

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058017.D
 Acq On : 13 Sep 2019 14:36
 Operator : JC/SP
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:50:01 PM

Quant Time: Sep 14 03:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	321893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	531432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282280	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	344127	52.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.56%	
35) Dibromofluoromethane	7.58	113	248627	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.09	98	971856	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	336562	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	86946	19.531	ug/l	97
3) Chloromethane	2.04	50	75603	16.663	ug/l	100
4) Vinyl Chloride	2.17	62	80795	16.825	ug/l	100
5) Bromomethane	2.55	94	44662	15.887	ug/l	96
6) Chloroethane	2.69	64	53790	17.579	ug/l	94
7) Trichlorofluoromethane	3.00	101	109296	18.086	ug/l	96
8) Diethyl Ether	3.39	74	49620	19.687	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75600	19.831	ug/l	99
10) Methyl Iodide	3.93	142	68666	16.186	ug/l	99
11) Tert butyl alcohol	4.76	59	67341	85.340	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	63207	18.441	ug/l	100
13) Acrolein	3.61	56	5773m	8.623	ug/l	
14) Allyl chloride	4.30	41	123727	18.445	ug/l	97
15) Acrylonitrile	4.96	53	217260	100.171	ug/l	99
16) Acetone	3.80	43	183308	85.767	ug/l	100
17) Carbon Disulfide	4.03	76	87116	16.437	ug/l	100
18) Methyl Acetate	4.30	43	120996	21.233	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	293315	20.563	ug/l	98
20) Methylene Chloride	4.53	84	87755	20.850	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	68434	18.470	ug/l	98
22) Diisopropyl ether	5.93	45	320279	20.360	ug/l	95
23) Vinyl Acetate	5.87	43	1141467	102.390	ug/l	99
24) 1,1-Dichloroethane	5.83	63	176529	20.534	ug/l	99
25) 2-Butanone	6.81	43	290929	94.049	ug/l	100
26) 2,2-Dichloropropane	6.81	77	121311	17.830	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	97807	19.697	ug/l	99
28) Bromochloromethane	7.17	49	93837	21.848	ug/l	98
29) Tetrahydrofuran	7.19	42	186113	97.638	ug/l	99
30) Chloroform	7.36	83	182514	20.304	ug/l	98
31) Cyclohexane	7.64	56	122099	19.476	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	138665	19.450	ug/l	98
36) 1,1-Dichloropropene	7.78	75	114197	18.529	ug/l	97
37) Ethyl Acetate	6.91	43	122146	19.182	ug/l	98
38) Carbon Tetrachloride	7.76	117	108832	19.341	ug/l	98

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Quant Time: Sep 14 03:29:33 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116353	17.959	ug/l	99
40) Benzene	8.03	78	360668	19.437	ug/l	98
41) Methacrylonitrile	7.16	41	64413m	22.284	ug/l	
42) 1,2-Dichloroethane	8.11	62	147744	19.909	ug/l	100
43) Isopropyl Acetate	8.15	43	217422	20.304	ug/l #	89
44) Trichloroethene	8.83	130	86671	19.044	ug/l	97
45) 1,2-Dichloropropane	9.11	63	107891	19.982	ug/l	97
46) Dibromomethane	9.20	93	65144	19.966	ug/l	99
47) Bromodichloromethane	9.40	83	130820	20.079	ug/l	99
48) Methyl methacrylate	9.19	41	103392	19.034	ug/l	99
49) 1,4-Dioxane	9.19	88	30353	330.425	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	646064	101.952	ug/l	100
52) Toluene	10.15	92	227675	19.481	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	128255	18.693	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	145889	19.259	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	99614	20.122	ug/l	97
56) Ethyl methacrylate	10.43	69	141454	18.975	ug/l	98
57) 1,3-Dichloropropane	10.71	76	167792	19.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	315901	89.971	ug/l	99
59) 2-Hexanone	10.75	43	446505	94.005	ug/l	100
60) Dibromochloromethane	10.90	129	85734	18.650	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89692	19.164	ug/l	99
64) Tetrachloroethene	10.63	164	69651	19.151	ug/l	97
65) Chlorobenzene	11.43	112	250136	19.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	448088	19.834	ug/l	100
68) m/p-Xylenes	11.62	106	325636	39.349	ug/l	99
69) o-Xylene	11.95	106	161666	19.650	ug/l	96
70) Styrene	11.97	104	280562	19.815	ug/l	99
71) Bromoform	12.13	173	50120	17.972	ug/l #	98
73) Isopropylbenzene	12.25	105	452863	20.675	ug/l	100
74) N-amyl acetate	12.07	43	181227	19.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	145253	19.695	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	132522m	20.753	ug/l	
77) Bromobenzene	12.53	156	104732	19.178	ug/l	99
78) n-propylbenzene	12.59	91	525785	20.904	ug/l	100
79) 2-Chlorotoluene	12.68	91	315076	19.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386986	20.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27495	15.152	ug/l #	76
82) 4-Chlorotoluene	12.78	91	317829	19.469	ug/l	98
83) tert-Butylbenzene	13.00	119	328194	19.949	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	380358	20.221	ug/l	99
85) sec-Butylbenzene	13.18	105	453300	20.789	ug/l	99
86) p-Isopropyltoluene	13.29	119	393717	20.493	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	195482	19.501	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	197431	19.404	ug/l	99
89) n-Butylbenzene	13.62	91	355138	19.574	ug/l	100
90) Hexachloroethane	13.88	117	54923	19.222	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	196107	19.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23519	19.310	ug/l	95

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Quant Time: Sep 14 03:29:33 2019
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114533	17.498	ug/l	98
94) Hexachlorobutadiene	15.02	225	51665	18.620	ug/l	99
95) Naphthalene	15.13	128	315461	18.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	112270	20.253	ug/l	98

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

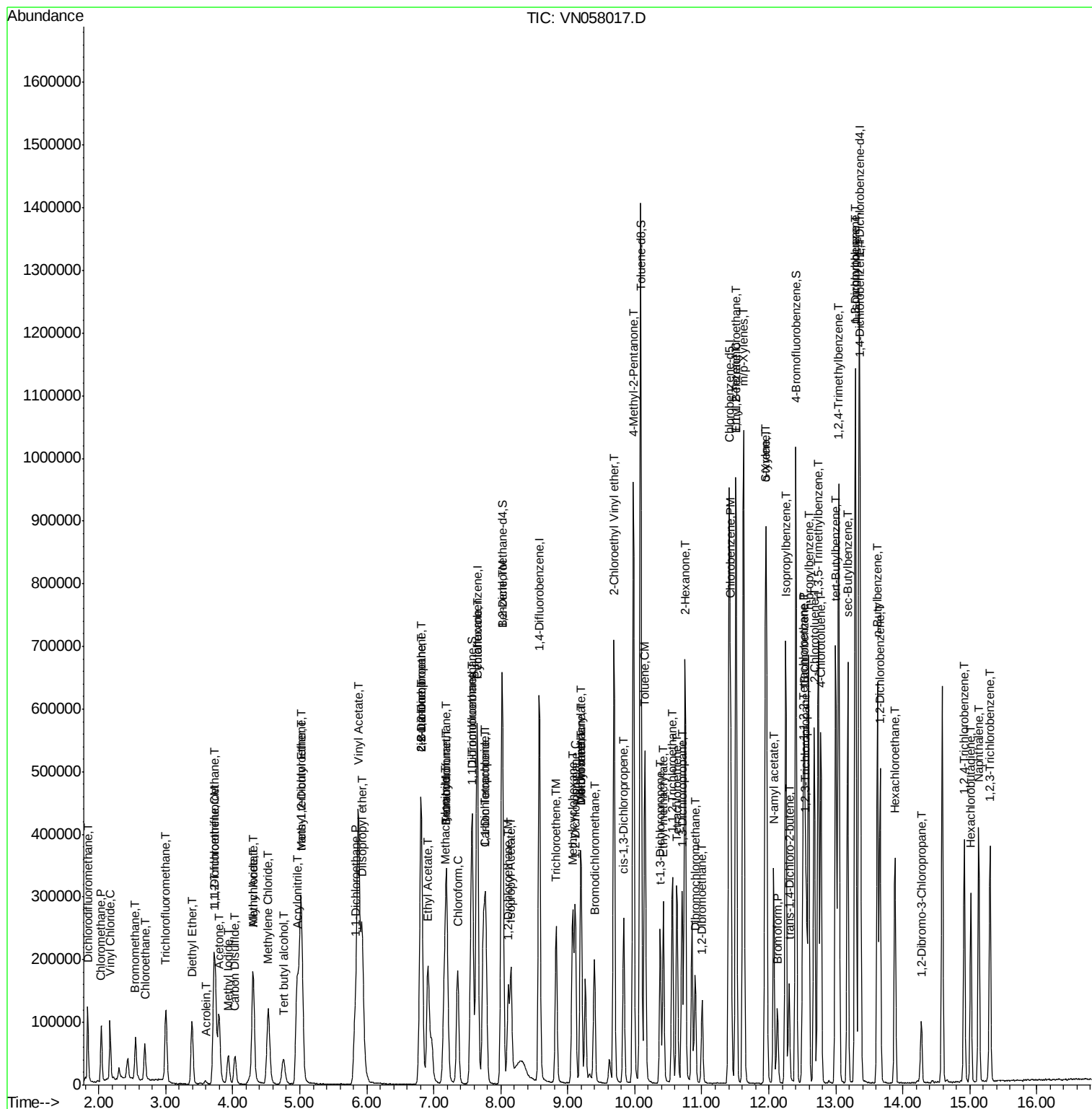
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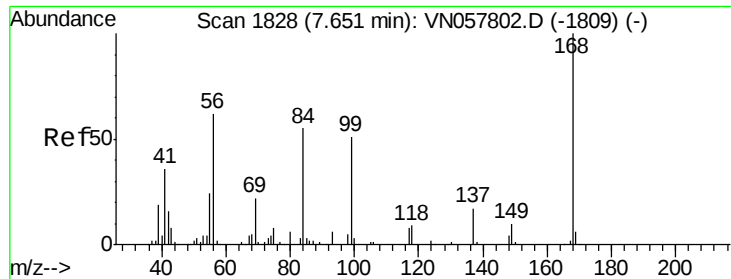
Instrument :
MSVOA_N
Client Sample Id :
VN0914WBSD02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion:168 Resp: 321893

Ion Ratio Lower Upper

168 100

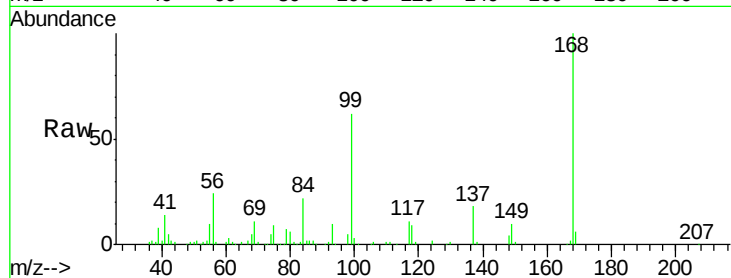
99 61.1 48.0 72.0

Manual Integrations

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9/16/2019 2:50:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

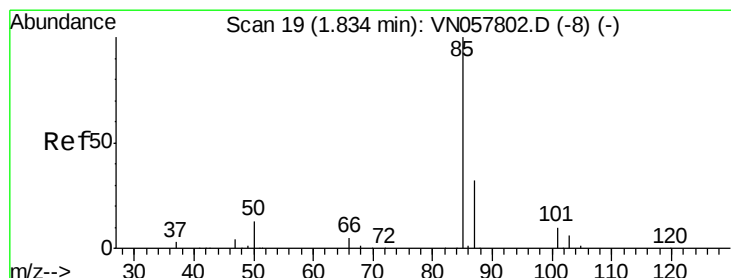
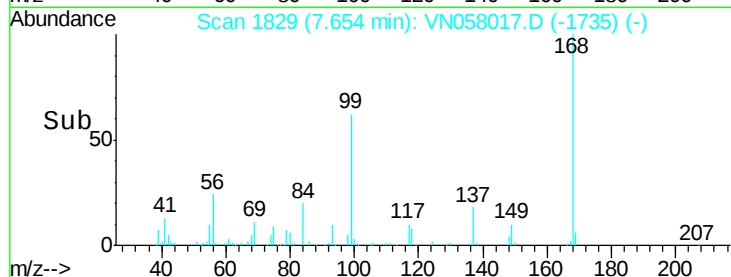
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.531 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058017.D

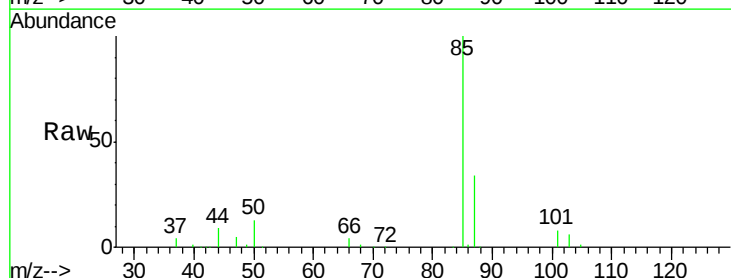
Acq: 13 Sep 2019 14:36

Tgt Ion: 85 Resp: 86946

Ion Ratio Lower Upper

85 100

87 33.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

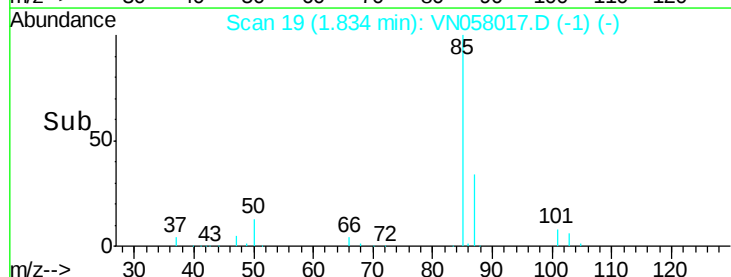
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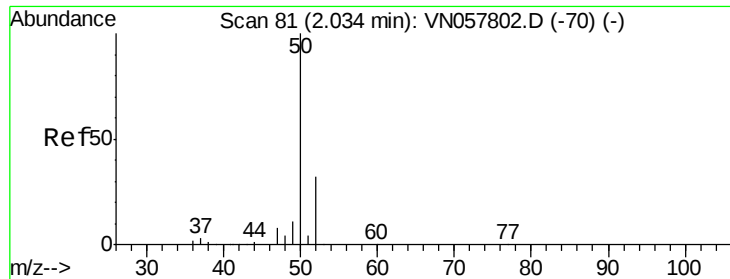
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.663 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 50 Resp: 75603

Ion Ratio Lower Upper

50 100

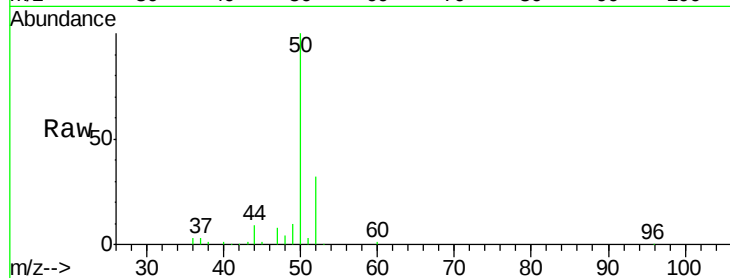
52 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.04

60000

50000

40000

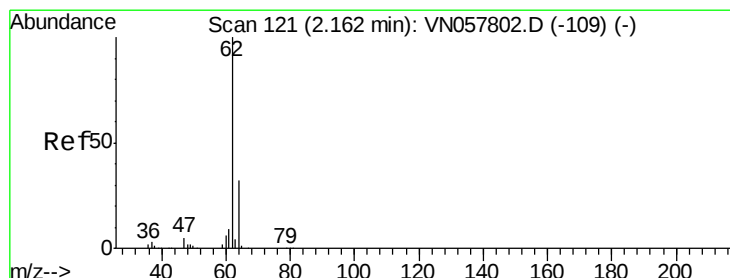
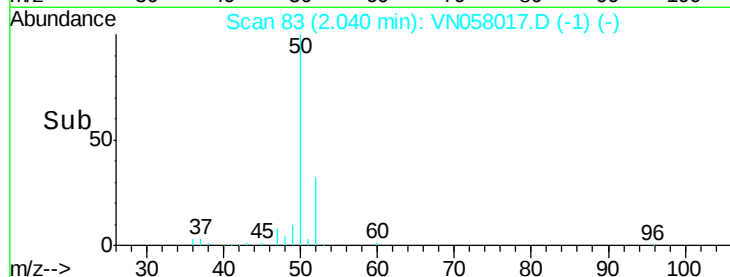
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 16.825 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058017.D

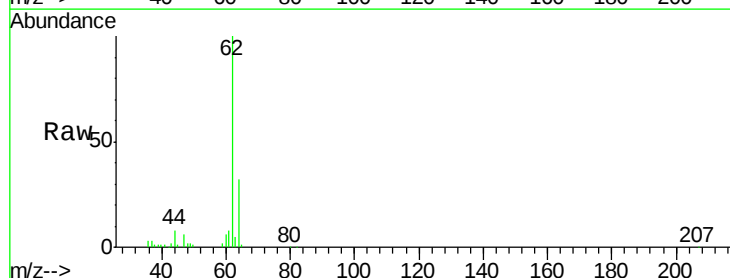
Acq: 13 Sep 2019 14:36

Tgt Ion: 62 Resp: 80795

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN057802.D (-109) (-)

2.17

60000

50000

40000

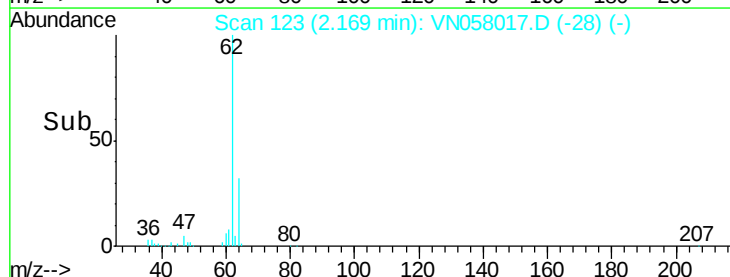
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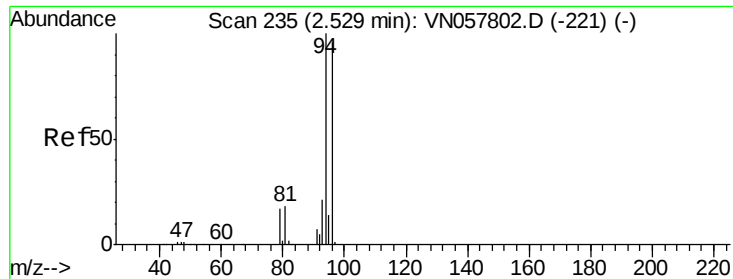
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10000

0

Time-->





#5

Bromomethane

Concen: 15.887 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 94 Resp: 44662

Ion Ratio Lower Upper

94 100

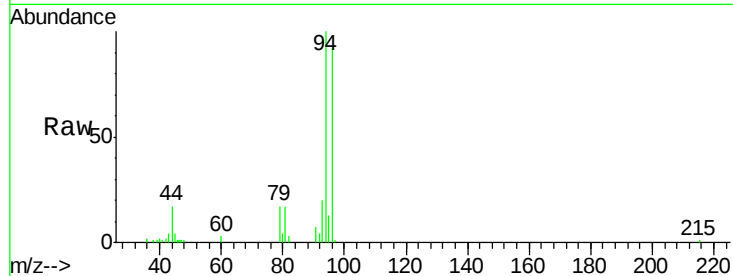
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Manual Integrations

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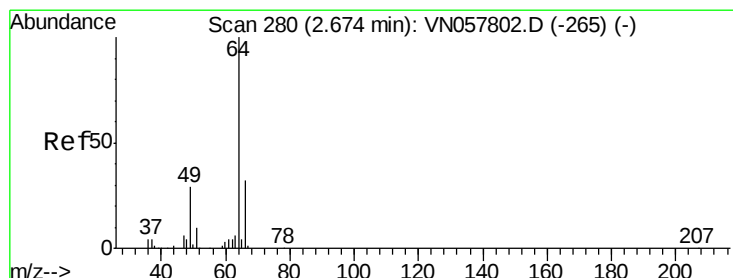
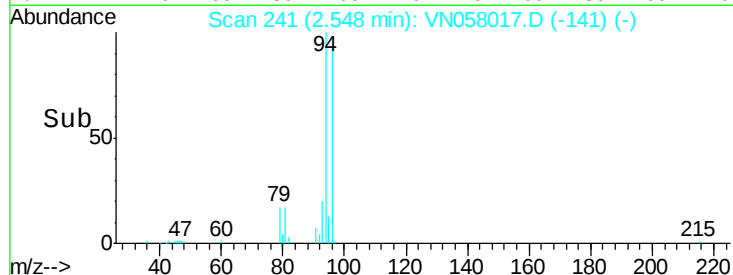
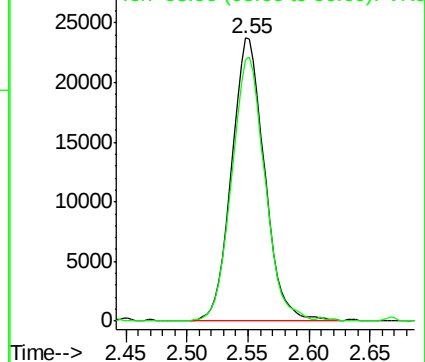
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.579 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058017.D

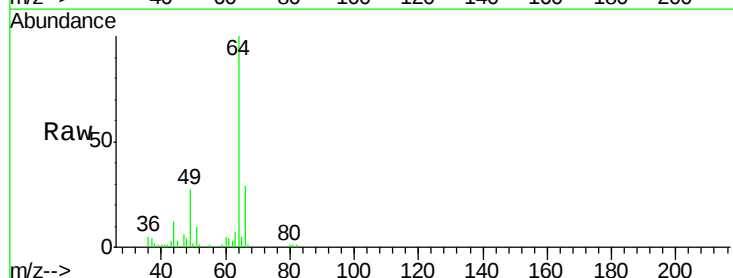
Acq: 13 Sep 2019 14:36

Tgt Ion: 64 Resp: 53790

Ion Ratio Lower Upper

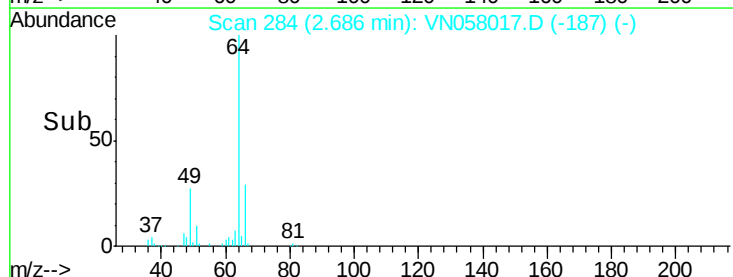
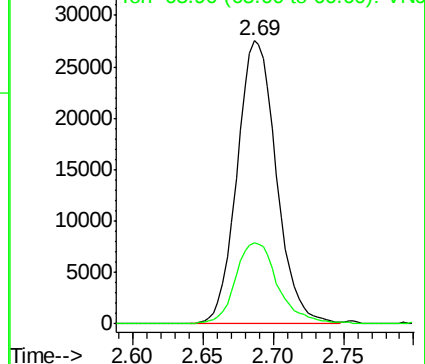
64 100

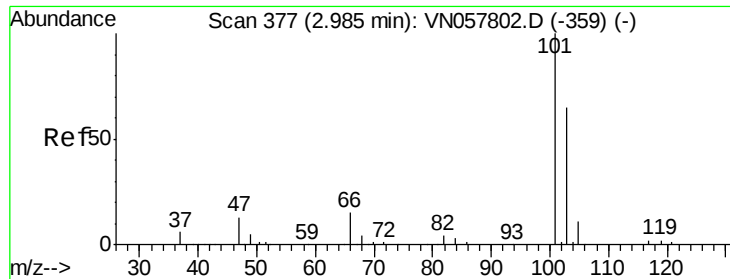
66 28.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

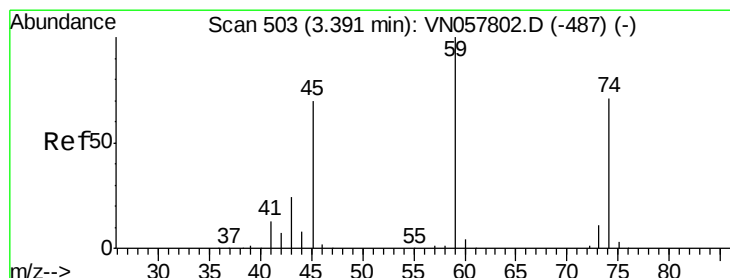
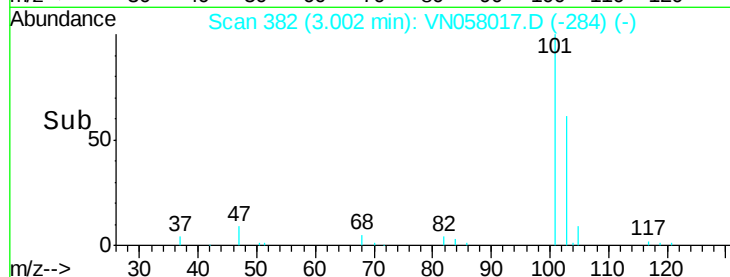
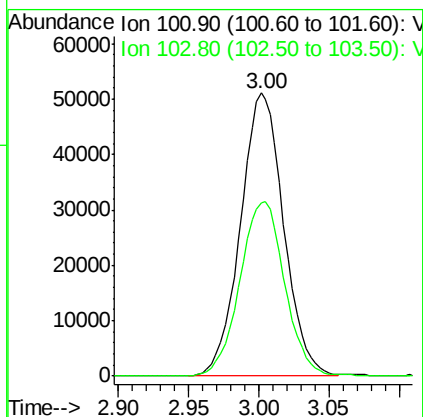
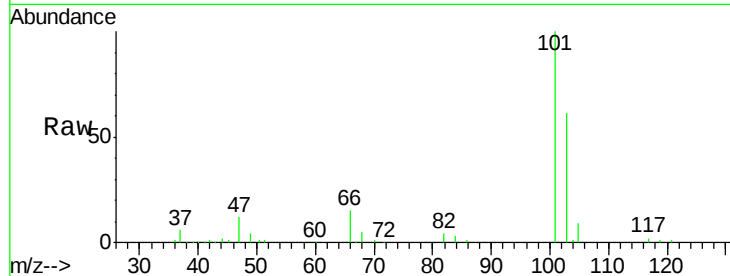
Trichlorofluoromethane
 Concen: 18.086 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion:101 Resp: 109296
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.9 77.9

Manual Integrations
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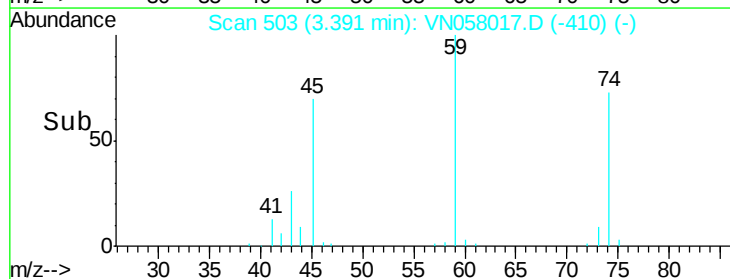
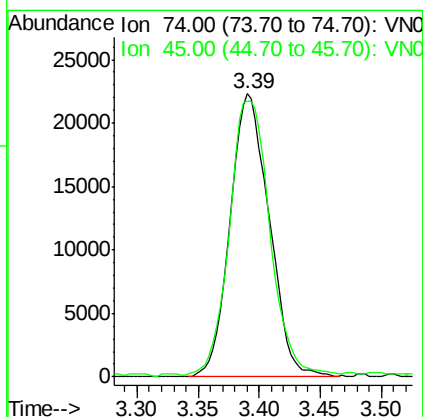
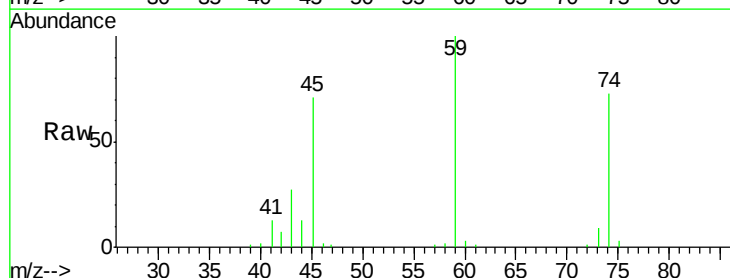
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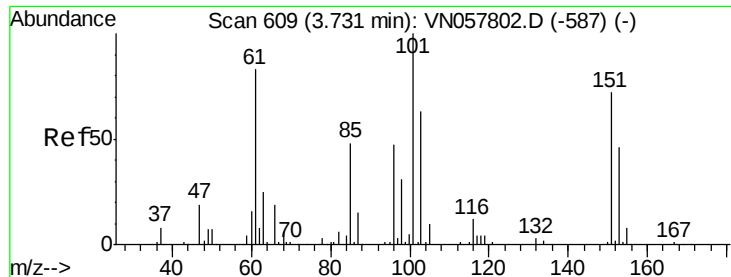


#8

Diethyl Ether
 Concen: 19.687 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 74 Resp: 49620
 Ion Ratio Lower Upper
 74 100
 45 99.6 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

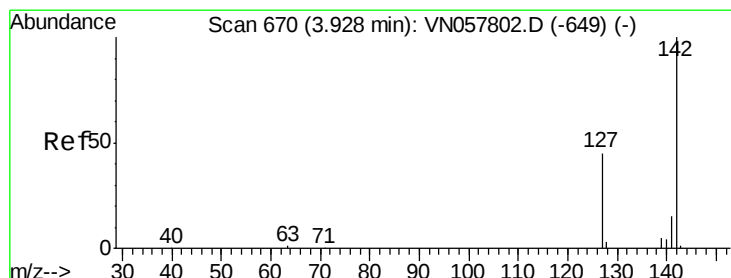
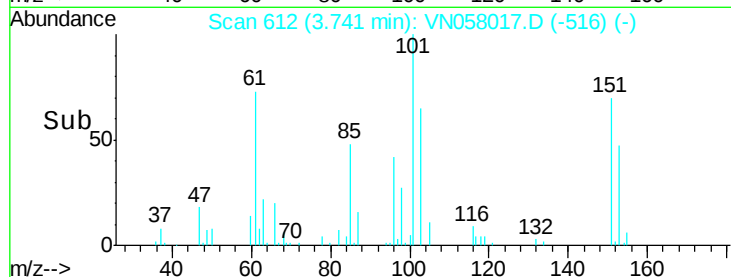
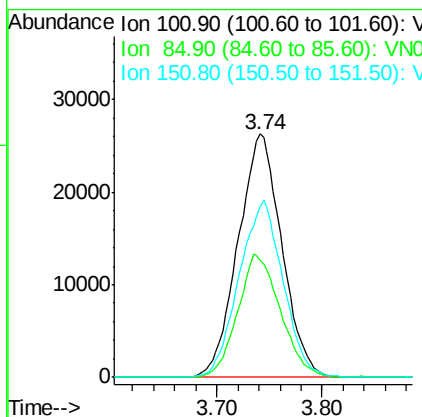
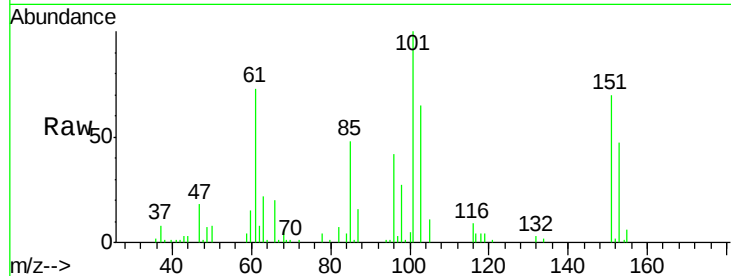
ClientSampleId :

VN0914WBSD02

Tot Ion:	101	Resp:	75600
Ion Ratio	Lower	Upper	
101	100		
85	49.2	38.1	57.1
151	73.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.186 ug/l

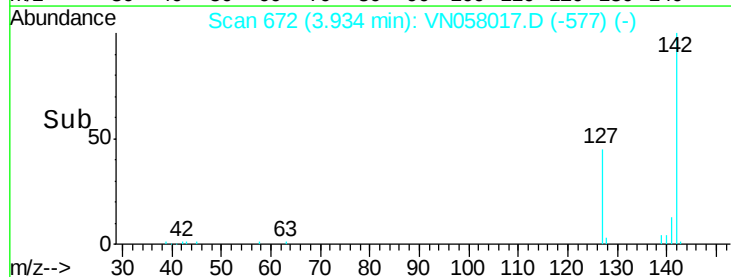
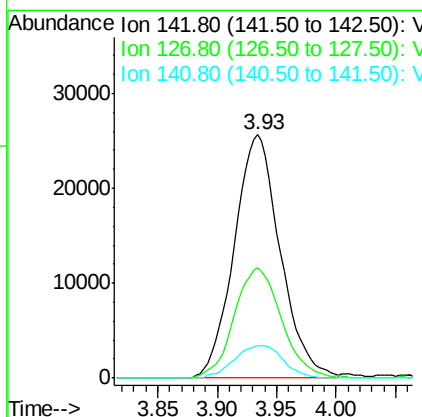
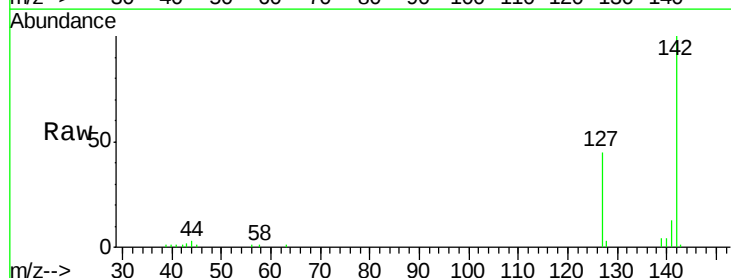
RT: 3.93 min Scan# 672

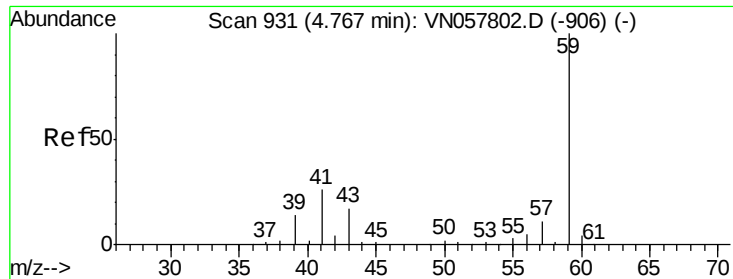
Delta R.T. 0.01 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	142	Resp:	68666
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.7	55.1
141	14.2	11.4	17.0





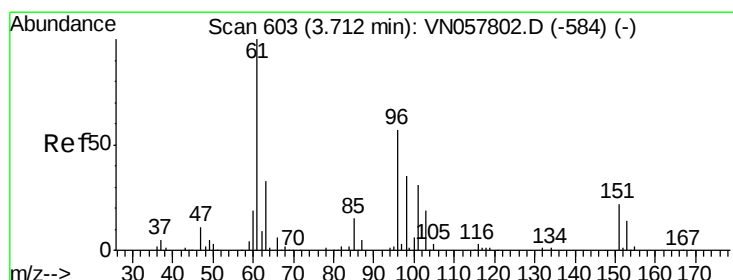
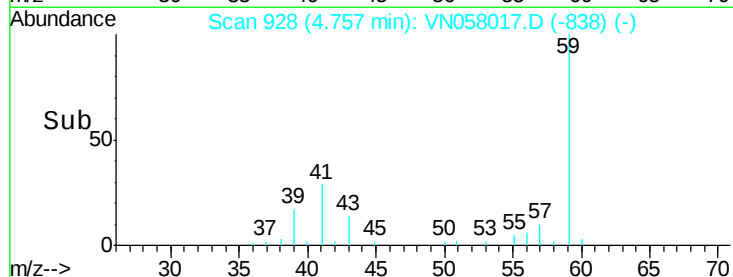
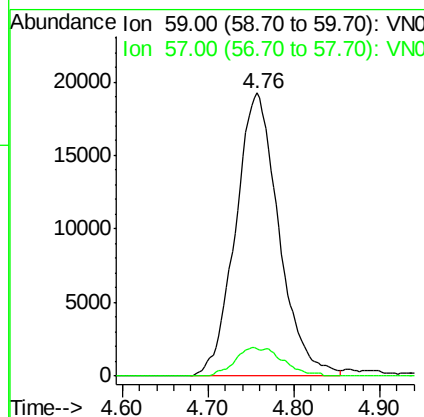
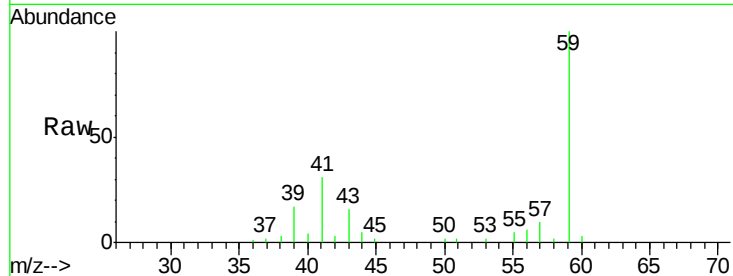
#11
Tert butyl alcohol
Concen: 85.340 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.4	12.6#

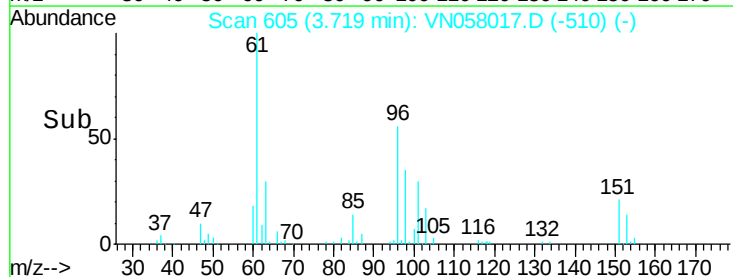
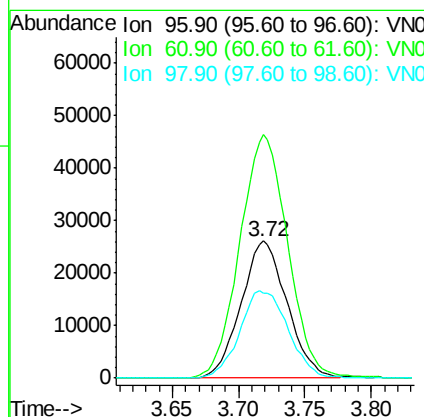
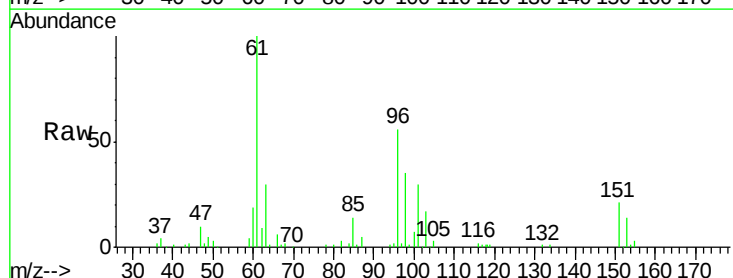
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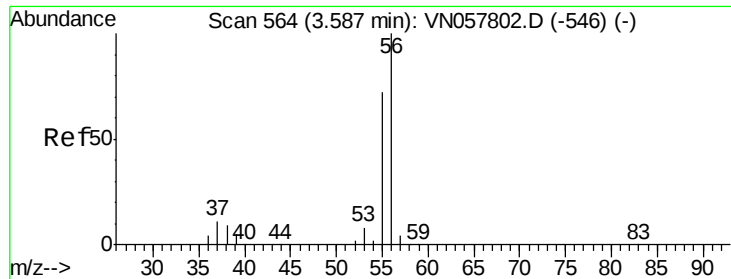
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.441 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	141.2	211.8
98	62.2	49.9	74.9





#13

Acrolein

Concen: 8.623 ug/l m

RT: 3.61 min Scan# 570

Delta R.T. 0.02 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 56 Resp: 5773

Ion Ratio Lower Upper

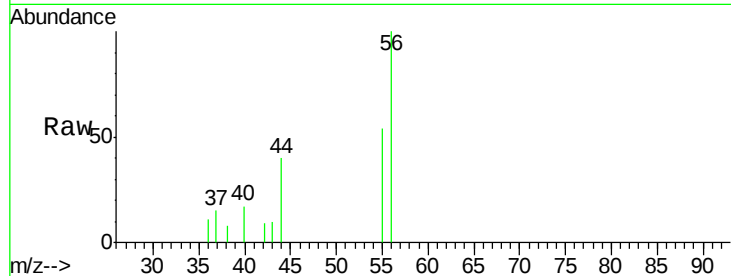
56 100

55 74.3 57.3 85.9

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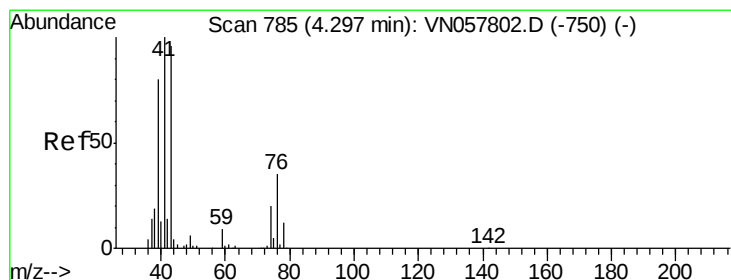
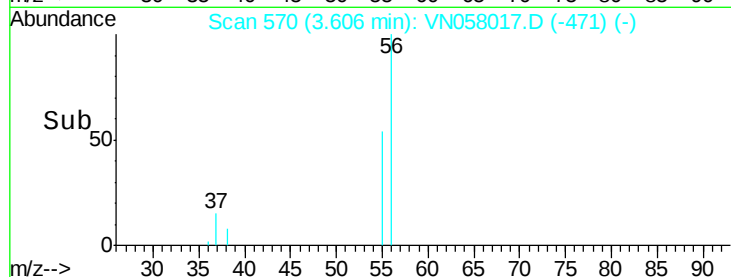
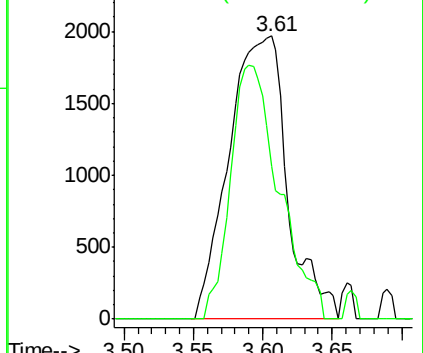
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.445 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

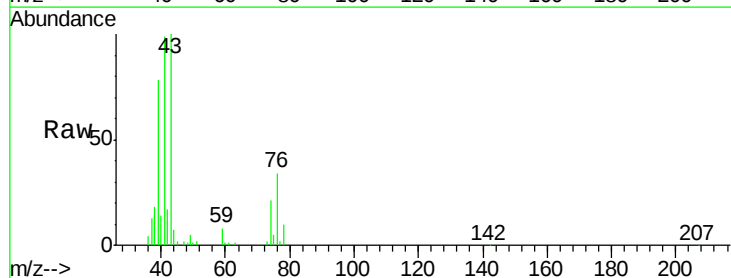
Tgt Ion: 41 Resp: 123727

Ion Ratio Lower Upper

41 100

39 77.3 59.4 89.2

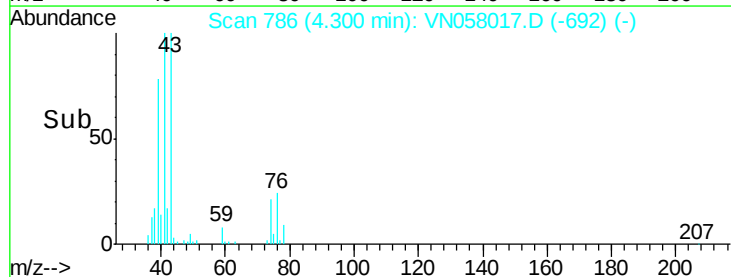
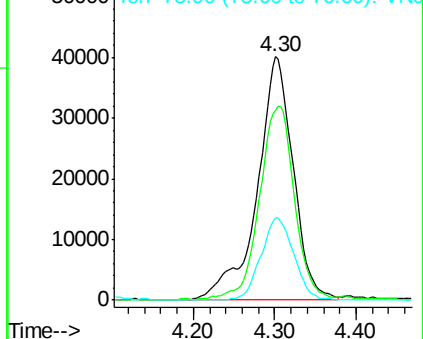
76 30.7 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 100.171 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

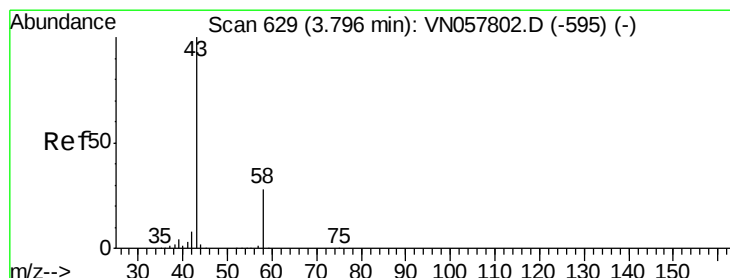
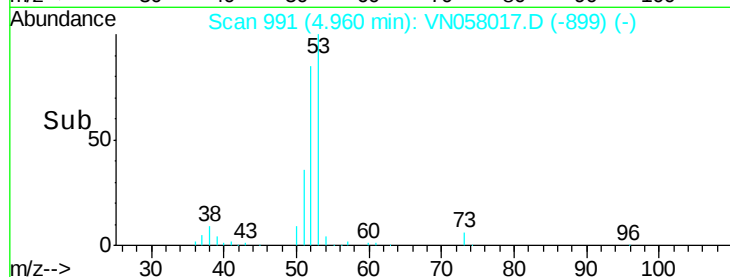
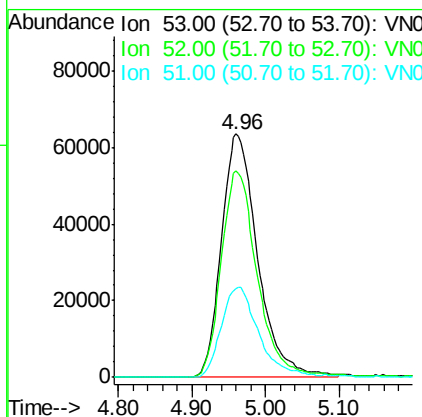
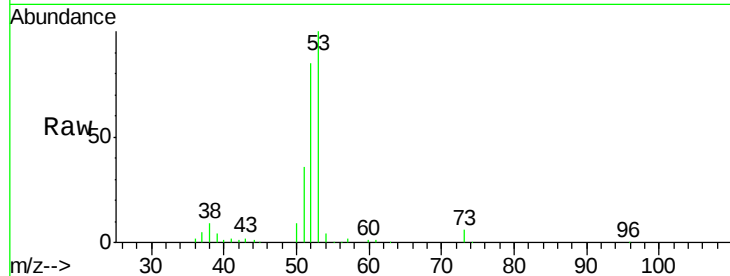
ClientSampleId :

VN0914WBSD02

Tot Ion:	53	Resp:	217260
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	38.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 85.767 ug/l

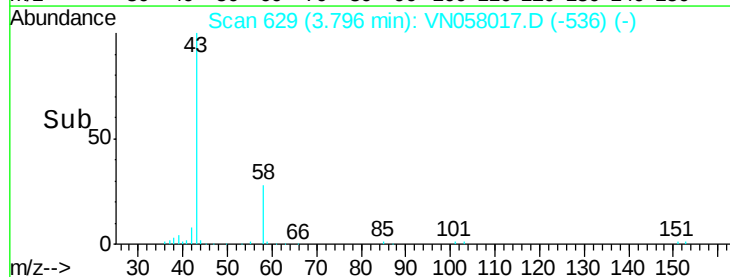
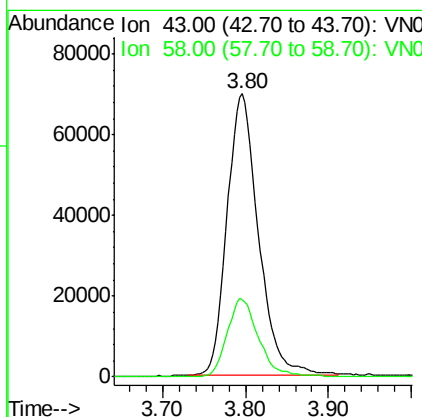
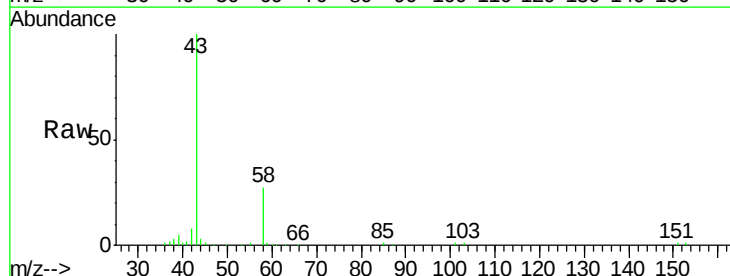
RT: 3.80 min Scan# 629

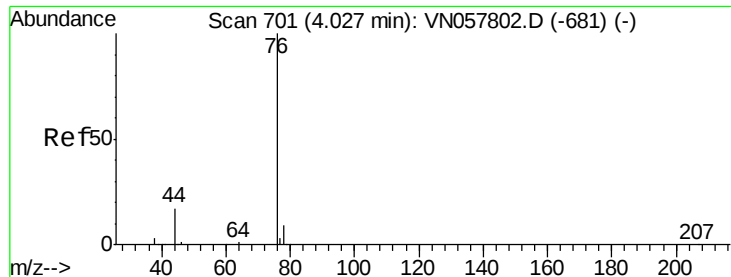
Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	43	Resp:	183308
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.2	33.2





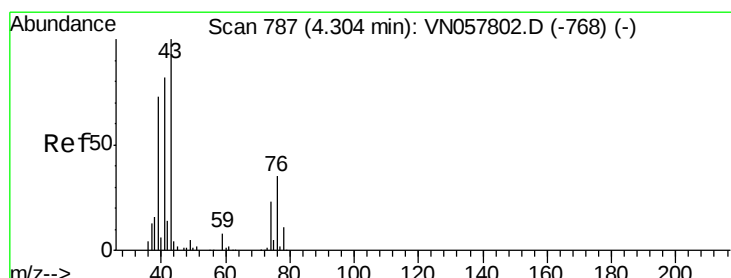
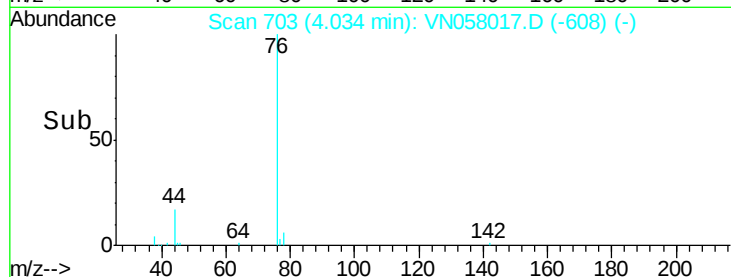
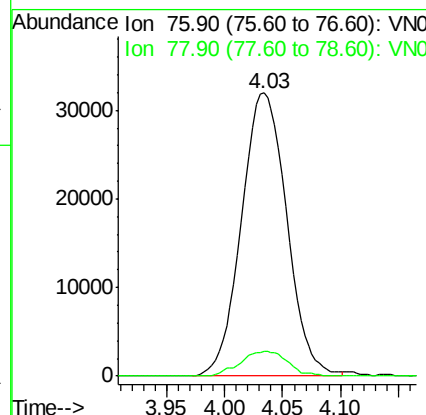
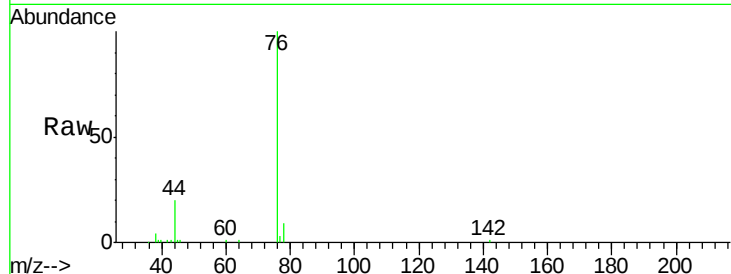
#17
Carbon Disulfide
Concen: 16.437 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

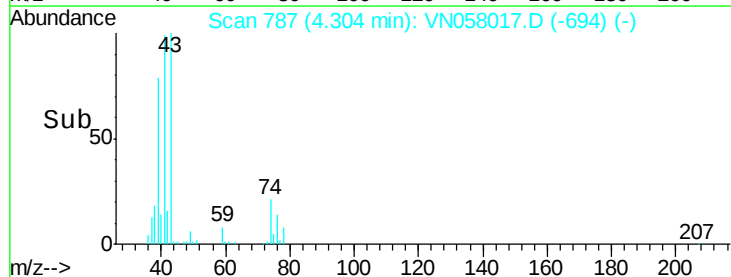
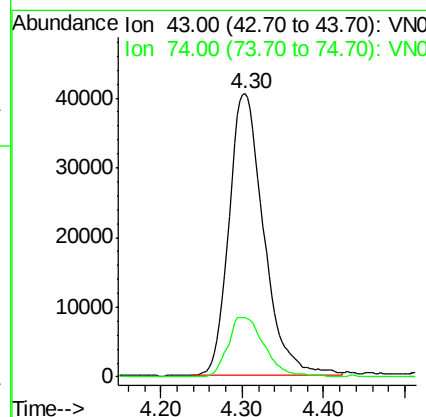
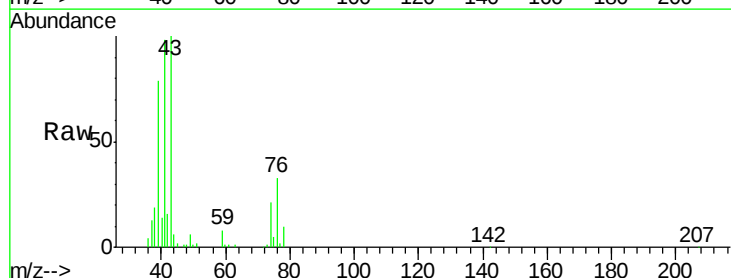
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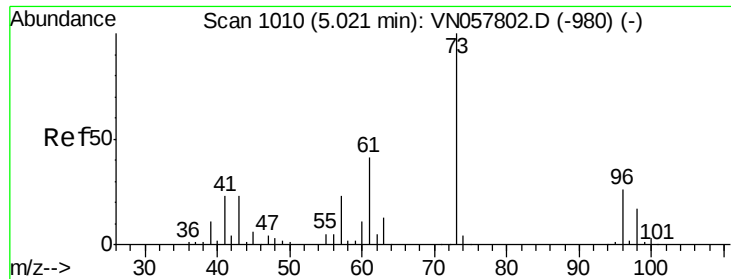
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#18
Methyl Acetate
Concen: 21.233 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.9	26.9





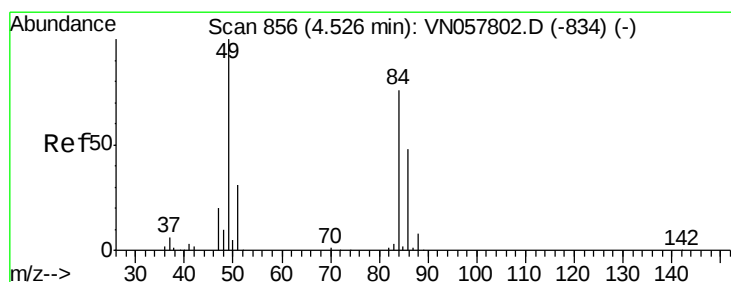
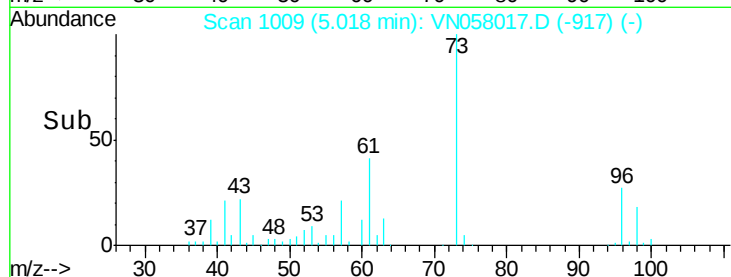
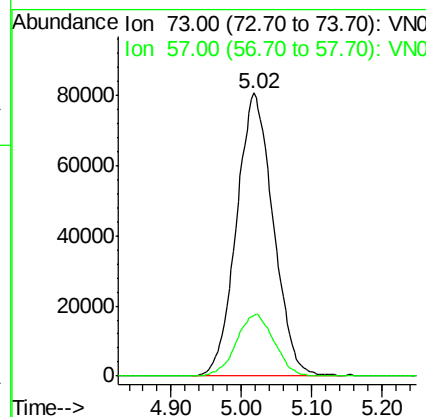
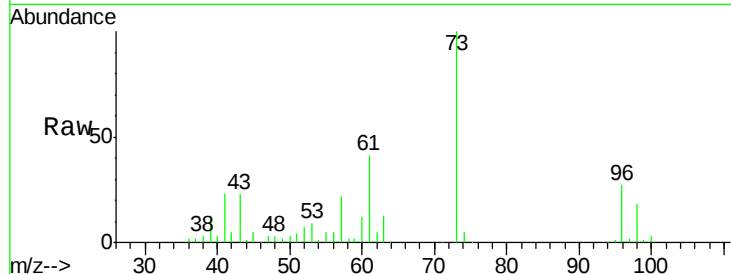
#19
Methvl tert-butvl Ether
Concen: 20.563 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion: 73 Resp: 293315
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

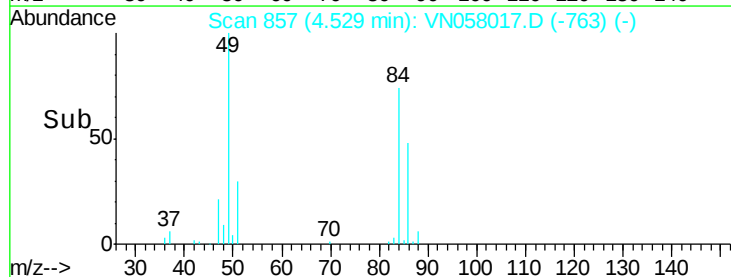
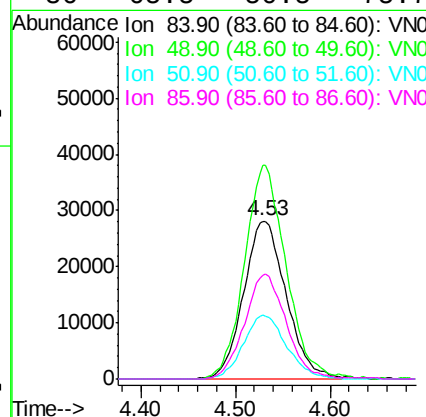
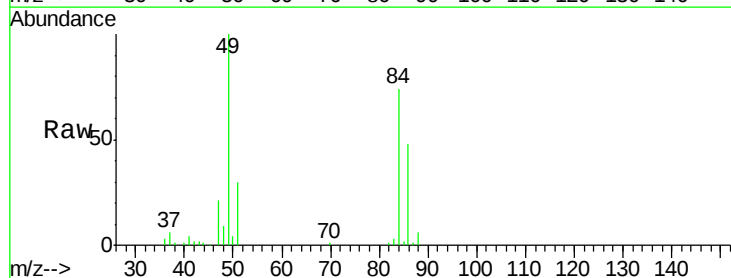
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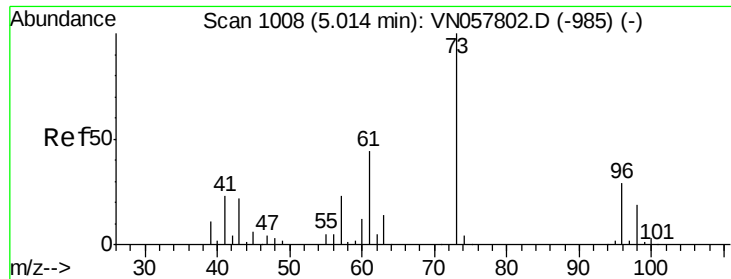
MMDadoda
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#20
Methylene Chloride
Concen: 20.850 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 84 Resp: 87755
Ion Ratio Lower Upper
84 100
49 135.6 104.8 157.2
51 40.4 33.0 49.4
86 65.5 50.5 75.7





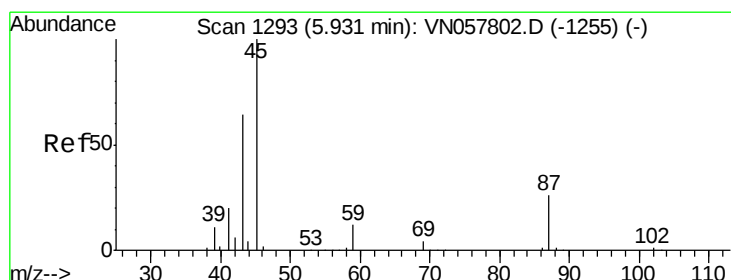
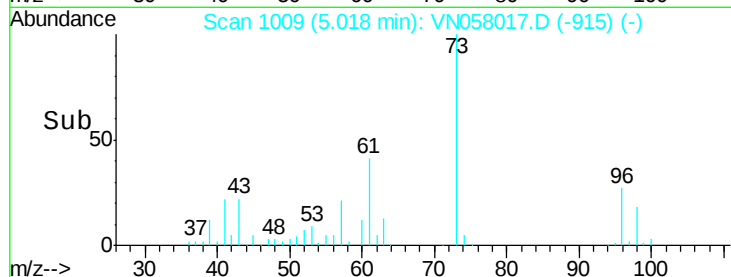
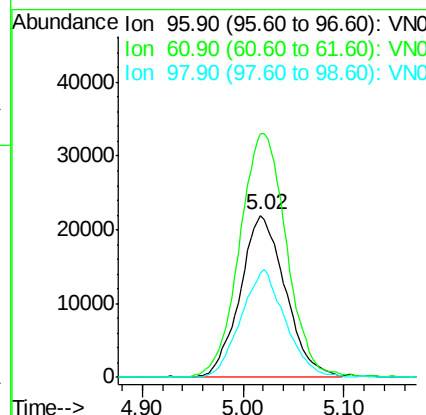
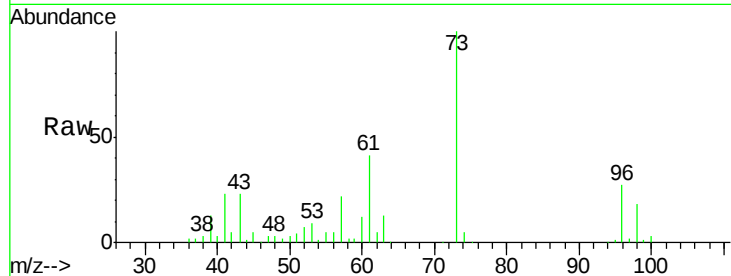
#21
trans-1,2-Dichloroethene
Concen: 18.470 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.9	182.9
98	64.5	52.2	78.4

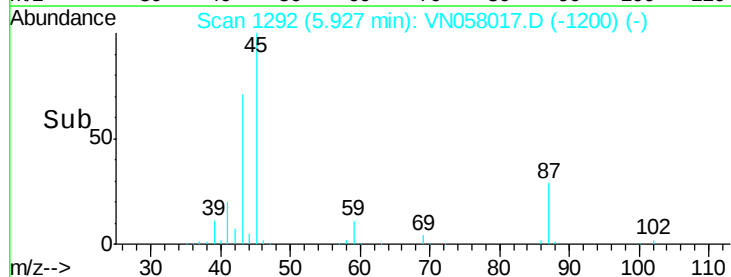
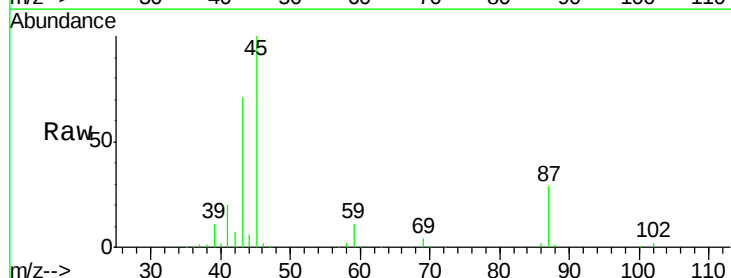
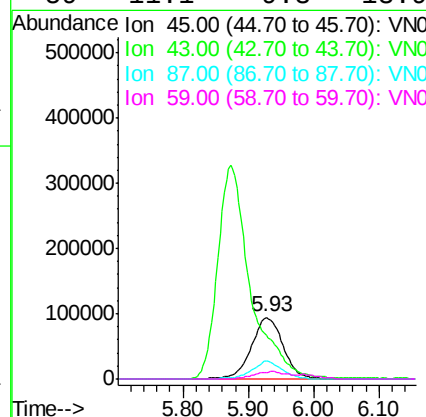
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#22
Diisopropyl ether
Concen: 20.360 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	51.4	77.2
87	29.0	21.3	31.9
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 102.390 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 43 Resp: 1141467

Ion Ratio Lower Upper

43 100

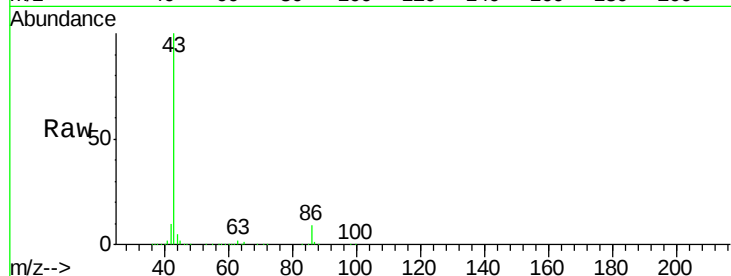
86 9.1 7.7 11.5

Manual Integrations

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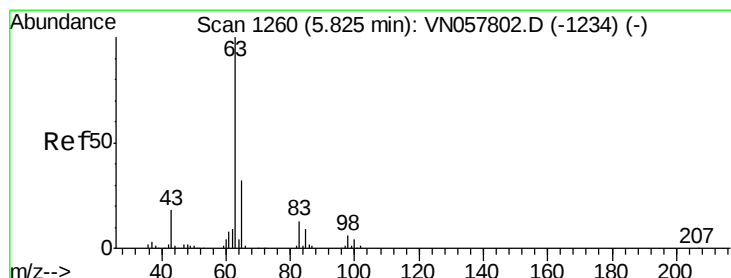
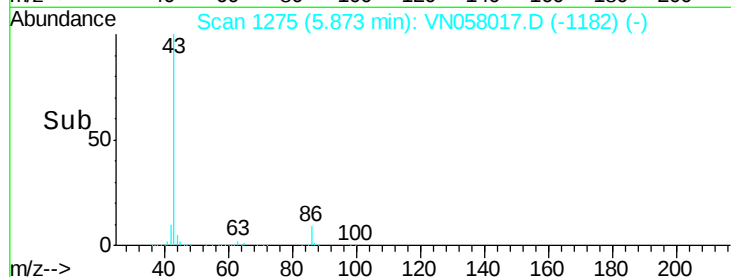
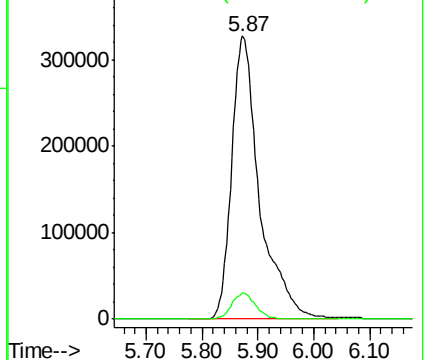
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.534 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

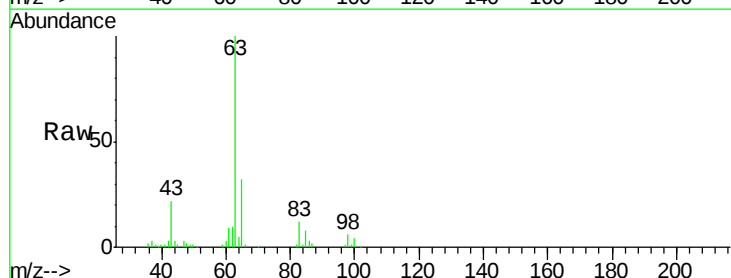
Tgt Ion: 63 Resp: 176529

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

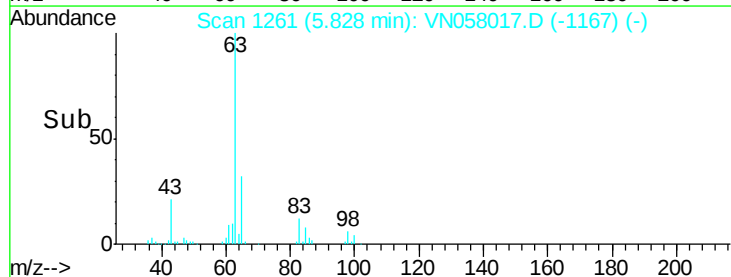
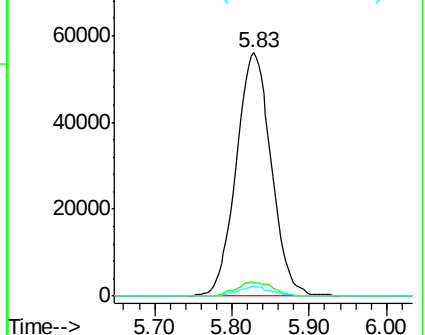
100 3.9 2.0 5.8

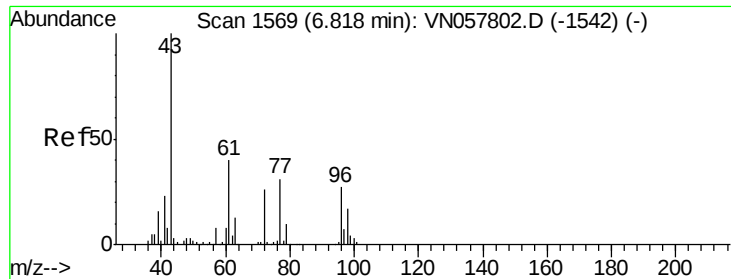


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.049 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 43 Resp: 290929

Ion Ratio Lower Upper

43 100

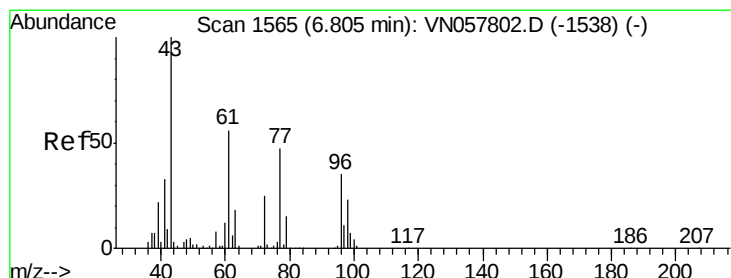
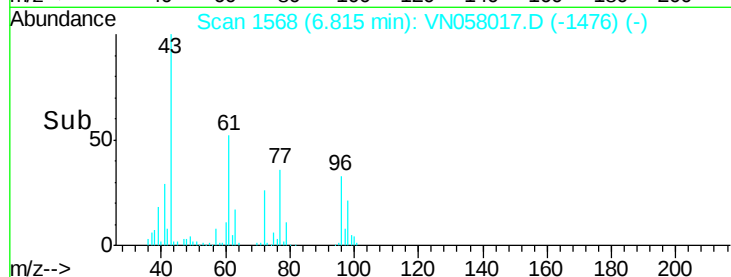
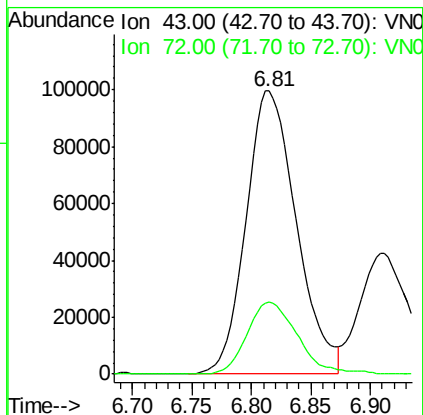
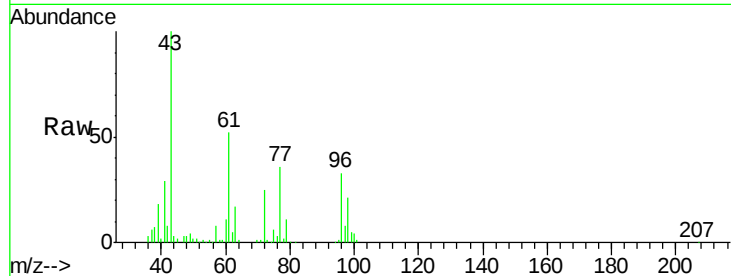
72 25.5 20.6 30.8

Manual Integrations

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MMDadoda

9/16/2019 2:50:01 PM



#26

2,2-Dichloropropane

Concen: 17.830 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058017.D

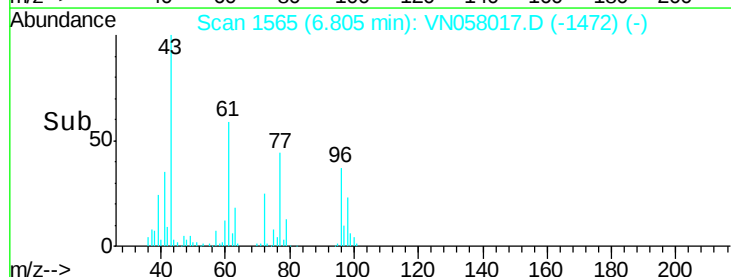
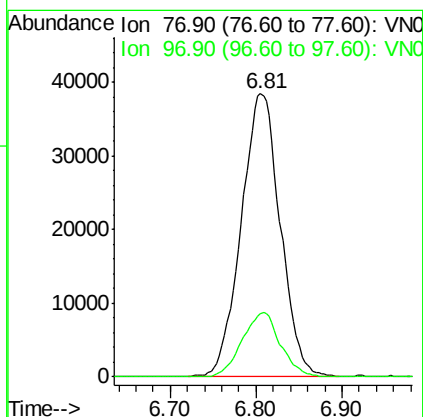
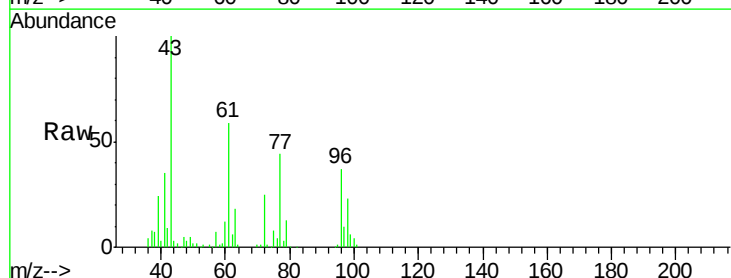
Acq: 13 Sep 2019 14:36

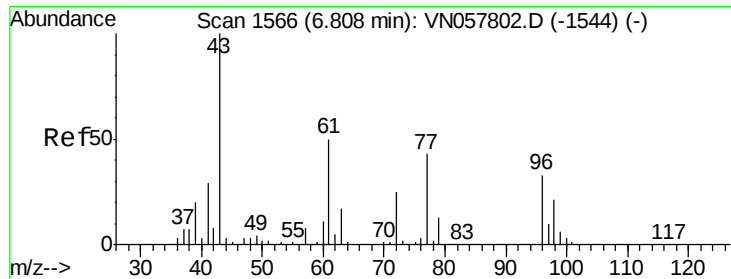
Tgt Ion: 77 Resp: 121311

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.697 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

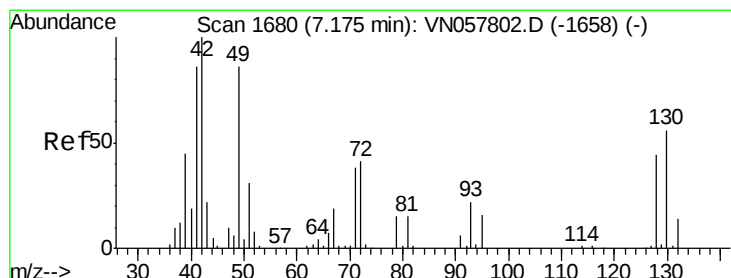
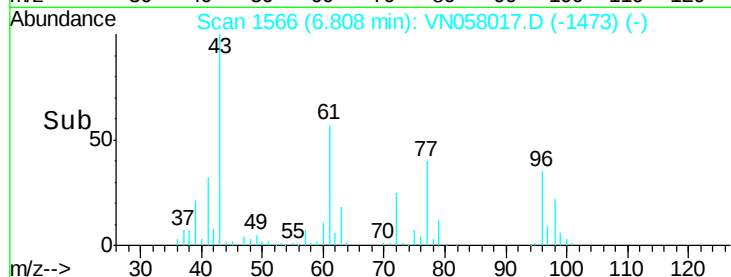
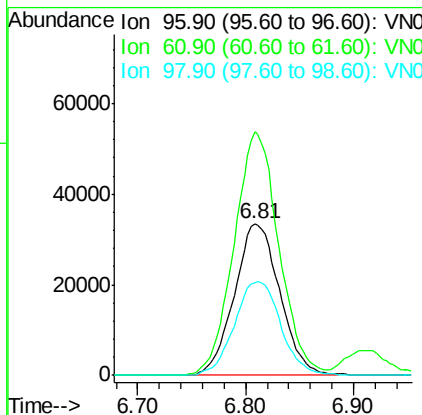
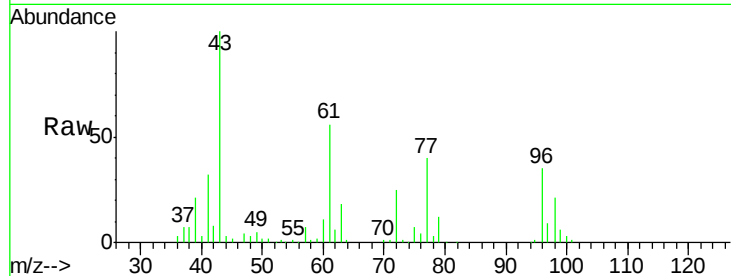
ClientSampleId :

VN0914WBSD02

Tot Ion:	96	Resp:	97807
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	314.0
98	63.1	0.0	128.6

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#28

Bromochloromethane

Concen: 21.848 ug/l

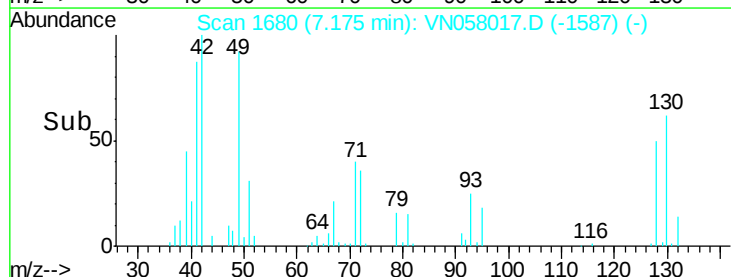
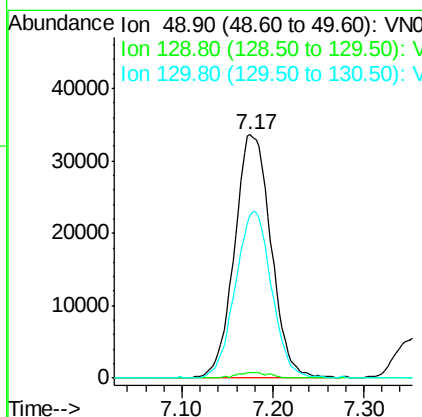
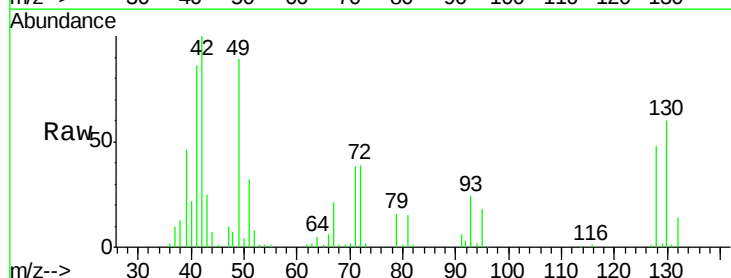
RT: 7.17 min Scan# 1680

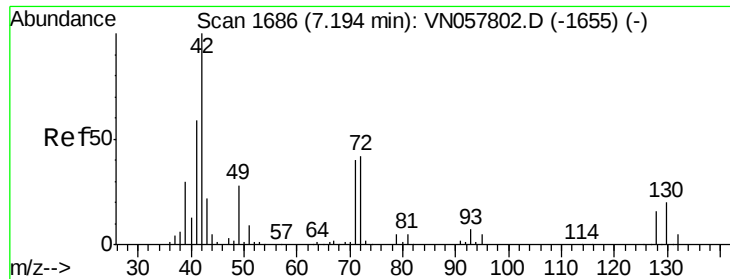
Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	49	Resp:	93837
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	67.7	53.0	79.6





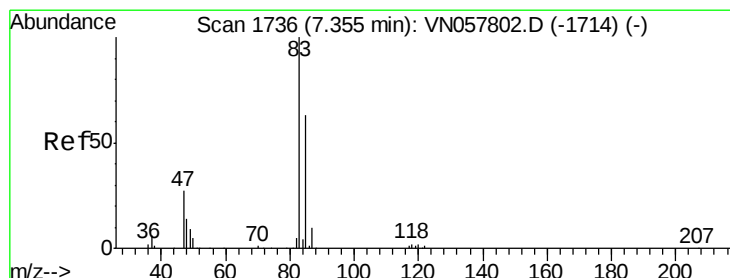
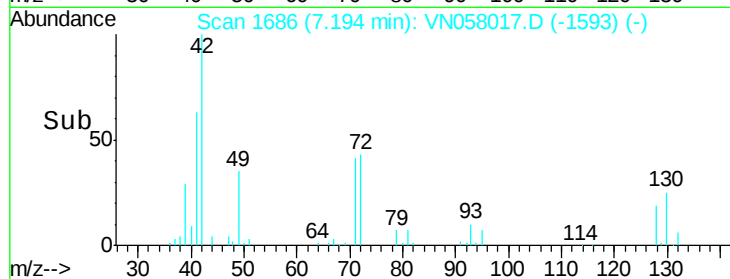
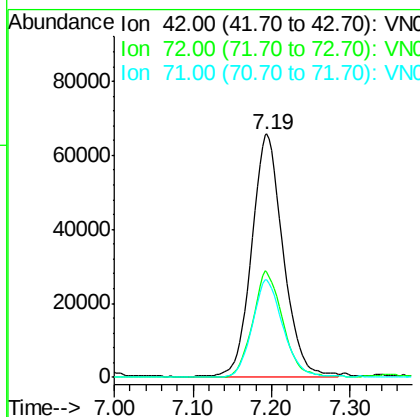
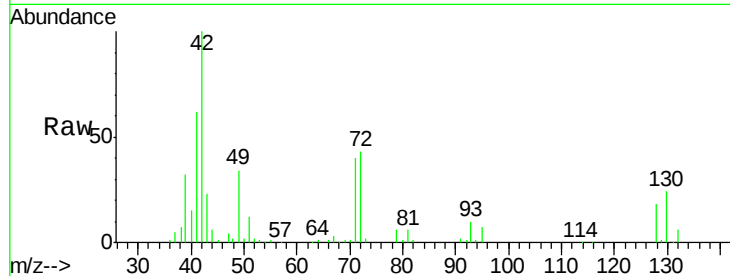
#29
Tetrahydrofuran
Concen: 97.638 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	39.2	31.9	47.9

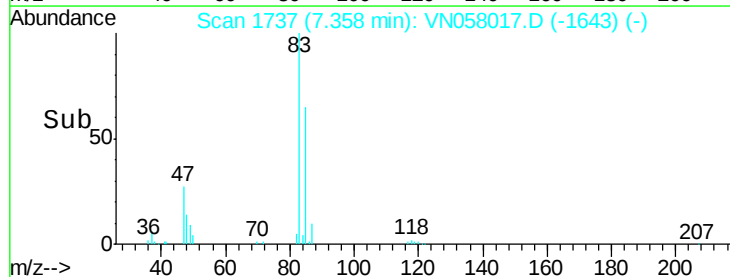
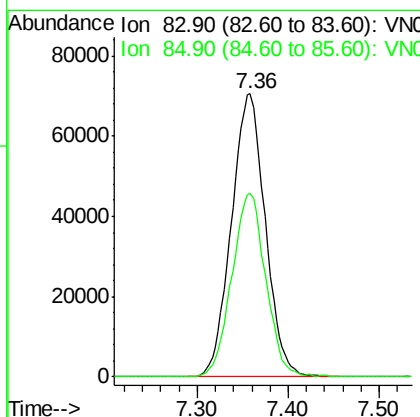
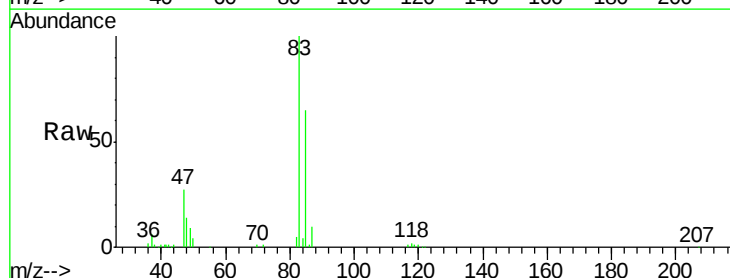
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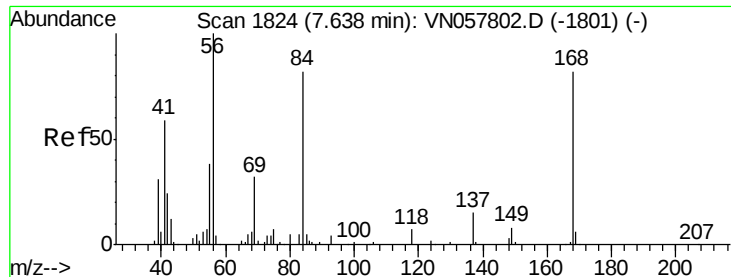
MMDadoda
9/16/2019 2:50:01 PM



#30
Chloroform
Concen: 20.304 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8





#31

Cyclohexane

Concen: 19.476 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

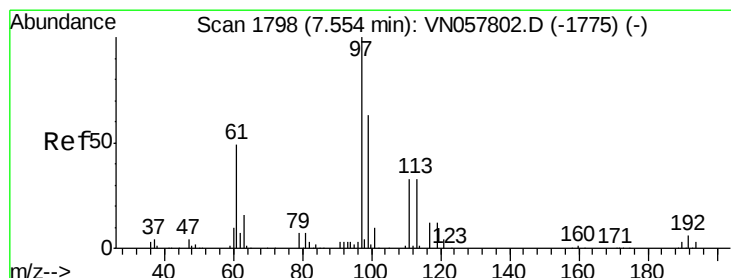
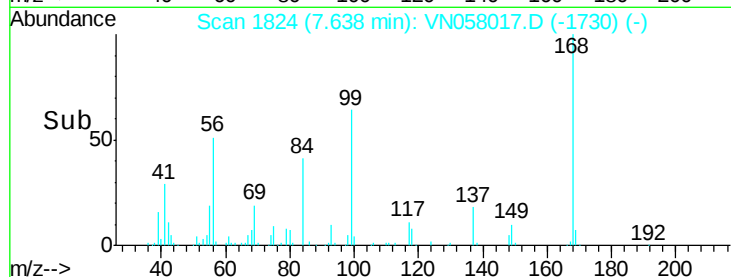
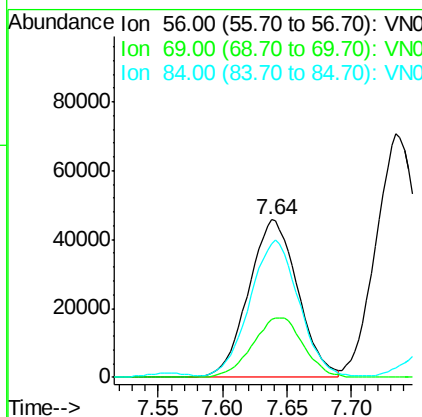
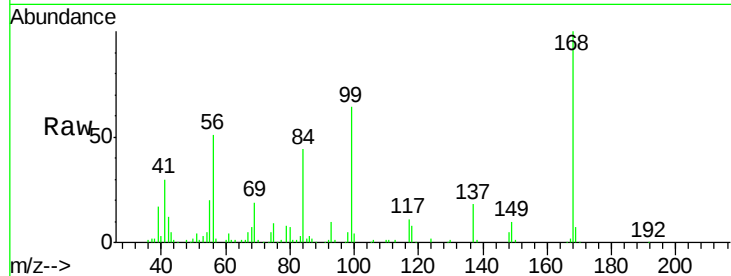
ClientSampleId :

VN0914WBSD02

Tot Ion:	56	Resp:	122099
Ion Ratio	Lower	Upper	
56	100		
69	36.4	25.9	38.9
84	83.7	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.450 ug/l

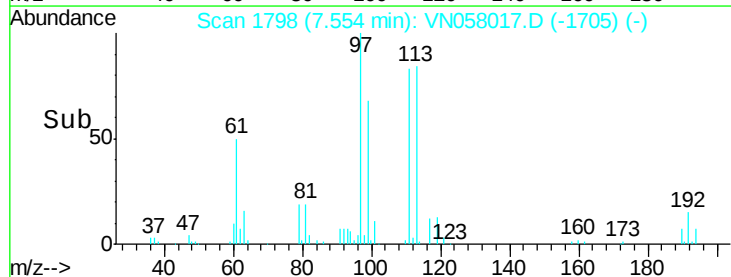
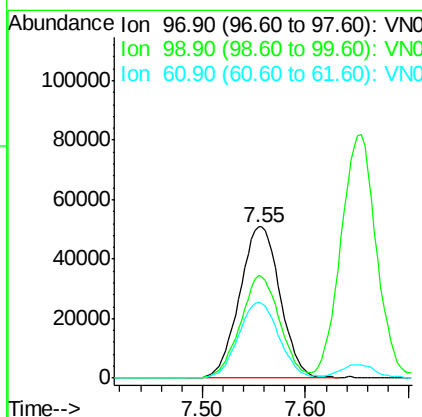
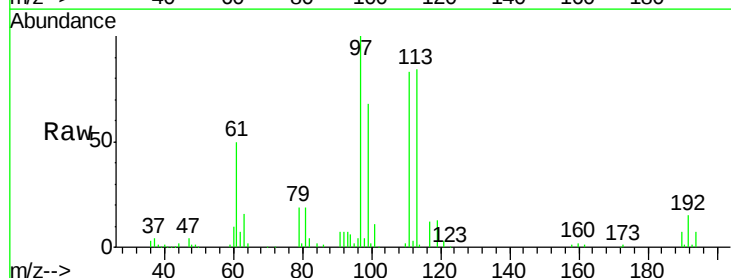
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	97	Resp:	138665
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.0	76.4
61	49.9	39.0	58.6





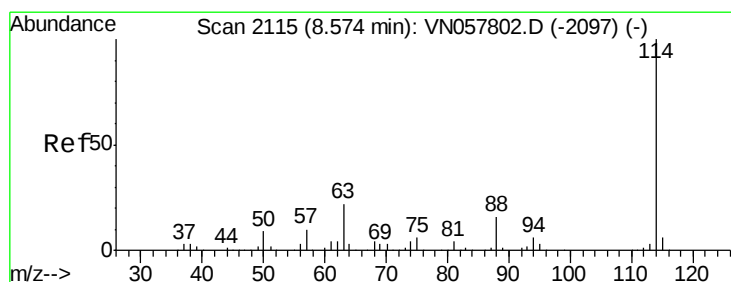
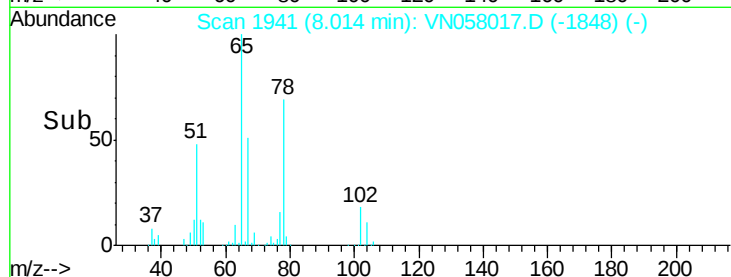
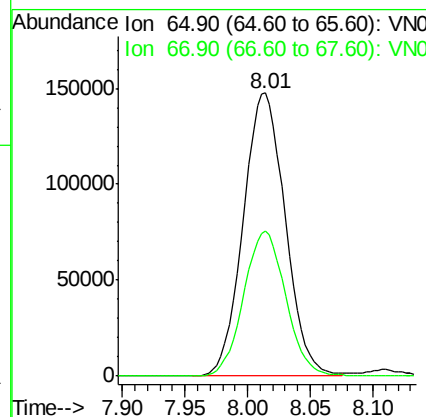
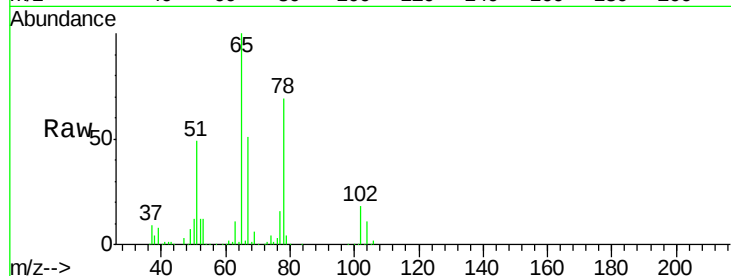
#33
 1,2-Dichloroethane-d4
 Concen: 52.783 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	344127		
67	51.4	0.0	104.0	

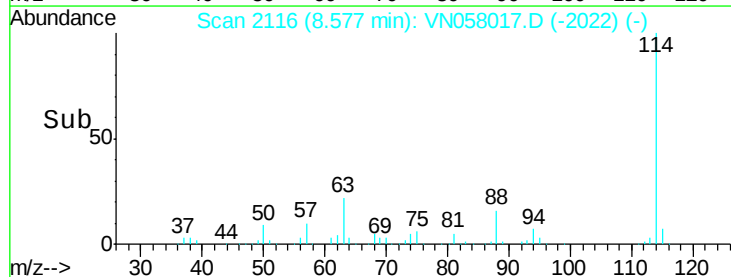
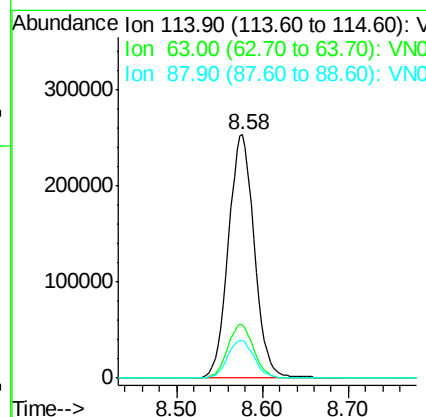
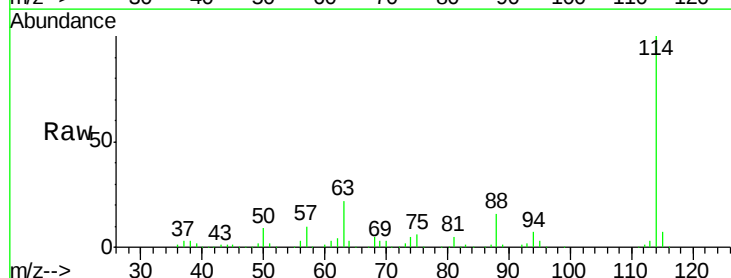
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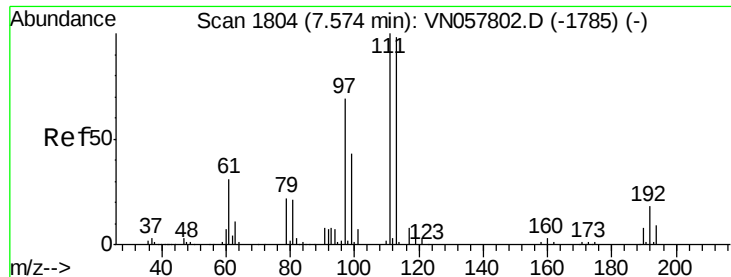
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531432		
63	22.0	0.0	44.0	
88	15.6	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.689 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

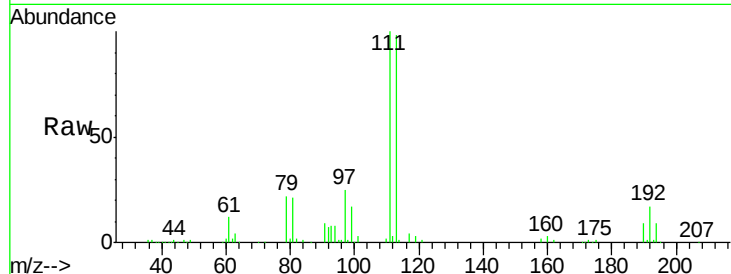
ClientSampleId :

VN0914WBSD02

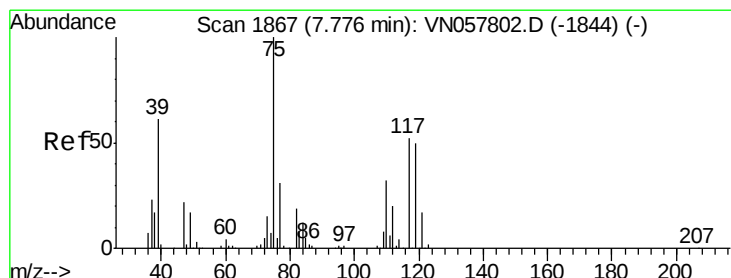
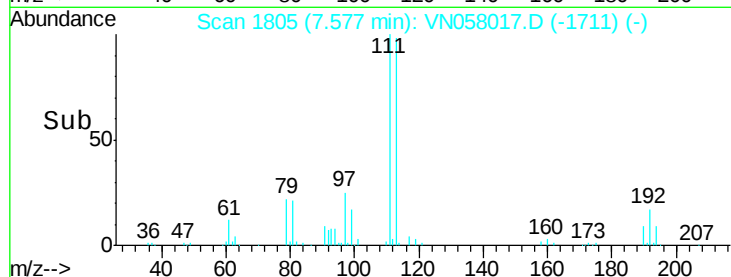
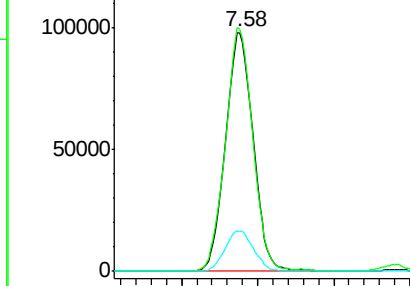
Tot Ion:	113	Resp:	248627
Ion Ratio	Lower	Upper	
113	100		
111	100.7	81.3	121.9
192	17.5	14.6	22.0

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.529 ug/l

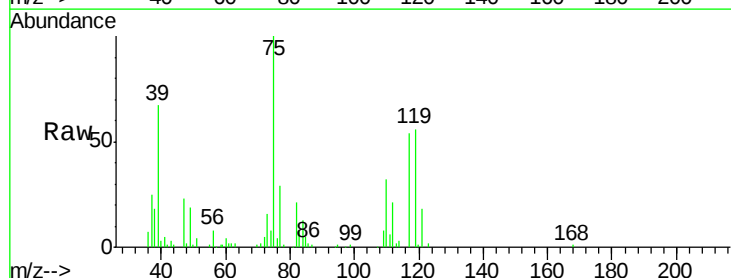
RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

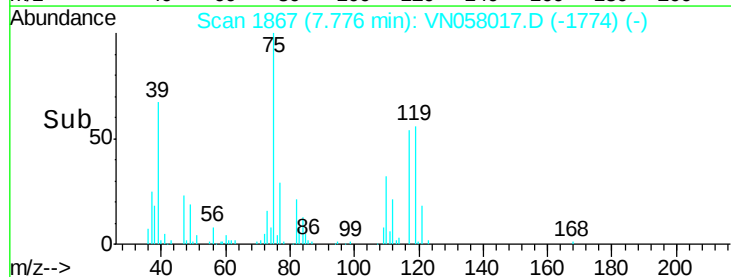
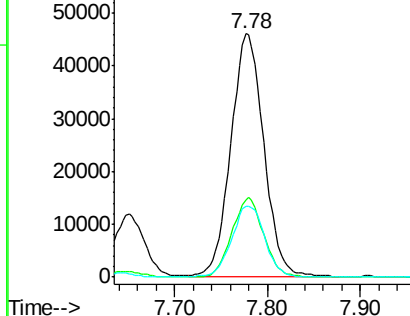
Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	75	Resp:	114197
Ion Ratio	Lower	Upper	
75	100		
110	31.0	16.3	48.9
77	29.2	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





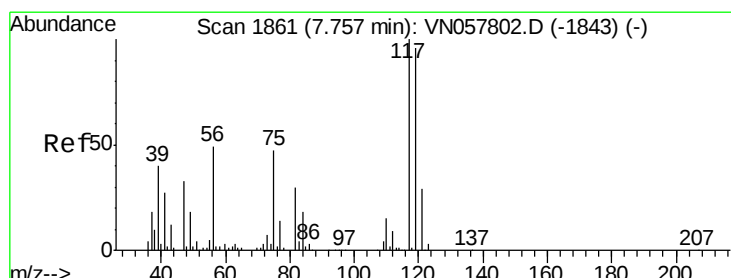
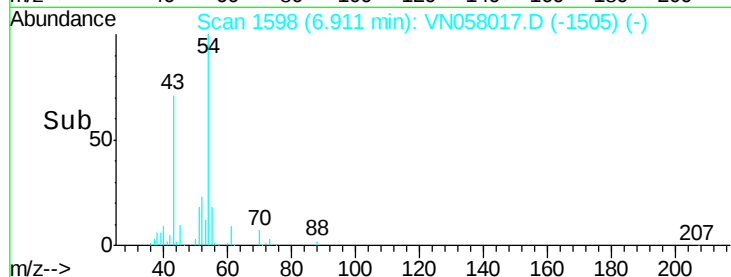
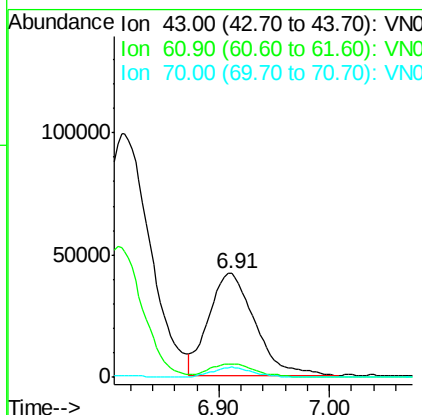
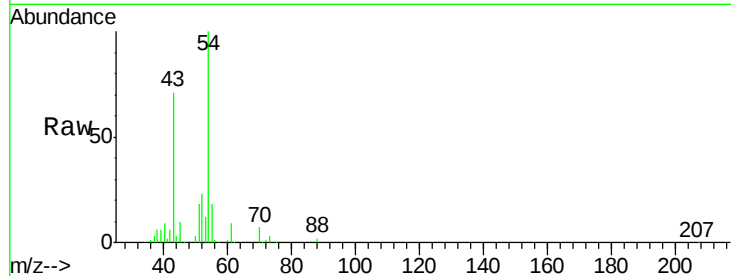
#37
Ethyl Acetate
Concen: 19.182 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.5	15.7
70	8.7	7.4	11.0

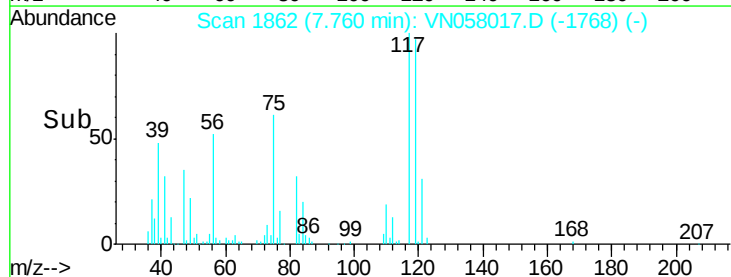
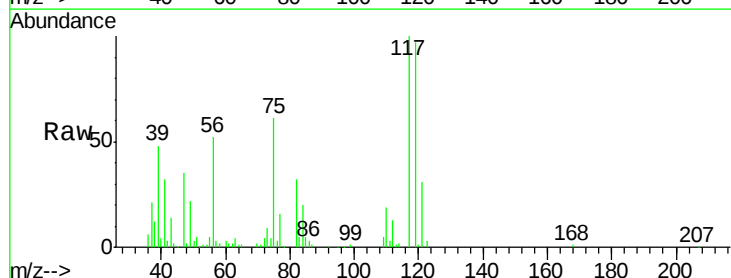
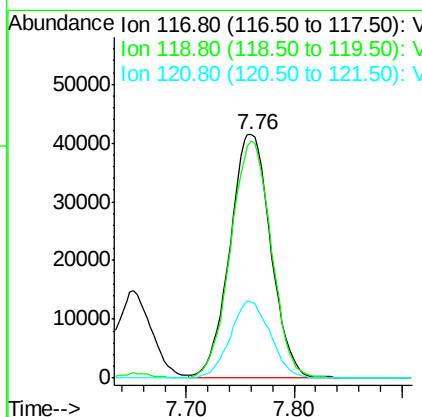
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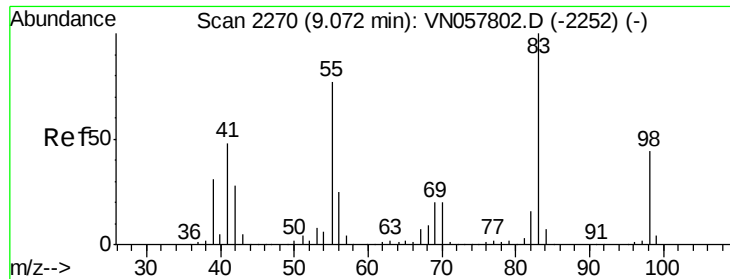
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#38
Carbon Tetrachloride
Concen: 19.341 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.9	115.3
121	31.4	23.4	35.2





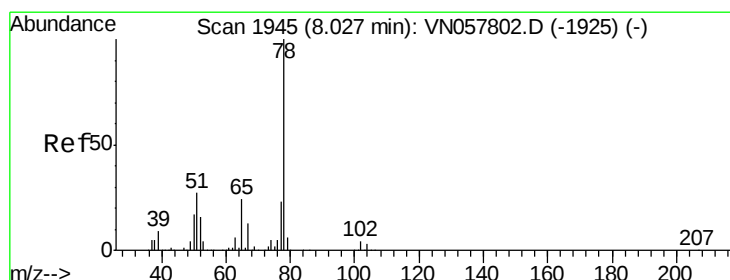
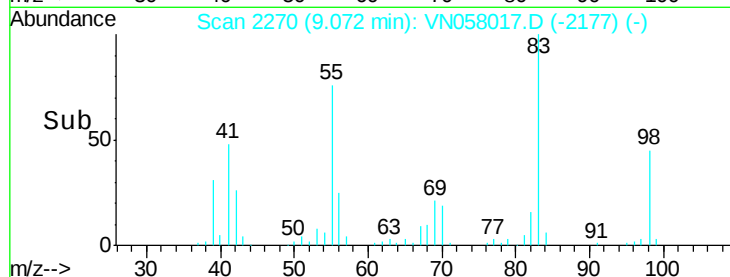
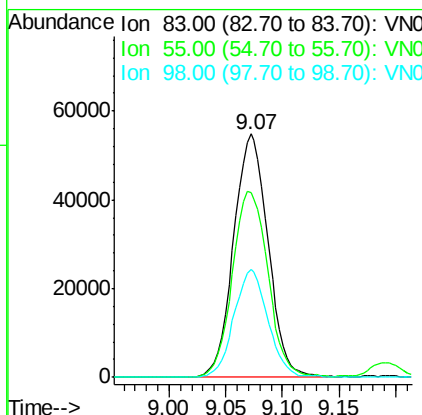
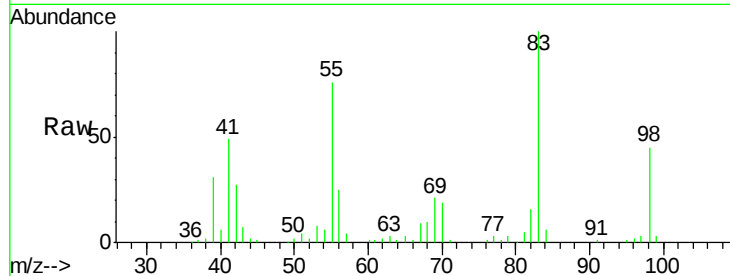
#39
Methvlcvclohexane
Concen: 17.959 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.8	61.6	92.4	
98	44.6	34.9	52.3	

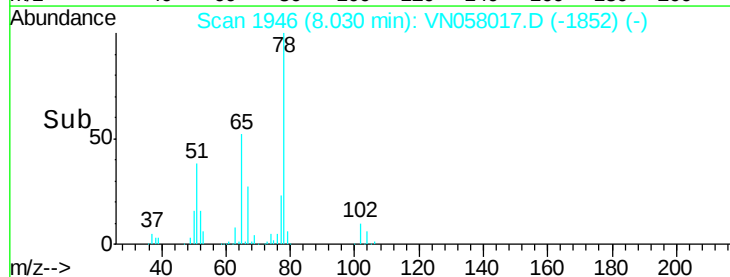
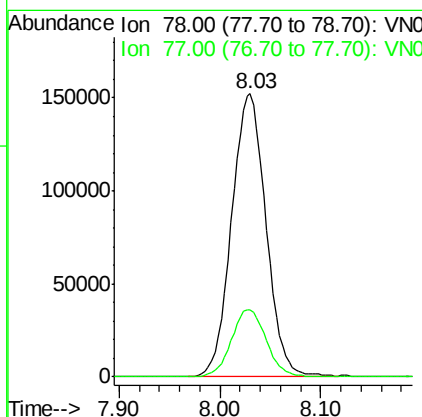
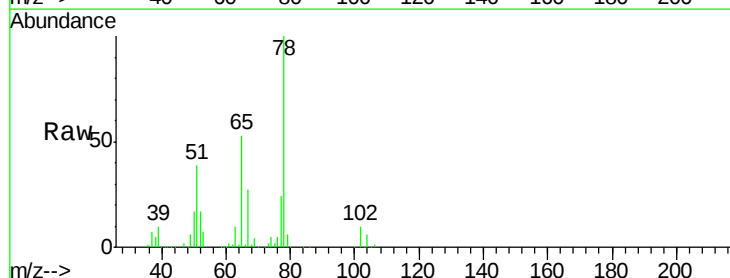
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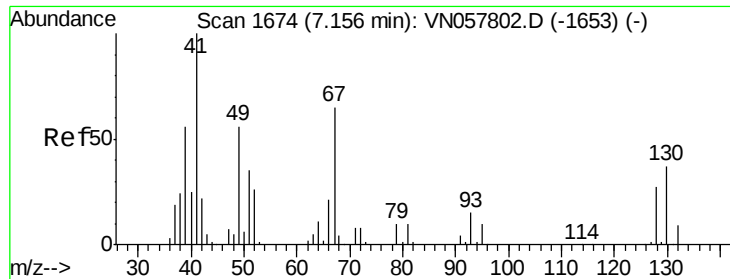
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#40
Benzene
Concen: 19.437 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.3	27.5	





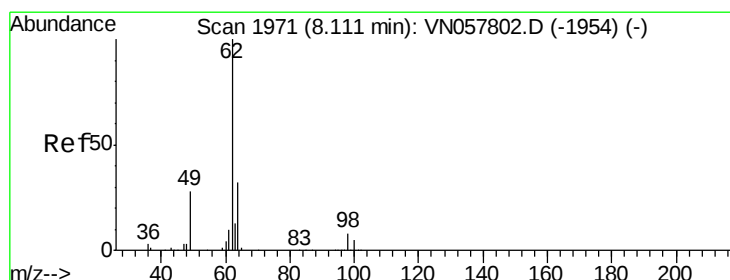
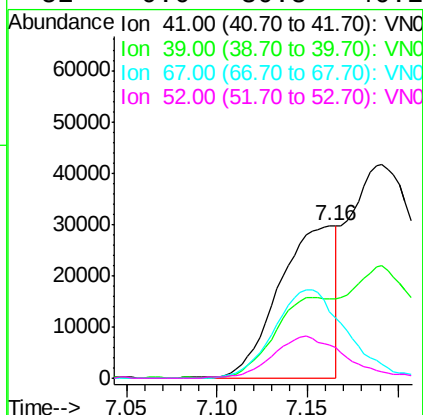
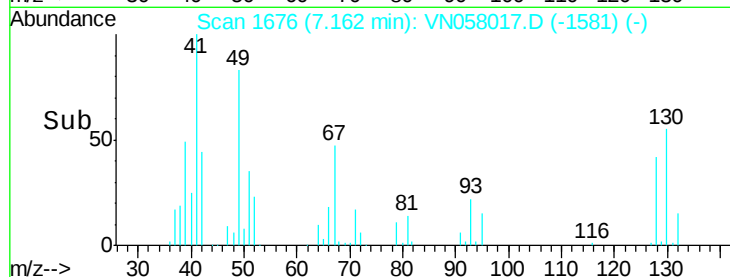
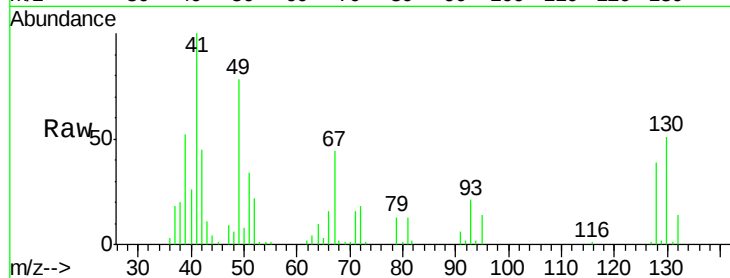
#41
Methacrylonitrile
Concen: 22.284 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

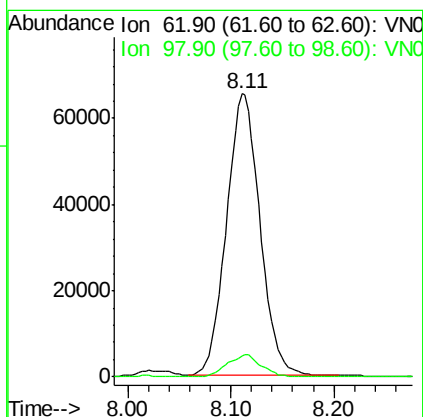
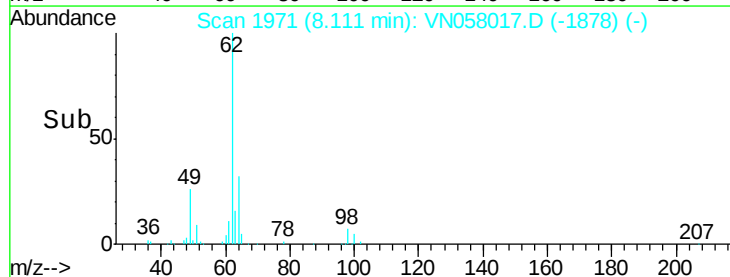
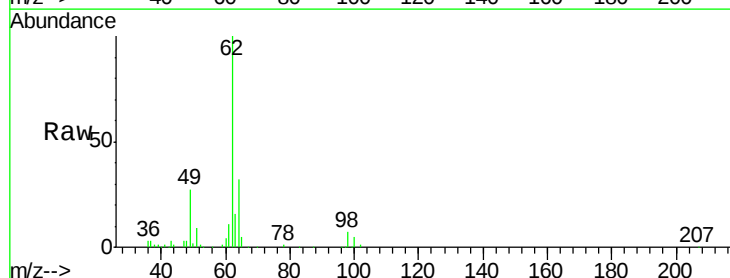
Manual Integrations
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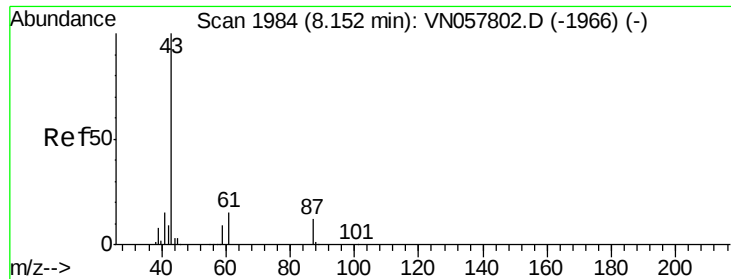
MMDadoda
9/16/2019 2:50:01 PM



#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





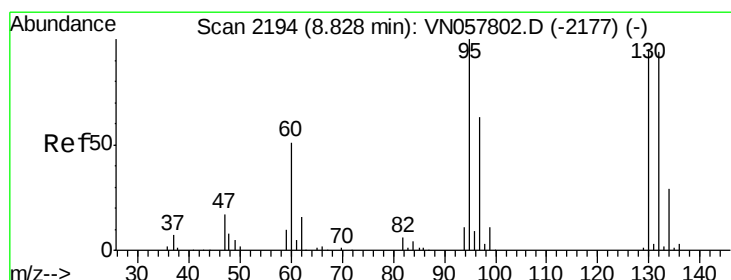
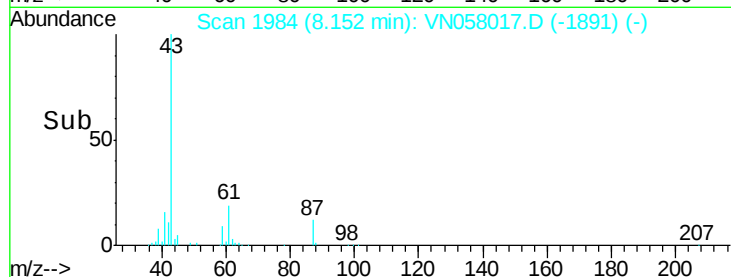
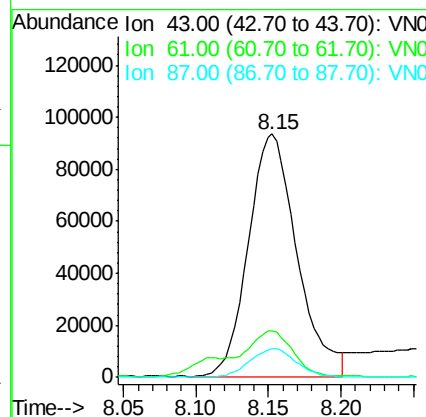
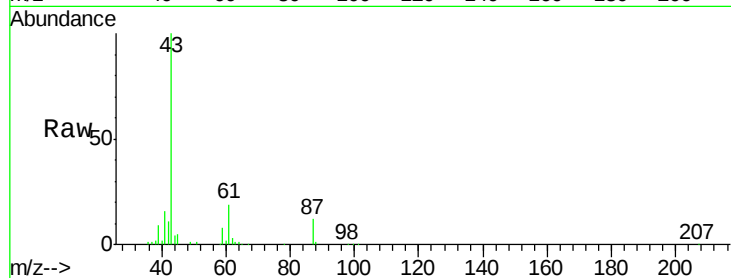
#43
Isopropyl Acetate
Concen: 20.304 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	20.1	30.1#
87	11.6	9.5	14.3

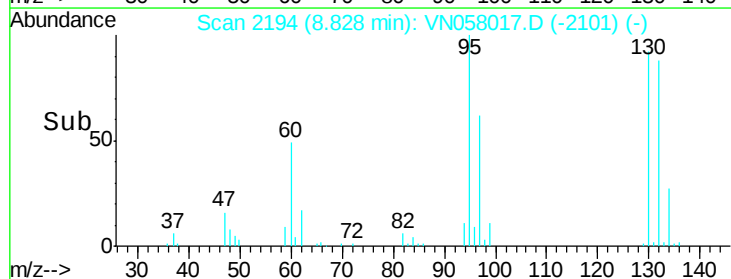
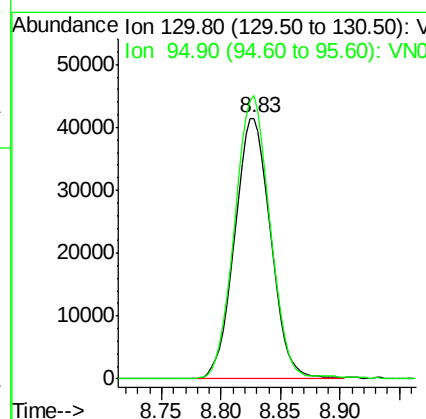
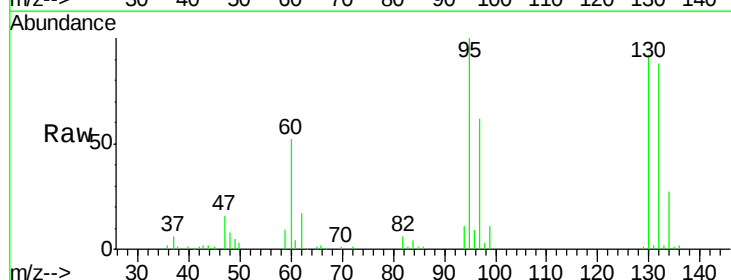
Manual Integrations
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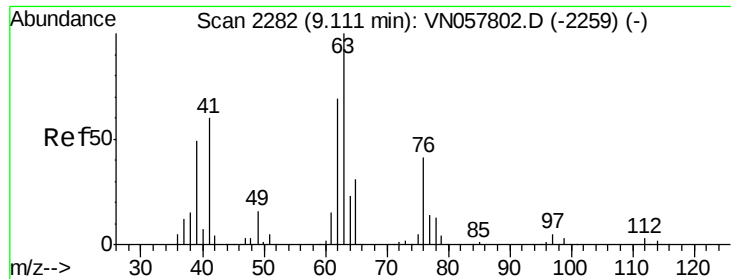
MMDadoda
9/16/2019 2:50:01 PM



#44
Trichloroethene
Concen: 19.044 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	211.4





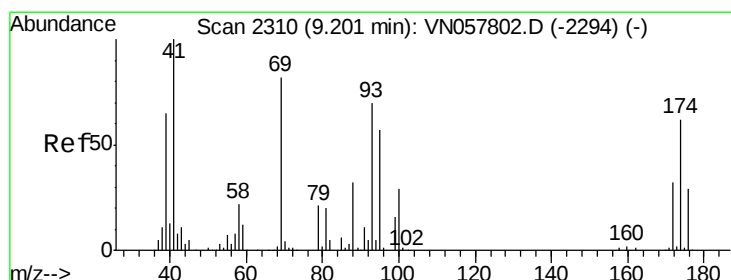
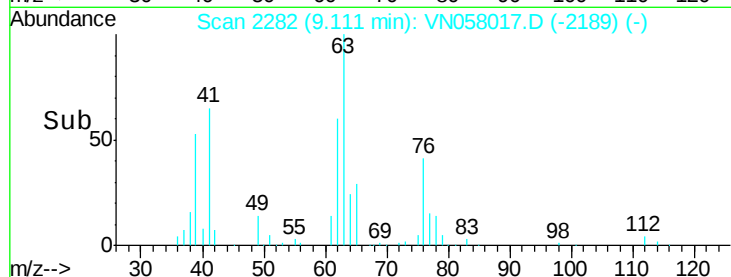
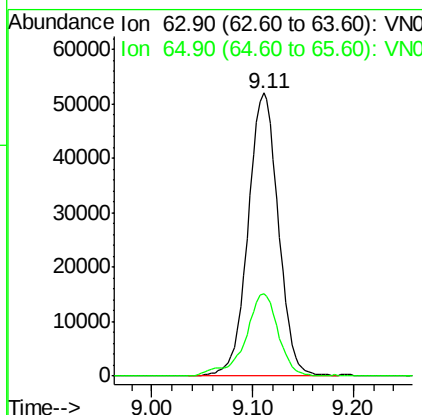
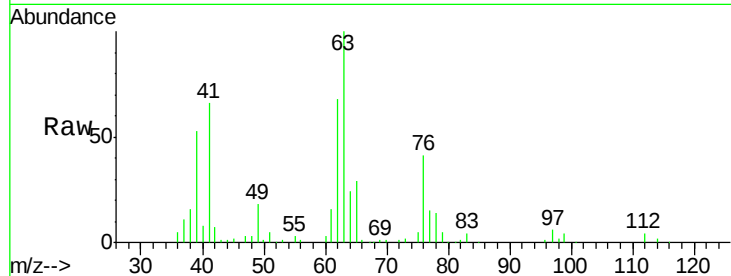
#45
 1,2-Dichloropropane
 Concen: 19.982 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion: 63 Resp: 107891
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.8 37.2

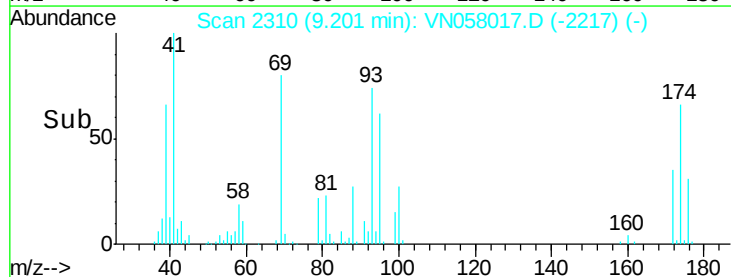
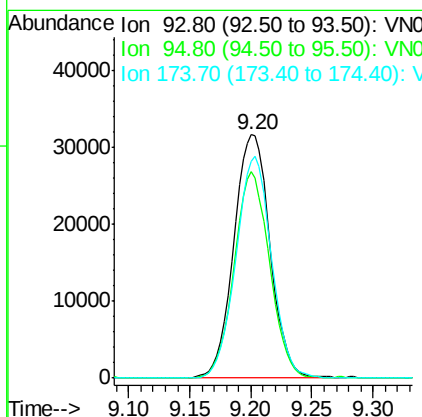
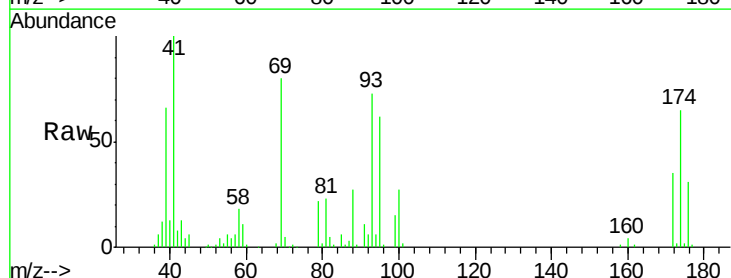
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.966 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 93 Resp: 65144
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 89.0 71.8 107.6





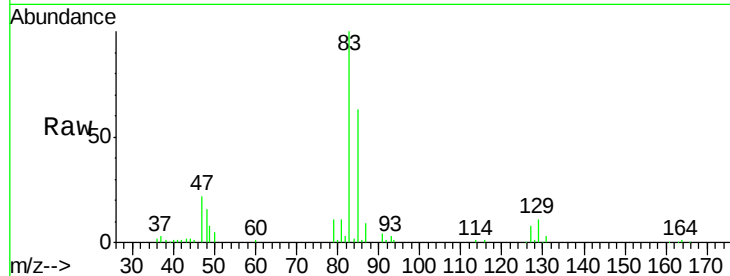
#47
Bromodichloromethane
Concen: 20.079 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

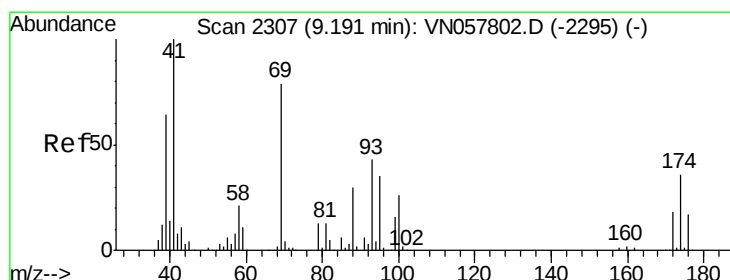
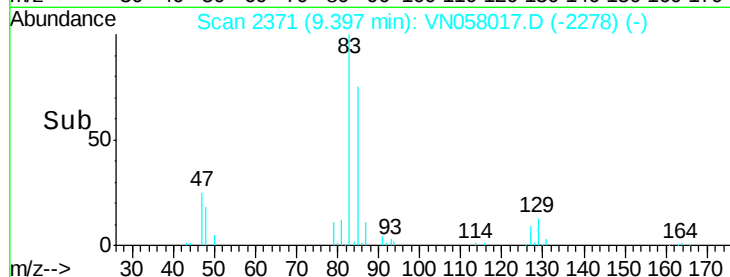
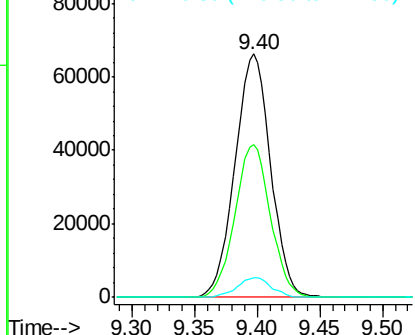
Tot Ion:	83	Resp:	130820
Ion Ratio	Lower	Upper	
83	100		
85	63.0	49.9	74.9
127	8.0	6.5	9.7

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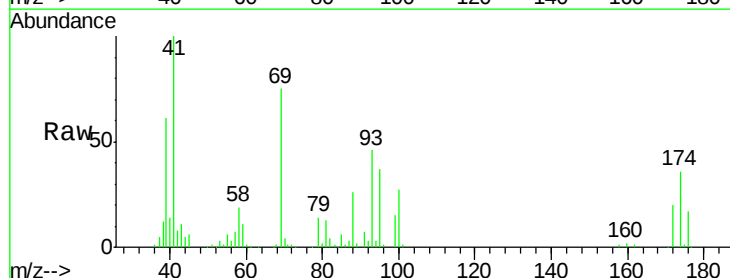


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

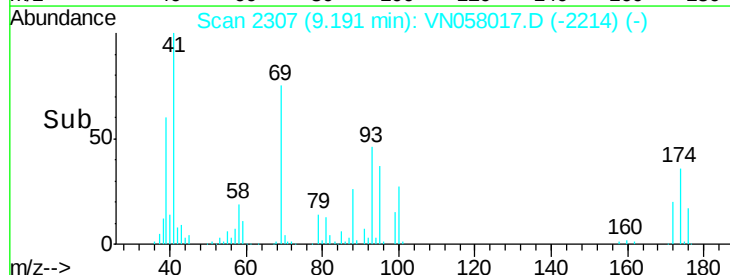
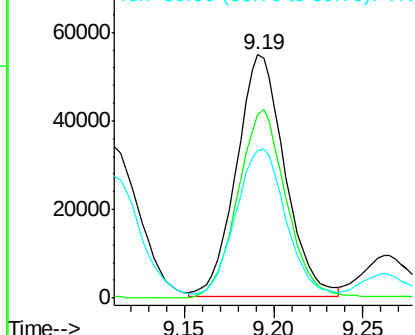


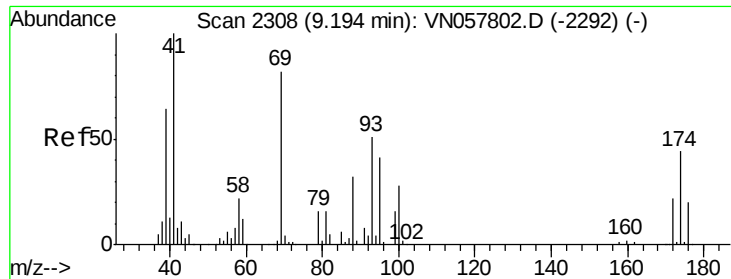
#48
Methyl methacrylate
Concen: 19.034 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:	41	Resp:	103392
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.7	94.1
39	64.1	52.7	79.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





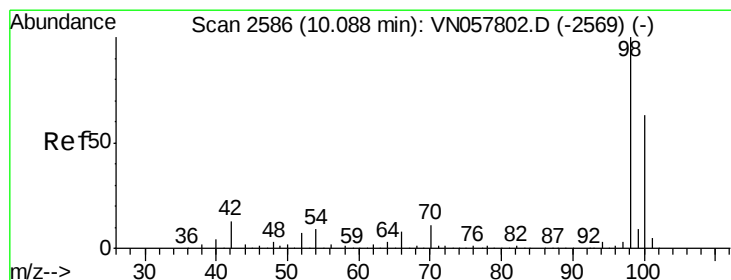
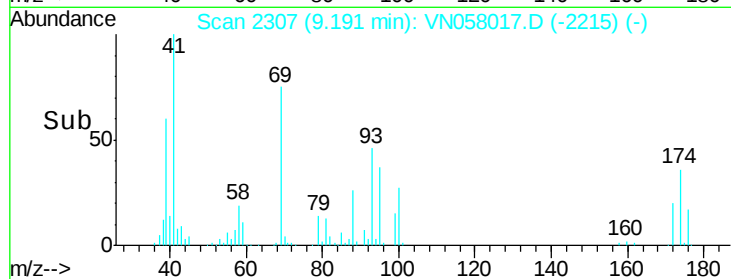
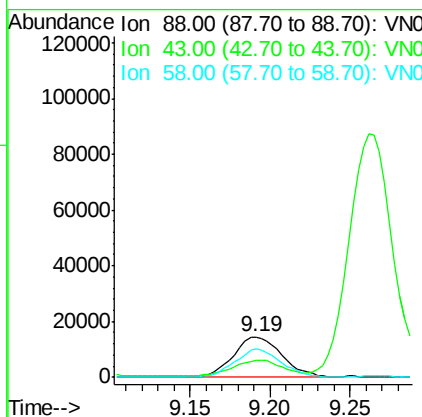
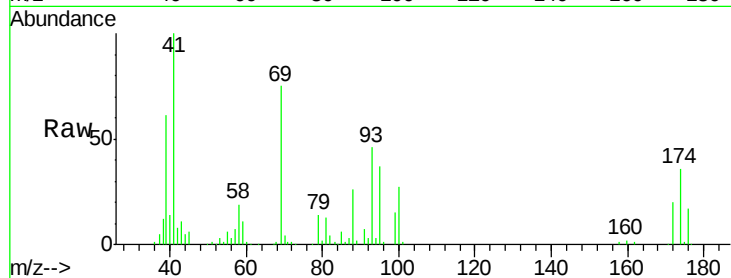
#49
1,4-Dioxane
Concen: 330.425 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.5	42.7
58	67.0	55.8	83.6

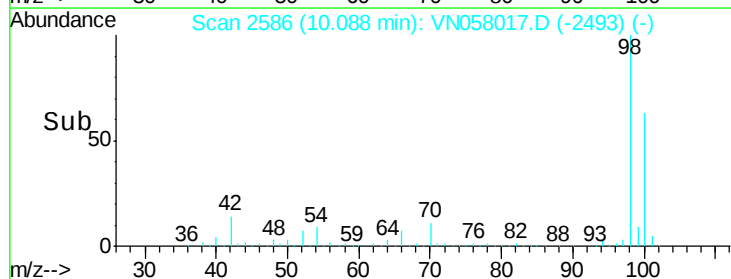
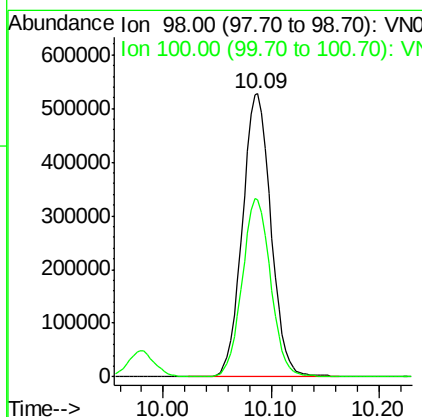
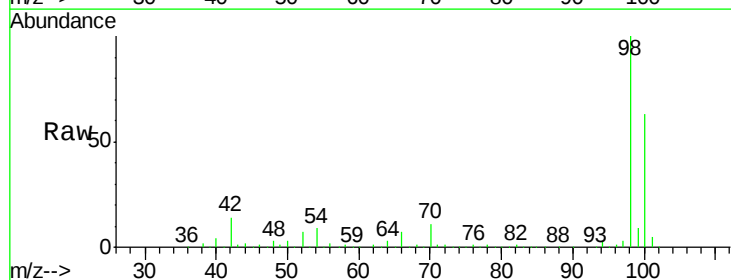
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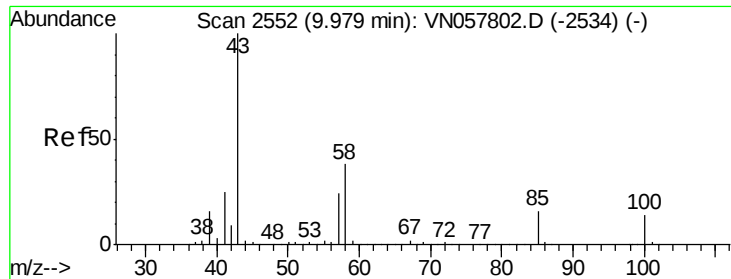
MMDadoda
9/16/2019 2:50:01 PM



#50
Toluene-d8
Concen: 51.034 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 101.952 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 43 Resp: 646064

Ion Ratio Lower Upper

43 100

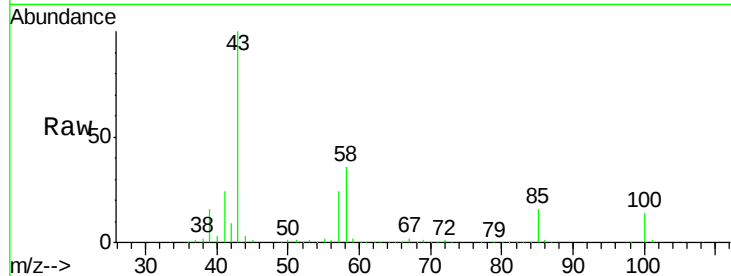
58 37.3 29.8 44.6

Manual Integrations

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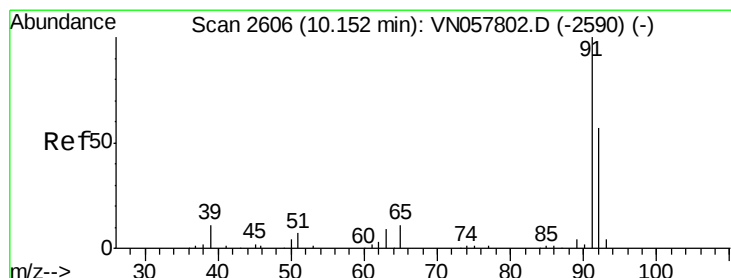
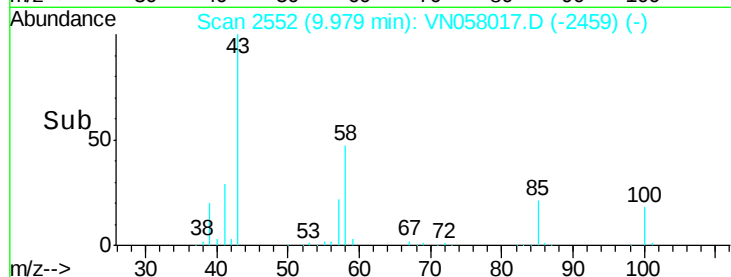
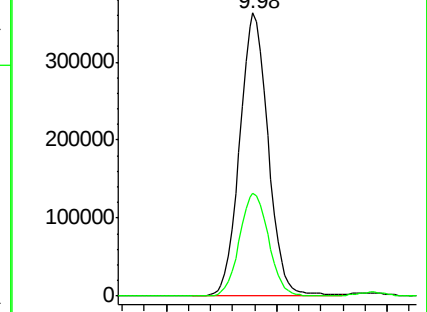
MMDadoda

9/16/2019 2:50:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.481 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058017.D

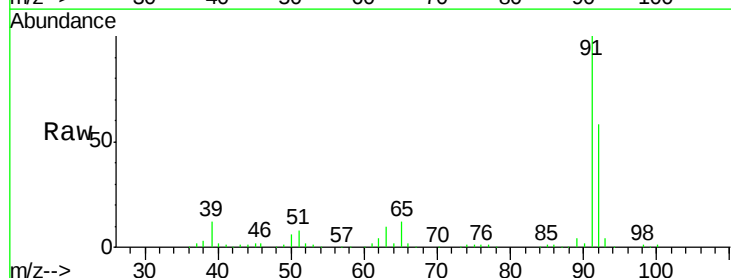
Acq: 13 Sep 2019 14:36

Tgt Ion: 92 Resp: 227675

Ion Ratio Lower Upper

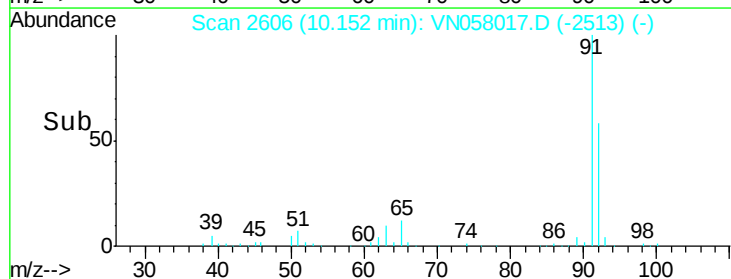
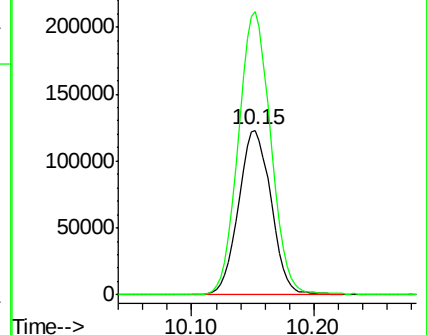
92 100

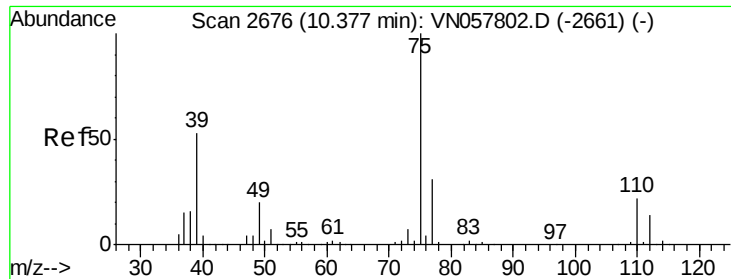
91 172.0 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





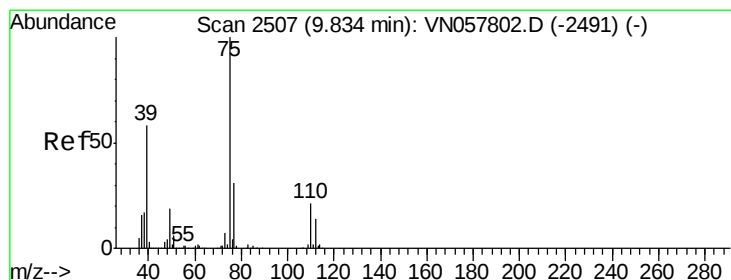
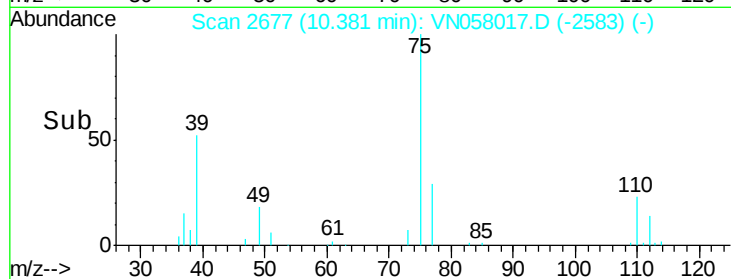
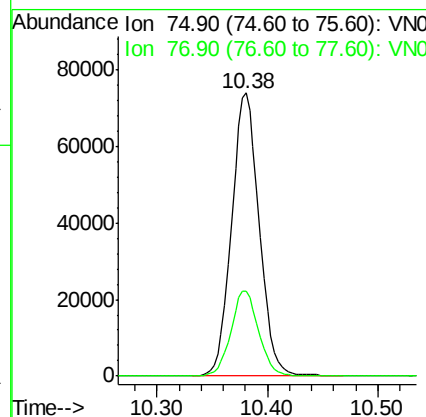
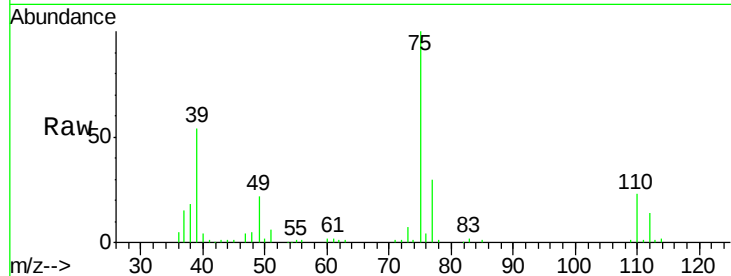
#53
 t-1,3-Dichloropropene
 Concen: 18.693 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion: 75 Resp: 128255
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.5 36.7

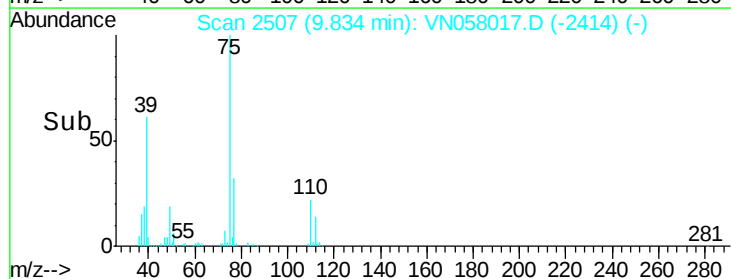
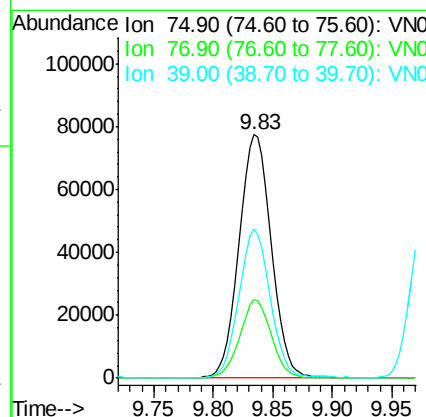
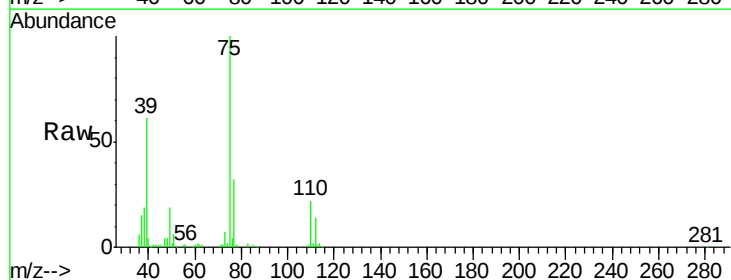
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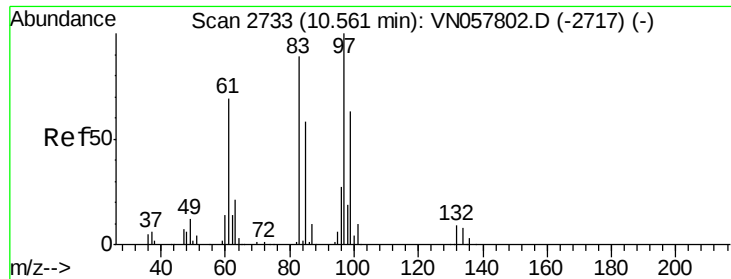
MMDadoda
 9/16/2019 2:50:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.259 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 75 Resp: 145889
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 61.0 46.2 69.4





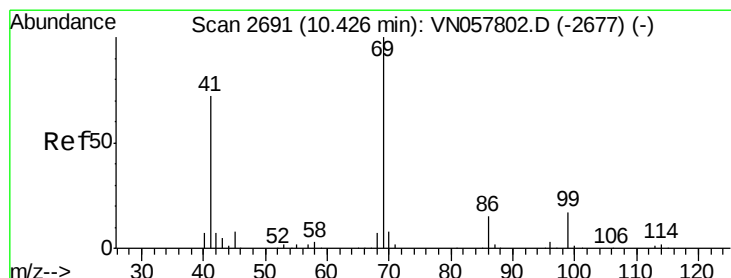
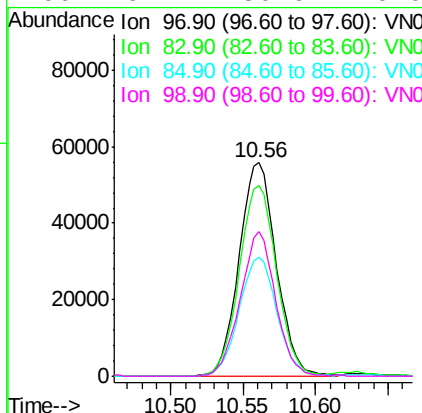
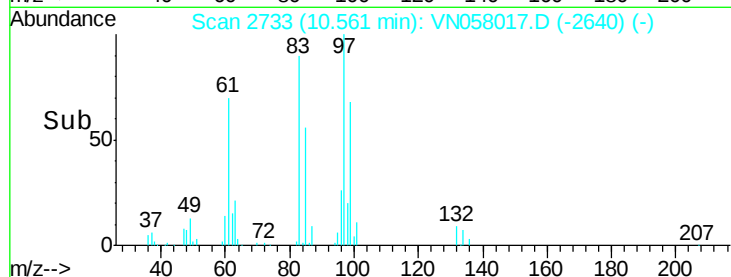
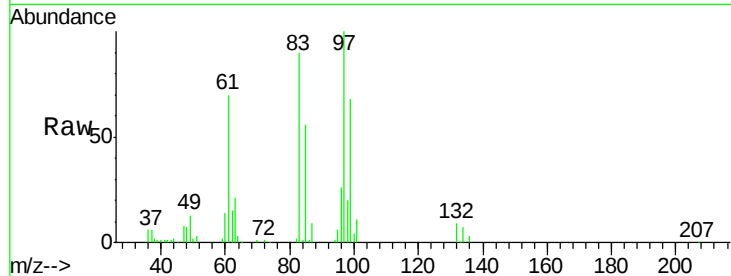
#55
 1,1,2-Trichloroethane
 Concen: 20.122 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion:	97	Resp:	99614
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.8	106.2
85	55.8	46.0	69.0
99	67.7	50.6	76.0

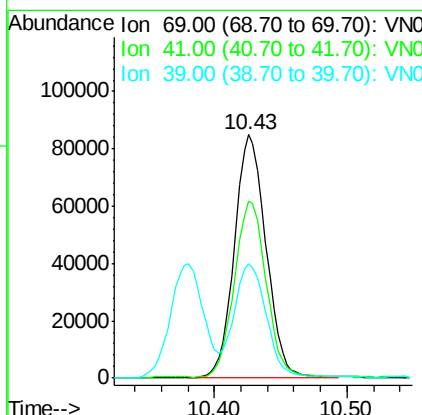
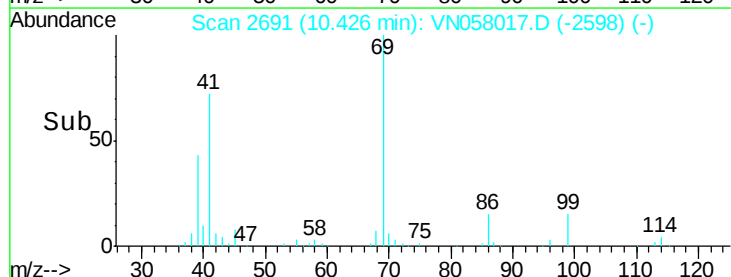
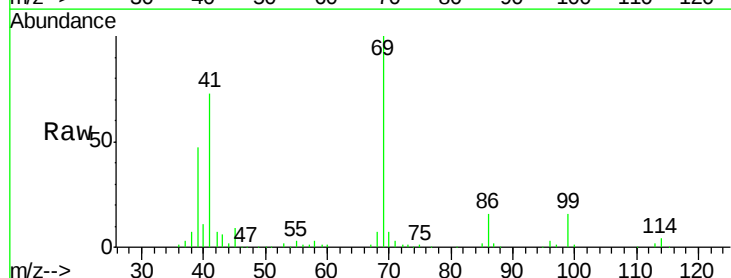
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.975 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion:	69	Resp:	141454
Ion	Ratio	Lower	Upper
69	100		
41	72.5	56.7	85.1
39	46.3	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.668 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 76 Resp: 167792

Ion Ratio Lower Upper

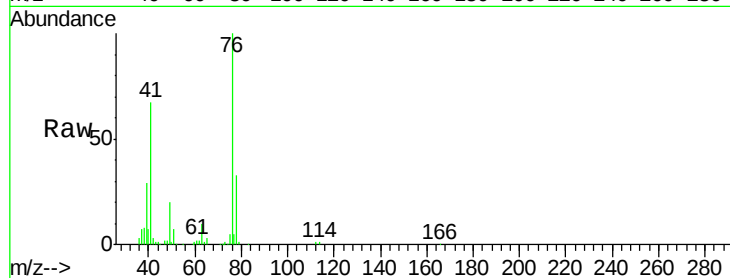
76 100

78 32.6 25.4 38.2

Manual Integrations
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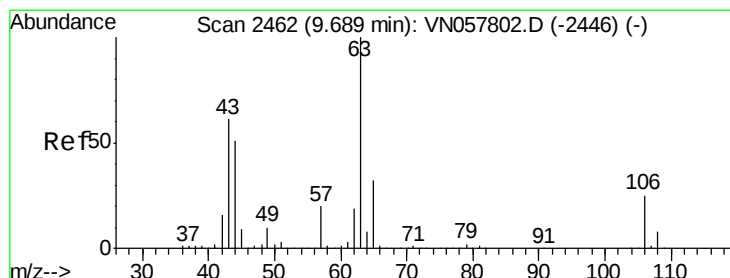
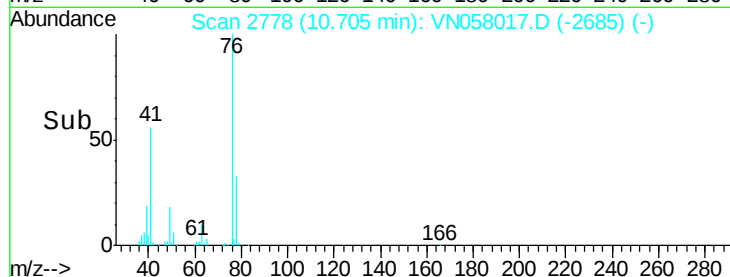
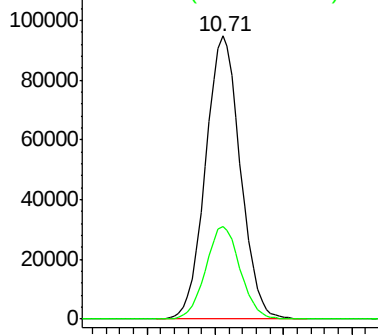
MMDadoda

9/16/2019 2:50:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.971 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058017.D

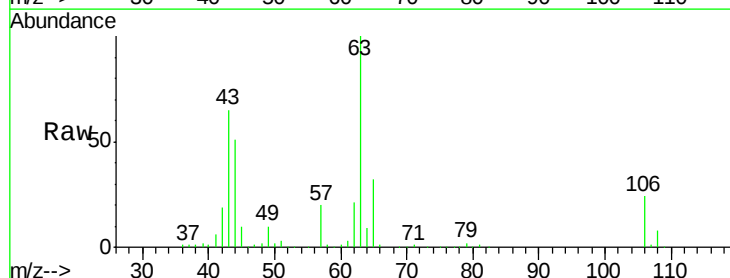
Acq: 13 Sep 2019 14:36

Tgt Ion: 63 Resp: 315901

Ion Ratio Lower Upper

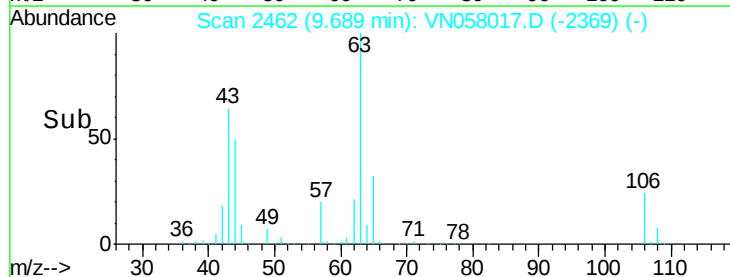
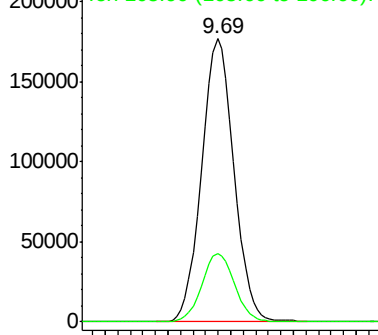
63 100

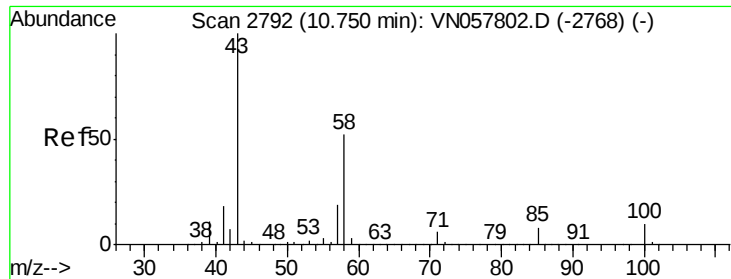
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





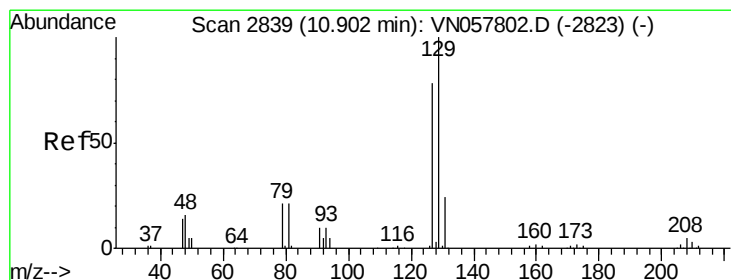
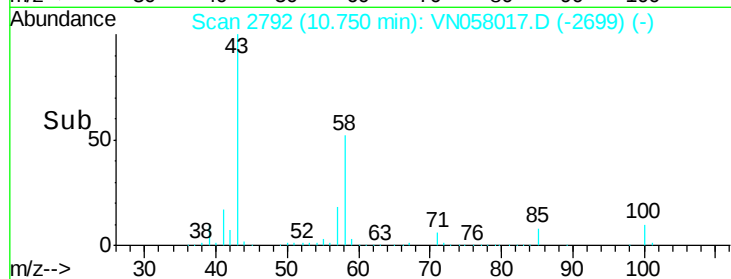
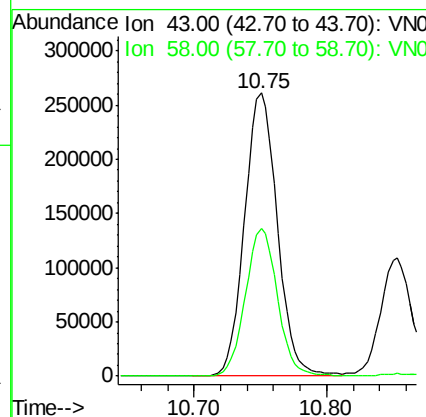
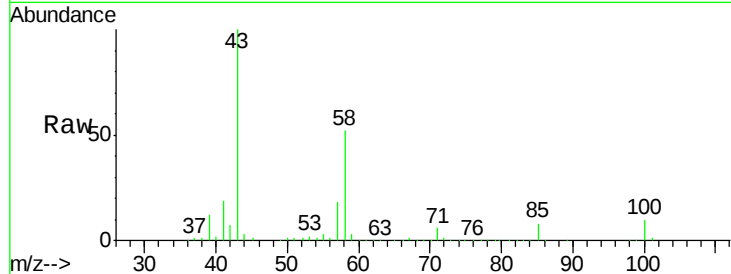
#59
 2-Hexanone
 Concen: 94.005 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion: 43 Resp: 446505
 Ion Ratio Lower Upper
 43 100
 58 51.3 25.6 76.8

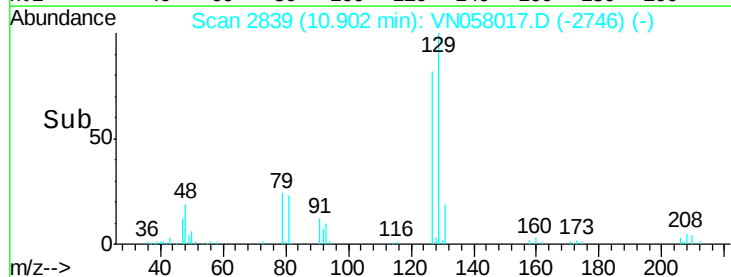
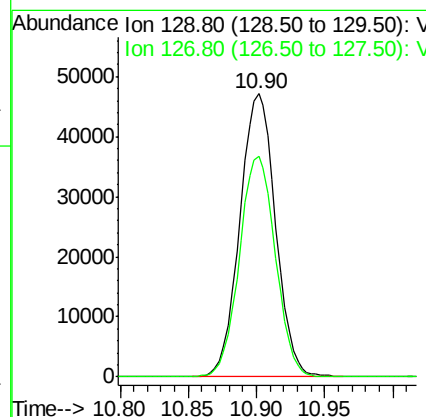
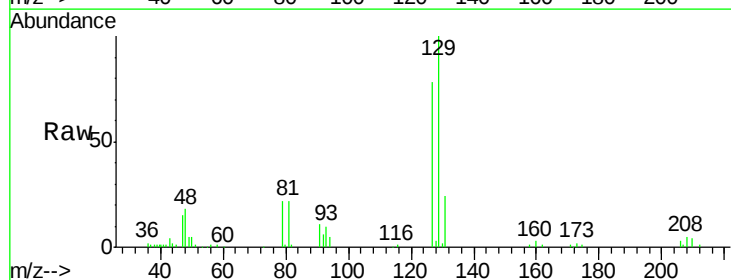
Manual Integrations
 APPROVED

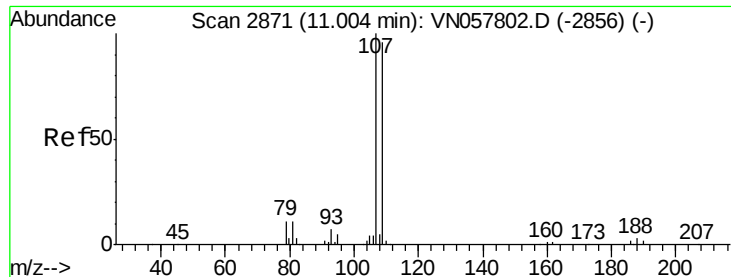
MMDadoda
 9/16/2019 2:50:01 PM



#60
 Dibromochloromethane
 Concen: 18.650 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion: 129 Resp: 85734
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.164 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion:107 Resp: 89692

Ion Ratio Lower Upper

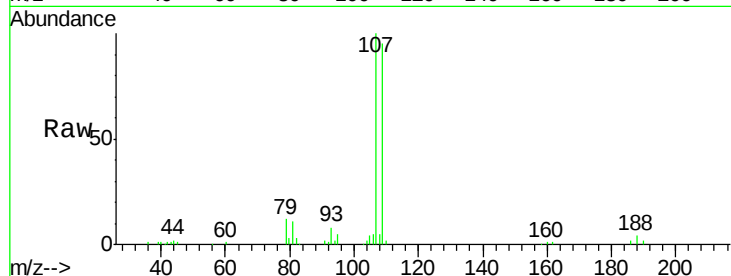
107 100

109 95.5 75.3 112.9

Manual Integrations
APPROVED

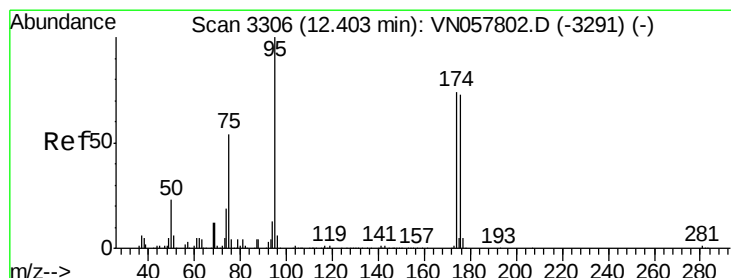
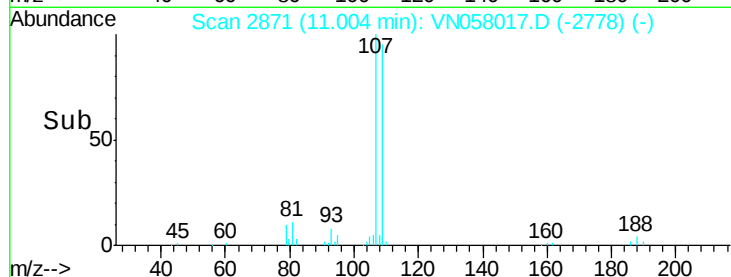
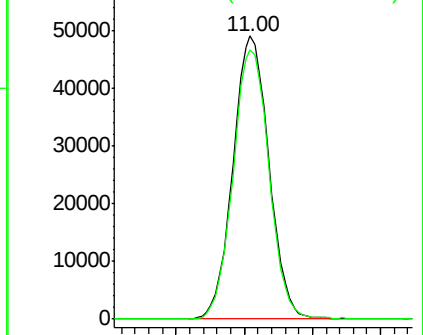
MMDadoda

9/16/2019 2:50:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.376 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

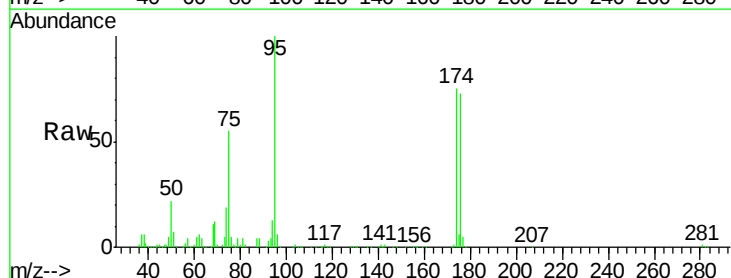
Tgt Ion: 95 Resp: 336562

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

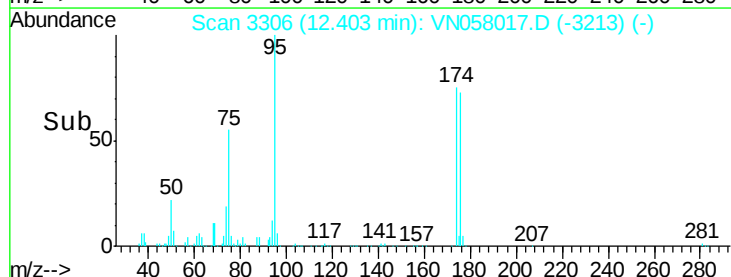
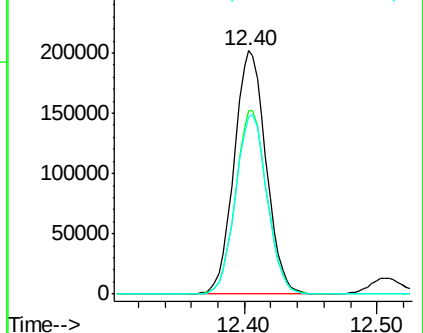
176 73.2 0.0 146.0

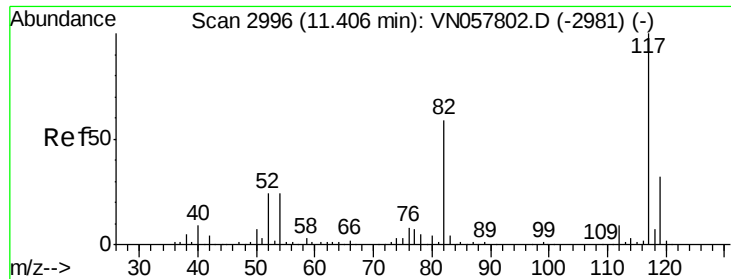


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





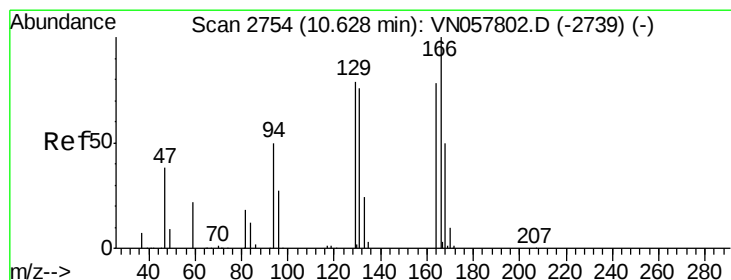
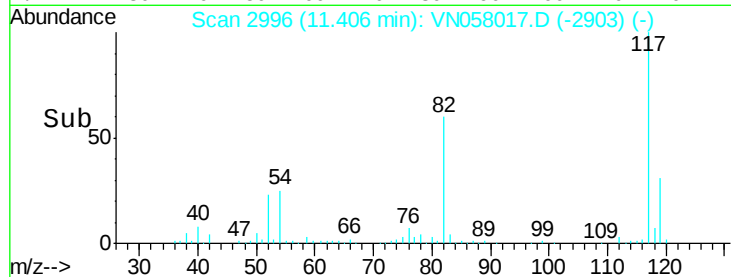
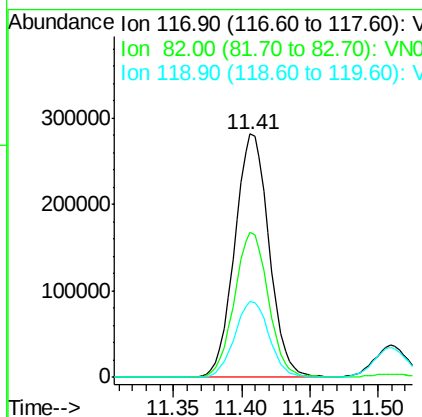
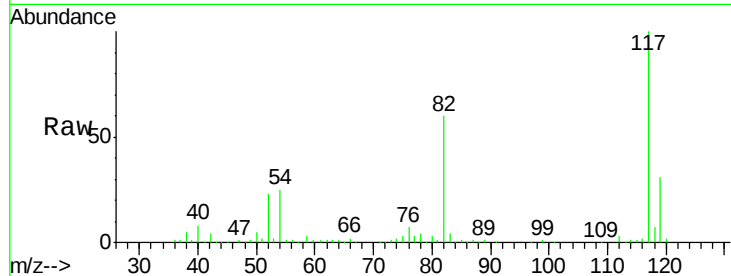
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.2	70.8
119	31.0	25.3	37.9

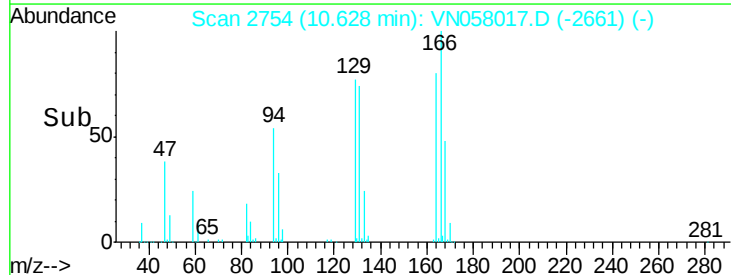
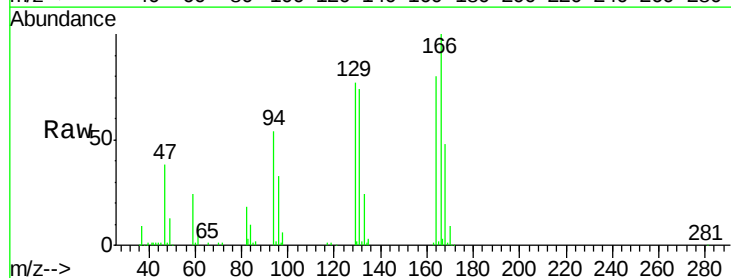
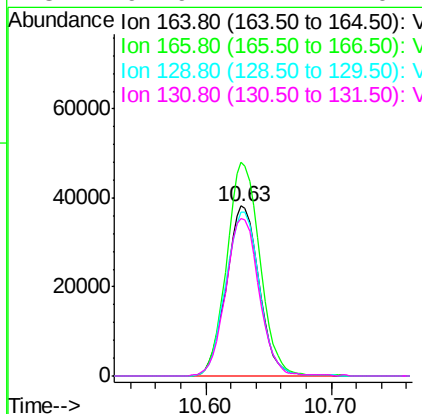
Manual Integrations
APPROVED

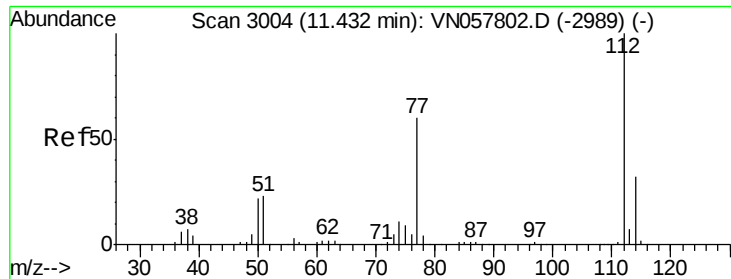
MMDadoda
9/16/2019 2:50:01 PM



#64
Tetrachloroethene
Concen: 19.151 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.2	153.2
129	96.2	80.8	121.2
131	92.9	77.4	116.2





#65

Chlorobenzene

Concen: 19.404 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion:112 Resp: 250136

Ion Ratio Lower Upper

112 100

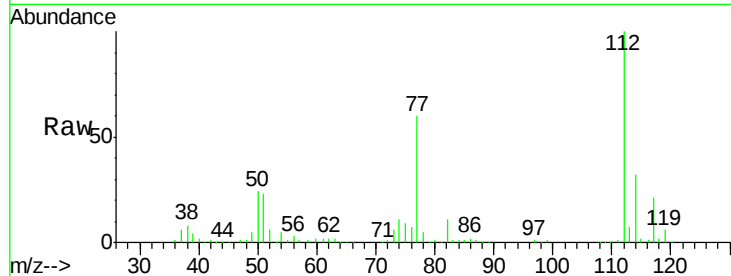
114 31.9 25.2 37.8

Manual Integrations

APPROVED

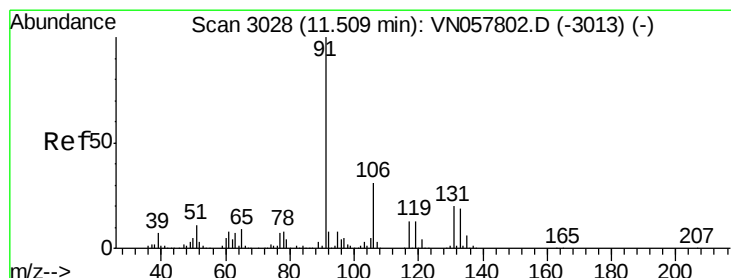
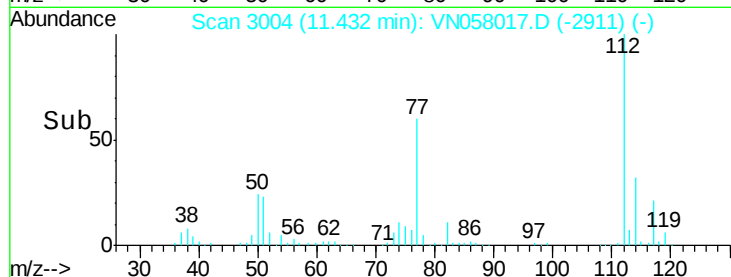
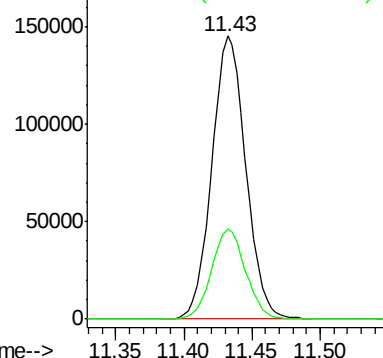
MMDadoda

9/16/2019 2:50:01 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

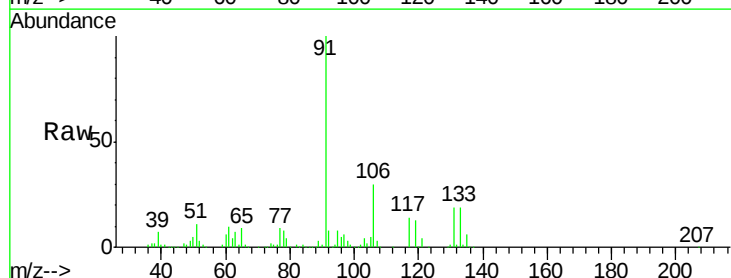
Tgt Ion:131 Resp: 88287

Ion Ratio Lower Upper

131 100

133 96.9 47.1 141.3

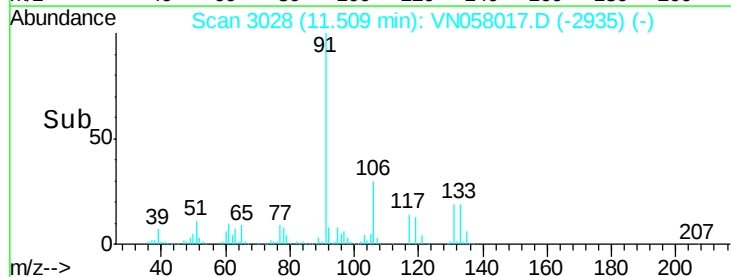
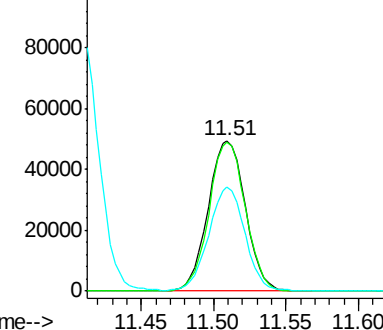
119 67.2 33.3 99.8

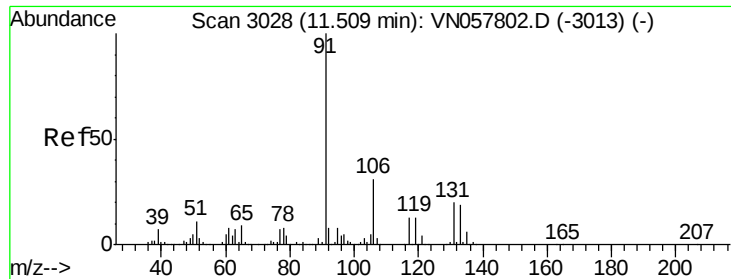


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





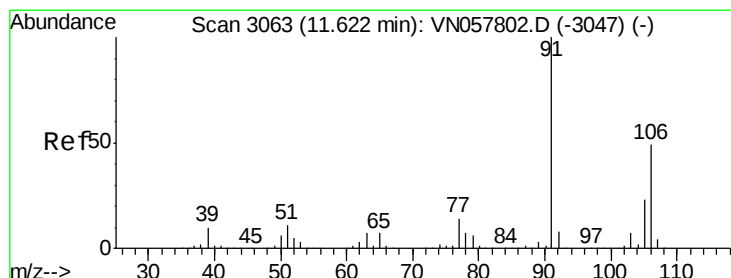
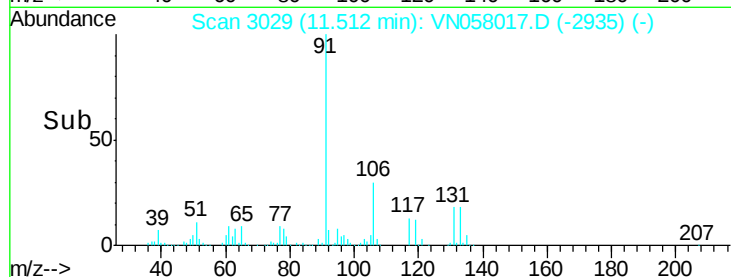
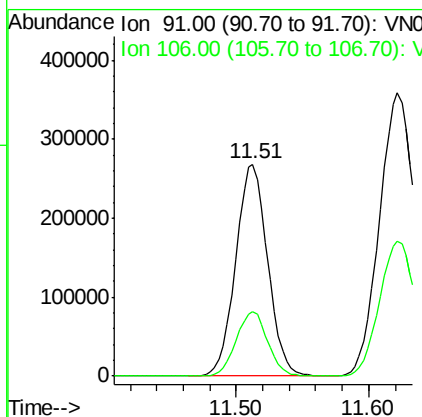
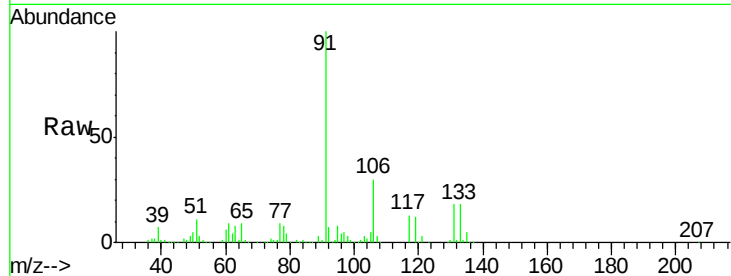
#67
Ethyl Benzene
Concen: 19.834 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion: 91 Resp: 448088
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

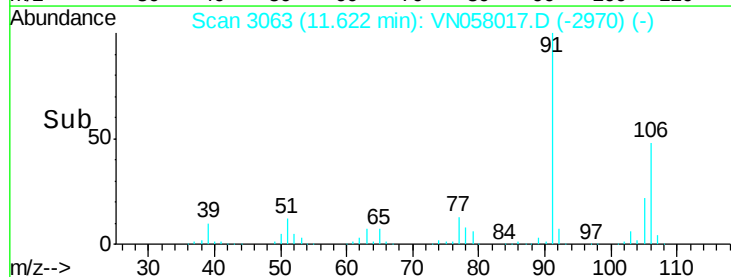
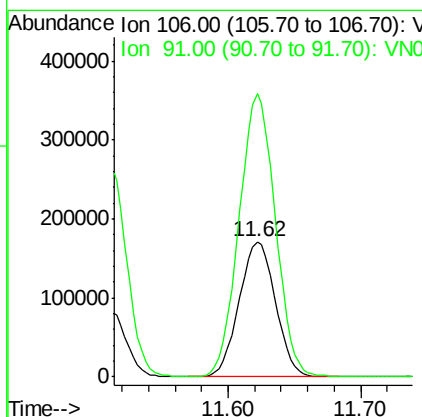
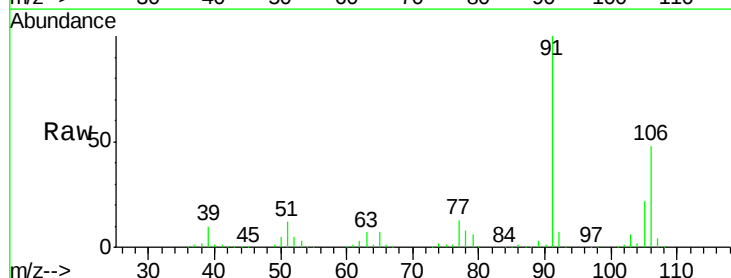
Manual Integrations
APPROVED

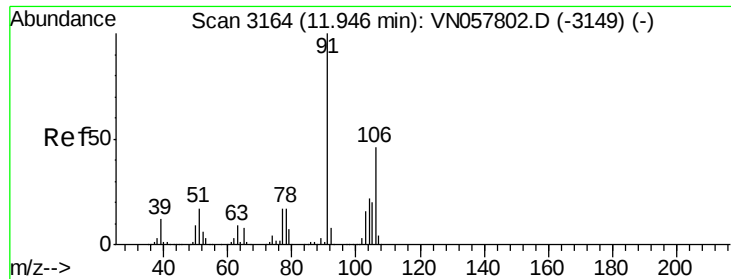
MMDadoda
9/16/2019 2:50:01 PM



#68
m/p-Xylenes
Concen: 39.349 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion: 106 Resp: 325636
Ion Ratio Lower Upper
106 100
91 209.3 165.8 248.6





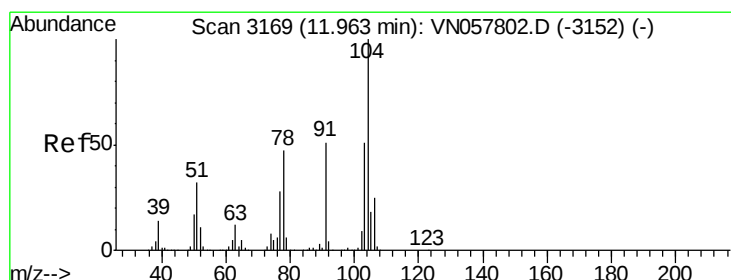
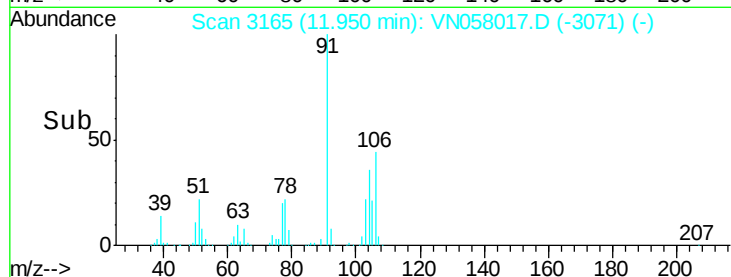
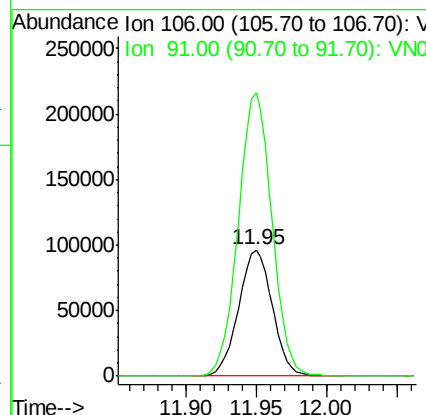
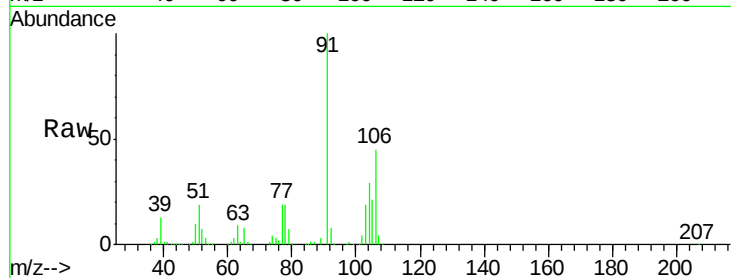
#69
o-Xylene
Concen: 19.650 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleID :
VN0914WBSD02

Tot Ion:106 Resp: 161666
Ion Ratio Lower Upper
106 100
91 223.5 108.7 326.1

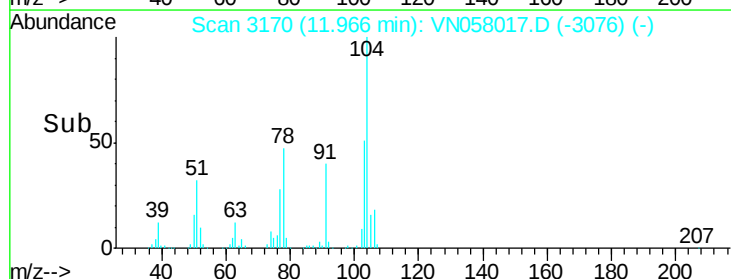
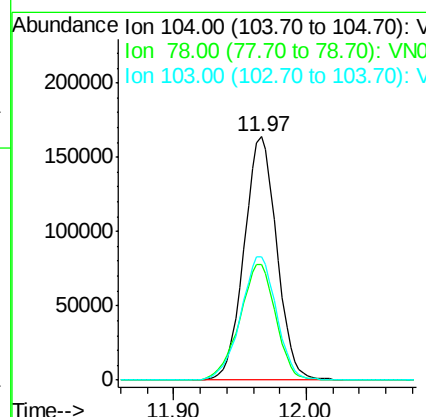
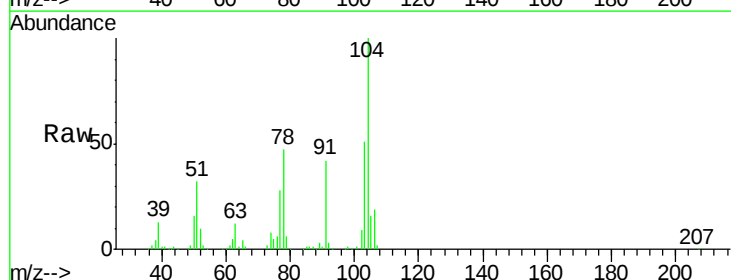
Manual Integrations
APPROVED

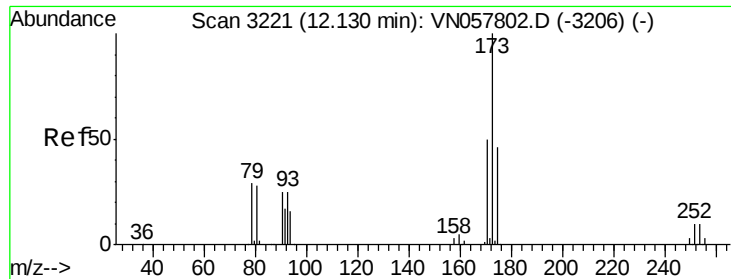
MMDadoda
9/16/2019 2:50:01 PM



#70
Styrene
Concen: 19.815 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion:104 Resp: 280562
Ion Ratio Lower Upper
104 100
78 52.6 41.3 61.9
103 55.5 43.7 65.5





#71

Bromoform

Concen: 17.972 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

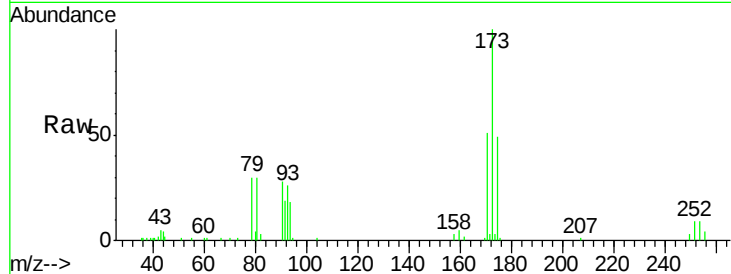
ClientSampleId :

VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:50:01 PM

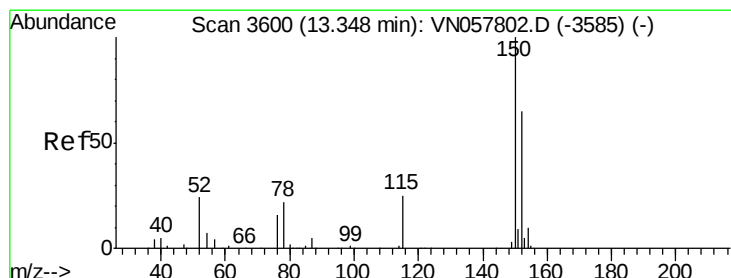
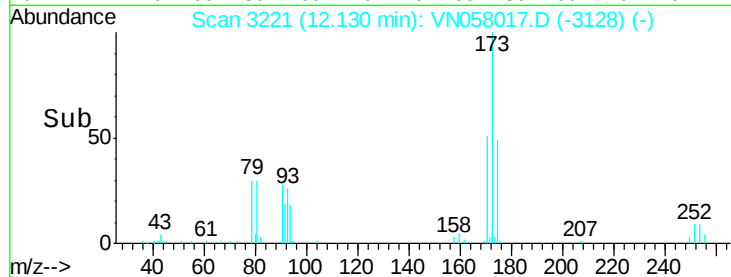
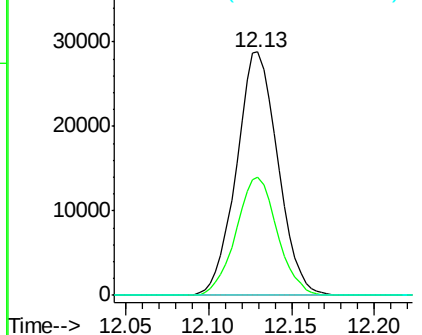


Abundance

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# 3600

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

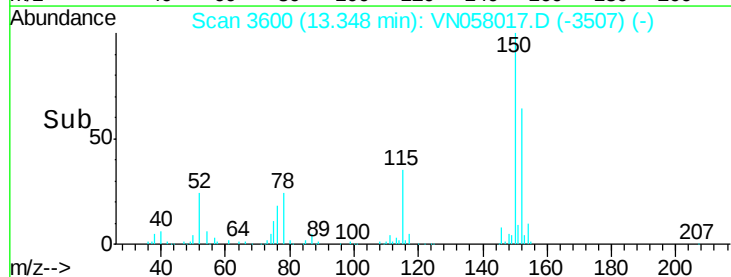
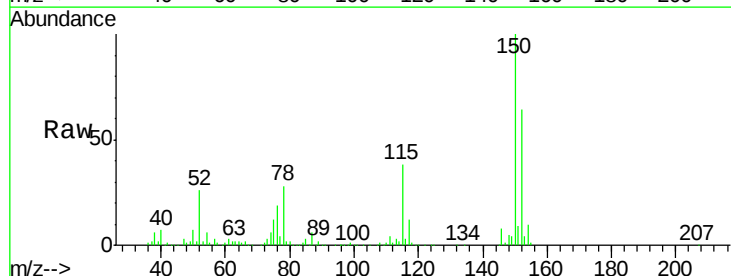
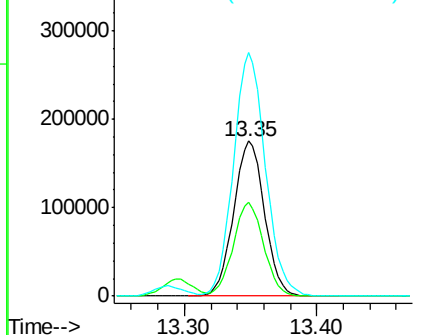
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.3	91.0
150	163.0	0.0	352.4

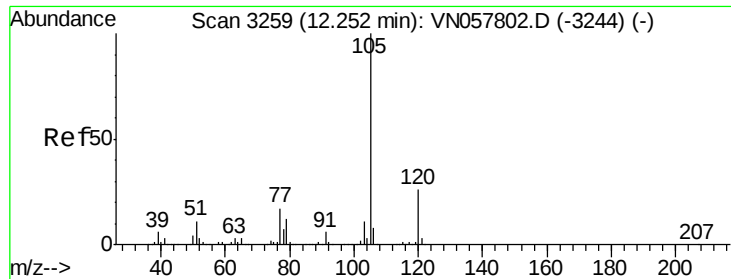
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.675 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 105 Resp: 452863

Ion Ratio Lower Upper

105 100

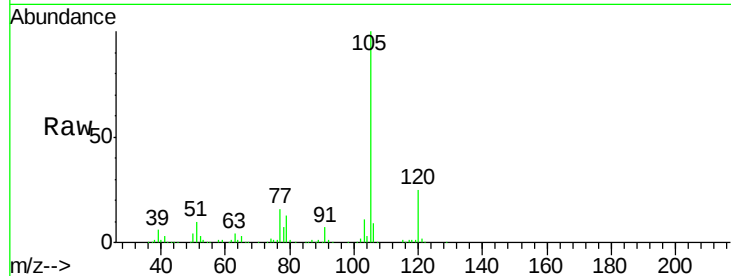
120 25.5 12.8 38.4

Manual Integrations

APPROVED

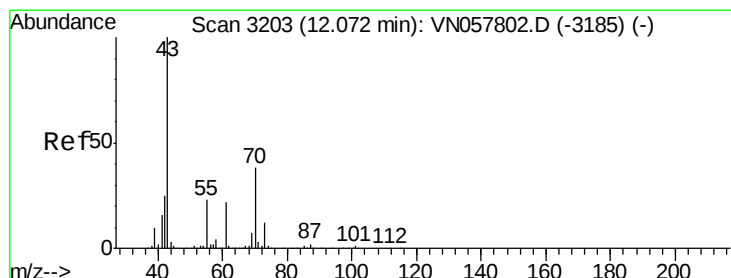
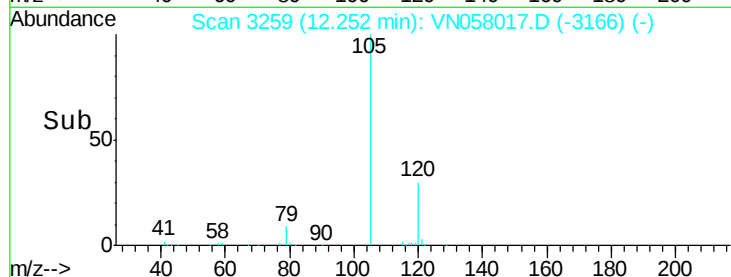
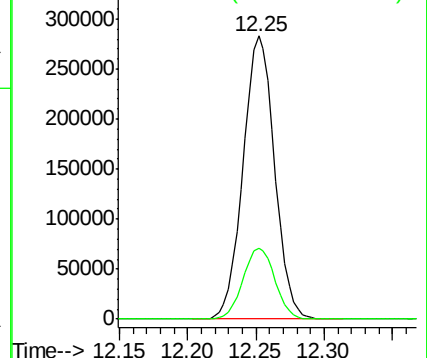
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.011 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion: 43 Resp: 181227

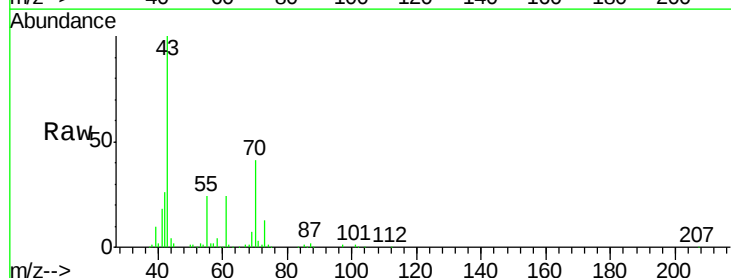
Ion Ratio Lower Upper

43 100

70 40.5 30.6 45.8

55 25.4 18.6 27.8

61 22.6 17.4 26.2

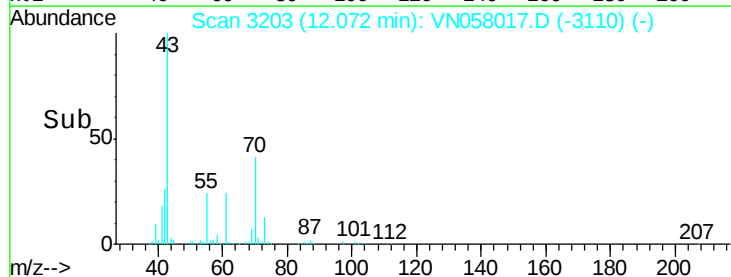
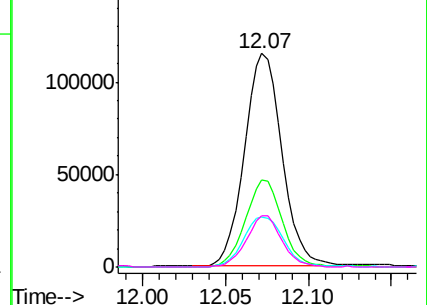


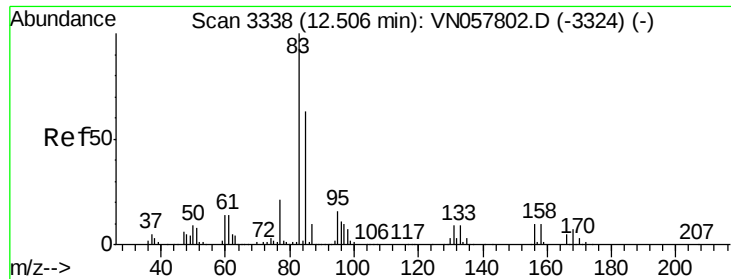
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.695 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

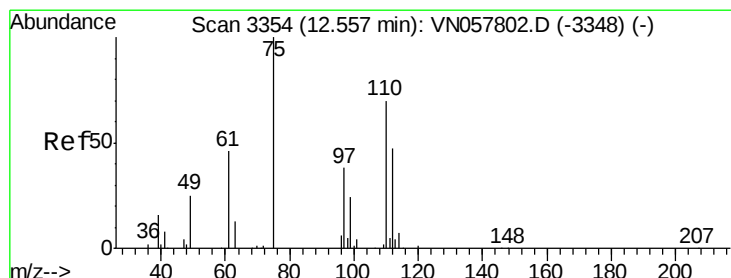
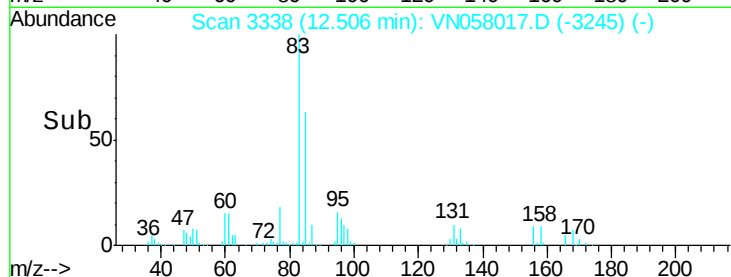
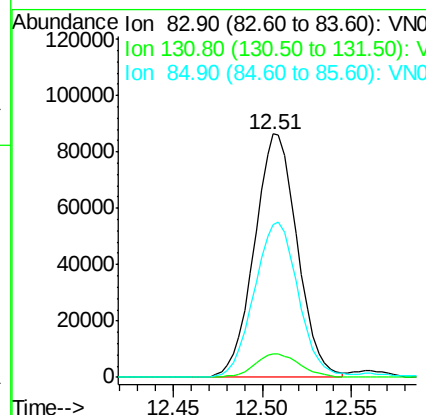
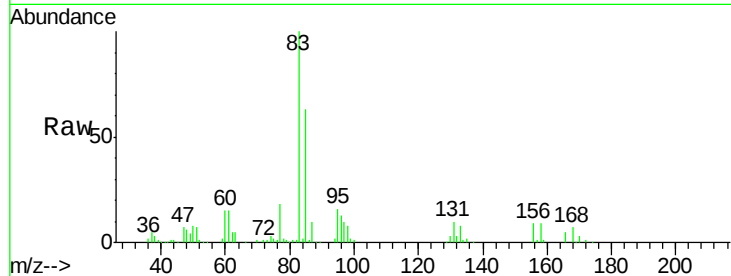
ClientSampleId :

VN0914WBSD02

Tot Ion:	83	Resp:	145253
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.8	14.3
85	65.4	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.753 ug/l m

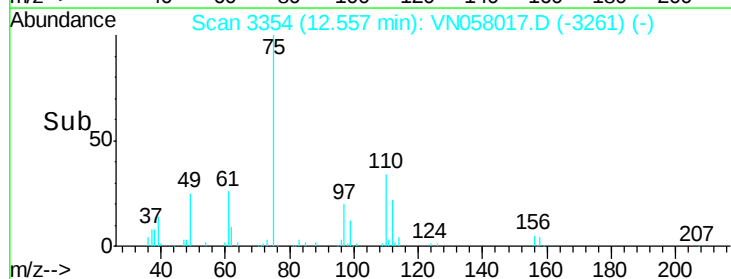
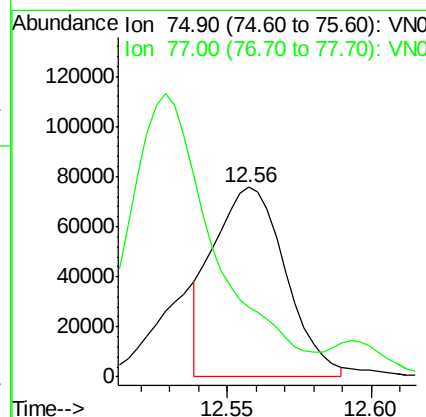
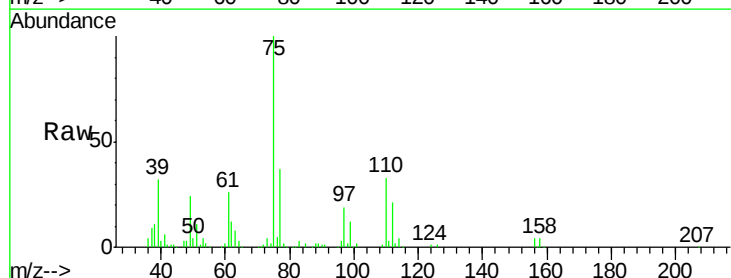
RT: 12.56 min Scan# 3354

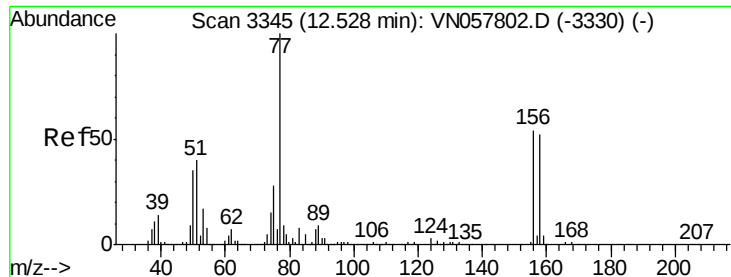
Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	75	Resp:	132522
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.178 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

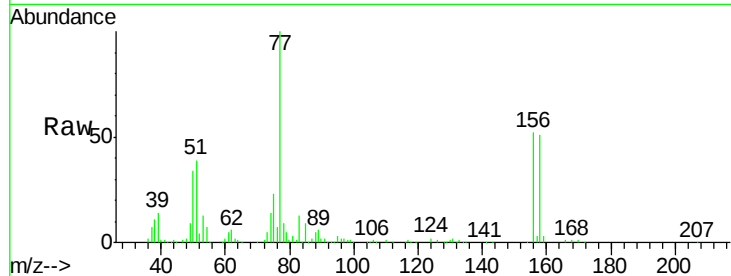
ClientSampleId :

VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.4	113.7	341.1
158	97.0	48.5	145.6

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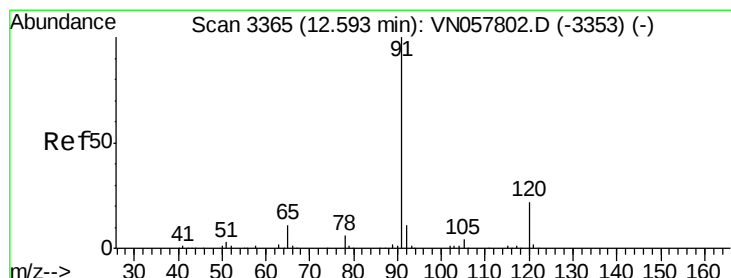
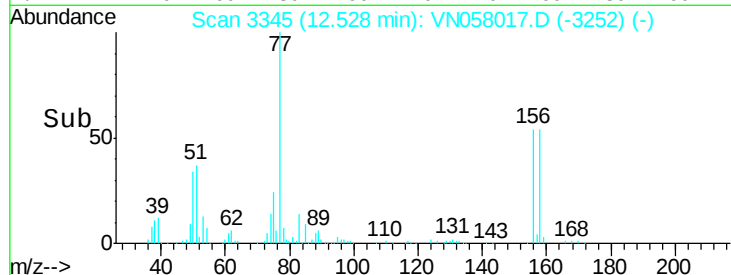
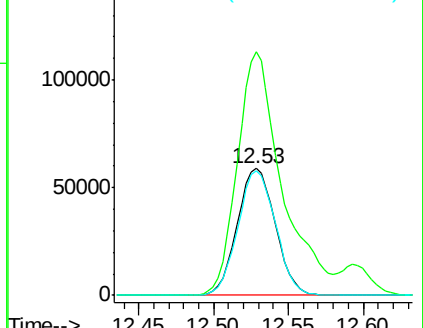


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.904 ug/l

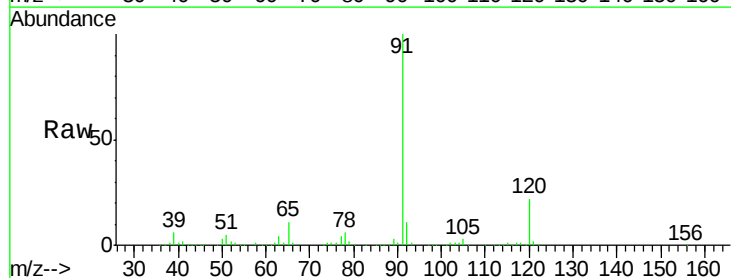
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

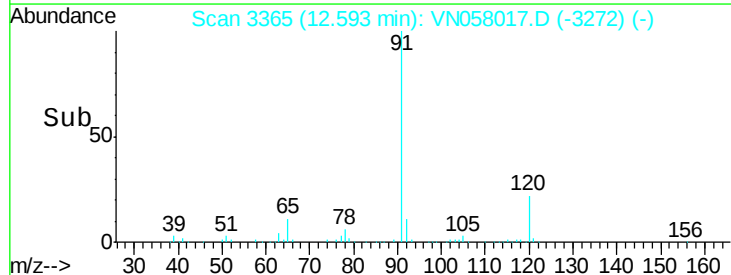
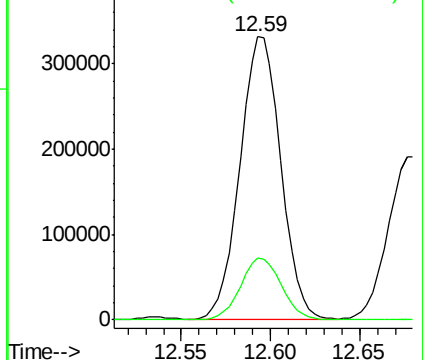
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

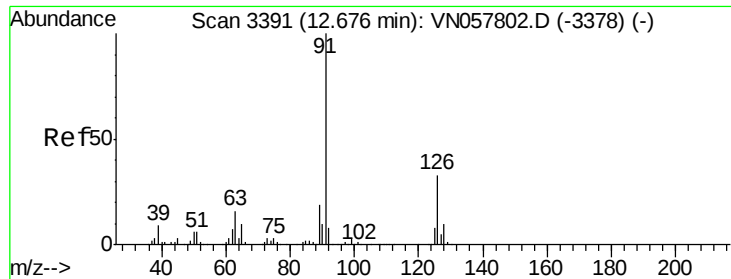


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.820 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion: 91 Resp: 315076

Ion Ratio Lower Upper

91 100

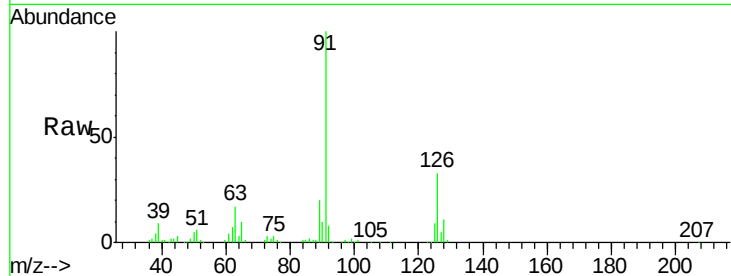
126 32.9 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058017.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058017.D (-3298) (-)

250000

200000

150000

100000

50000

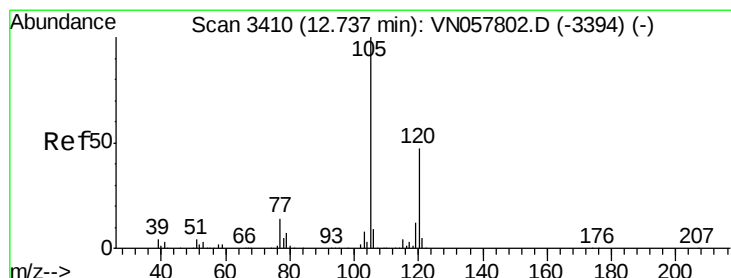
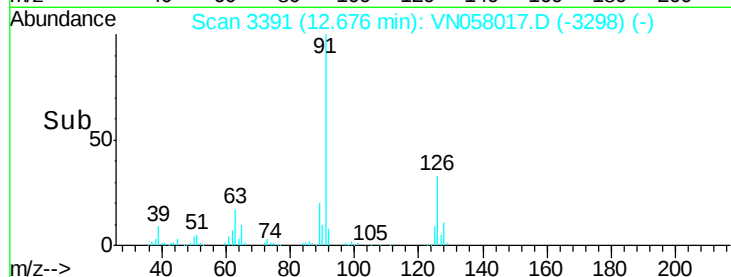
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.910 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058017.D

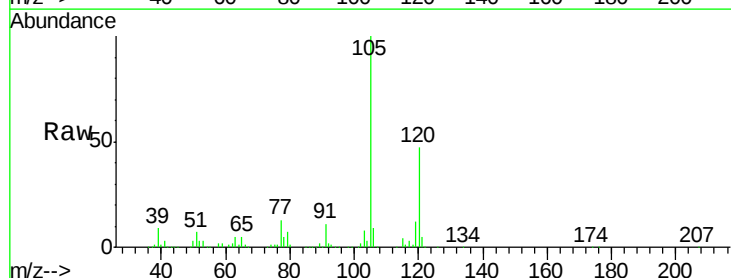
Acq: 13 Sep 2019 14:36

Tgt Ion: 105 Resp: 386986

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058017.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058017.D (-3317) (-)

250000

200000

150000

100000

50000

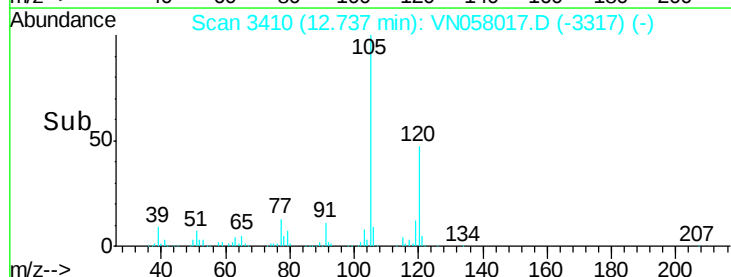
0

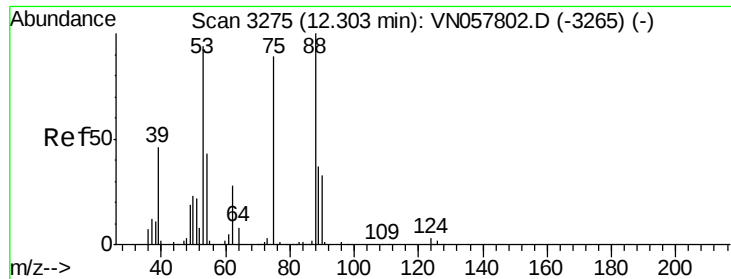
12.70

12.74

12.80

Time-->





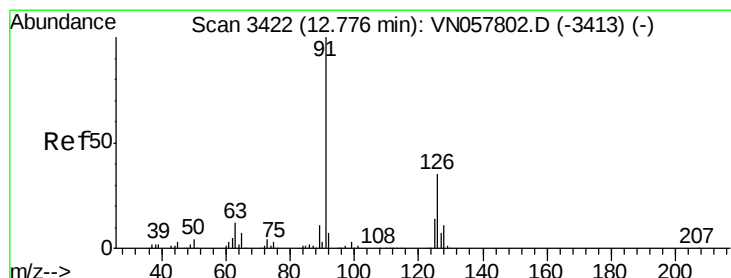
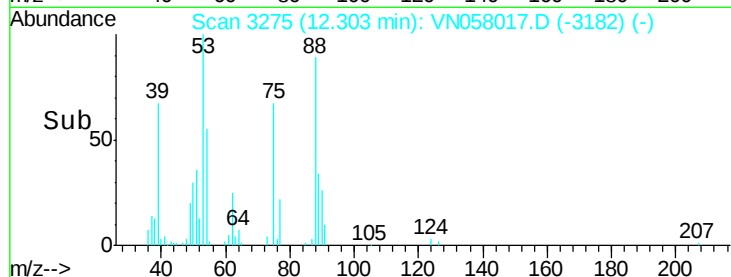
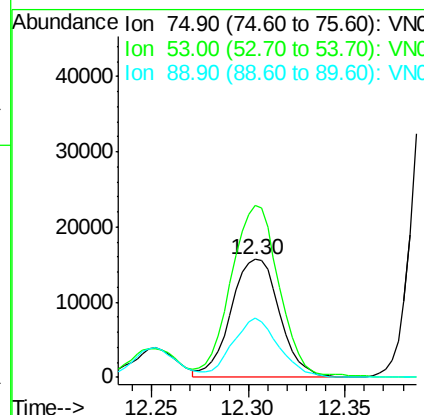
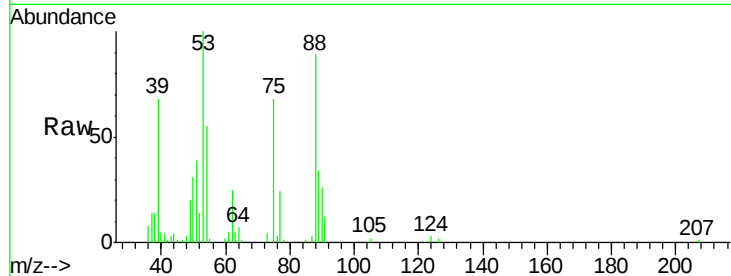
#81
trans-1,4-Dichloro-2-butene
Concen: 15.152 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	144.4	88.4	132.6#
89	47.1	35.3	52.9

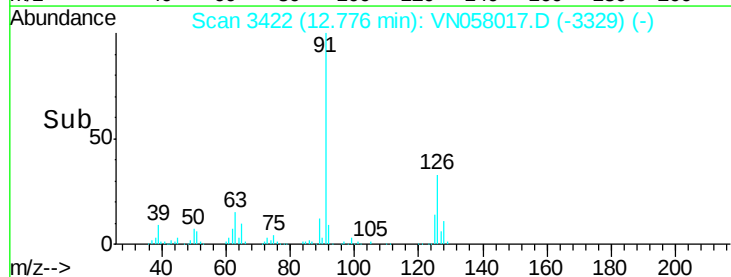
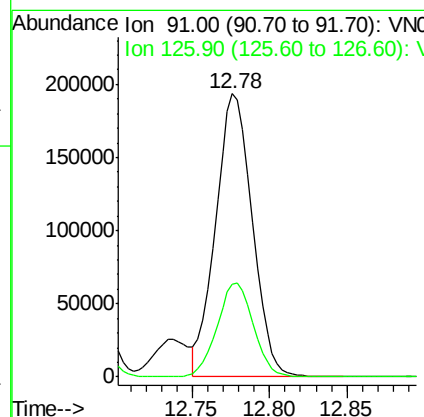
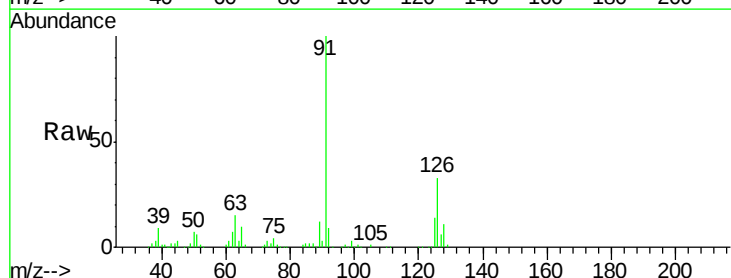
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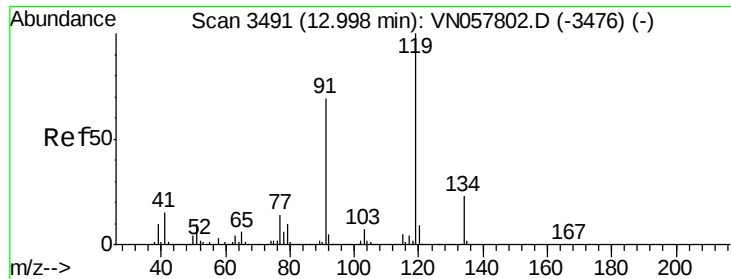
MMDadoda
9/16/2019 2:50:01 PM



#82
4-Chlorotoluene
Concen: 19.469 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0





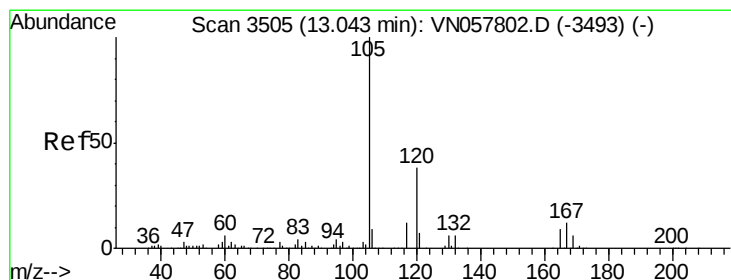
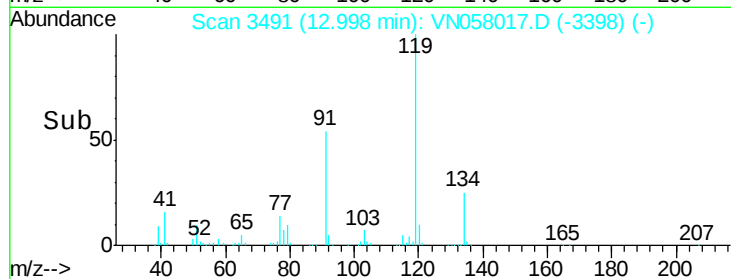
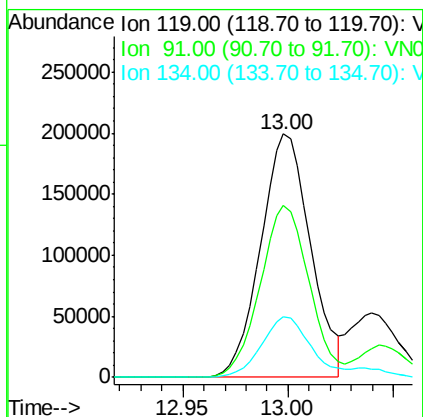
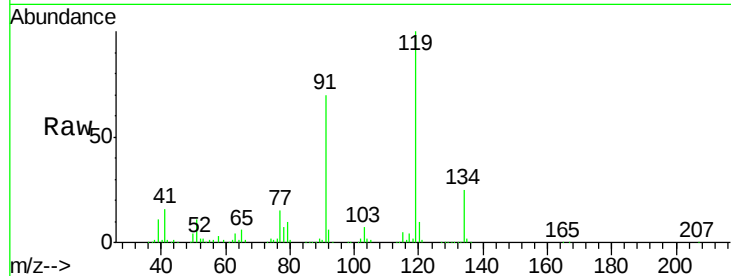
#83
tert-Butylbenzene
Concen: 19.949 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampleID :
VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	33.6	100.8
134	24.8	11.7	35.0

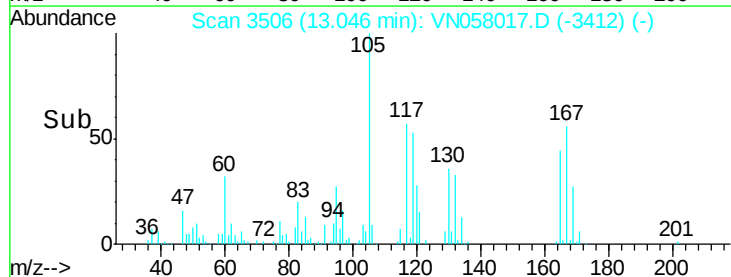
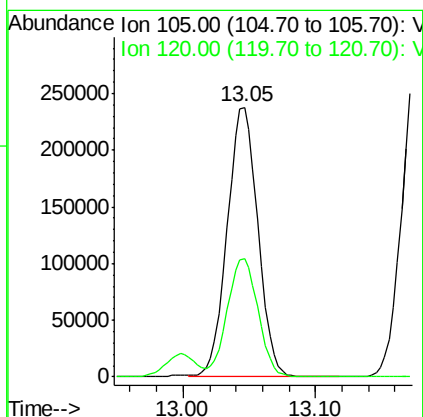
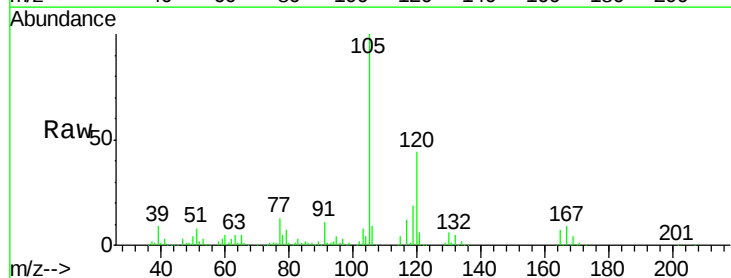
Manual Integrations
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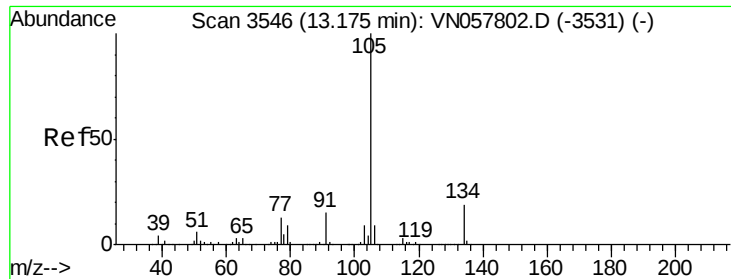
MMDadoda
9/16/2019 2:50:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.221 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058017.D
Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.789 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion:105 Resp: 453300

Ion Ratio Lower Upper

105 100

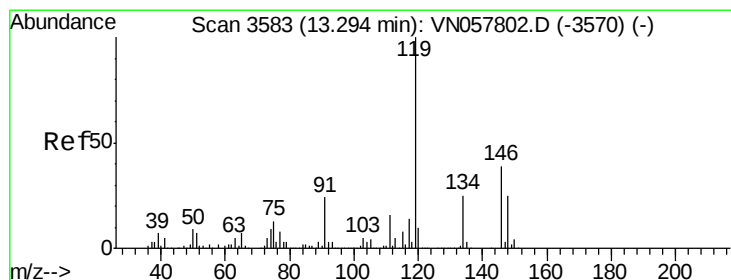
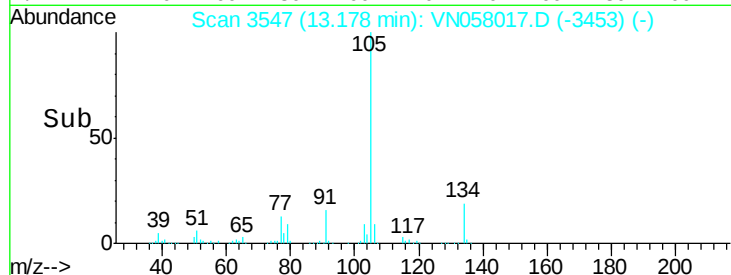
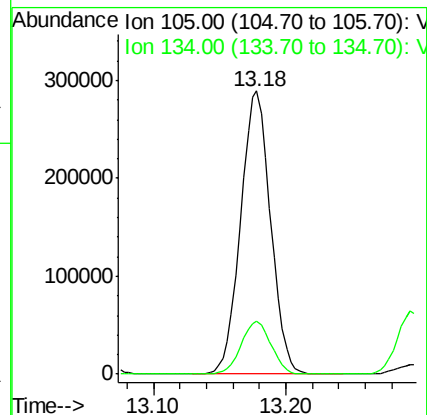
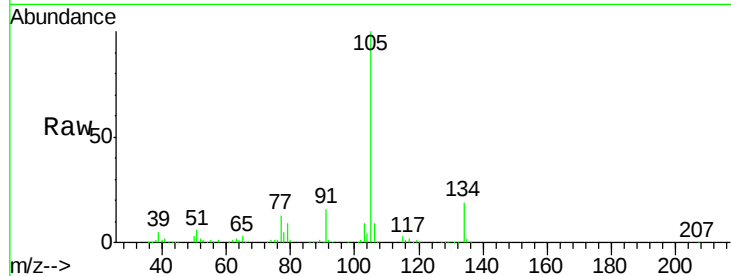
134 18.7 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.493 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

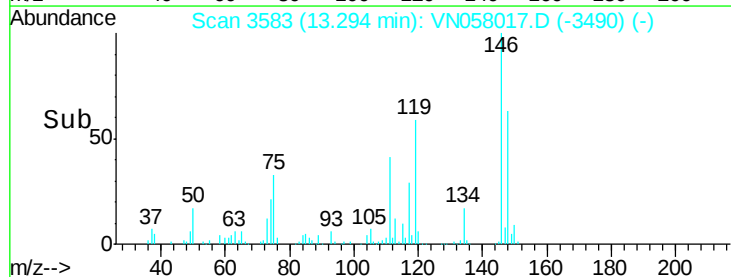
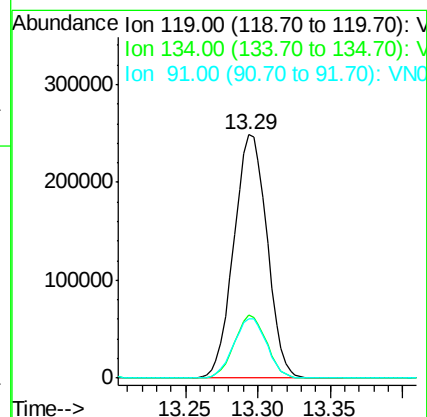
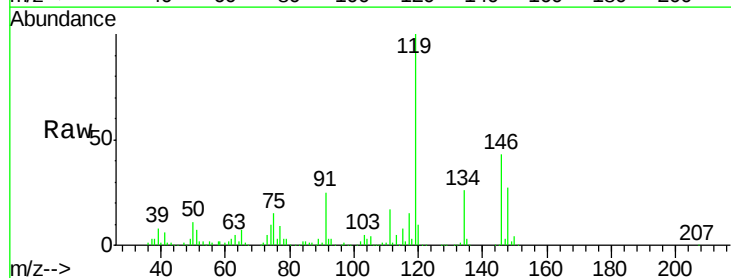
Tgt Ion:119 Resp: 393717

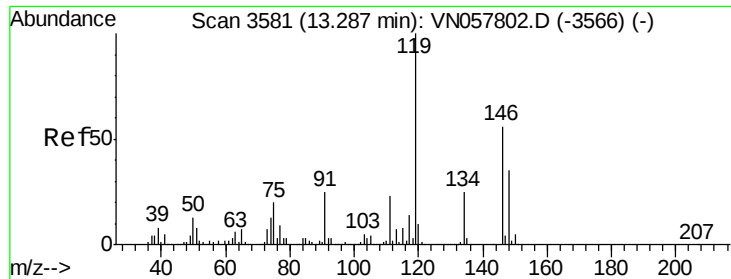
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 24.7 12.3 36.8





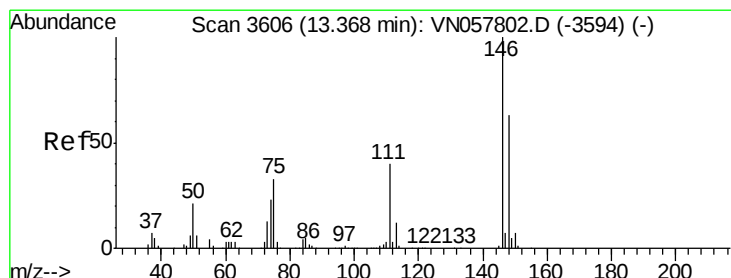
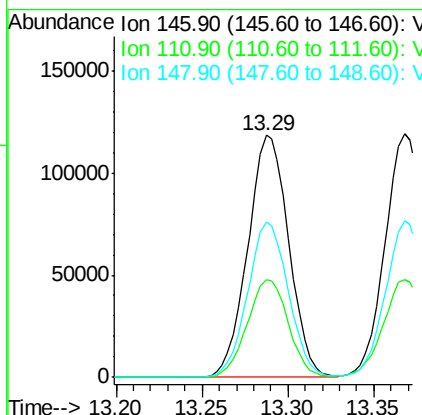
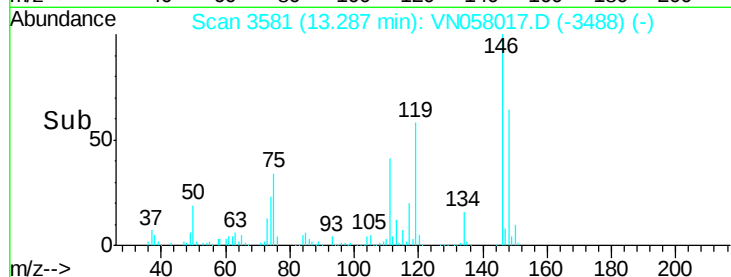
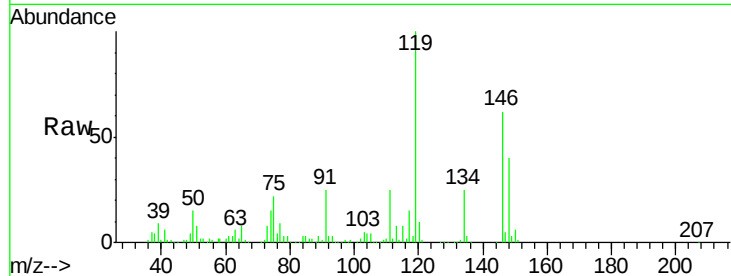
#87
 1,3-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195482		
111	40.4	20.5	61.6	
148	63.8	31.5	94.5	

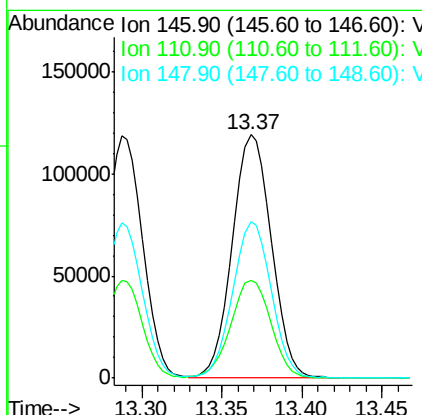
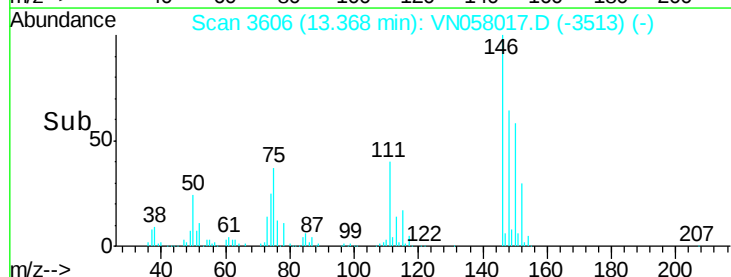
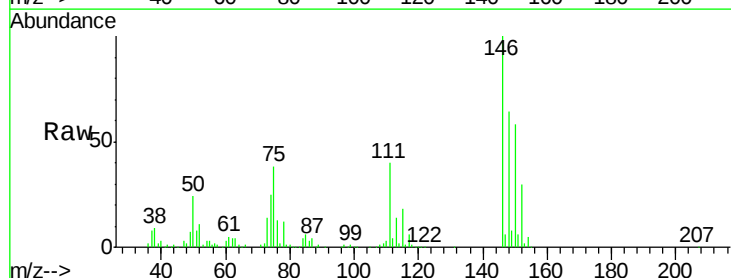
Manual Integrations
 APPROVED

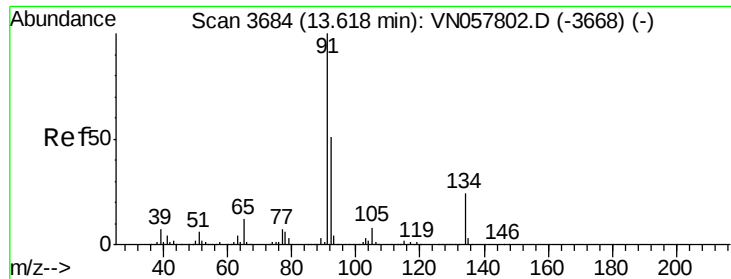
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 9/16/2019 2:50:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.404 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197431		
111	41.4	20.4	61.2	
148	63.9	31.8	95.4	





#89

n-Butylbenzene

Concen: 19.574 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

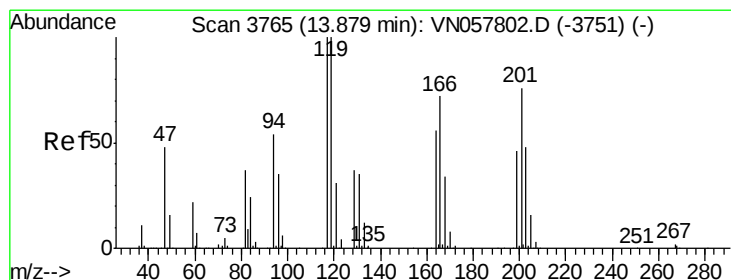
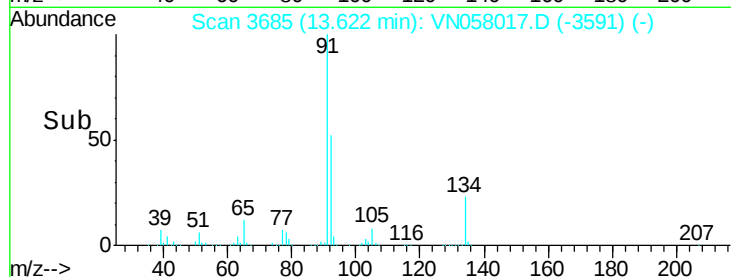
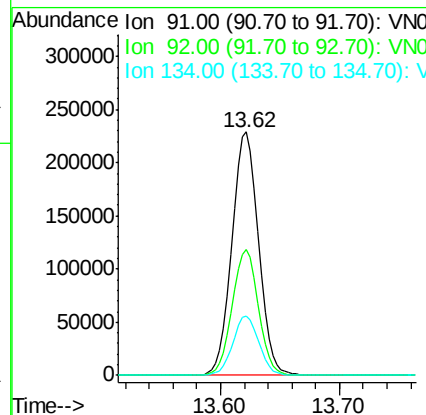
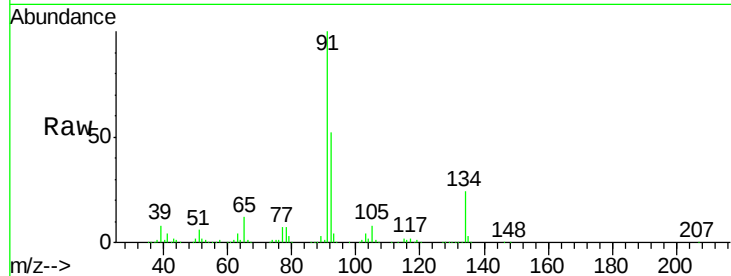
ClientSampleId :

VN0914WBSD02

Tot Ion:	91	Resp:	355138
Ion Ratio	Lower	Upper	
91	100		
92	50.9	25.7	77.0
134	23.8	11.9	35.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.222 ug/l

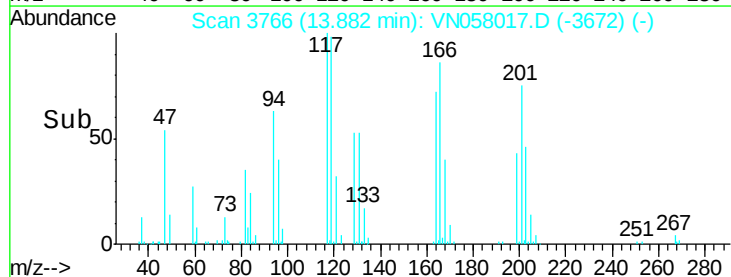
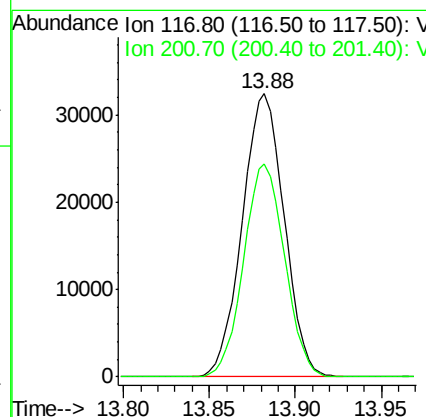
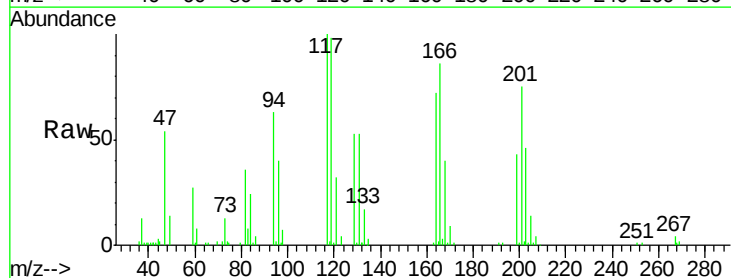
RT: 13.88 min Scan# 3766

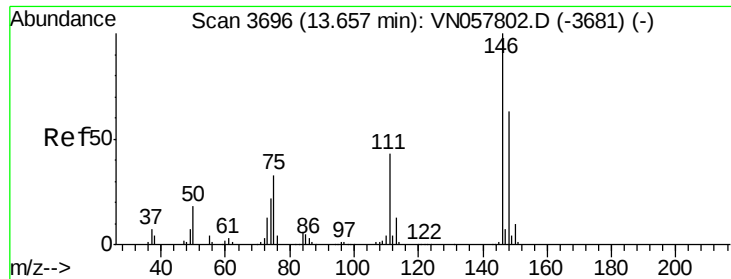
Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	117	Resp:	54923
Ion Ratio	Lower	Upper	
117	100		
201	73.5	37.5	112.7





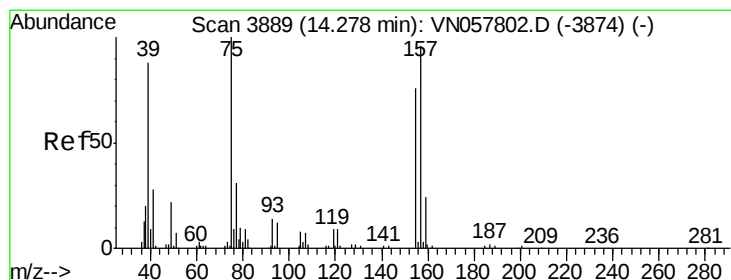
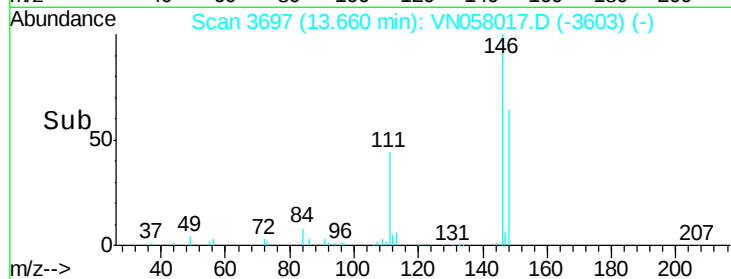
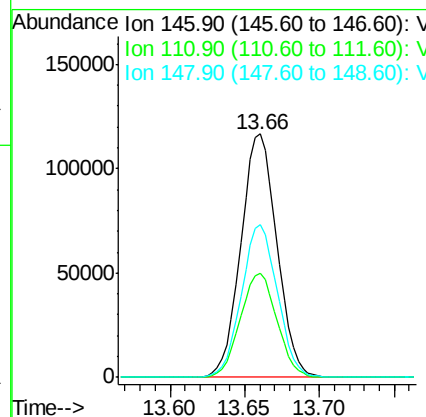
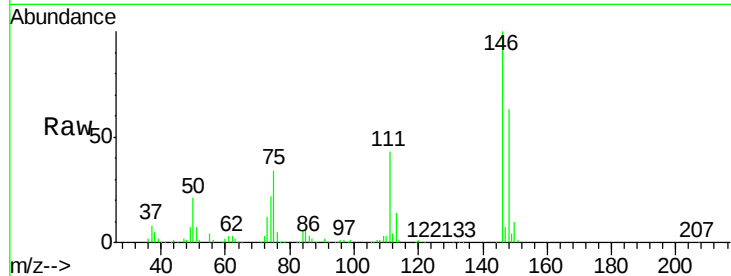
#91
 1,2-Dichlorobenzene
 Concen: 19.583 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	62.5	31.4	94.3

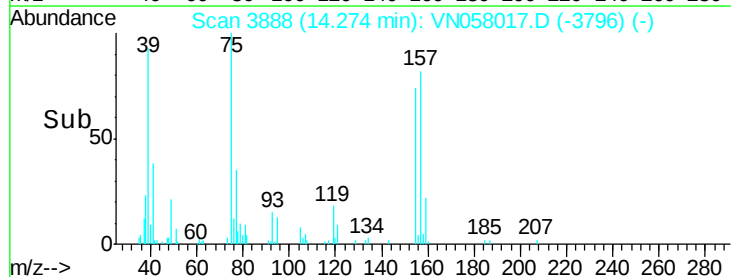
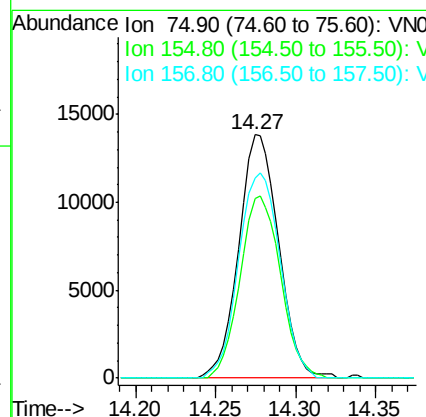
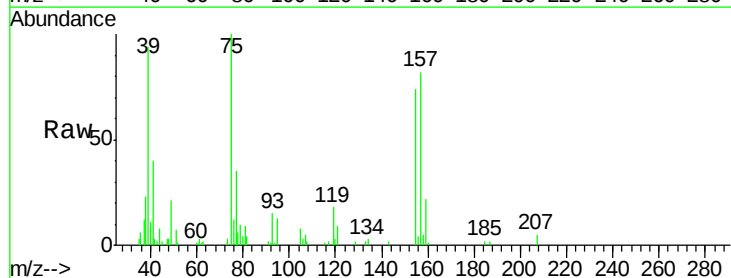
Manual Integrations
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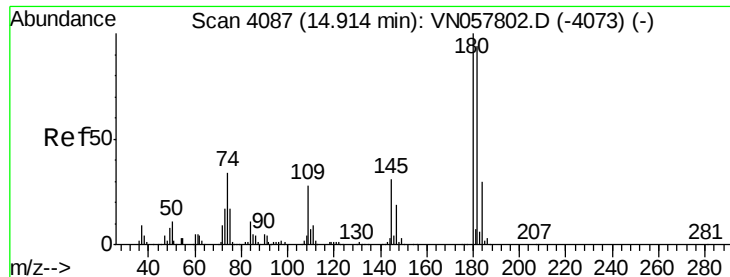
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.310 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	37.3	111.8
157	87.9	47.9	143.8





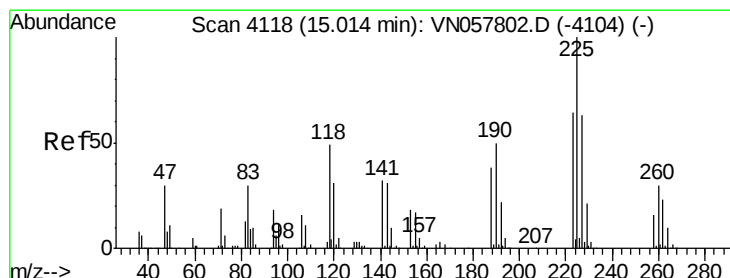
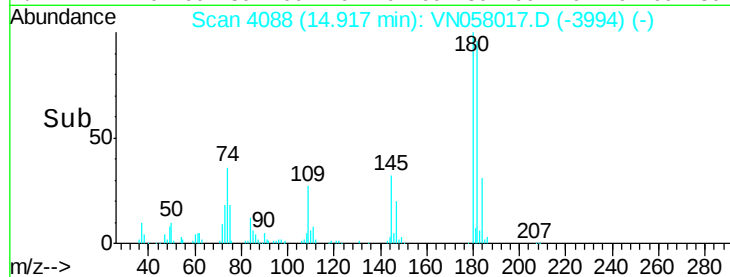
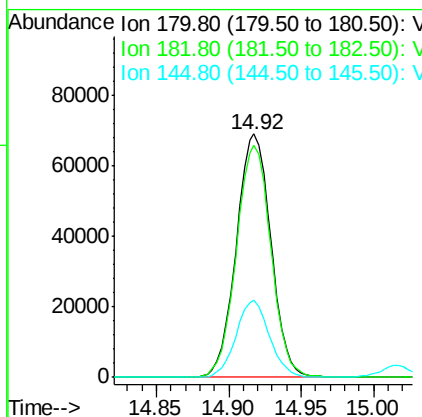
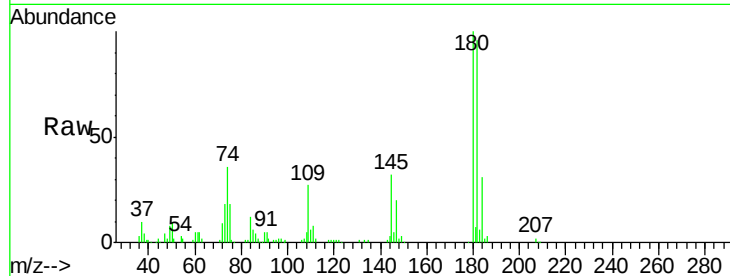
#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114533		
182	95.5	46.9	140.8	
145	30.5	14.9	44.7	

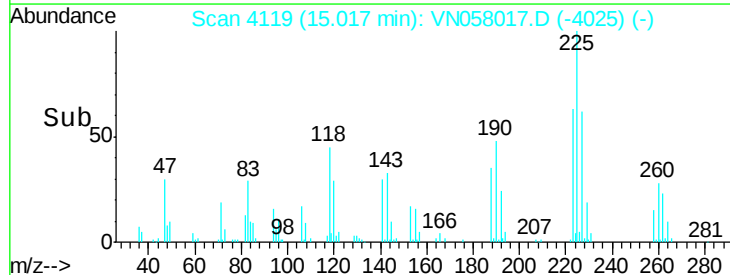
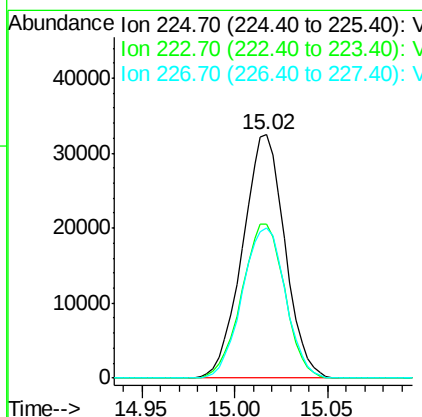
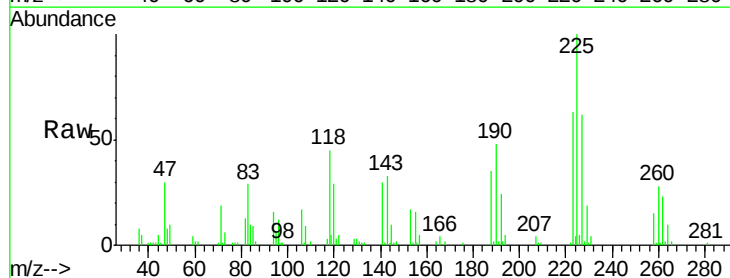
Manual Integrations
 APPROVED

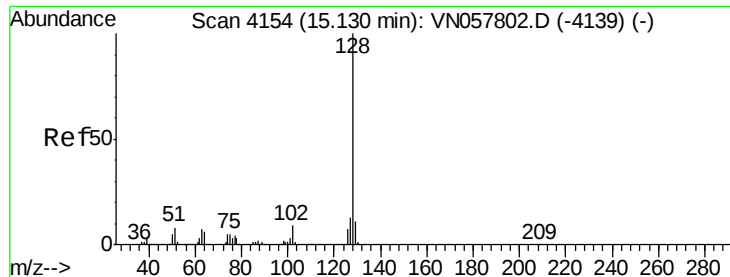
MMDadoda
 9/16/2019 2:50:01 PM



#94
 Hexachlorobutadiene
 Concen: 18.620 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058017.D
 Acq: 13 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51665		
223	64.1	32.4	97.2	
227	62.9	31.8	95.4	





#95

Naphthalene

Concen: 18.087 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Instrument :

MSVOA_N

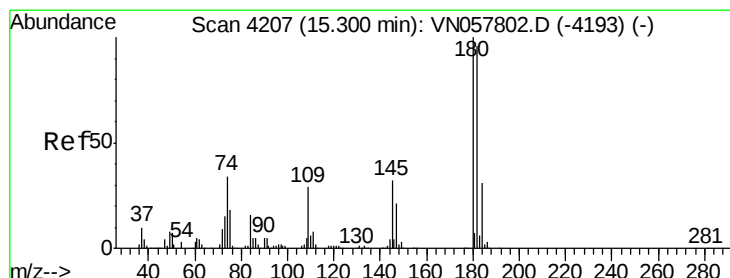
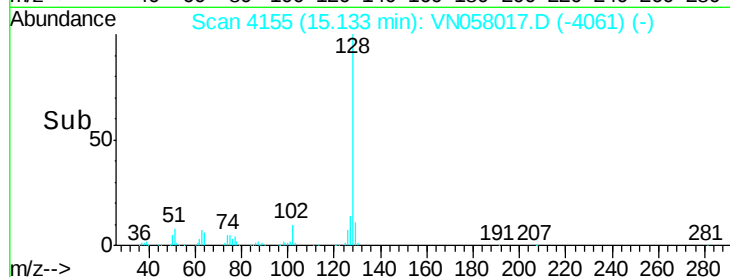
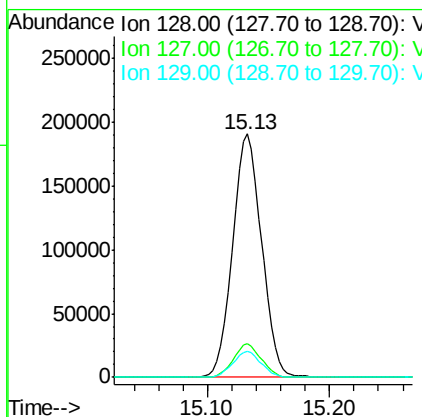
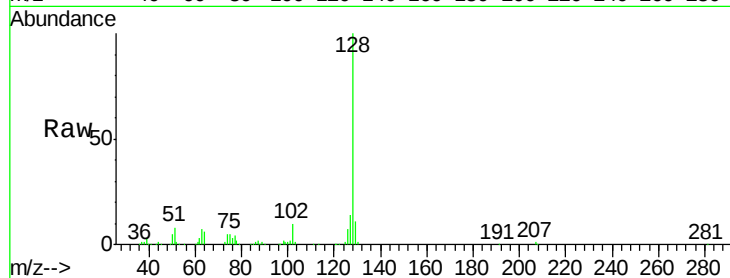
ClientSampleId :

VN0914WBSD02

Tot Ion:	128	Resp:	315461
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:50:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.253 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058017.D

Acq: 13 Sep 2019 14:36

Tgt Ion:	180	Resp:	112270
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.8
145	31.2	16.3	48.8

