

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057517.D
 Acq On : 26 Aug 2019 18:15
 Operator : JC/SP
 Sample : VN0826WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:41 PM

Quant Time: Aug 27 07:32:13 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	346105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179677	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	328564	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.57	113	211128	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	852496	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	260048	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	77994	19.096	ug/l	98
3) Chloromethane	2.05	50	106687	18.289	ug/l	100
4) Vinyl Chloride	2.17	62	135280	19.053	ug/l	100
5) Bromomethane	2.55	94	94220	21.533	ug/l	96
6) Chloroethane	2.69	64	87006	19.051	ug/l	96
7) Trichlorofluoromethane	3.00	101	206614	18.747	ug/l	94
8) Diethyl Ether	3.39	74	74079	19.081	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	111307	19.649	ug/l	100
10) Methyl Iodide	3.92	142	73369	16.303	ug/l	99
11) Tert butyl alcohol	4.78	59	65740	86.904	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	106533	18.084	ug/l	99
13) Acrolein	3.59	56	66910	100.590	ug/l	96
14) Allyl chloride	4.29	41	144034	18.483	ug/l	98
15) Acrylonitrile	4.96	53	195337	95.752	ug/l	99
16) Acetone	3.80	43	298017	106.585	ug/l	94
17) Carbon Disulfide	4.02	76	179302	15.955	ug/l	98
18) Methyl Acetate	4.31	43	131685	21.276	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	249629	17.554	ug/l	97
20) Methylene Chloride	4.52	84	79054	19.023	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	74050	17.813	ug/l	91
22) Diisopropyl ether	5.93	45	314982	18.845	ug/l	98
23) Vinyl Acetate	5.88	43	1169811	89.605	ug/l	98
24) 1,1-Dichloroethane	5.82	63	163927	18.506	ug/l	98
25) 2-Butanone	6.82	43	273935	90.225	ug/l	100
26) 2,2-Dichloropropane	6.80	77	126711	16.518	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92326	18.735	ug/l	95
28) Bromochloromethane	7.17	49	98514	20.651	ug/l	96
29) Tetrahydrofuran	7.20	42	184560	92.187	ug/l	99
30) Chloroform	7.36	83	158928	19.382	ug/l	99
31) Cyclohexane	7.64	56	160674	18.787	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	133387	17.554	ug/l	98
36) 1,1-Dichloropropene	7.78	75	115078	17.586	ug/l	99
37) Ethyl Acetate	6.91	43	120024	18.562	ug/l	97
38) Carbon Tetrachloride	7.76	117	109110	16.784	ug/l	98

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MMDadoda
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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	143101	18.413	ug/l	99
40) Benzene	8.02	78	360017	18.331	ug/l	99
41) Methacrylonitrile	7.16	41	57293	18.582	ug/l	91
42) 1,2-Dichloroethane	8.11	62	141435	18.703	ug/l	98
43) Isopropyl Acetate	8.16	43	209772	17.693	ug/l	98
44) Trichloroethene	8.82	130	80152	18.282	ug/l	95
45) 1,2-Dichloropropane	9.11	63	102768	18.579	ug/l	100
46) Dibromomethane	9.20	93	63360	19.313	ug/l	99
47) Bromodichloromethane	9.40	83	126137	17.285	ug/l	97
48) Methyl methacrylate	9.19	41	100737	17.868	ug/l	96
49) 1,4-Dioxane	9.20	88	24542	336.629	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	596552	90.283	ug/l	99
52) Toluene	10.15	92	211777	18.709	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127361	16.662	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	148775	17.481	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83343	18.206	ug/l	98
56) Ethyl methacrylate	10.43	69	130389	18.107	ug/l	97
57) 1,3-Dichloropropane	10.71	76	154041	19.335	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	204135	111.902	ug/l	99
59) 2-Hexanone	10.75	43	403299	88.988	ug/l	100
60) Dibromochloromethane	10.90	129	81722	16.893	ug/l	96
61) 1,2-Dibromoethane	11.00	107	81457	18.143	ug/l	99
64) Tetrachloroethene	10.63	164	72418	18.307	ug/l	96
65) Chlorobenzene	11.43	112	207306	18.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75669	17.262	ug/l	99
67) Ethyl Benzene	11.51	91	399697	18.067	ug/l	99
68) m/p-Xylenes	11.62	106	277948	36.943	ug/l	97
69) o-Xylene	11.95	106	136149	18.267	ug/l	99
70) Styrene	11.96	104	211293	17.904	ug/l	98
71) Bromoform	12.12	173	43967	14.838	ug/l #	100
73) Isopropylbenzene	12.25	105	372057	21.047	ug/l	99
74) N-amyl acetate	12.07	43	159213	19.116	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	107225	21.131	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	106293m	24.847	ug/l	
77) Bromobenzene	12.53	156	71815	19.957	ug/l	98
78) n-propylbenzene	12.59	91	394334	20.100	ug/l	98
79) 2-Chlorotoluene	12.67	91	240357	20.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	296380	20.608	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28665	15.614	ug/l	92
82) 4-Chlorotoluene	12.77	91	219908	19.382	ug/l	100
83) tert-Butylbenzene	12.99	119	256893	21.091	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280146	20.055	ug/l	99
85) sec-Butylbenzene	13.17	105	327805	20.521	ug/l	100
86) p-Isopropyltoluene	13.29	119	275626	19.625	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	106908	18.421	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	99838	17.566	ug/l	97
89) n-Butylbenzene	13.62	91	225760	18.995	ug/l	98
90) Hexachloroethane	13.88	117	52767	17.791	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	104157	18.800	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15712	17.980	ug/l	90

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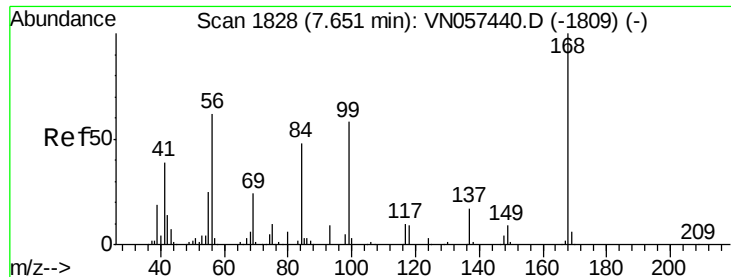
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	26158	15.787	ug/l	98
94) Hexachlorobutadiene	15.01	225	31096	20.102	ug/l	97
95) Naphthalene	15.13	128	89360	15.756	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	27776	16.247	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: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion:168 Resp: 346105

Ion Ratio Lower Upper

168 100

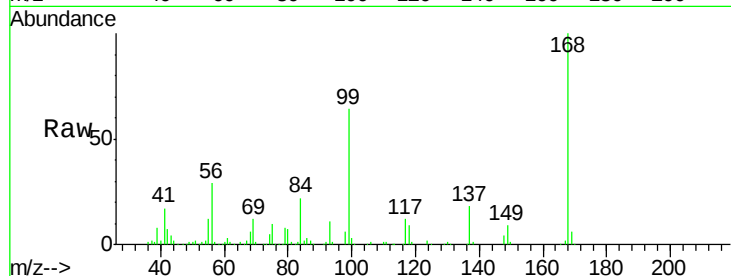
99 64.0 50.6 76.0

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

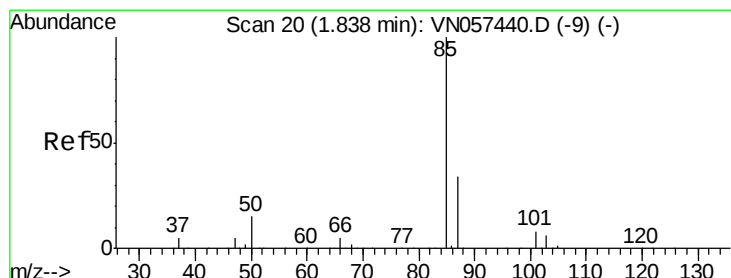
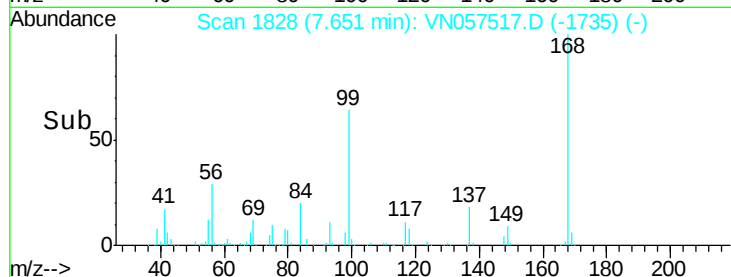
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.096 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057517.D

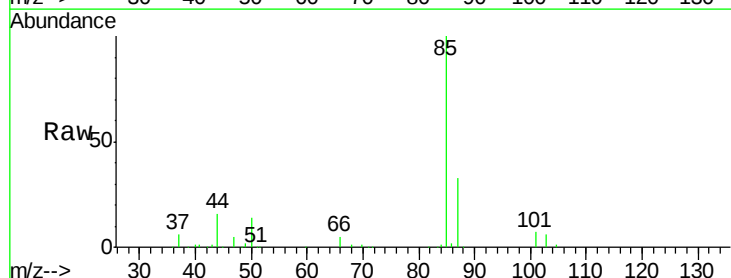
Acq: 26 Aug 2019 18:15

Tgt Ion: 85 Resp: 77994

Ion Ratio Lower Upper

85 100

87 32.9 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

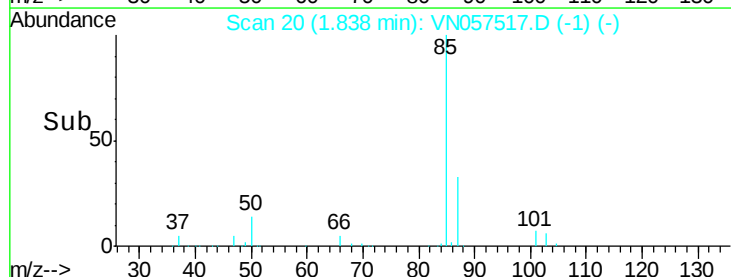
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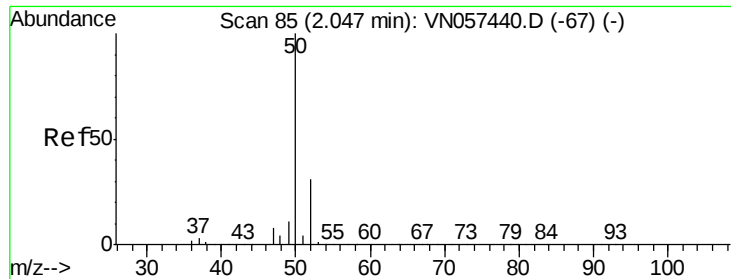
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.289 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 50 Resp: 106687

Ion Ratio Lower Upper

50 100

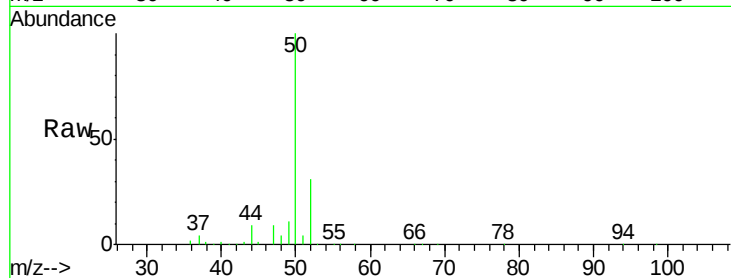
52 31.4 25.1 37.7

Manual Integrations

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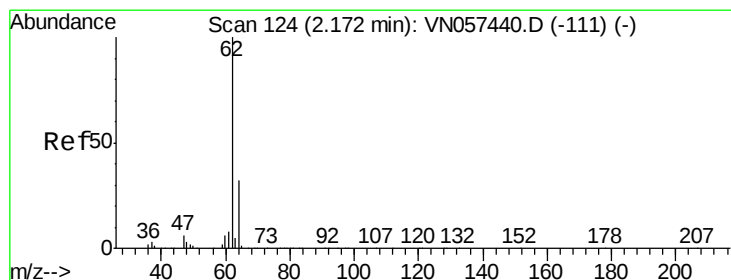
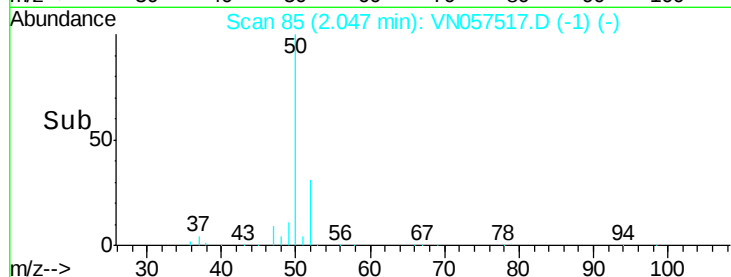
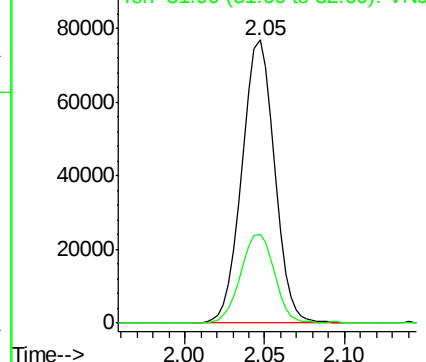
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.053 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057517.D

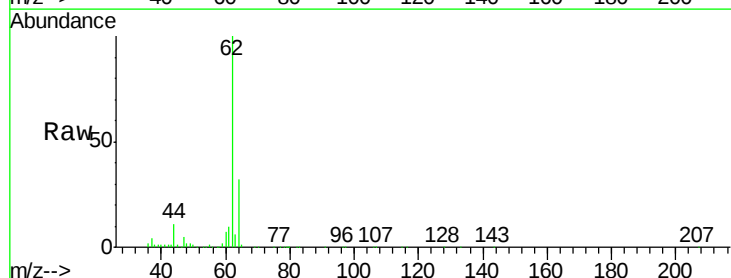
Acq: 26 Aug 2019 18:15

Tgt Ion: 62 Resp: 135280

Ion Ratio Lower Upper

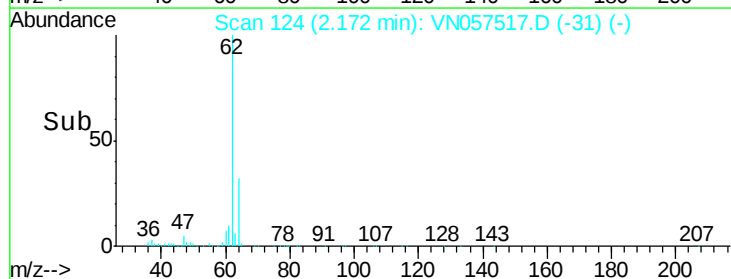
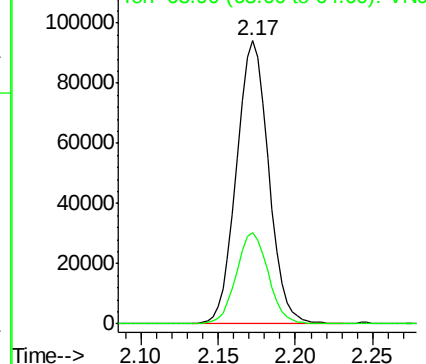
62 100

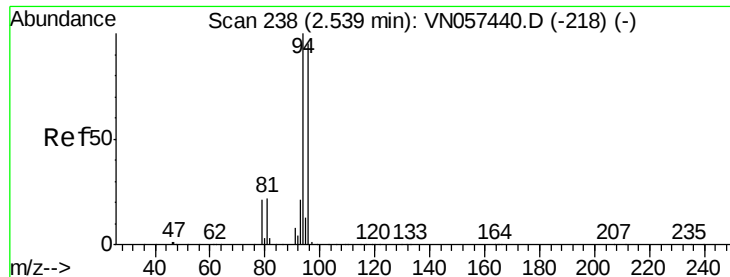
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.533 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 94 Resp: 94220

Ion Ratio Lower Upper

94 100

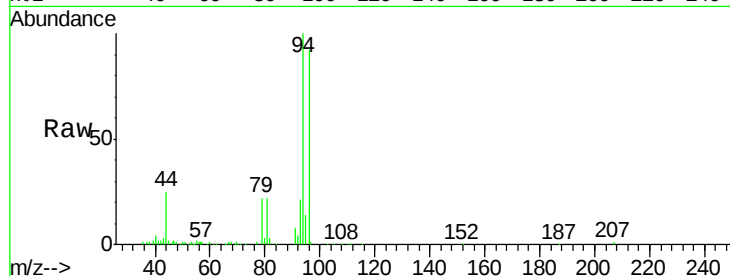
96 91.0 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

40000

30000

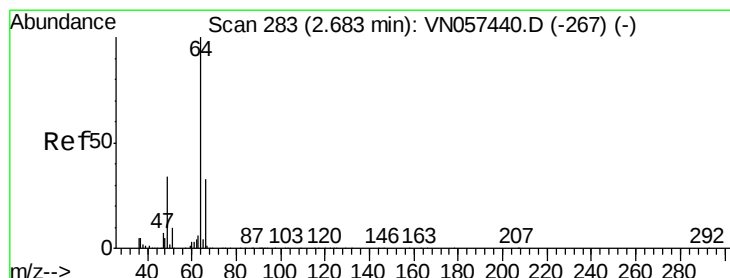
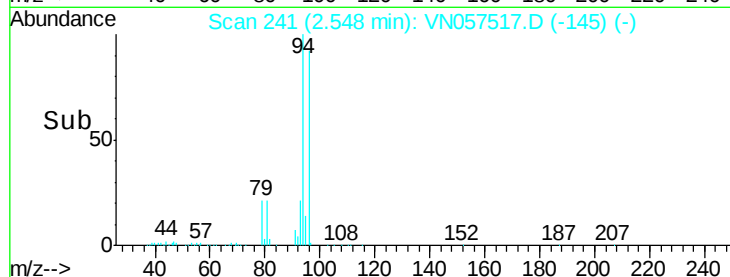
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10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.051 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057517.D

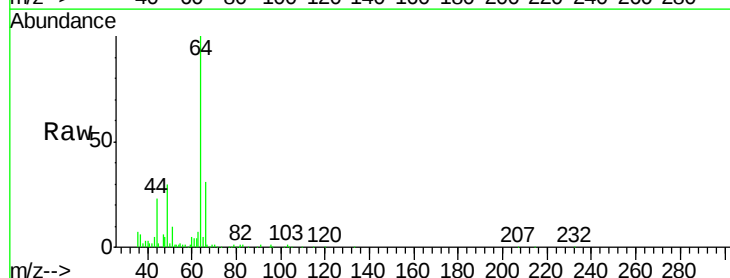
Acq: 26 Aug 2019 18:15

Tgt Ion: 64 Resp: 87006

Ion Ratio Lower Upper

64 100

66 31.1 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

40000

30000

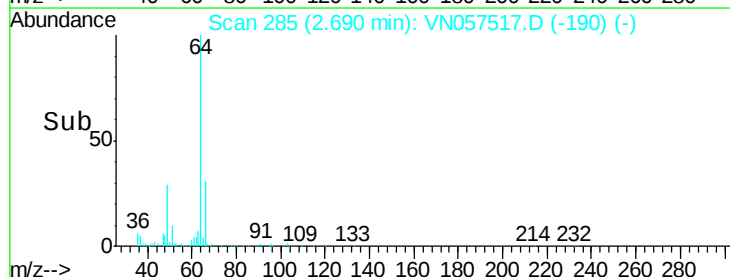
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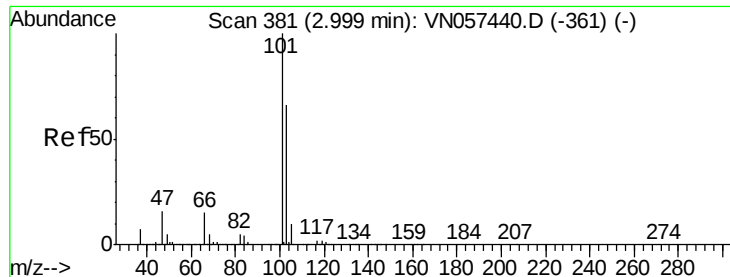
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

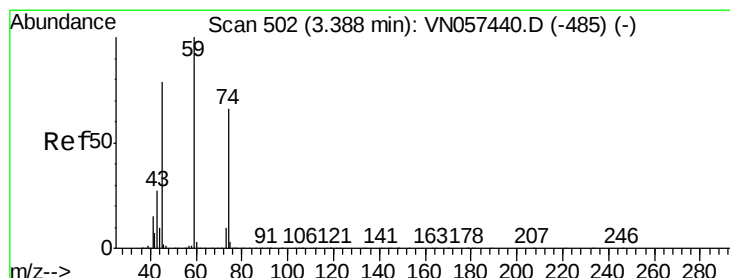
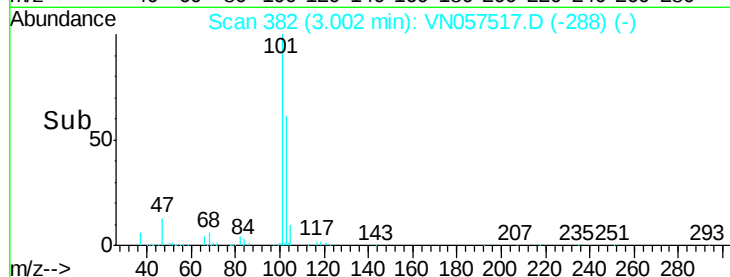
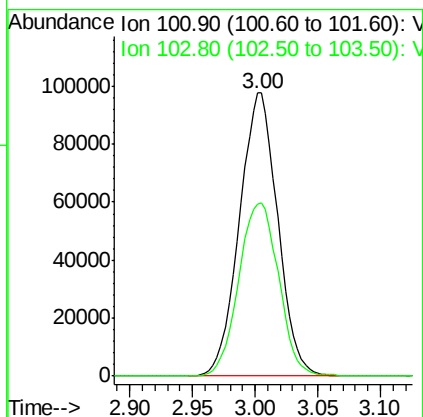
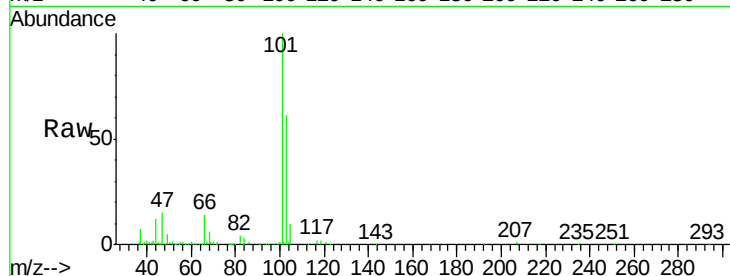
Trichlorofluoromethane
 Concen: 18.747 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.6	78.8

Manual Integrations
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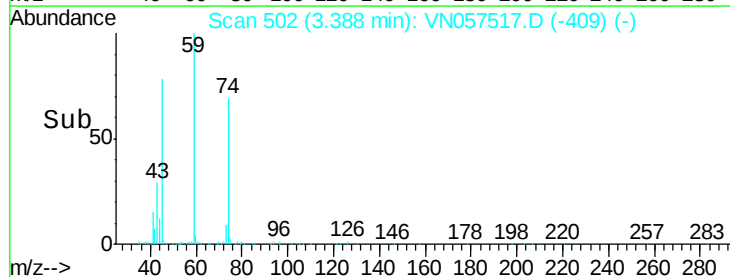
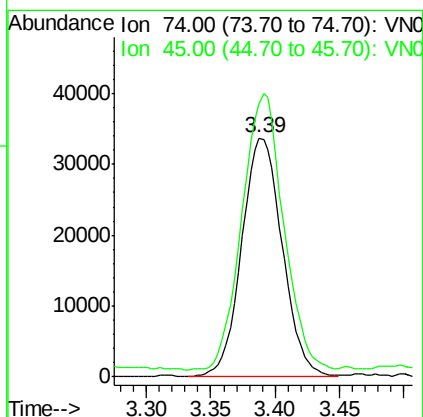
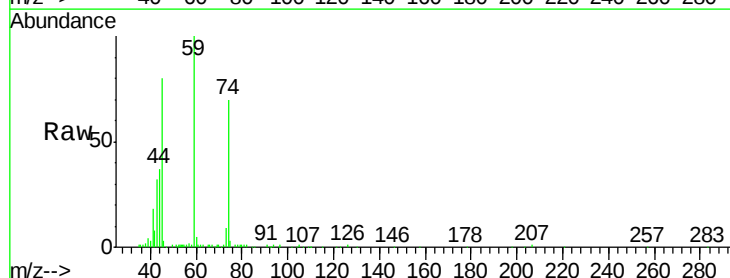
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 8/27/2019 5:30:41 PM

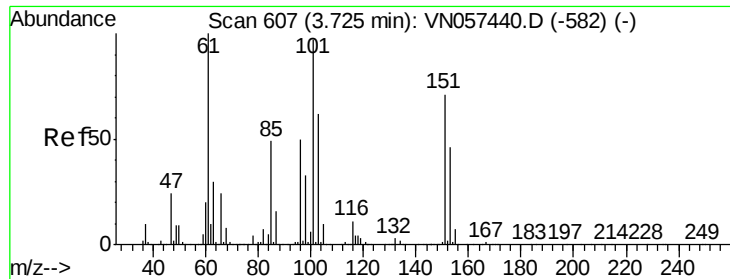


#8

Diethyl Ether
 Concen: 19.081 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.649 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

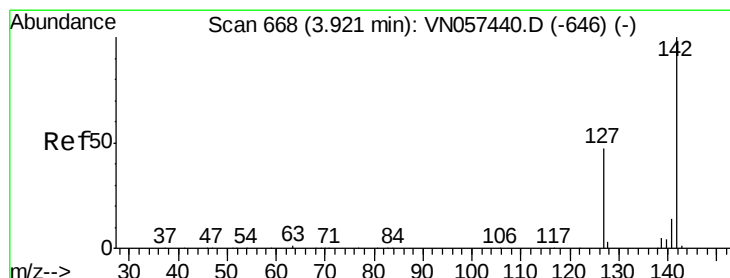
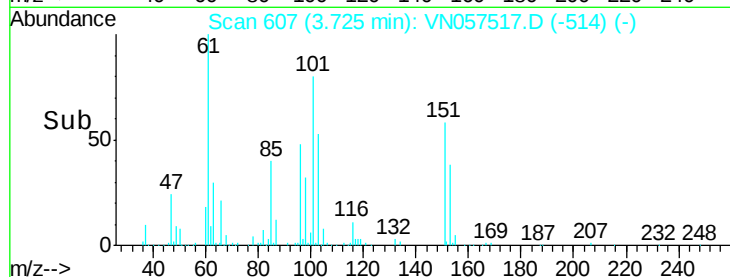
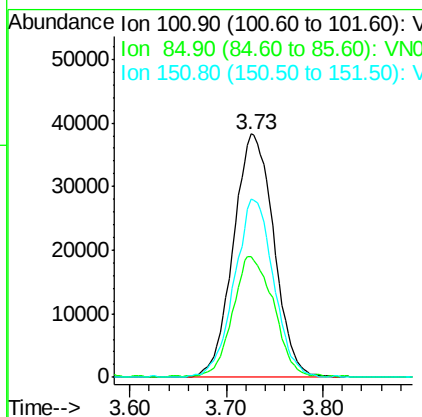
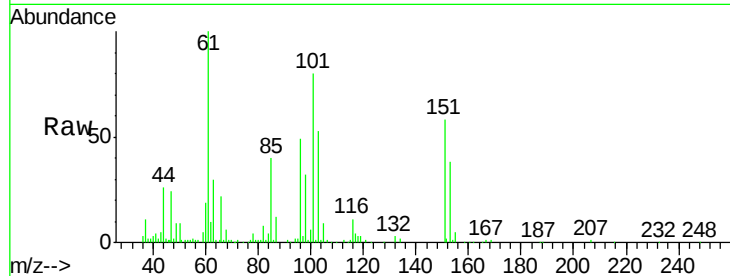
ClientSampleId :

VN0826WBS02

Tot Ion:	101	Resp:	111307
Ion Ratio	Lower	Upper	
101	100		
85	50.1	40.0	60.0
151	70.8	57.0	85.6

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#10

Methyl Iodide

Concen: 16.303 ug/l

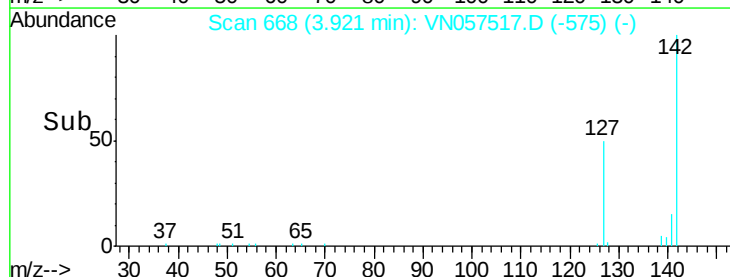
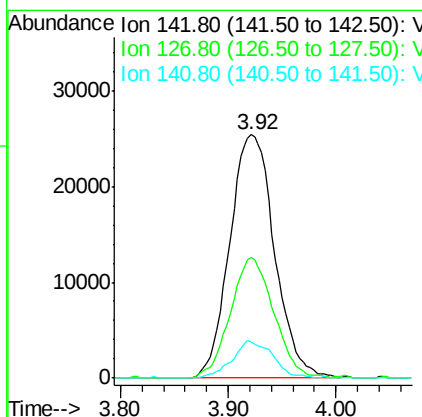
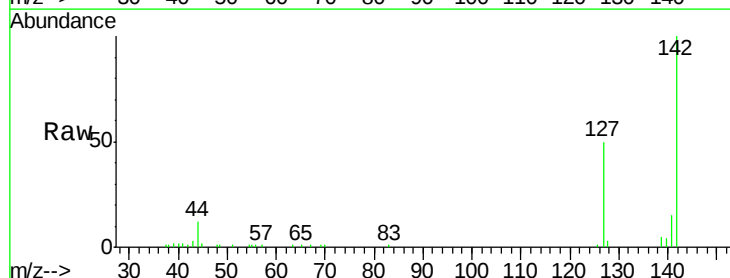
RT: 3.92 min Scan# 668

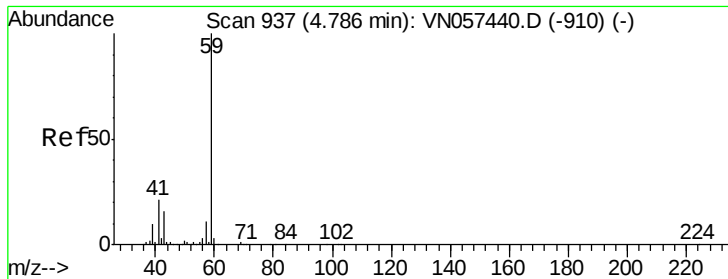
Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion:	142	Resp:	73369
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.8	56.8
141	13.9	11.9	17.9





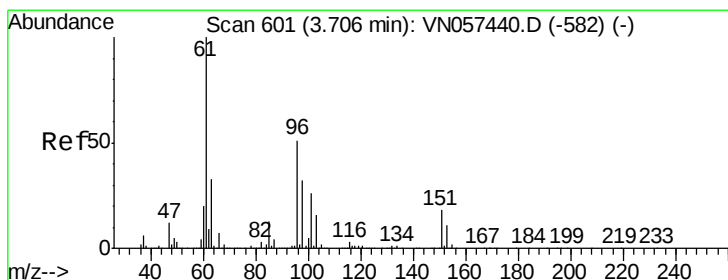
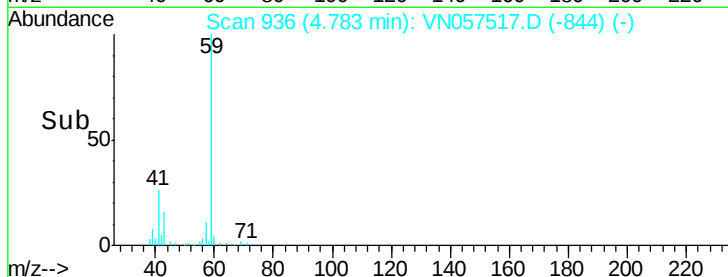
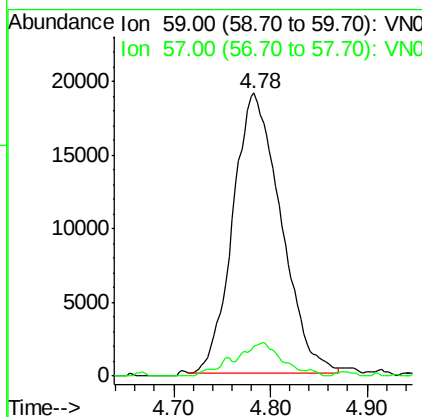
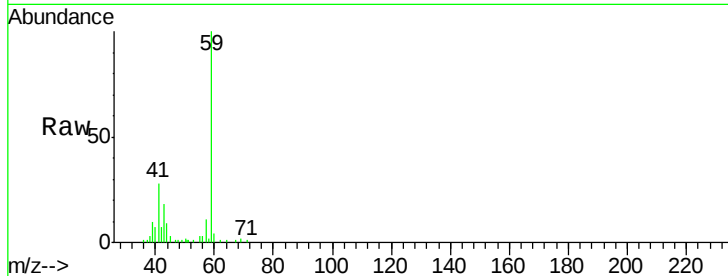
#11
Tert butyl alcohol
Concen: 86.904 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	9.1	13.7#

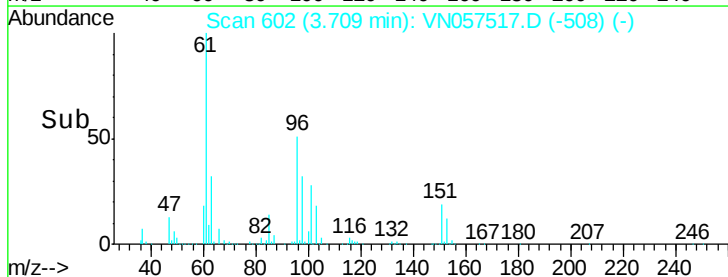
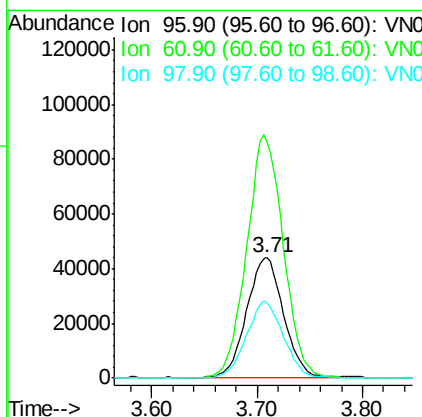
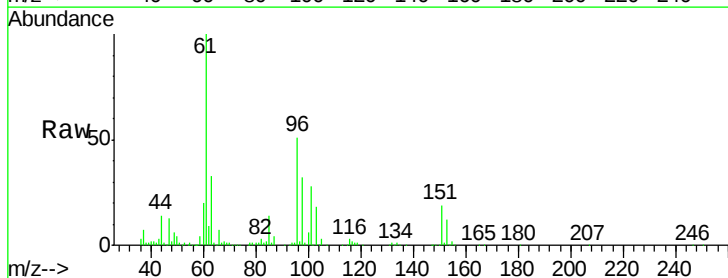
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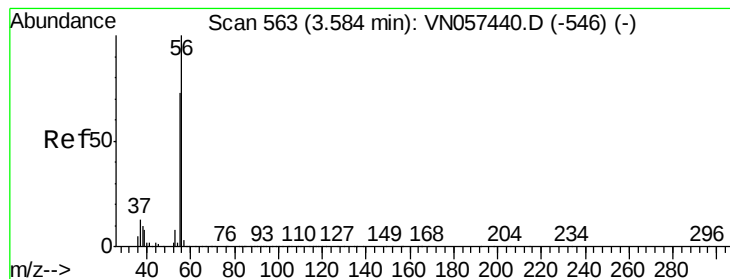
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.084 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.8	155.3	232.9
98	62.8	50.2	75.2





#13

Acrolein

Concen: 100.590 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 56 Resp: 66910

Ion Ratio Lower Upper

56 100

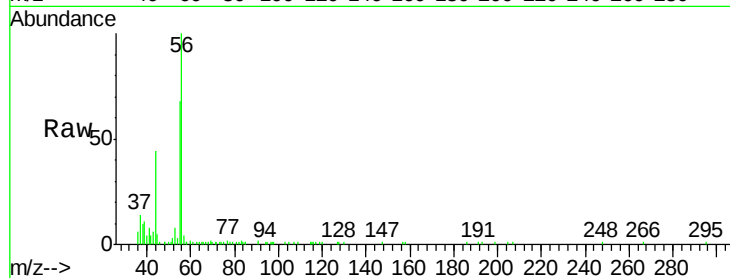
55 70.2 59.0 88.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

15000

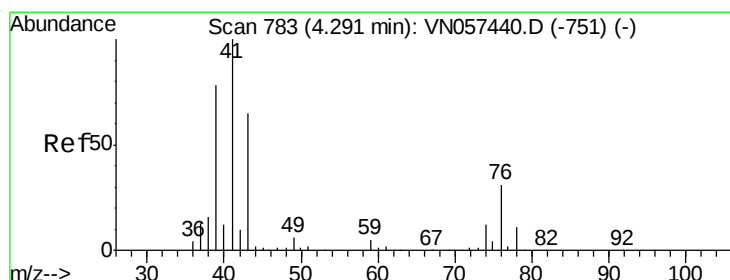
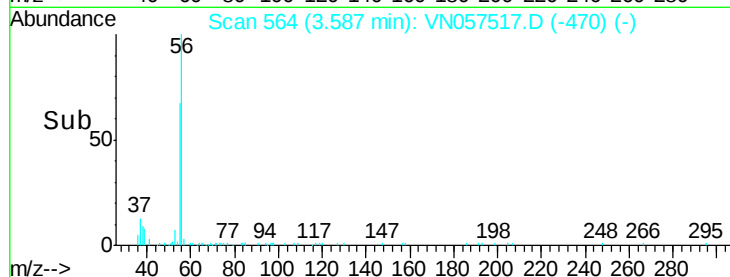
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 18.483 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

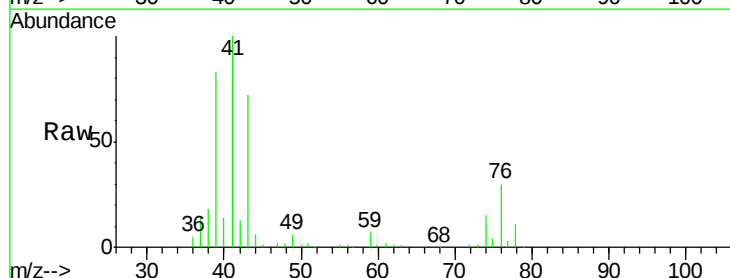
Tgt Ion: 41 Resp: 144034

Ion Ratio Lower Upper

41 100

39 74.2 57.4 86.2

76 28.6 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

60000

50000

40000

30000

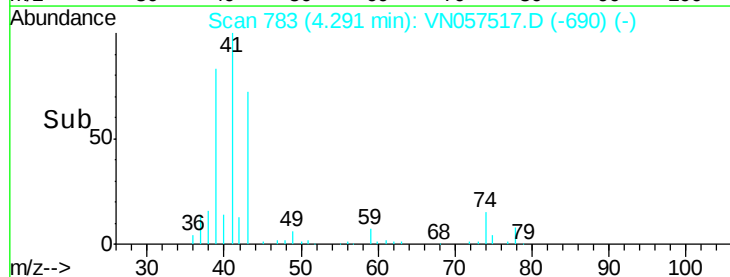
20000

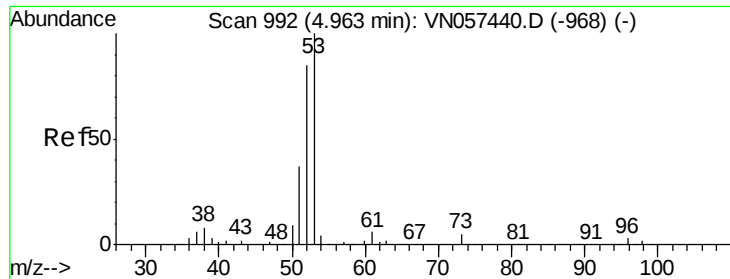
10000

0

4.10 4.20 4.30 4.40

Time-->





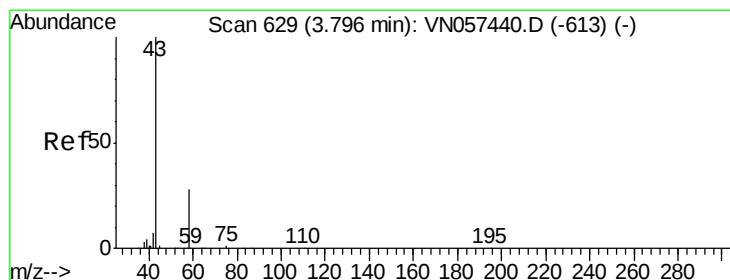
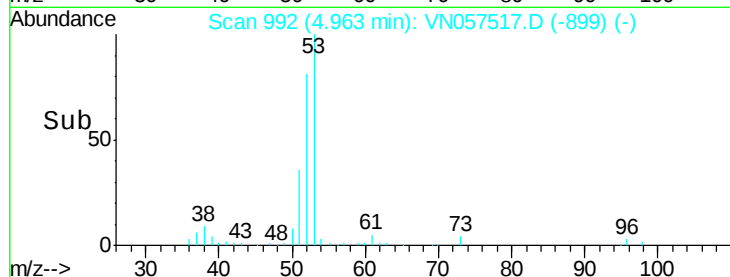
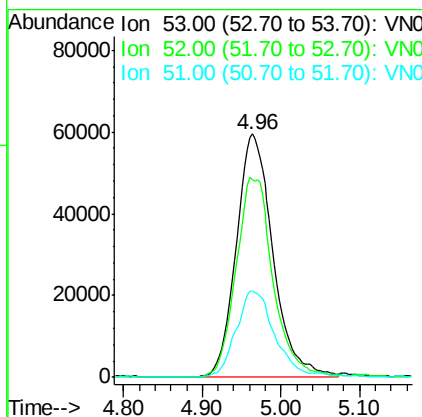
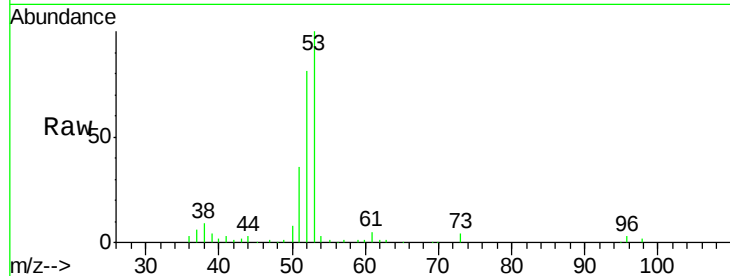
#15
 Acrylonitrile
 Concen: 95.752 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion:	53	Resp:	195337
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.6
51	37.6	29.9	44.9

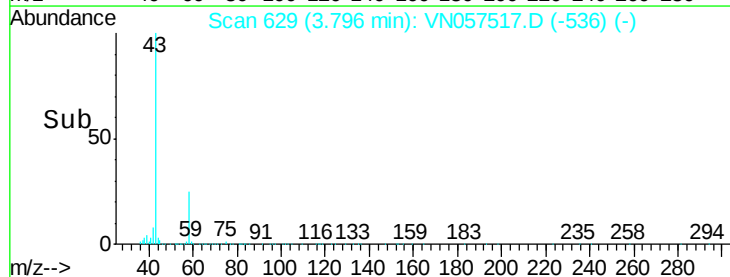
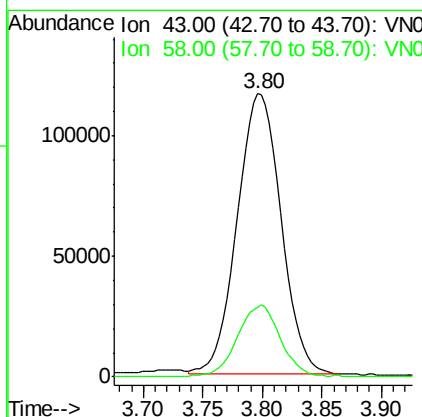
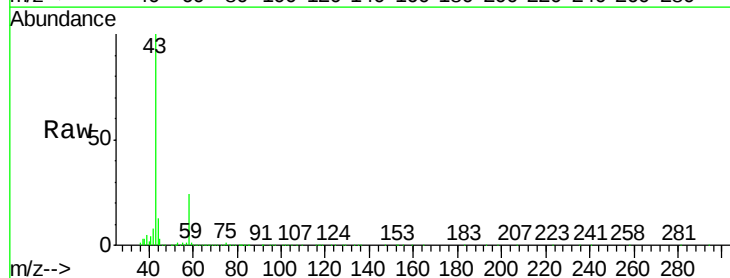
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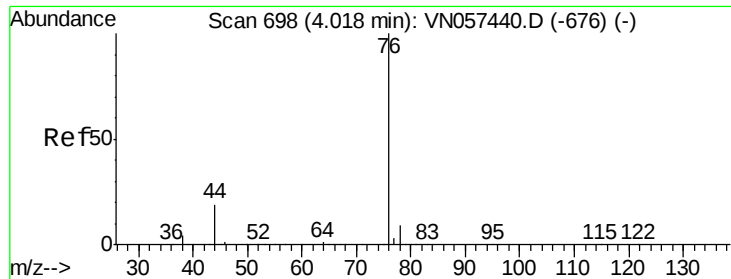
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#16
 Acetone
 Concen: 106.585 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion:	43	Resp:	298017
Ion	Ratio	Lower	Upper
43	100		
58	24.3	22.1	33.1





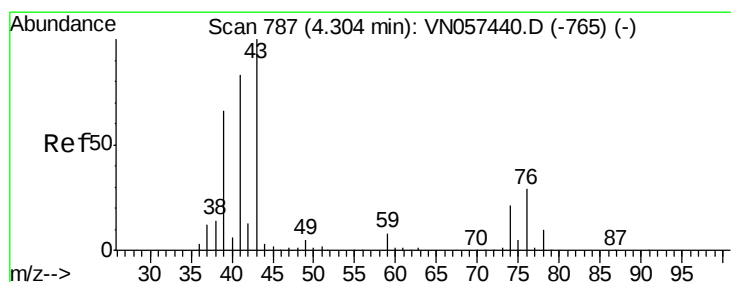
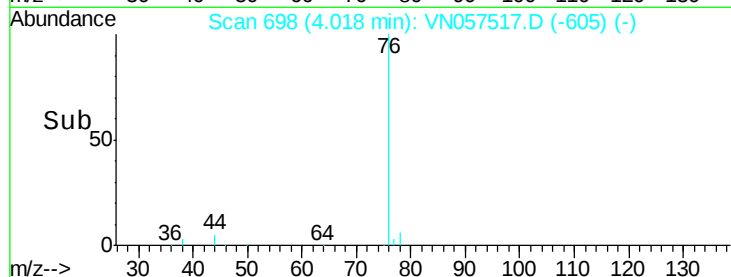
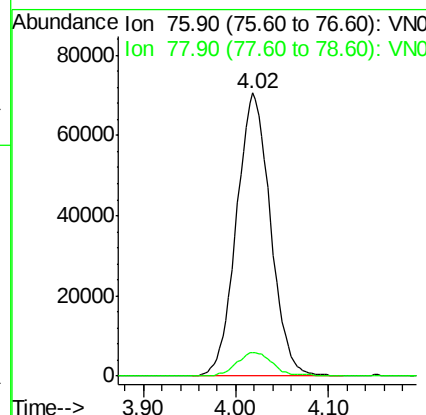
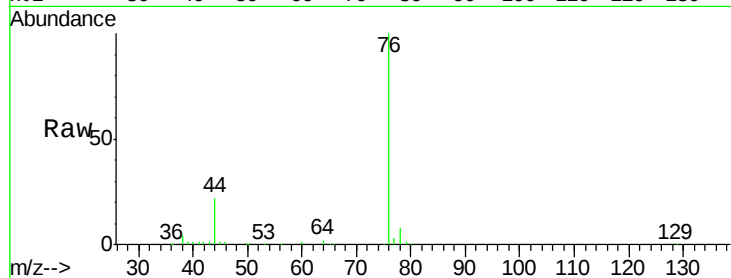
#17
Carbon Disulfide
Concen: 15.955 ug/l
RT: 4.02 min Scan# 698
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.1	10.7

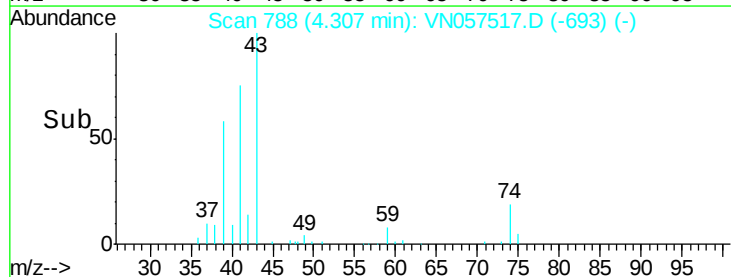
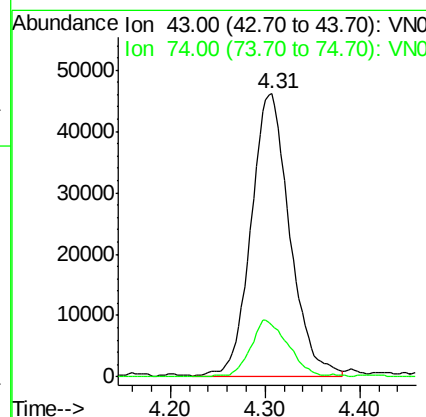
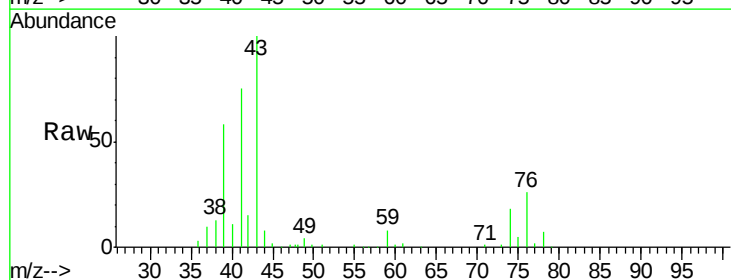
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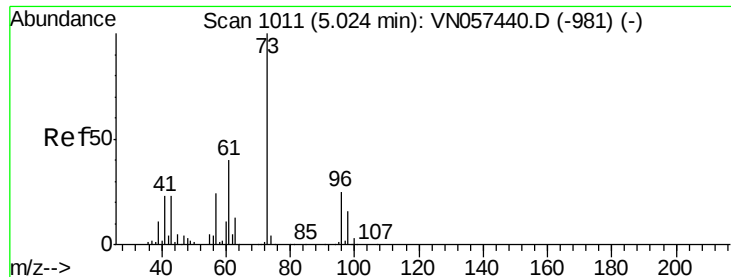
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#18
Methyl Acetate
Concen: 21.276 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.9	23.9





#19

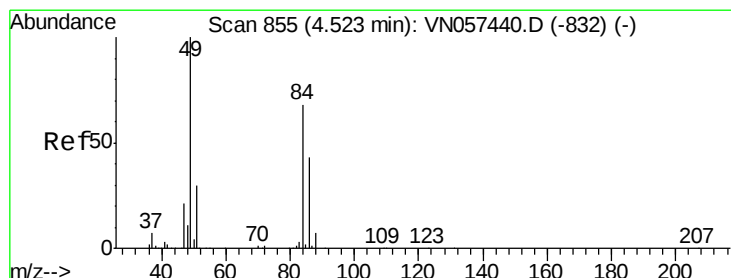
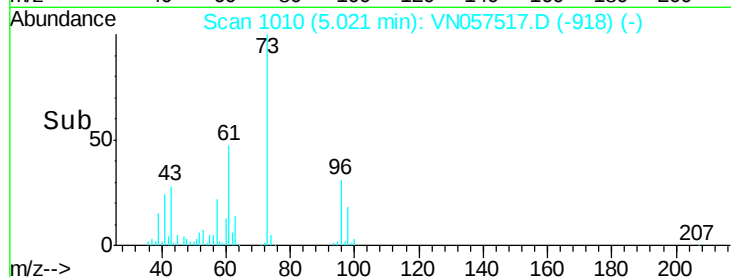
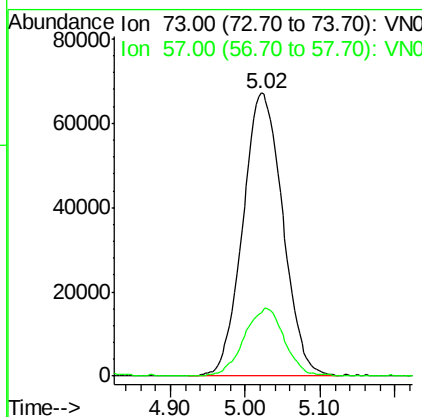
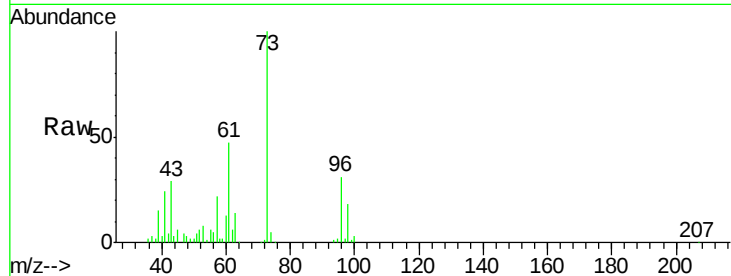
Methyl tert-butyl Ether
 Concen: 17.554 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.1	28.7

Manual Integrations
 APPROVED

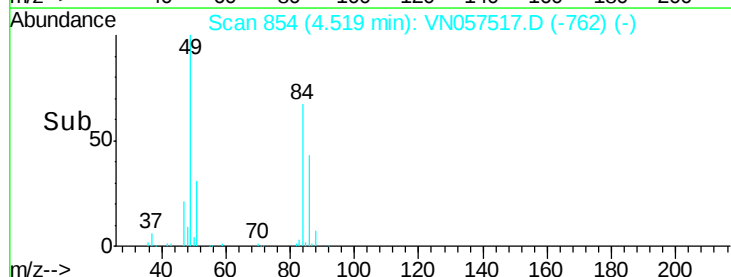
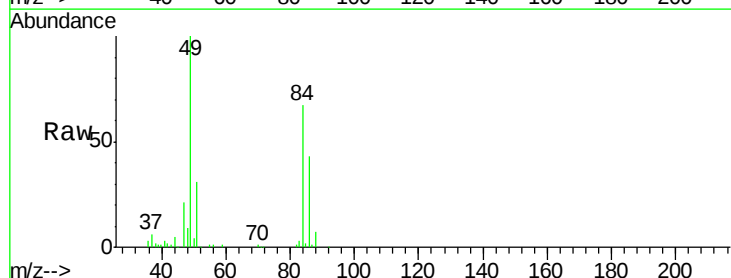
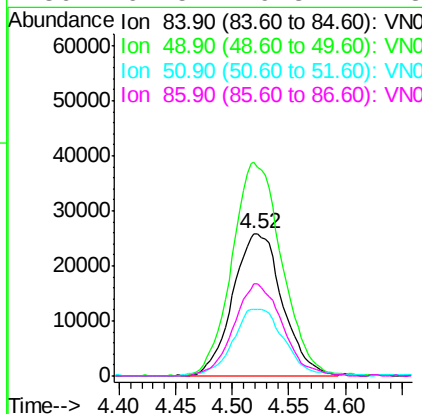
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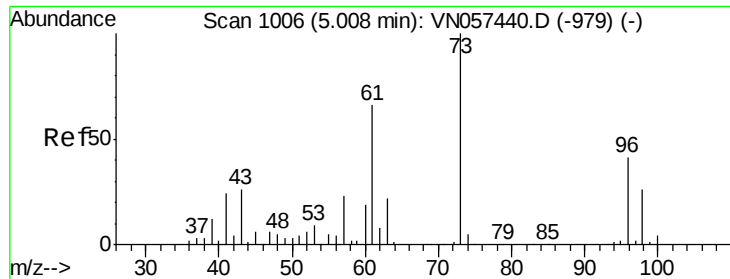


#20

Methylene Chloride
 Concen: 19.023 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.5	117.0	175.4
51	45.1	35.5	53.3
86	64.5	49.8	74.8





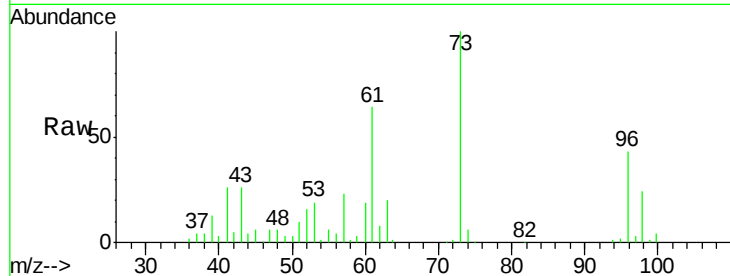
#21
trans-1,2-Dichloroethene
Concen: 17.813 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	127.9	191.9
98	55.0	50.6	76.0

Manual Integrations
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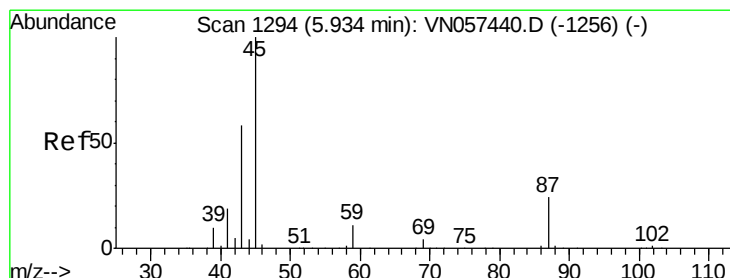
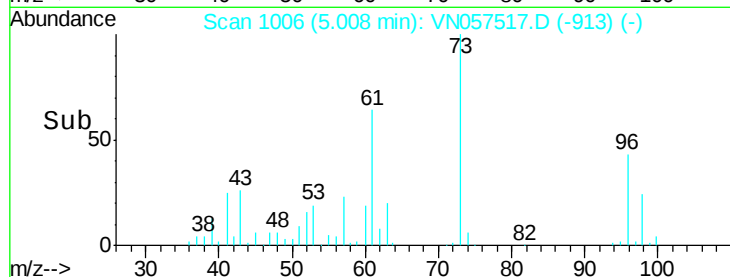
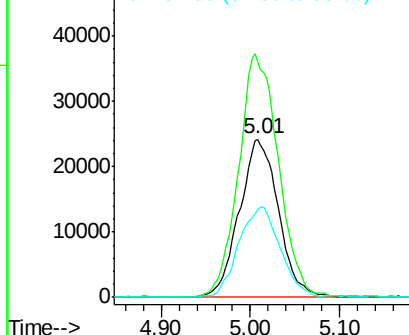


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 18.845 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	46.9	70.3
87	24.0	19.3	28.9
59	10.7	8.7	13.1

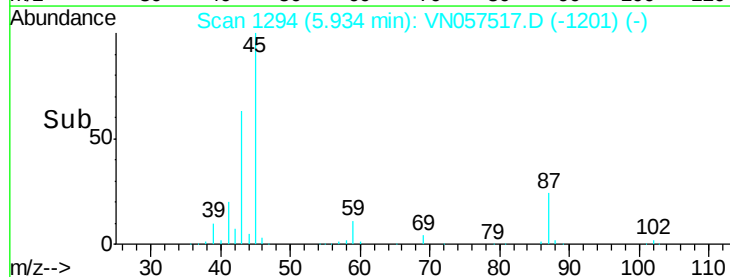
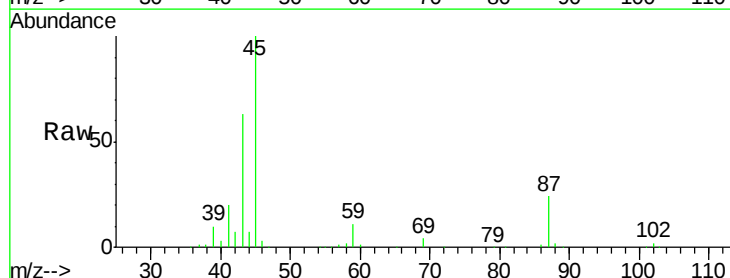
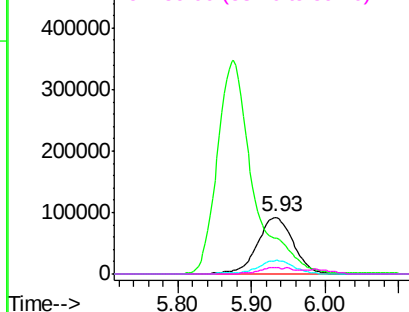
Abundance

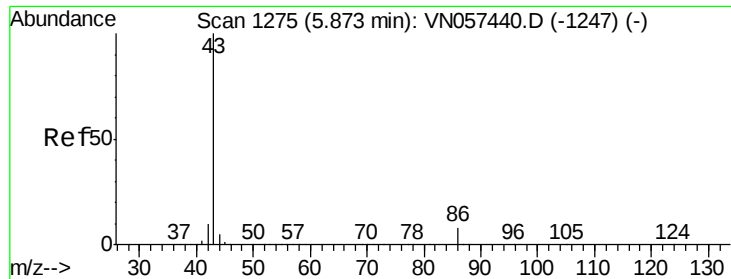
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





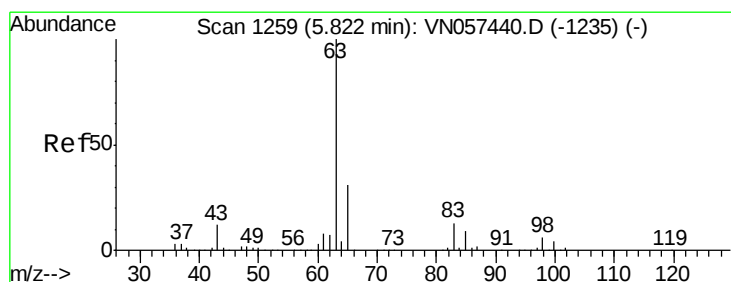
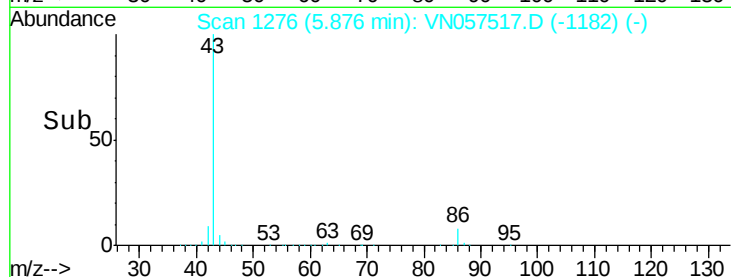
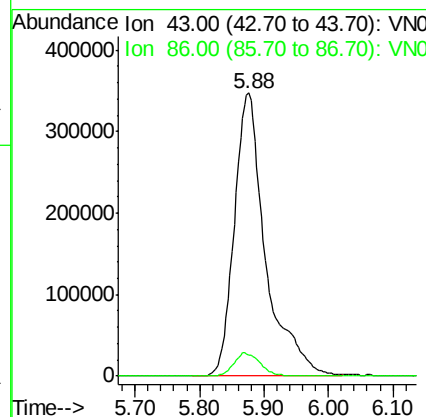
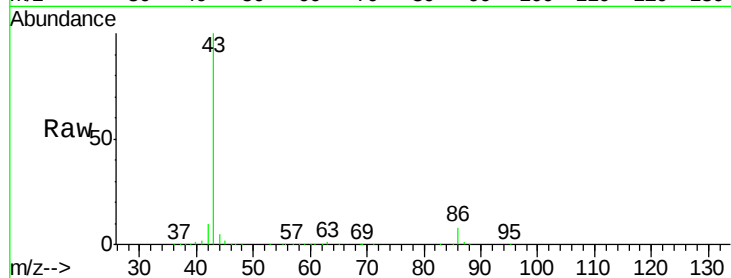
#23
 Vinyl Acetate
 Concen: 89.605 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion: 43 Resp: 1169811
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.7 10.1

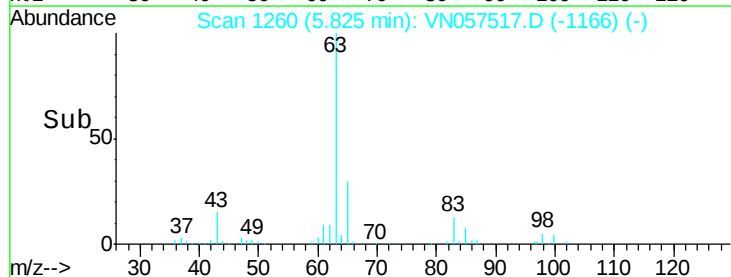
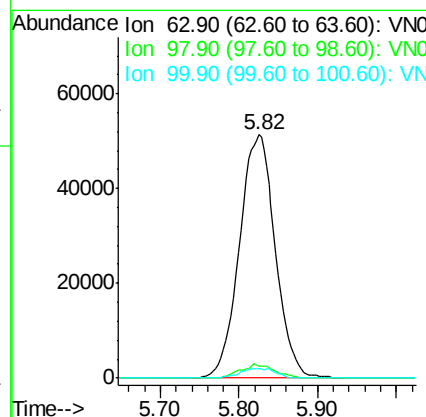
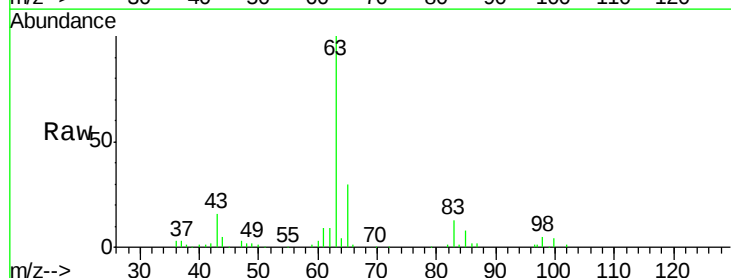
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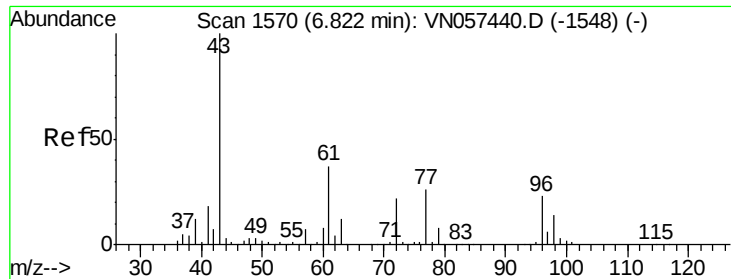
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.506 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion: 63 Resp: 163927
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.9 8.6
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 90.225 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 43 Resp: 273935

Ion Ratio Lower Upper

43 100

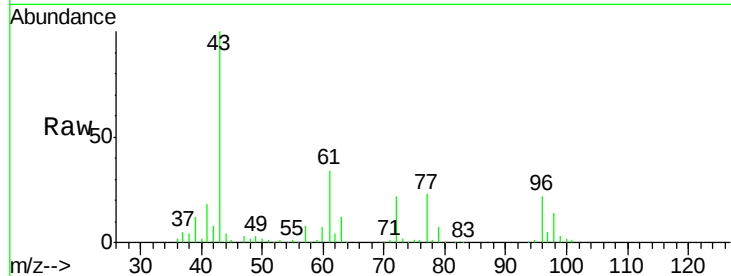
72 22.3 17.8 26.8

Manual Integrations

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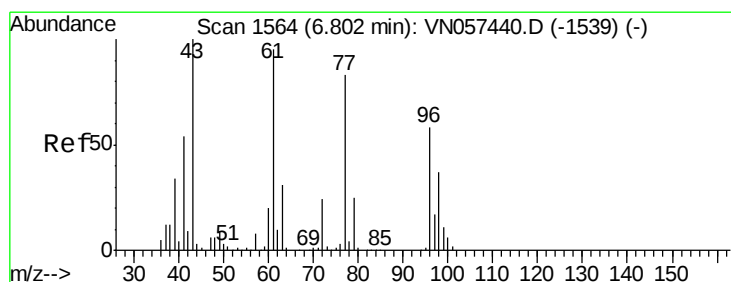
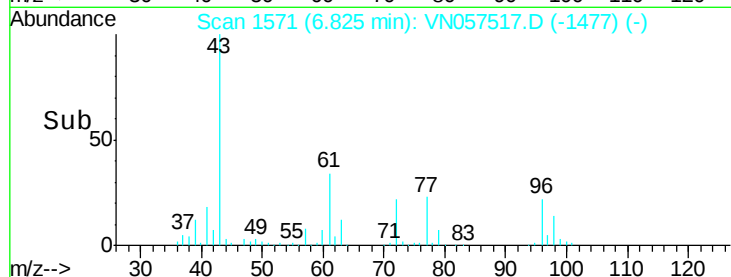
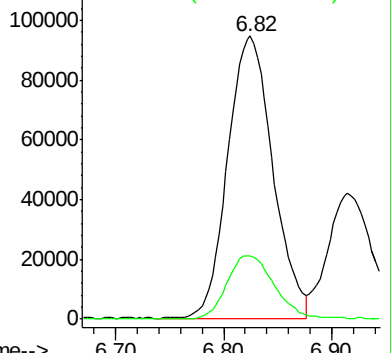
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.518 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057517.D

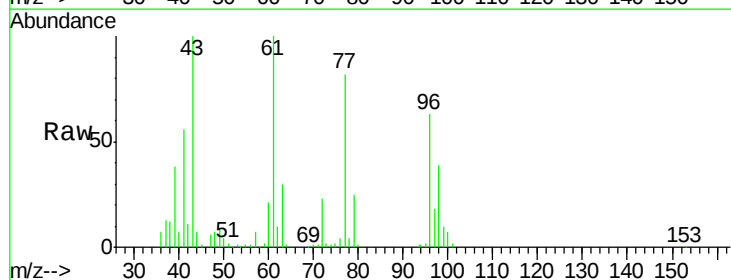
Acq: 26 Aug 2019 18:15

Tgt Ion: 77 Resp: 126711

Ion Ratio Lower Upper

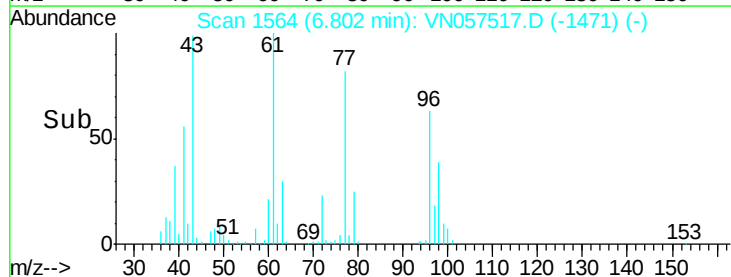
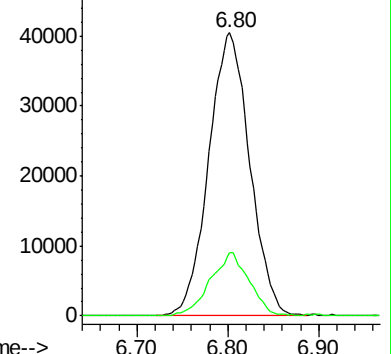
77 100

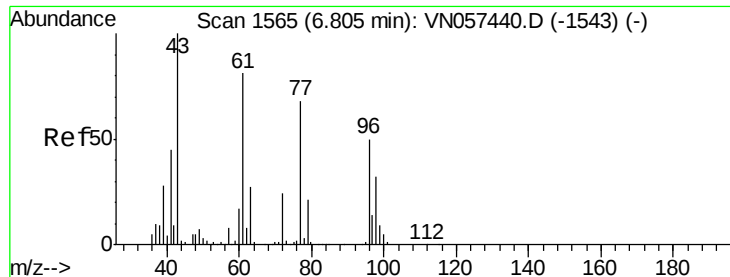
97 21.2 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.735 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

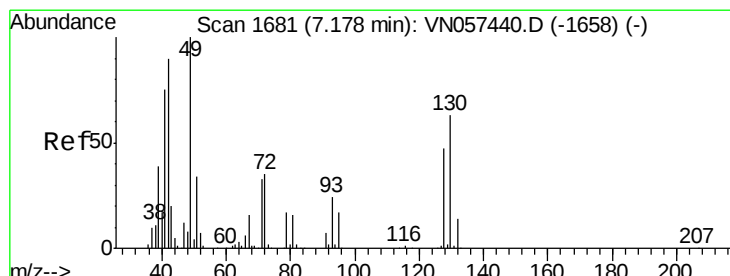
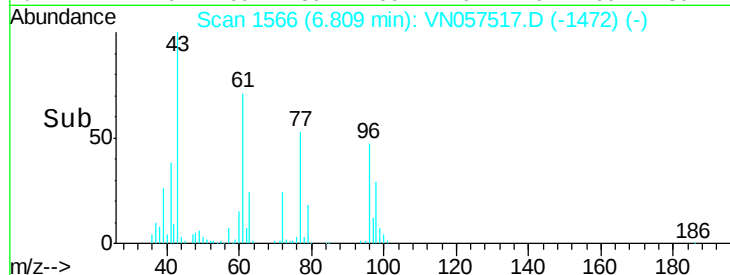
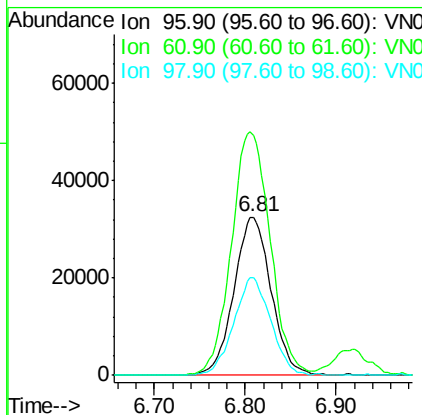
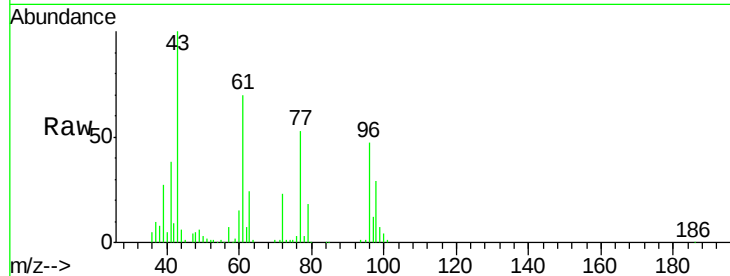
ClientSampleId :

VN0826WBS02

Tot Ion:	96	Resp:	92326
Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	334.8
98	61.3	0.0	127.4

Manual Integrations
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8/27/2019 5:30:41 PM



#28

Bromochloromethane

Concen: 20.651 ug/l

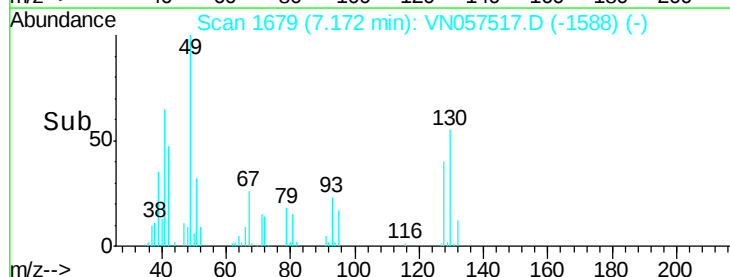
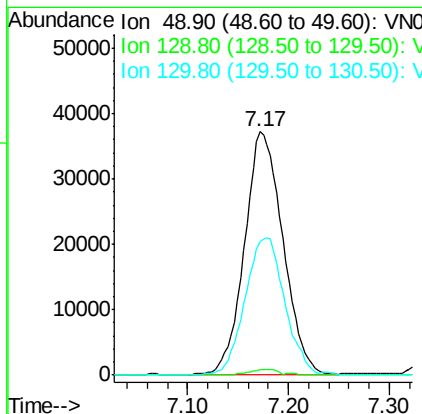
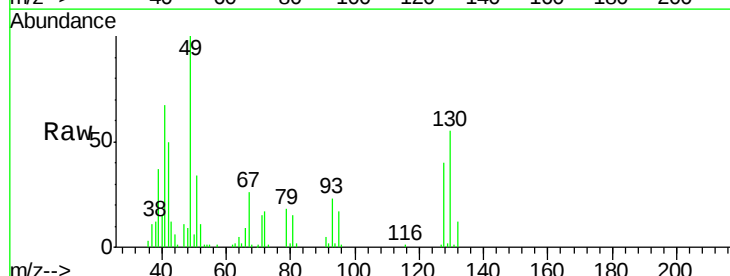
RT: 7.17 min Scan# 1679

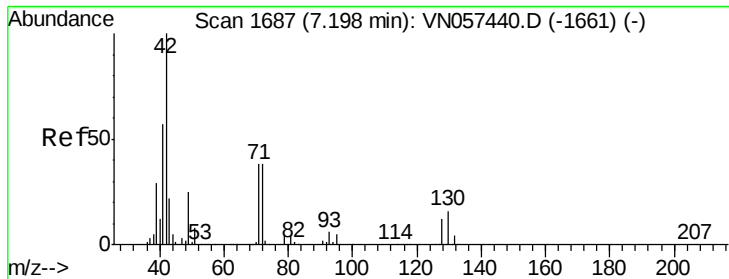
Delta R.T. -0.01 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion:	49	Resp:	98514
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	57.9	48.6	72.8





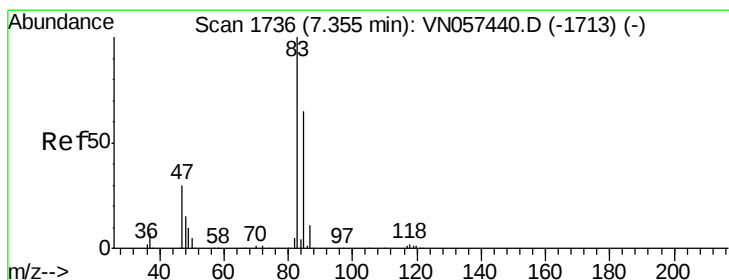
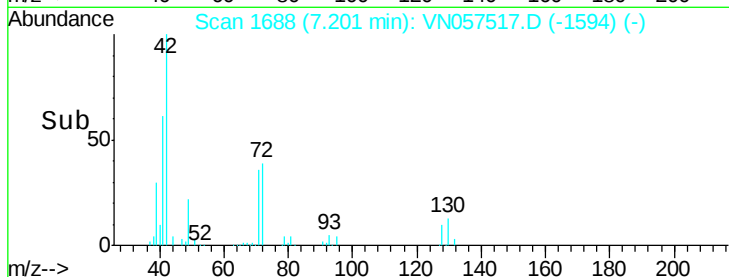
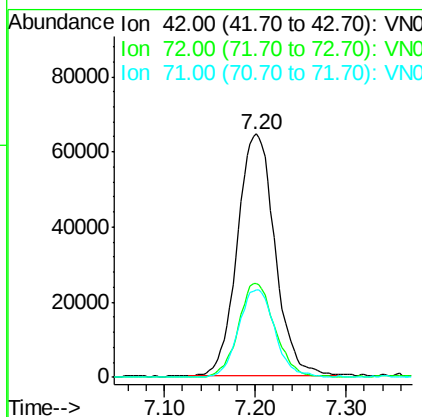
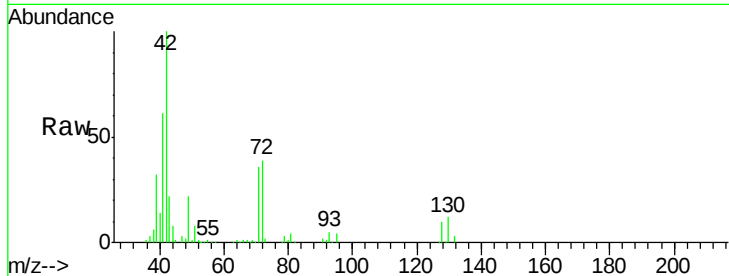
#29
Tetrahydrofuran
Concen: 92.187 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.1	45.1
71	35.3	28.8	43.2

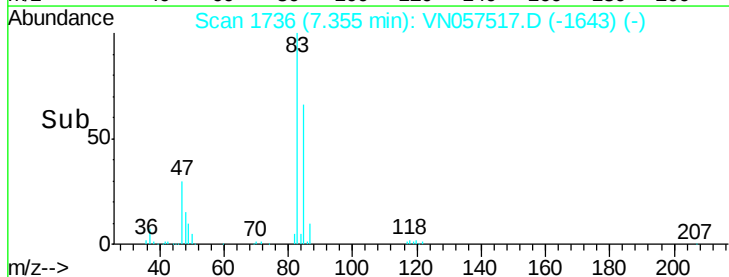
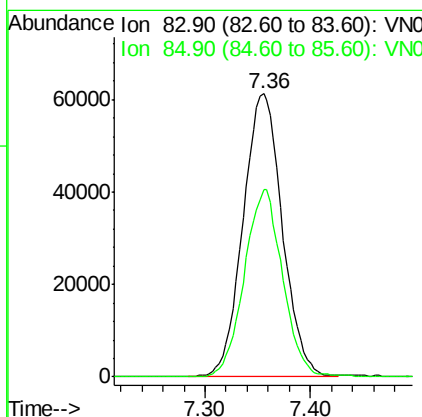
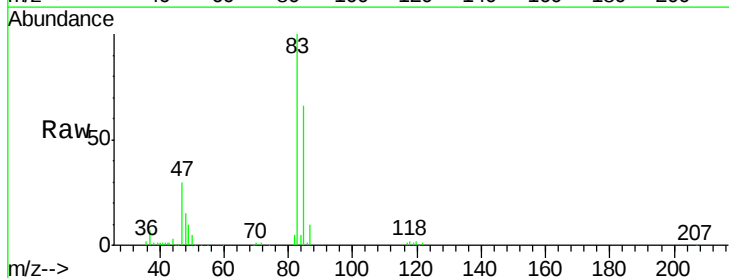
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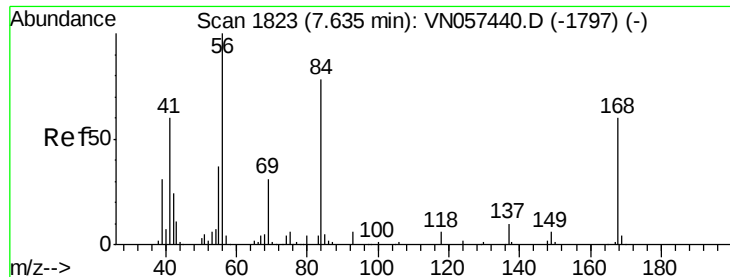
MMDadoda
8/27/2019 5:30:41 PM



#30
Chloroform
Concen: 19.382 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9





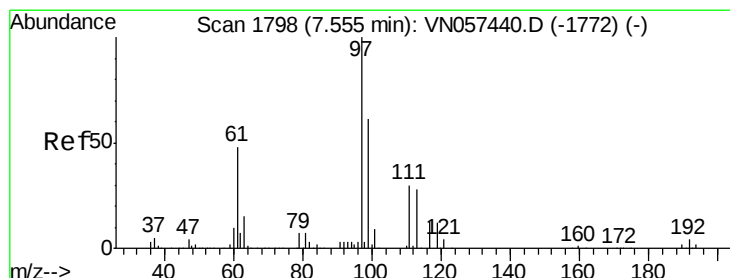
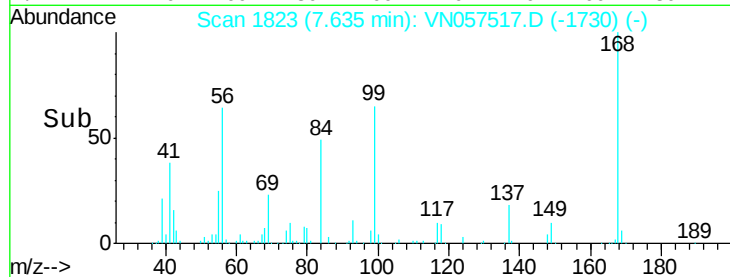
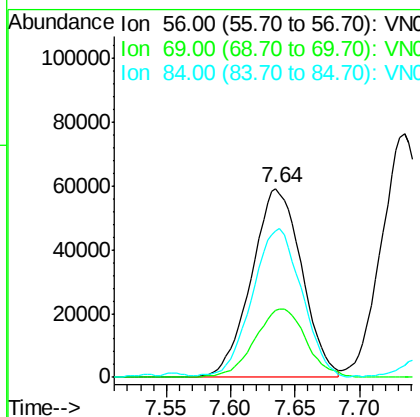
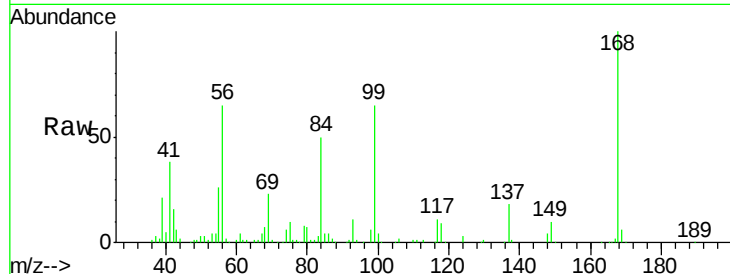
#31
Cyclohexane
Concen: 18.787 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.6
84	76.5	62.5	93.7

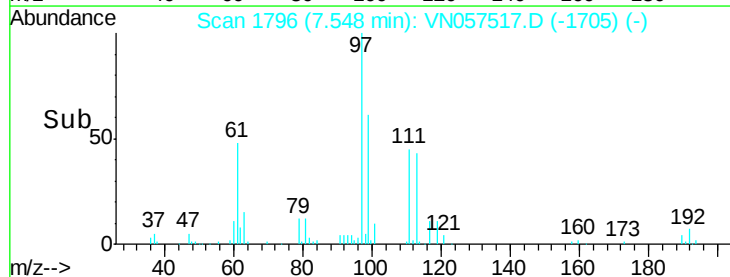
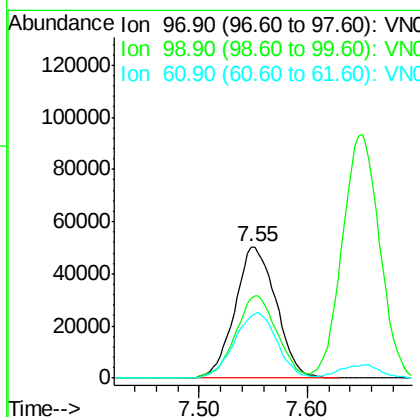
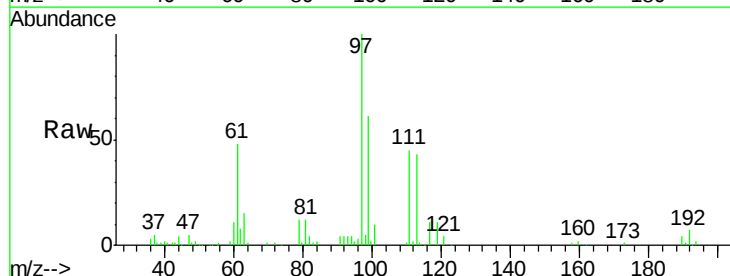
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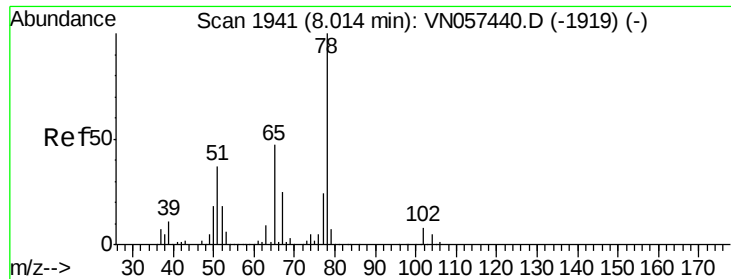
MMDadoda
8/27/2019 5:30:41 PM



#32
1,1,1-Trichloroethane
Concen: 17.554 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.01 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.6
61	51.7	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 53.965 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 65 Resp: 328564

Ion Ratio Lower Upper

65 100

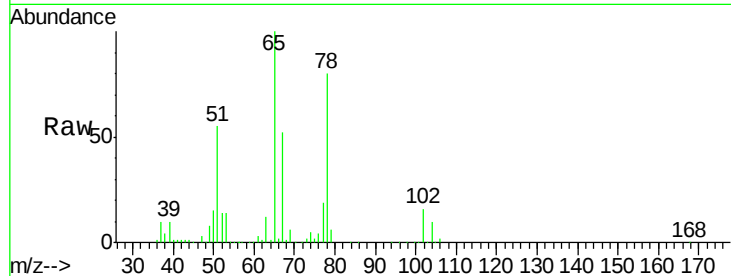
67 52.4 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057440.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN057440.D (-1919) (-)

8.01

150000

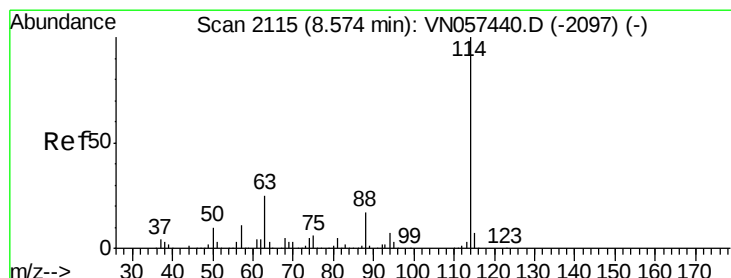
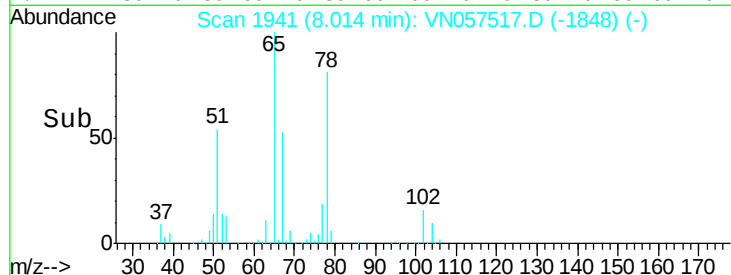
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

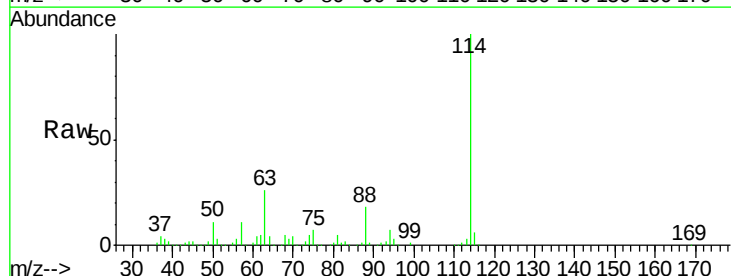
Tgt Ion: 114 Resp: 640400

Ion Ratio Lower Upper

114 100

63 26.2 0.0 50.2

88 17.8 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): VN057440.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057440.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057440.D (-2097) (-)

8.57

400000

300000

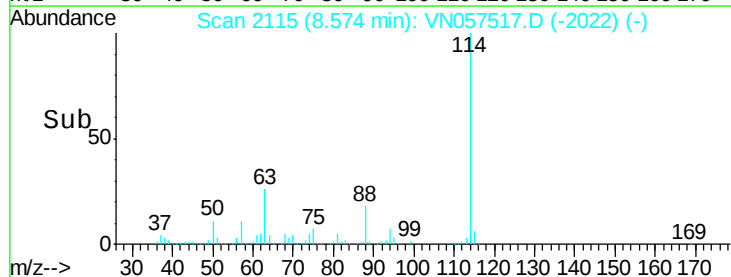
200000

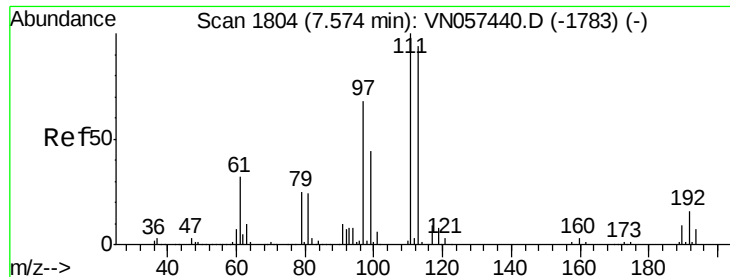
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





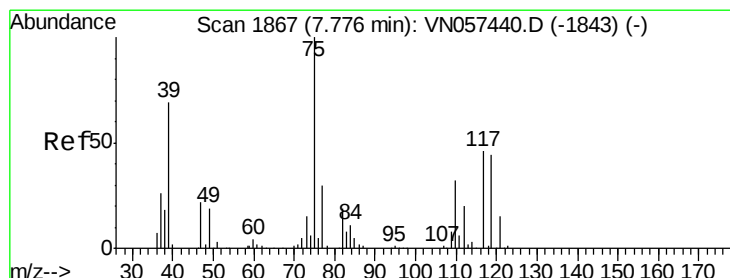
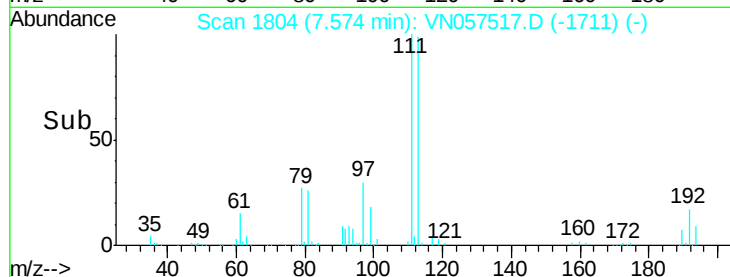
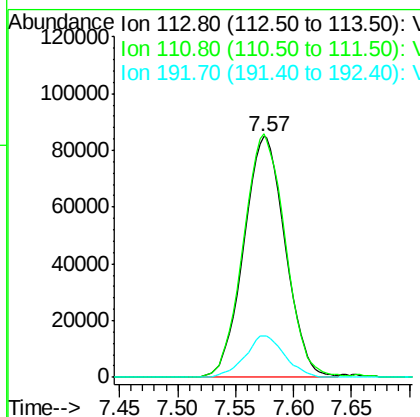
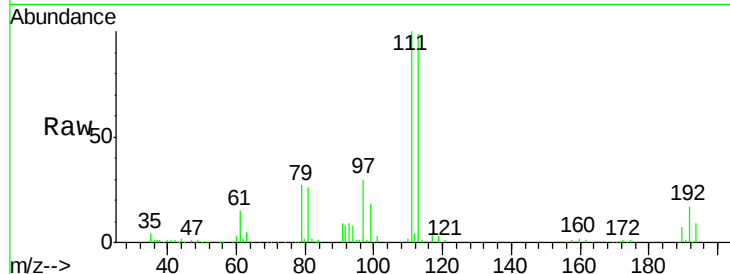
#35
Dibromofluoromethane
Concen: 48.809 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211128		
111	102.1	83.8	125.6	
192	16.5	13.5	20.3	

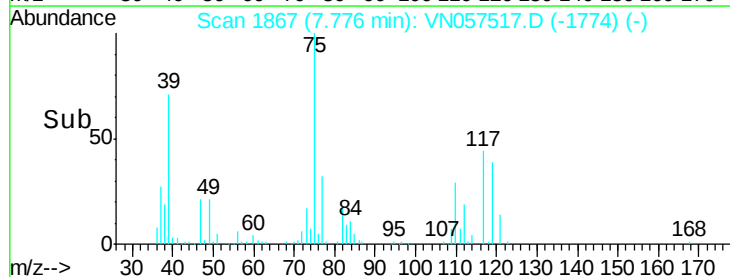
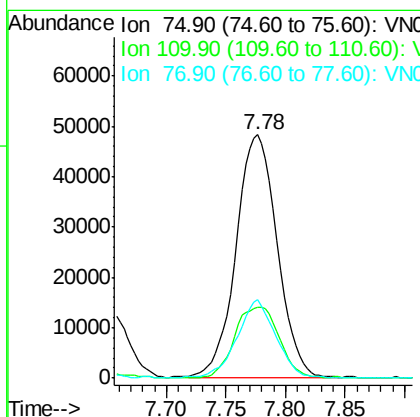
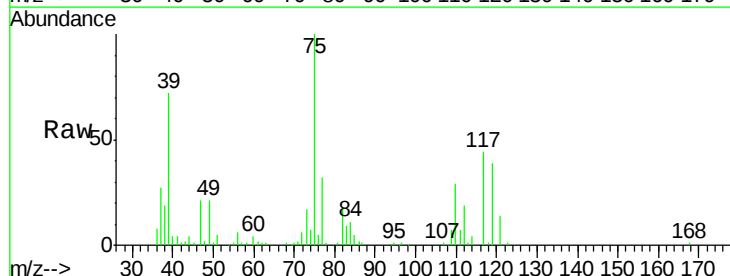
Manual Integrations
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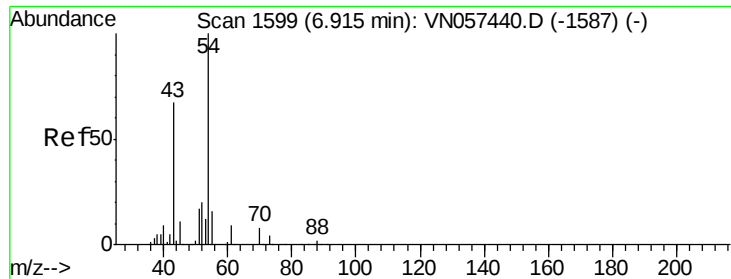
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8/27/2019 5:30:41 PM



#36
1,1-Dichloropropene
Concen: 17.586 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115078		
110	31.9	16.1	48.3	
77	30.7	24.8	37.2	





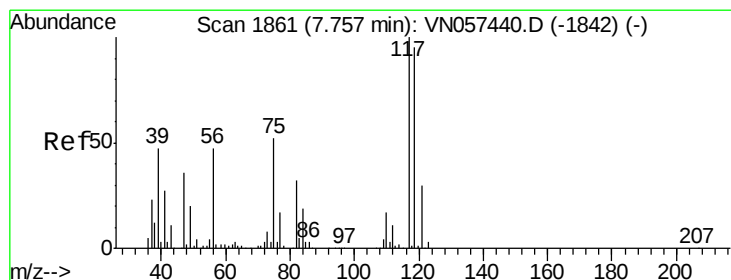
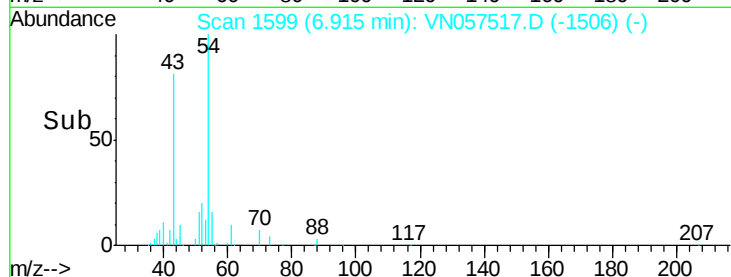
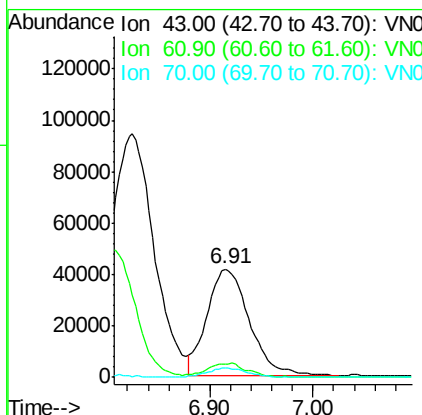
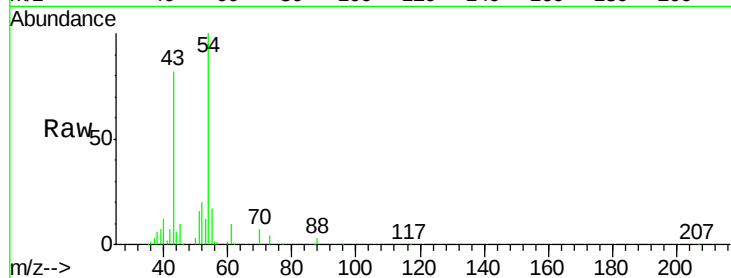
#37
Ethyl Acetate
Concen: 18.562 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.9	14.9
70	8.1	7.0	10.6

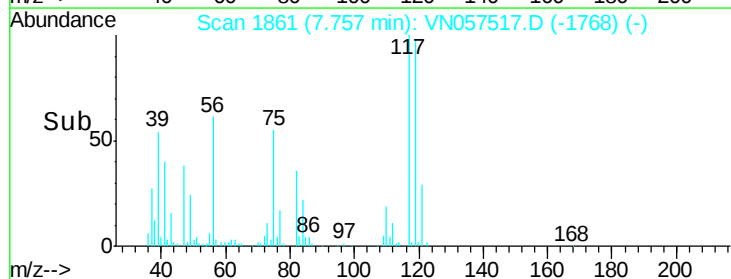
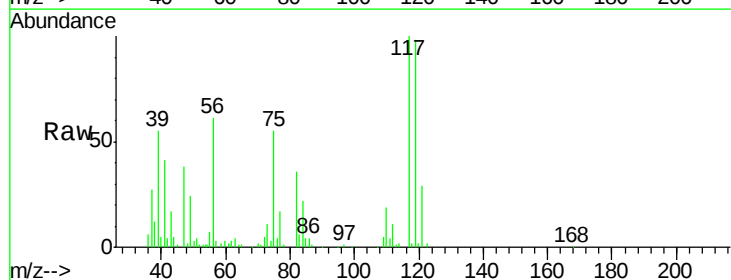
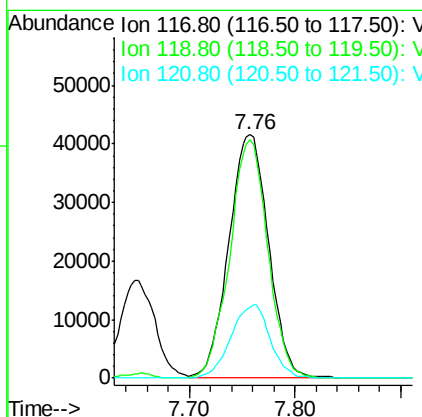
Manual Integrations
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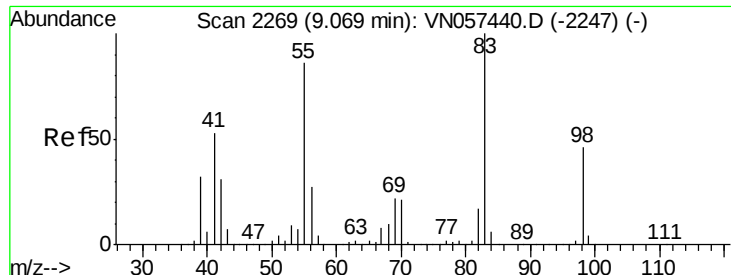
MMDadoda
8/27/2019 5:30:41 PM



#38
Carbon Tetrachloride
Concen: 16.784 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.4
121	29.3	23.8	35.6





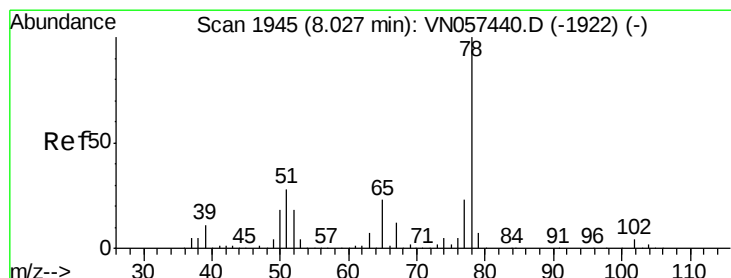
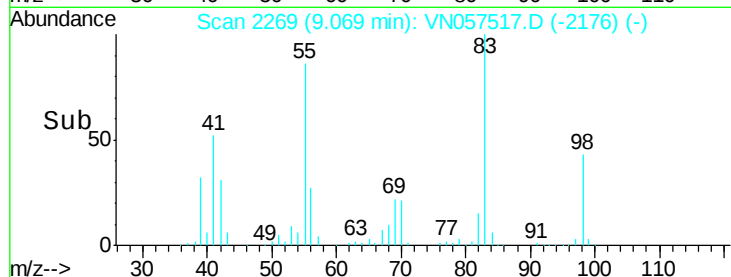
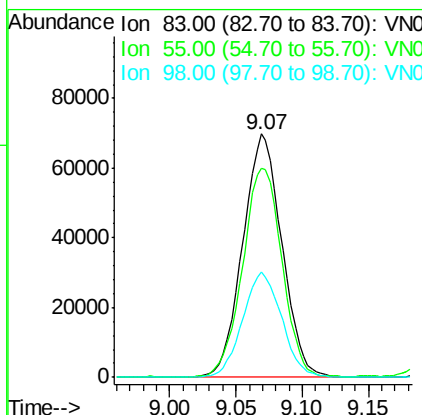
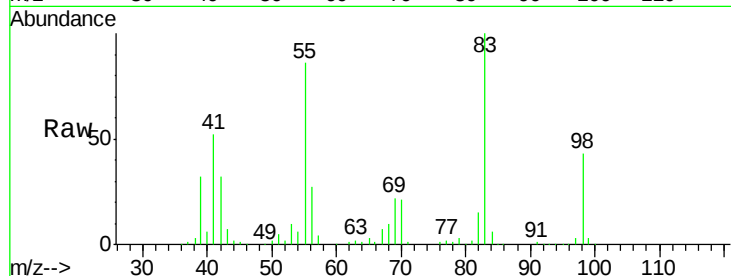
#39
Methvlcvclohexane
Concen: 18.413 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	83	Resp	143101
Ion Ratio	100	Lower	Upper
83	100		
55	85.6	68.6	102.8
98	43.1	36.6	54.8

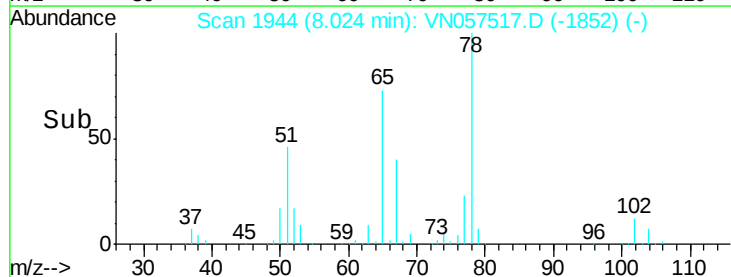
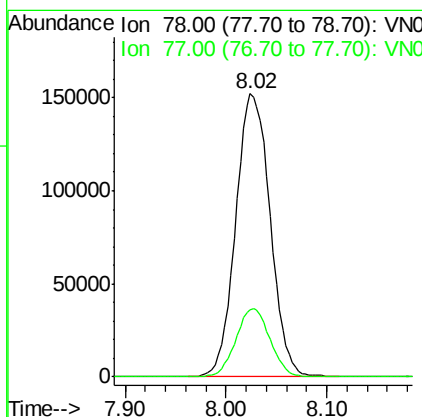
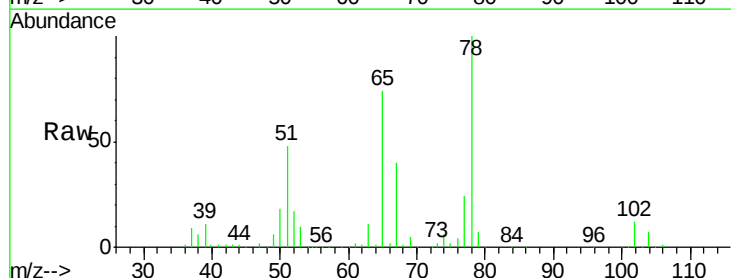
Manual Integrations
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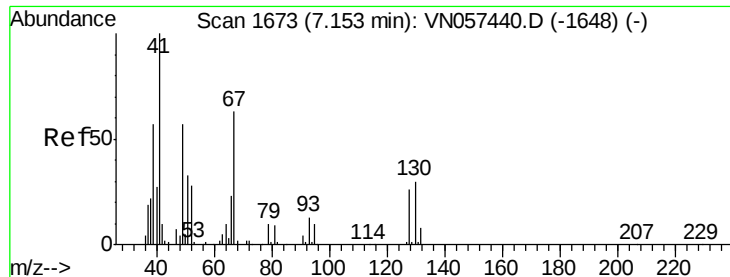
MMDadoda
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#40
Benzene
Concen: 18.331 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	78	Resp	360017
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.5	27.7





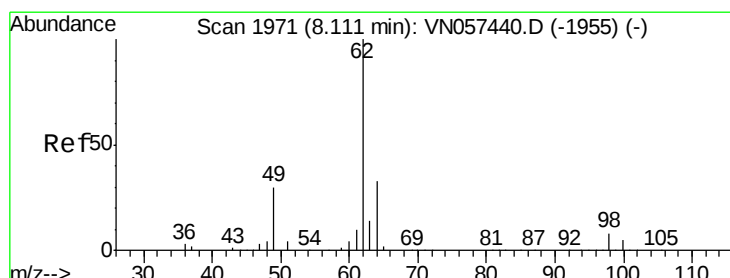
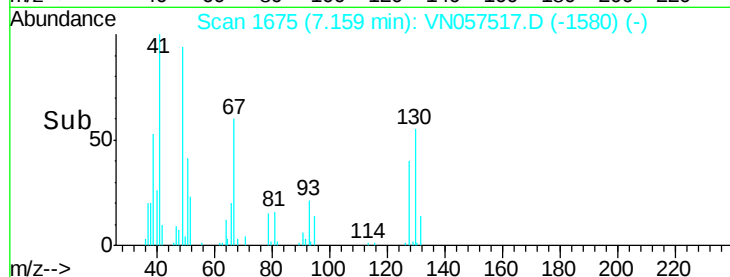
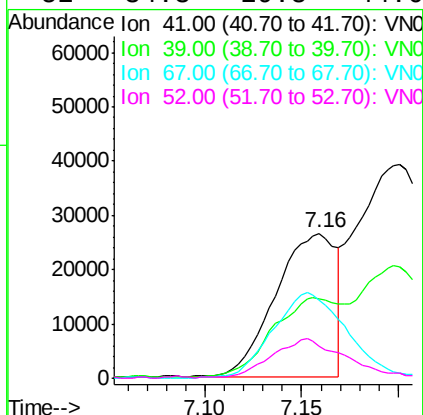
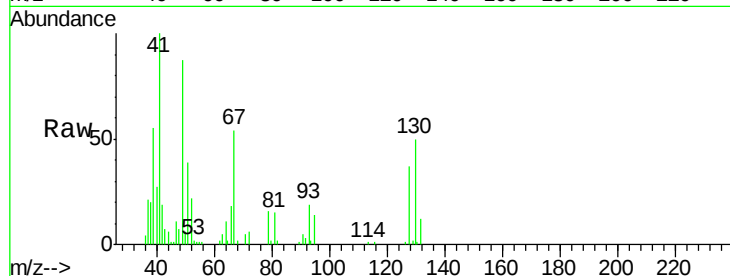
#41
Methacrylonitrile
Concen: 18.582 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	41	Resp	57293
Ion	Ratio	Lower	Upper
41	100		
39	58.1	53.6	80.4
67	74.0	65.4	98.2
52	34.3	29.8	44.6

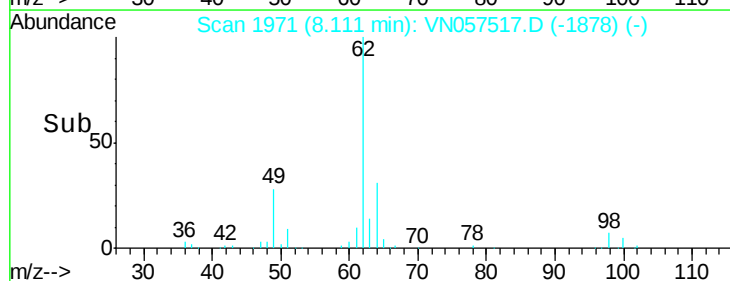
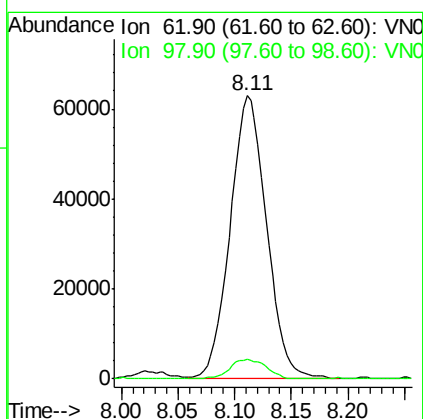
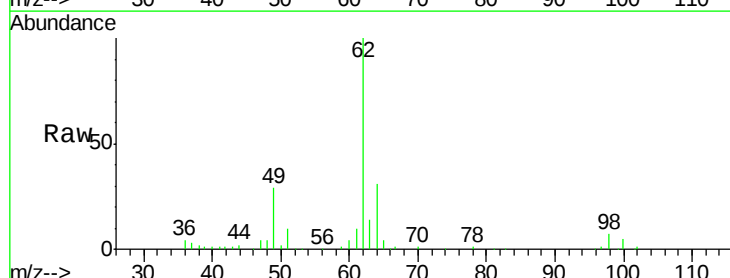
Manual Integrations
APPROVED

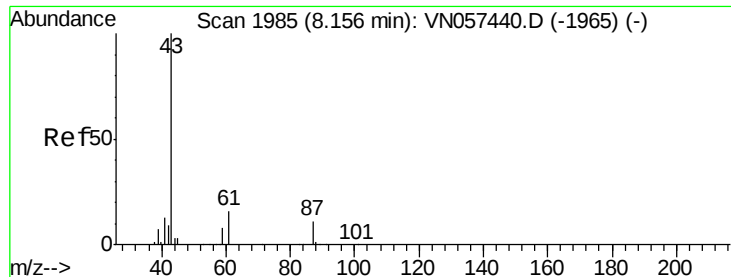
MMDadoda
8/27/2019 5:30:41 PM



#42
1,2-Dichloroethane
Concen: 18.703 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	62	Resp	141435
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	15.4





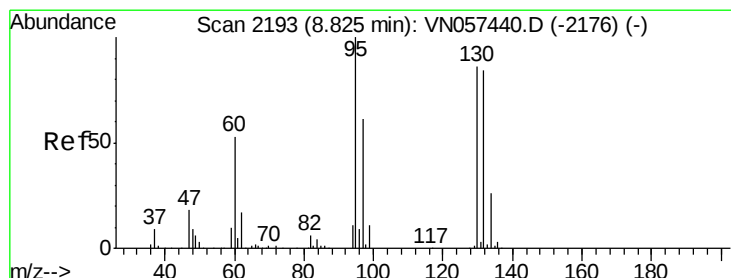
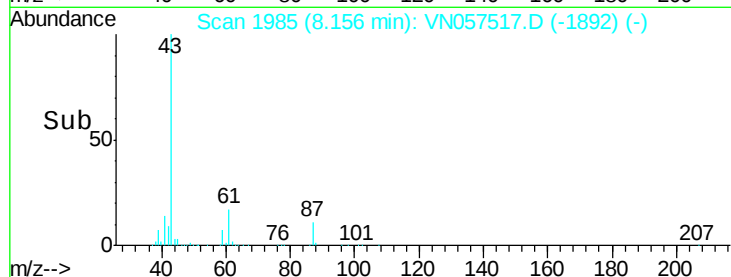
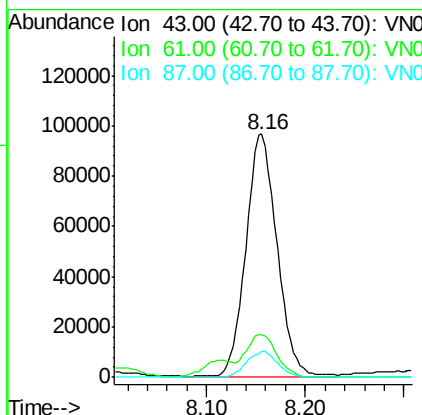
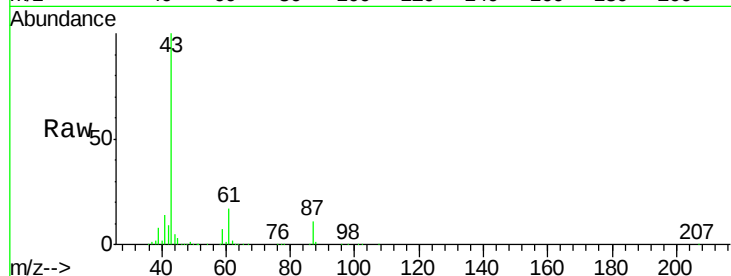
#43
Isopropyl Acetate
Concen: 17.693 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	14.5	21.7
87	10.7	8.6	12.8

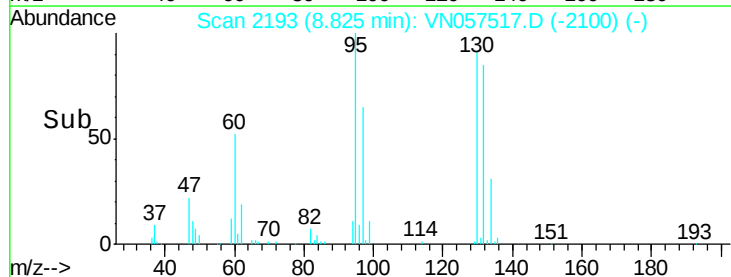
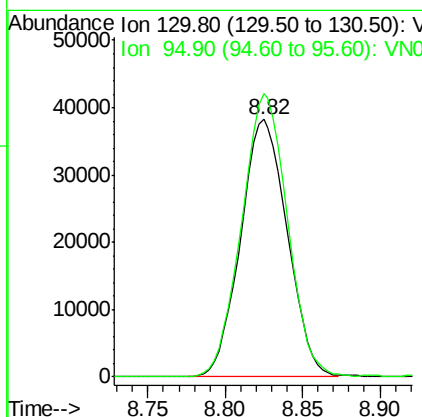
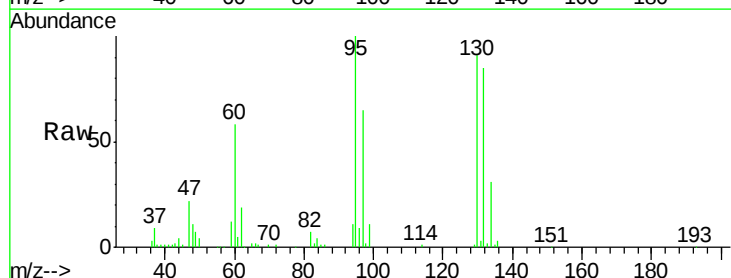
Manual Integrations
APPROVED

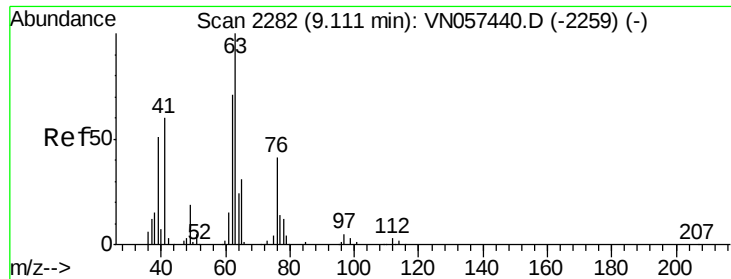
MMDadoda
8/27/2019 5:30:41 PM



#44
Trichloroethene
Concen: 18.282 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.8	0.0	231.6





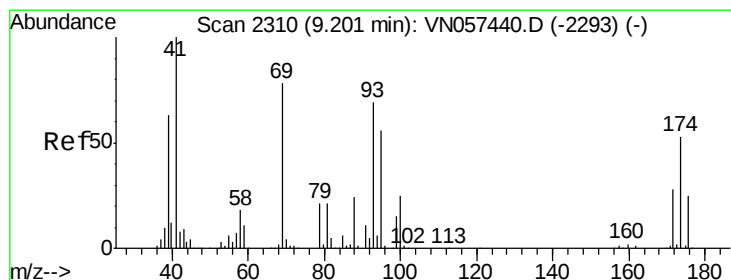
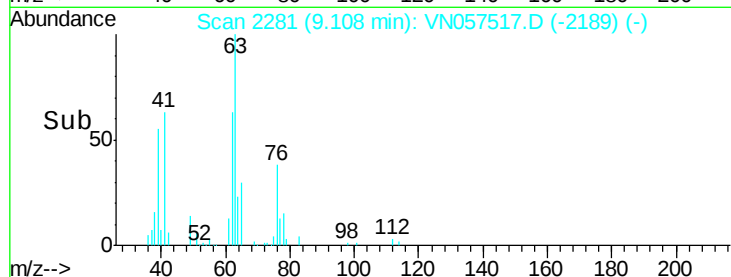
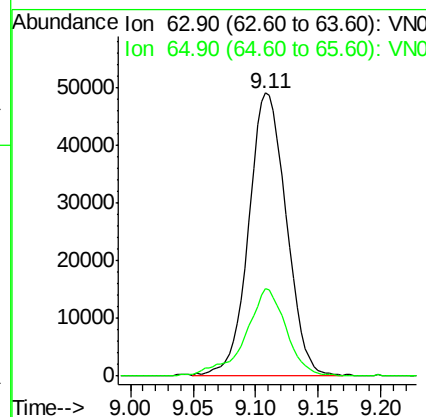
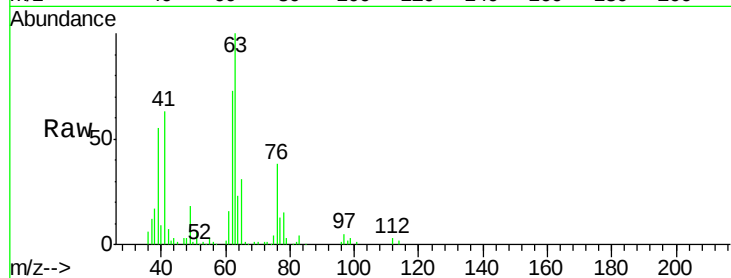
#45
 1,2-Dichloropropane
 Concen: 18.579 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion: 63 Resp: 102768
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

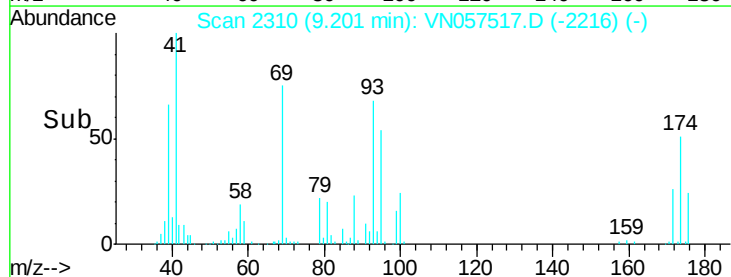
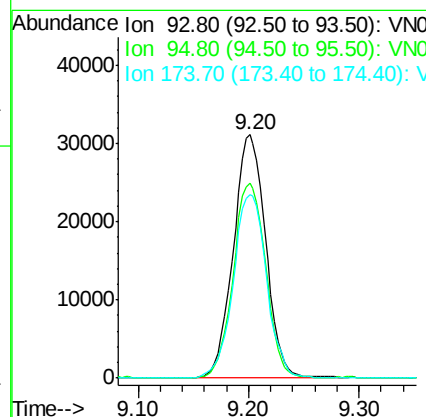
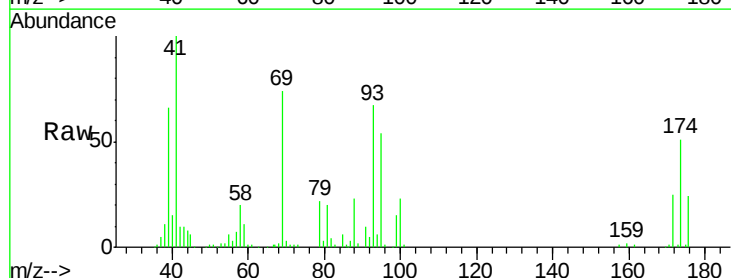
Manual Integrations
 APPROVED

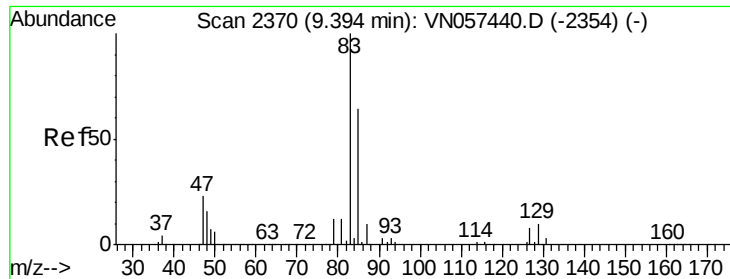
MMDadoda
 8/27/2019 5:30:41 PM



#46
 Dibromomethane
 Concen: 19.313 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion: 93 Resp: 63360
 Ion Ratio Lower Upper
 93 100
 95 80.4 64.7 97.1
 174 77.2 62.3 93.5





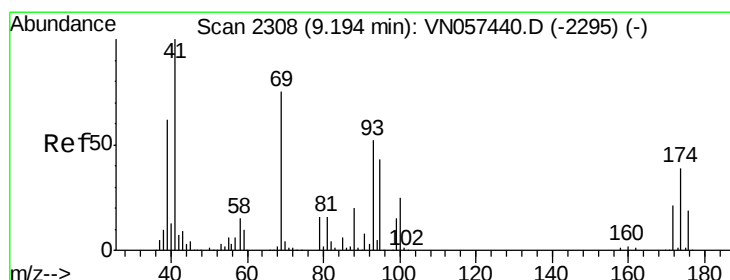
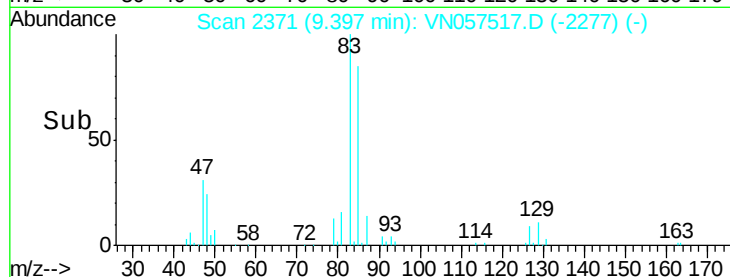
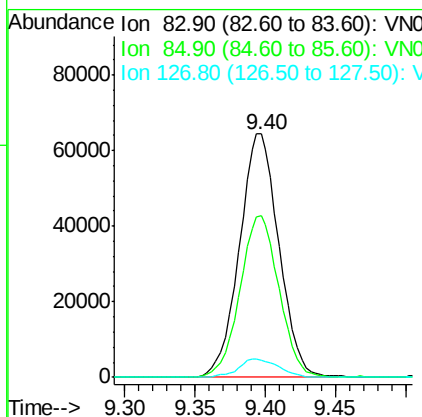
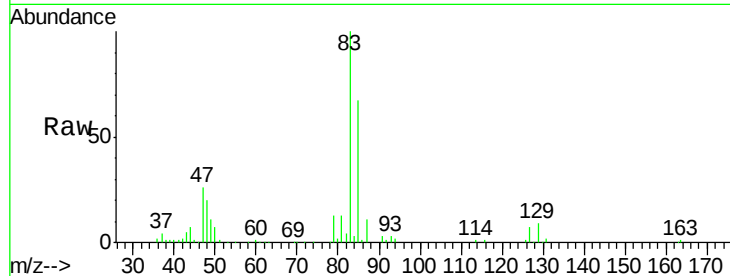
#47
 Bromodichloromethane
 Concen: 17.285 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	83	Resp	126137
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	51.2	76.8
127	7.3	6.6	10.0

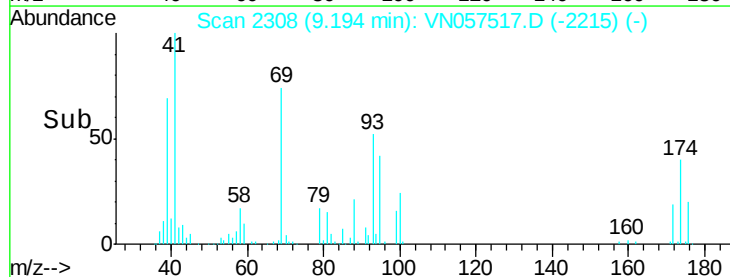
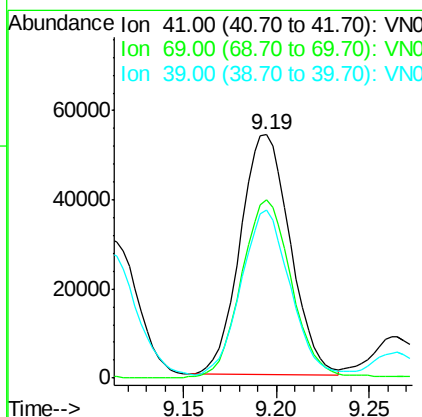
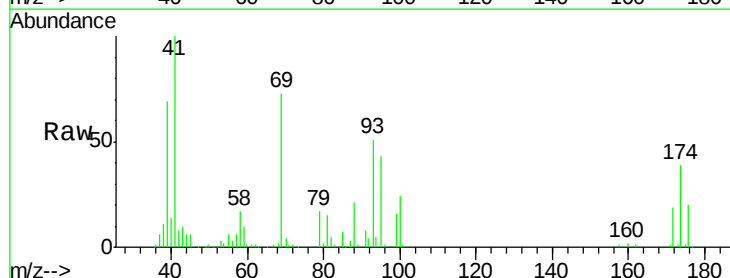
Manual Integrations
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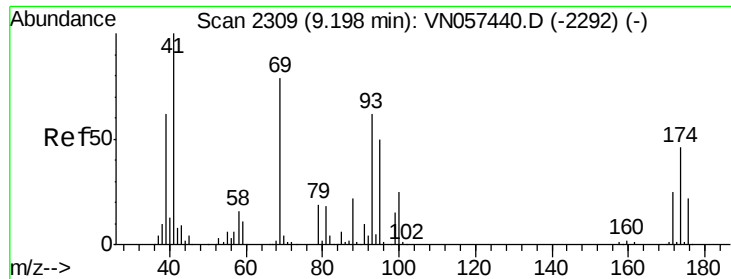
MMDadoda
 8/27/2019 5:30:41 PM



#48
 Methyl methacrylate
 Concen: 17.868 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	41	Resp	100737
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	59.3	88.9
39	68.8	50.6	75.8





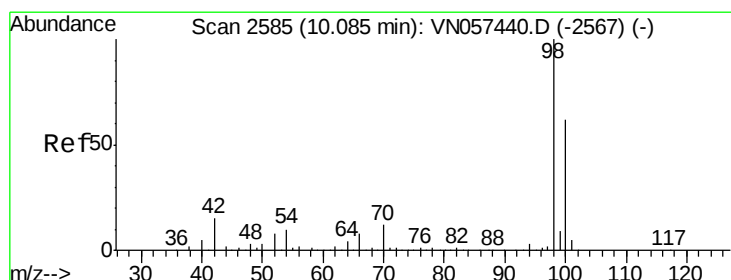
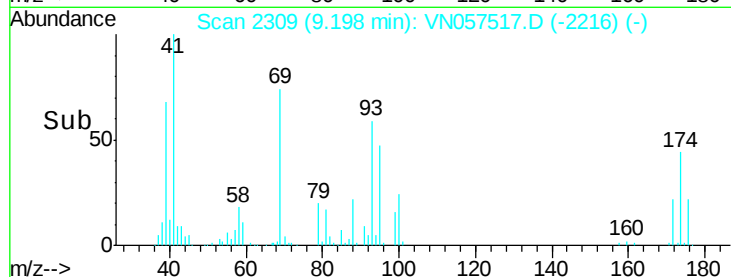
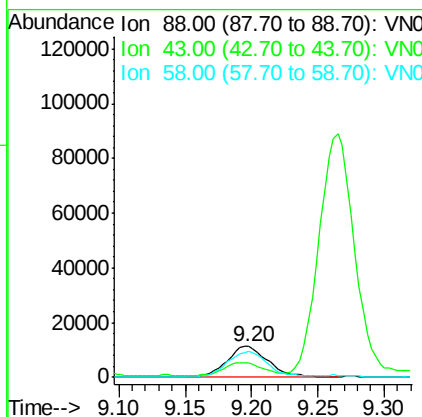
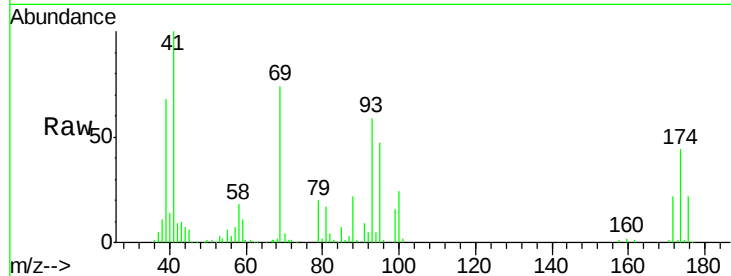
#49
1,4-Dioxane
Concen: 336.629 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	31.0	46.6
58	84.1	64.5	96.7

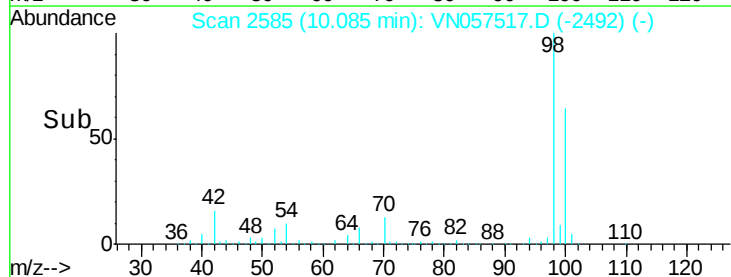
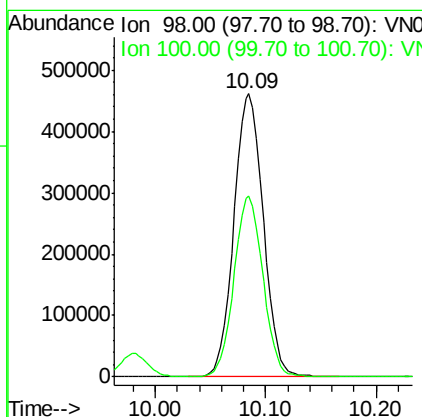
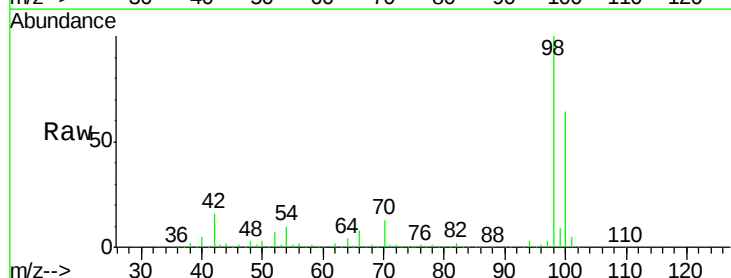
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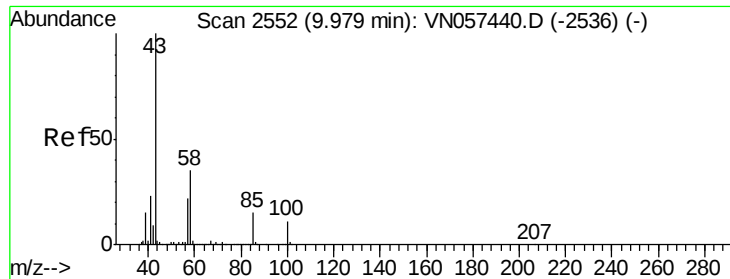
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#50
Toluene-d8
Concen: 52.121 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.4	75.6





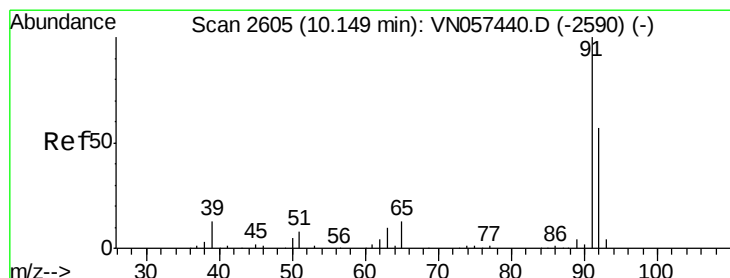
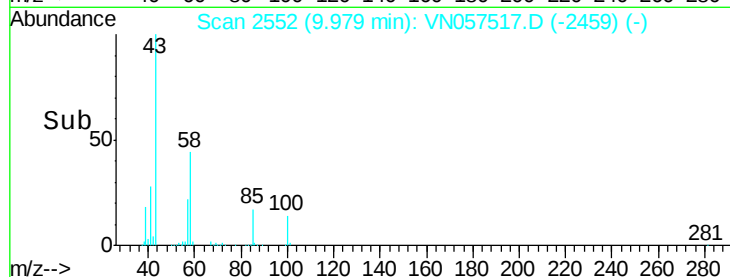
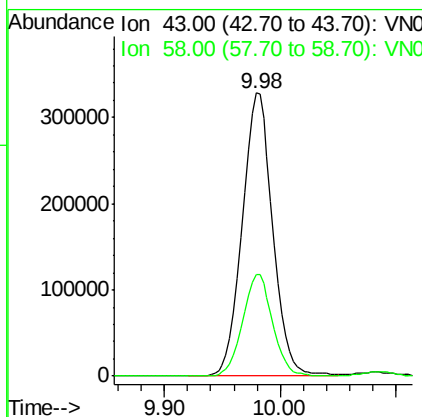
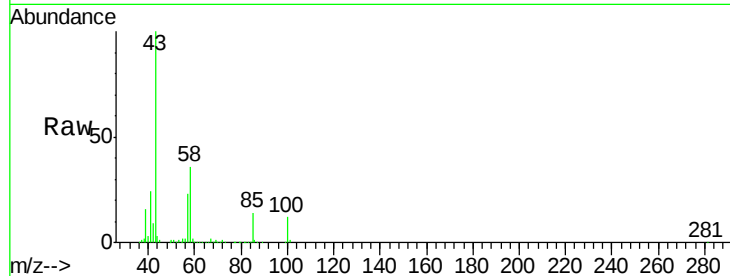
#51
4-Methyl-2-Pentanone
Concen: 90.283 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	43	Resp	596552
Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.9	41.9

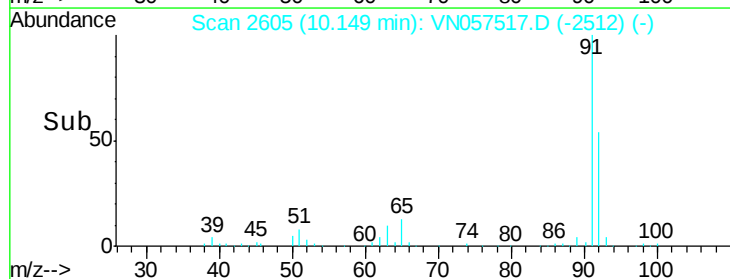
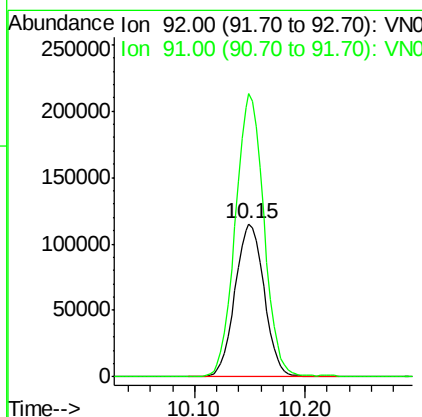
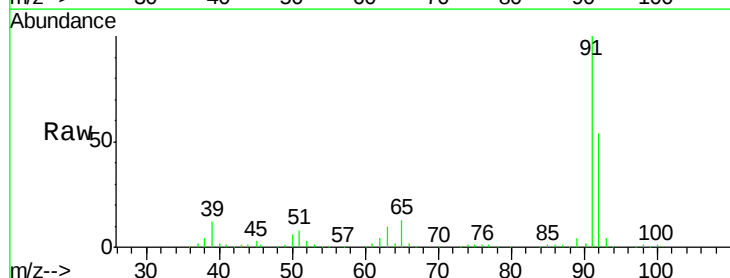
Manual Integrations
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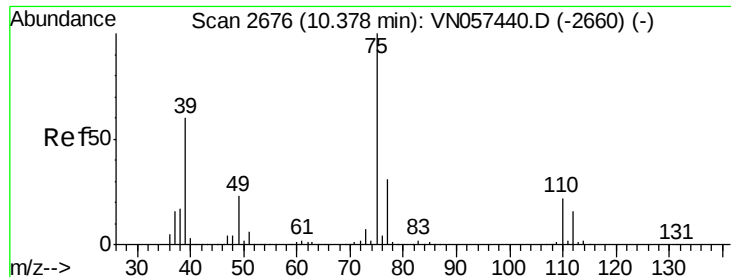
MMDadoda
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#52
Toluene
Concen: 18.709 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	92	Resp	211777
Ion	Ratio	Lower	Upper
92	100		
91	180.2	140.9	211.3





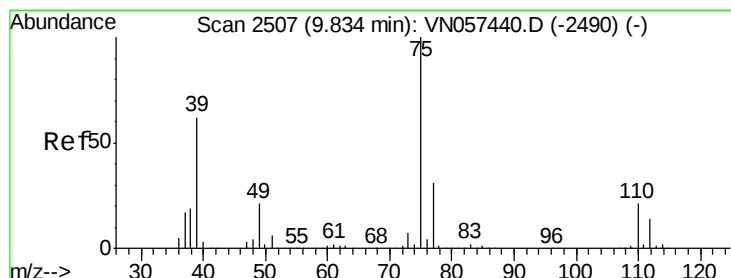
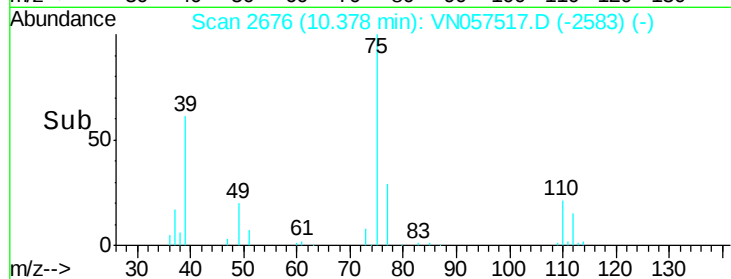
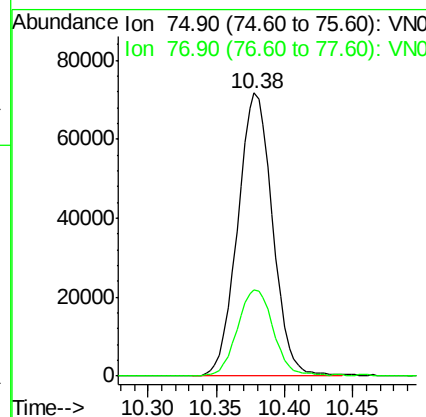
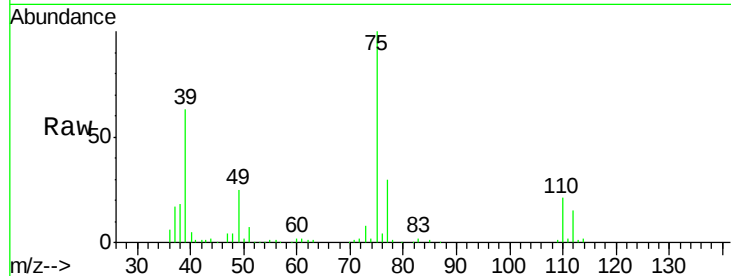
#53
 t-1,3-Dichloropropene
 Concen: 16.662 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.6

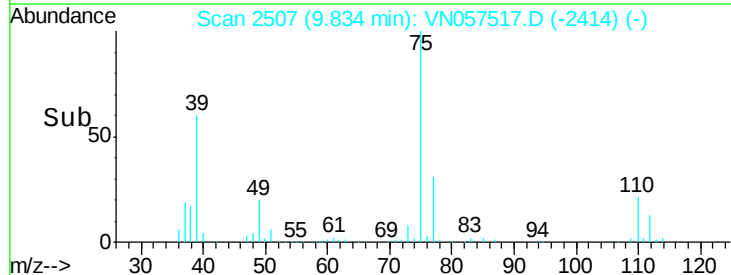
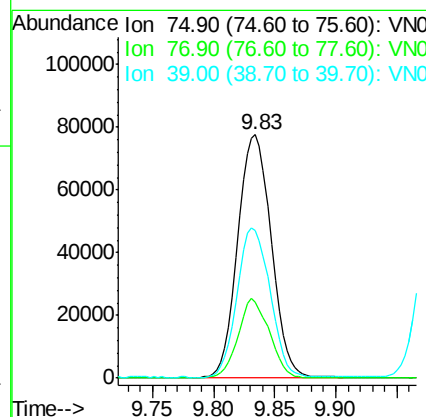
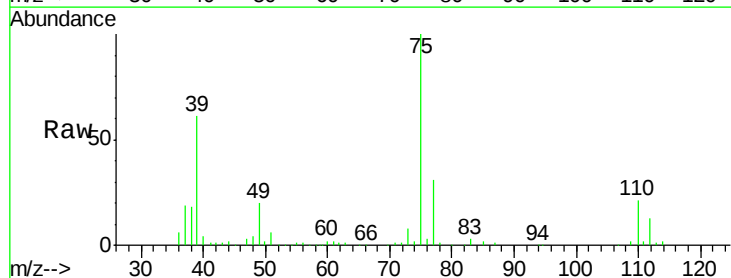
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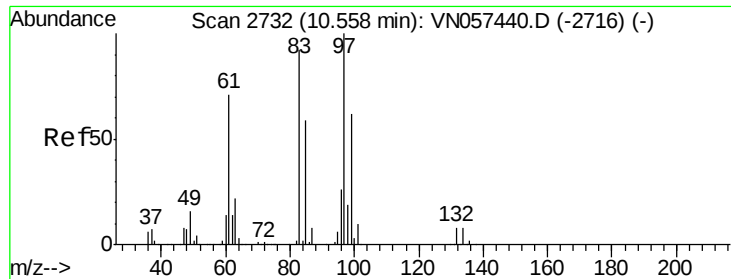
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 8/27/2019 5:30:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.481 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6
39	60.3	49.2	73.8





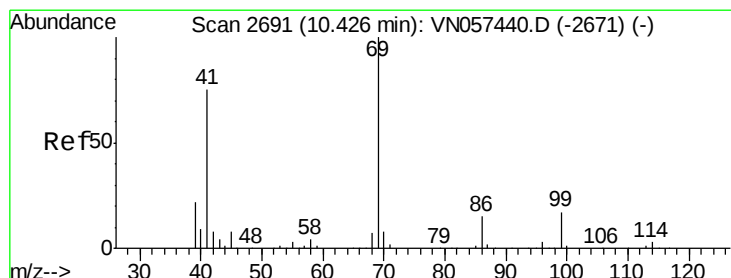
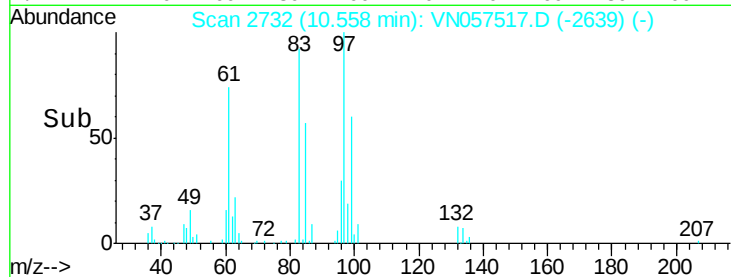
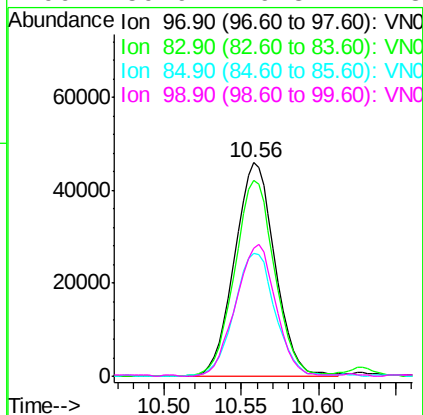
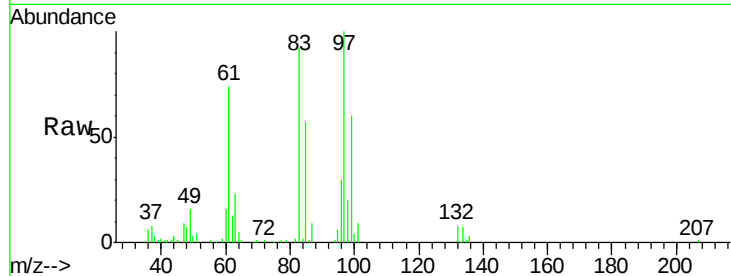
#55
 1,1,2-Trichloroethane
 Concen: 18.206 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.6	73.7	110.5
85	56.9	46.8	70.2
99	59.9	49.8	74.8

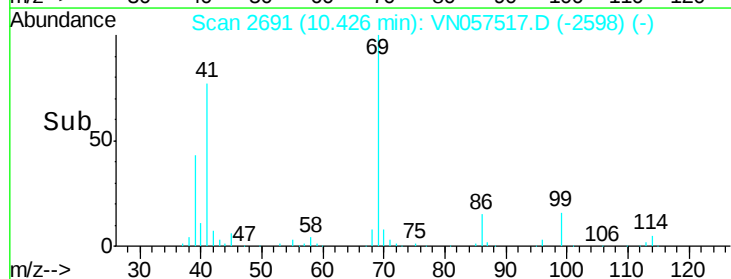
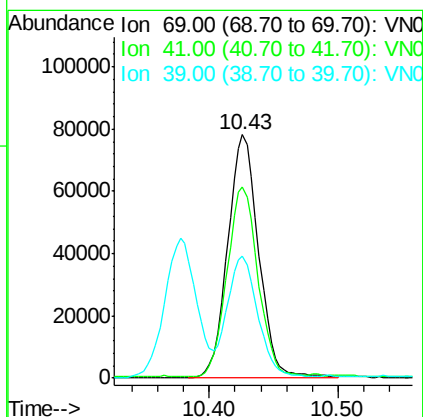
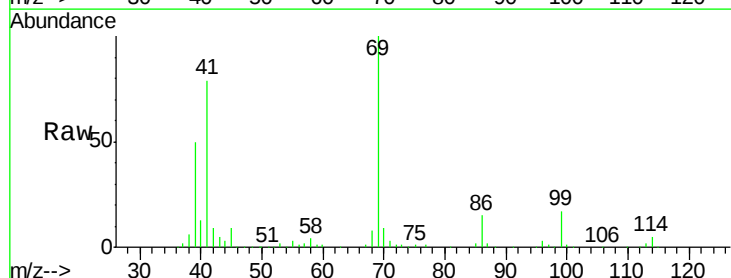
Manual Integrations
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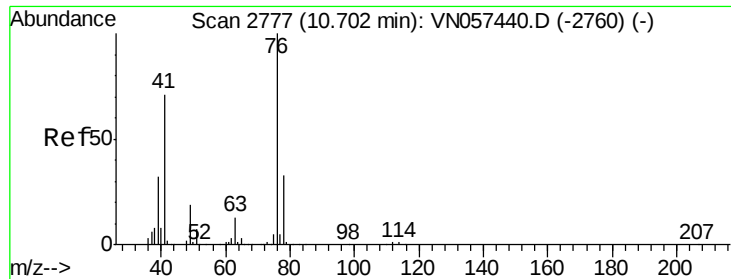
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 8/27/2019 5:30:41 PM



#56
 Ethyl methacrylate
 Concen: 18.107 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.4	60.8	91.2
39	48.2	36.5	54.7





#57

1,3-Dichloropropane

Concen: 19.335 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 76 Resp: 154041

Ion Ratio Lower Upper

76 100

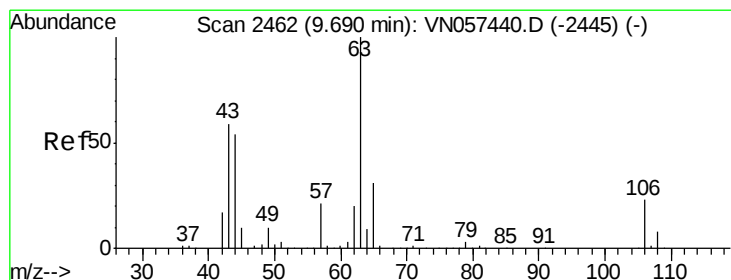
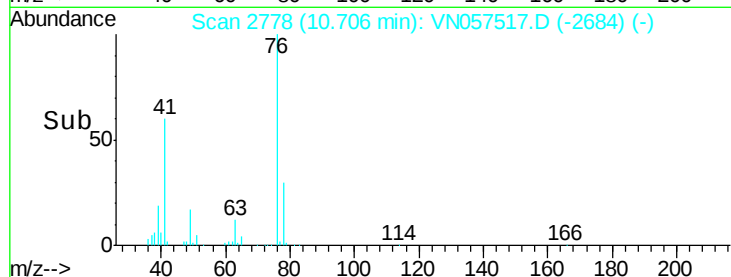
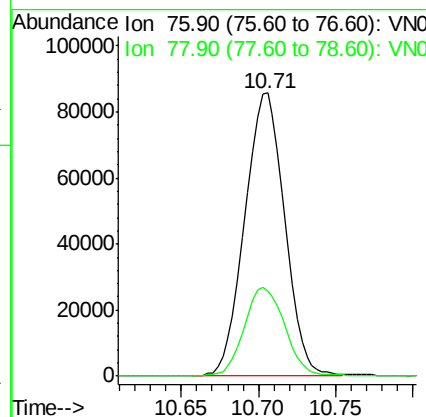
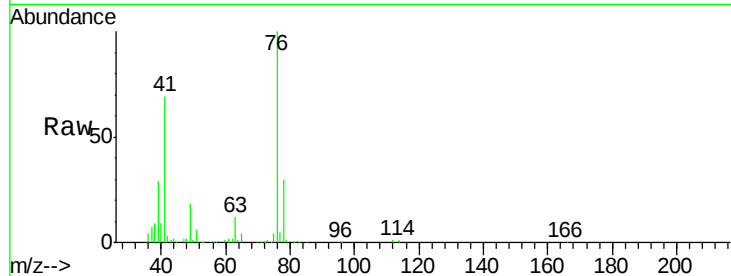
78 31.7 25.5 38.3

Manual Integrations

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8/27/2019 5:30:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 111.902 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057517.D

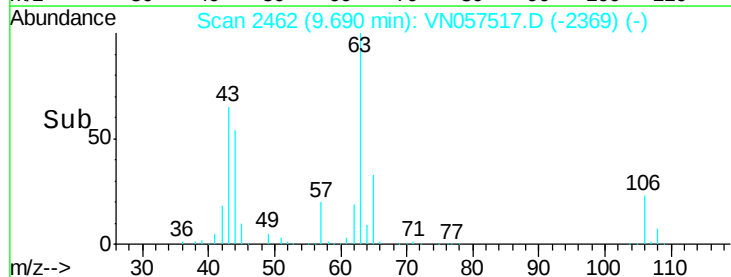
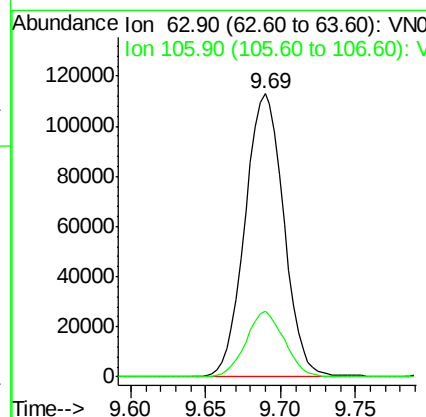
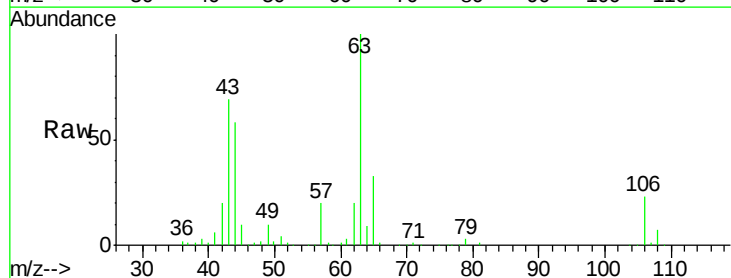
Acq: 26 Aug 2019 18:15

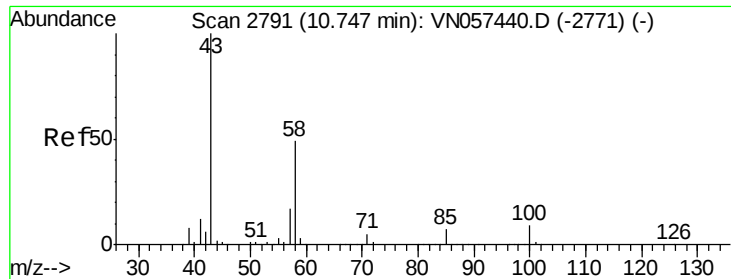
Tgt Ion: 63 Resp: 204135

Ion Ratio Lower Upper

63 100

106 22.9 18.6 27.8





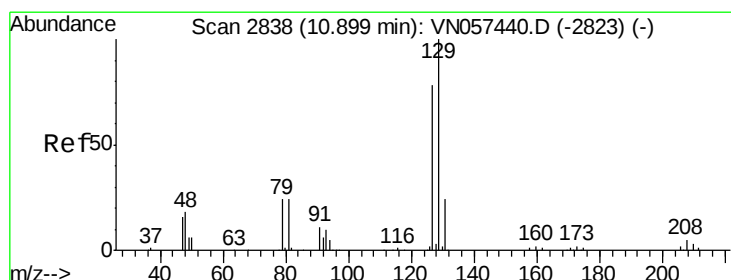
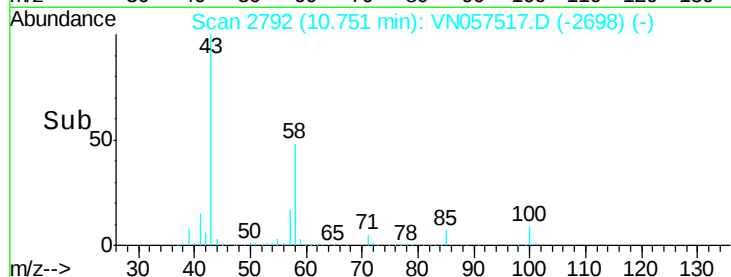
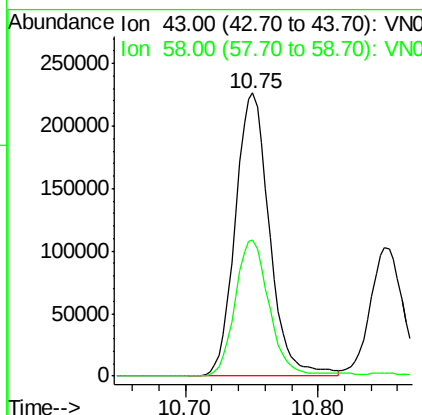
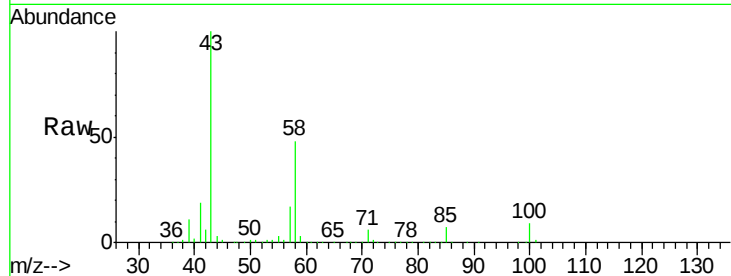
#59
2-Hexanone
Concen: 88.988 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion: 43 Resp: 403299
Ion Ratio Lower Upper
43 100
58 48.8 24.6 73.6

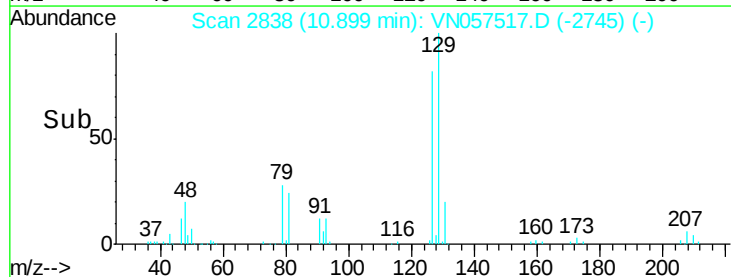
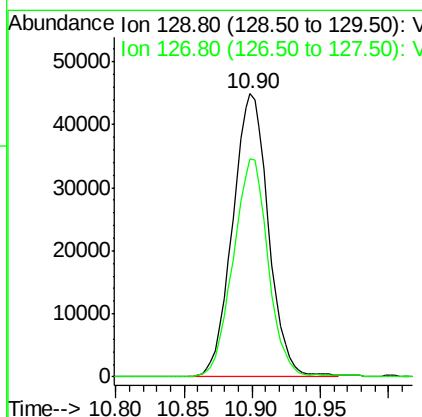
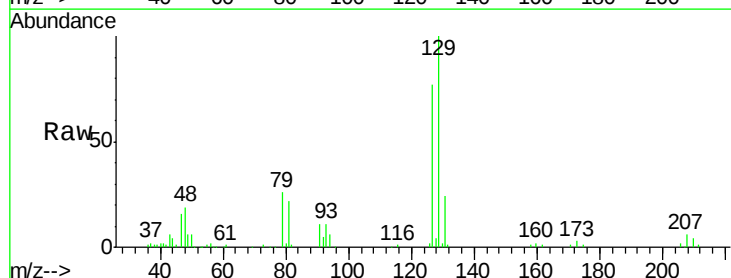
Manual Integrations
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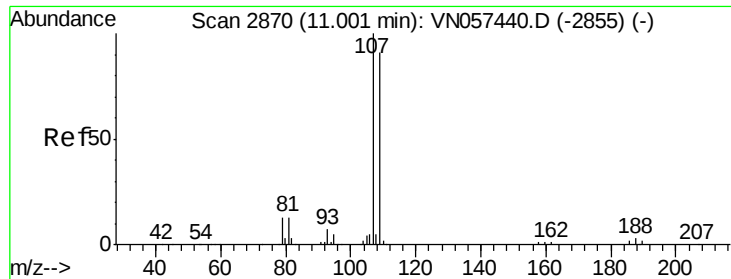
MMDadoda
8/27/2019 5:30:41 PM



#60
Dibromochloromethane
Concen: 16.893 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion: 129 Resp: 81722
Ion Ratio Lower Upper
129 100
127 74.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.143 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 107 Resp: 81457

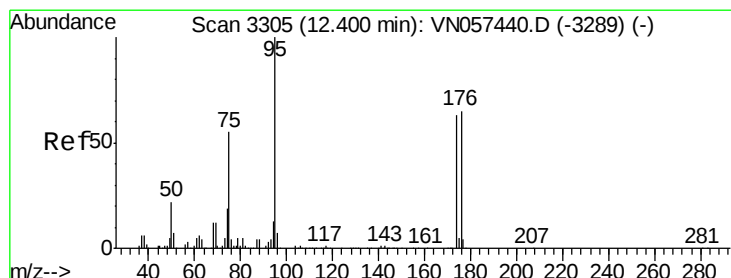
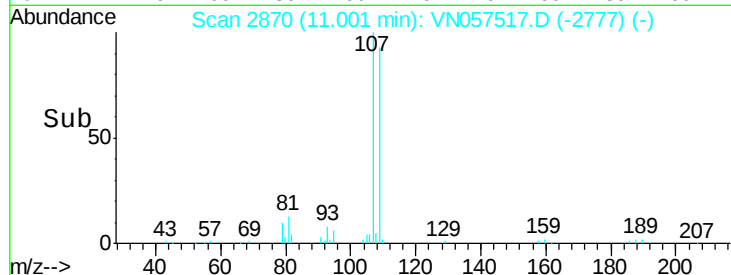
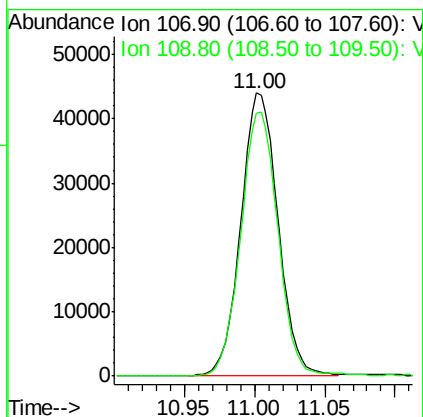
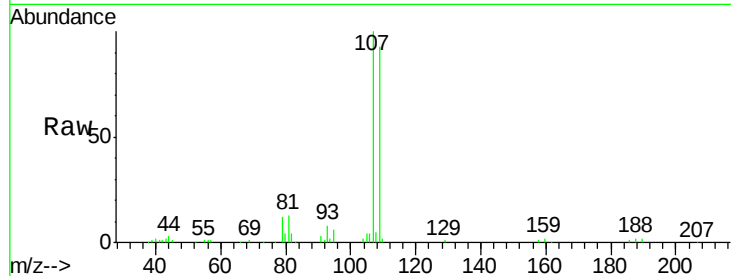
Ion Ratio Lower Upper

107 100

109 93.4 73.8 110.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.916 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

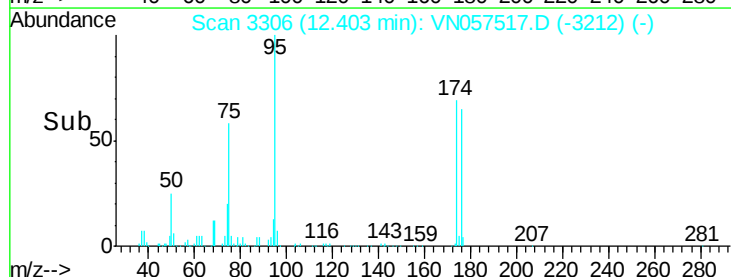
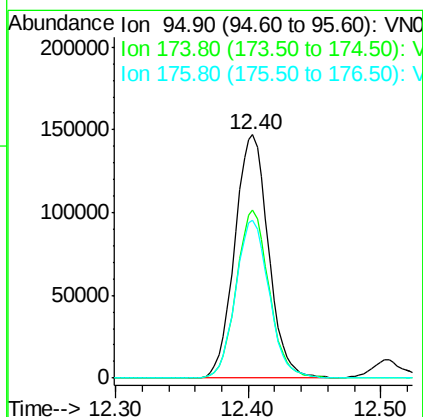
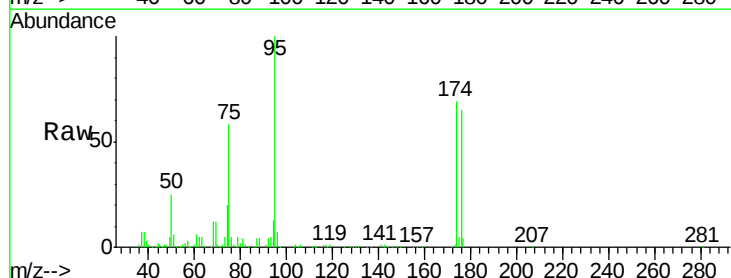
Tgt Ion: 95 Resp: 260048

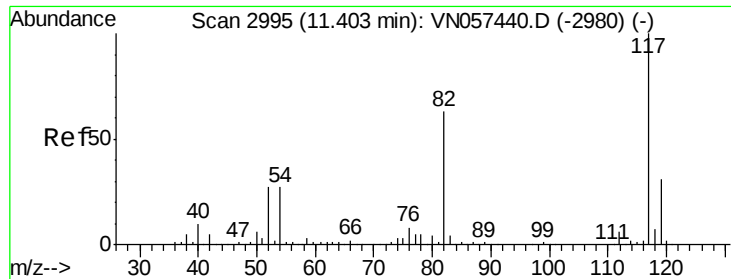
Ion Ratio Lower Upper

95 100

174 67.1 0.0 133.0

176 64.4 0.0 130.8





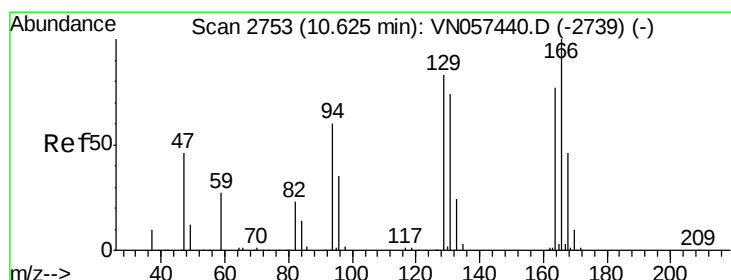
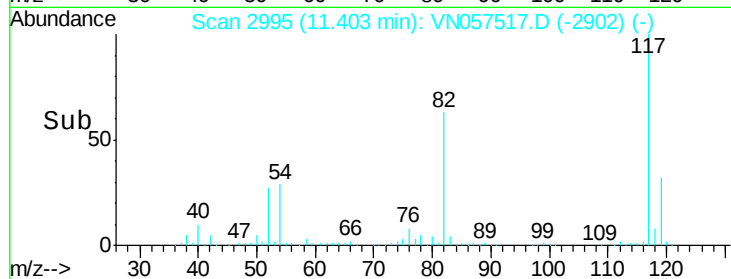
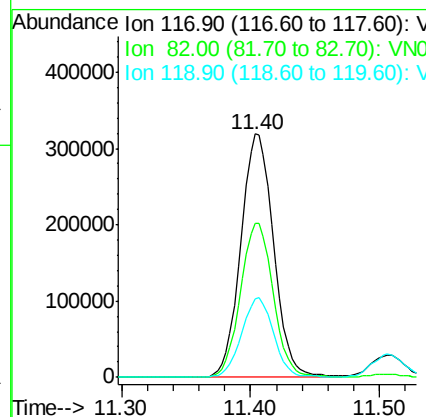
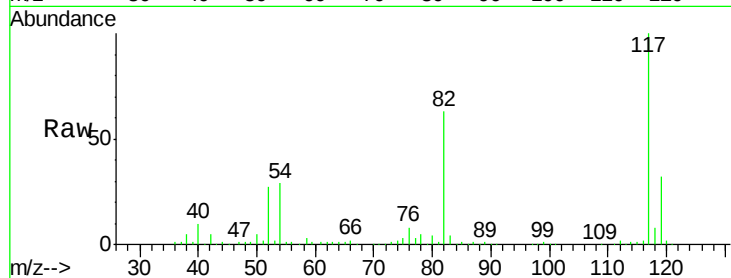
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	50.6	75.8
119	32.0	24.6	36.8

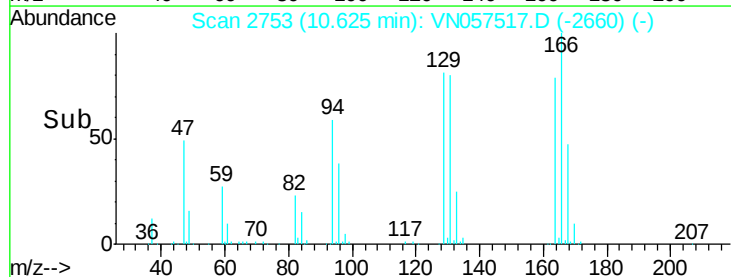
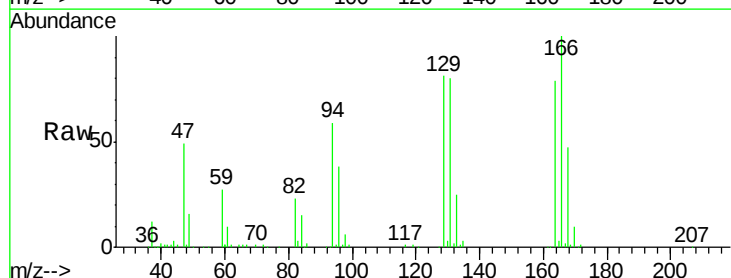
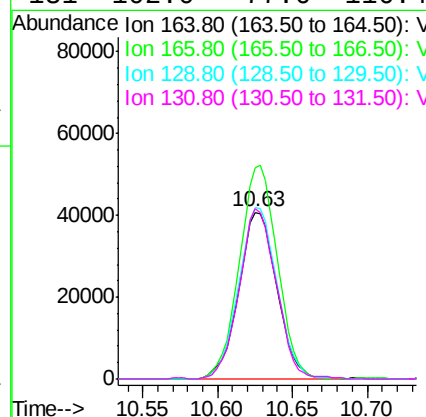
Manual Integrations
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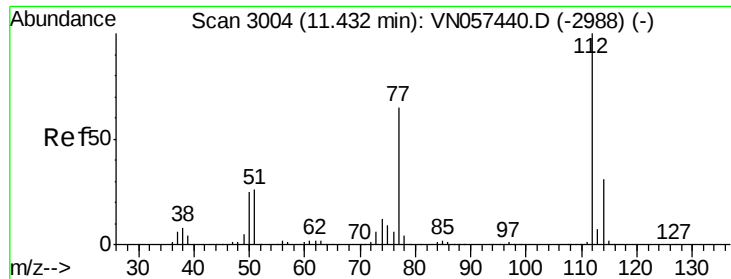
MMDadoda
8/27/2019 5:30:41 PM



#64
Tetrachloroethene
Concen: 18.307 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.4	156.6
129	102.6	86.6	130.0
131	102.0	77.6	116.4





#65

Chlorobenzene

Concen: 18.137 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS02

Tot Ion:112 Resp: 207306

Ion Ratio Lower Upper

112 100

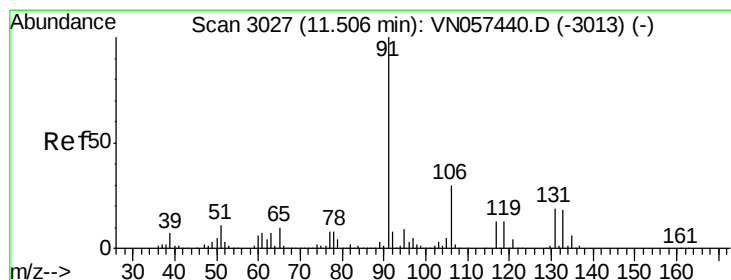
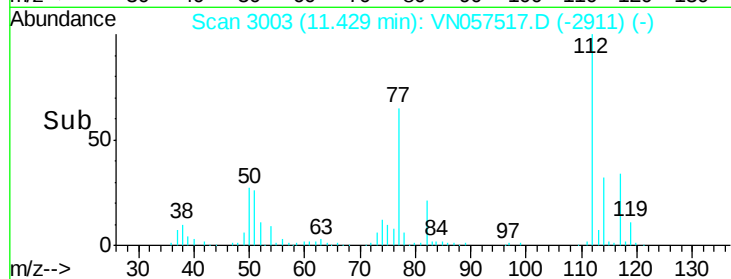
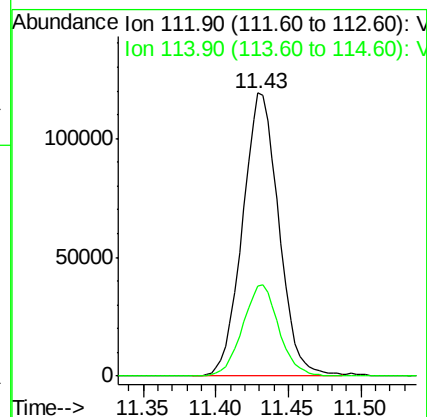
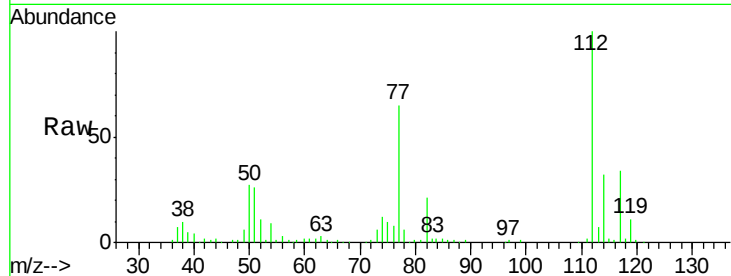
114 31.9 24.8 37.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.262 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

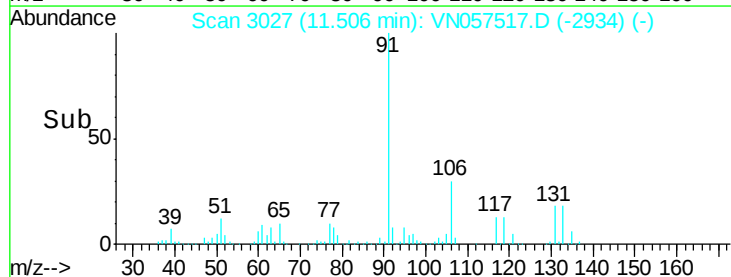
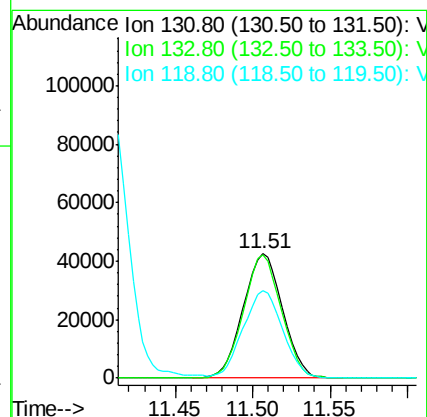
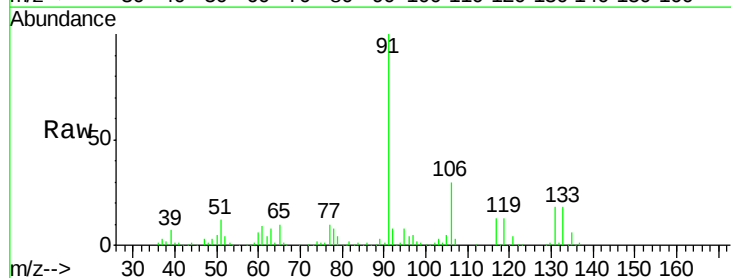
Tgt Ion:131 Resp: 75669

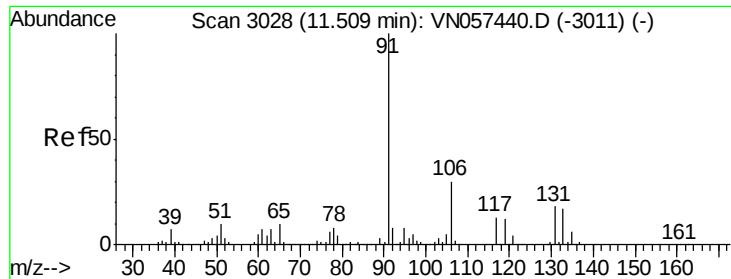
Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

119 70.5 34.4 103.2





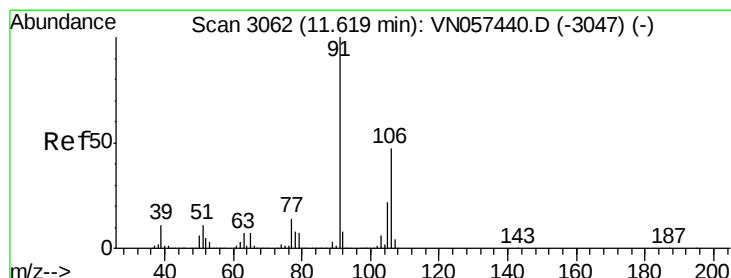
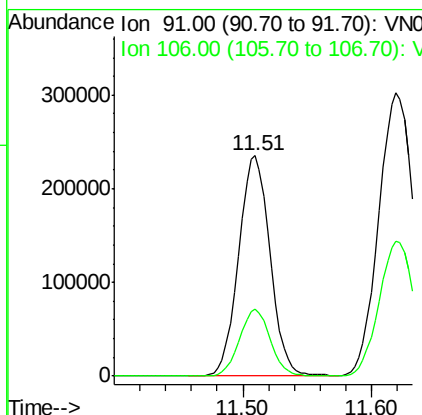
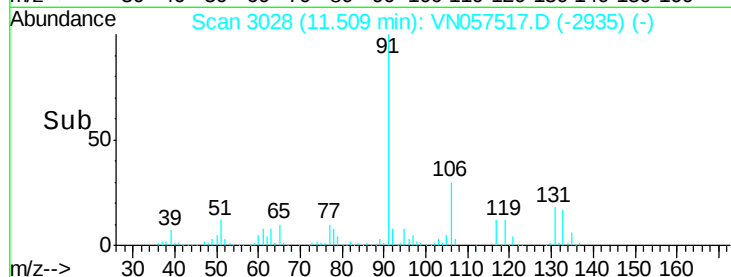
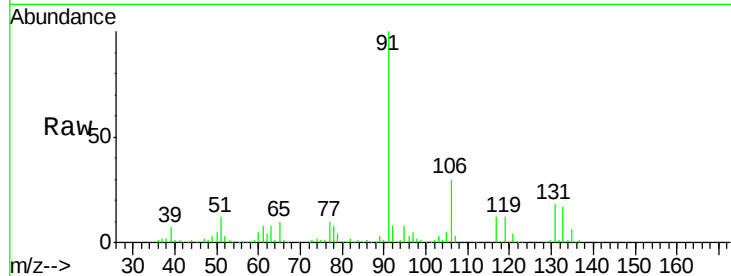
#67
Ethyl Benzene
Concen: 18.067 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion: 91 Resp: 399697
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

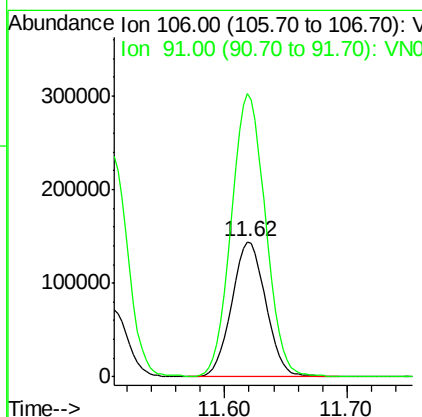
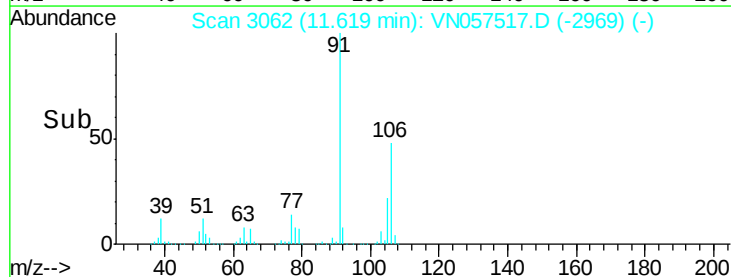
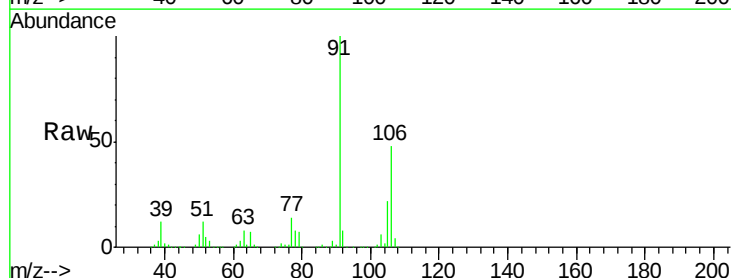
Manual Integrations
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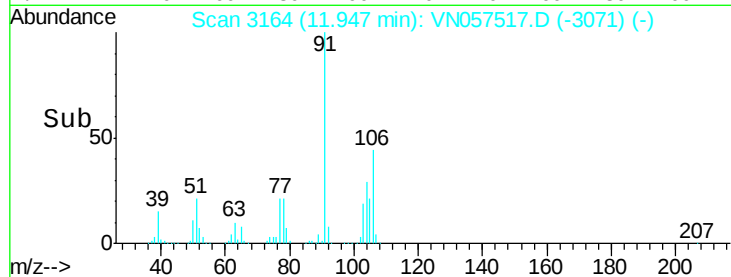
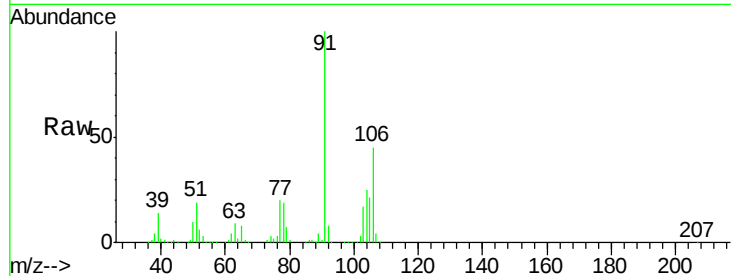
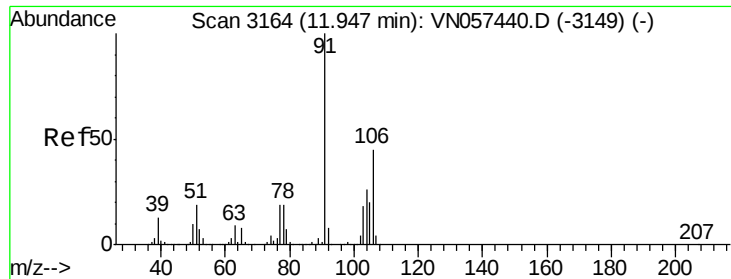
MMDadoda
8/27/2019 5:30:41 PM



#68
m/p-Xylenes
Concen: 36.943 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion: 106 Resp: 277948
Ion Ratio Lower Upper
106 100
91 210.3 171.8 257.6





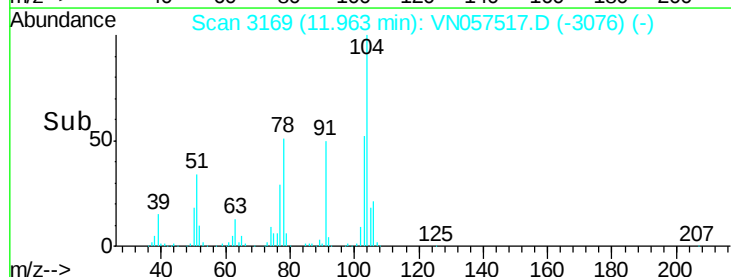
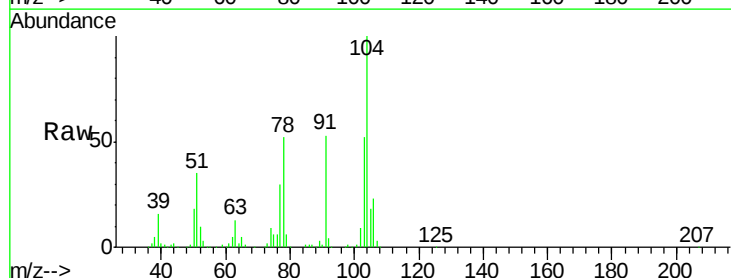
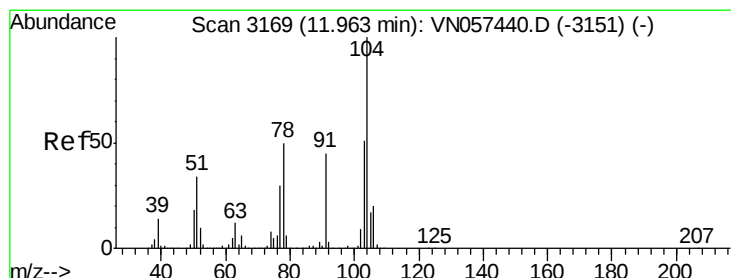
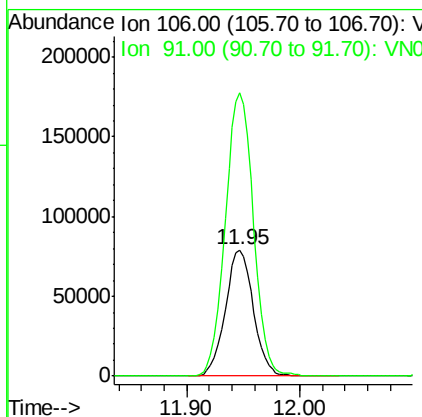
#69
o-Xylene
Concen: 18.267 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	136149		
91	225.8	112.3	336.9	

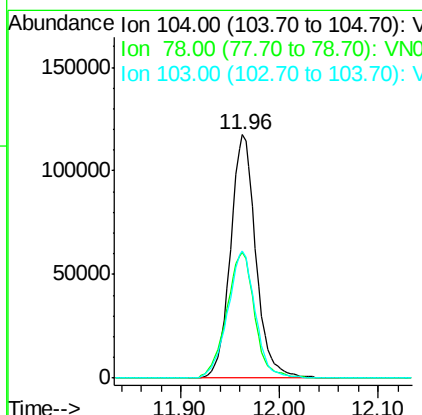
Manual Integrations
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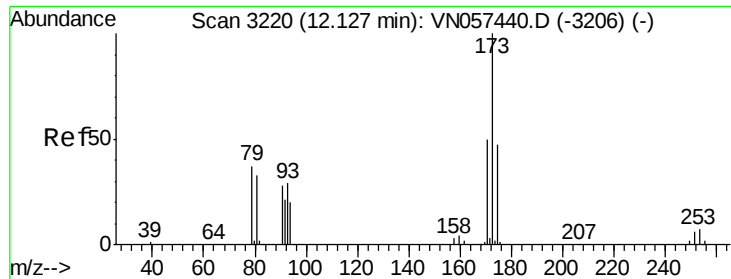
MMDadoda
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#70
Styrene
Concen: 17.904 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	211293		
78	57.1	44.7	67.1	
103	56.5	44.4	66.6	





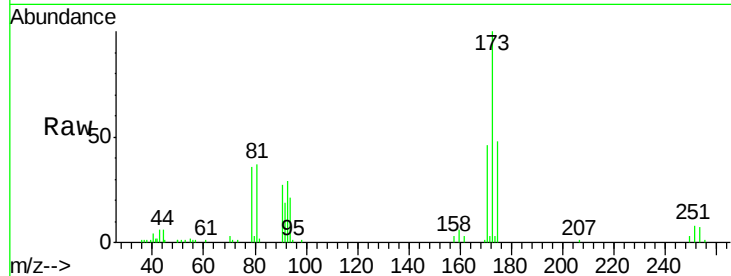
#71
Bromoform
Concen: 14.838 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

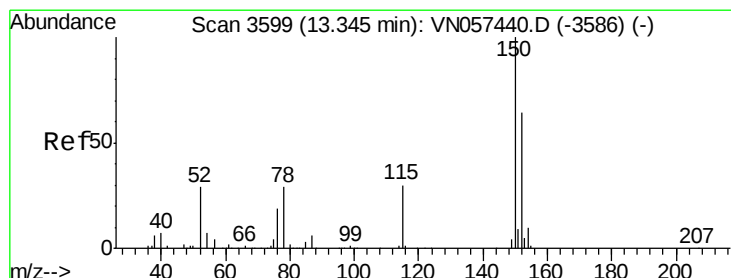
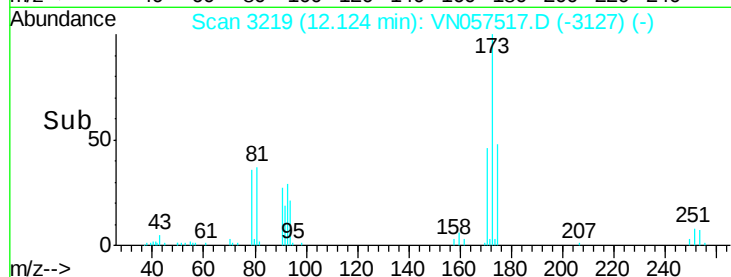
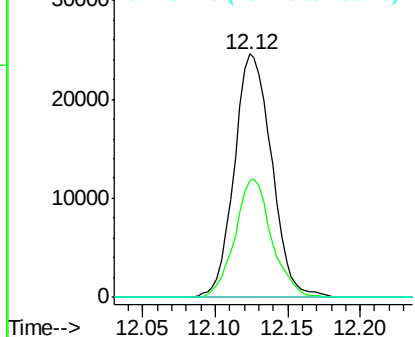
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		43967		
175	47.8	23.9	71.8		
254	0.0	0.1	0.1#		

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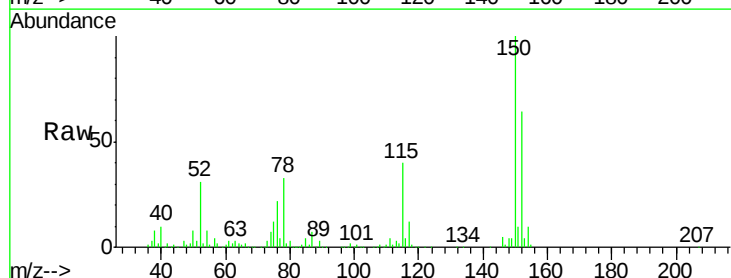


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

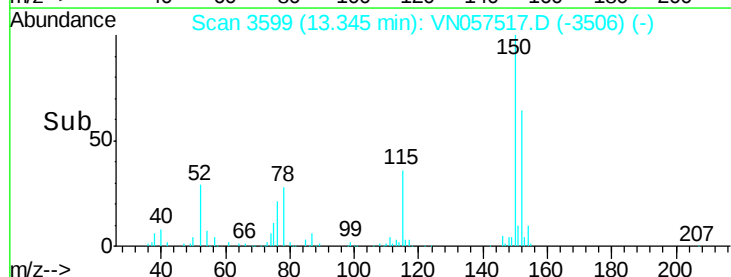
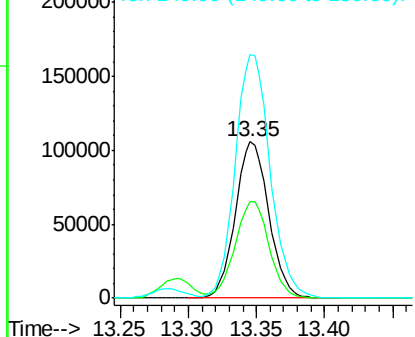


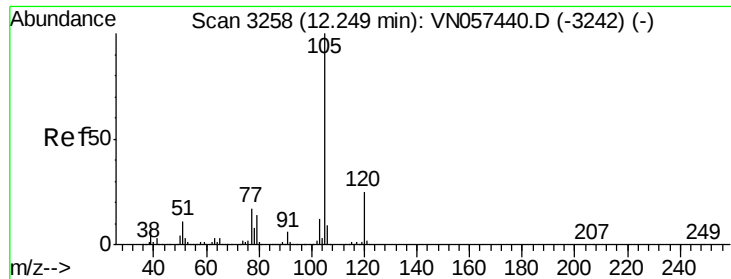
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		179677		
115	62.7	32.0	96.0		
150	163.4	0.0	346.6		



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





#73

Isopropylbenzene

Concen: 21.047 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 105 Resp: 372057

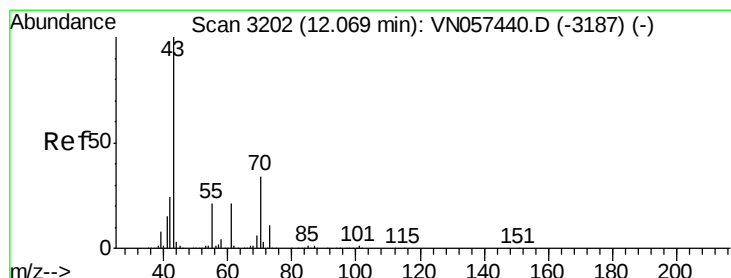
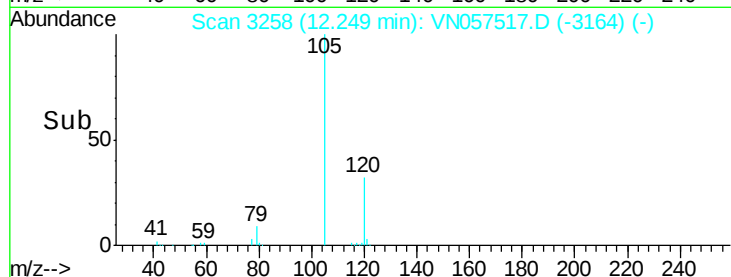
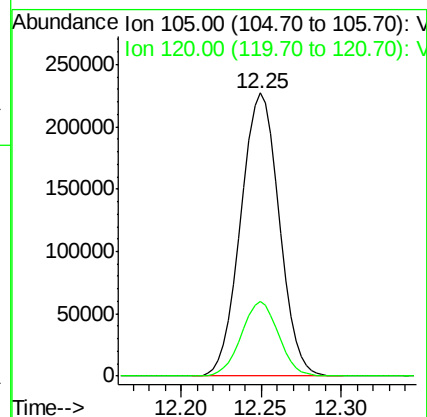
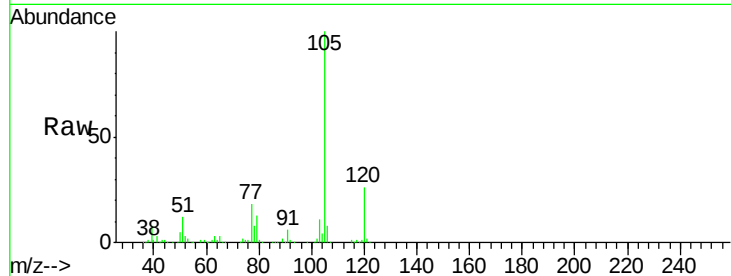
Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.116 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion: 43 Resp: 159213

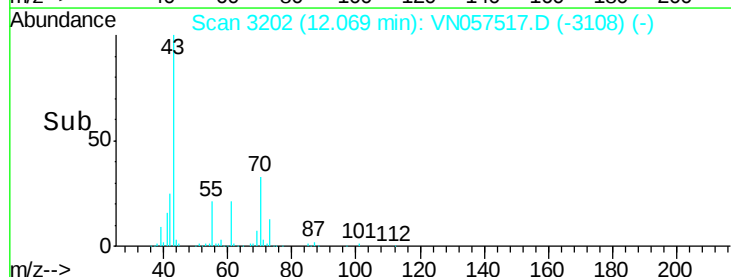
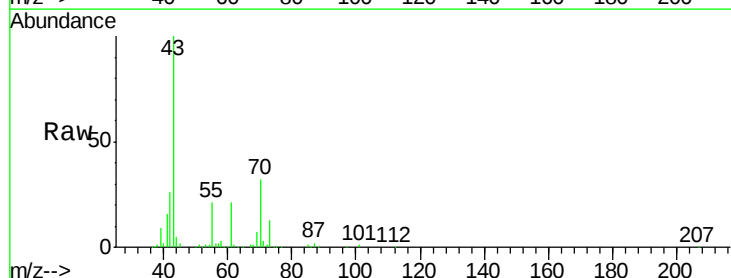
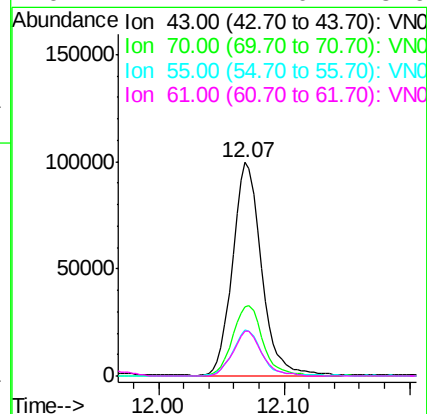
Ion Ratio Lower Upper

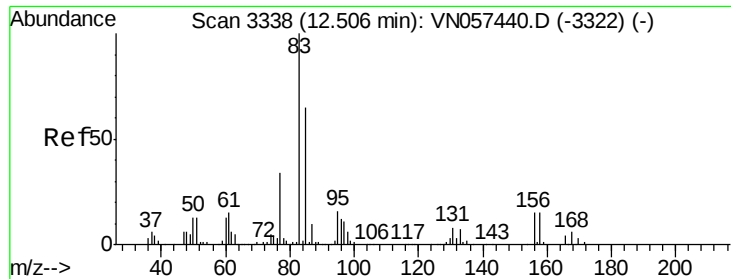
43 100

70 34.8 27.8 41.6

55 21.4 17.0 25.4

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.131 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 83 Resp: 107225
Ion Ratio Lower Upper

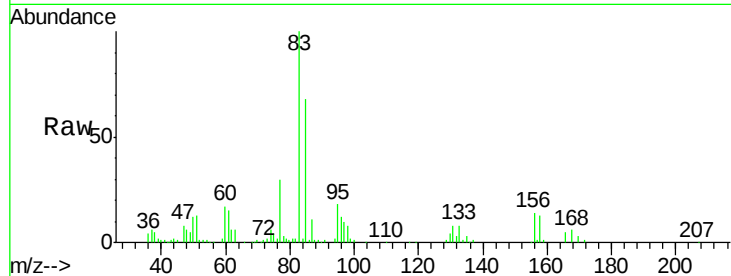
83 100

131 7.9 4.3 13.1

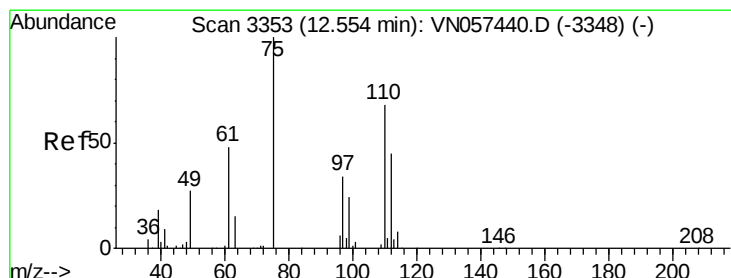
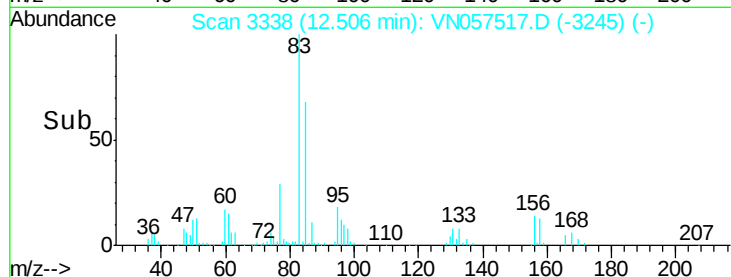
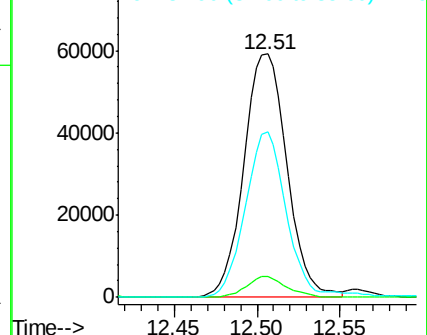
85 65.2 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 24.847 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

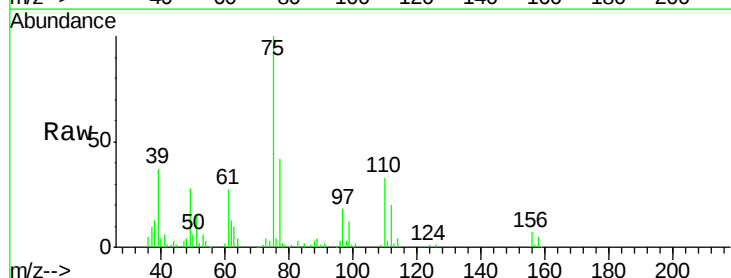
Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

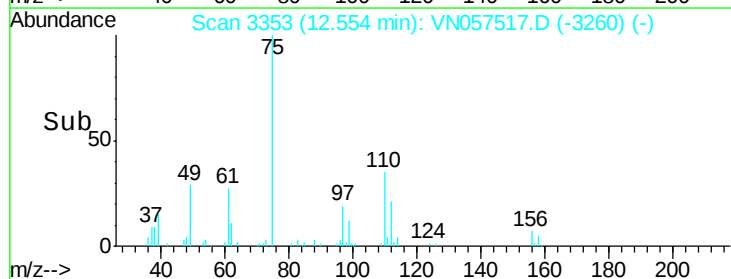
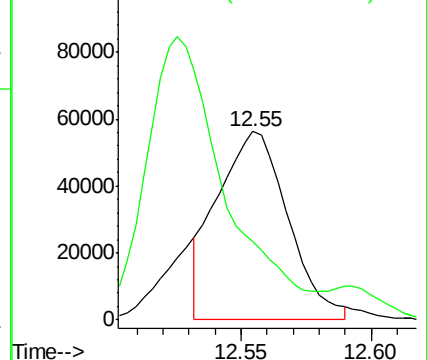
Tgt Ion: 75 Resp: 106293
Ion Ratio Lower Upper

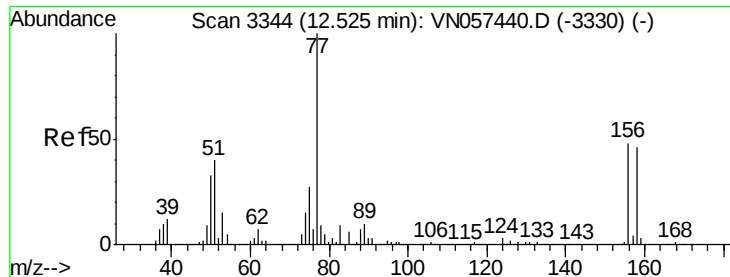
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 19.957 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

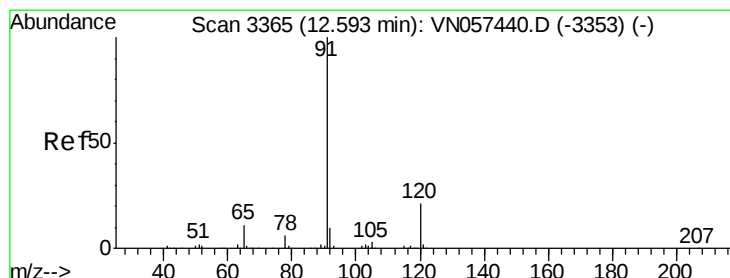
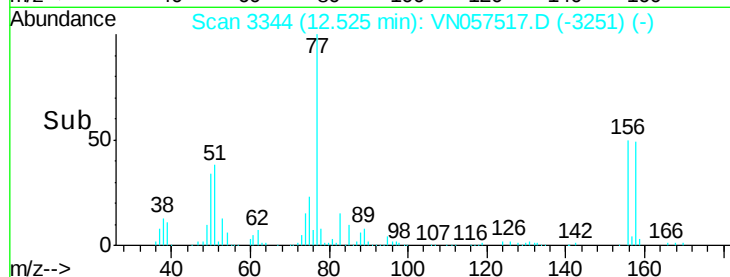
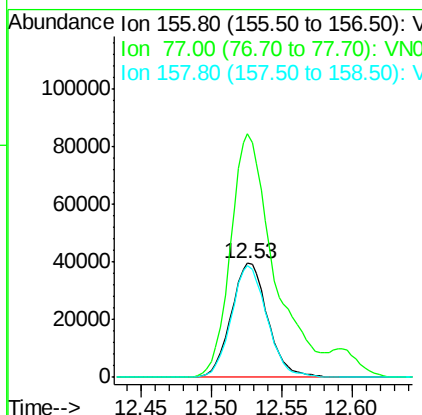
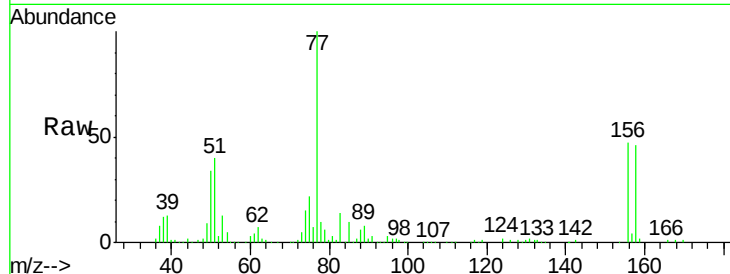
ClientSampleId :

VN0826WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	252.8	124.4	373.3
158	95.3	48.3	144.8

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#78

n-propylbenzene

Concen: 20.100 ug/l

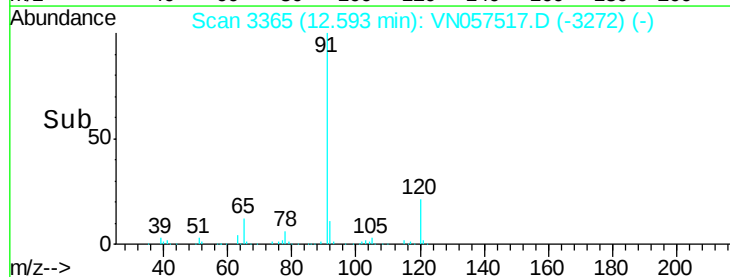
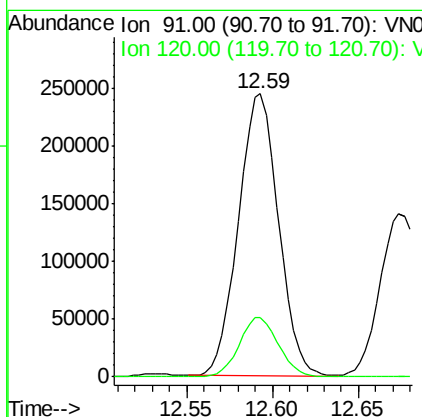
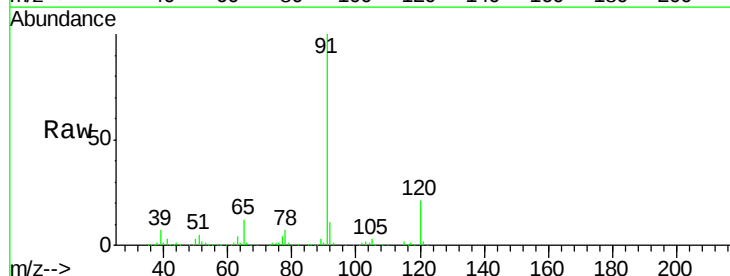
RT: 12.59 min Scan# 3365

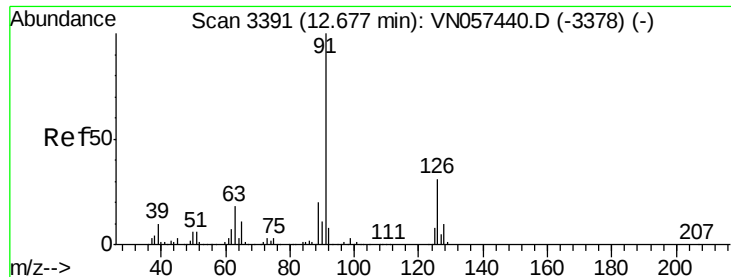
Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.7	32.1





#79

2-Chlorotoluene

Concen: 20.542 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 91 Resp: 240357

Ion Ratio Lower Upper

91 100

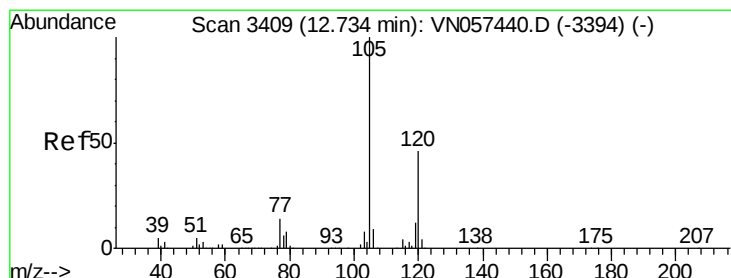
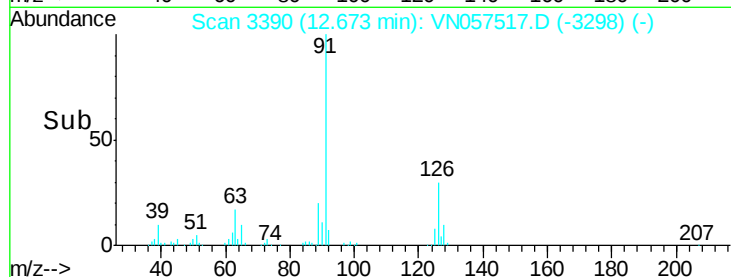
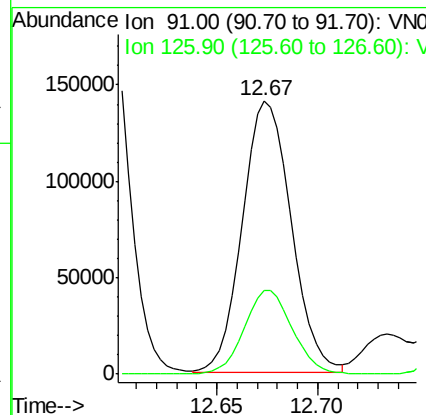
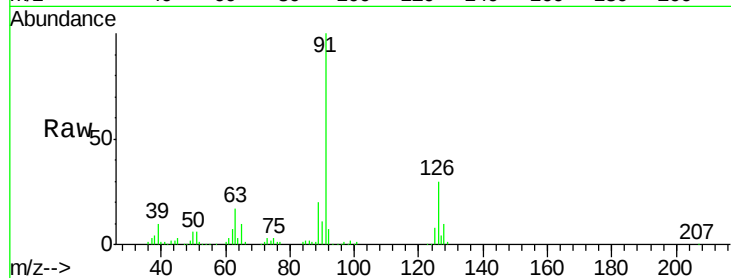
126 30.3 15.3 45.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.608 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057517.D

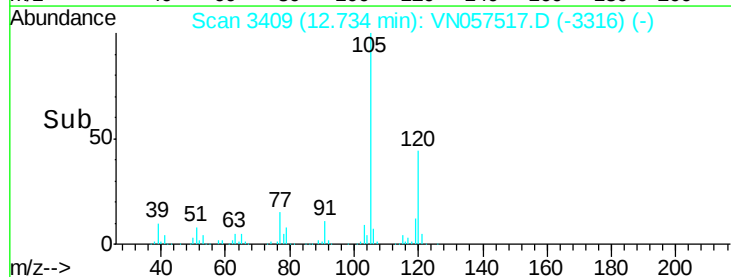
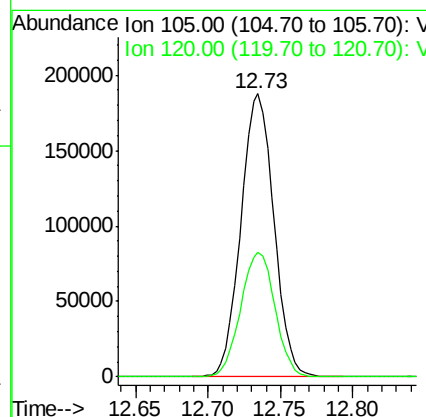
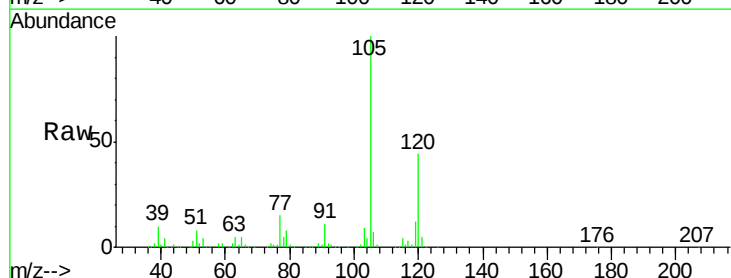
Acq: 26 Aug 2019 18:15

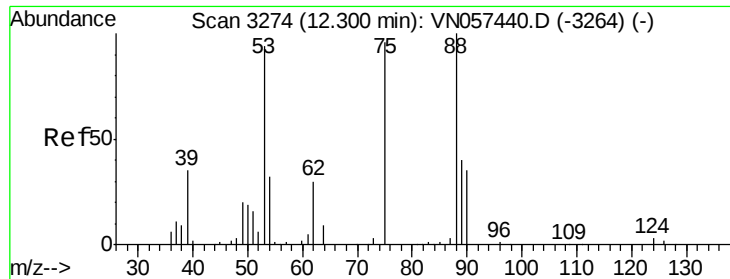
Tgt Ion: 105 Resp: 296380

Ion Ratio Lower Upper

105 100

120 45.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.614 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion: 75 Resp: 28665

Ion Ratio Lower Upper

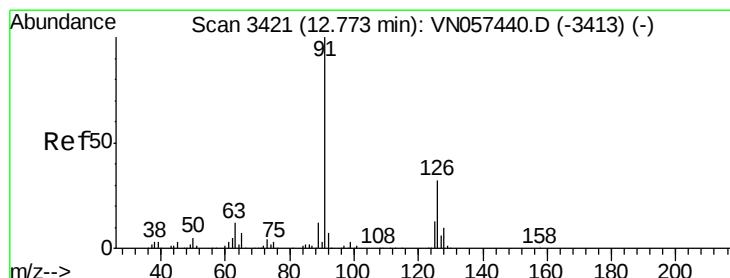
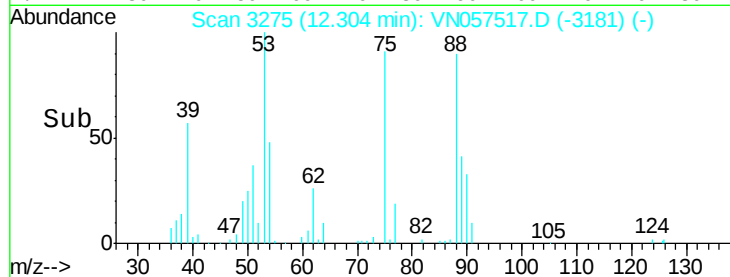
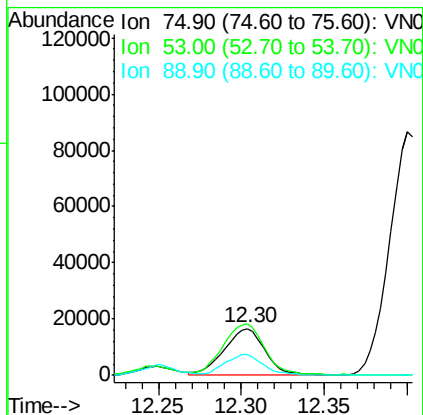
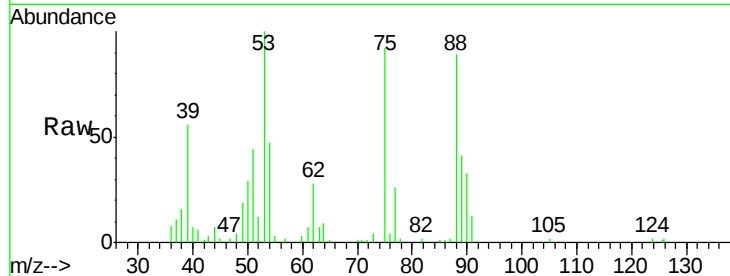
75 100

53 113.3 82.7 124.1

89 42.7 35.8 53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.382 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057517.D

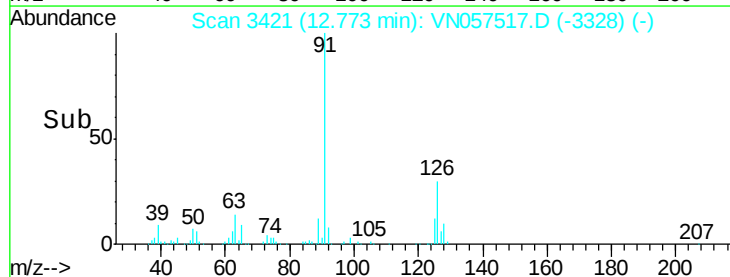
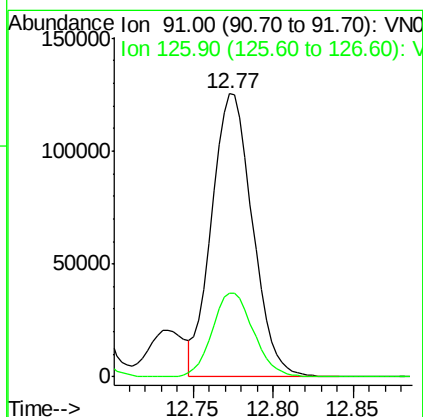
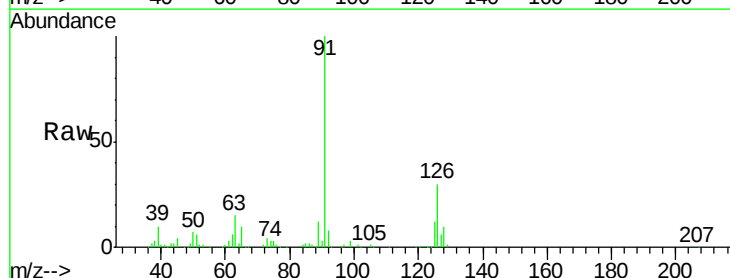
Acq: 26 Aug 2019 18:15

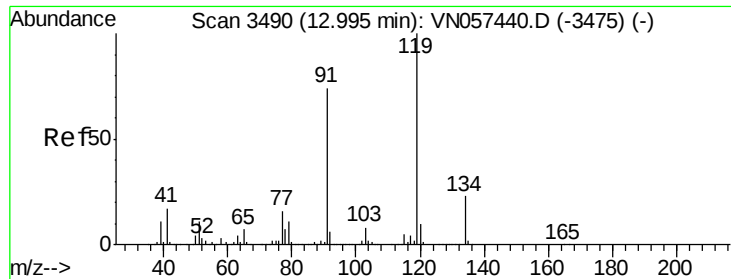
Tgt Ion: 91 Resp: 219908

Ion Ratio Lower Upper

91 100

126 30.0 15.0 45.0





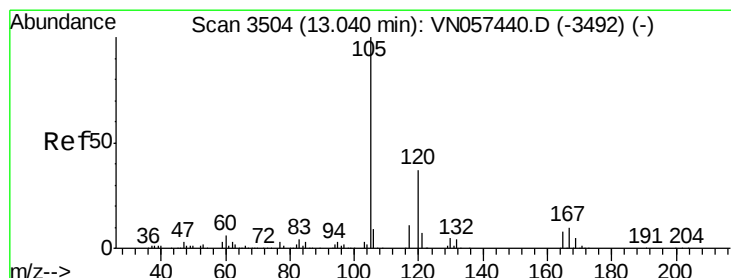
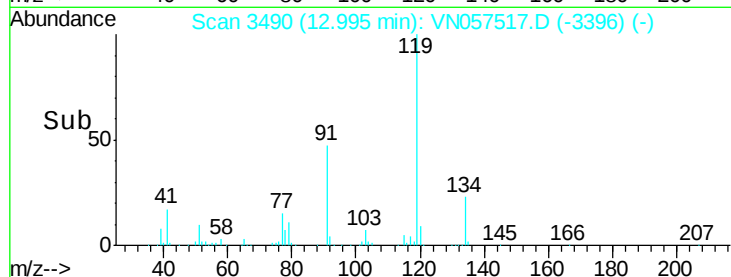
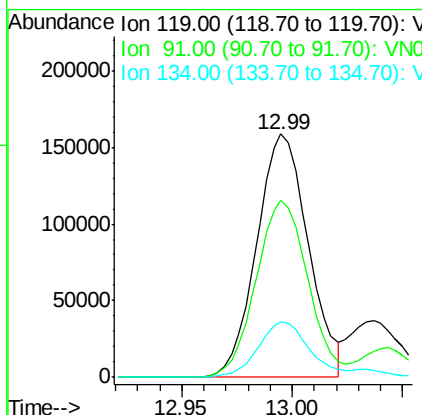
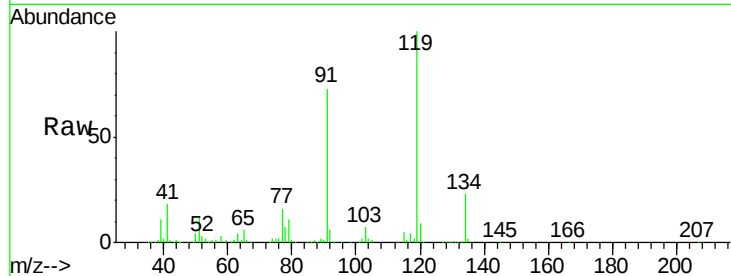
#83
 tert-Butylbenzene
 Concen: 21.091 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256893		
91	72.9		37.0	111.0
134	22.6		12.2	36.6

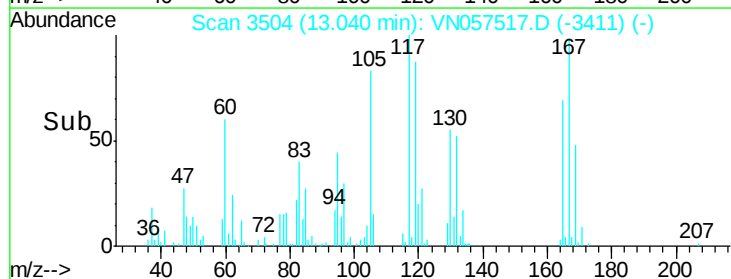
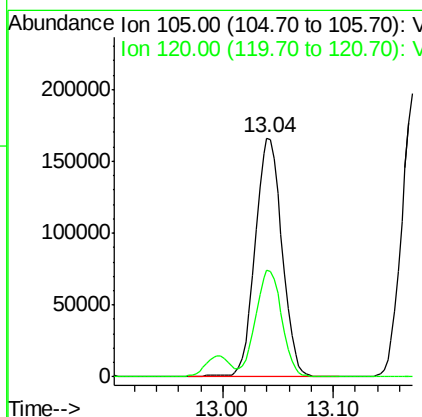
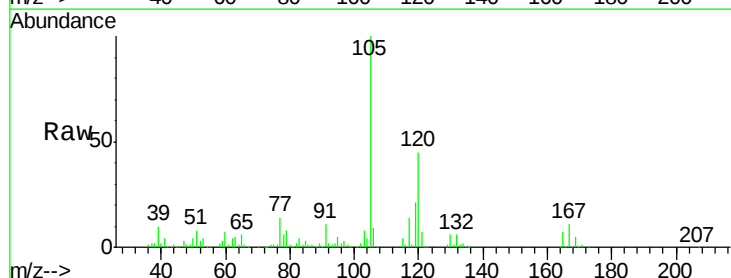
Manual Integrations
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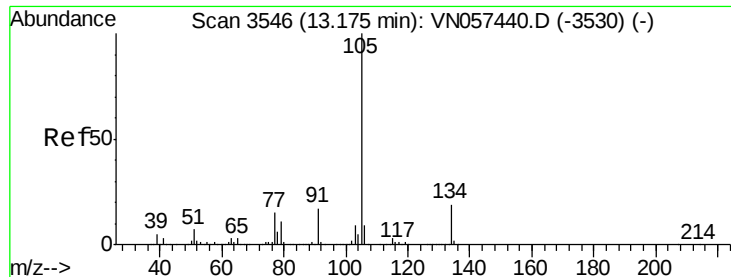
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.055 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280146		
120	43.4		21.9	65.7





#85

sec-Butylbenzene

Concen: 20.521 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS02

Tot Ion:105 Resp: 327805

Ion Ratio Lower Upper

105 100

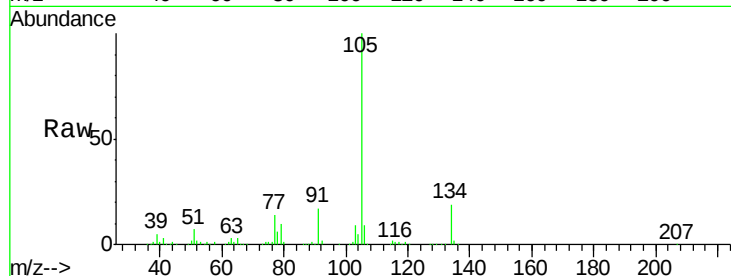
134 18.8 9.3 27.9

Manual Integrations

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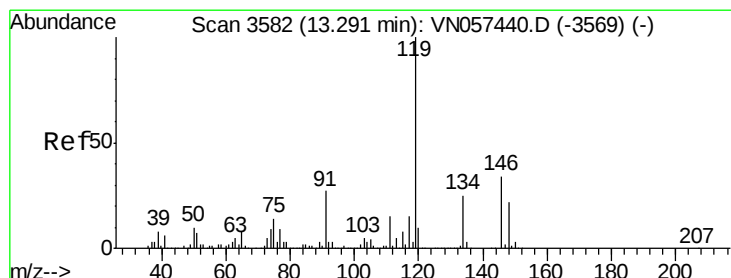
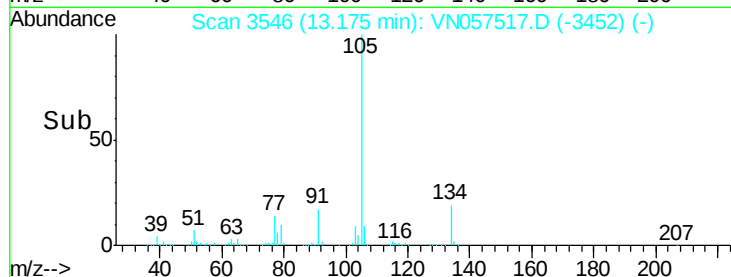
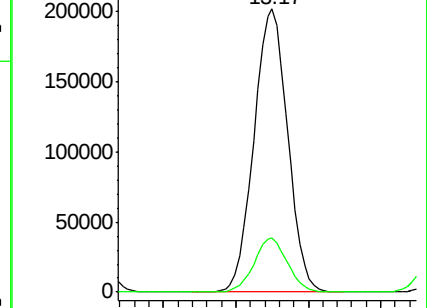
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.625 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

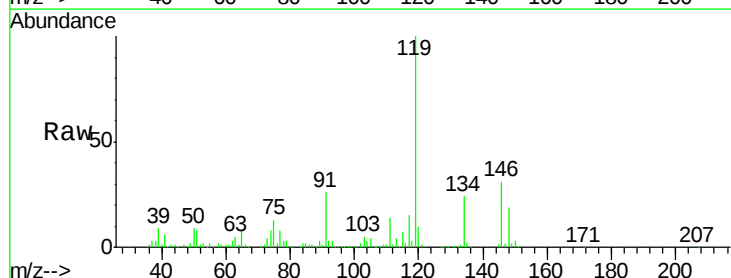
Tgt Ion:119 Resp: 275626

Ion Ratio Lower Upper

119 100

134 24.9 12.7 38.1

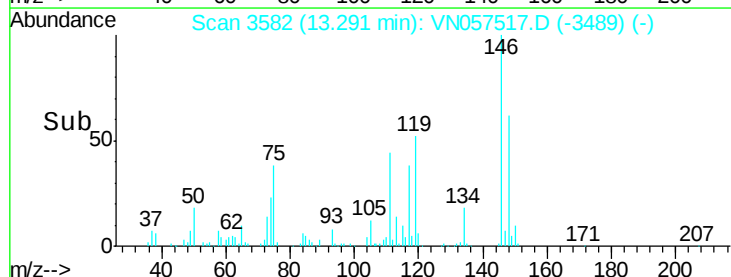
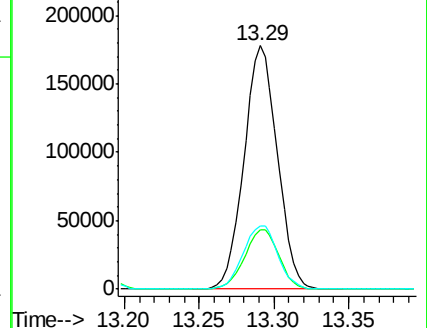
91 27.2 13.9 41.6

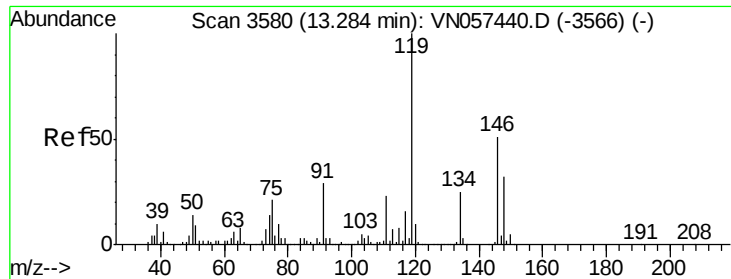


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.421 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

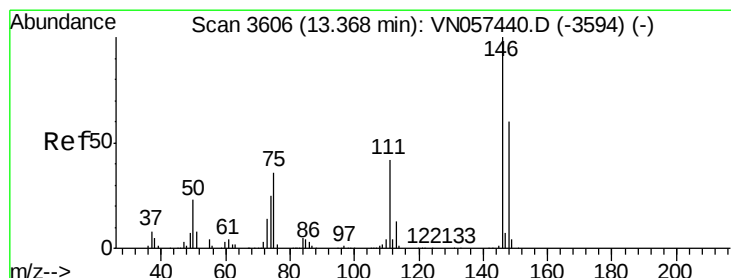
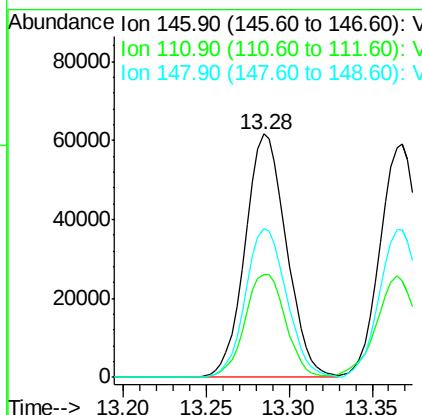
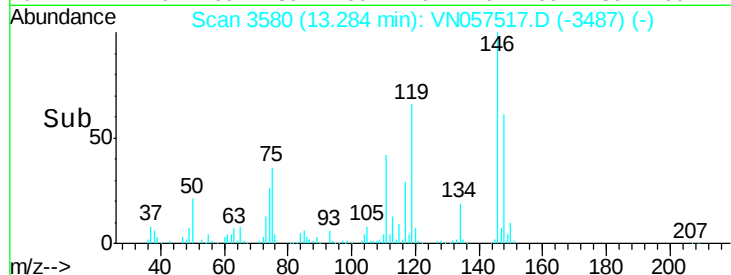
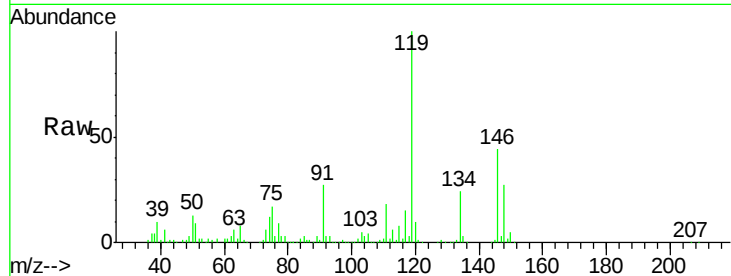
ClientSampleId :

VN0826WBS02

Tot Ion:	146	Resp:	106908
Ion Ratio	Lower	Upper	
146	100		
111	41.6	22.1	66.1
148	60.8	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 17.566 ug/l

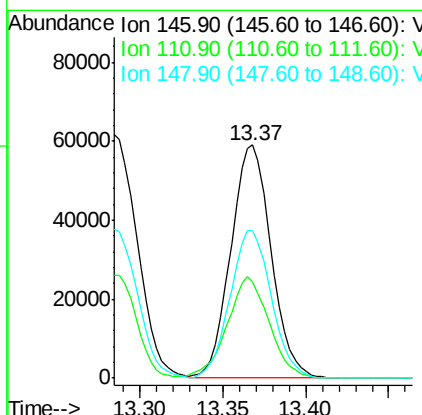
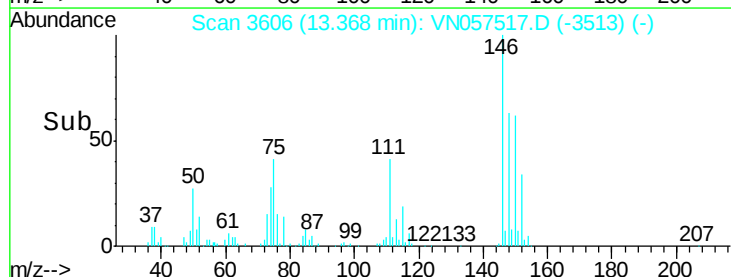
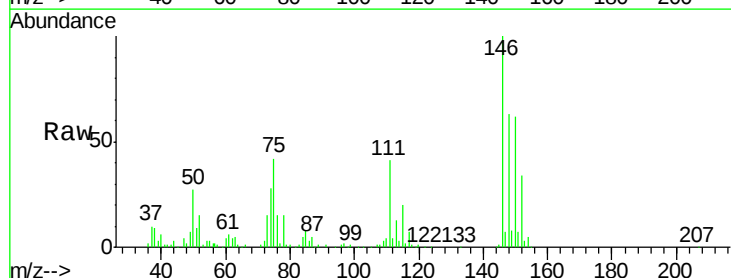
RT: 13.37 min Scan# 3606

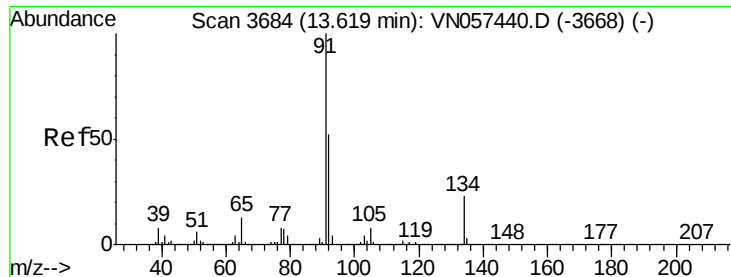
Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion:	146	Resp:	99838
Ion Ratio	Lower	Upper	
146	100		
111	45.3	21.9	65.5
148	64.7	31.1	93.2





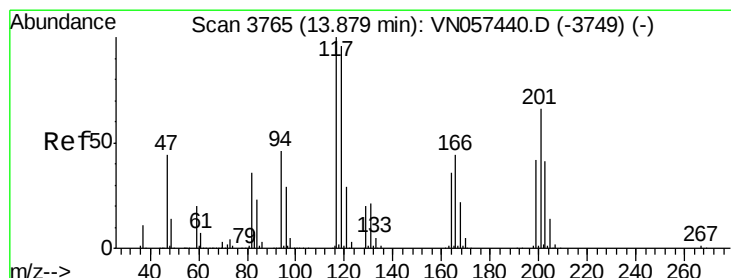
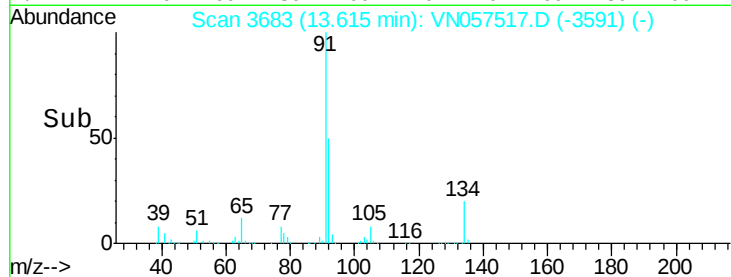
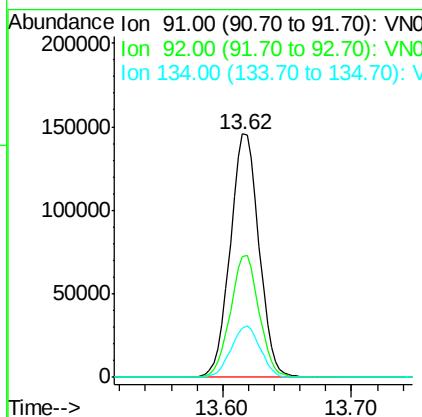
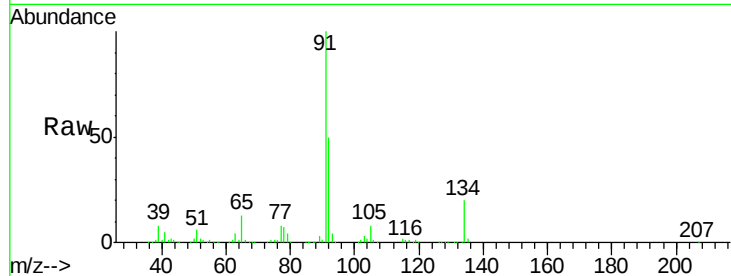
#89
n-Butylbenzene
Concen: 18.995 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.7	77.0
134	21.4	11.4	34.1

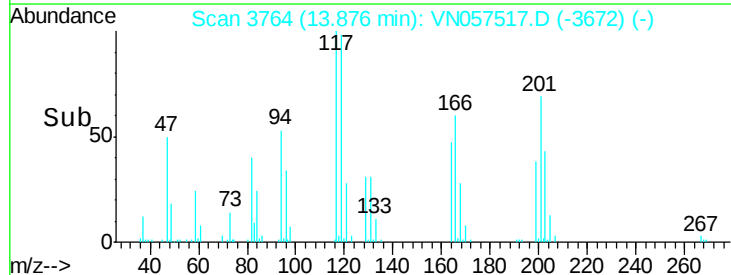
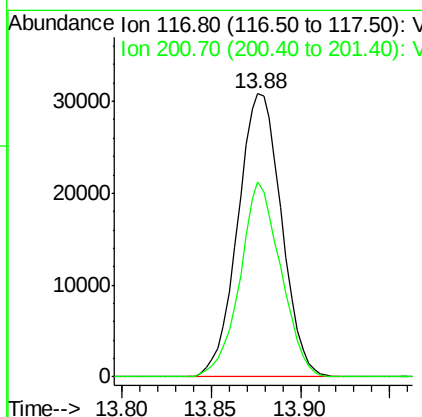
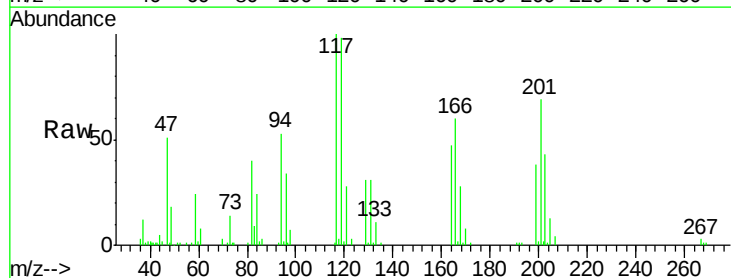
Manual Integrations
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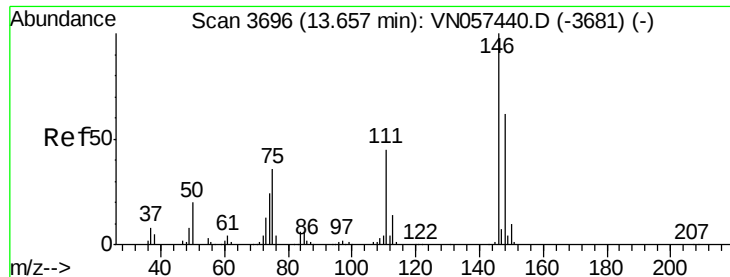
MMDadoda
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#90
Hexachloroethane
Concen: 17.791 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057517.D
Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	33.1	99.3





#91

1,2-Dichlorobenzene

Concen: 18.800 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

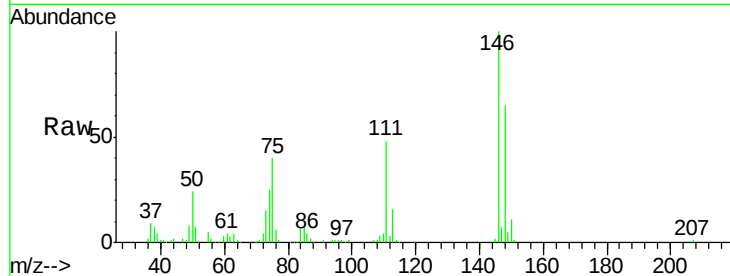
ClientSampleId :

VN0826WBS02

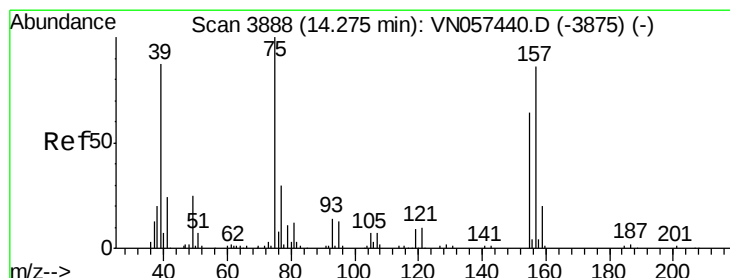
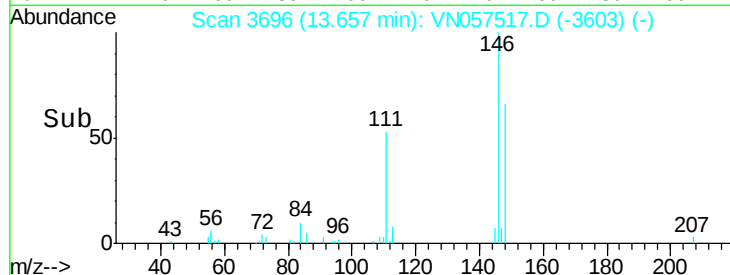
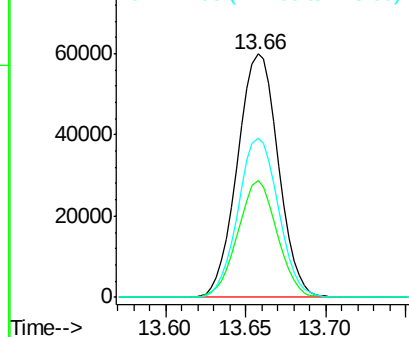
Tot Ion:	146	Resp:	104157
Ion Ratio	Lower	Upper	
146	100		
111	46.2	23.1	69.2
148	64.6	31.8	95.4

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.980 ug/l

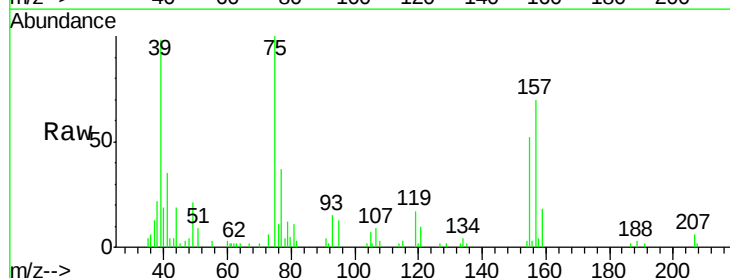
RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

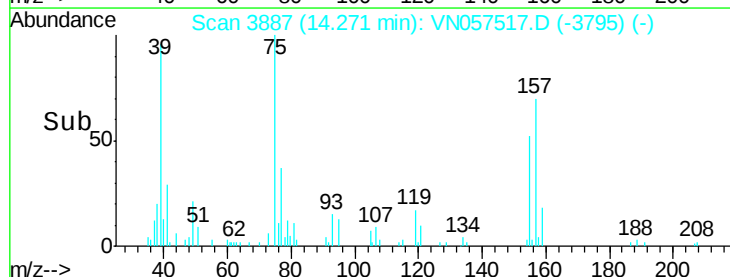
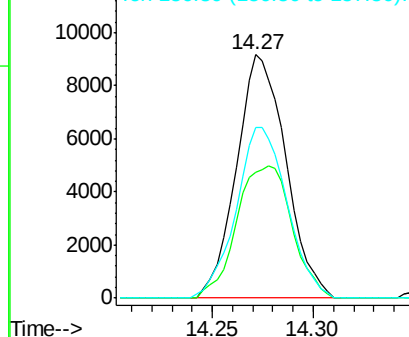
Lab File: VN057517.D

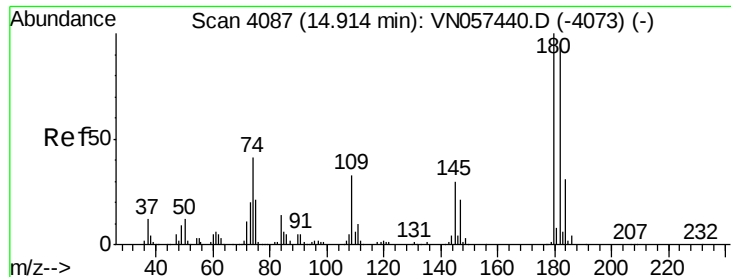
Acq: 26 Aug 2019 18:15

Tgt Ion:	75	Resp:	15712
Ion Ratio	Lower	Upper	
75	100		
155	60.8	31.6	94.7
157	72.6	43.3	129.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





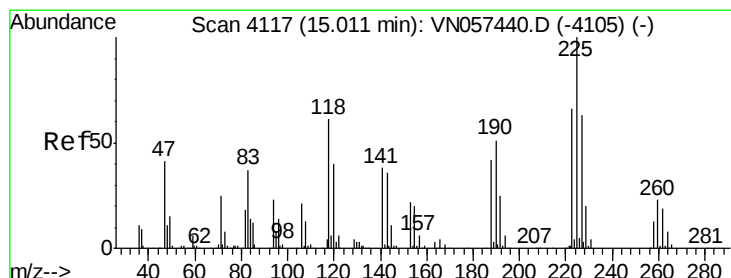
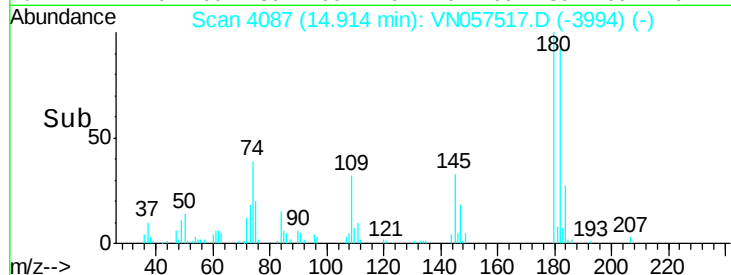
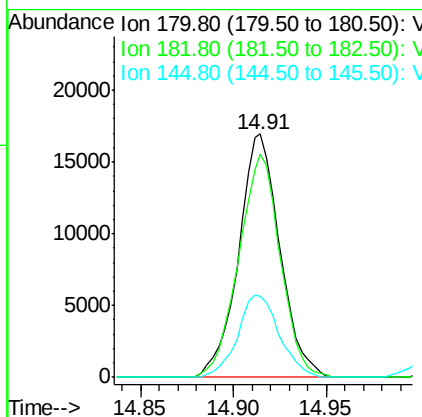
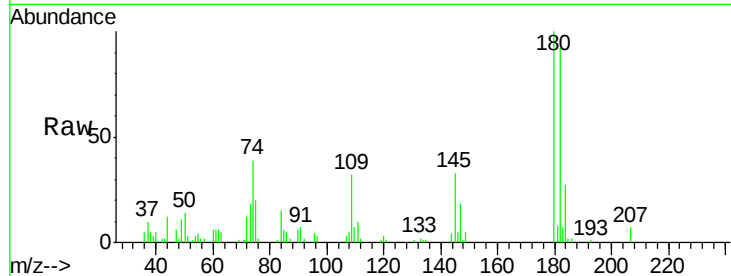
#93
 1,2,4-Trichlorobenzene
 Concen: 15.787 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.7	140.1
145	34.1	15.6	46.8

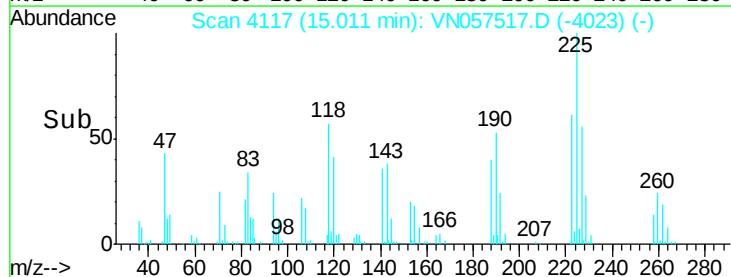
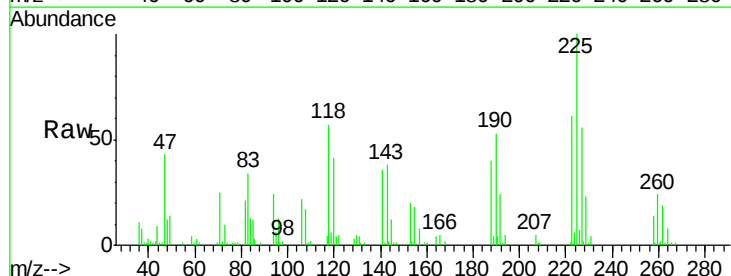
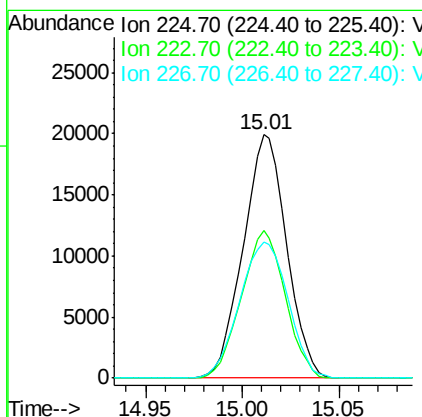
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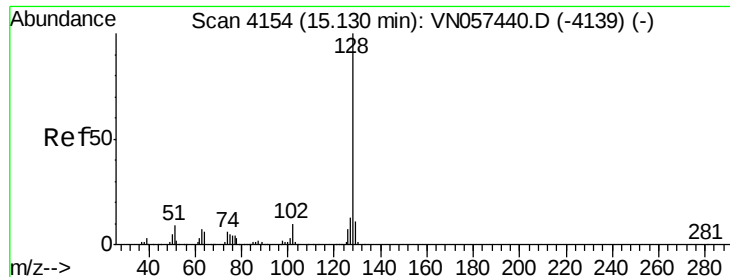
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#94
 Hexachlorobutadiene
 Concen: 20.102 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057517.D
 Acq: 26 Aug 2019 18:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.0	96.2
227	62.2	31.5	94.5





#95

Naphthalene

Concen: 15.756 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Instrument :

MSVOA_N

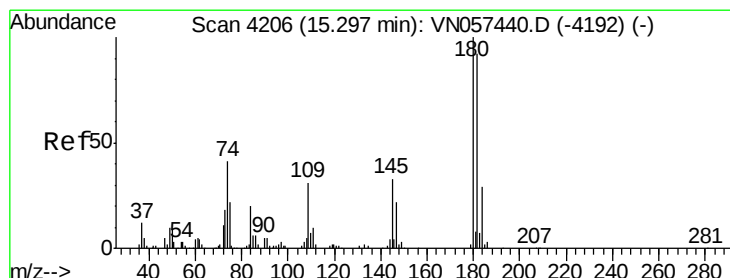
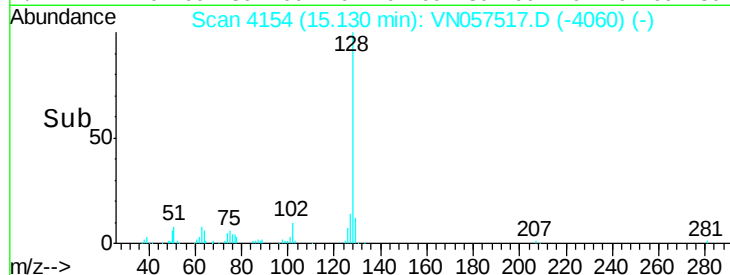
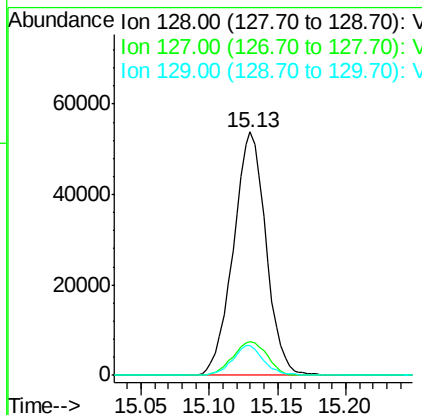
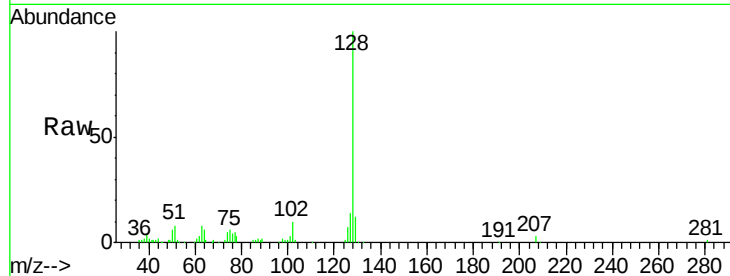
ClientSampleId :

VN0826WBS02

Tot Ion:	128	Resp:	89360
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.5	15.7
129	11.6	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 16.247 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057517.D

Acq: 26 Aug 2019 18:15

Tgt Ion:	180	Resp:	27776
Ion Ratio	Lower	Upper	
180	100		
182	89.7	46.7	140.1
145	30.8	16.8	50.3

