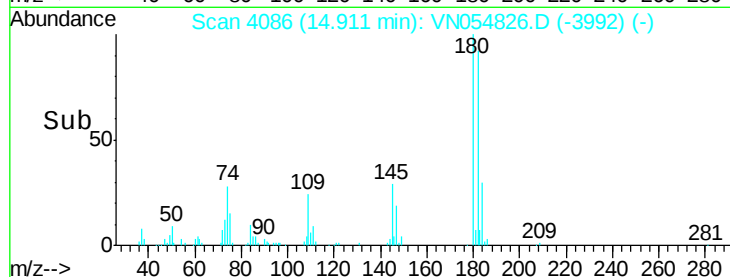
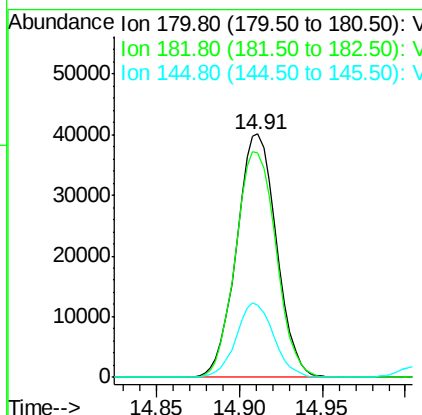
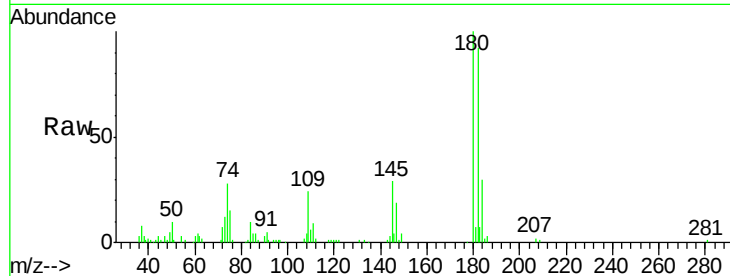
#93
 1,2,4-Trichlorobenzene
 Concen: 17.643 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	28.8	14.2	42.8

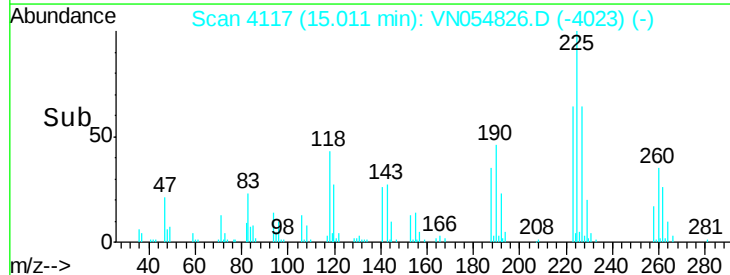
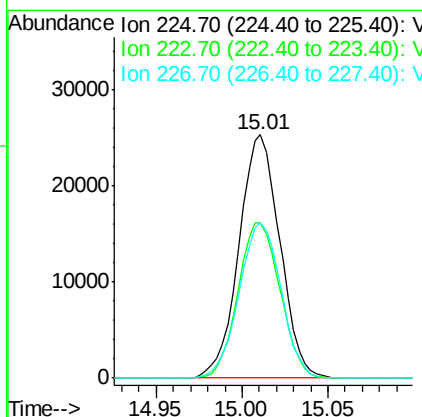
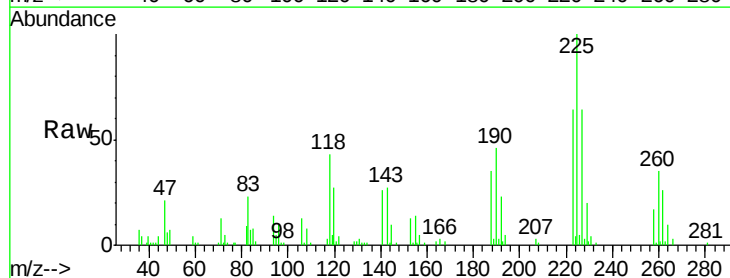
Manual Integrations
 APPROVED

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#94
 Hexachlorobutadiene
 Concen: 17.221 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.1	93.5
227	65.3	31.9	95.9





#95

Naphthalene

Concen: 19.369 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

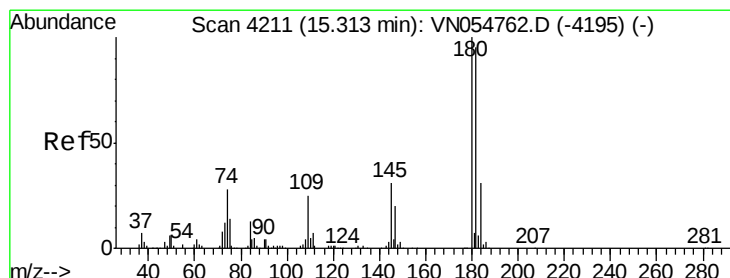
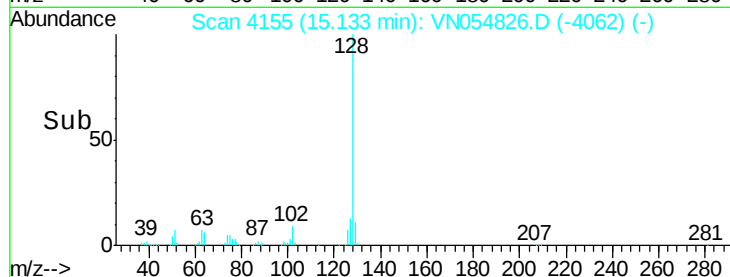
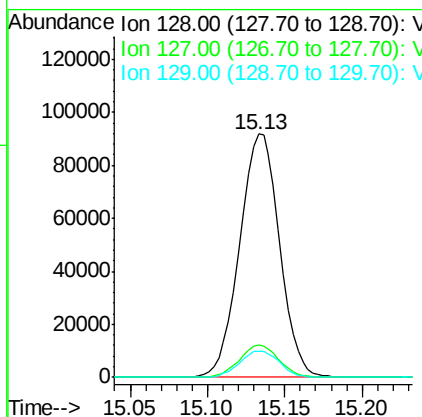
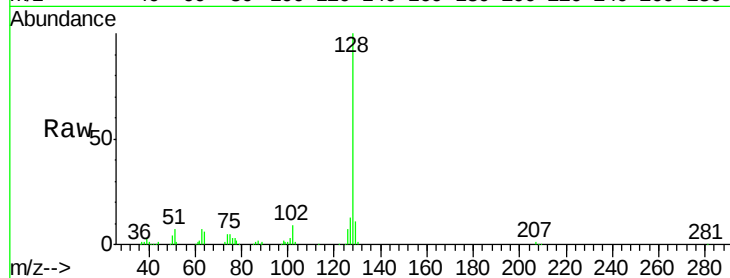
ClientSampleId :

VN0330WBS02

Tot Ion:	128	Resp:	164821
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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4/1/2019 1:31:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.446 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion:	180	Resp:	70681
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.6
145	31.3	14.8	44.3

