

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057503.D
 Acq On : 26 Aug 2019 11:37
 Operator : JC/SP
 Sample : VN0826WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:29 PM

Quant Time: Aug 26 12:09:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	343333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	606111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	546674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	187026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	302623	50.11	ug/l	0.00
Spiked Amount						
			Recovery	=	100.22%	
35) Dibromofluoromethane	7.58	113	199324	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	
50) Toluene-d8	10.08	98	801653	51.79	ug/l	0.00
Spiked Amount						
			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	257272	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	70876	17.494	ug/l	95
3) Chloromethane	2.05	50	97707	16.885	ug/l	99
4) Vinyl Chloride	2.17	62	122802	17.435	ug/l	98
5) Bromomethane	2.55	94	75468	17.387	ug/l	93
6) Chloroethane	2.69	64	80637	17.799	ug/l	100
7) Trichlorofluoromethane	3.00	101	193286	17.680	ug/l	97
8) Diethyl Ether	3.39	74	68052	17.559	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	63439	10.914	ug/l	98
10) Methyl Iodide	3.93	142	75191	16.843	ug/l	98
11) Tert butyl alcohol	4.78	59	64402	85.822	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	71873	12.299	ug/l	95
13) Acrolein	3.58	56	67111	101.707	ug/l	95
14) Allyl chloride	4.29	41	133454	17.266	ug/l	98
15) Acrylonitrile	4.96	53	178833	88.369	ug/l	98
16) Acetone	3.80	43	158116	57.007	ug/l	99
17) Carbon Disulfide	4.02	76	173972	15.606	ug/l	98
18) Methyl Acetate	4.31	43	114350	18.503	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	234199	16.602	ug/l	99
20) Methylene Chloride	4.52	84	73726	17.880	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	66513	16.129	ug/l	98
22) Diisopropyl ether	5.93	45	285724	17.232	ug/l	95
23) Vinyl Acetate	5.87	43	1083085	83.632	ug/l	98
24) 1,1-Dichloroethane	5.83	63	150104	17.082	ug/l	97
25) 2-Butanone	6.82	43	252270	83.760	ug/l	100
26) 2,2-Dichloropropane	6.80	77	122175	16.055	ug/l #	76
27) cis-1,2-Dichloroethene	6.81	96	80355	16.438	ug/l	95
28) Bromochloromethane	7.17	49	85434	18.054	ug/l #	22
29) Tetrahydrofuran	7.20	42	173131	87.177	ug/l	98
30) Chloroform	7.36	83	140859	17.325	ug/l	96
31) Cyclohexane	7.64	56	152343	17.956	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	121005	16.053	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108847	17.575	ug/l	98
37) Ethyl Acetate	6.92	43	112820	18.435	ug/l	97
38) Carbon Tetrachloride	7.76	117	99559	16.181	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	130385	17.726	ug/l	97
40) Benzene	8.03	78	313941	16.889	ug/l	97
41) Methacrylonitrile	7.15	41	42012	14.397	ug/l	88
42) 1,2-Dichloroethane	8.11	62	127630	17.832	ug/l	99
43) Isopropyl Acetate	8.16	43	193537	17.247	ug/l	98
44) Trichloroethene	8.83	130	72799	17.544	ug/l	88
45) 1,2-Dichloropropane	9.11	63	92532	17.675	ug/l	98
46) Dibromomethane	9.20	93	54051	17.369	ug/l	98
47) Bromodichloromethane	9.40	83	113754	16.470	ug/l	100
48) Methyl methacrylate	9.19	41	92317	17.301	ug/l	99
49) 1,4-Dioxane	9.19	88	22721	329.282	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	558664	89.332	ug/l	100
52) Toluene	10.15	92	194409	18.146	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	115448	15.958	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	126569	15.713	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	70639	16.304	ug/l	94
56) Ethyl methacrylate	10.43	69	118226	17.347	ug/l	99
57) 1,3-Dichloropropane	10.70	76	131765	17.474	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	169581	100.306	ug/l	100
59) 2-Hexanone	10.75	43	381742	88.997	ug/l	100
60) Dibromochloromethane	10.90	129	68908	15.050	ug/l	94
61) 1,2-Dibromoethane	11.00	107	72382	17.033	ug/l	99
64) Tetrachloroethene	10.63	164	64218	16.791	ug/l	95
65) Chlorobenzene	11.43	112	191308	17.312	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	68119	16.073	ug/l	99
67) Ethyl Benzene	11.51	91	369117	17.257	ug/l	99
68) m/p-Xylenes	11.62	106	251736	34.606	ug/l	100
69) o-Xylene	11.95	106	124630	17.295	ug/l	100
70) Styrene	11.96	104	196619	17.232	ug/l	98
71) Bromoform	12.12	173	43084	15.038	ug/l #	96
73) Isopropylbenzene	12.25	105	335235	17.643	ug/l	100
74) N-amyl acetate	12.07	43	151559	17.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100700	18.658	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	89950m	19.445	ug/l	
77) Bromobenzene	12.53	156	69021	18.178	ug/l	99
78) n-propylbenzene	12.59	91	361863	17.413	ug/l	98
79) 2-Chlorotoluene	12.67	91	223326	17.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	265914	17.255	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25838	13.089	ug/l	85
82) 4-Chlorotoluene	12.77	91	205950	17.240	ug/l	99
83) tert-Butylbenzene	12.99	119	228285	17.354	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	258806	17.800	ug/l	100
85) sec-Butylbenzene	13.17	105	297070	17.505	ug/l	98
86) p-Isopropyltoluene	13.29	119	245294	16.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	99185	16.418	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	99280	16.781	ug/l	97
89) n-Butylbenzene	13.62	91	192210	15.537	ug/l	99
90) Hexachloroethane	13.88	117	47472	14.857	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	95427	16.547	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14403	15.775	ug/l	96

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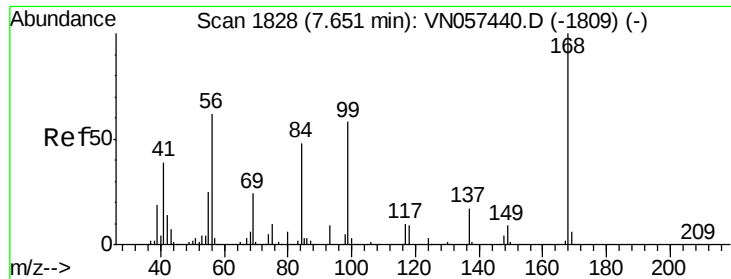
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25174	15.001	ug/l	94
94) Hexachlorobutadiene	15.01	225	31132	19.203	ug/l	99
95) Naphthalene	15.13	128	84599	14.723	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	24521	14.557	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion:168 Resp: 343333

Ion Ratio Lower Upper

168 100

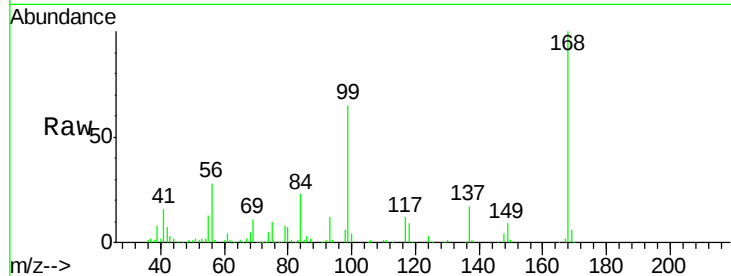
99 64.2 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

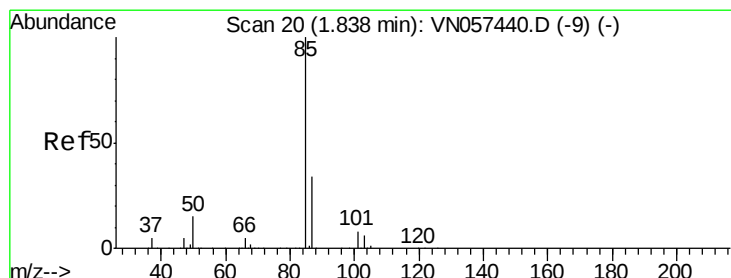
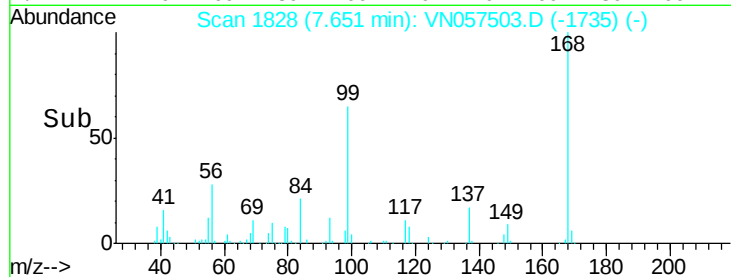
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.494 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057503.D

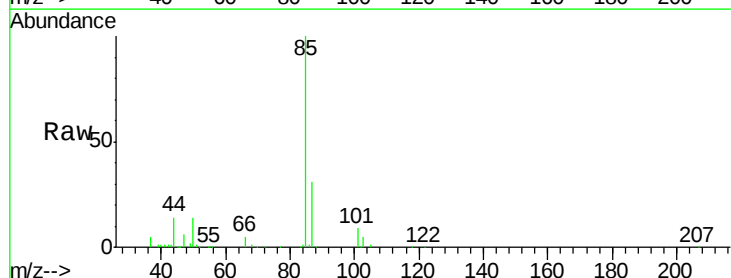
Acq: 26 Aug 2019 11:37

Tgt Ion: 85 Resp: 70876

Ion Ratio Lower Upper

85 100

87 31.2 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

60000

50000

40000

30000

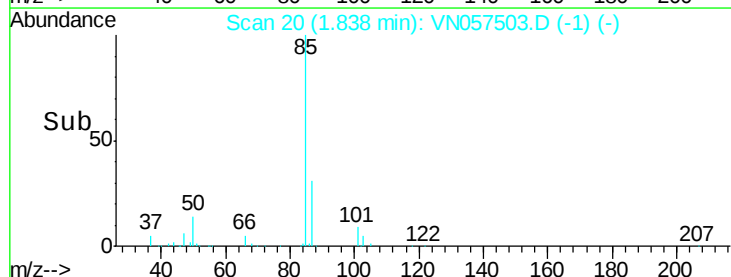
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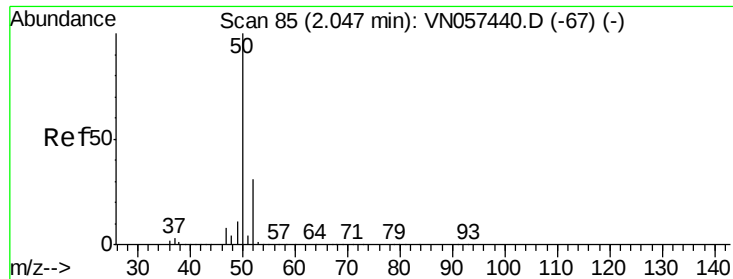
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.885 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 50 Resp: 97707

Ion Ratio Lower Upper

50 100

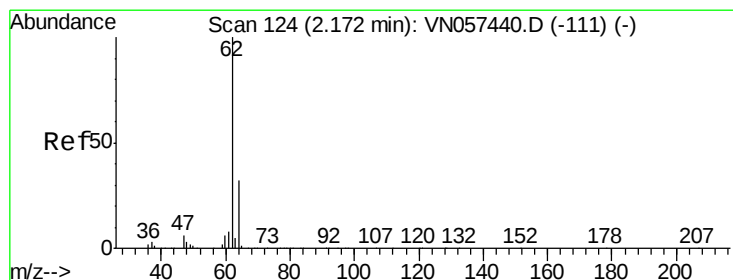
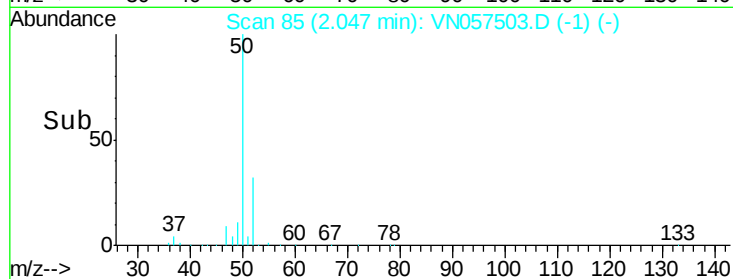
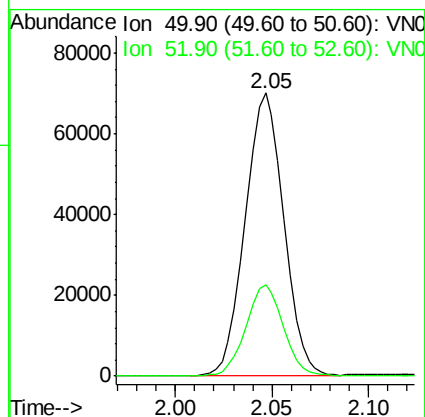
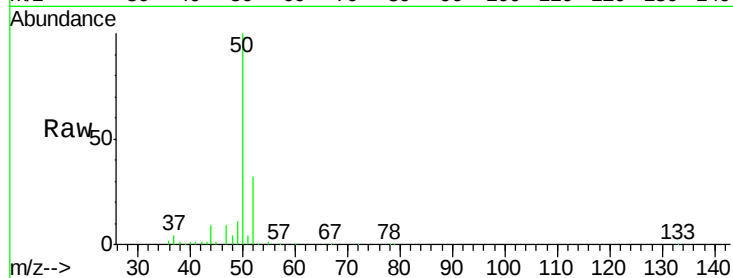
52 32.1 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.435 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057503.D

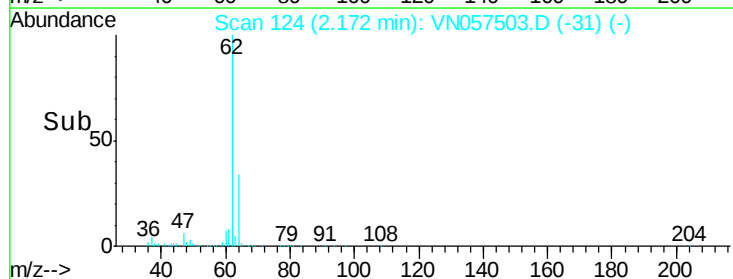
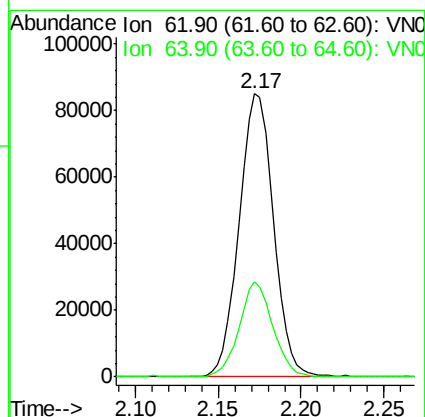
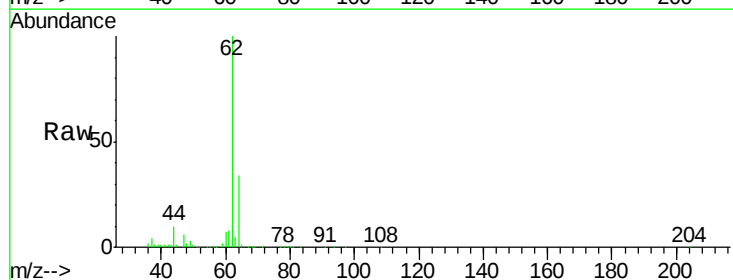
Acq: 26 Aug 2019 11:37

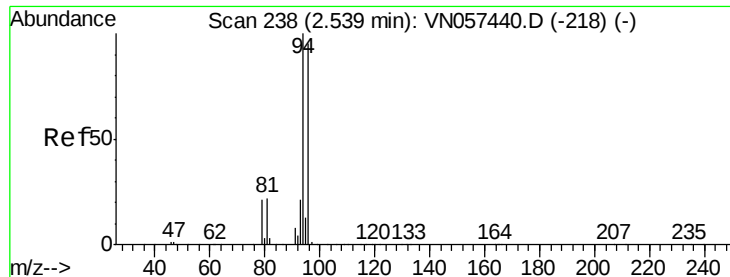
Tgt Ion: 62 Resp: 122802

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8





#5

Bromomethane

Concen: 17.387 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 94 Resp: 75468

Ion Ratio Lower Upper

94 100

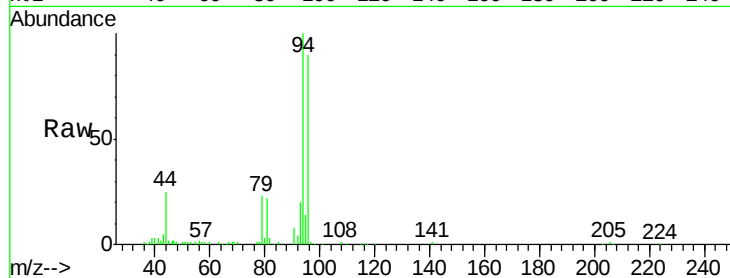
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Manual Integrations

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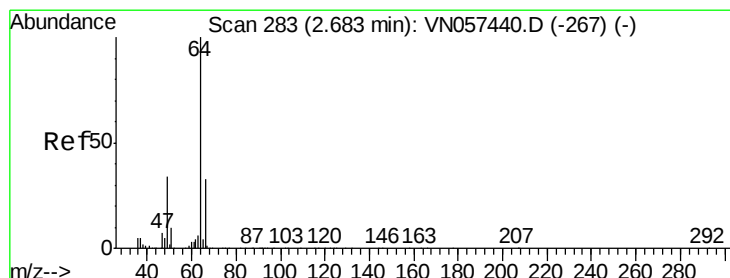
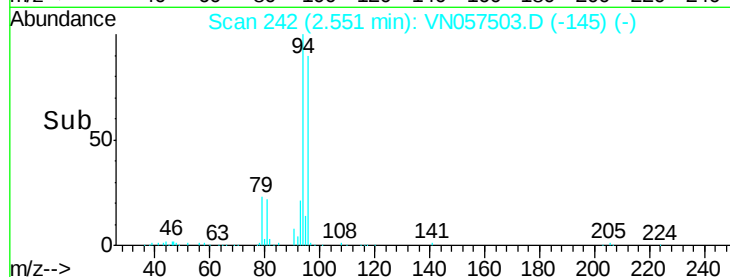
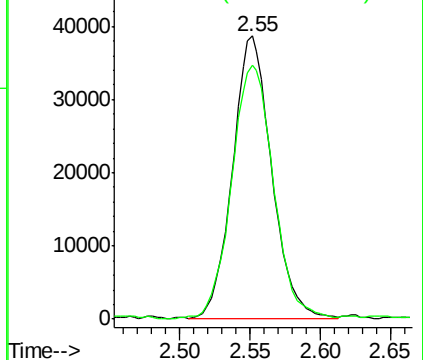
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.799 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057503.D

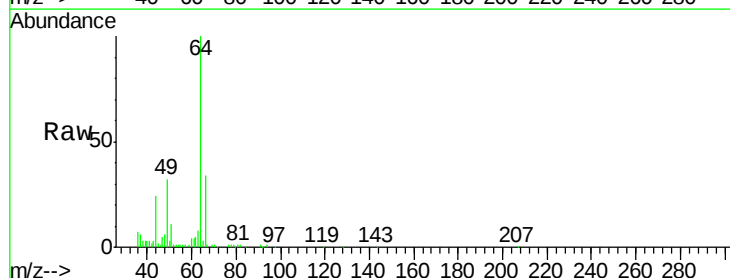
Acq: 26 Aug 2019 11:37

Tgt Ion: 64 Resp: 80637

Ion Ratio Lower Upper

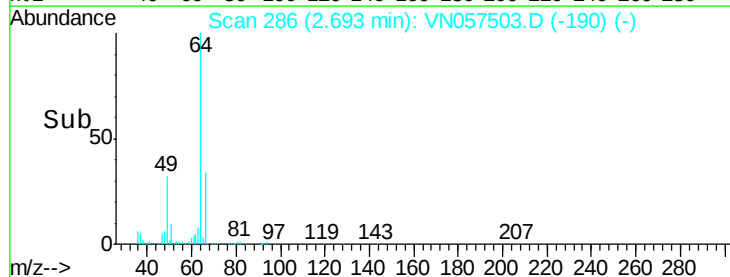
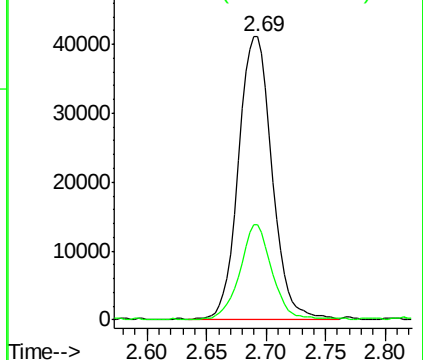
64 100

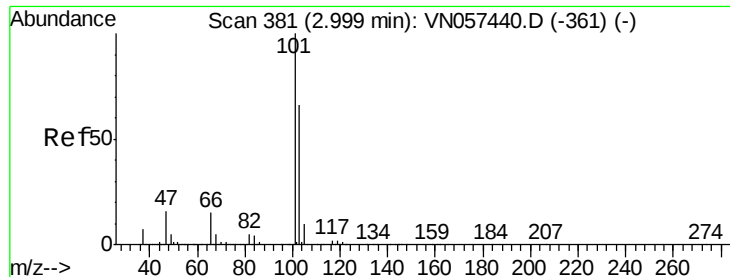
66 33.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

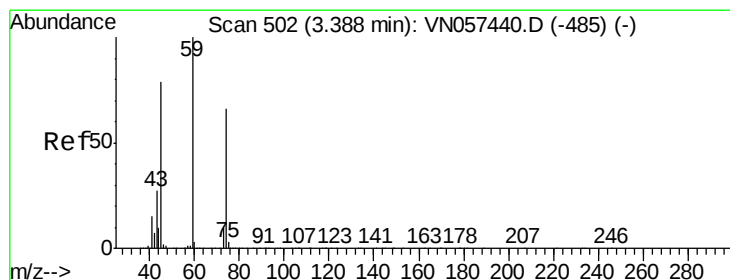
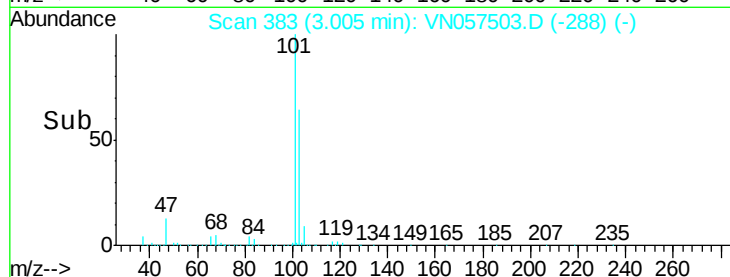
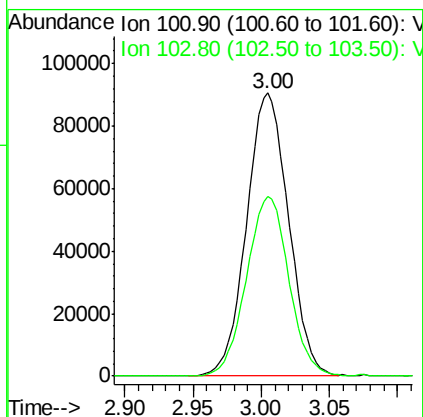
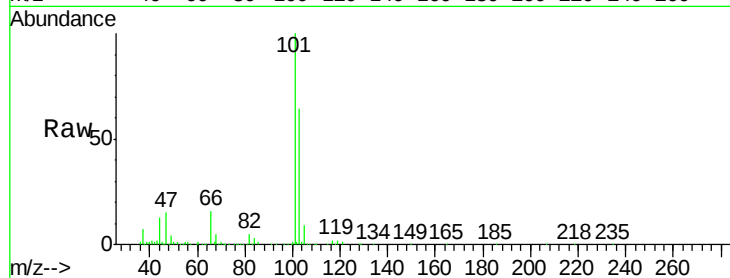
Trichlorofluoromethane
Concen: 17.680 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.6	78.8

Manual Integrations
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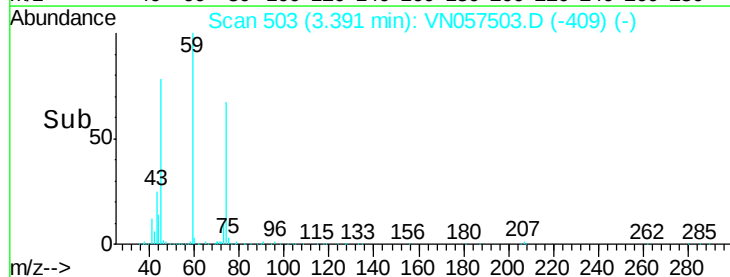
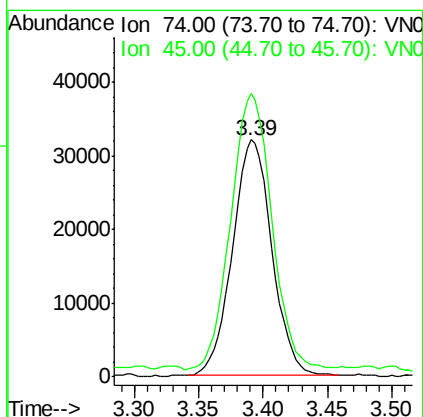
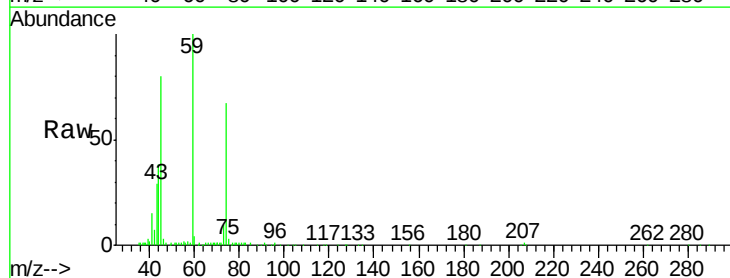
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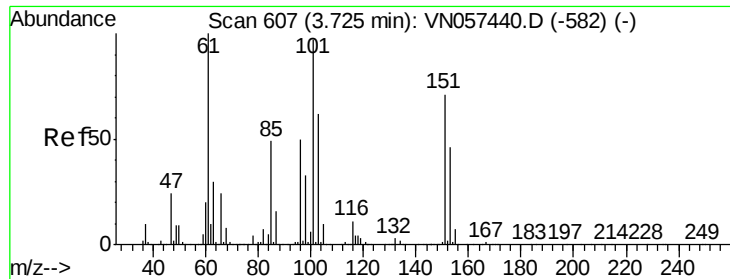


#8

Diethyl Ether
Concen: 17.559 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.4	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.914 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

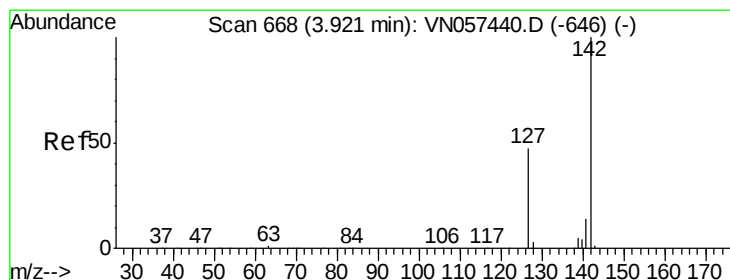
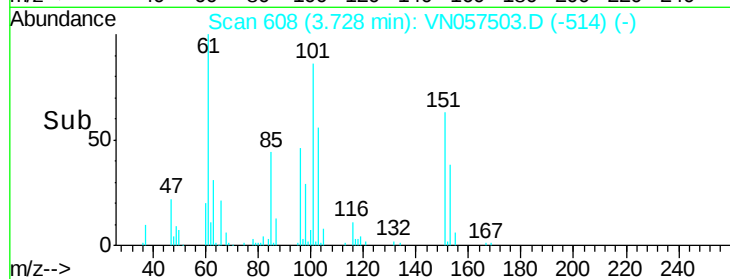
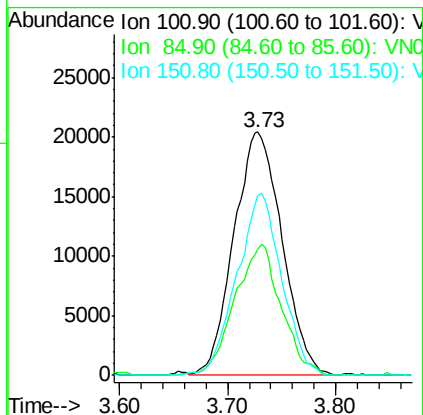
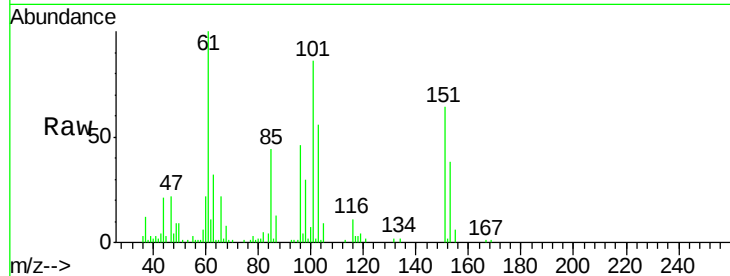
ClientSampleId :

VN0826WBSD01

Tot Ion:	101	Resp:	63439
Ion Ratio	Lower	Upper	
101	100		
85	51.9	40.0	60.0
151	69.4	57.0	85.6

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#10

Methyl Iodide

Concen: 16.843 ug/l

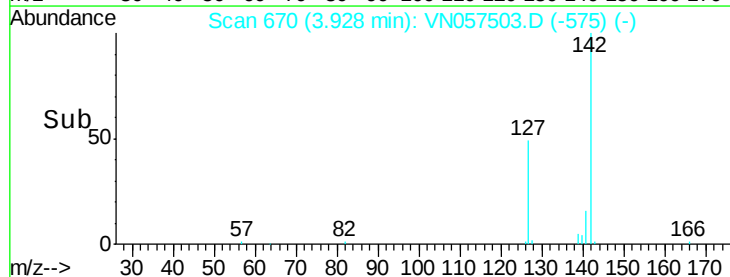
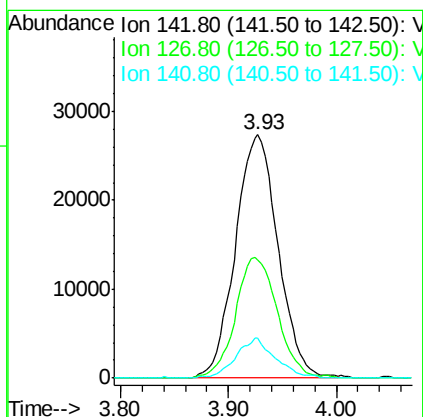
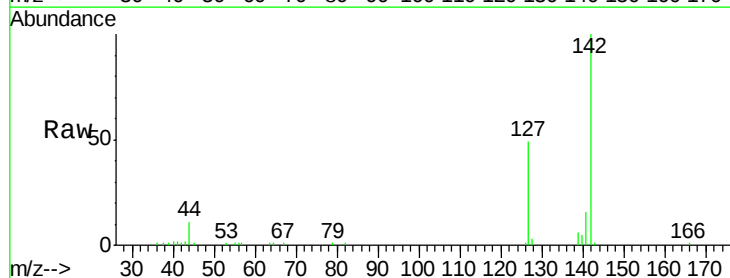
RT: 3.93 min Scan# 670

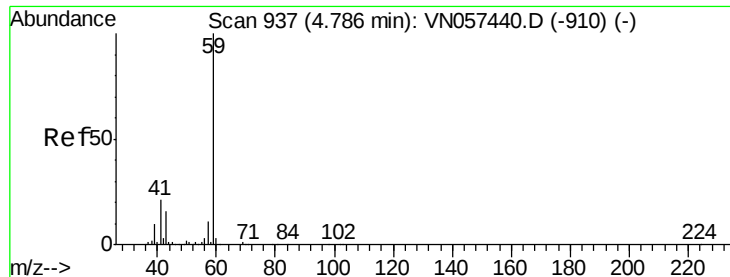
Delta R.T. 0.01 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	142	Resp:	75191
Ion Ratio	Lower	Upper	
142	100		
127	48.6	37.8	56.8
141	15.2	11.9	17.9





#11

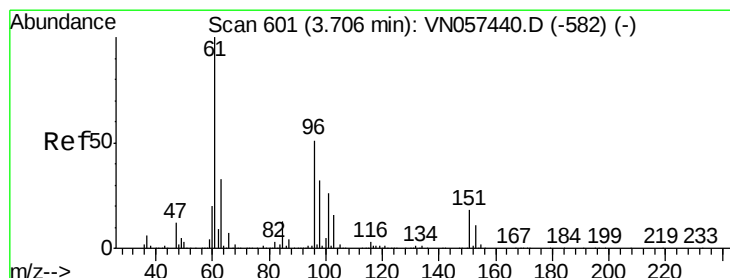
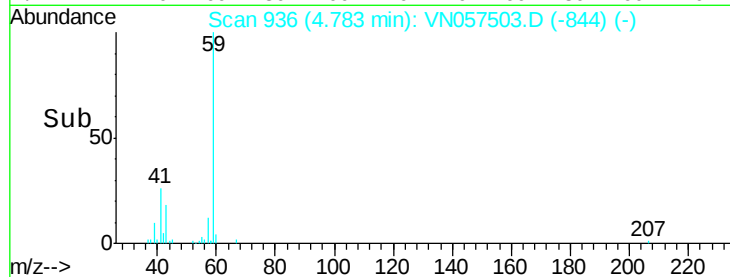
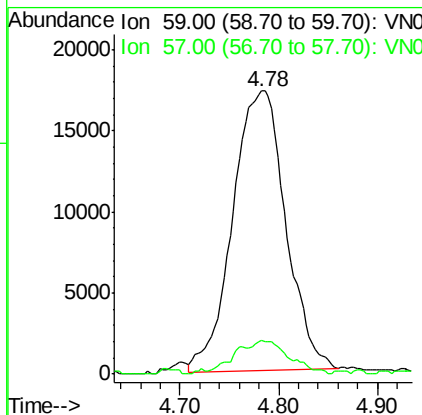
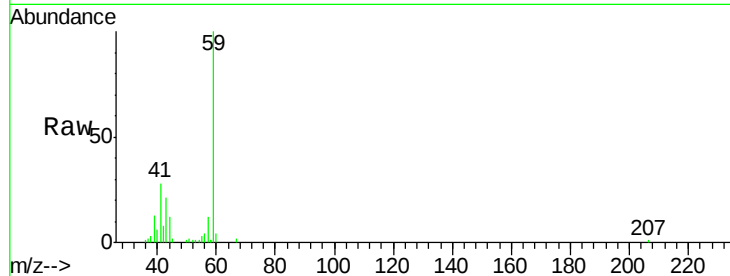
Tert butyl alcohol
 Concen: 85.822 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	9.1	13.7#

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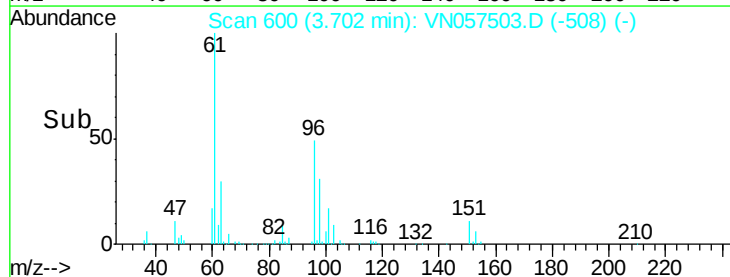
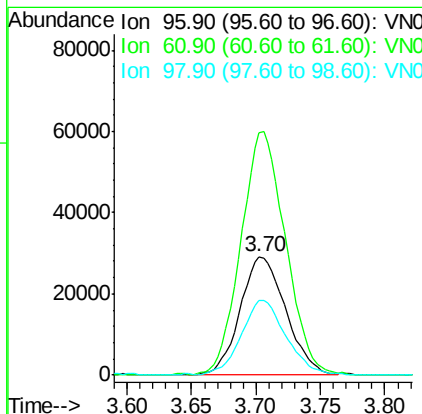
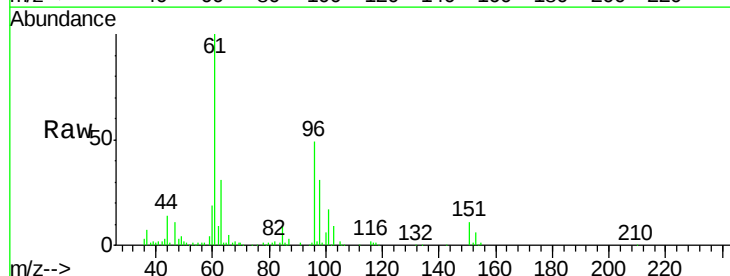
MMDadoda
 8/27/2019 5:30:29 PM

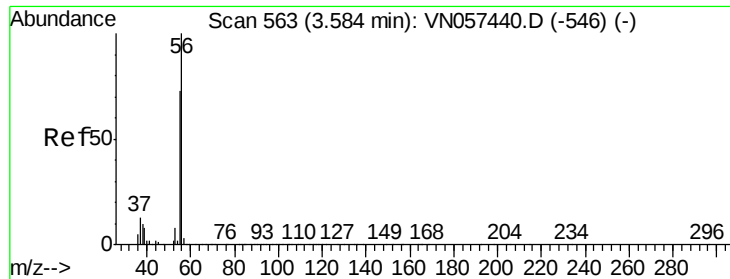


#12

1,1-Dichloroethene
 Concen: 12.299 ug/l
 RT: 3.70 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.0	155.3	232.9
98	61.9	50.2	75.2





#13

Acrolein

Concen: 101.707 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 56 Resp: 67111

Ion Ratio Lower Upper

56 100

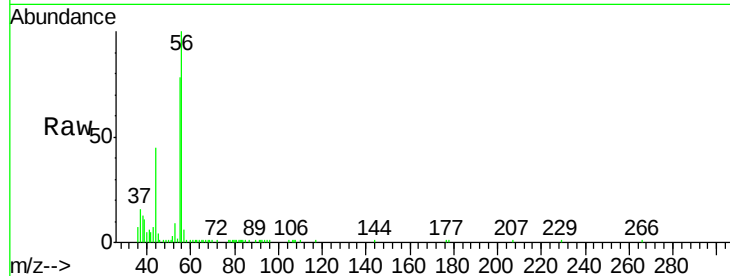
55 78.1 59.0 88.4

Manual Integrations

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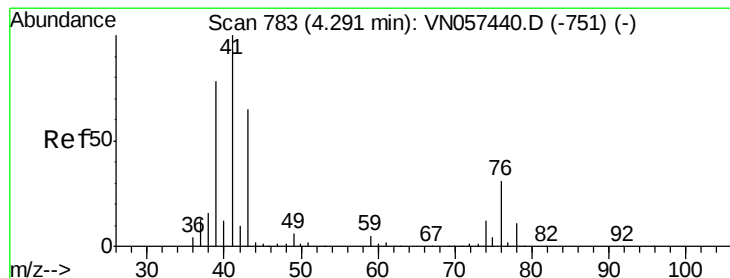
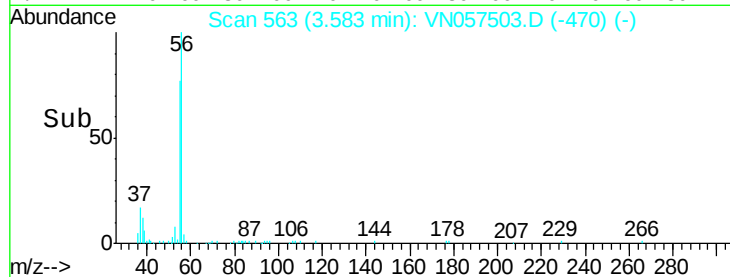
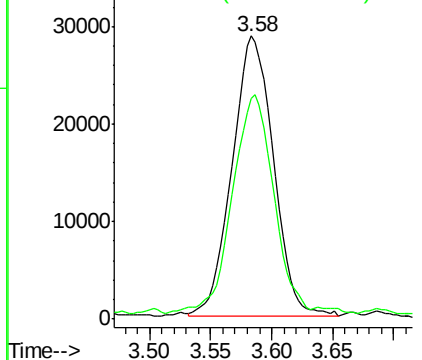
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.266 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

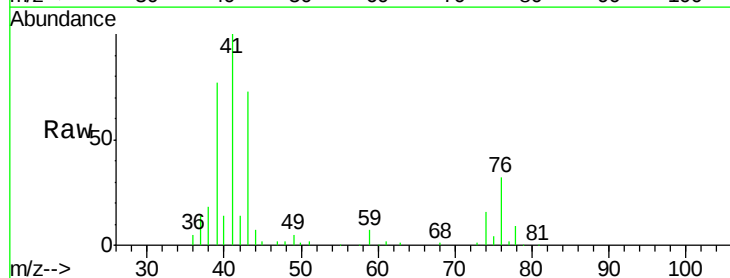
Tgt Ion: 41 Resp: 133454

Ion Ratio Lower Upper

41 100

39 73.5 57.4 86.2

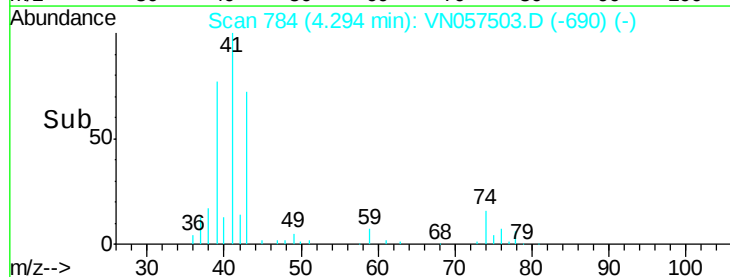
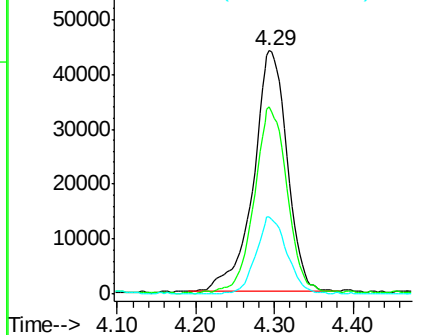
76 29.3 22.9 34.3

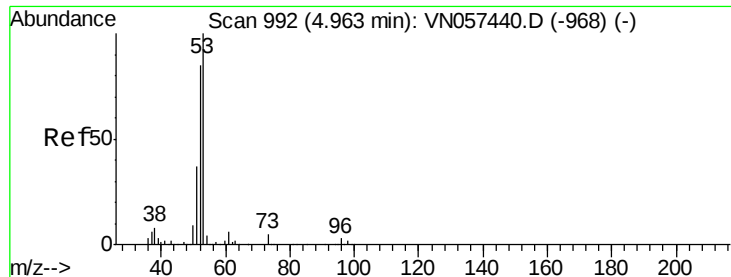


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 88.369 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

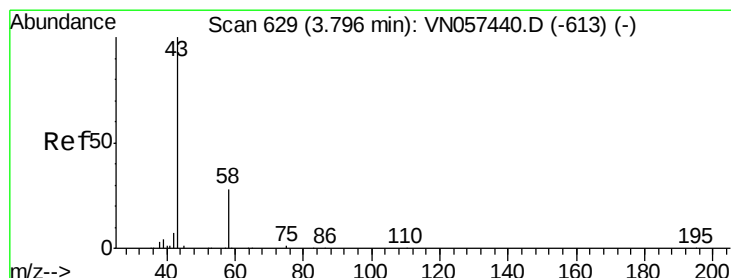
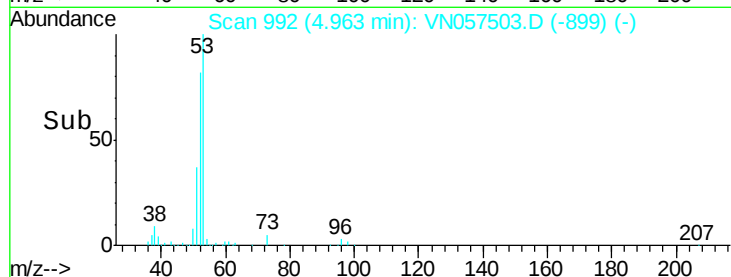
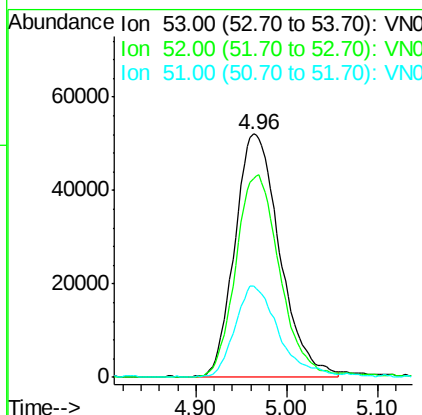
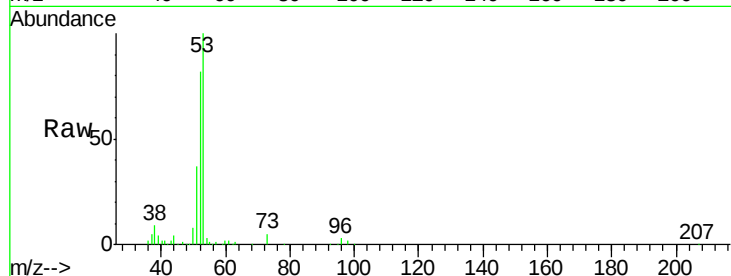
ClientSampleId :

VN0826WBSD01

Tot Ion:	53	Resp:	178833
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.6
51	36.7	29.9	44.9

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#16

Acetone

Concen: 57.007 ug/l

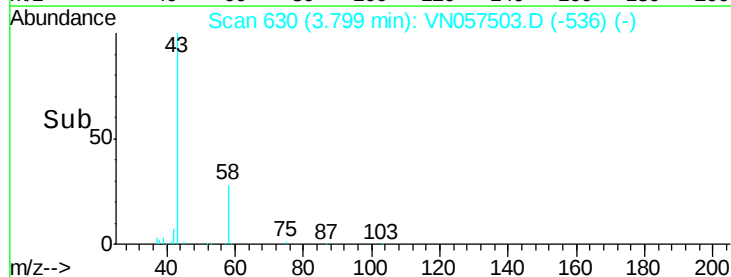
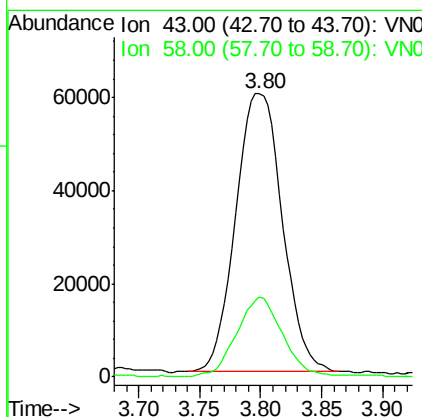
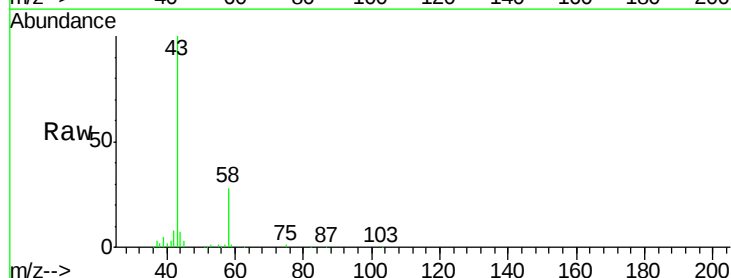
RT: 3.80 min Scan# 630

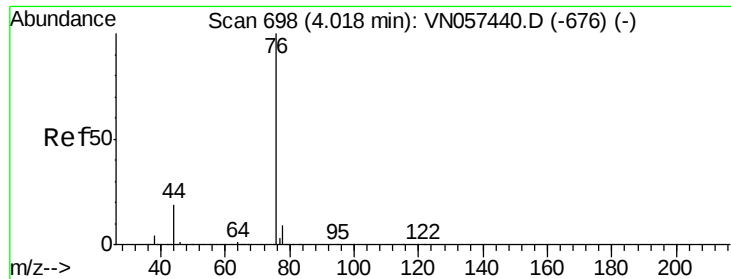
Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	43	Resp:	158116
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.1	33.1





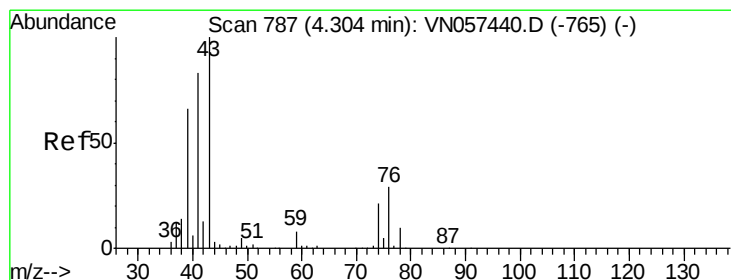
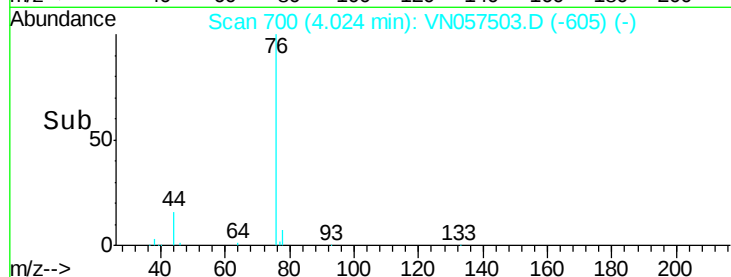
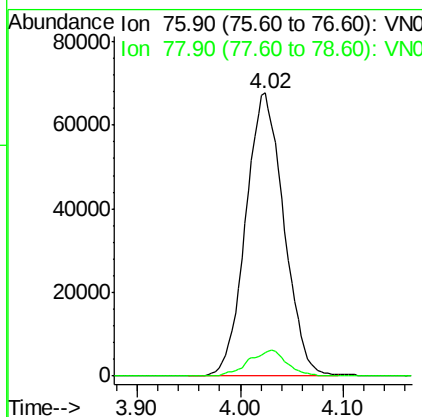
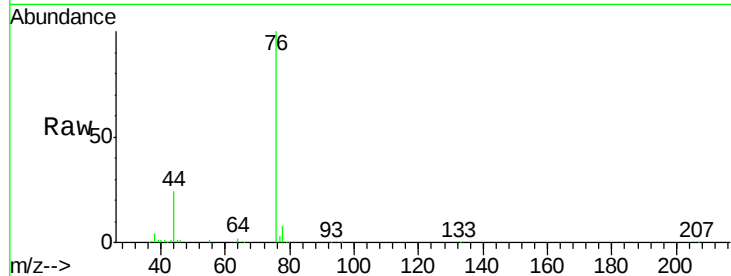
#17
Carbon Disulfide
Concen: 15.606 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.01 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7

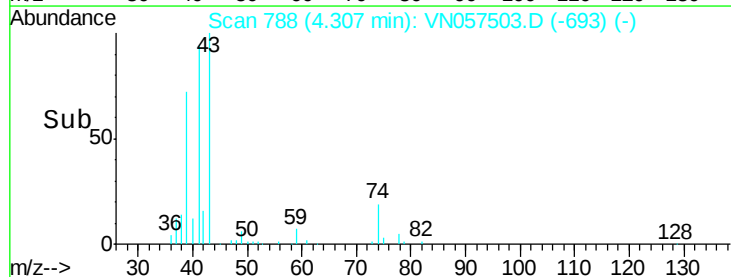
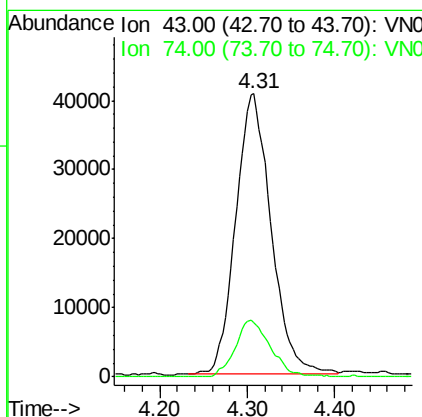
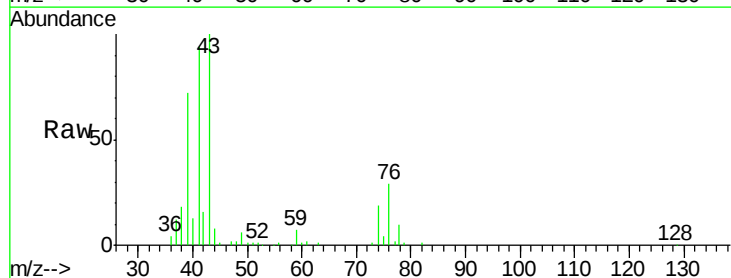
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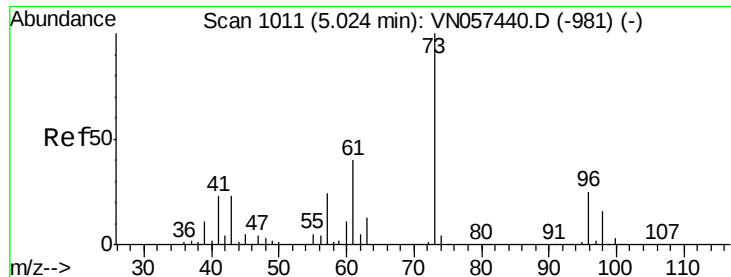
MMDadoda
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#18
Methyl Acetate
Concen: 18.503 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	15.9	23.9





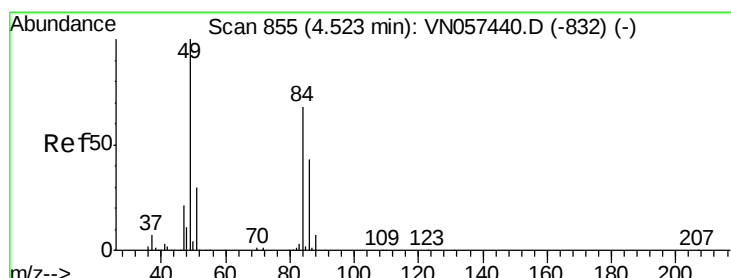
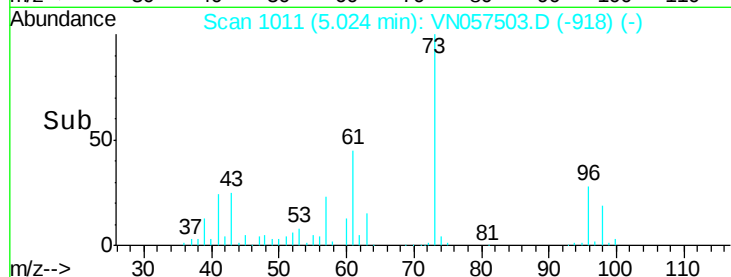
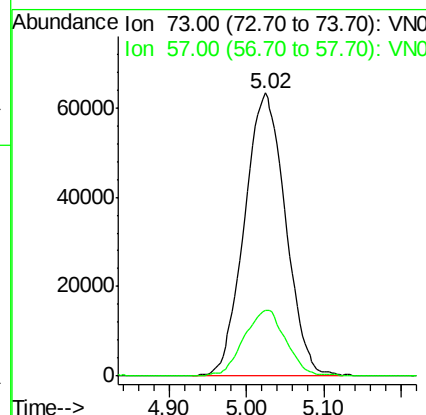
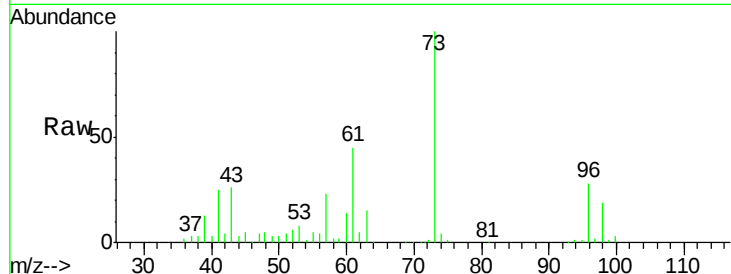
#19
Methvl tert-butvl Ether
Concen: 16.602 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	73	Resp	234199
Ion Ratio	100	Lower	Upper
57	23.5	19.1	28.7

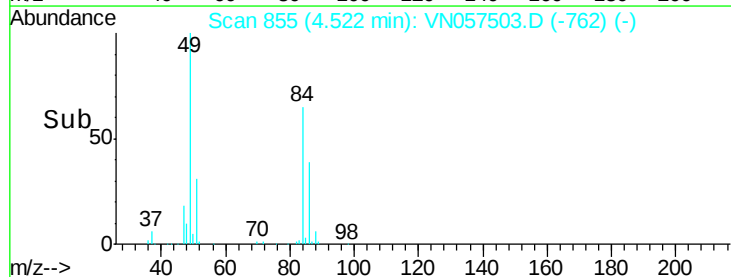
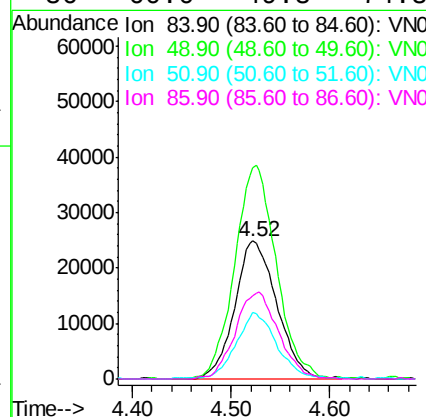
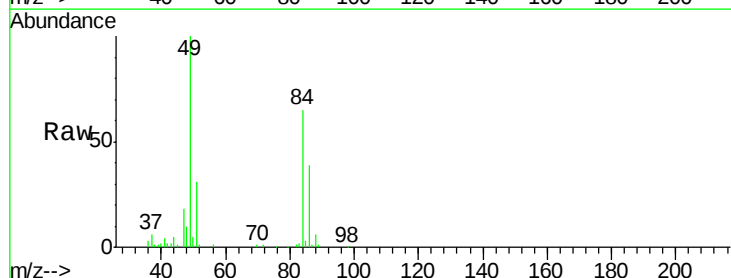
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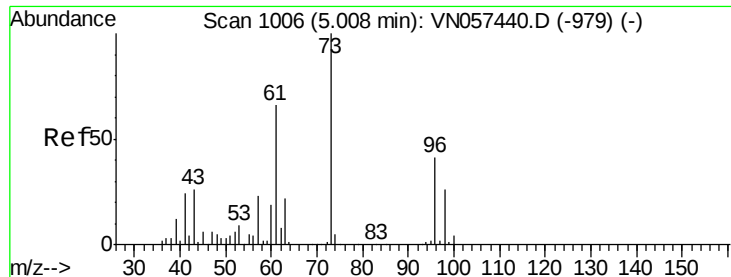
MMDadoda
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#20
Methylene Chloride
Concen: 17.880 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	84	Resp	73726
Ion Ratio	100	Lower	Upper
49	151.6	117.0	175.4
51	46.8	35.5	53.3
86	60.0	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 16.129 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 96 Resp: 66513

Ion Ratio Lower Upper

96 100

61 161.6 127.9 191.9

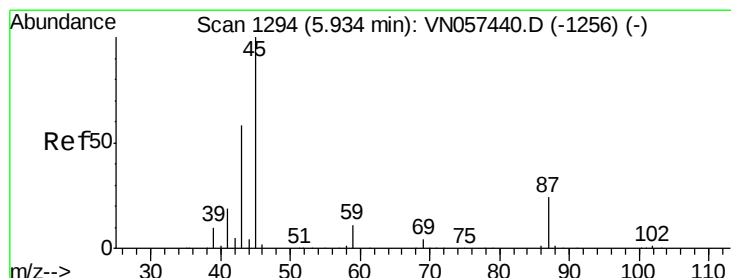
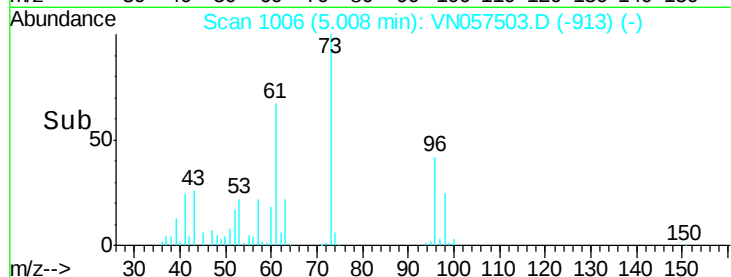
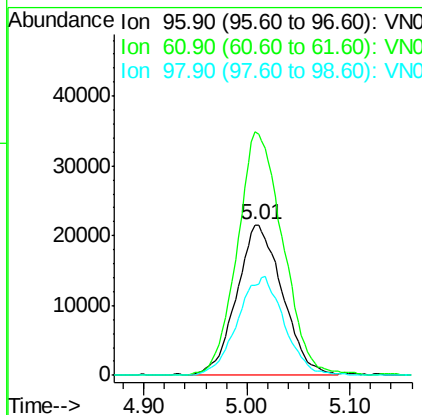
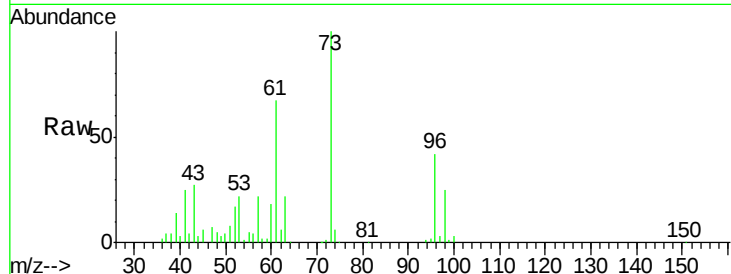
98 60.0 50.6 76.0

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#22

Diisopropyl ether

Concen: 17.232 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion: 45 Resp: 285724

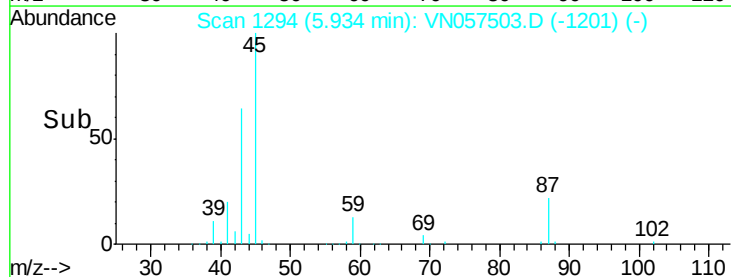
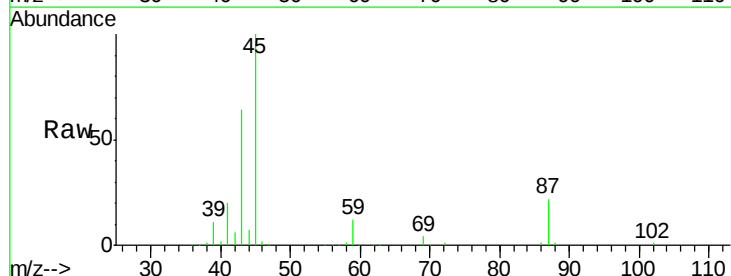
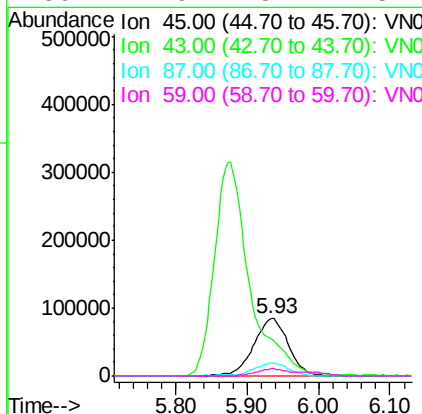
Ion Ratio Lower Upper

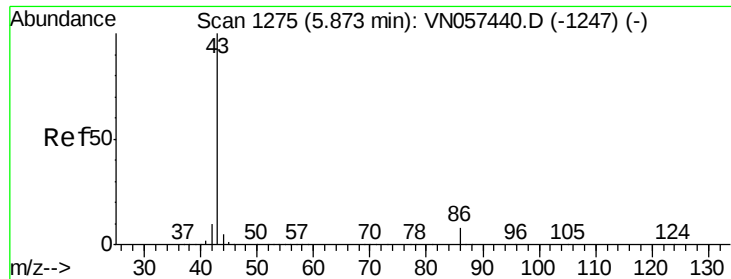
45 100

43 62.6 46.9 70.3

87 22.3 19.3 28.9

59 11.9 8.7 13.1





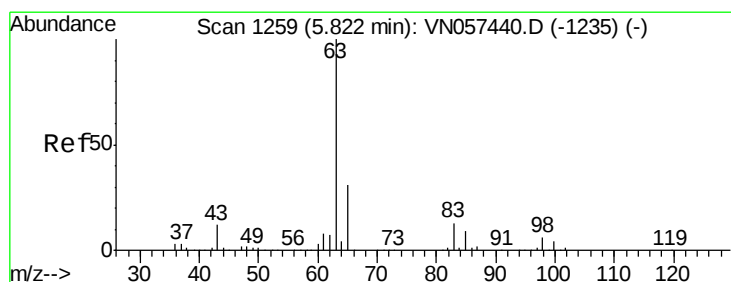
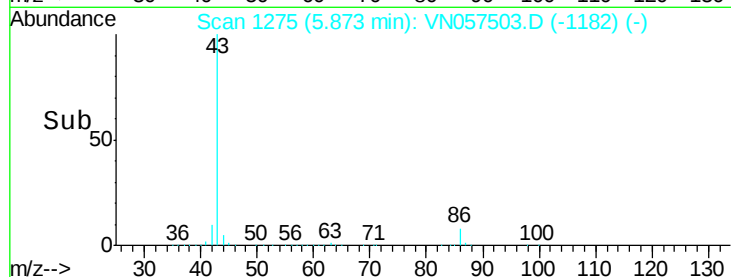
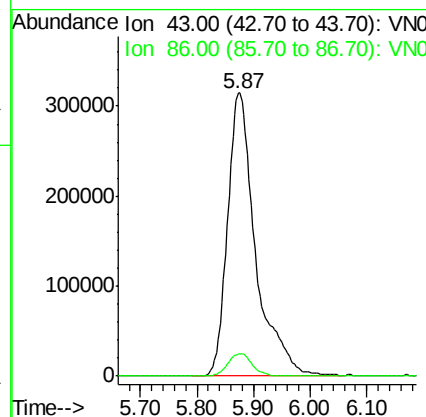
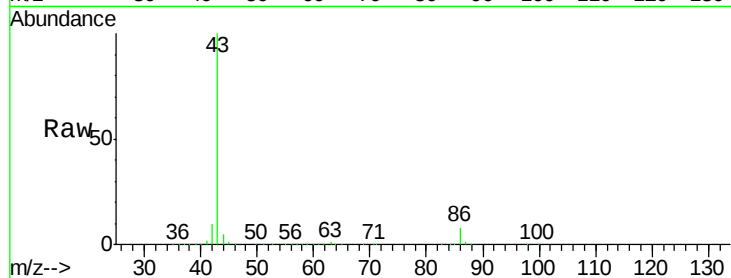
#23
 Vinyl Acetate
 Concen: 83.632 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0826WBSD01

Tot Ion: 43 Resp: 1083085
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.7 10.1

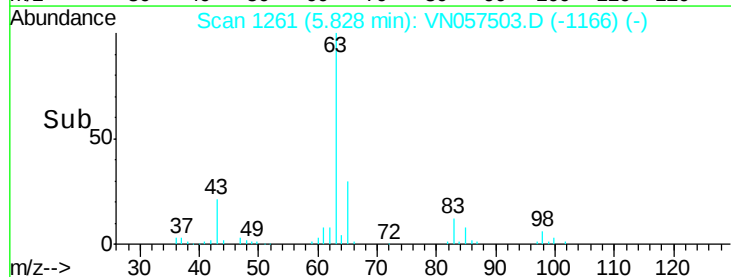
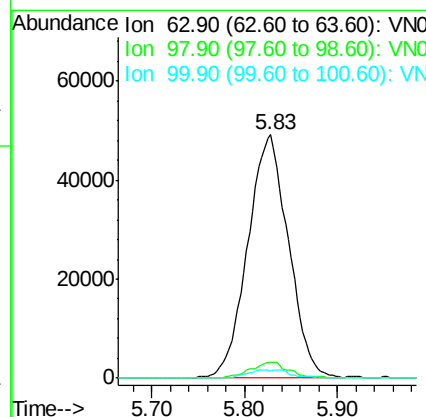
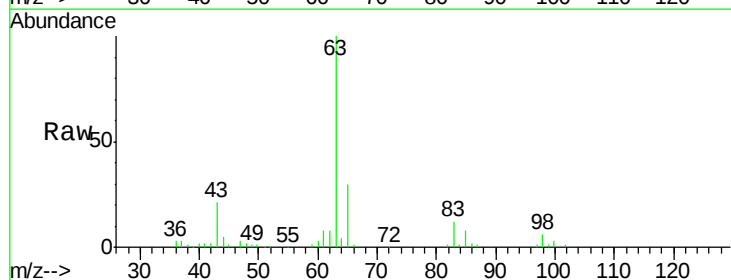
Manual Integrations
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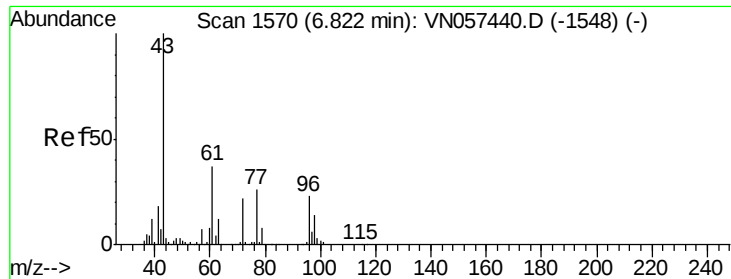
MMDadoda
 8/27/2019 5:30:29 PM



#24
 1,1-Dichloroethane
 Concen: 17.082 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion: 63 Resp: 150104
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.6
 100 3.0 2.1 6.3





#25

2-Butanone

Concen: 83.760 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0826WBSD01

Tot Ion: 43 Resp: 252270

Ion Ratio Lower Upper

43 100

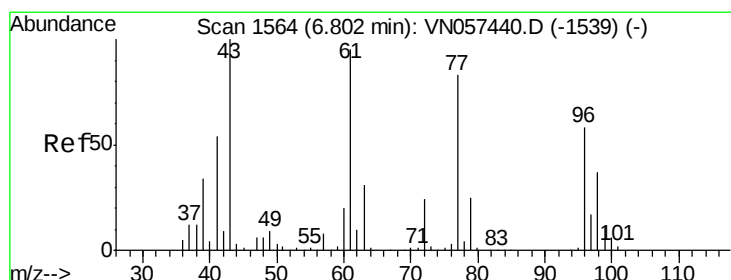
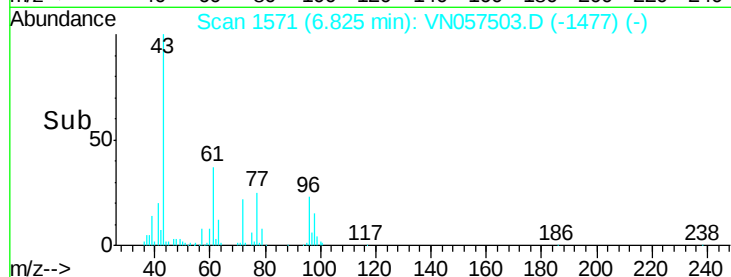
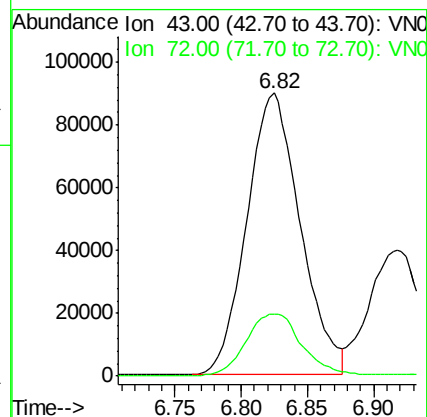
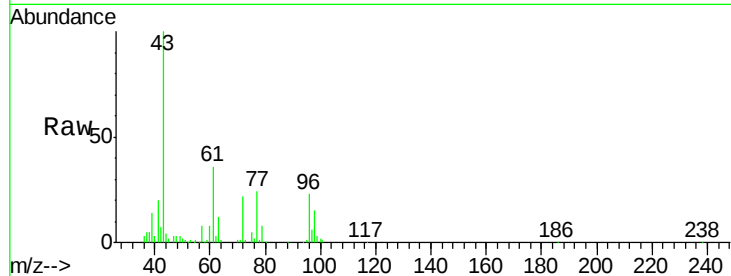
72 22.2 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.055 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057503.D

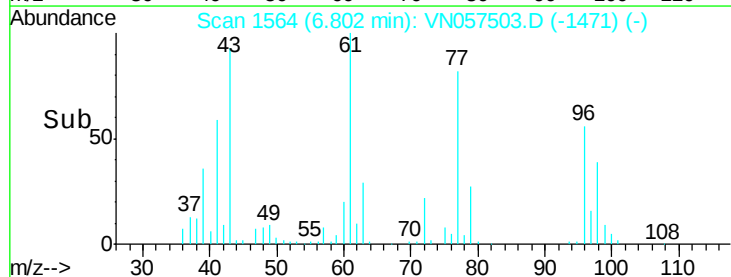
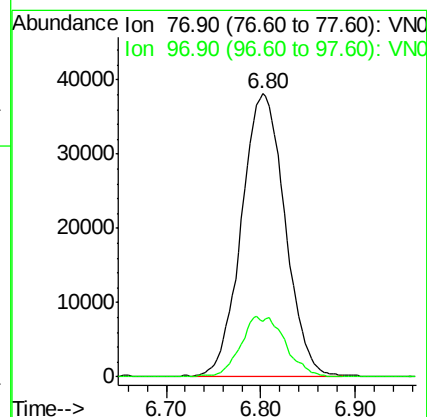
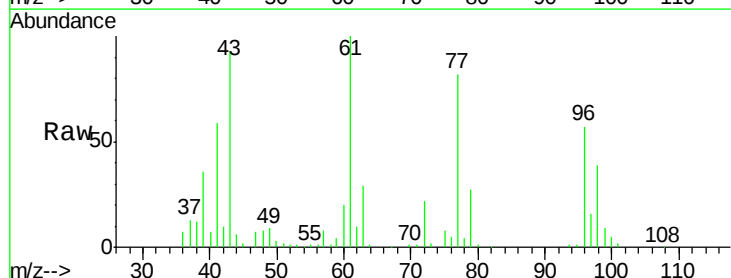
Acq: 26 Aug 2019 11:37

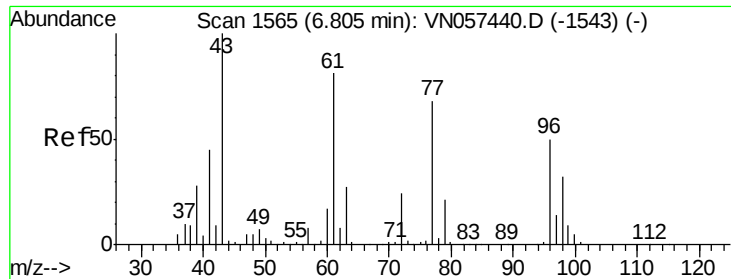
Tgt Ion: 77 Resp: 122175

Ion Ratio Lower Upper

77 100

97 10.2 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 16.438 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

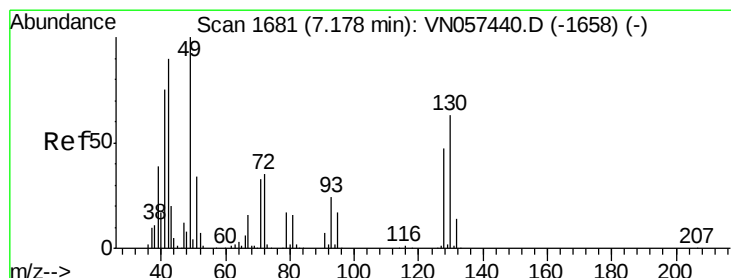
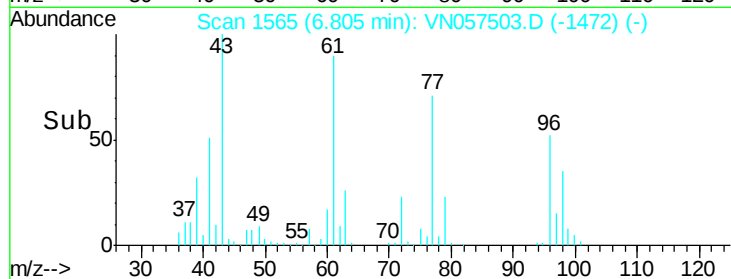
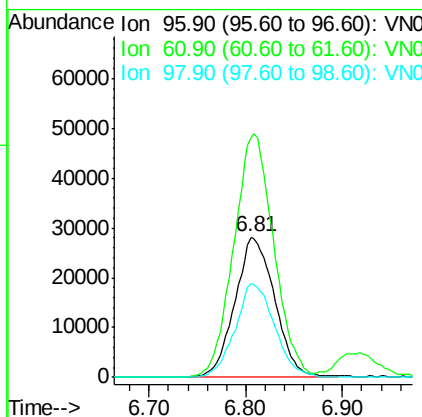
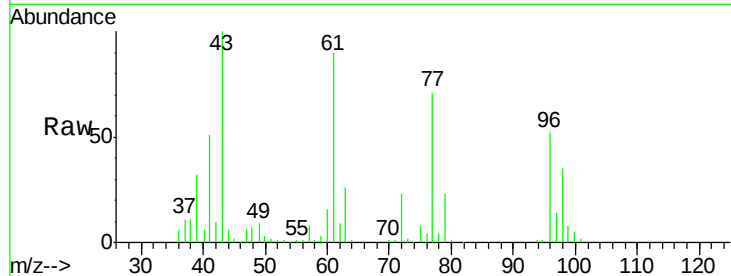
ClientSampleId :

VN0826WBSD01

Tot Ion:	96	Resp:	80355
Ion	Ratio	Lower	Upper
96	100		
61	174.6	0.0	334.8
98	66.2	0.0	127.4

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#28

Bromochloromethane

Concen: 18.054 ug/l

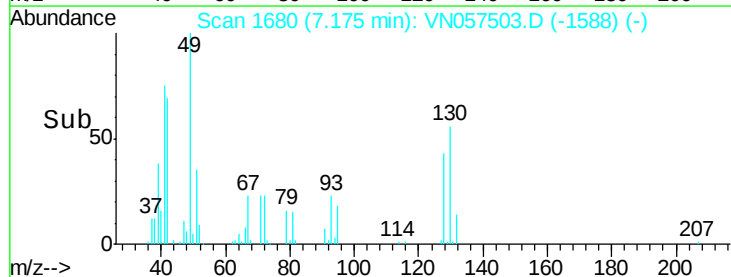
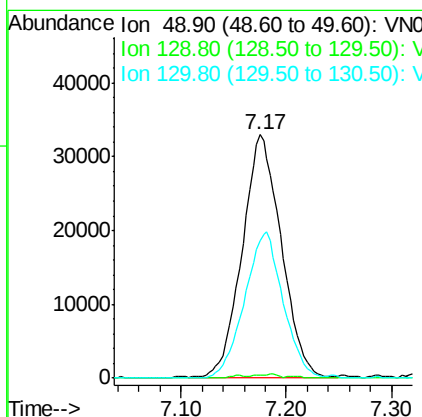
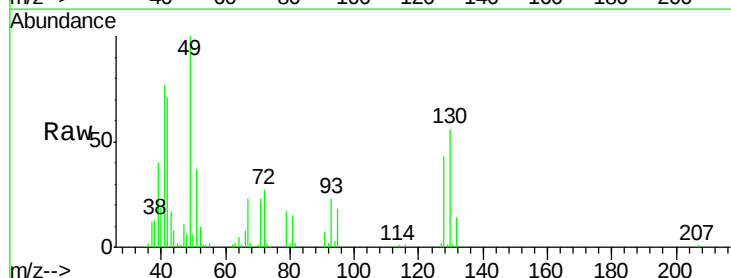
RT: 7.17 min Scan# 1680

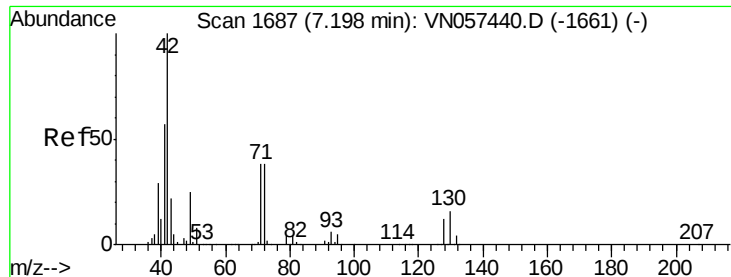
Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	49	Resp:	85434
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	0.0	48.6	72.8#





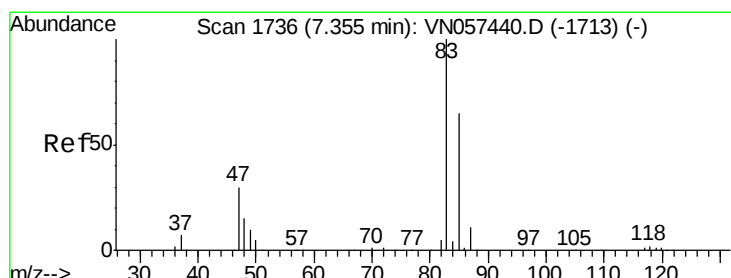
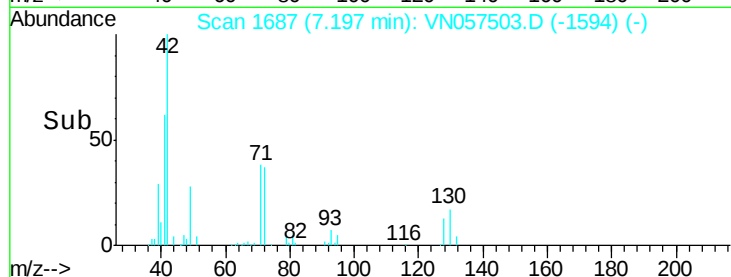
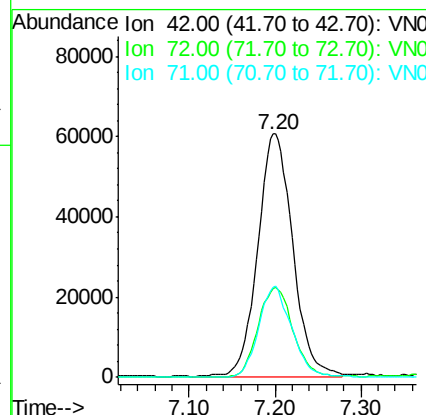
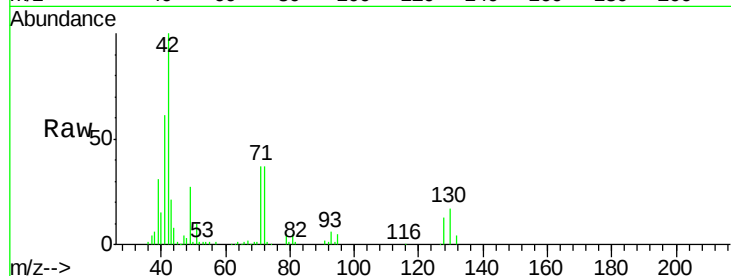
#29
Tetrahydrofuran
Concen: 87.177 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.1	45.1
71	35.1	28.8	43.2

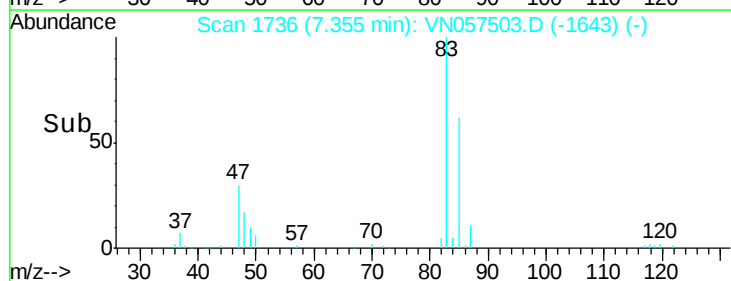
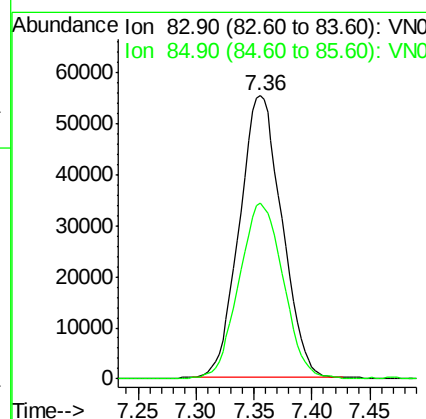
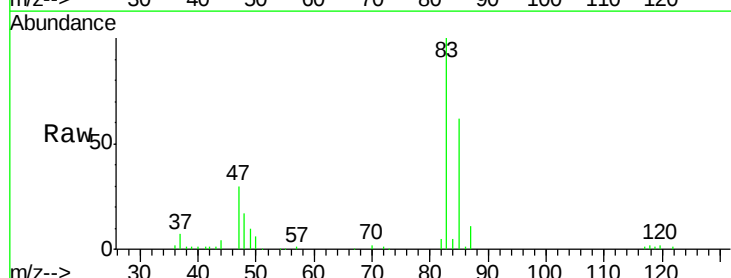
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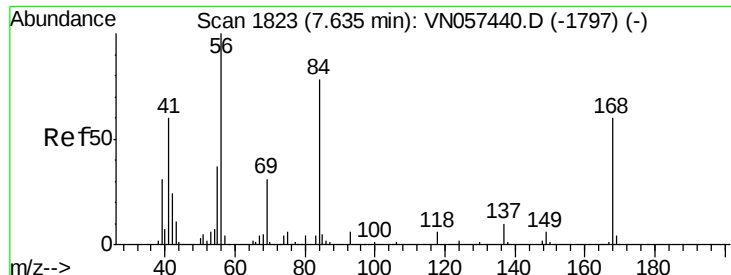
MMDadoda
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#30
Chloroform
Concen: 17.325 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.9	77.9





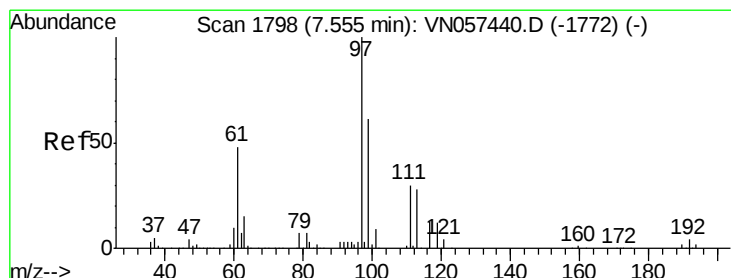
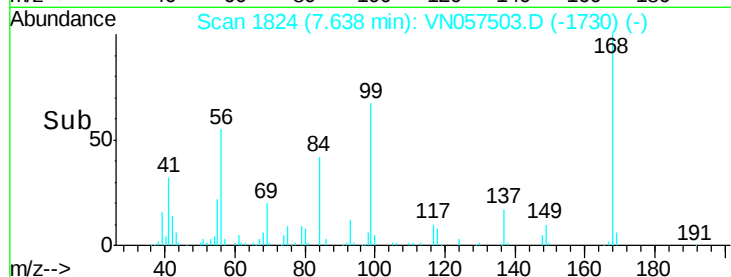
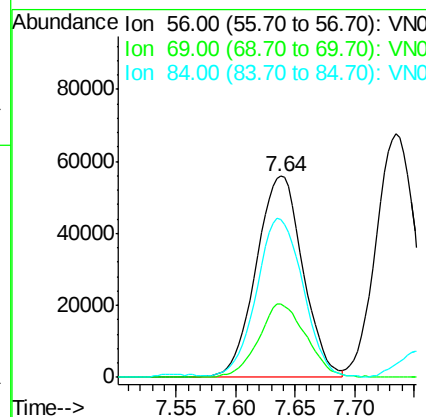
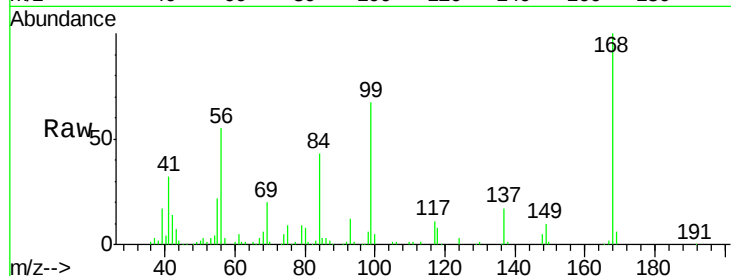
#31
Cyclohexane
Concen: 17.956 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.6
84	77.3	62.5	93.7

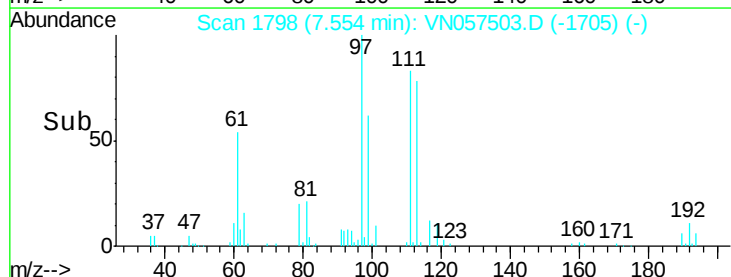
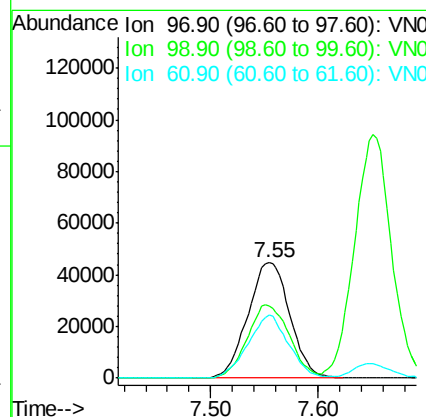
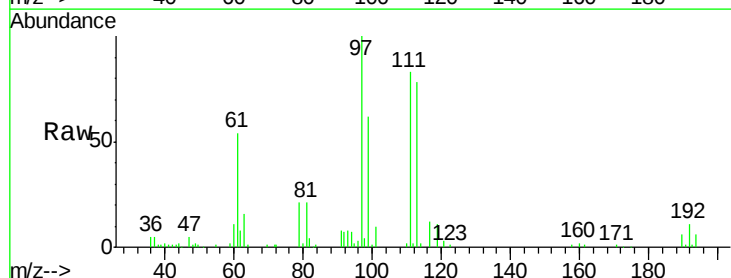
Manual Integrations
APPROVED

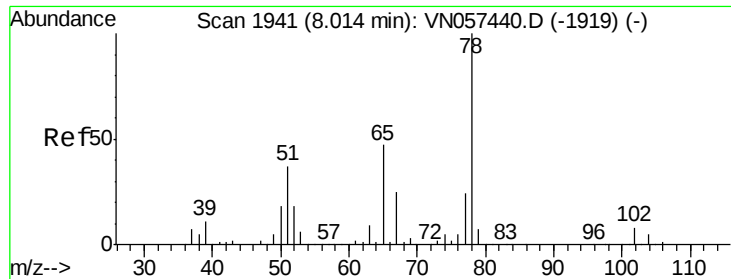
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 16.053 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.6
61	52.6	39.8	59.6





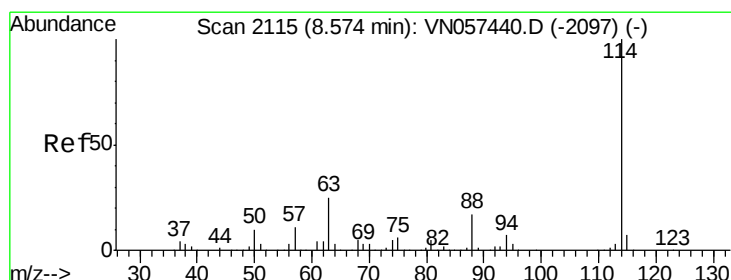
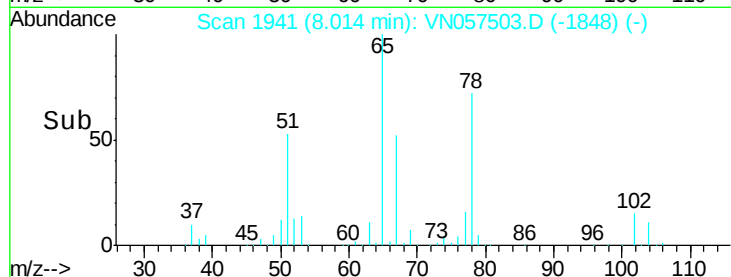
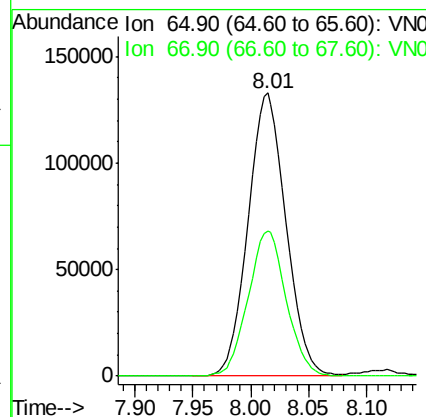
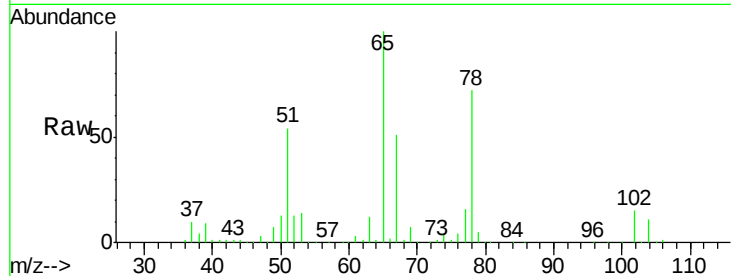
#33
 1,2-Dichloroethane-d4
 Concen: 50.106 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	302623		
67	51.7	0.0	103.8	

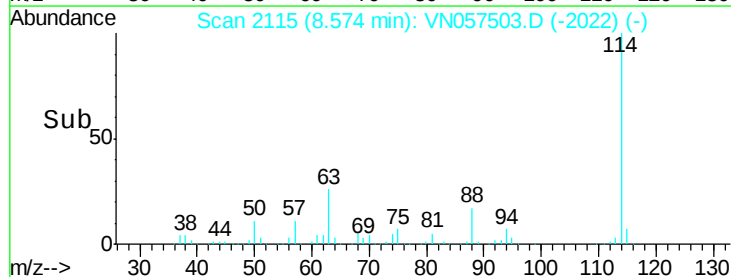
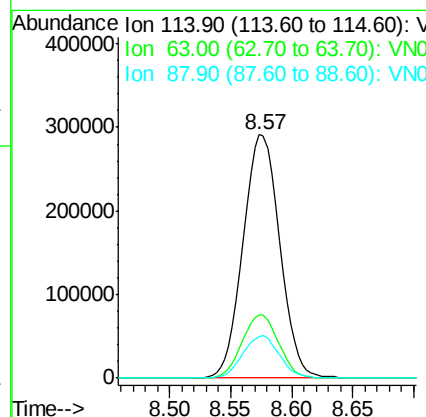
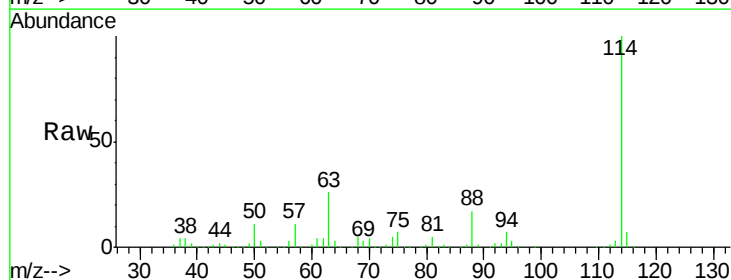
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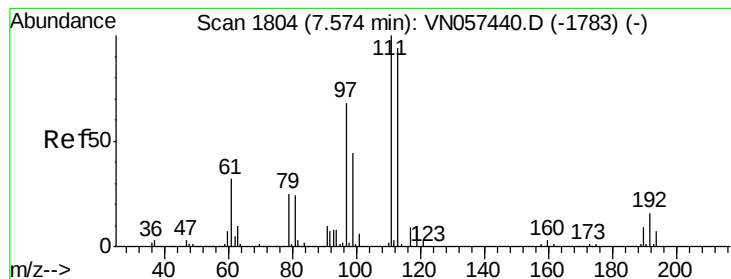
MMDadoda
 8/27/2019 5:30:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	606111		
63	26.1	0.0	50.2	
88	17.2	0.0	34.6	





#35

Dibromofluoromethane

Concen: 48.687 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

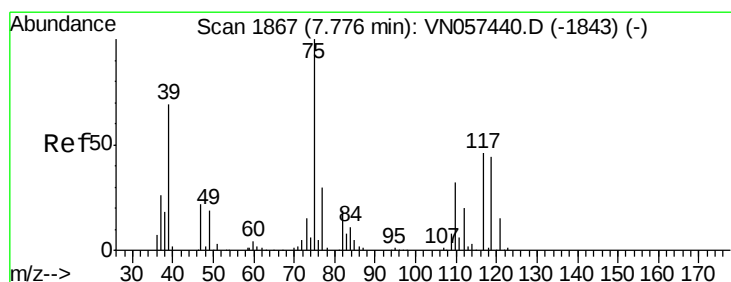
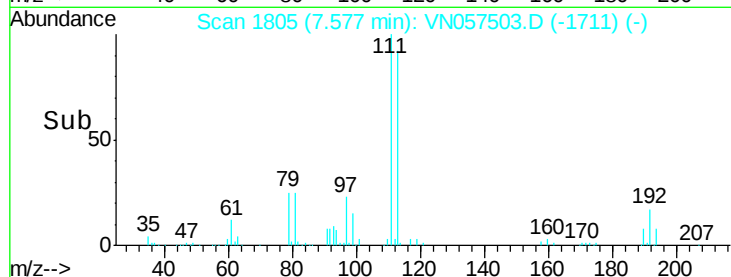
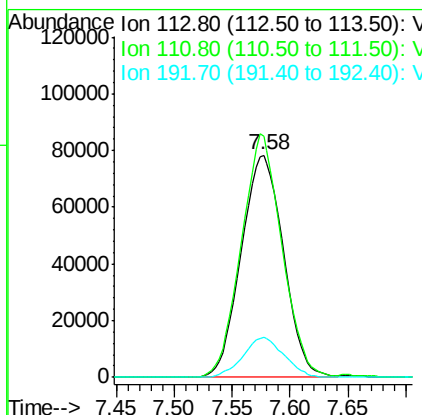
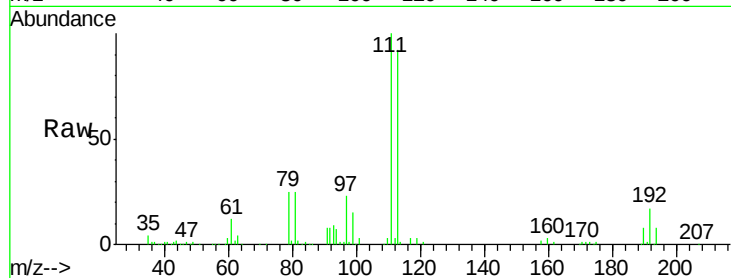
ClientSampleId :

VN0826WBSD01

Tot Ion:	113	Resp:	199324
Ion Ratio	Lower	Upper	
113	100		
111	105.0	83.8	125.6
192	17.6	13.5	20.3

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#36

1,1-Dichloropropene

Concen: 17.575 ug/l

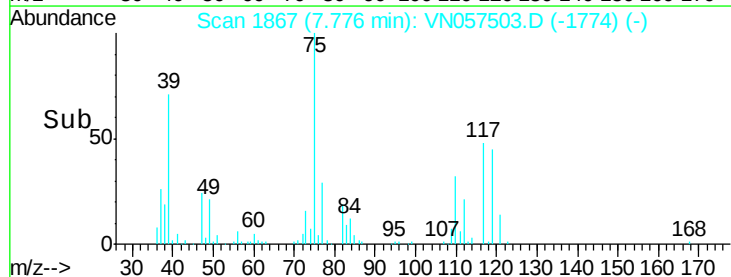
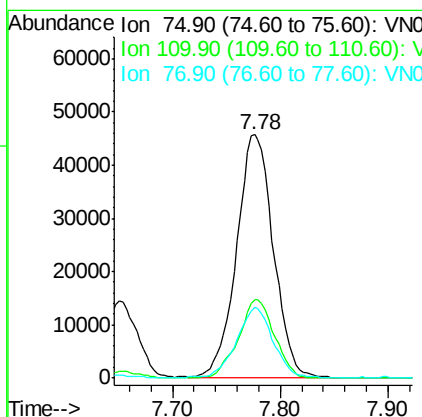
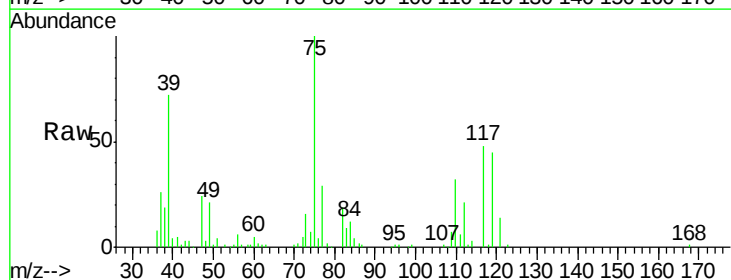
RT: 7.78 min Scan# 1867

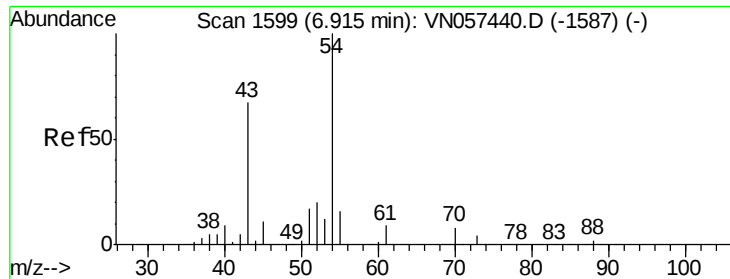
Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	75	Resp:	108847
Ion Ratio	Lower	Upper	
75	100		
110	31.5	16.1	48.3
77	29.1	24.8	37.2





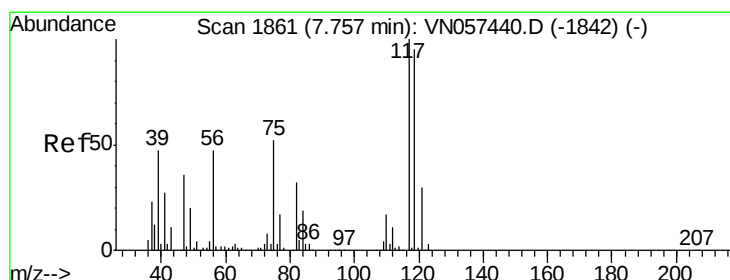
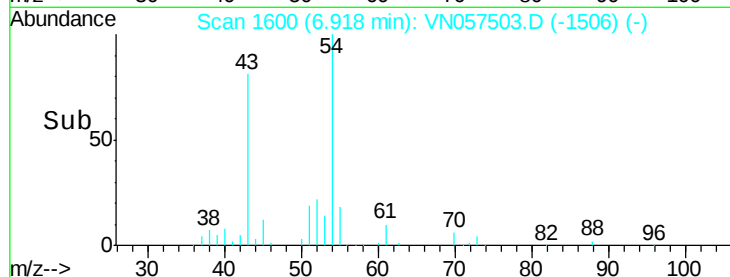
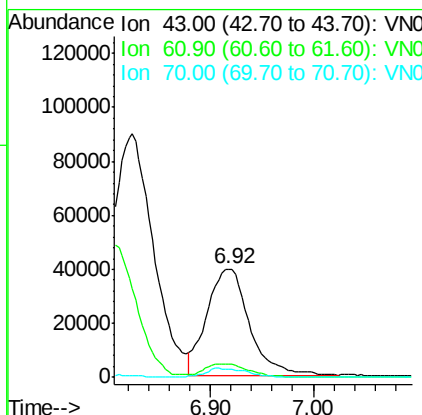
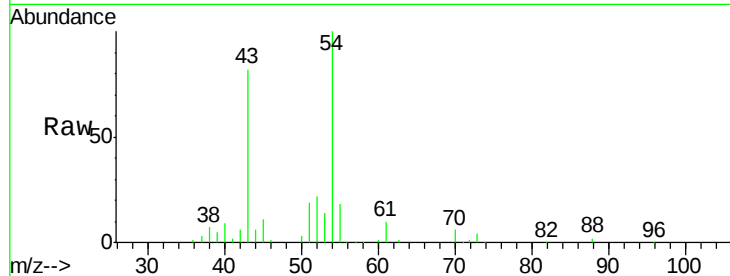
#37
Ethyl Acetate
Concen: 18.435 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleID :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.9	14.9
70	8.3	7.0	10.6

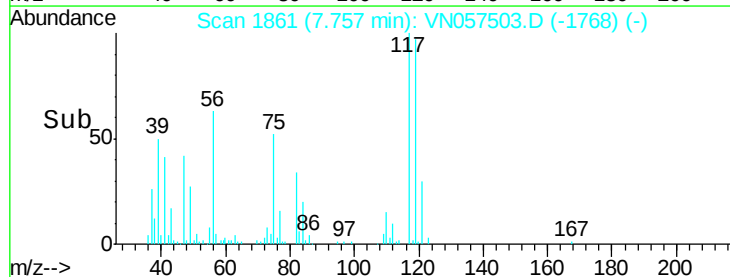
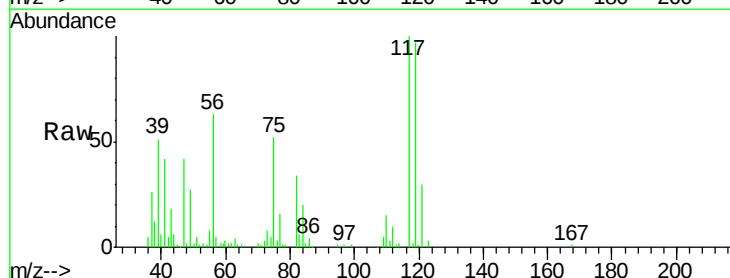
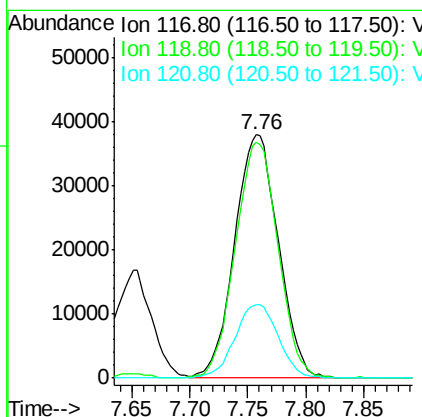
Manual Integrations
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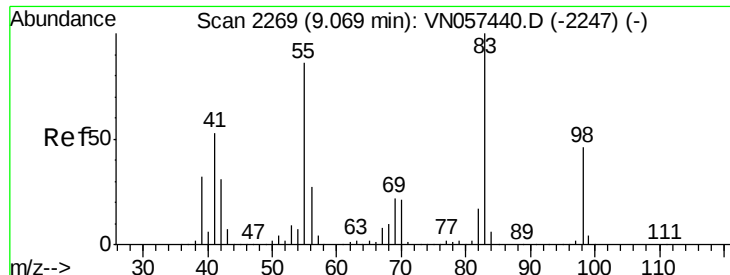
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#38
Carbon Tetrachloride
Concen: 16.181 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.4
121	30.3	23.8	35.6





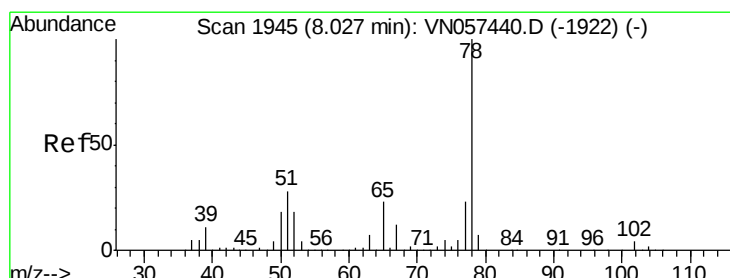
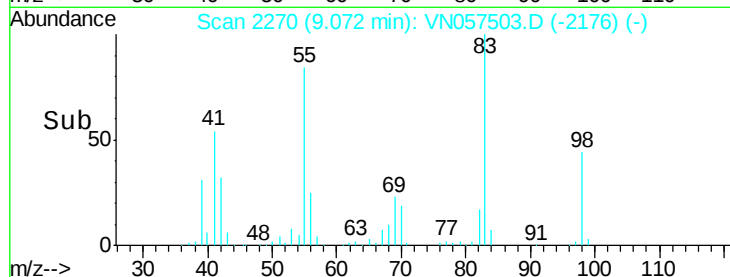
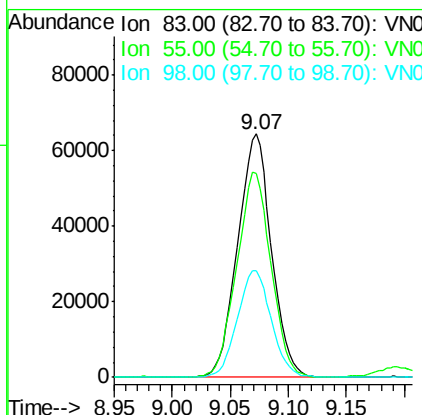
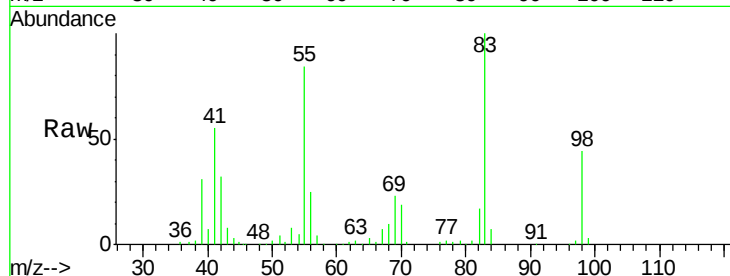
#39
Methvlcvclohexane
Concen: 17.726 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	68.6	102.8
98	43.6	36.6	54.8

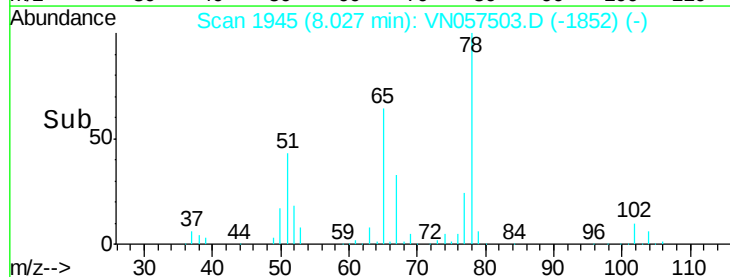
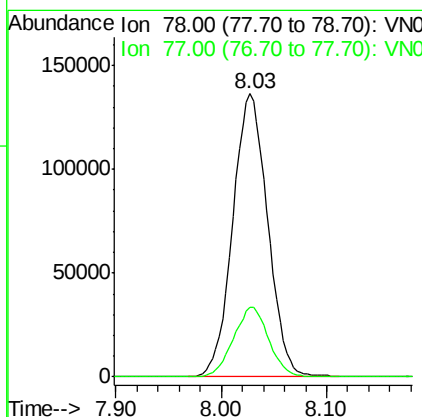
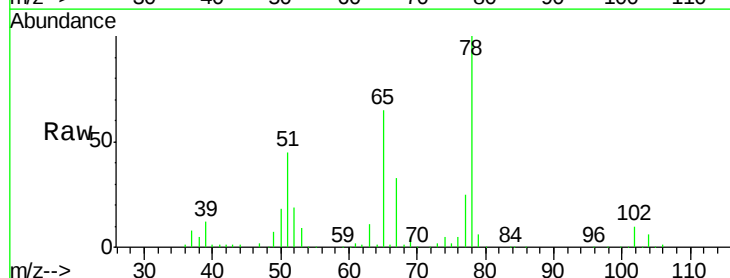
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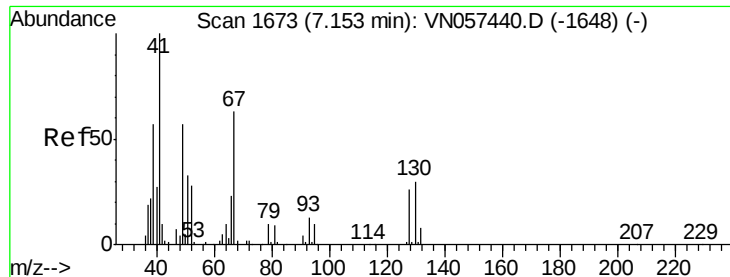
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#40
Benzene
Concen: 16.889 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.5	27.7





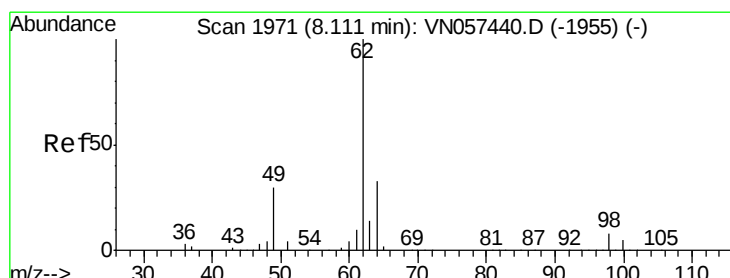
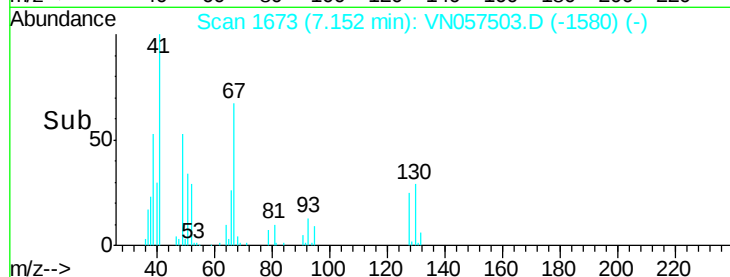
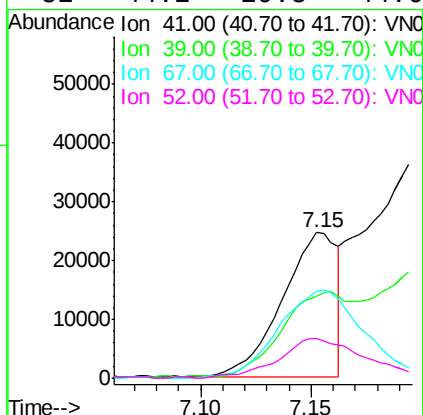
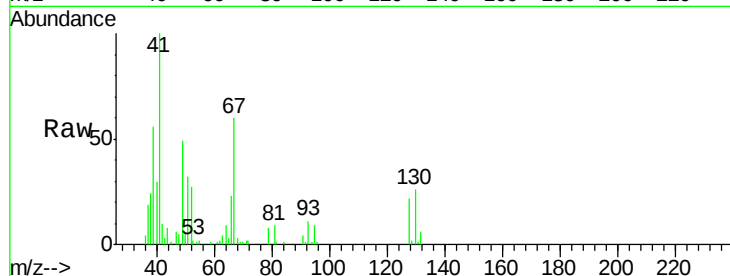
#41
Methacrylonitrile
Concen: 14.397 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	41	Resp	42012
Ion	Ratio	Lower	Upper
41	100		
39	71.6	53.6	80.4
67	97.4	65.4	98.2
52	44.2	29.8	44.6

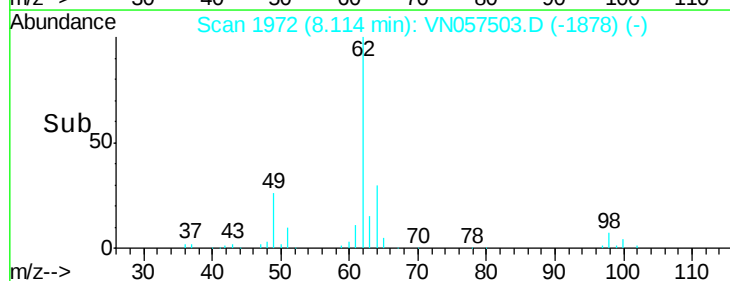
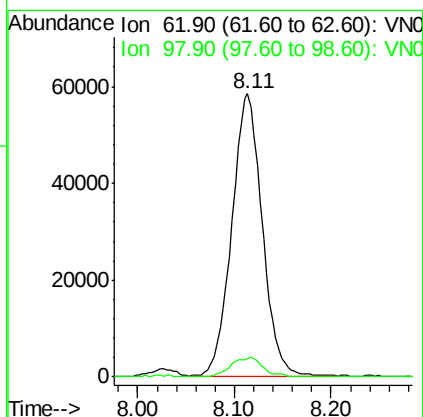
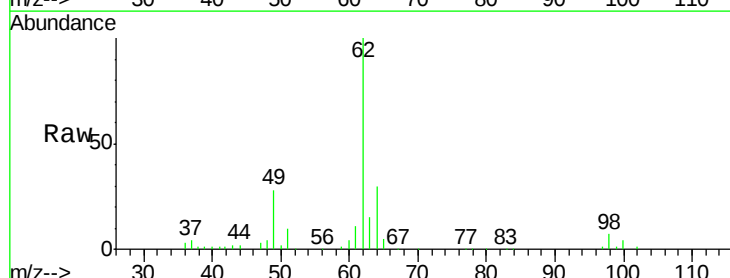
Manual Integrations
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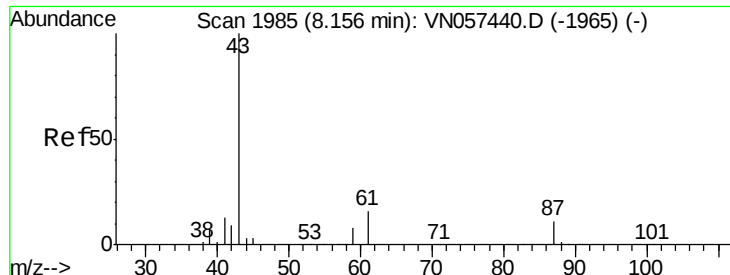
MMDadoda
8/27/2019 5:30:29 PM



#42
1,2-Dichloroethane
Concen: 17.832 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	62	Resp	127630
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.4





#43

Isopropyl Acetate

Concen: 17.247 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

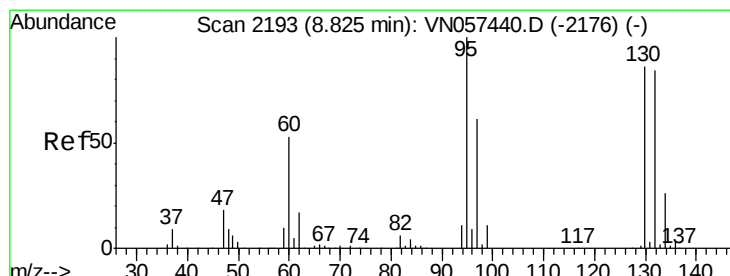
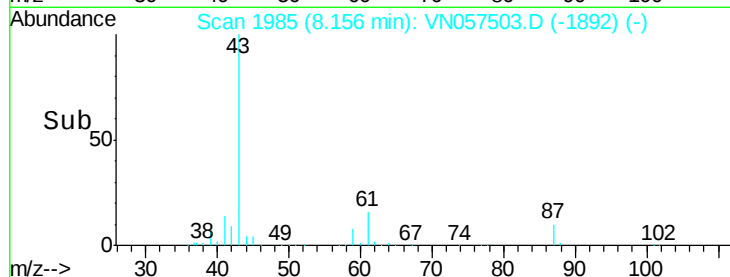
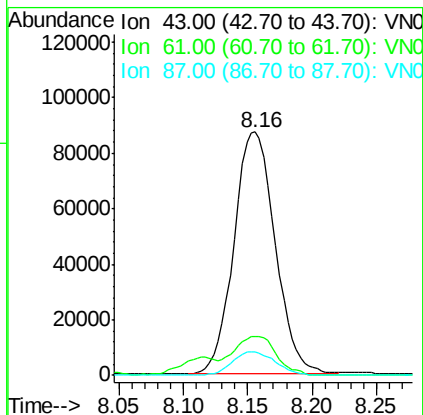
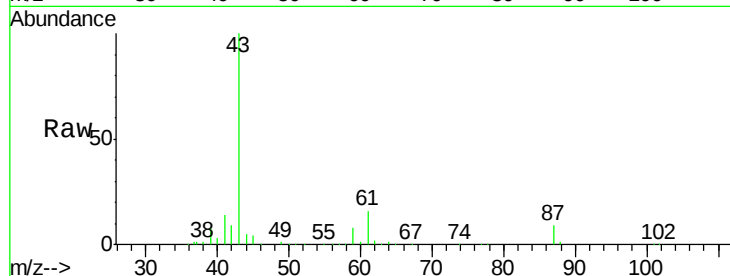
ClientSampleId :

VN0826WBSD01

Tot Ion:	43	Resp:	193537
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.5	21.7
87	10.2	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 17.544 ug/l

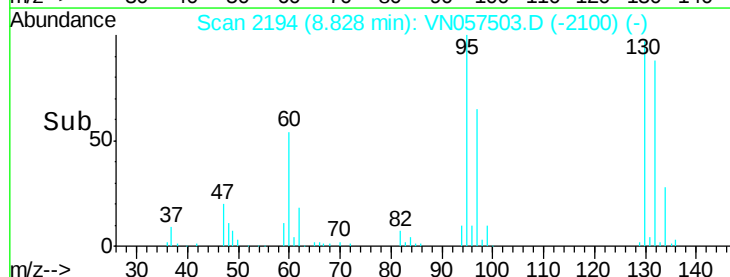
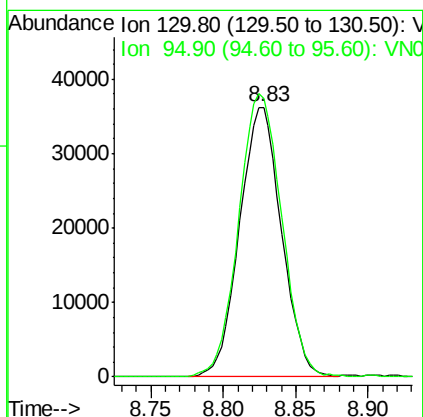
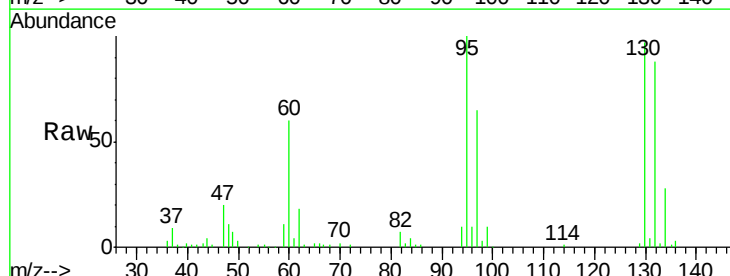
RT: 8.83 min Scan# 2194

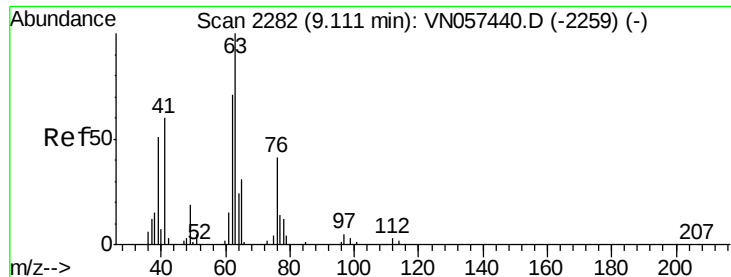
Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	130	Resp:	72799
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	231.6





#45

1,2-Dichloropropane

Concen: 17.675 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 63 Resp: 92532

Ion Ratio Lower Upper

63 100

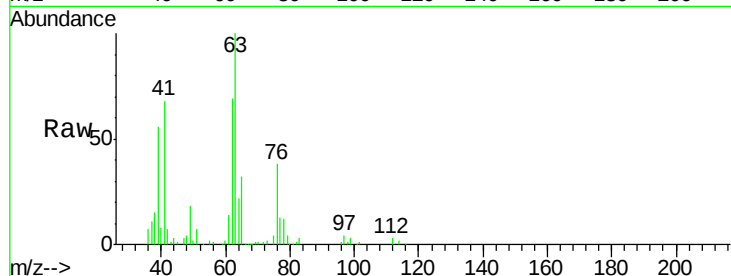
65 31.9 24.7 37.1

Manual Integrations

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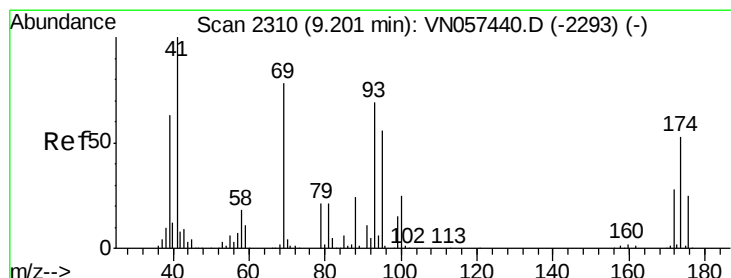
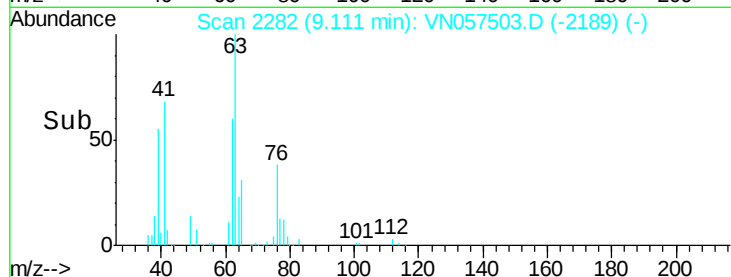
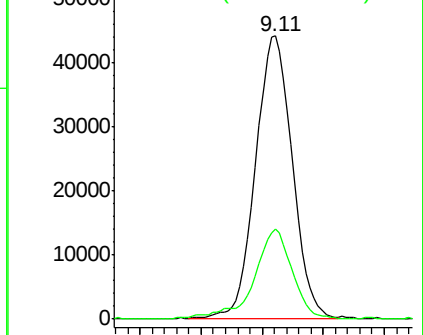
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.369 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

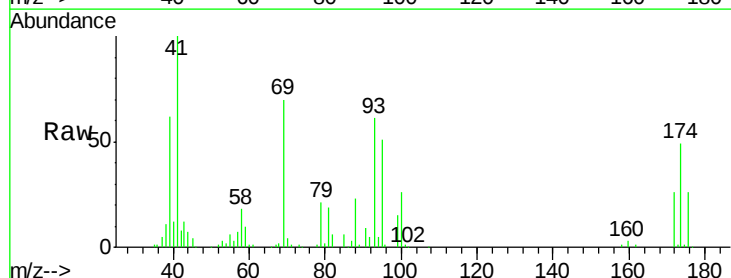
Tgt Ion: 93 Resp: 54051

Ion Ratio Lower Upper

93 100

95 83.5 64.7 97.1

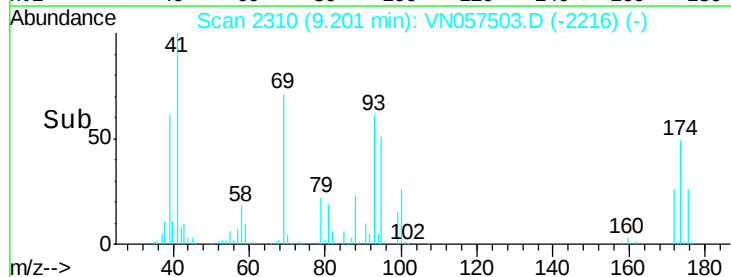
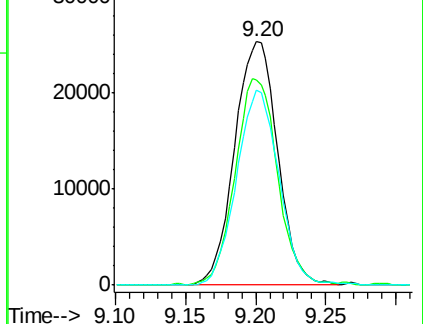
174 79.2 62.3 93.5

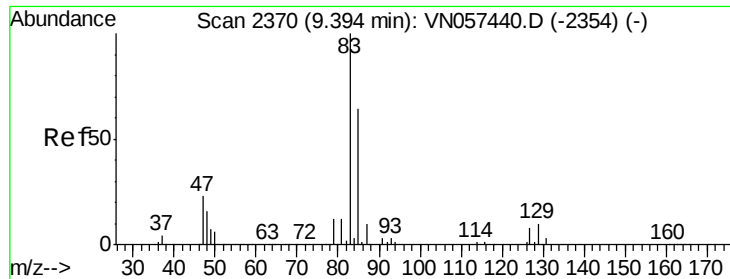


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.470 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

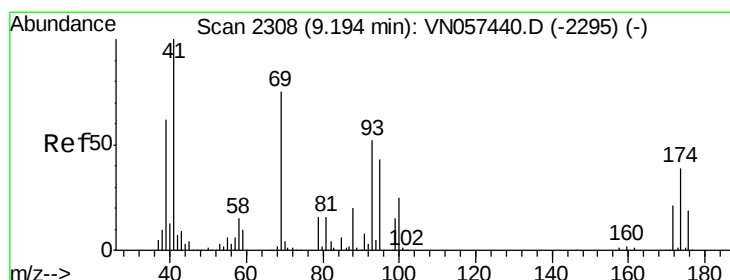
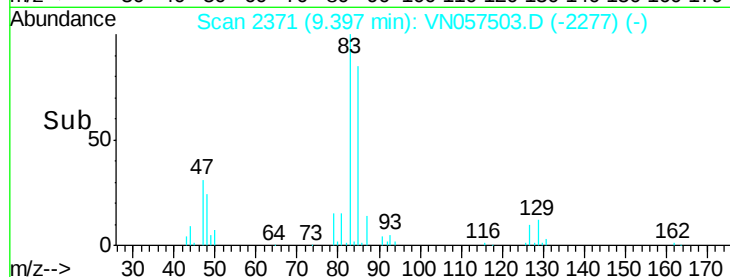
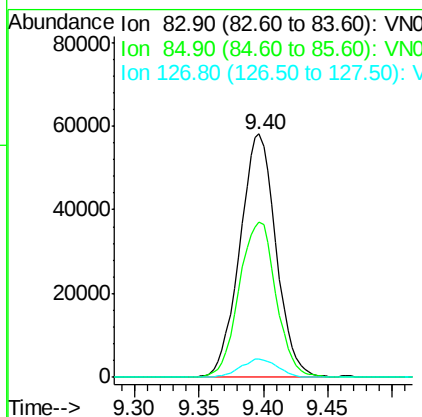
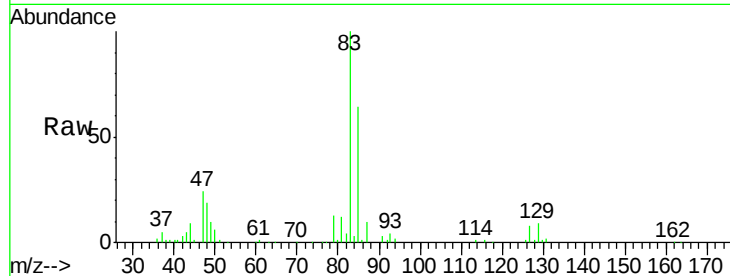
ClientSampleId :

VN0826WBSD01

Tot Ion:	83	Resp:	113754
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.2	76.8
127	7.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.301 ug/l

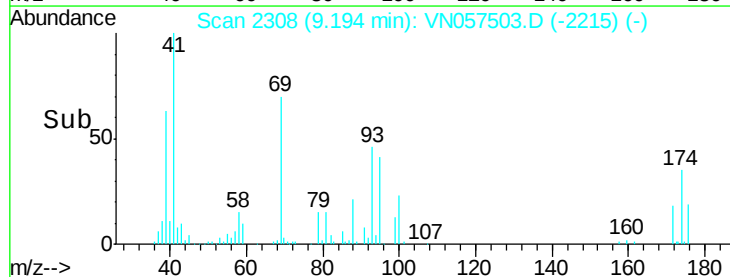
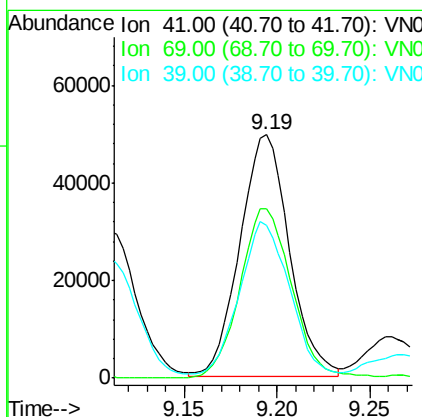
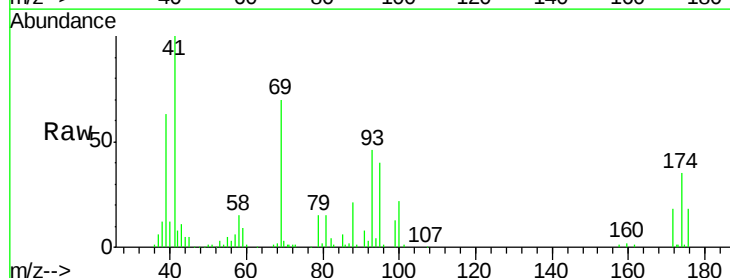
RT: 9.19 min Scan# 2308

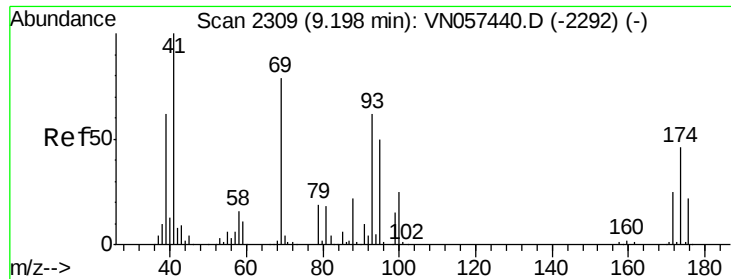
Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	41	Resp:	92317
Ion Ratio	Lower	Upper	
41	100		
69	73.4	59.3	88.9
39	64.8	50.6	75.8





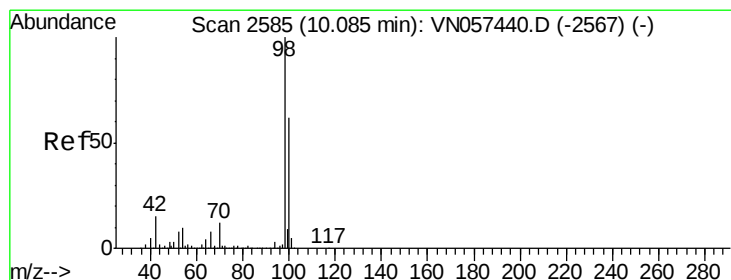
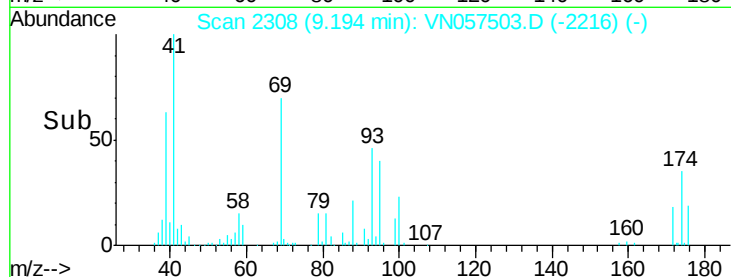
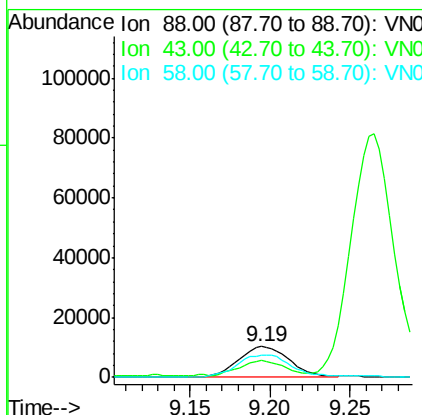
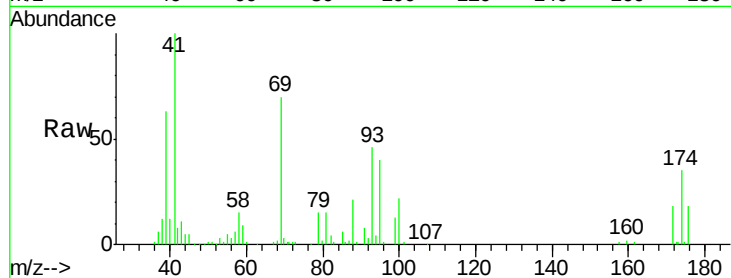
#49
1,4-Dioxane
Concen: 329.282 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	31.0	46.6
58	76.6	64.5	96.7

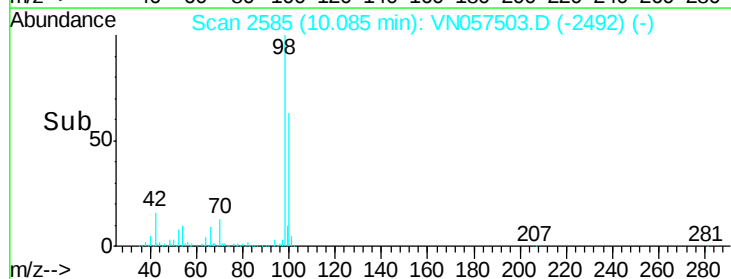
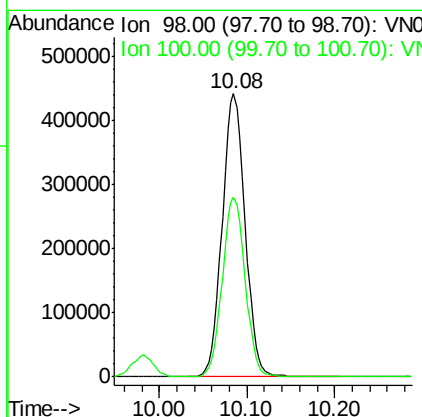
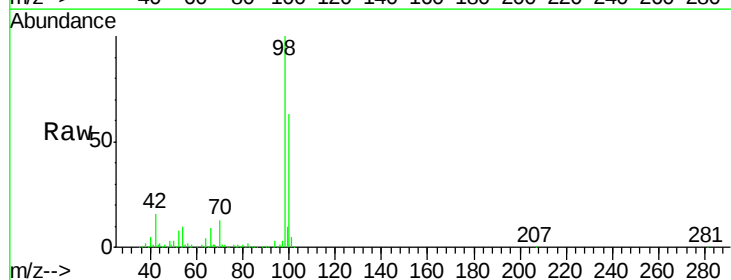
Manual Integrations
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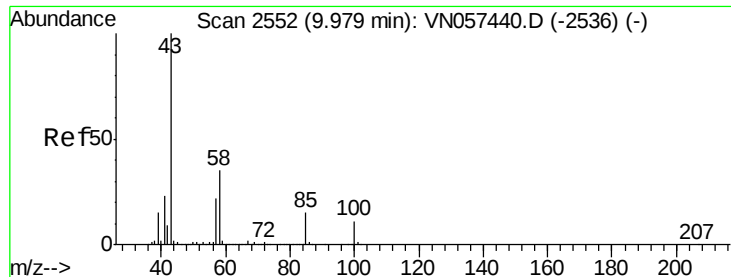
MMDadoda
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#50
Toluene-d8
Concen: 51.785 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 89.332 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0826WBSD01

Tot Ion: 43 Resp: 558664

Ion Ratio Lower Upper

43 100

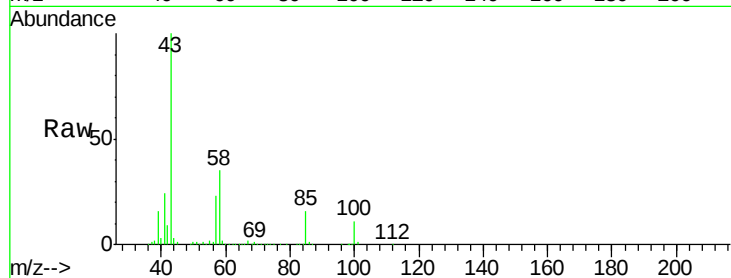
58 35.0 27.9 41.9

Manual Integrations

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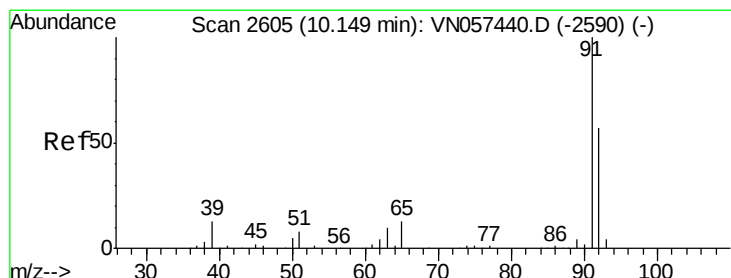
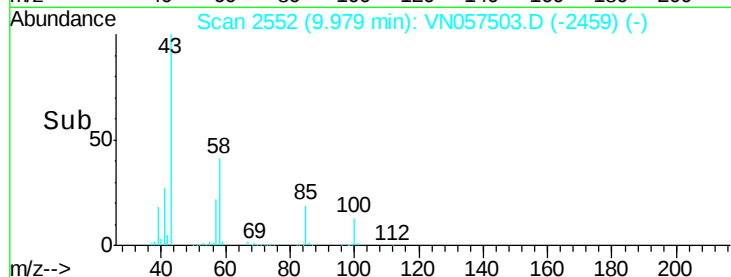
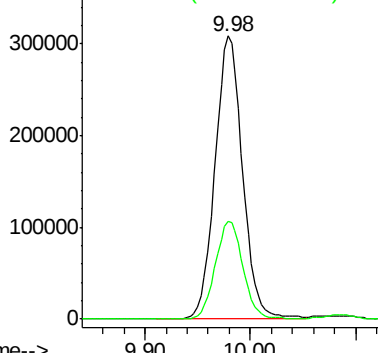
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.146 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057503.D

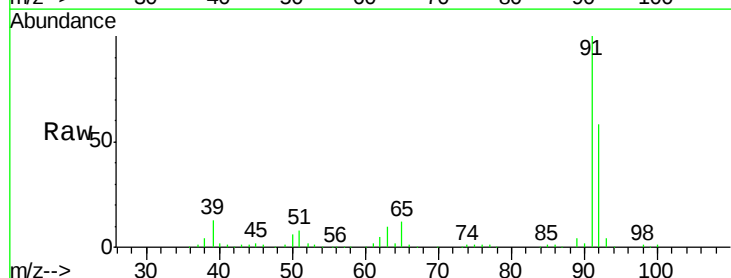
Acq: 26 Aug 2019 11:37

Tgt Ion: 92 Resp: 194409

Ion Ratio Lower Upper

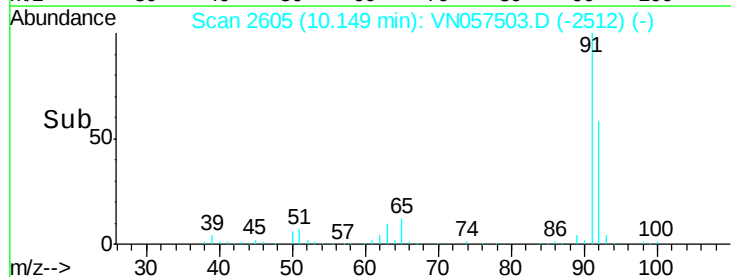
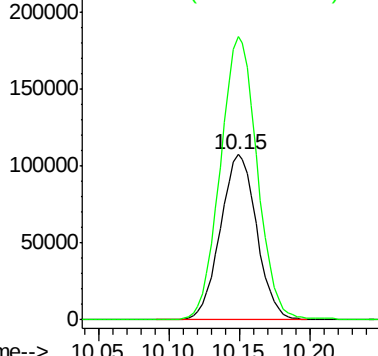
92 100

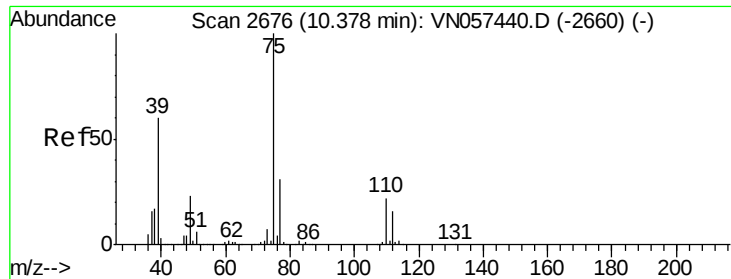
91 173.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





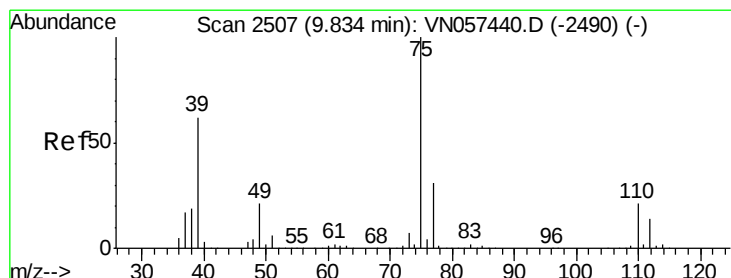
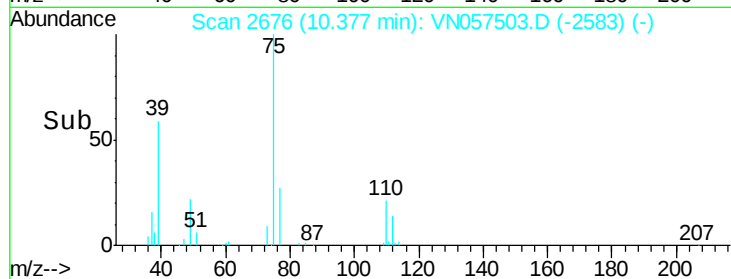
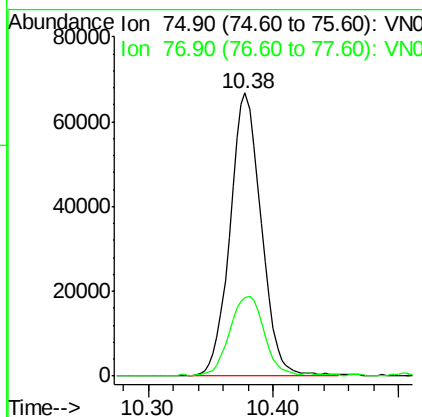
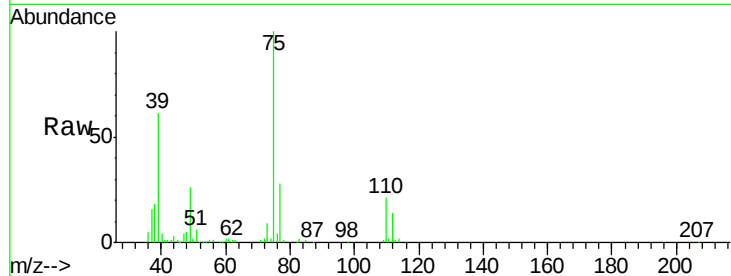
#53
t-1,3-Dichloropropene
Concen: 15.958 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion: 75 Resp: 115448
Ion Ratio Lower Upper
75 100
77 27.3 25.0 37.6

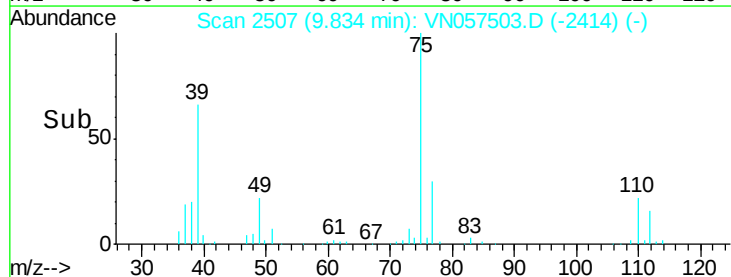
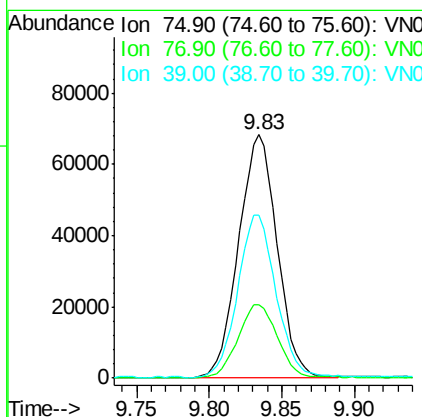
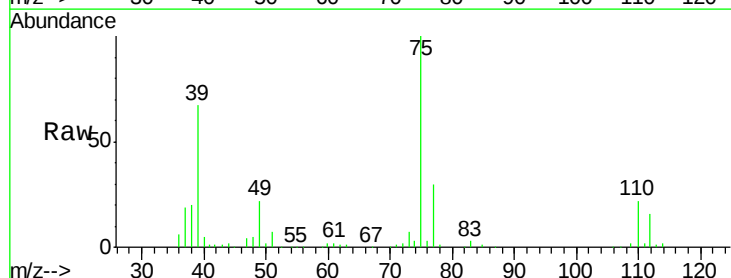
Manual Integrations
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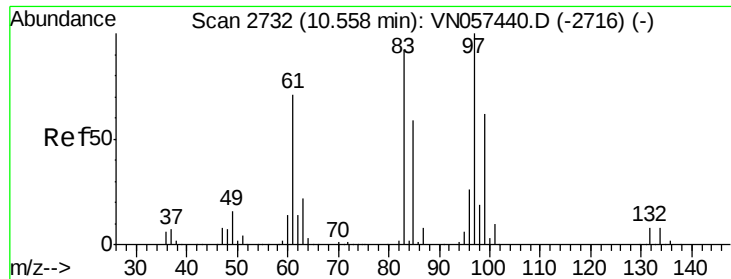
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 15.713 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion: 75 Resp: 126569
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6
39 66.4 49.2 73.8





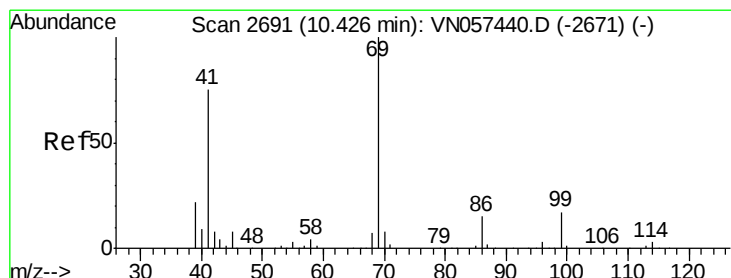
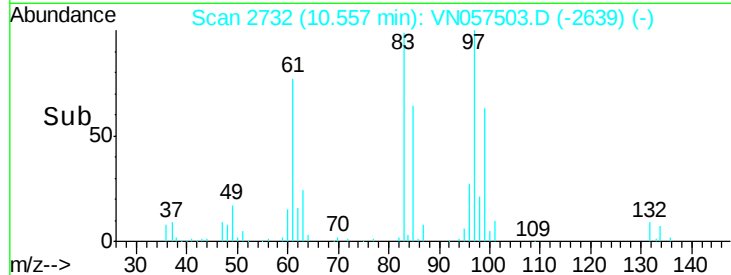
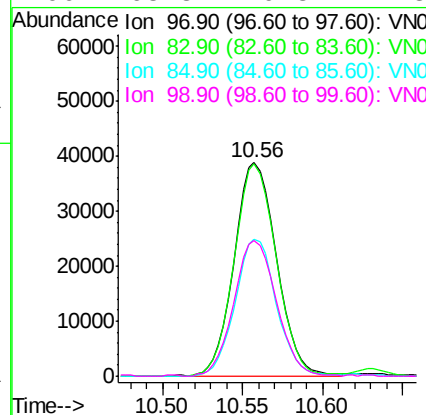
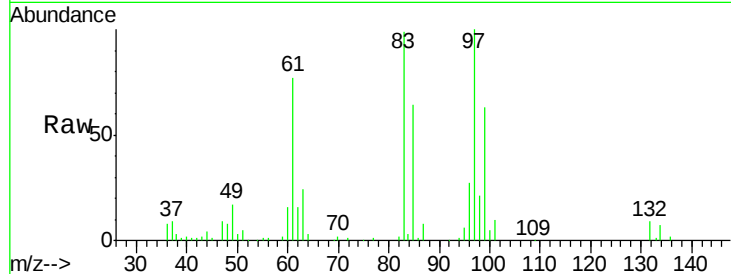
#55
 1,1,2-Trichloroethane
 Concen: 16.304 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	98.9	73.7	110.5
85	64.3	46.8	70.2
99	63.3	49.8	74.8

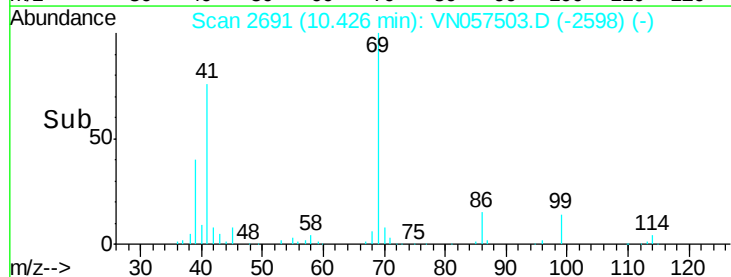
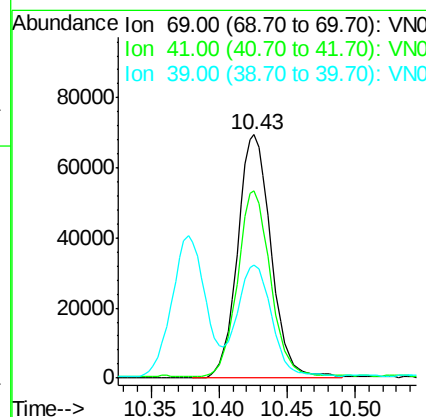
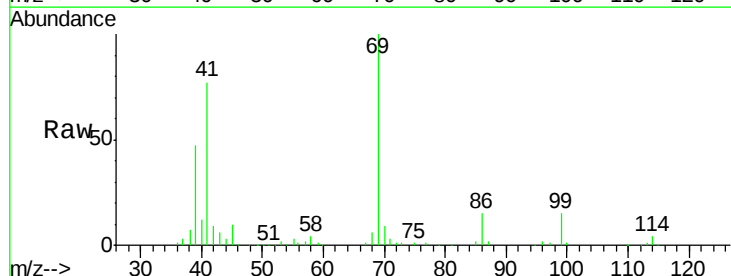
Manual Integrations
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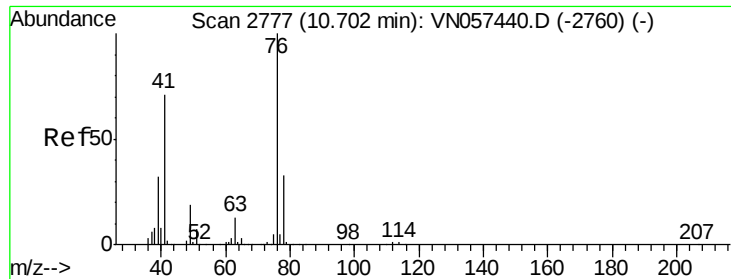
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#56
 Ethyl methacrylate
 Concen: 17.347 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.8	91.2
39	46.3	36.5	54.7





#57

1,3-Dichloropropane

Concen: 17.474 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 76 Resp: 131765

Ion Ratio Lower Upper

76 100

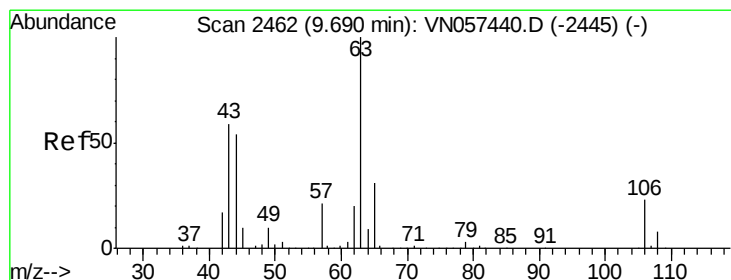
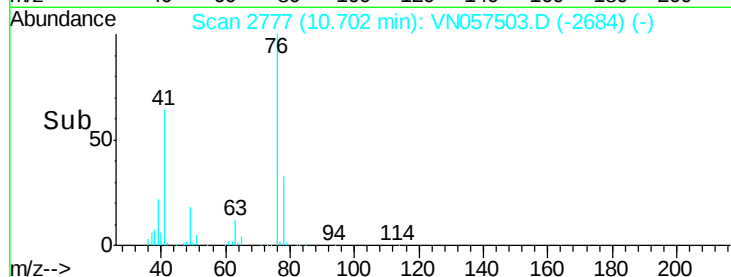
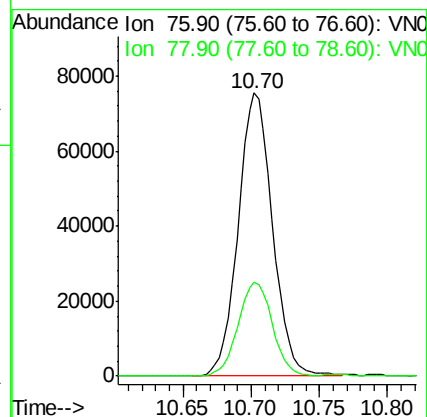
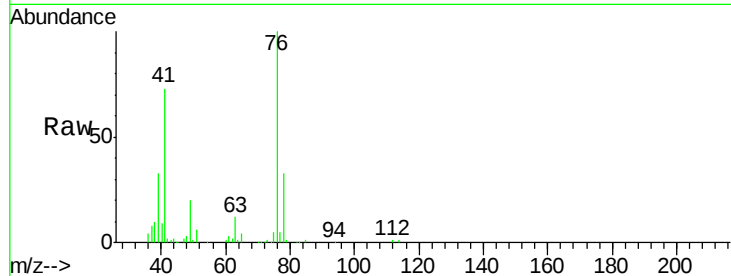
78 33.2 25.5 38.3

Manual Integrations

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8/27/2019 5:30:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.306 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057503.D

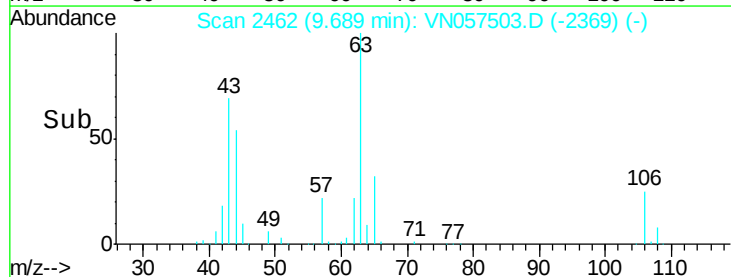
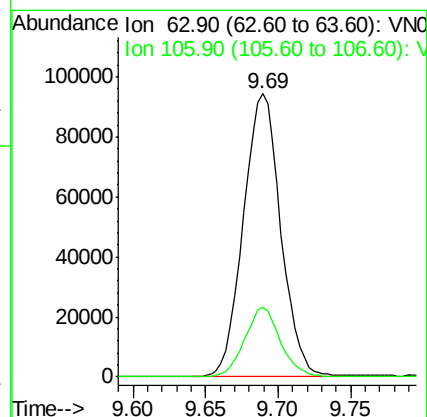
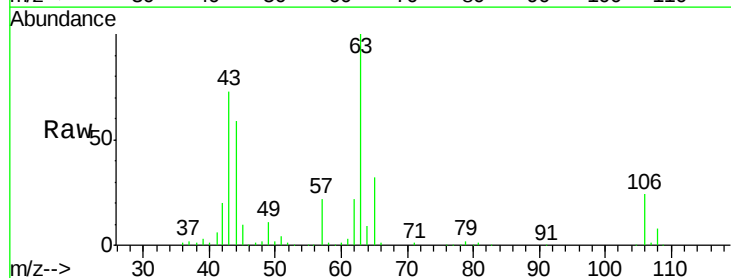
Acq: 26 Aug 2019 11:37

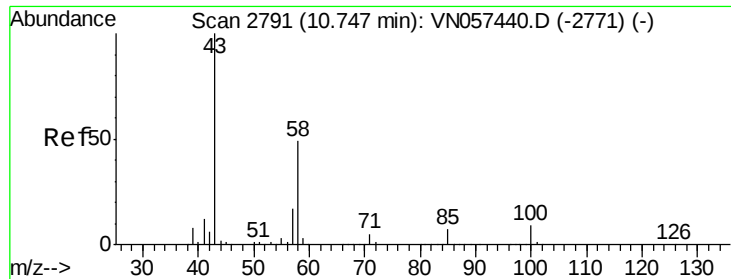
Tgt Ion: 63 Resp: 169581

Ion Ratio Lower Upper

63 100

106 23.4 18.6 27.8





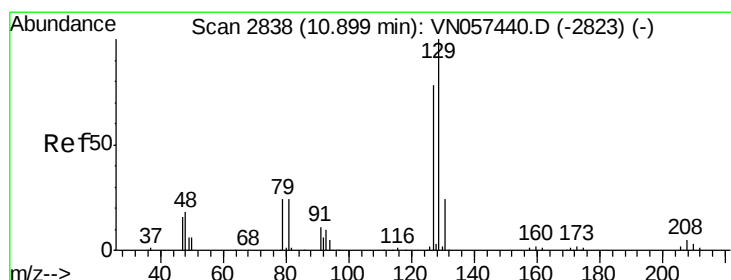
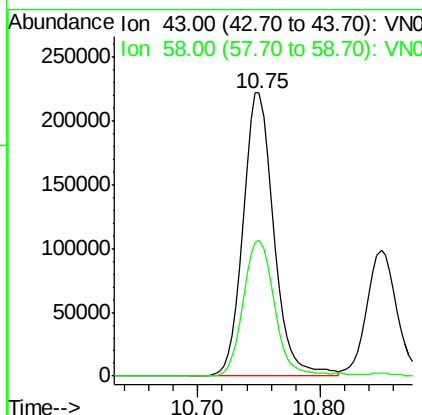
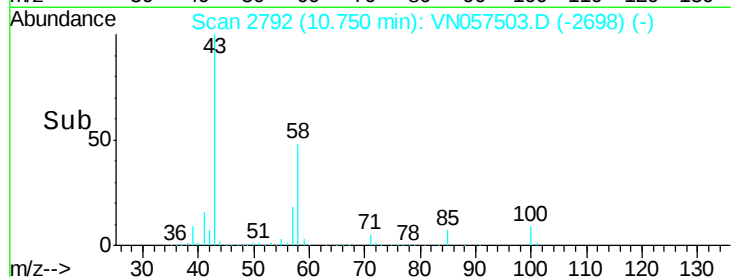
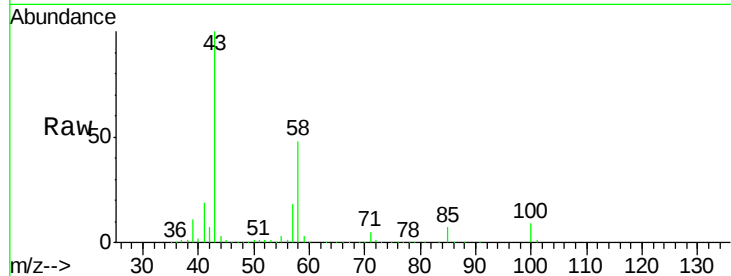
#59
2-Hexanone
Concen: 88.997 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion: 43 Resp: 381742
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.6

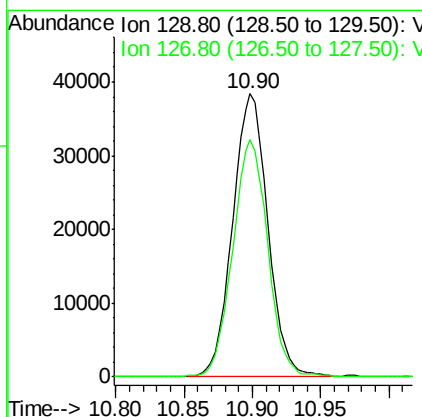
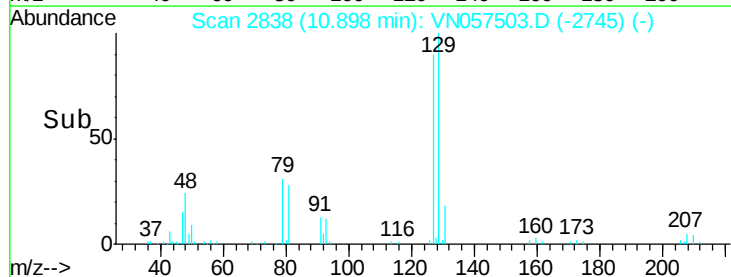
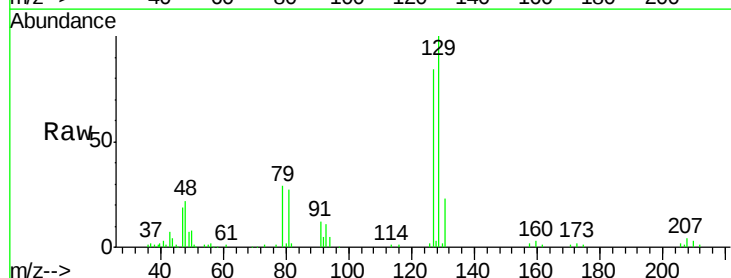
Manual Integrations
APPROVED

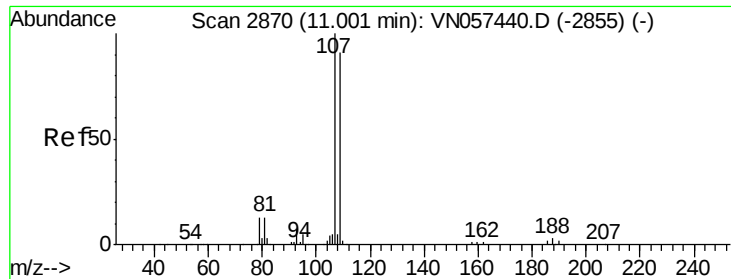
MMDadoda
8/27/2019 5:30:29 PM



#60
Dibromochloromethane
Concen: 15.050 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion: 129 Resp: 68908
Ion Ratio Lower Upper
129 100
127 83.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.033 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion:107 Resp: 72382

Ion Ratio Lower Upper

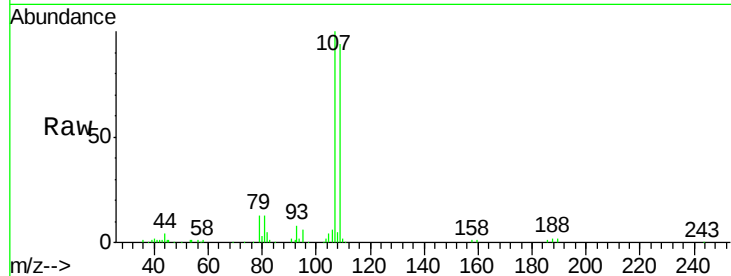
107 100

109 93.0 73.8 110.8

Manual Integrations
APPROVED

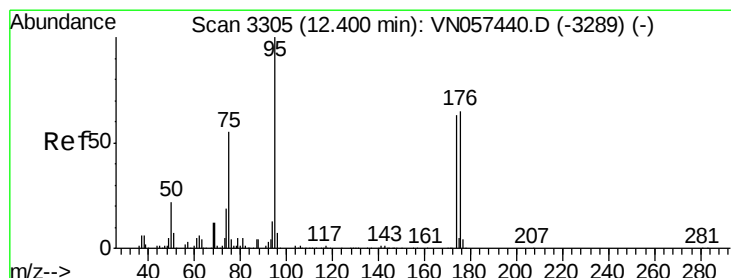
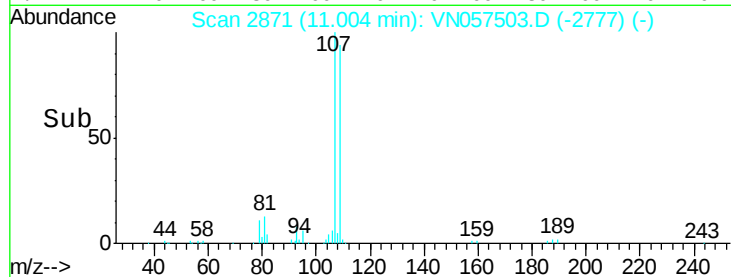
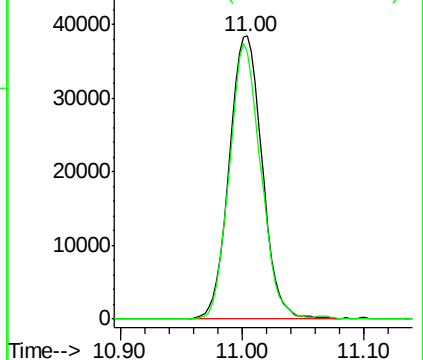
MMDadoda

8/27/2019 5:30:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.041 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

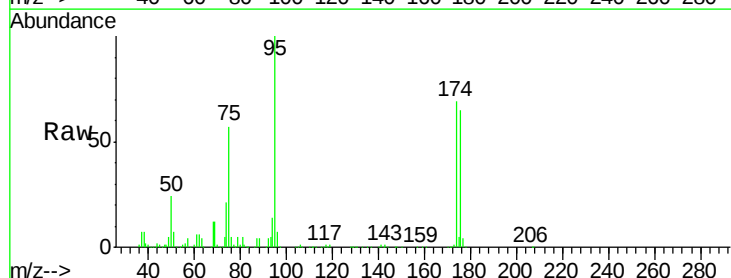
Tgt Ion: 95 Resp: 257272

Ion Ratio Lower Upper

95 100

174 67.7 0.0 133.0

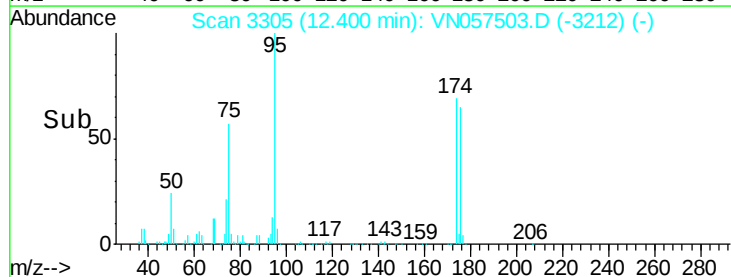
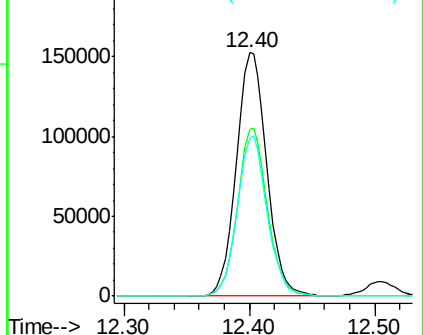
176 64.6 0.0 130.8

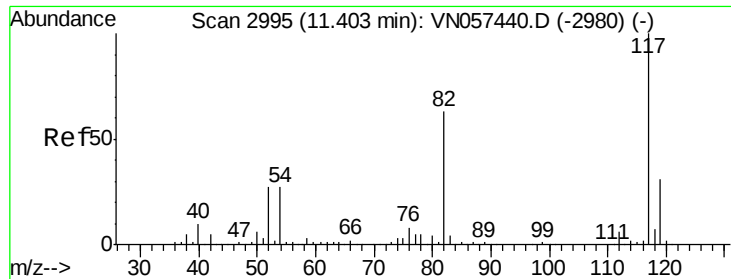


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





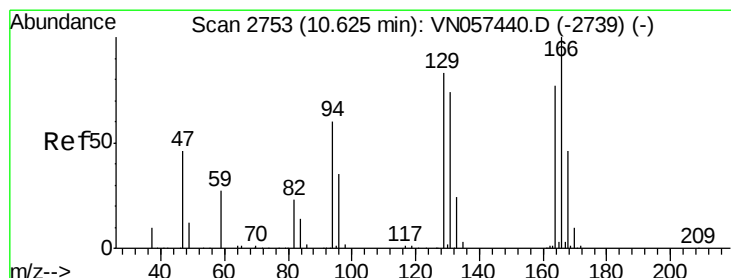
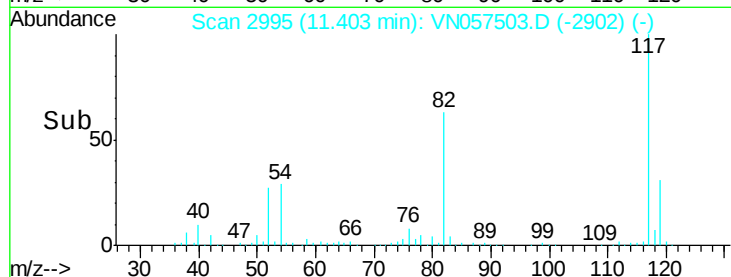
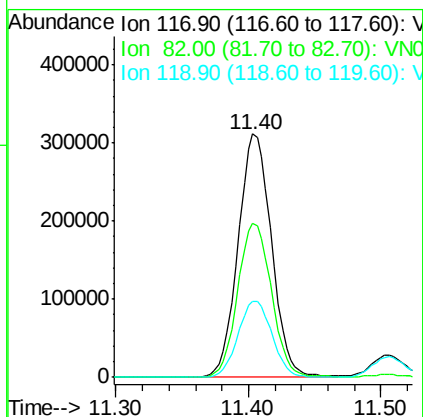
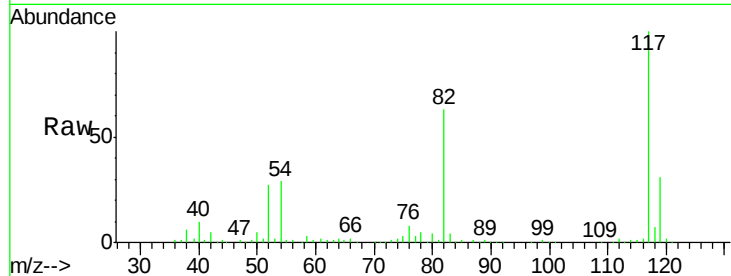
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	75.8
119	31.4	24.6	36.8

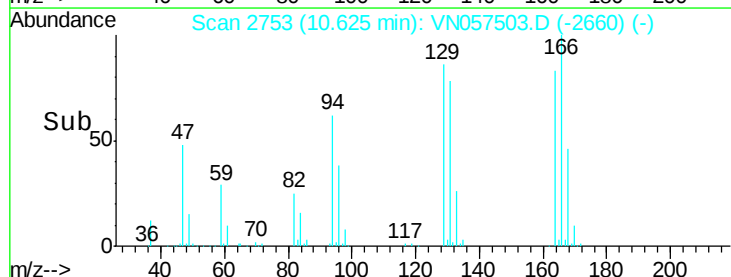
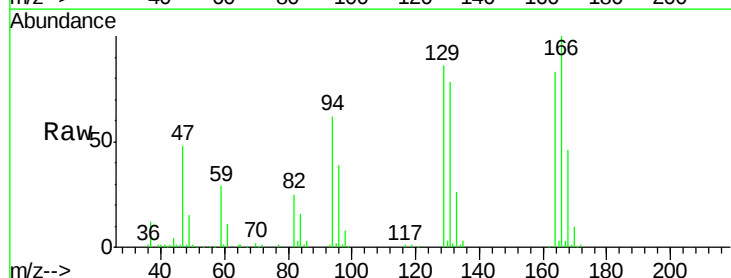
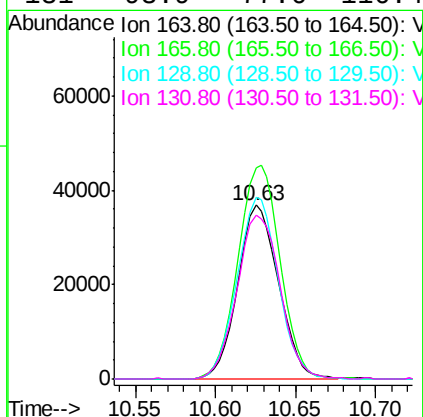
Manual Integrations
APPROVED

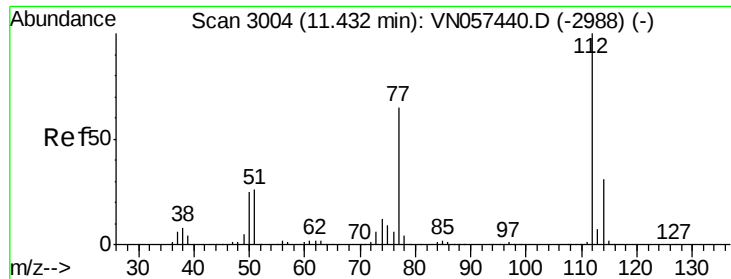
MMDadoda
8/27/2019 5:30:29 PM



#64
Tetrachloroethene
Concen: 16.791 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	104.4	156.6
129	104.2	86.6	130.0
131	93.9	77.6	116.4





#65

Chlorobenzene

Concen: 17.312 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion:112 Resp: 191308

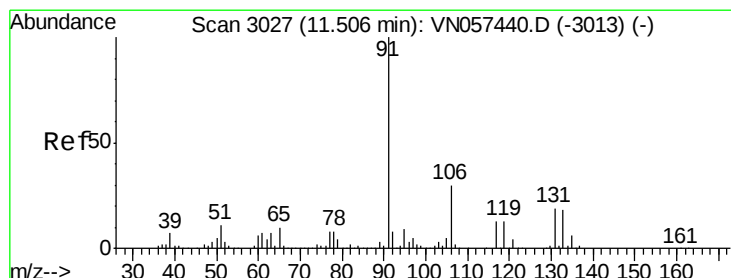
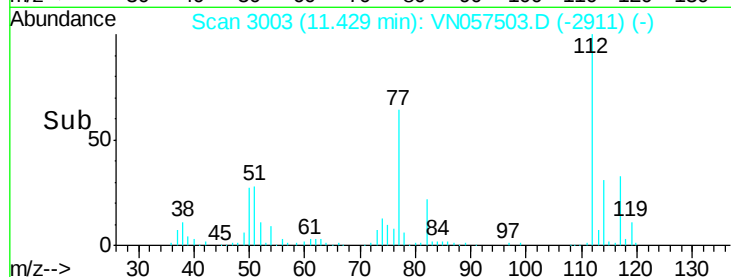
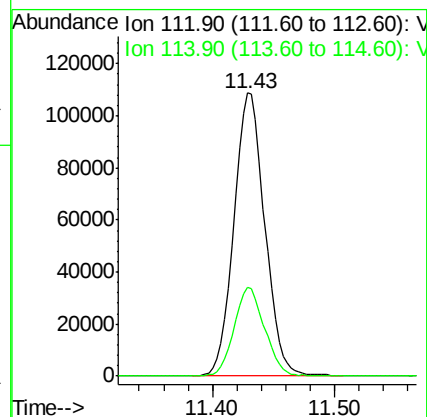
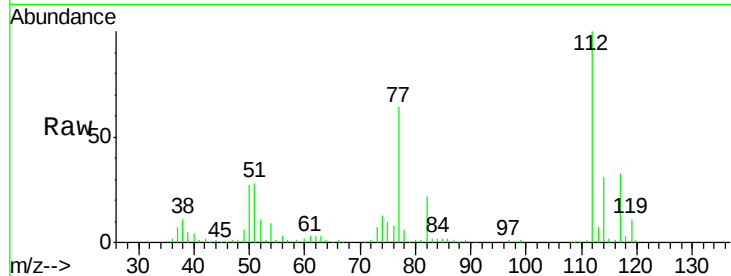
Ion Ratio Lower Upper

112 100

114 31.5 24.8 37.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 16.073 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

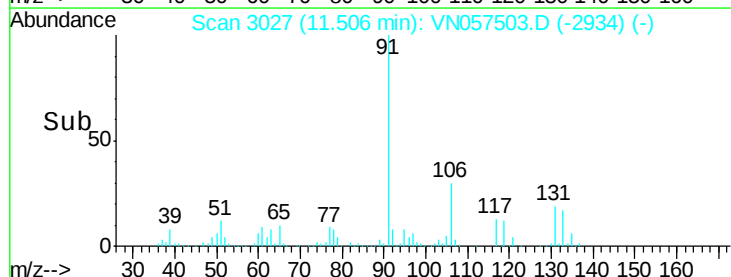
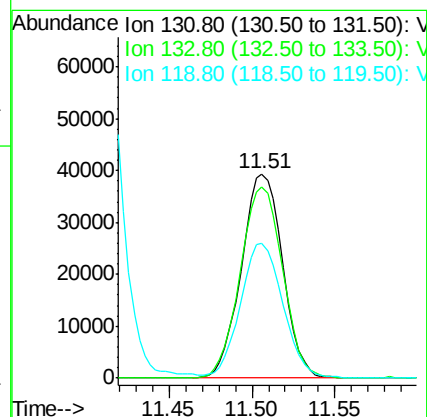
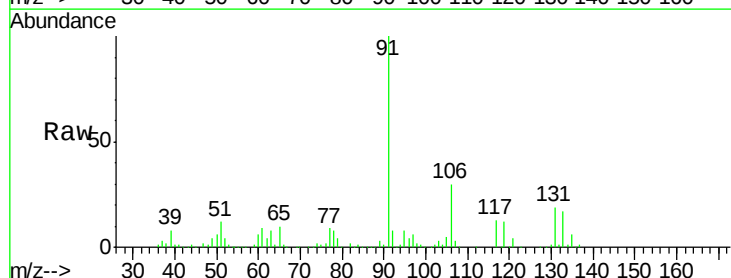
Tgt Ion:131 Resp: 68119

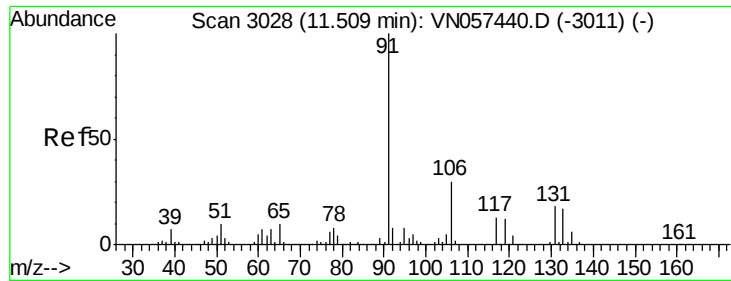
Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.8

119 68.2 34.4 103.2





#67

Ethyl Benzene

Concen: 17.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 91 Resp: 369117

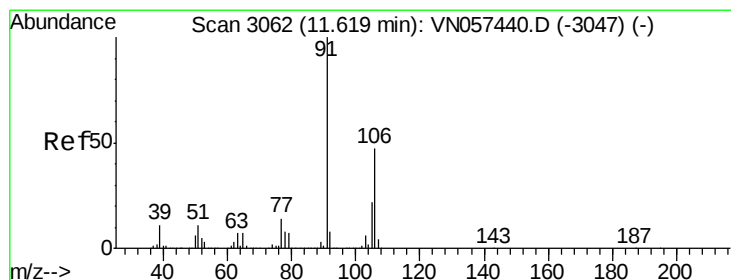
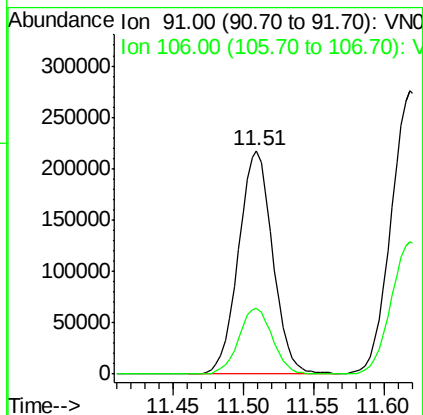
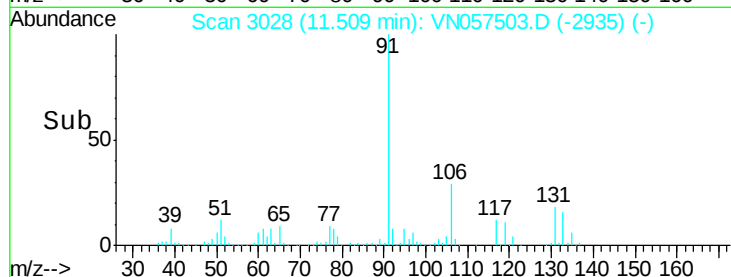
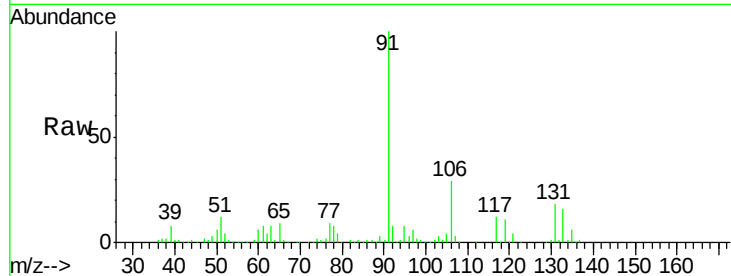
Ion Ratio Lower Upper

91 100

106 29.3 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 34.606 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057503.D

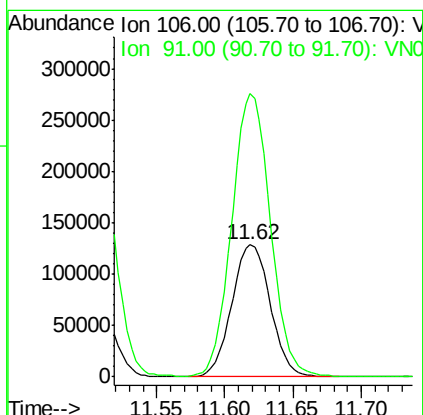
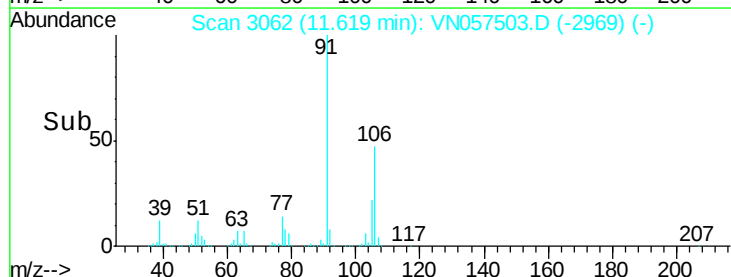
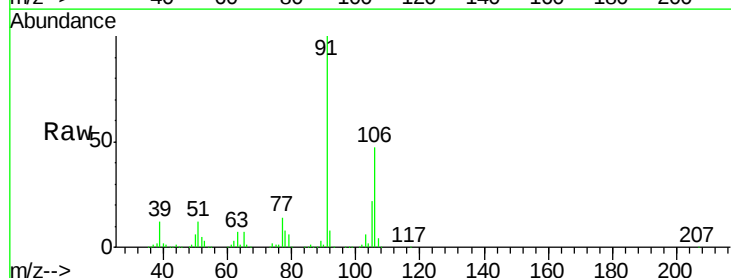
Acq: 26 Aug 2019 11:37

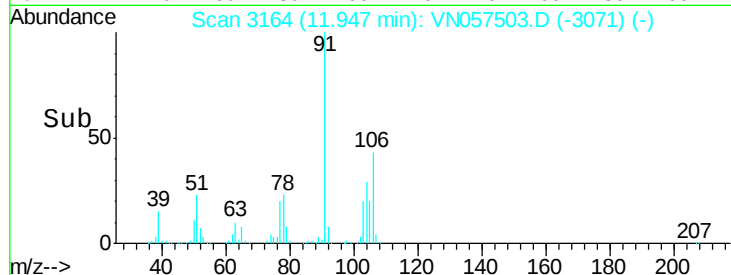
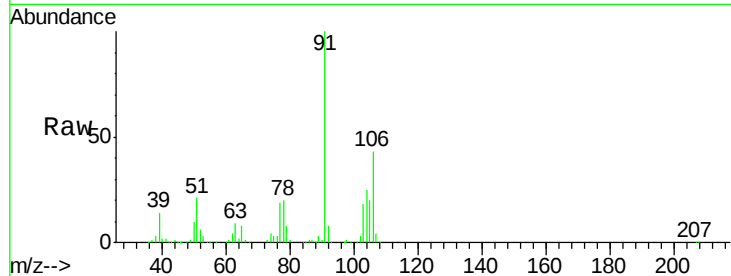
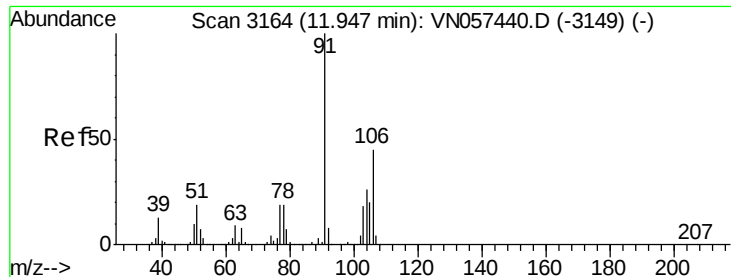
Tgt Ion: 106 Resp: 251736

Ion Ratio Lower Upper

106 100

91 214.7 171.8 257.6





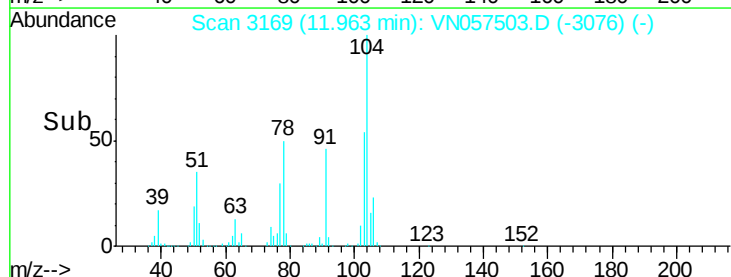
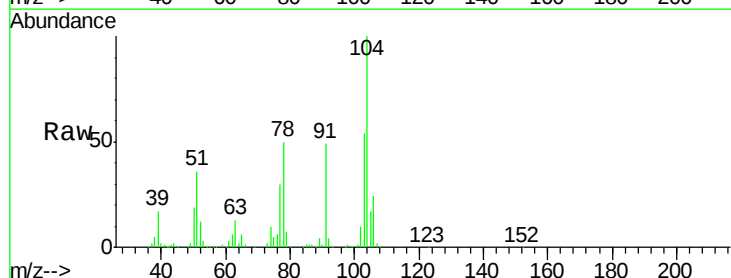
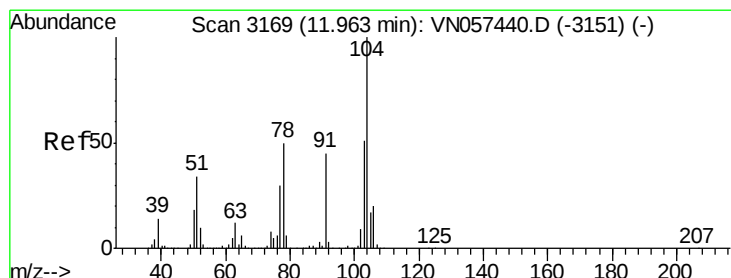
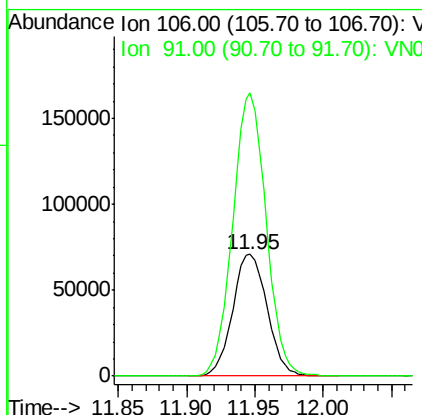
#69
o-Xylene
Concen: 17.295 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tot Ion	Ratio	Resp	Lower	Upper
106	100	124630		
91	224.4	112.3	336.9	

Instrument :
MSVOA_N
ClientSampled :
VN0826WBSD01

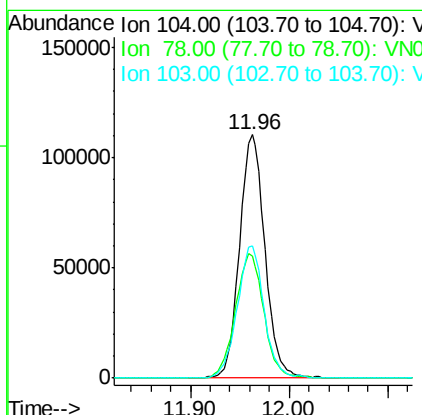
Manual Integrations
APPROVED

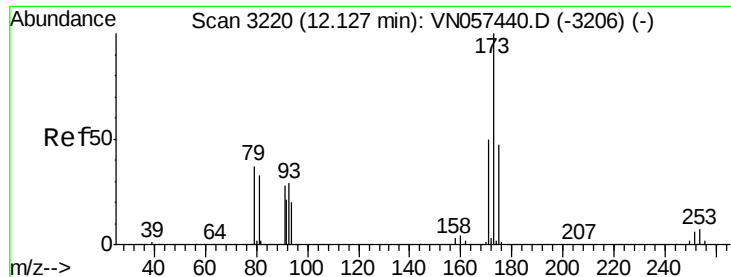
MMDadoda
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#70
Styrene
Concen: 17.232 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	196619		
78	57.3	44.7	67.1	
103	57.5	44.4	66.6	





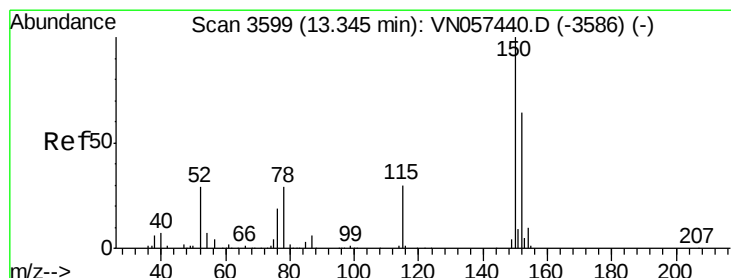
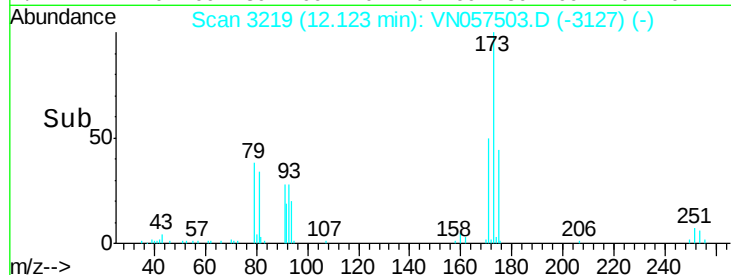
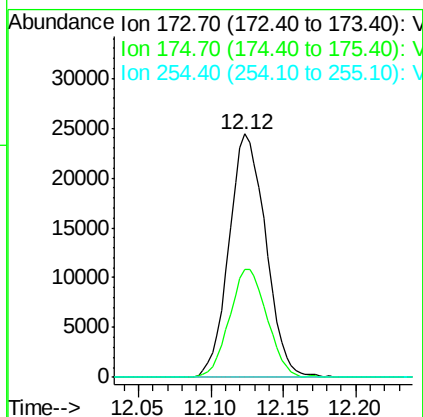
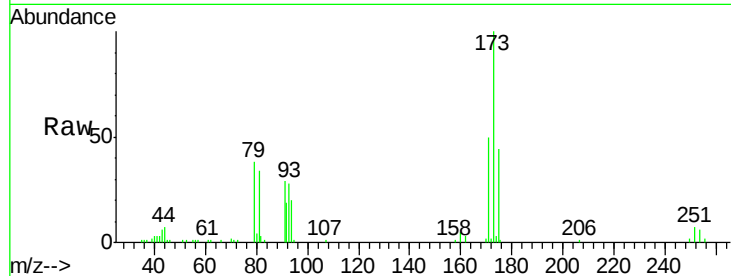
#71
Bromoform
Concen: 15.038 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.2	23.9	71.8
254	0.0	0.1	0.1#

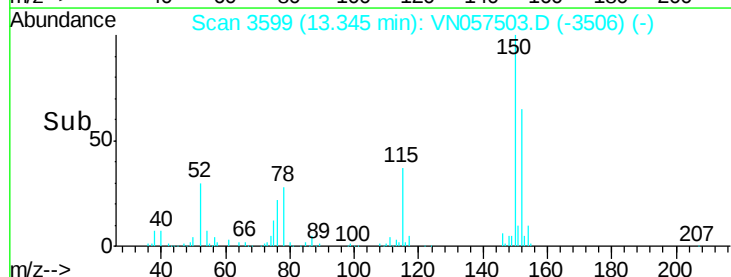
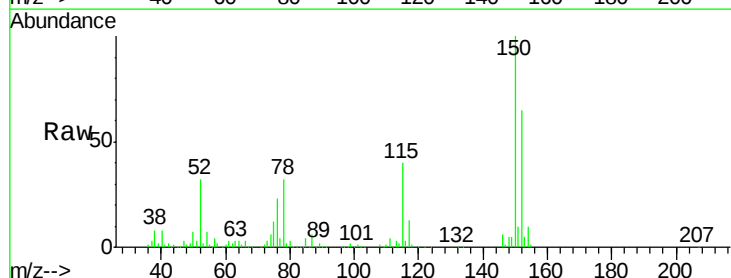
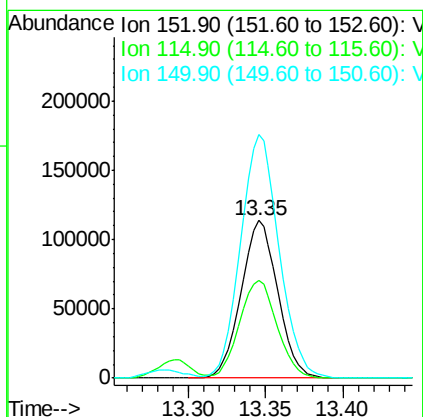
Manual Integrations
APPROVED

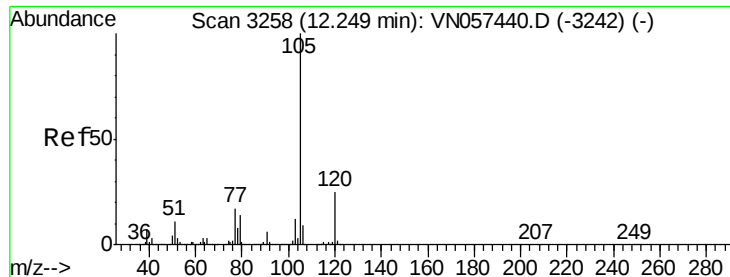
MMDadoda
8/27/2019 5:30:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	32.0	96.0
150	162.0	0.0	346.6





#73

Isopropylbenzene

Concen: 17.643 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 105 Resp: 335235

Ion Ratio Lower Upper

105 100

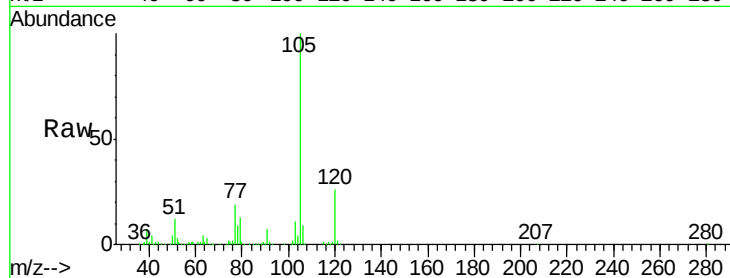
120 25.1 12.7 38.0

Manual Integrations

APPROVED

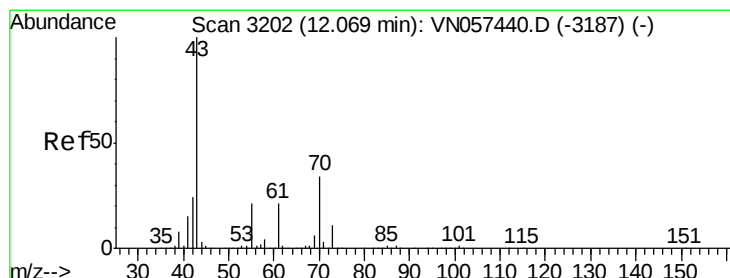
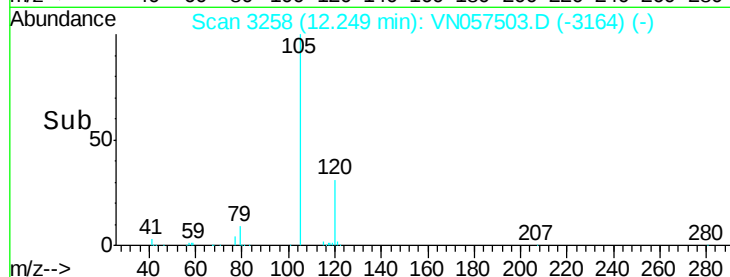
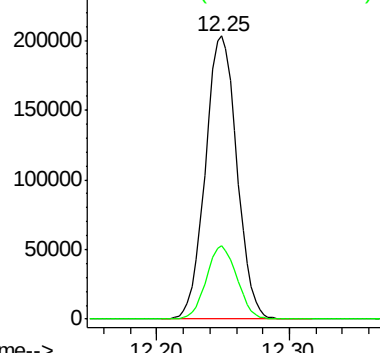
MMDadoda

8/27/2019 5:30:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.171 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion: 43 Resp: 151559

Ion Ratio Lower Upper

43 100

70 35.6 27.8 41.6

55 21.3 17.0 25.4

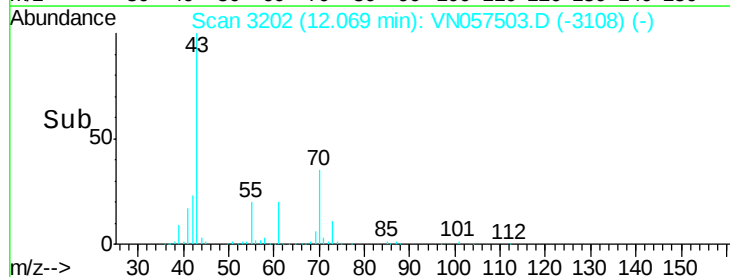
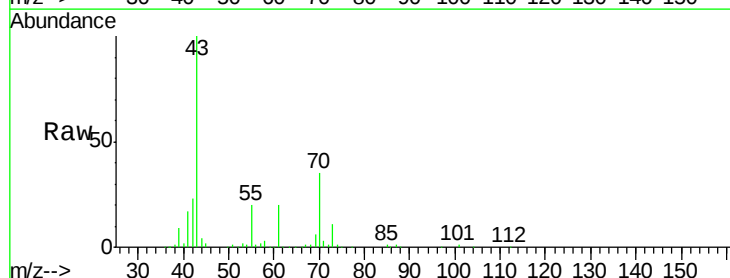
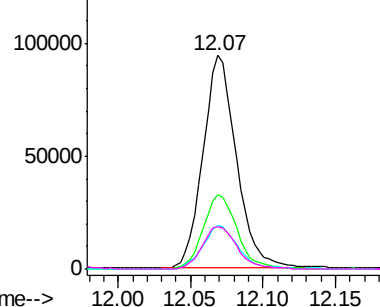
61 20.8 17.0 25.6

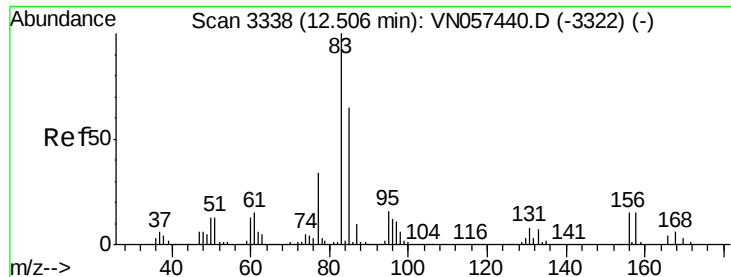
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

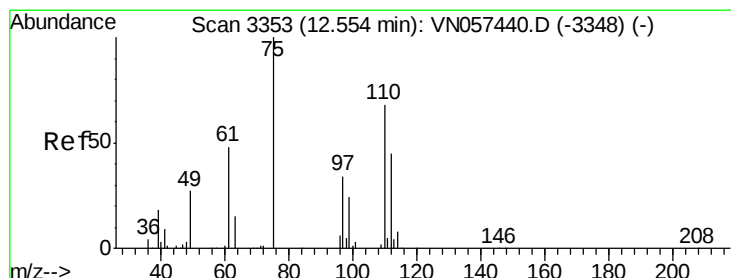
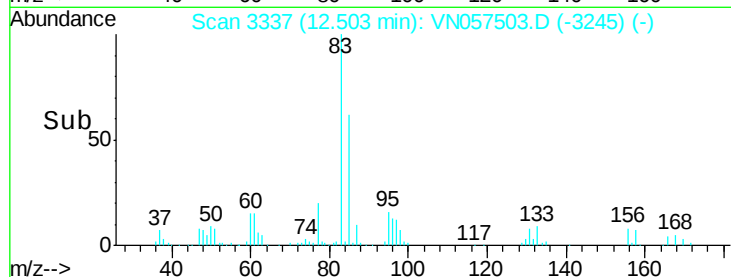
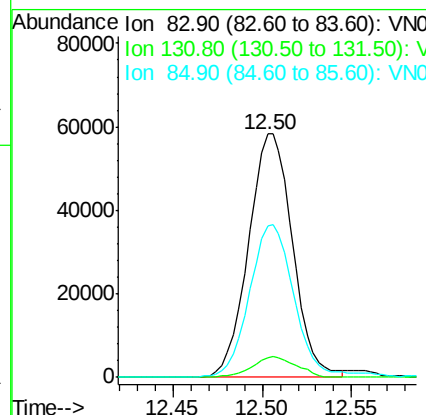
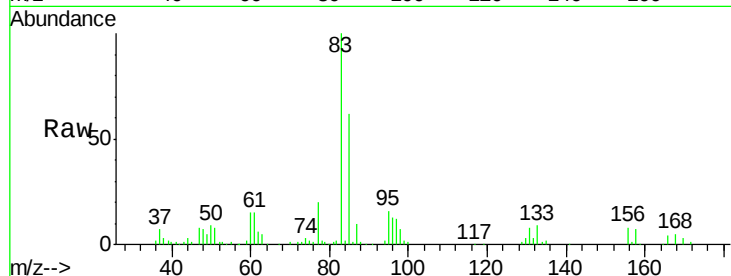
ClientSampleId :

VN0826WBSD01

Tot Ion:	83	Resp:	100700
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	13.1
85	64.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.445 ug/l m

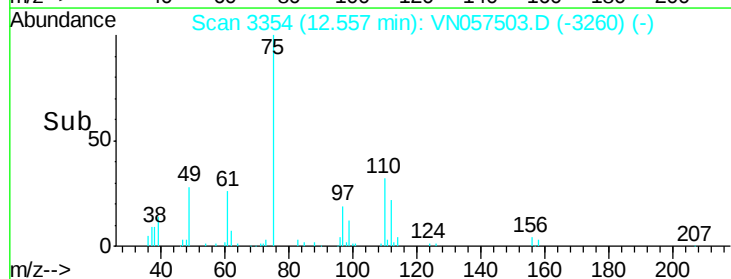
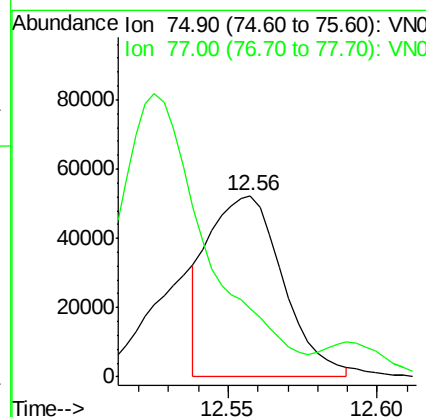
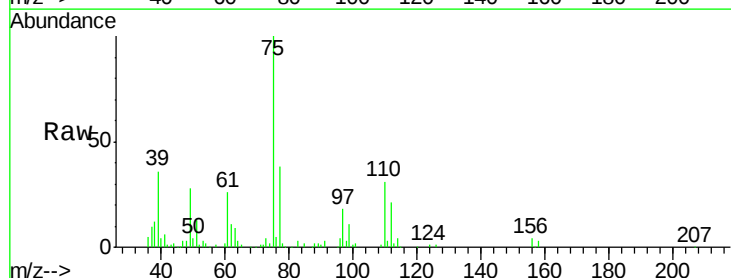
RT: 12.56 min Scan# 3354

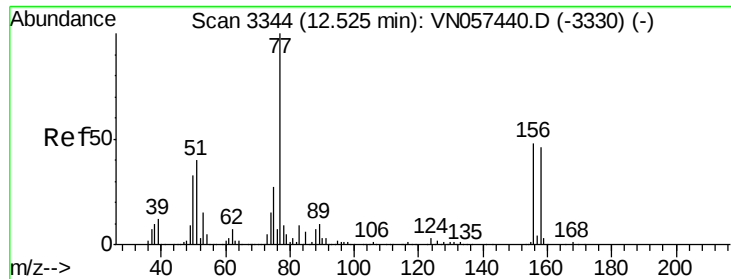
Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	75	Resp:	89950
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.178 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

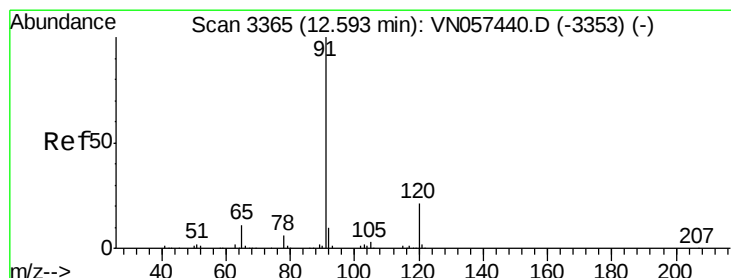
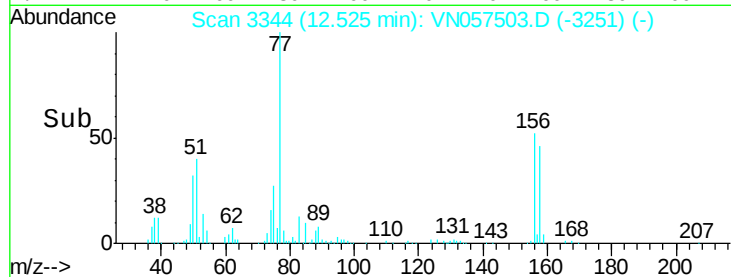
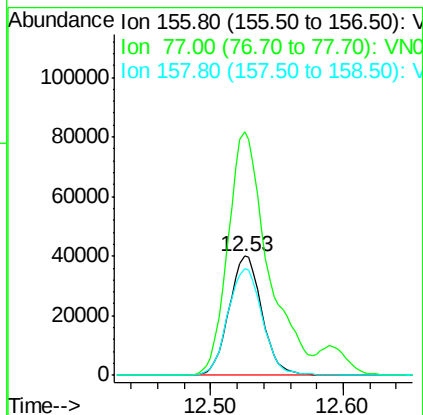
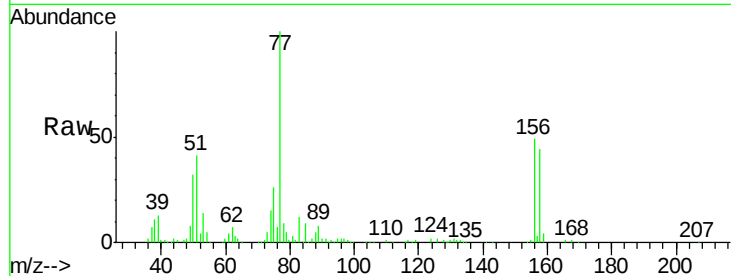
ClientSampleId :

VN0826WBSD01

Tot Ion:	156	Resp:	69021
Ion Ratio	Lower	Upper	
156	100		
77	248.9	124.4	373.3
158	93.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 17.413 ug/l

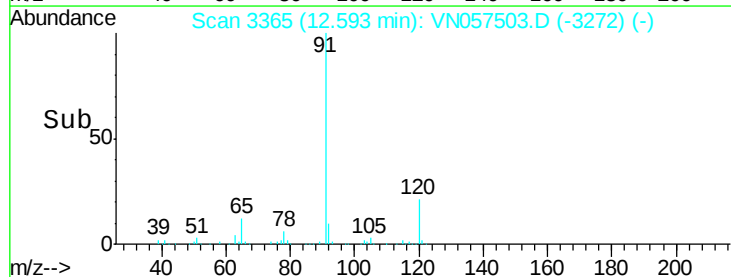
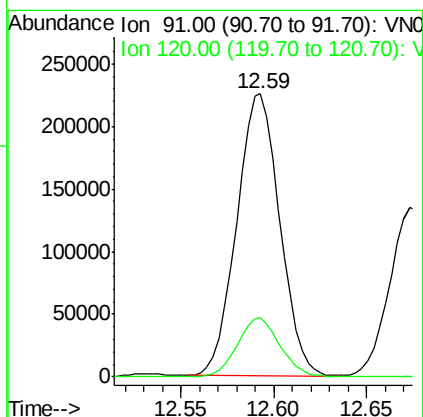
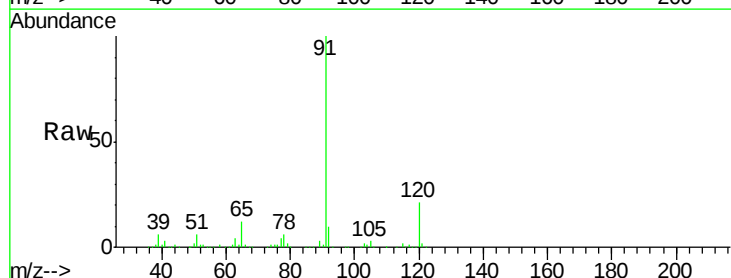
RT: 12.59 min Scan# 3365

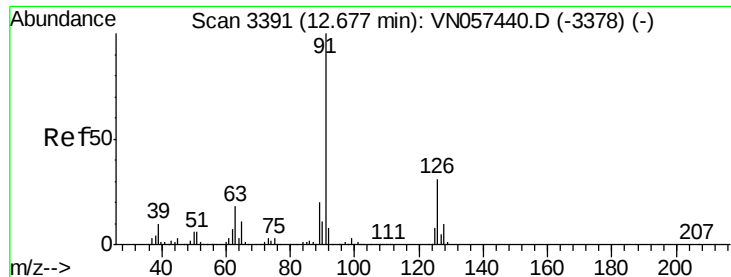
Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	91	Resp:	361863
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.7	32.1





#79

2-Chlorotoluene

Concen: 17.971 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 91 Resp: 223326

Ion Ratio Lower Upper

91 100

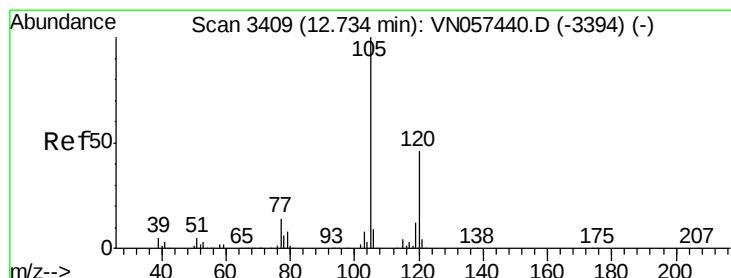
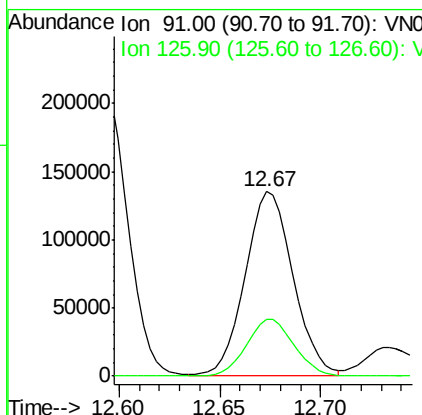
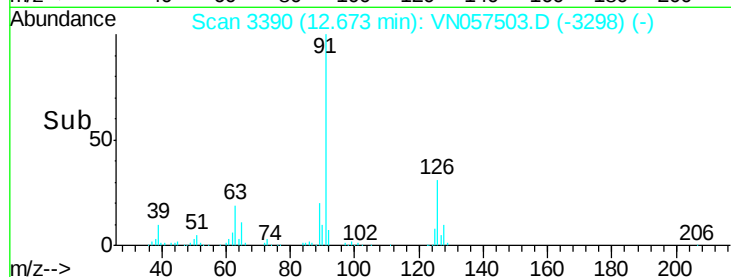
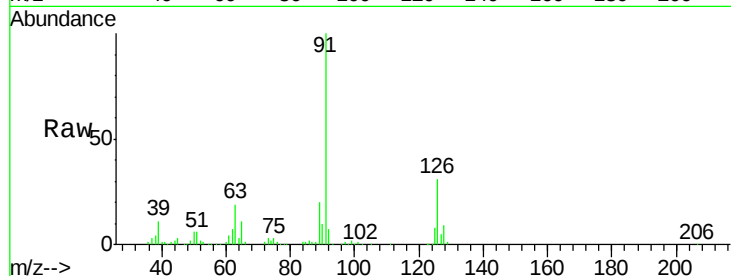
126 30.8 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 17.255 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057503.D

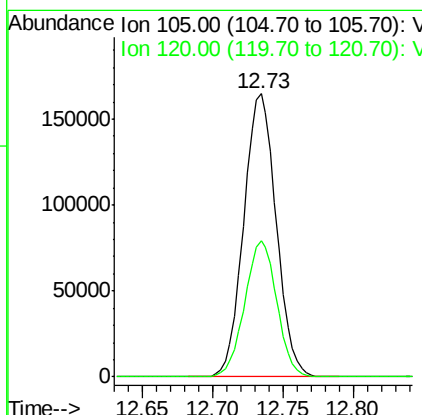
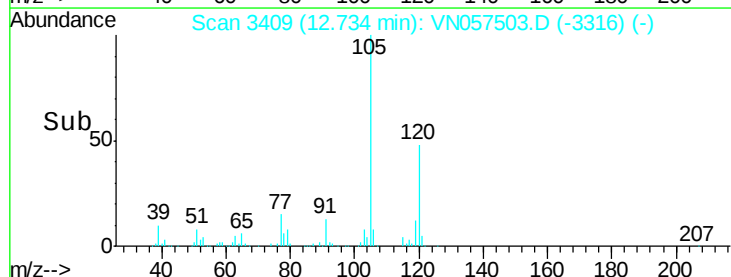
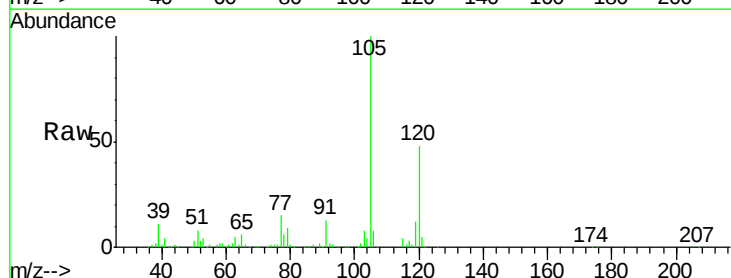
Acq: 26 Aug 2019 11:37

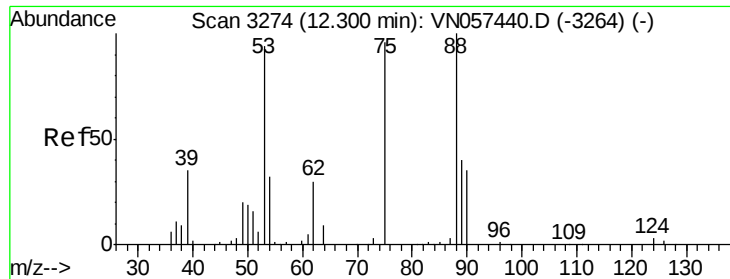
Tgt Ion: 105 Resp: 265914

Ion Ratio Lower Upper

105 100

120 47.5 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 13.089 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion: 75 Resp: 25838

Ion Ratio Lower Upper

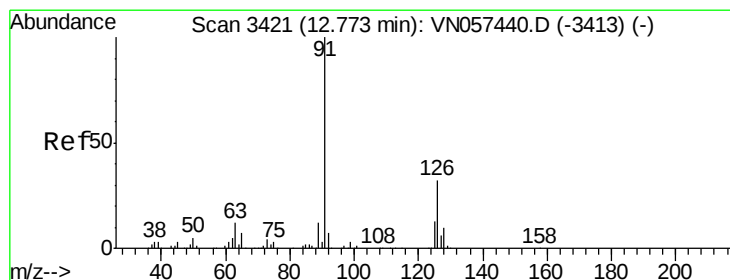
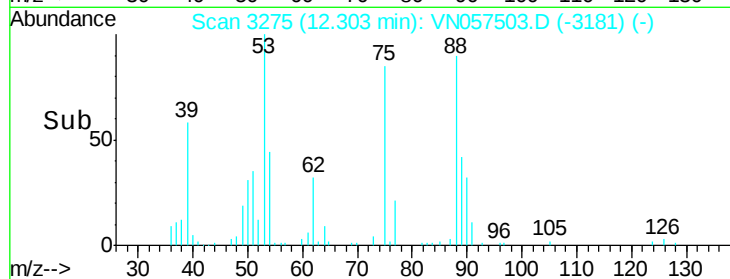
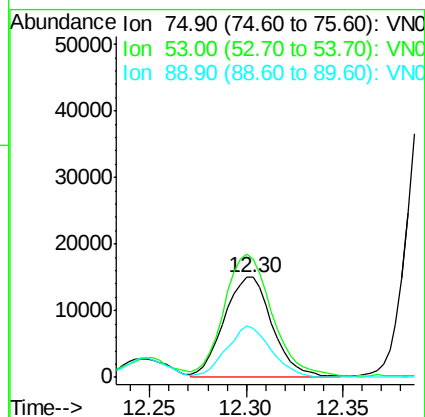
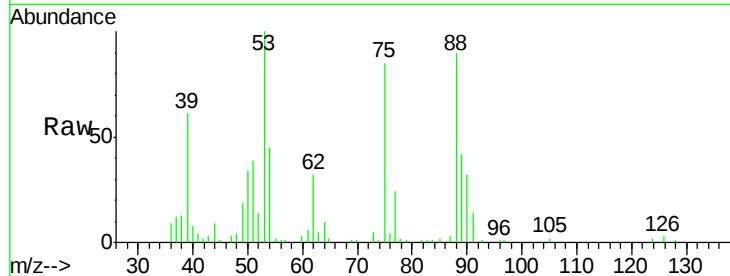
75 100

53 123.0 82.7 124.1

89 47.9 35.8 53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.240 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057503.D

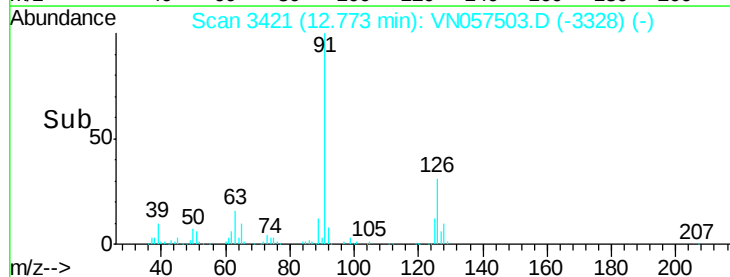
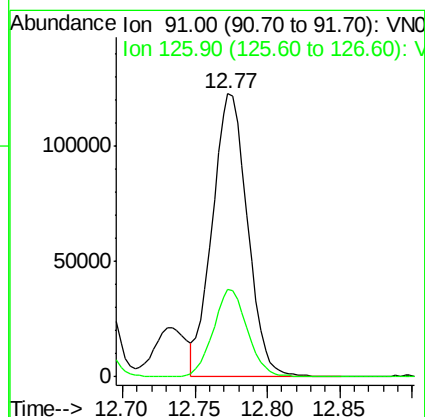
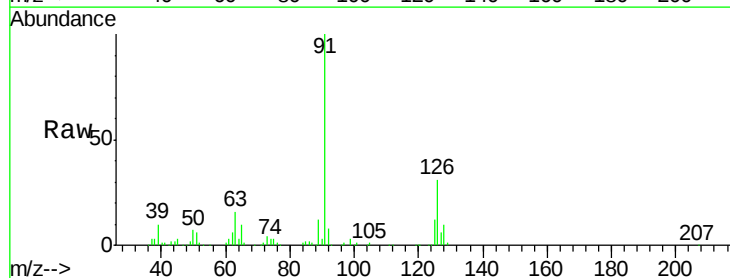
Acq: 26 Aug 2019 11:37

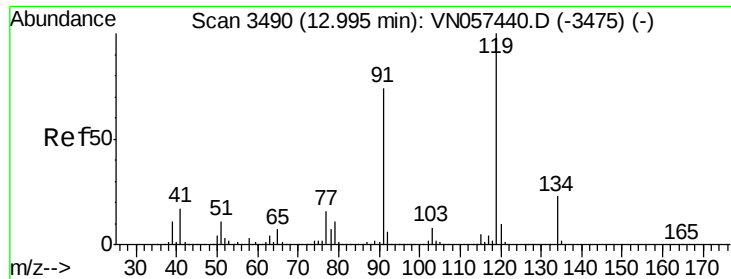
Tgt Ion: 91 Resp: 205950

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.0





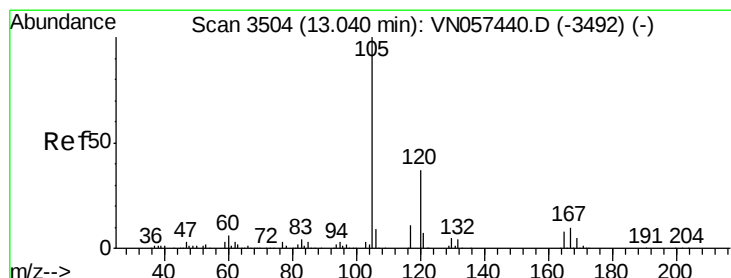
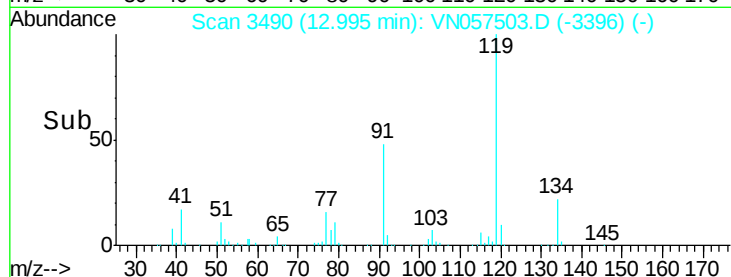
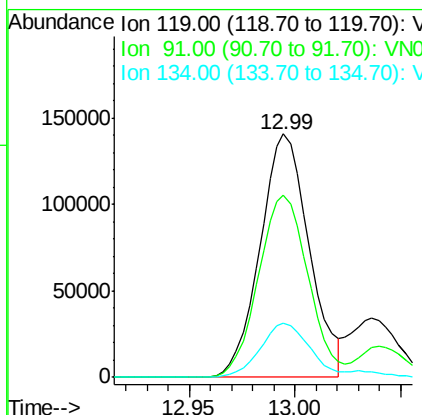
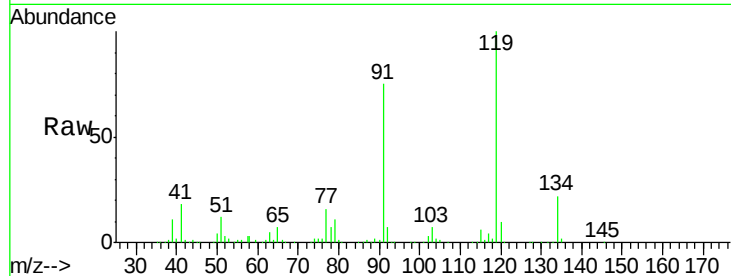
#83
 tert-Butylbenzene
 Concen: 17.354 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228285		
91	75.9	37.0	111.0	
134	22.4	12.2	36.6	

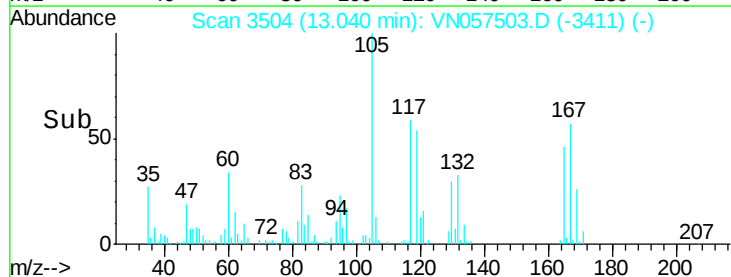
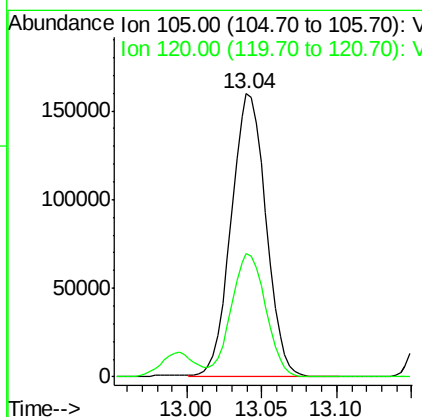
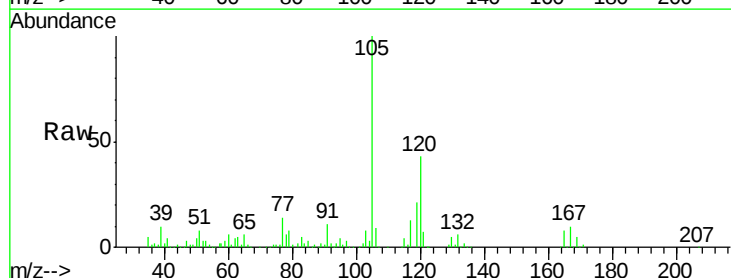
Manual Integrations
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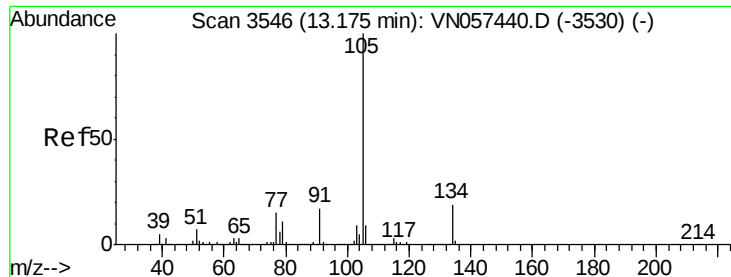
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.800 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258806		
120	43.5	21.9	65.7	





#85

sec-Butylbenzene

Concen: 17.505 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD01

Tot Ion:105 Resp: 297070

Ion Ratio Lower Upper

105 100

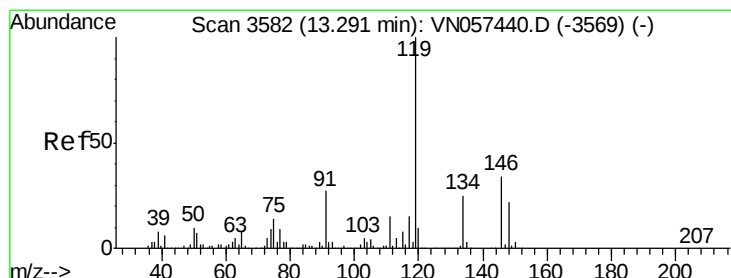
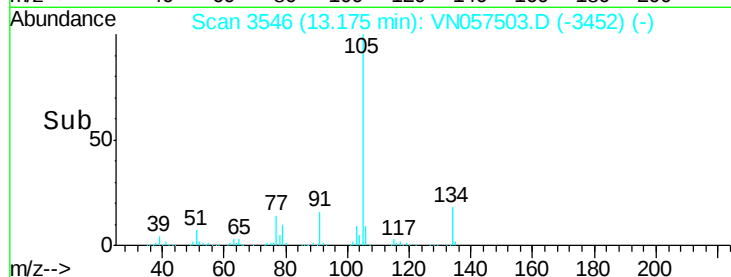
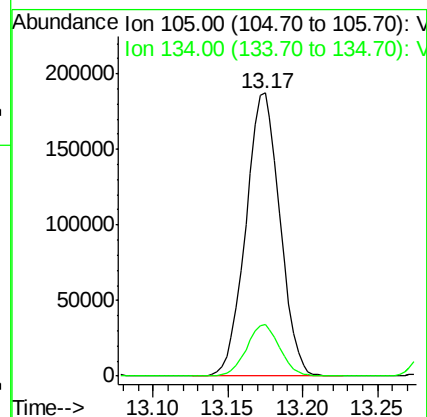
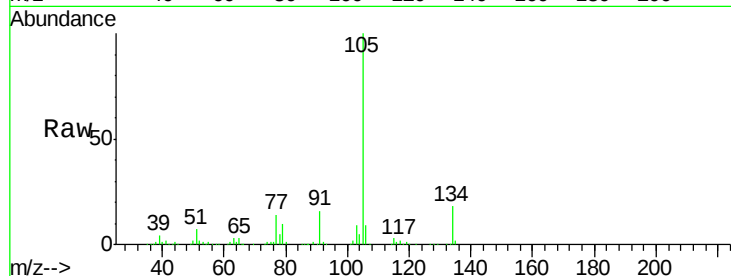
134 17.8 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 16.779 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

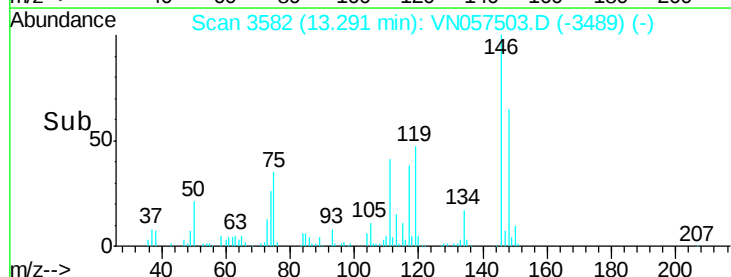
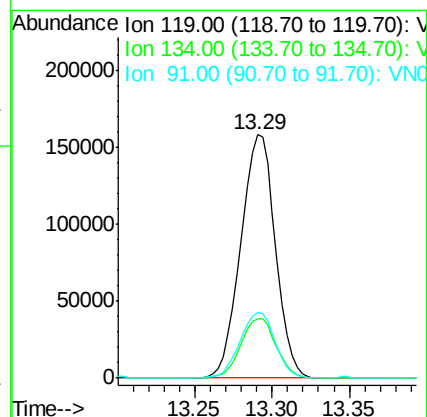
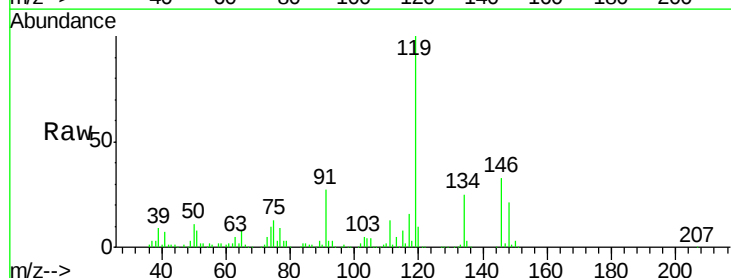
Tgt Ion:119 Resp: 245294

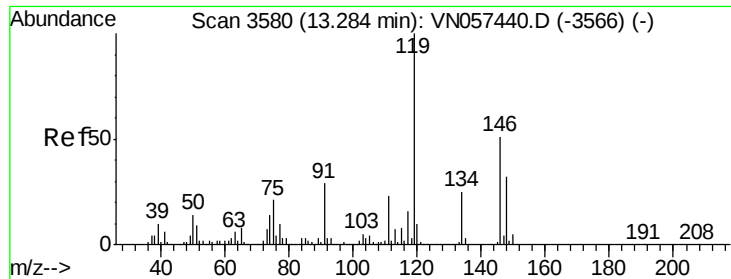
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 27.5 13.9 41.6





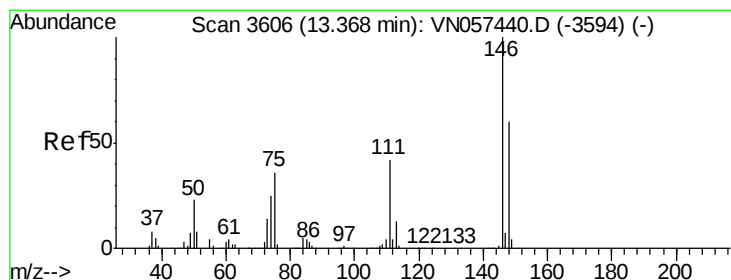
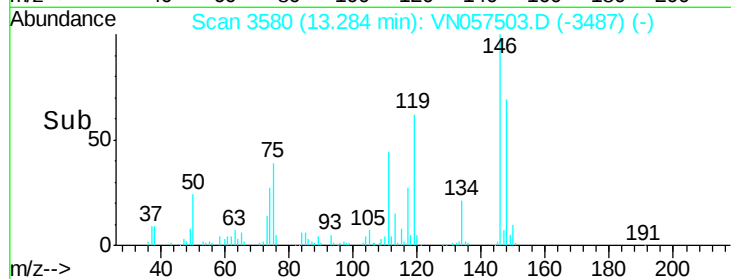
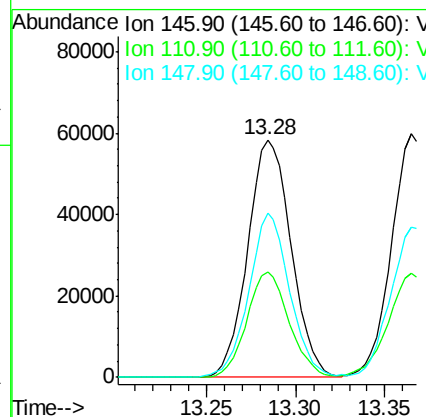
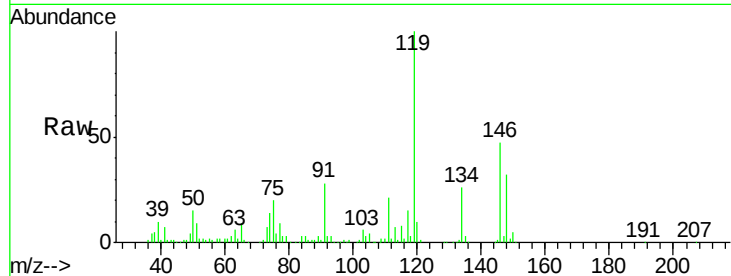
#87
 1,3-Dichlorobenzene
 Concen: 16.418 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.1	66.1
148	64.7	31.9	95.9

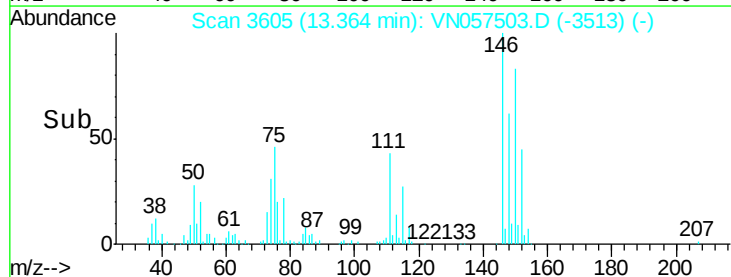
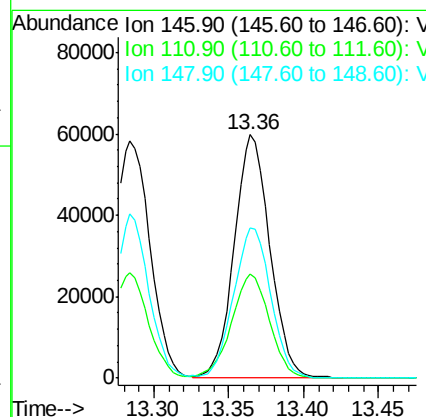
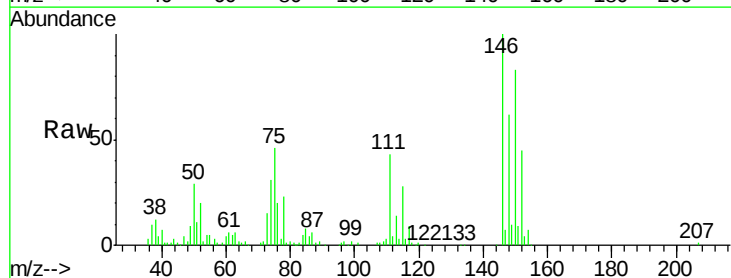
Manual Integrations
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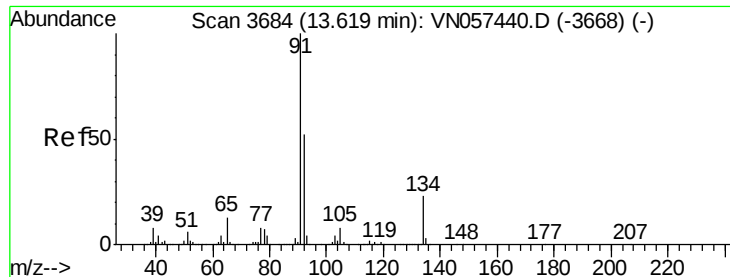
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#88
 1,4-Dichlorobenzene
 Concen: 16.781 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.9	65.5
148	64.8	31.1	93.2





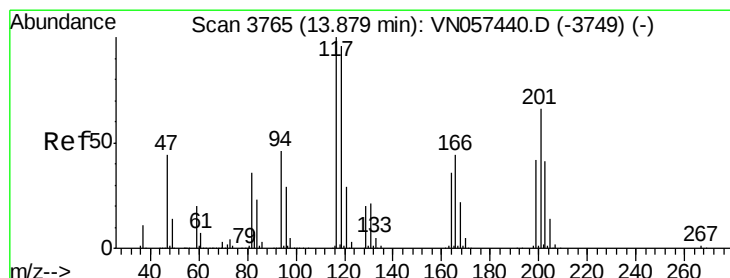
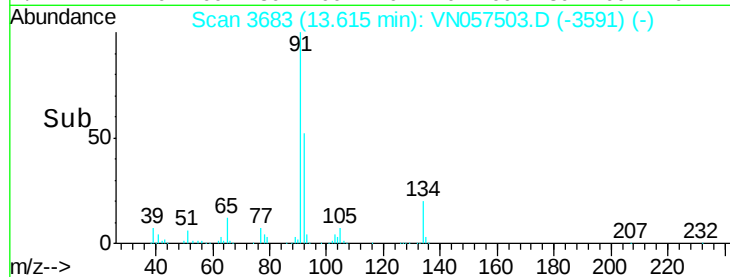
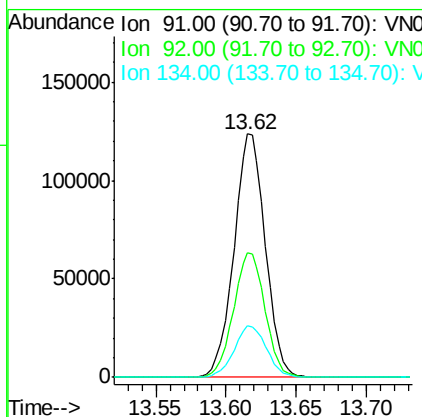
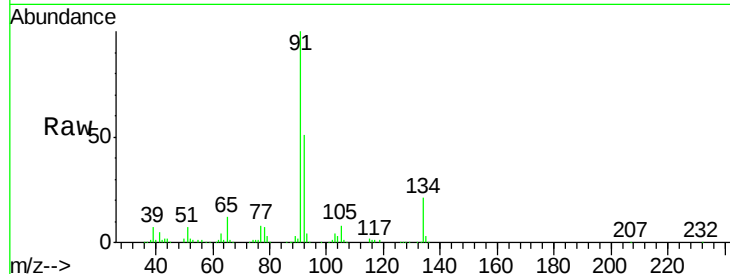
#89
n-Butylbenzene
Concen: 15.537 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	21.7	11.4	34.1

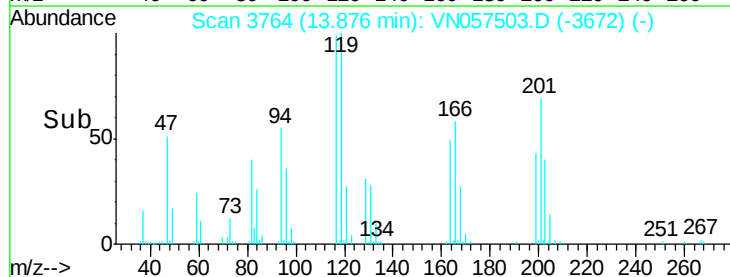
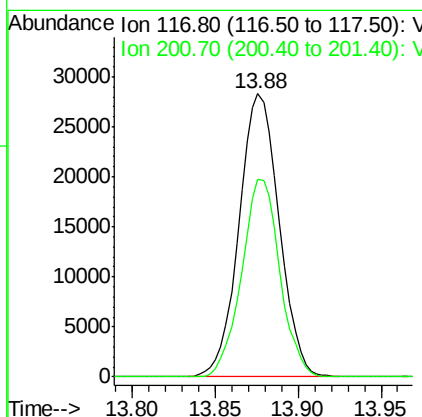
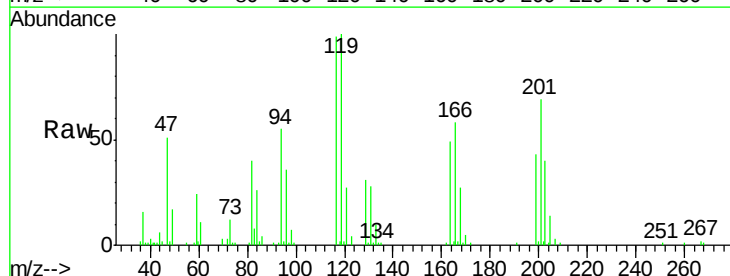
Manual Integrations
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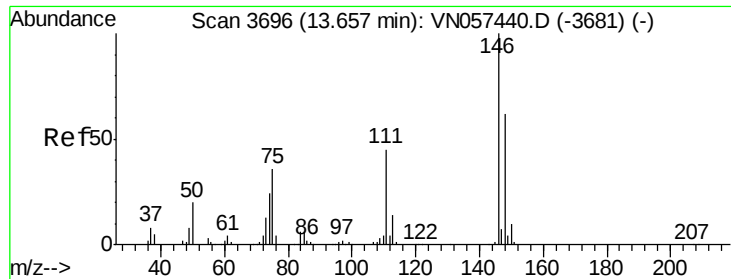
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#90
Hexachloroethane
Concen: 14.857 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057503.D
Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.3	33.1	99.3





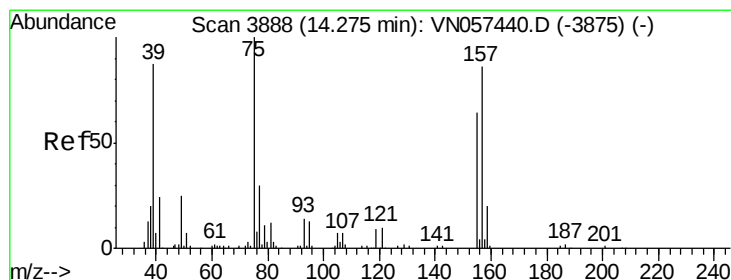
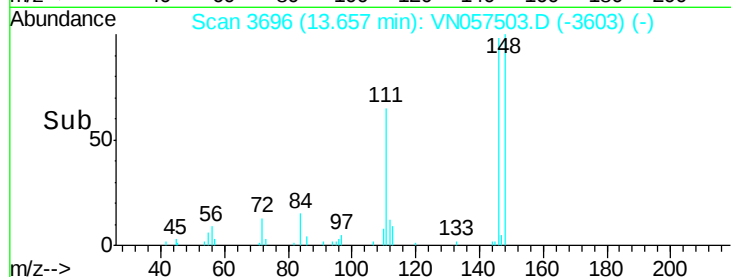
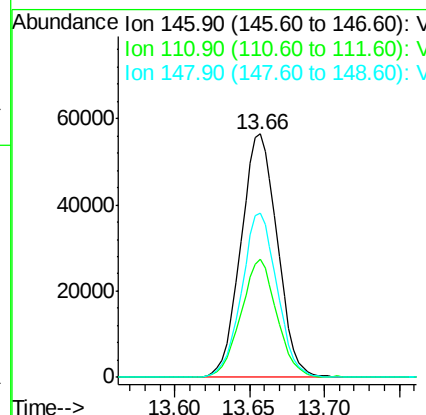
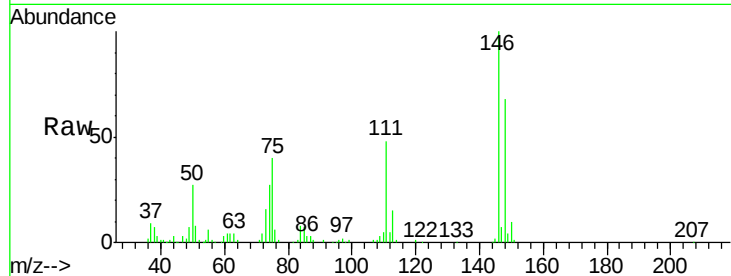
#91
 1,2-Dichlorobenzene
 Concen: 16.547 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.1	69.2
148	65.6	31.8	95.4

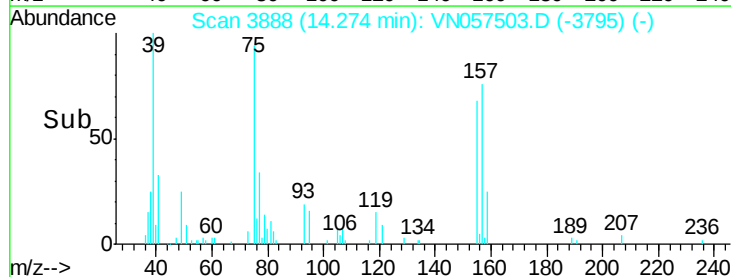
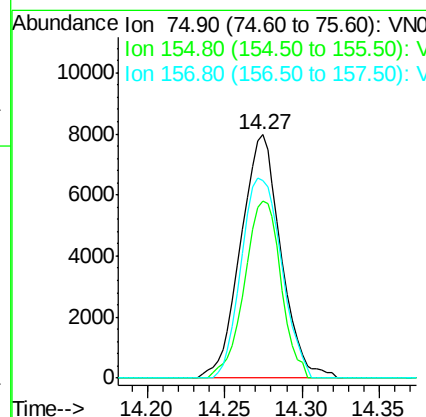
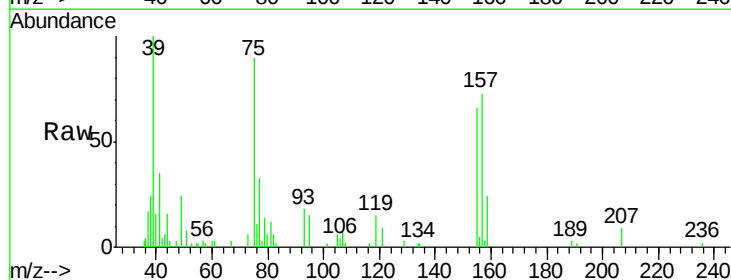
Manual Integrations
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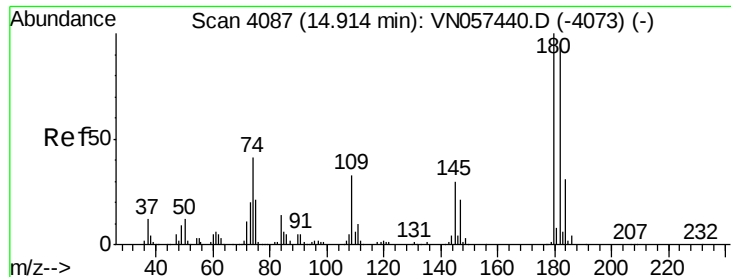
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.775 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	31.6	94.7
157	82.5	43.3	129.8





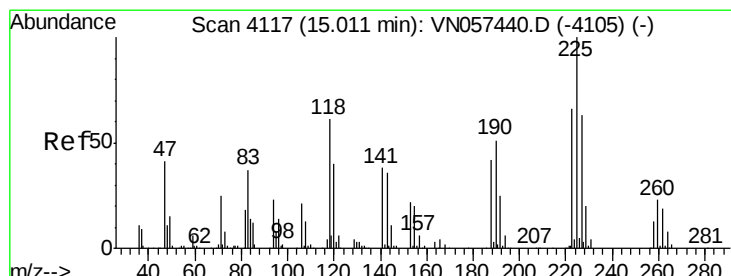
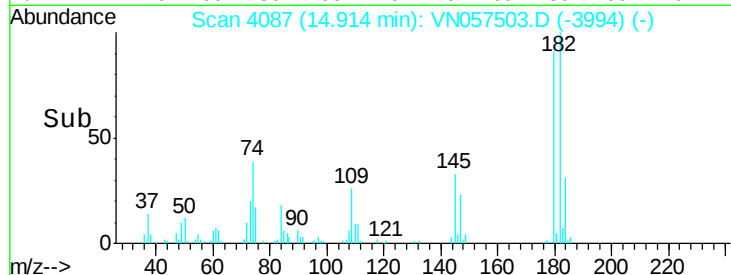
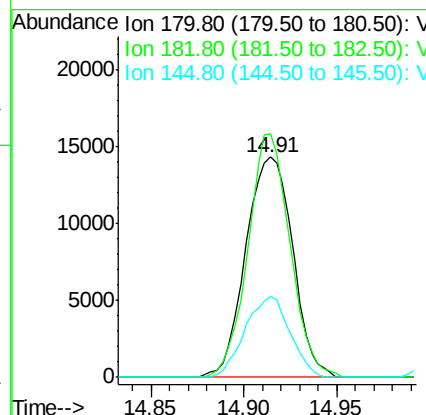
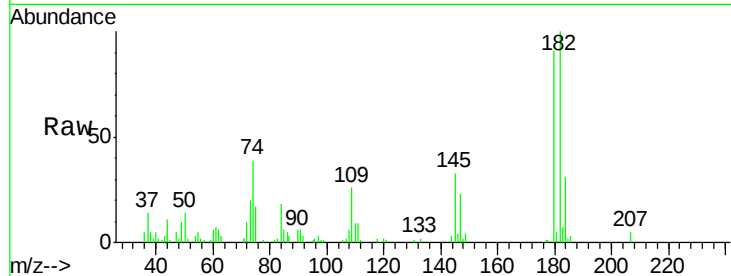
#93
 1,2,4-Trichlorobenzene
 Concen: 15.001 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	46.7	140.1
145	35.0	15.6	46.8

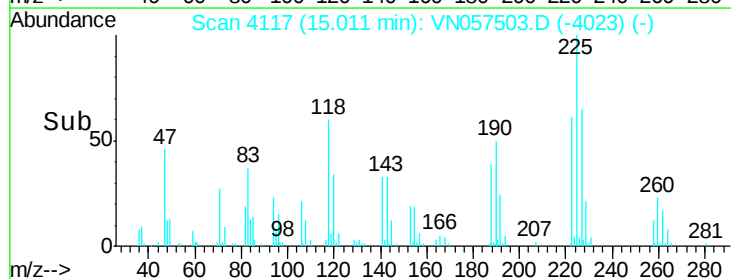
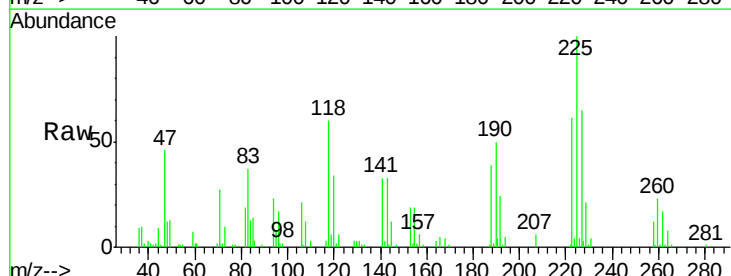
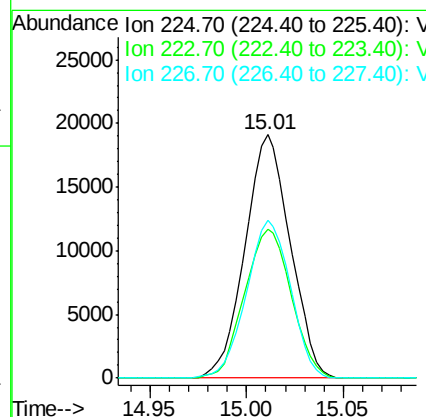
Manual Integrations
 APPROVED

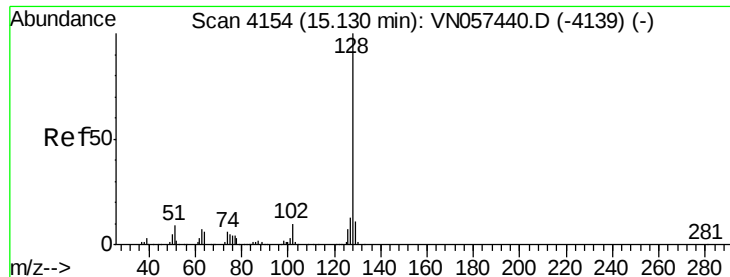
MMDadoda
 8/27/2019 5:30:29 PM



#94
 Hexachlorobutadiene
 Concen: 19.203 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057503.D
 Acq: 26 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.0	96.2
227	63.1	31.5	94.5





#95

Naphthalene

Concen: 14.723 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Instrument :

MSVOA_N

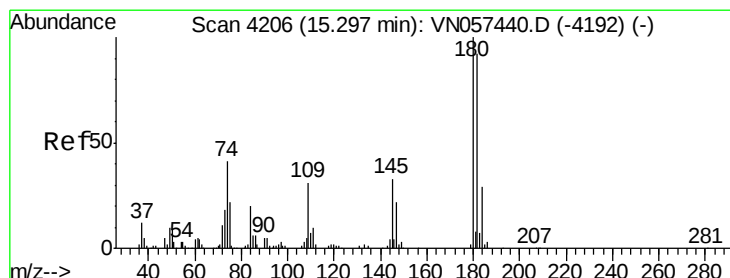
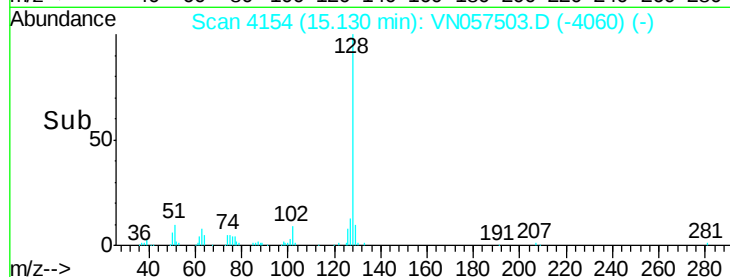
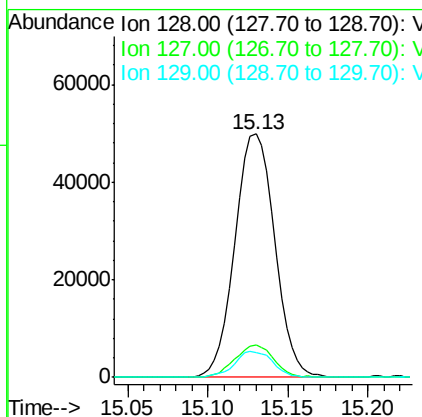
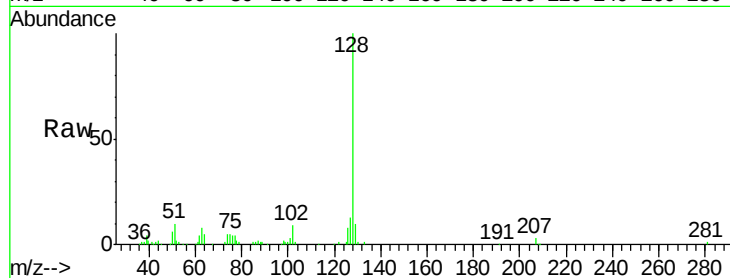
ClientSampleId :

VN0826WBSD01

Tot Ion:	128	Resp:	84599
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 14.557 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057503.D

Acq: 26 Aug 2019 11:37

Tgt Ion:	180	Resp:	24521
Ion Ratio	Lower	Upper	
180	100		
182	98.8	46.7	140.1
145	34.3	16.8	50.3

