

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058143.D
 Acq On : 17 Sep 2019 12:49
 Operator : JC/SP
 Sample : VN0917WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 4:41:41 PM

Quant Time: Sep 18 03:55:20 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	322931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	353708	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.57	113	253924	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.08	98	983480	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	368098	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92378	20.685	ug/l	98
3) Chloromethane	2.04	50	76877	16.889	ug/l	97
4) Vinyl Chloride	2.17	62	82498	17.125	ug/l	98
5) Bromomethane	2.55	94	31178	10.577	ug/l	99
6) Chloroethane	2.69	64	51845	16.889	ug/l	99
7) Trichlorofluoromethane	3.00	101	115613	19.070	ug/l	100
8) Diethyl Ether	3.39	74	53423	21.128	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82926	21.683	ug/l	98
10) Methyl Iodide	3.93	142	43132	10.135	ug/l	98
11) Tert butyl alcohol	4.76	59	84608	106.878	ug/l	99
12) 1,1-Dichloroethene	3.72	96	70215	20.419	ug/l	98
13) Acrolein	3.59	56	21208	31.577	ug/l	100
14) Allyl chloride	4.30	41	136337	20.260	ug/l	99
15) Acrylonitrile	4.97	53	238104	109.429	ug/l	99
16) Acetone	3.79	43	211732	98.748	ug/l	98
17) Carbon Disulfide	4.03	76	90695	17.051	ug/l	98
18) Methyl Acetate	4.30	43	139755	24.446	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	322322	22.524	ug/l	99
20) Methylene Chloride	4.53	84	92958	22.086	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	74234	19.970	ug/l	99
22) Diisopropyl ether	5.93	45	356972	22.620	ug/l	96
23) Vinyl Acetate	5.87	43	1275170	114.016	ug/l	98
24) 1,1-Dichloroethane	5.83	63	188924	21.905	ug/l	99
25) 2-Butanone	6.82	43	331044	106.673	ug/l	97
26) 2,2-Dichloropropane	6.81	77	141138	20.678	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	106849	21.449	ug/l	98
28) Bromochloromethane	7.18	49	91328	21.195	ug/l	93
29) Tetrahydrofuran	7.19	42	208119	108.831	ug/l	100
30) Chloroform	7.36	83	199157	22.084	ug/l	96
31) Cyclohexane	7.64	56	129005	20.636	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	153760	21.498	ug/l	98
36) 1,1-Dichloropropene	7.78	75	123798	20.582	ug/l	99
37) Ethyl Acetate	6.91	43	134957	21.717	ug/l	99
38) Carbon Tetrachloride	7.76	117	120408	21.926	ug/l	99

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 9/18/2019 4:41:41 PM

Quant Time: Sep 18 03:55:20 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	122188	19.325	ug/l	99
40) Benzene	8.03	78	387733	21.412	ug/l	97
41) Methacrylonitrile	7.16	41	64797m	22.970	ug/l	
42) 1,2-Dichloroethane	8.11	62	159719	22.054	ug/l	99
43) Isopropyl Acetate	8.15	43	266283	25.480	ug/l #	86
44) Trichloroethene	8.82	130	94049	21.175	ug/l	97
45) 1,2-Dichloropropane	9.11	63	119263	22.634	ug/l	98
46) Dibromomethane	9.20	93	70654	22.189	ug/l	98
47) Bromodichloromethane	9.40	83	145100	22.820	ug/l	97
48) Methyl methacrylate	9.19	41	116751	22.023	ug/l	98
49) 1,4-Dioxane	9.19	88	36175	403.519	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	738423	119.402	ug/l	99
52) Toluene	10.15	92	243112	21.315	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149729	22.362	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	163255	22.084	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	112185	23.221	ug/l	97
56) Ethyl methacrylate	10.43	69	163055	22.412	ug/l	99
57) 1,3-Dichloropropane	10.71	76	187293	22.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	354432	103.435	ug/l	99
59) 2-Hexanone	10.75	43	521051	112.406	ug/l	100
60) Dibromochloromethane	10.90	129	100049	22.301	ug/l	98
61) 1,2-Dibromoethane	11.00	107	101624	22.250	ug/l	99
64) Tetrachloroethene	10.63	164	76126	21.356	ug/l	97
65) Chlorobenzene	11.43	112	279253	22.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	100879	23.010	ug/l	99
67) Ethyl Benzene	11.51	91	498838	22.528	ug/l	100
68) m/p-Xylenes	11.62	106	364693	44.963	ug/l	99
69) o-Xylene	11.95	106	182039	22.576	ug/l	98
70) Styrene	11.97	104	315427	22.730	ug/l	99
71) Bromoform	12.13	173	60895	22.278	ug/l #	100
73) Isopropylbenzene	12.25	105	506774	22.322	ug/l	99
74) N-amyl acetate	12.07	43	208552	21.108	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	167971	21.974	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	149014m	22.514	ug/l	
77) Bromobenzene	12.53	156	120668	21.318	ug/l	96
78) n-propylbenzene	12.60	91	586487	22.497	ug/l	99
79) 2-Chlorotoluene	12.68	91	353751	21.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	433419	22.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35359	18.800	ug/l #	83
82) 4-Chlorotoluene	12.78	91	367676	21.729	ug/l	100
83) tert-Butylbenzene	13.00	119	379716	22.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	433681	22.244	ug/l	99
85) sec-Butylbenzene	13.18	105	505391	22.362	ug/l	99
86) p-Isopropyltoluene	13.29	119	450816	22.639	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	224376	21.596	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	226341	21.462	ug/l	99
89) n-Butylbenzene	13.62	91	408661	21.731	ug/l	99
90) Hexachloroethane	13.88	117	61989	20.931	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	229475	22.108	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28114	22.271	ug/l	88

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ClientSampleId :
VN0917WBSD01

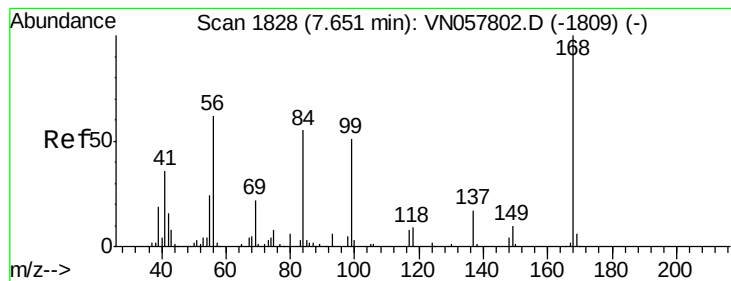
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	146706	21.624	ug/l	100
94) Hexachlorobutadiene	15.02	225	64751	22.515	ug/l	98
95) Naphthalene	15.13	128	422590	23.852	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	138175	23.862	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion:168 Resp: 322931

Ion Ratio Lower Upper

168 100

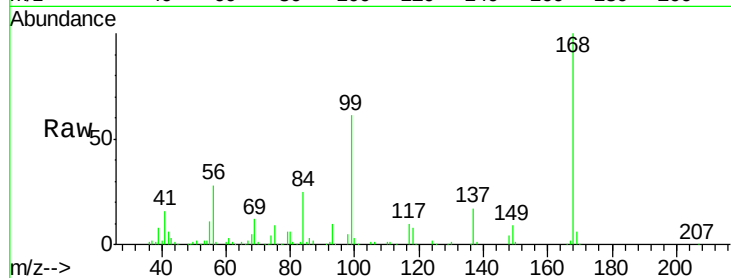
99 60.5 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

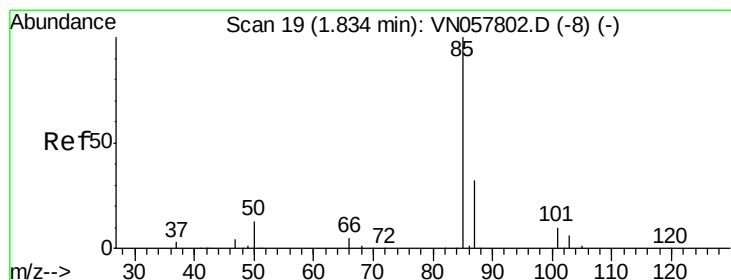
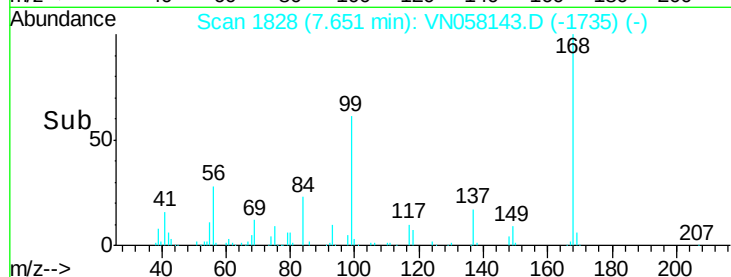
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.685 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058143.D

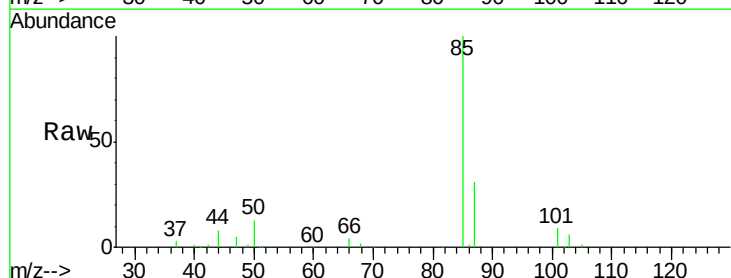
Acq: 17 Sep 2019 12:49

Tgt Ion: 85 Resp: 92378

Ion Ratio Lower Upper

85 100

87 31.0 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

80000

60000

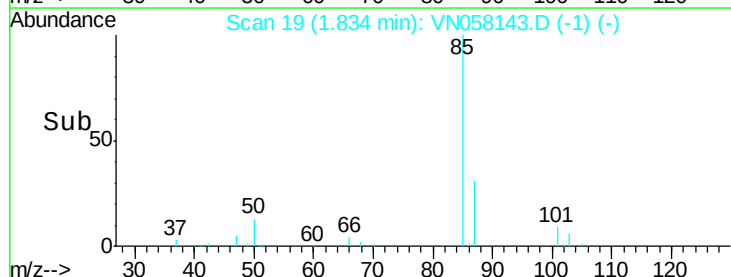
40000

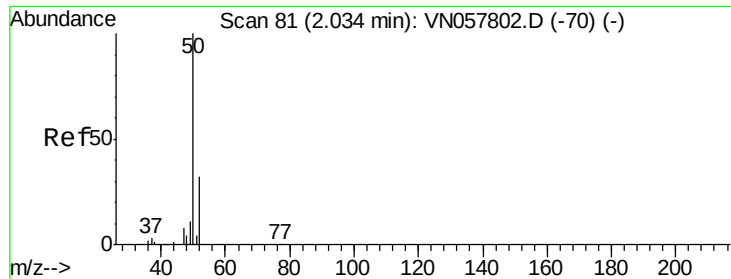
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.889 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 50 Resp: 76877

Ion Ratio Lower Upper

50 100

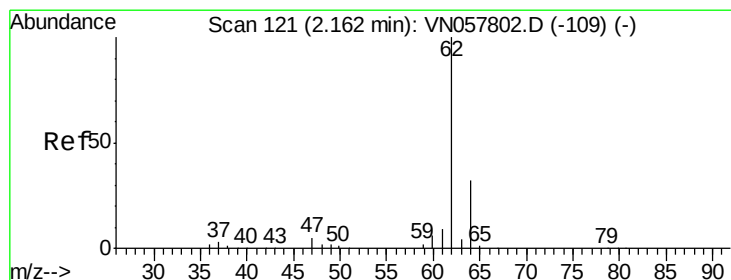
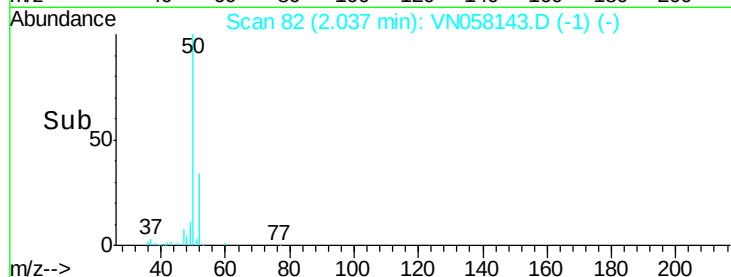
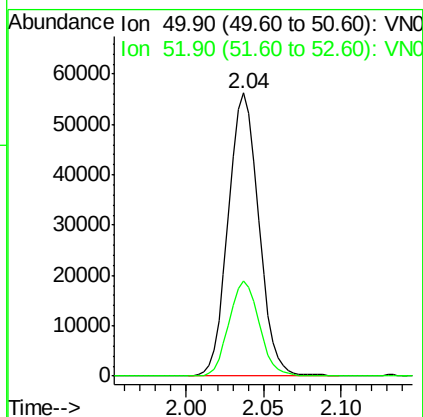
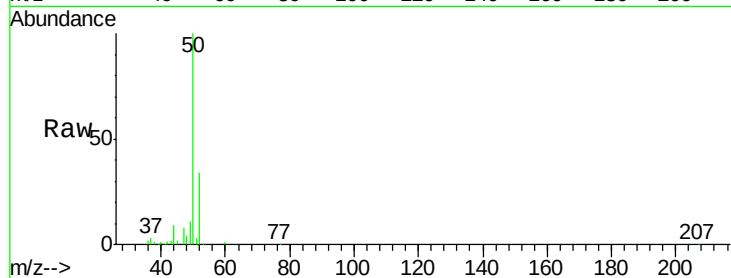
52 33.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.125 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058143.D

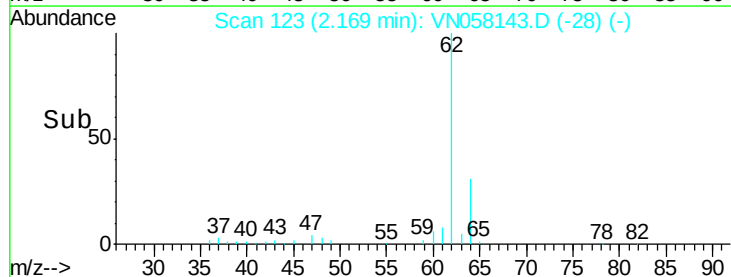
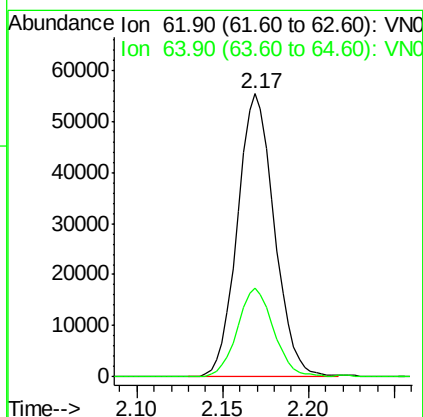
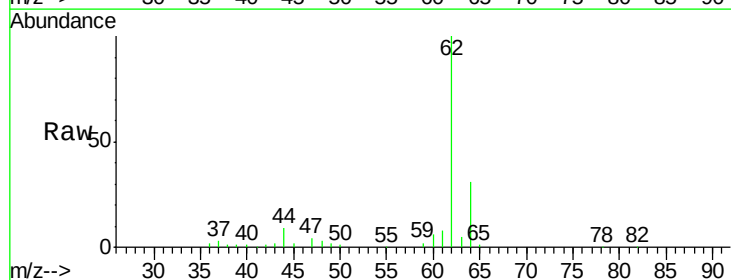
Acq: 17 Sep 2019 12:49

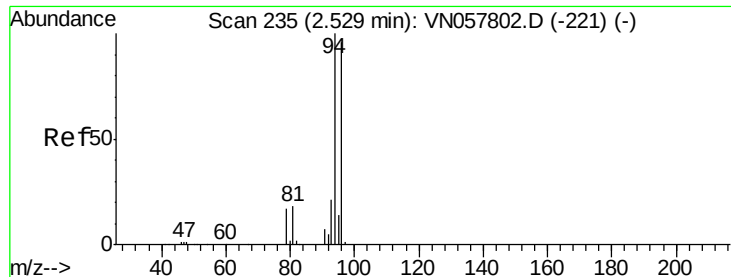
Tgt Ion: 62 Resp: 82498

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4





#5

Bromomethane

Concen: 10.577 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 94 Resp: 31178

Ion Ratio Lower Upper

94 100

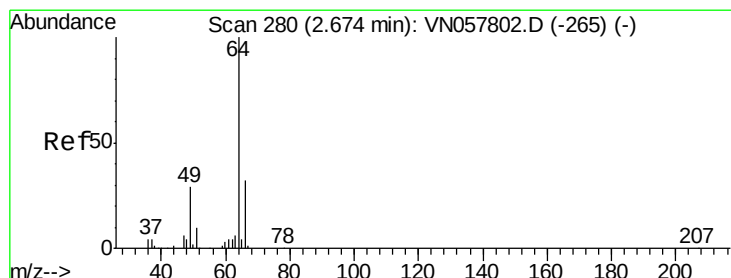
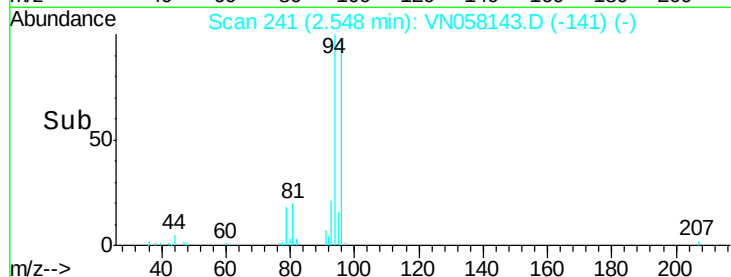
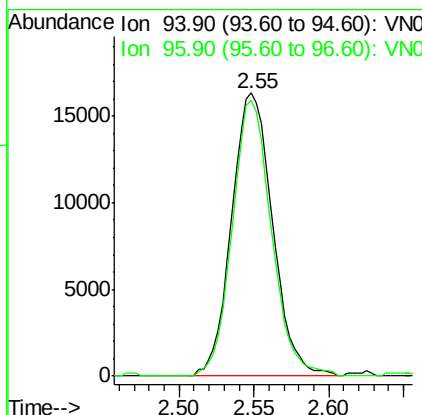
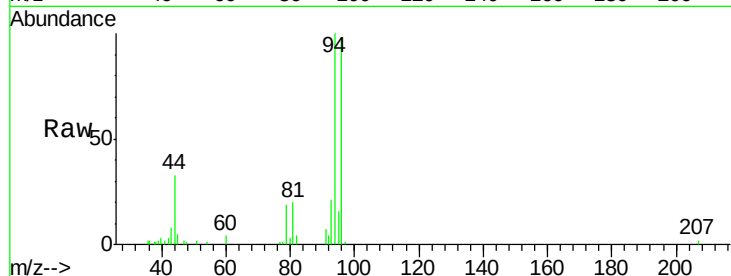
96 97.6 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 16.889 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058143.D

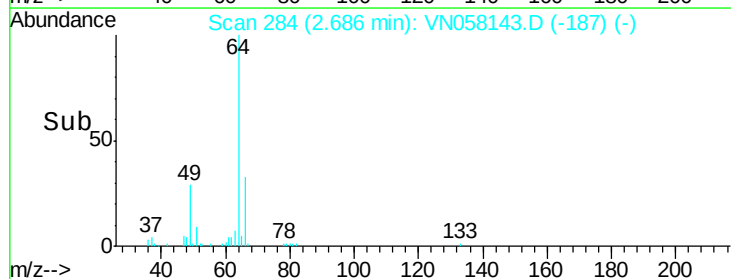
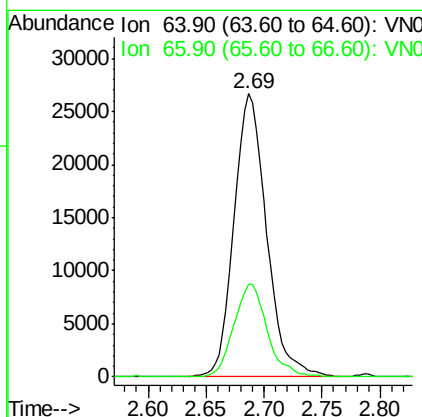
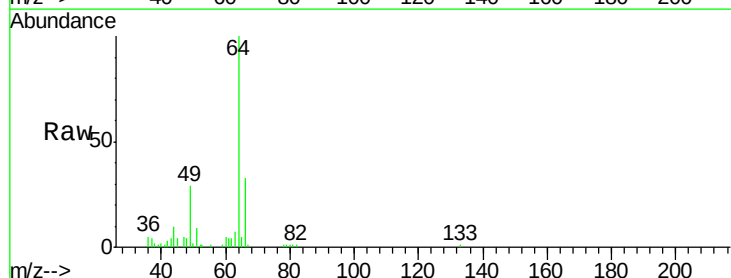
Acq: 17 Sep 2019 12:49

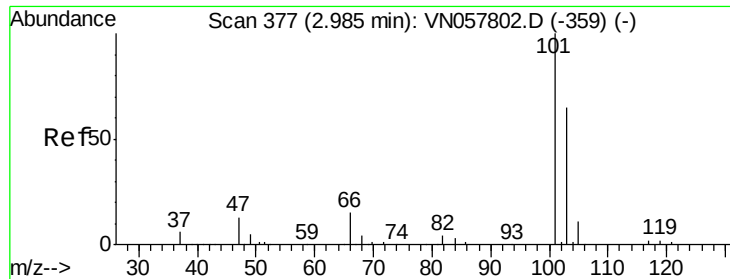
Tgt Ion: 64 Resp: 51845

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

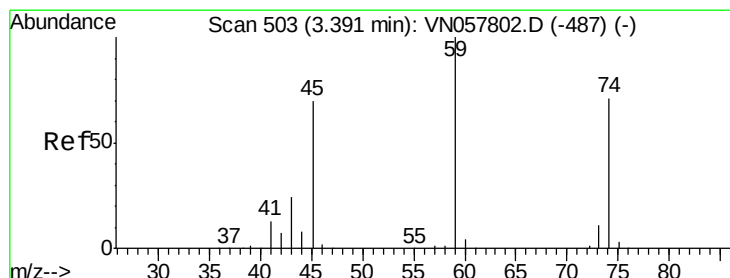
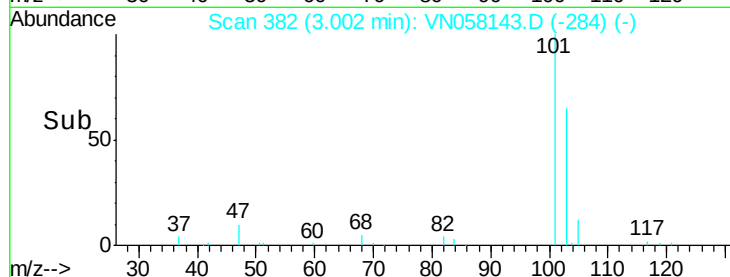
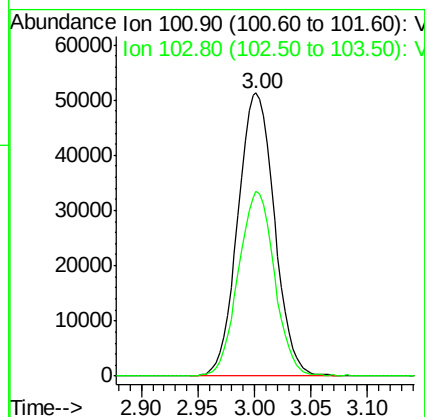
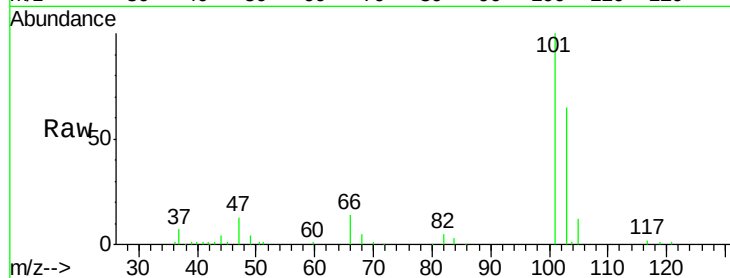
Trichlorofluoromethane
 Concen: 19.070 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
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 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.9	77.9

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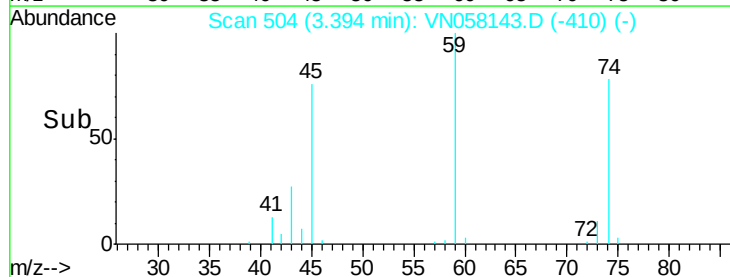
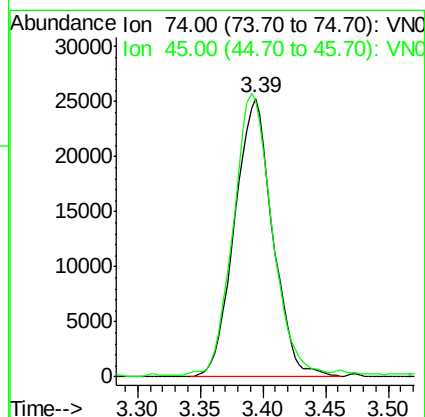
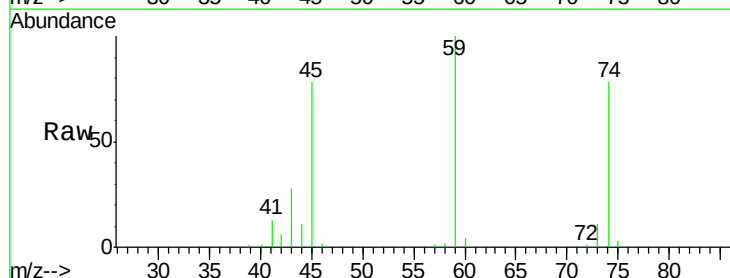
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 9/18/2019 4:41:41 PM

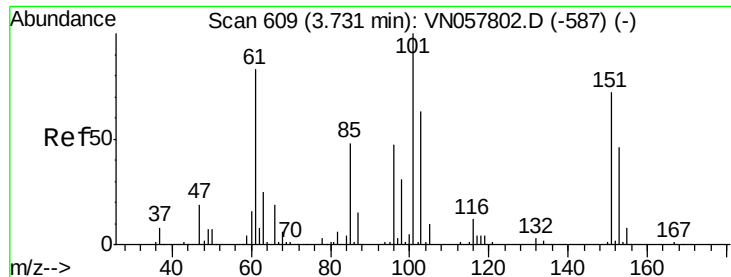


#8

Diethyl Ether
 Concen: 21.128 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.683 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

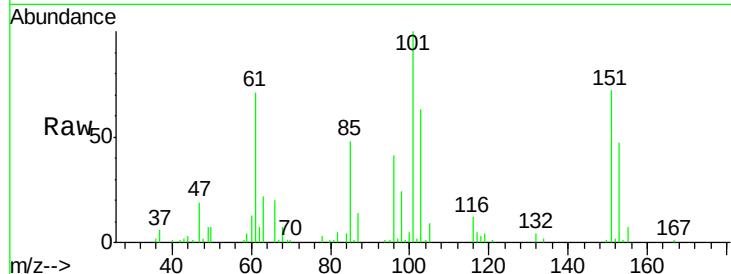
ClientSampleId :

VN0917WBSD01

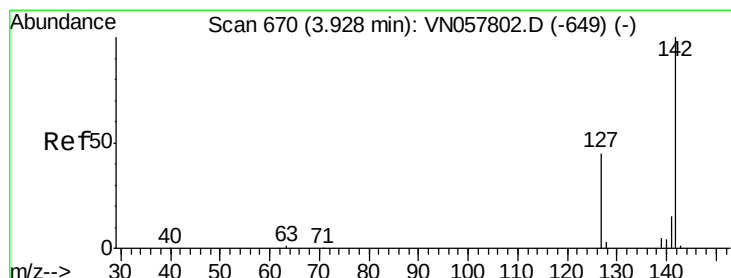
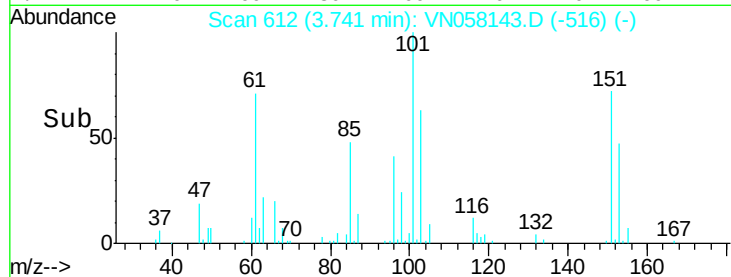
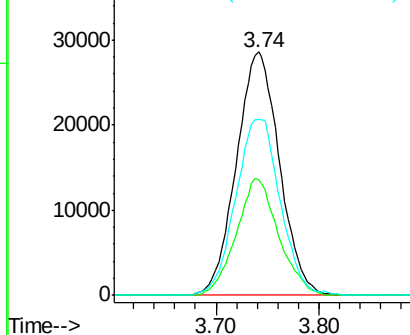
Tot Ion:	101	Resp:	82926
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.1	57.1
151	74.8	58.4	87.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.135 ug/l

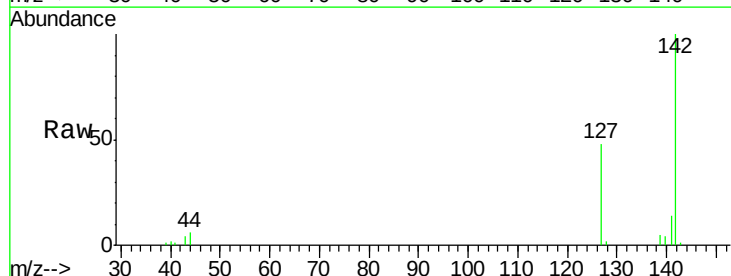
RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

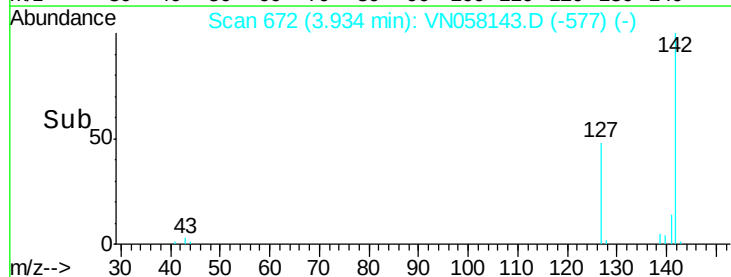
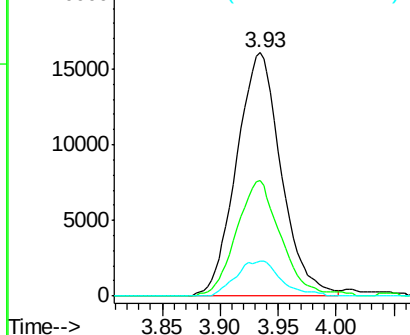
Lab File: VN058143.D

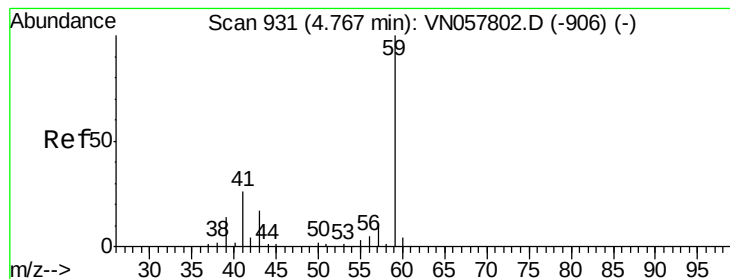
Acq: 17 Sep 2019 12:49

Tgt Ion:	142	Resp:	43132
Ion Ratio	Lower	Upper	
142	100		
127	47.3	36.7	55.1
141	14.5	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

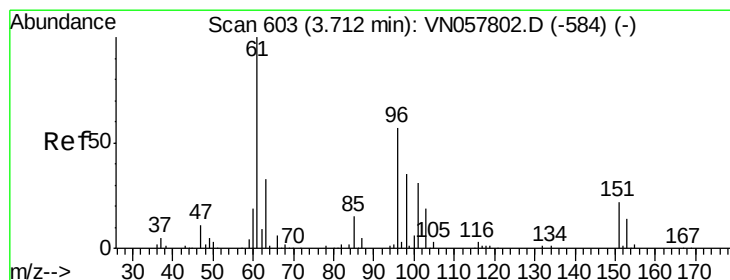
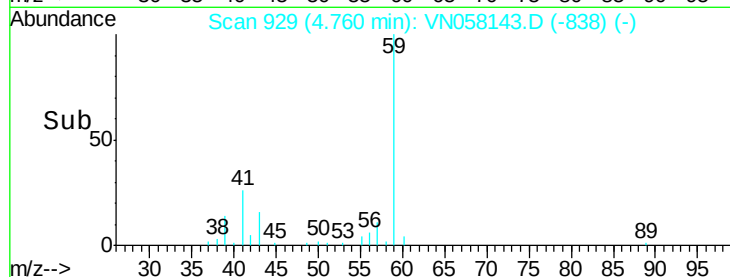
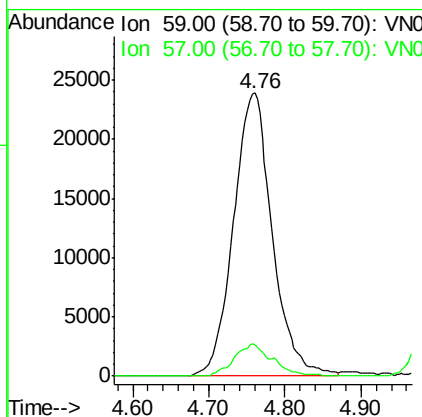
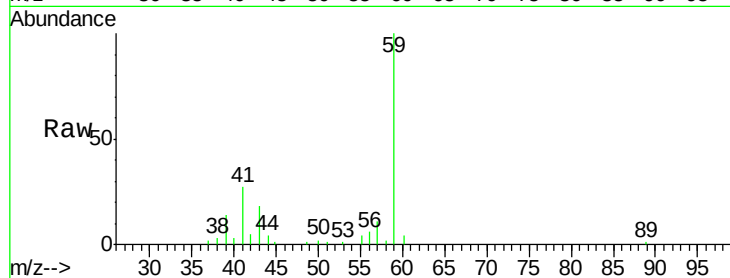
Tert butyl alcohol
 Concen: 106.878 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	59	57	Ratio	100	11.0	Resp	84608	Lower	Upper
59	100								
57		11.0						8.4	12.6

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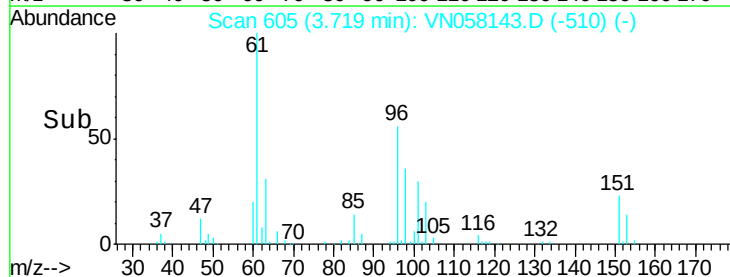
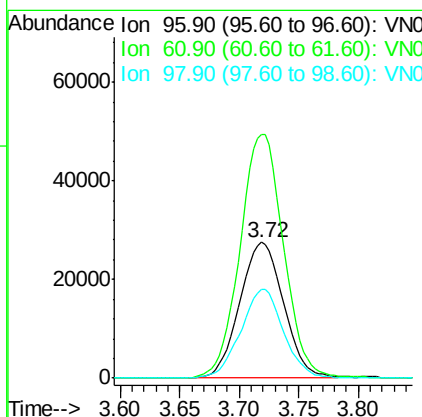
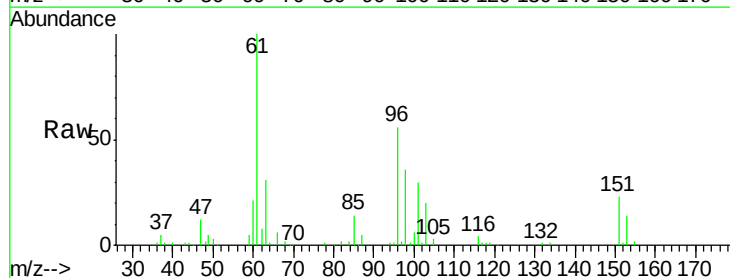
MMDadoda
 9/18/2019 4:41:41 PM

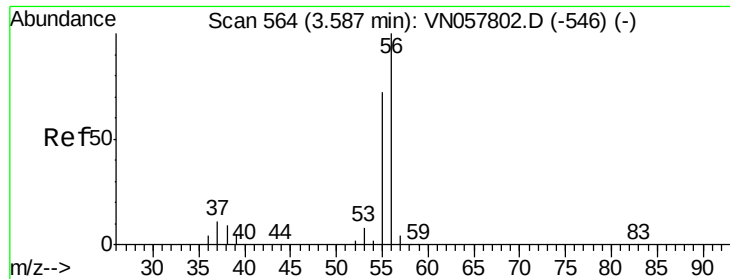


#12

1,1-Dichloroethene
 Concen: 20.419 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	96	61	98	Ratio	100	179.5	65.0	Resp	70215	Lower	Upper
96	100										
61		179.5								141.2	211.8
98		65.0								49.9	74.9





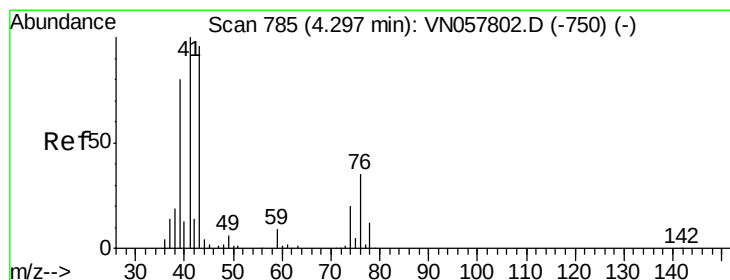
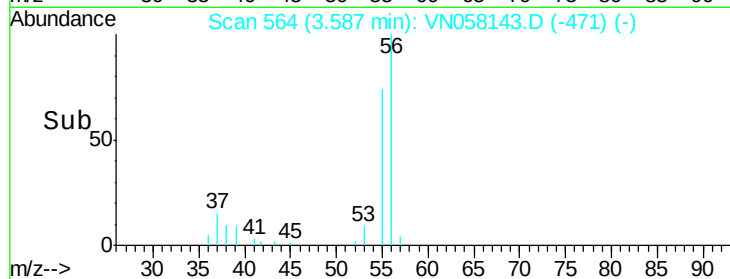
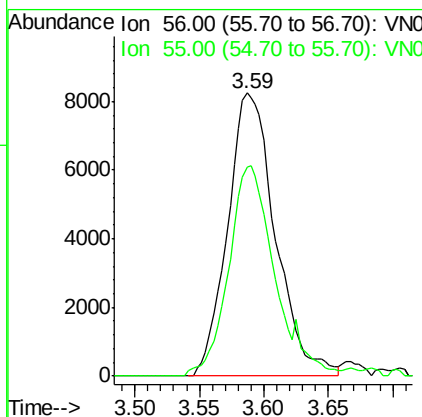
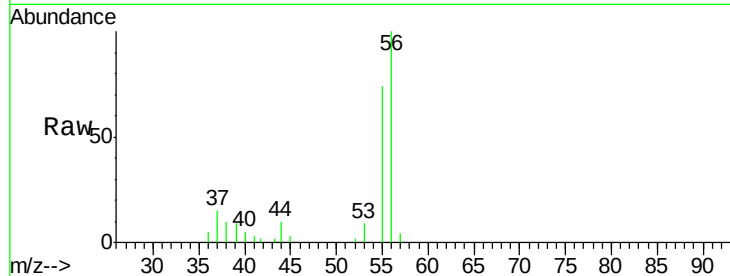
#13
 Acrolein
 Concen: 31.577 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	56	55	Ratio	100	71.9	Resp	21208	Lower	57.3	Upper	85.9
Ion	56	55	Ratio	100	71.9	Resp	21208	Lower	57.3	Upper	85.9

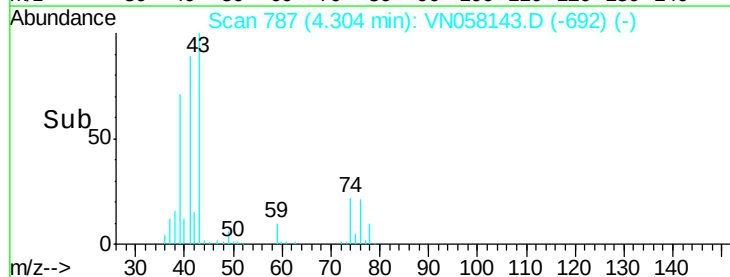
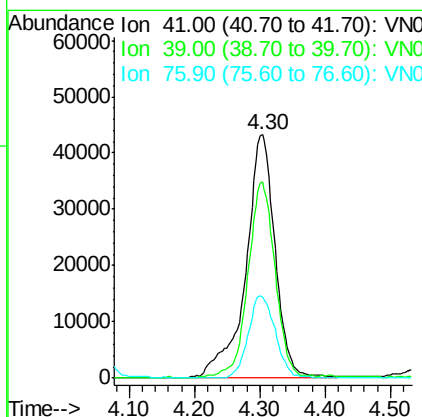
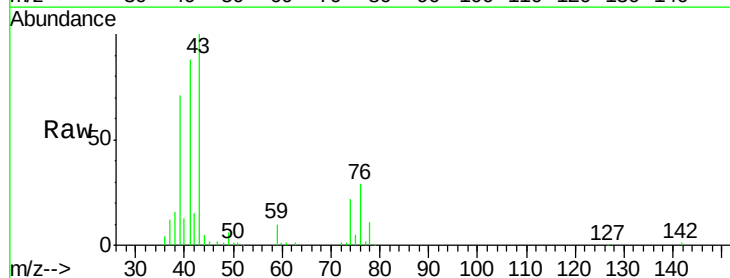
Manual Integrations
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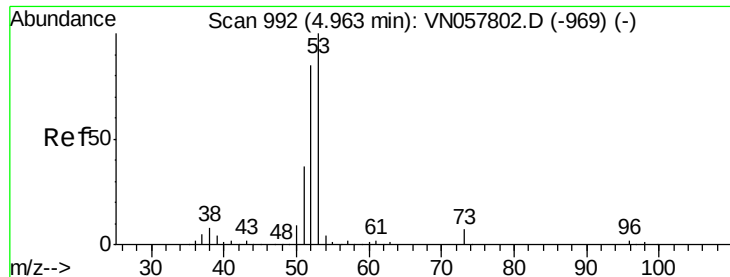
MMDadoda
 9/18/2019 4:41:41 PM



#14
 Allyl chloride
 Concen: 20.260 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	41	39	76	Ratio	100	74.1	30.9	Resp	136337	Lower	59.4	Upper	89.2	39.0
Ion	41	39	76	Ratio	100	74.1	30.9	Resp	136337	Lower	59.4	Upper	89.2	39.0





#15

Acrylonitrile

Concen: 109.429 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

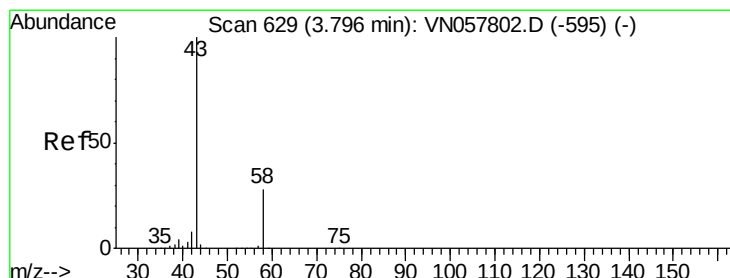
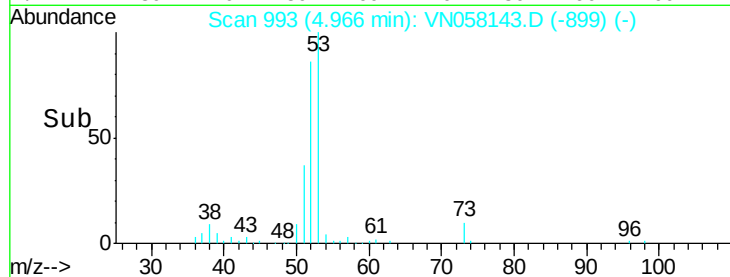
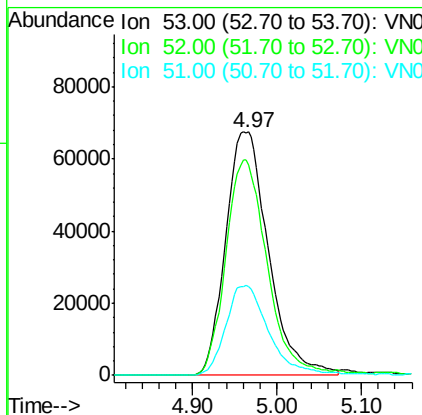
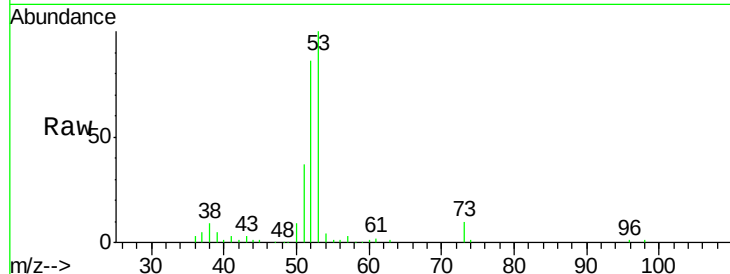
ClientSampleId :

VN0917WBSD01

Tot Ion:	53	Resp:	238104
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 98.748 ug/l

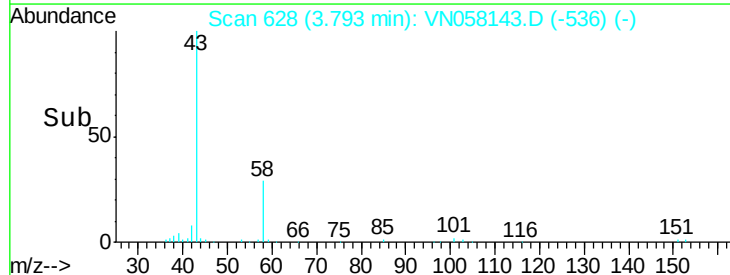
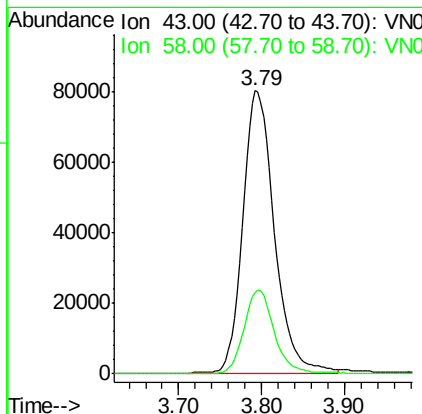
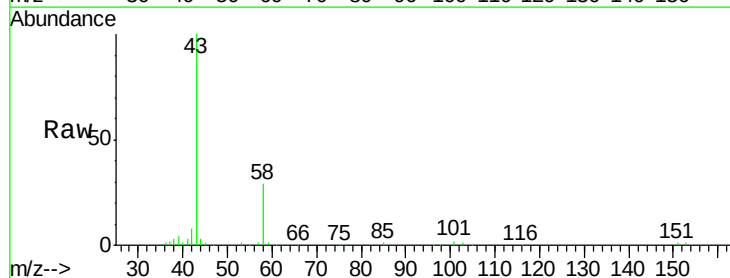
RT: 3.79 min Scan# 628

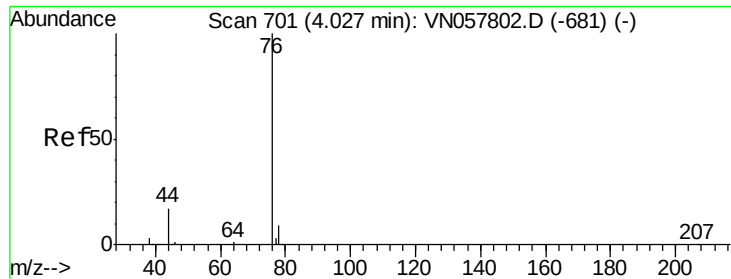
Delta R.T. -0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion:	43	Resp:	211732
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.2	33.2





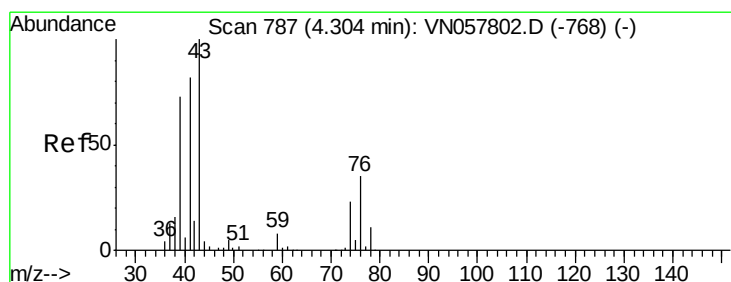
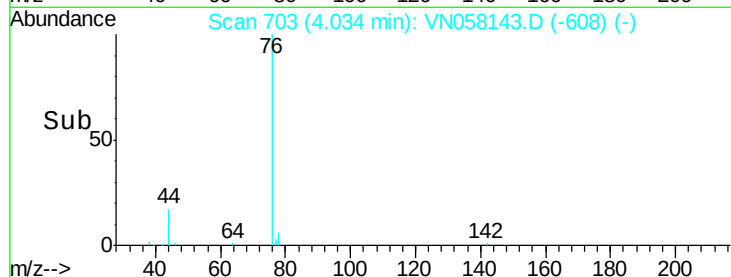
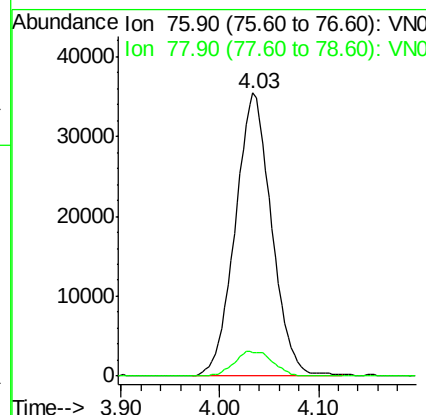
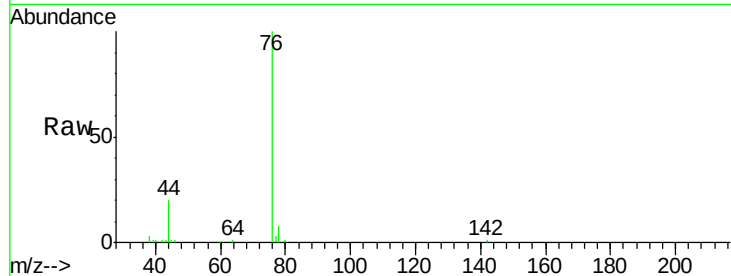
#17
Carbon Disulfide
Concen: 17.051 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7

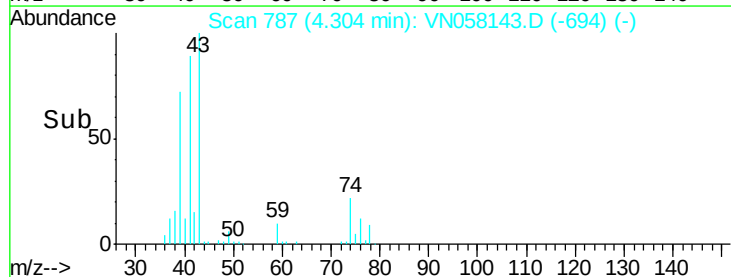
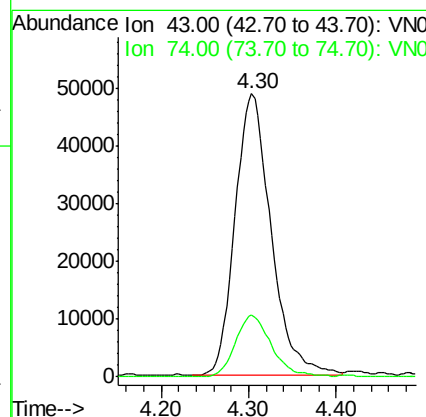
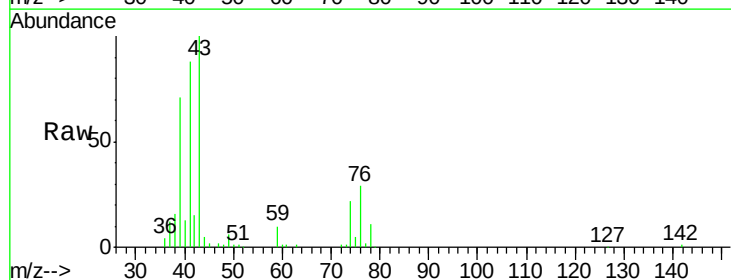
Manual Integrations
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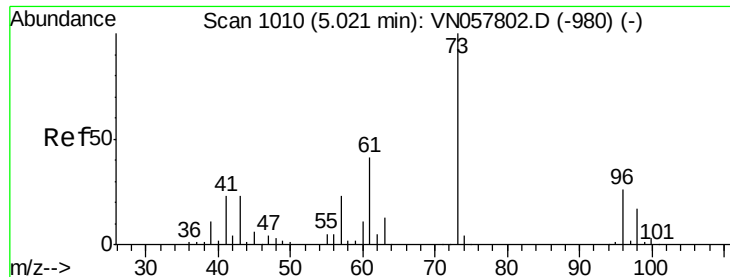
MMDadoda
9/18/2019 4:41:41 PM



#18
Methyl Acetate
Concen: 24.446 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.9	26.9





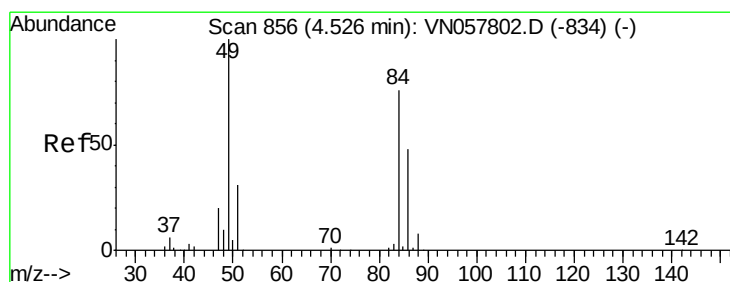
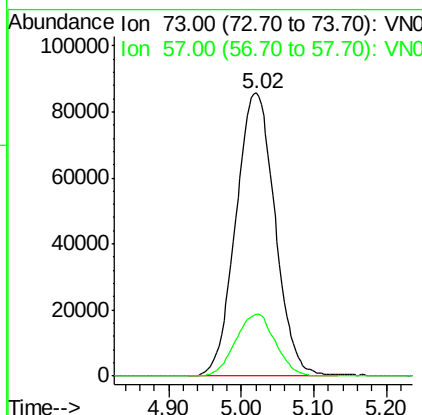
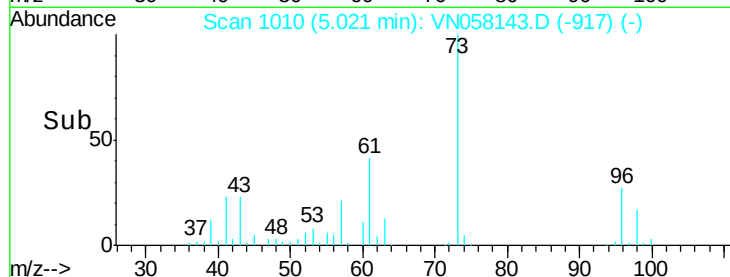
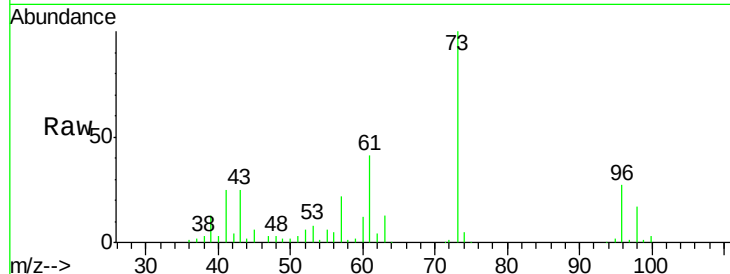
#19
Methvl tert-butyl Ether
Concen: 22.524 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion: 73 Resp: 322322
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.2

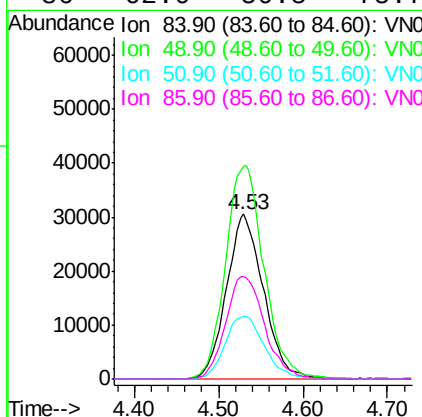
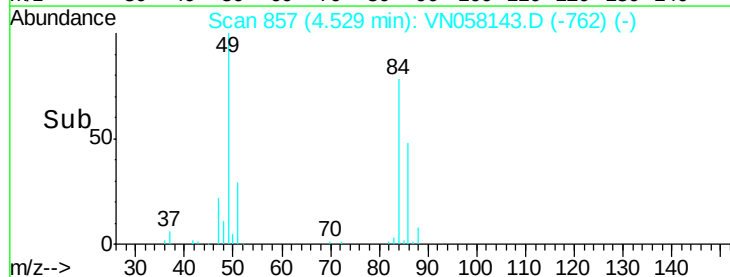
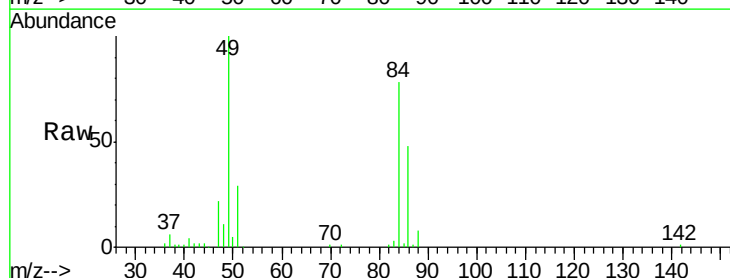
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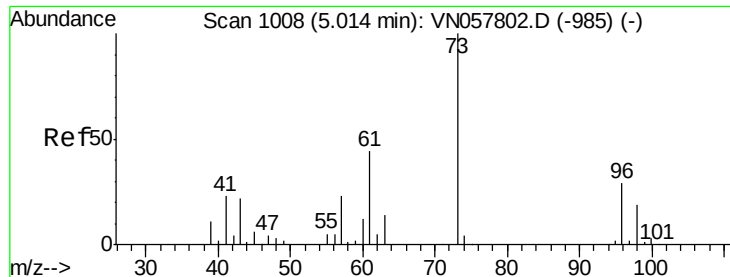
MMDadoda
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#20
Methylene Chloride
Concen: 22.086 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion: 84 Resp: 92958
Ion Ratio Lower Upper
84 100
49 128.3 104.8 157.2
51 38.0 33.0 49.4
86 62.0 50.5 75.7





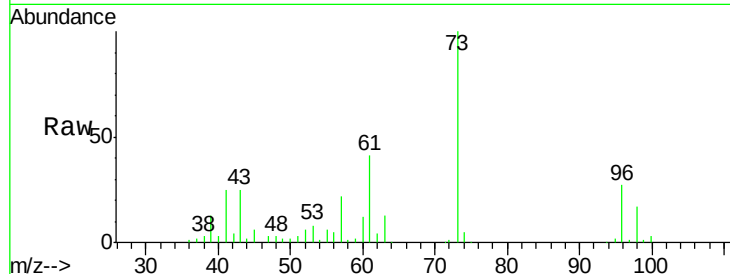
#21
trans-1,2-Dichloroethene
Concen: 19.970 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.9	182.9
98	62.0	52.2	78.4

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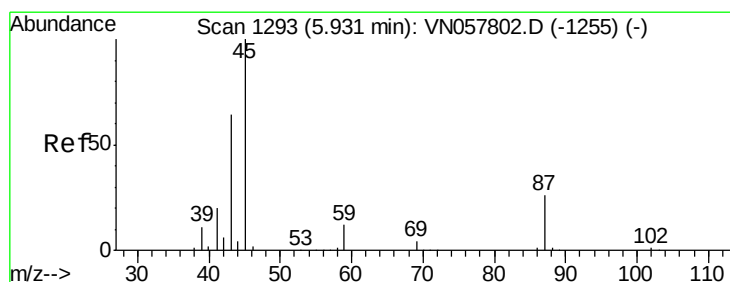
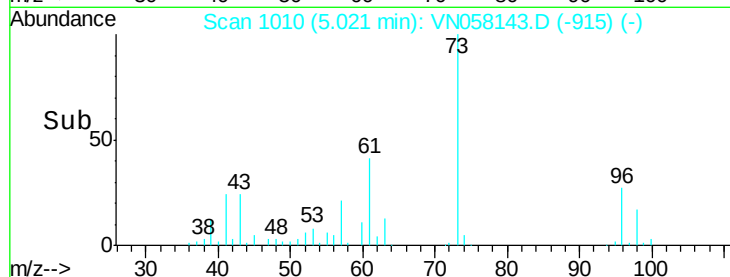
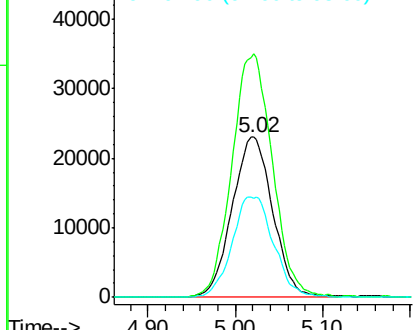


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 22.620 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.4	51.4	77.2
87	27.3	21.3	31.9
59	11.1	9.3	13.9

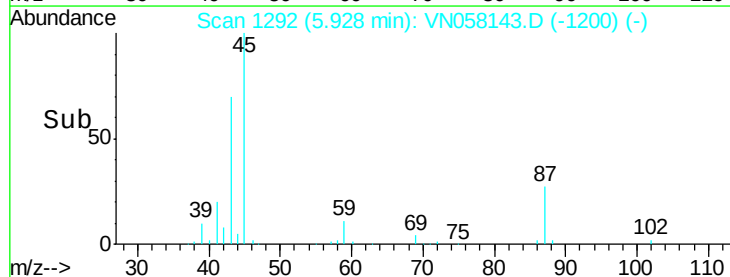
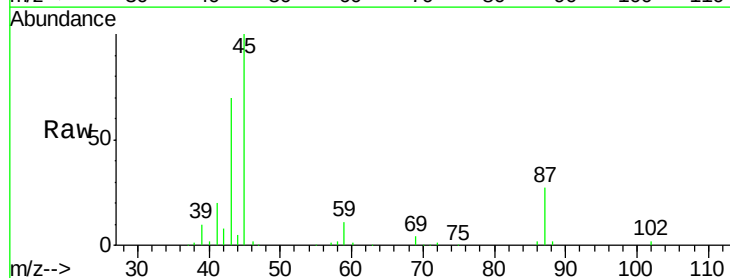
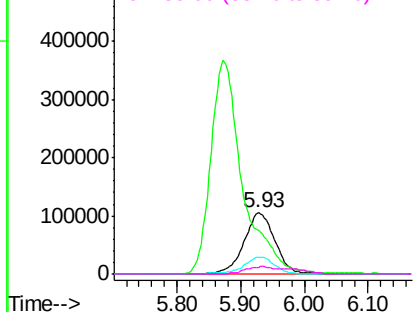
Abundance

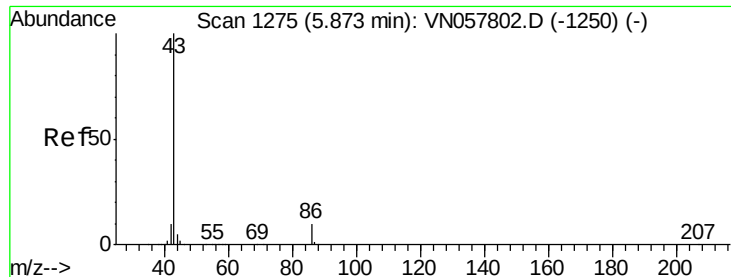
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 114.016 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 43 Resp: 1275170

Ion Ratio Lower Upper

43 100

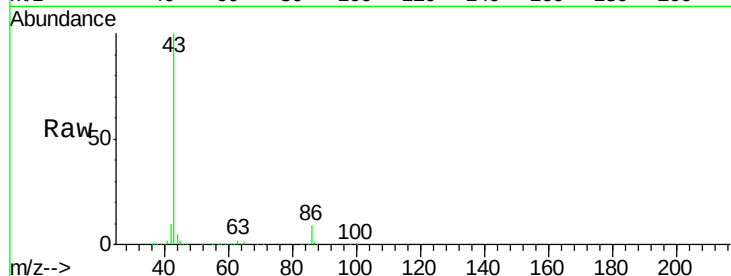
86 9.0 7.7 11.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

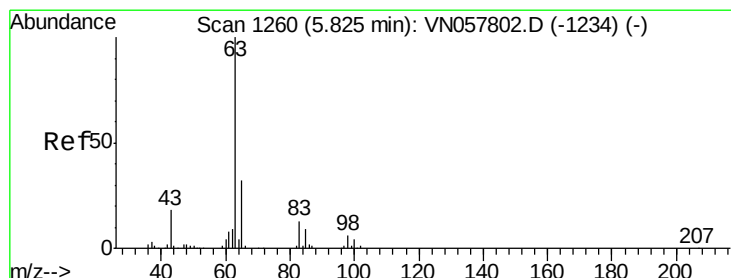
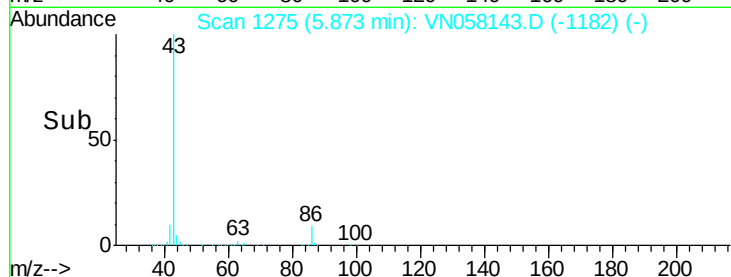
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.905 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

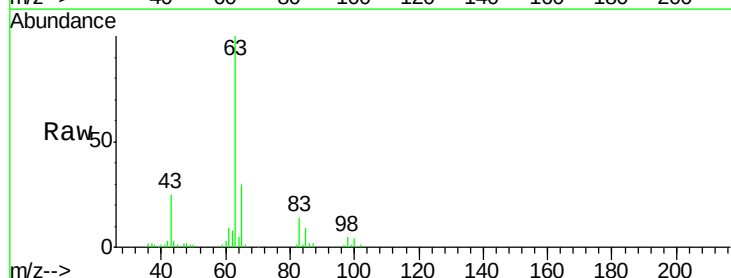
Tgt Ion: 63 Resp: 188924

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.8 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

5.83

80000

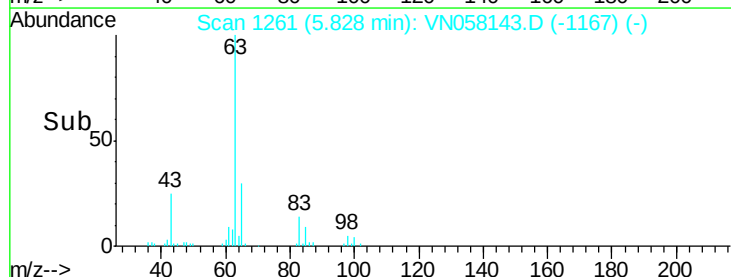
60000

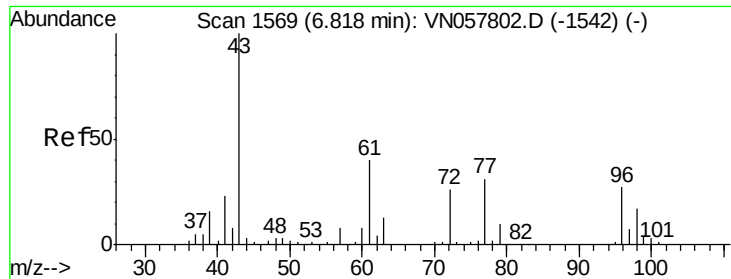
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.673 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 43 Resp: 331044

Ion Ratio Lower Upper

43 100

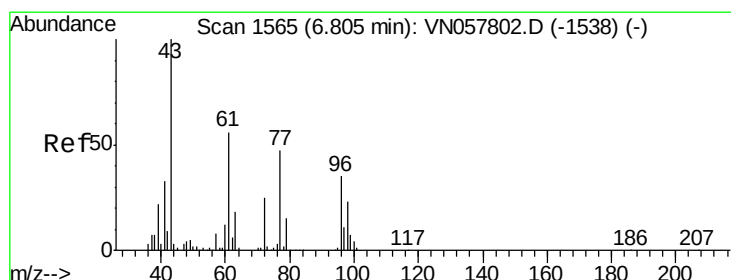
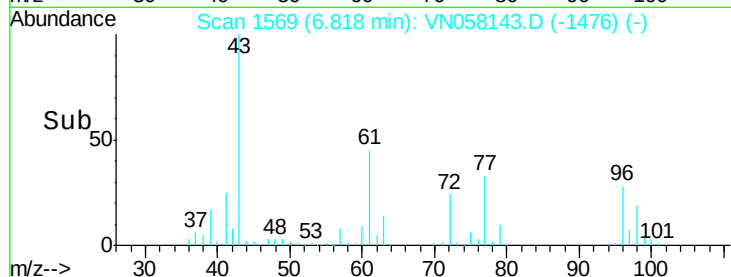
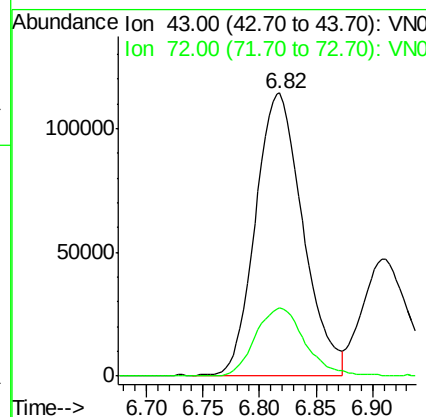
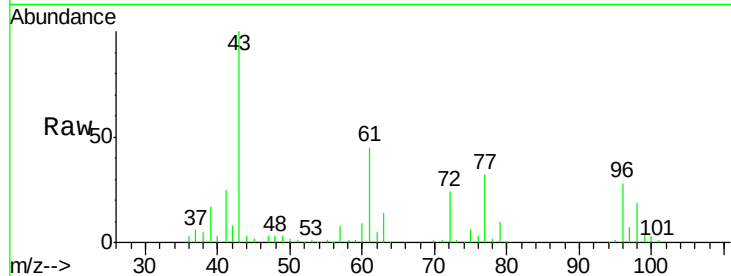
72 24.1 20.6 30.8

Manual Integrations

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MMDadoda

9/18/2019 4:41:41 PM



#26

2,2-Dichloropropane

Concen: 20.678 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058143.D

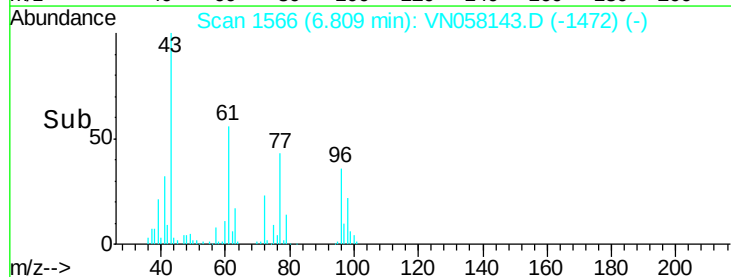
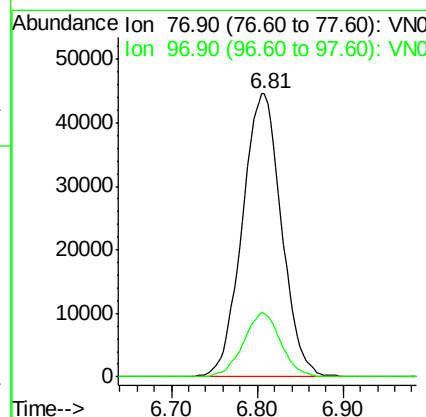
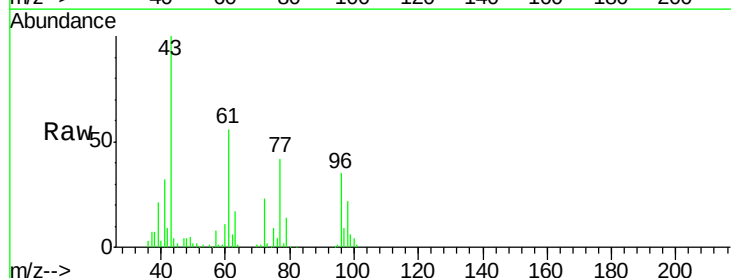
Acq: 17 Sep 2019 12:49

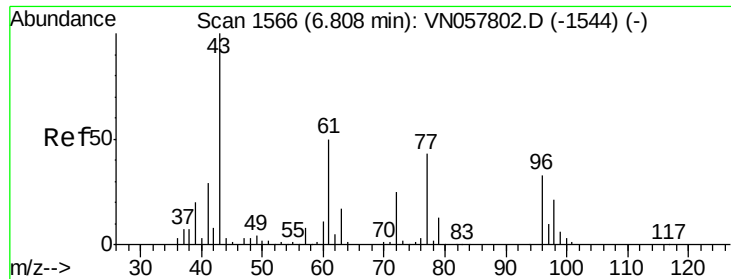
Tgt Ion: 77 Resp: 141138

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 21.449 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

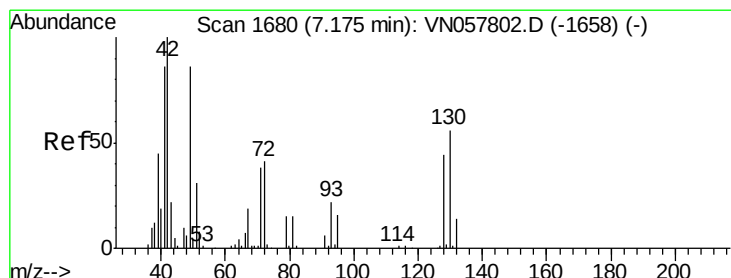
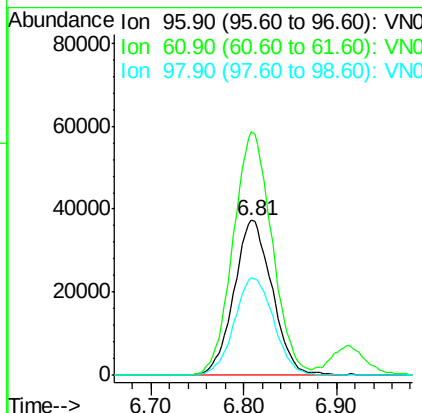
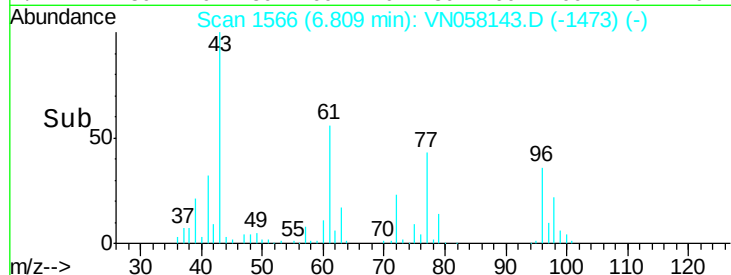
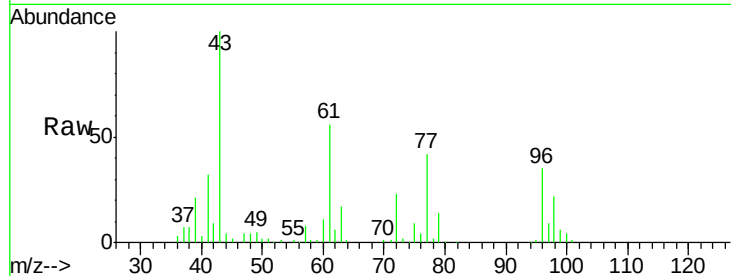
ClientSampled :

VN0917WBSD01

Tot Ion:	96	Resp:	106849
Ion Ratio	Lower	Upper	
96	100		
61	159.9	0.0	314.0
98	64.6	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.195 ug/l

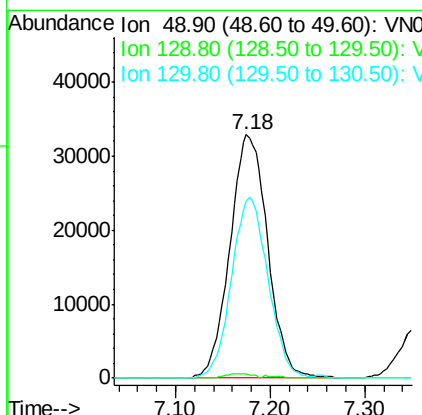
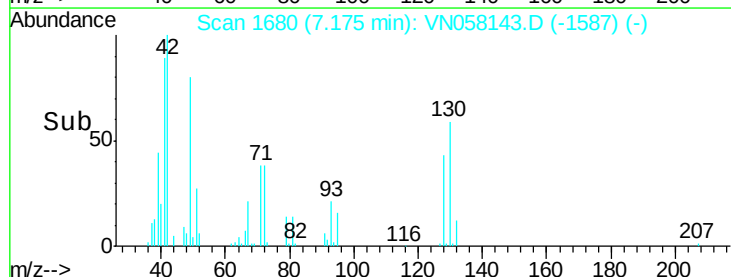
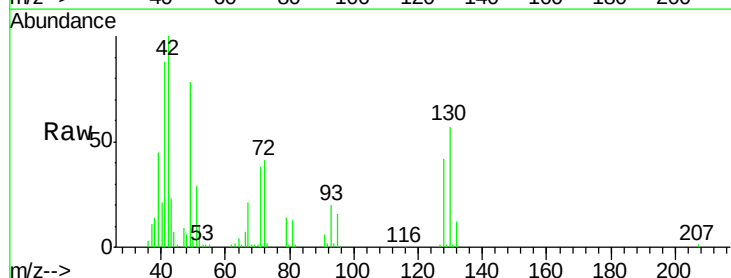
RT: 7.18 min Scan# 1680

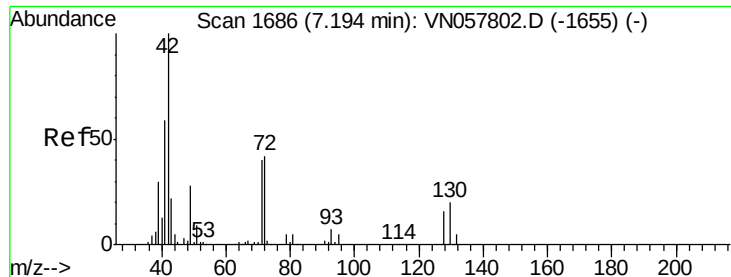
Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion:	49	Resp:	91328
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.8
130	71.8	53.0	79.6





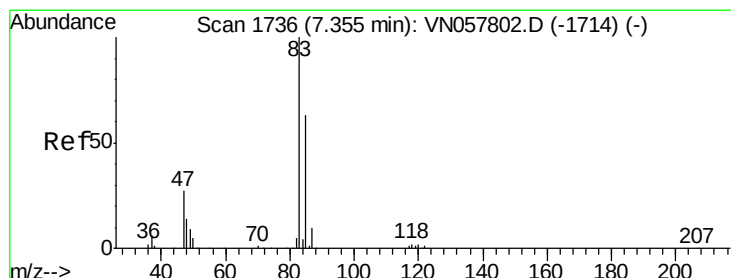
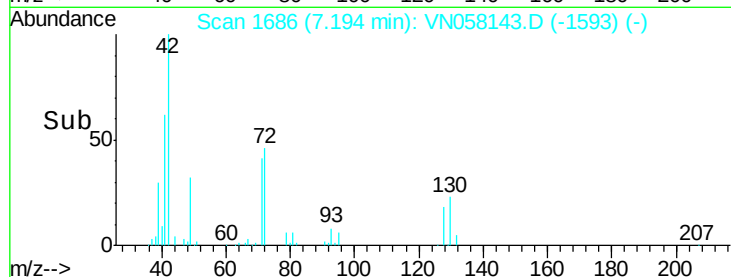
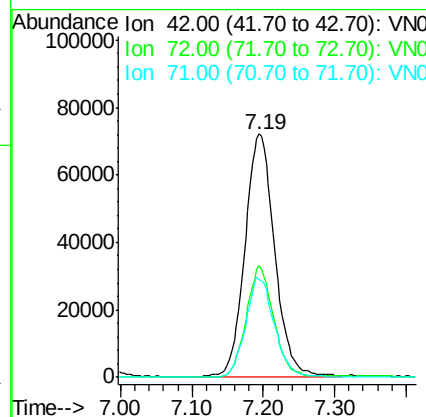
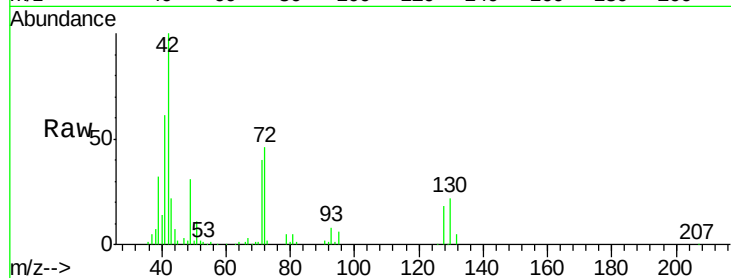
#29
Tetrahydrofuran
Concen: 108.831 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.7	50.5
71	40.0	31.9	47.9

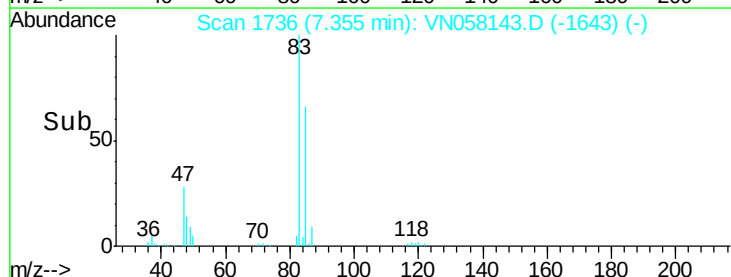
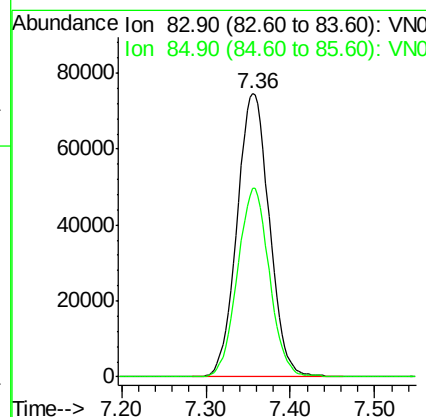
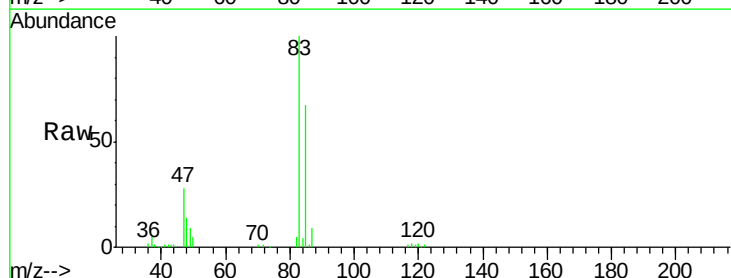
Manual Integrations
APPROVED

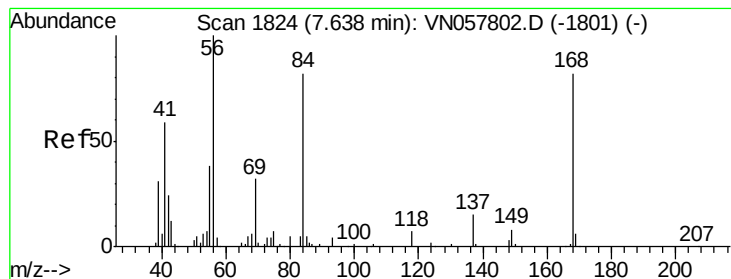
MMDadoda
9/18/2019 4:41:41 PM



#30
Chloroform
Concen: 22.084 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.6	75.8





#31

Cyclohexane

Concen: 20.636 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

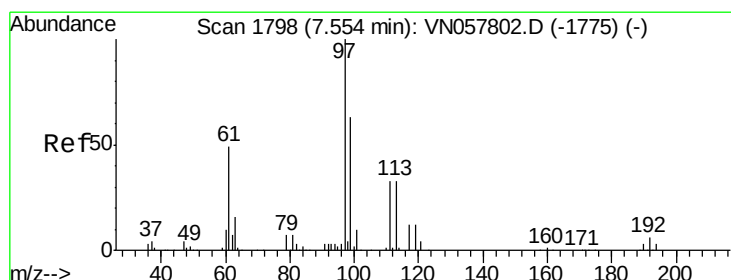
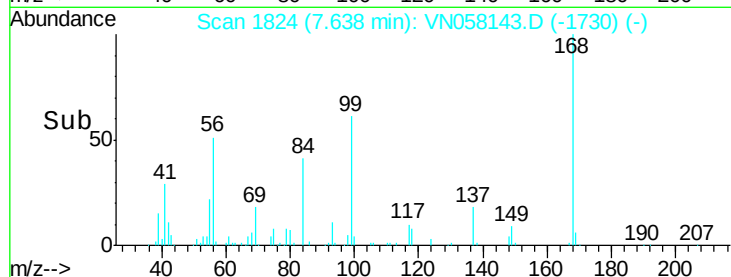
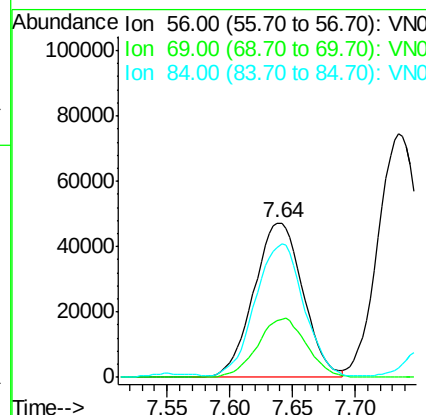
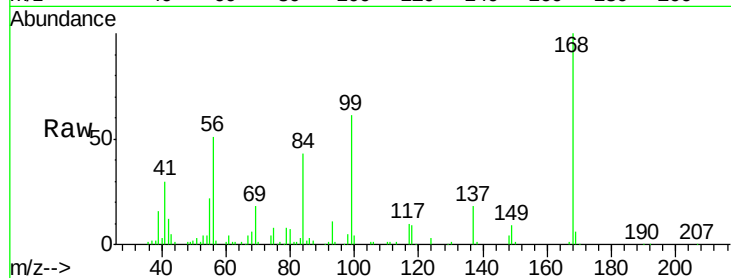
ClientSampleId :

VN0917WBSD01

Tot Ion	56	Resp	129005
Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.9	38.9
84	82.1	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.498 ug/l

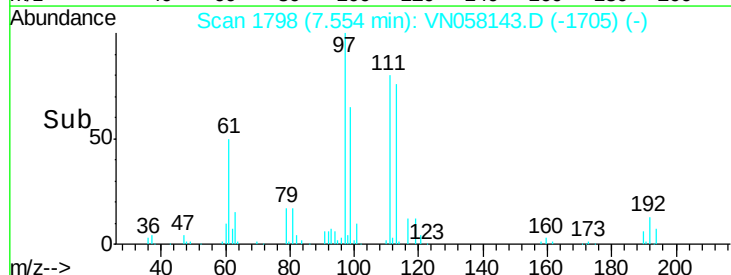
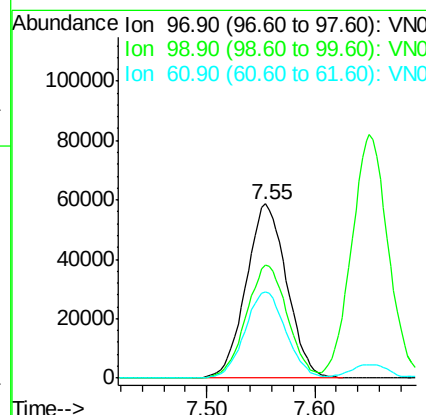
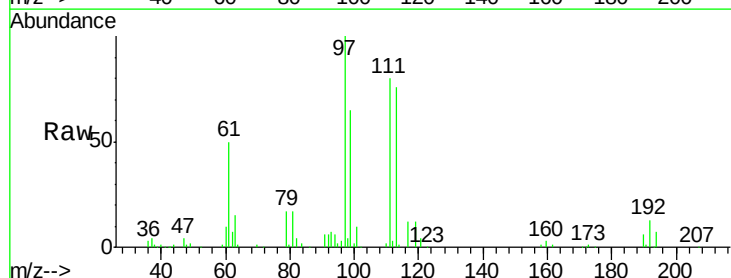
RT: 7.55 min Scan# 1798

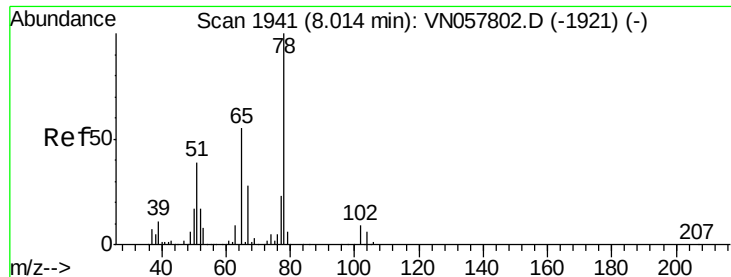
Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion	97	Resp	153760
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.4
61	49.8	39.0	58.6





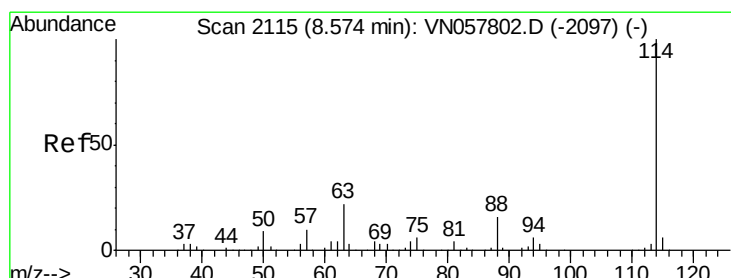
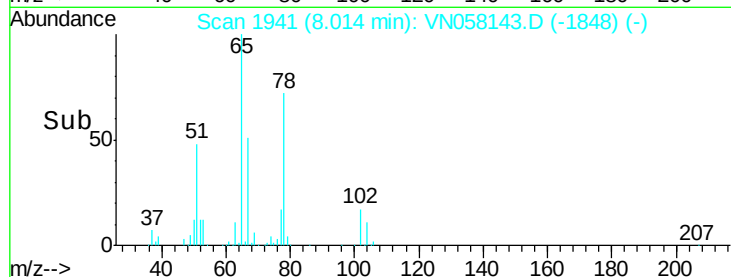
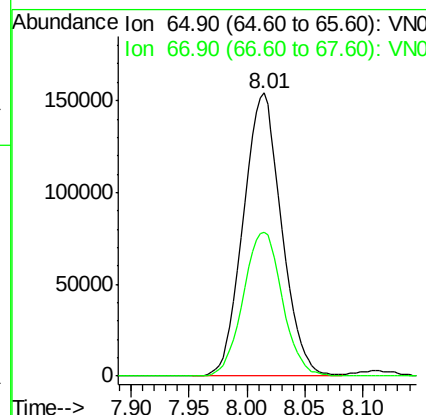
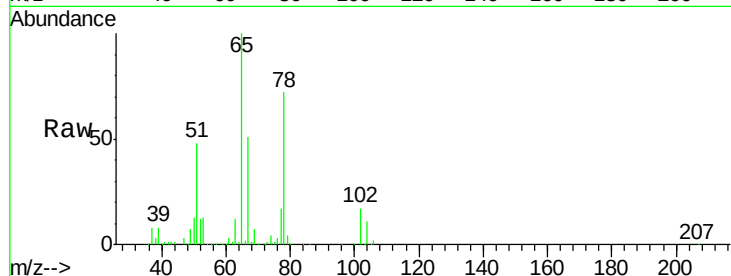
#33
 1,2-Dichloroethane-d4
 Concen: 54.078 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.0	

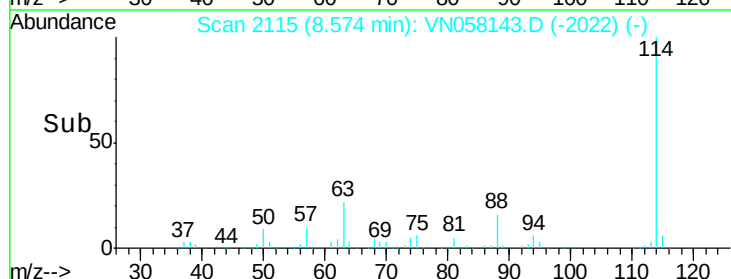
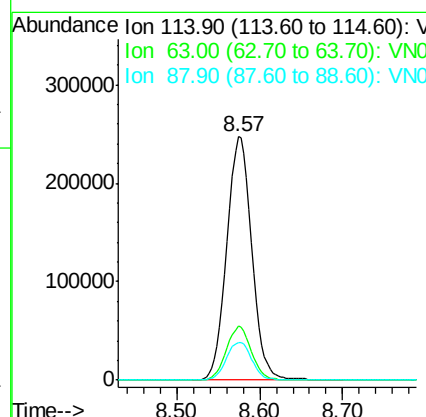
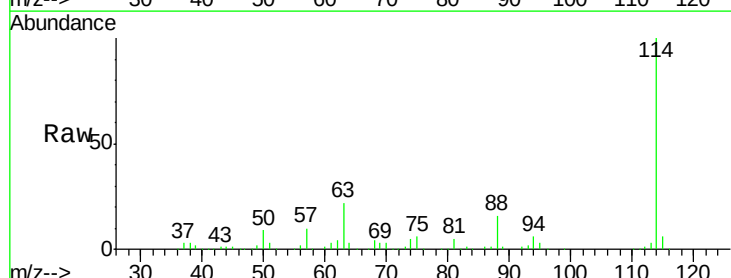
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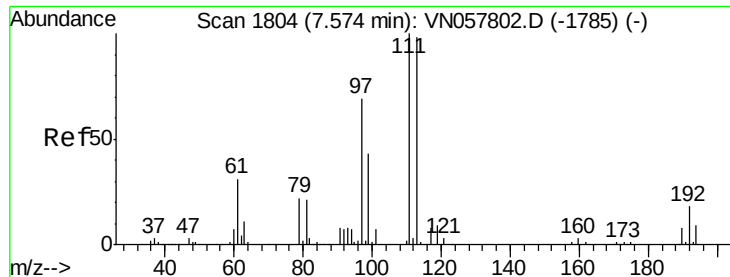
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	44.0	
88	15.5	0.0	31.4	





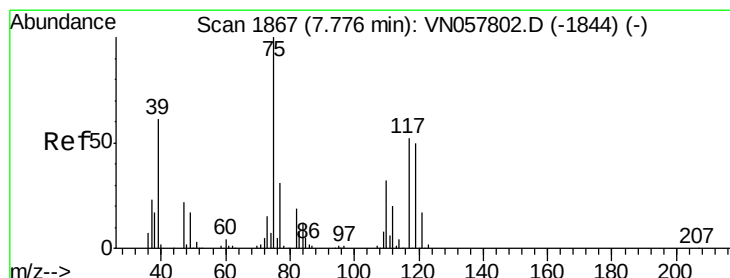
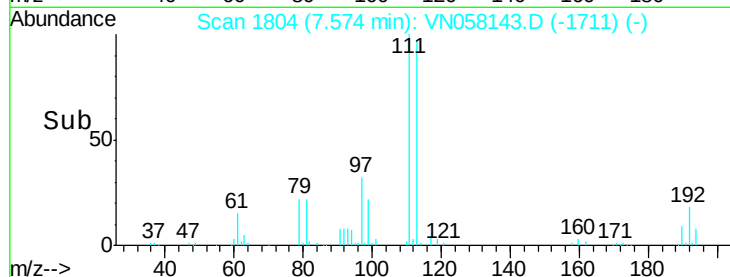
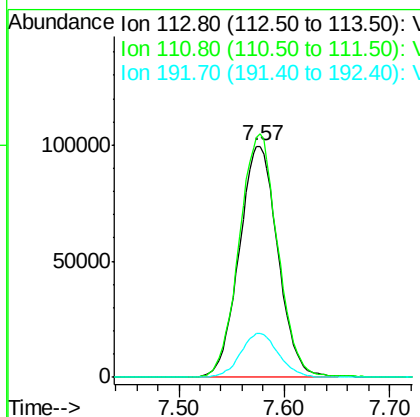
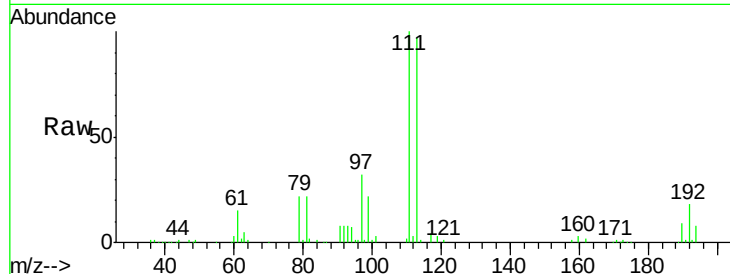
#35
 Dibromofluoromethane
 Concen: 53.047 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	253924		
111	105.0	81.3	121.9	
192	18.6	14.6	22.0	

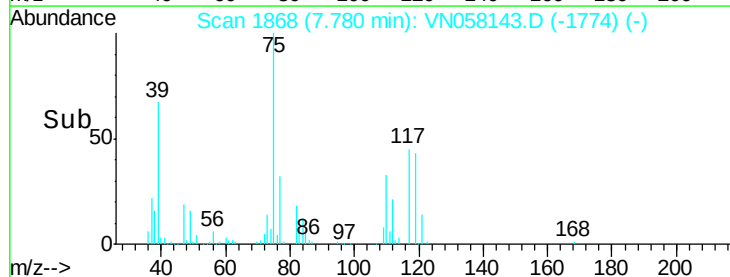
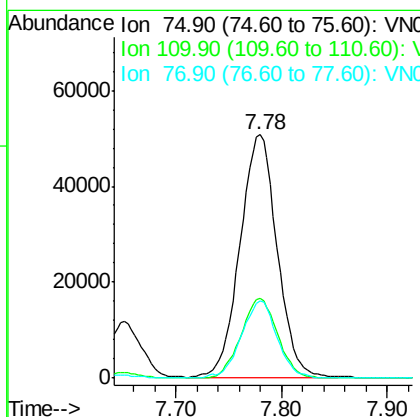
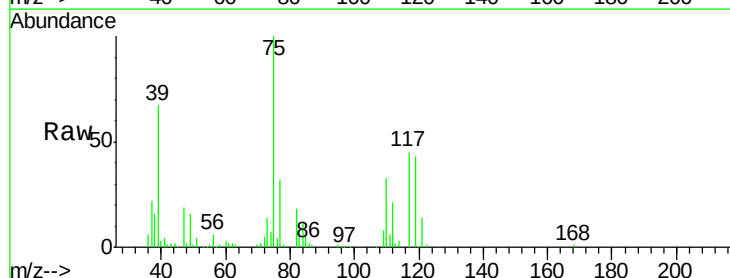
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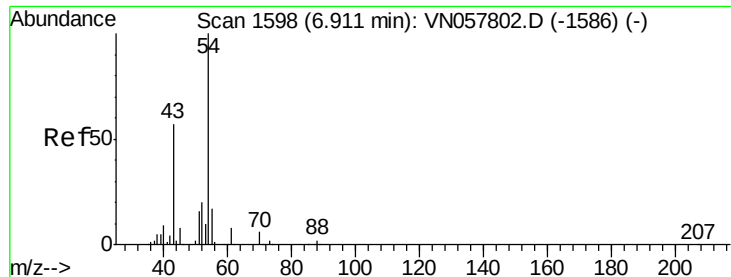
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.582 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123798		
110	32.4	16.3	48.9	
77	30.8	25.0	37.4	





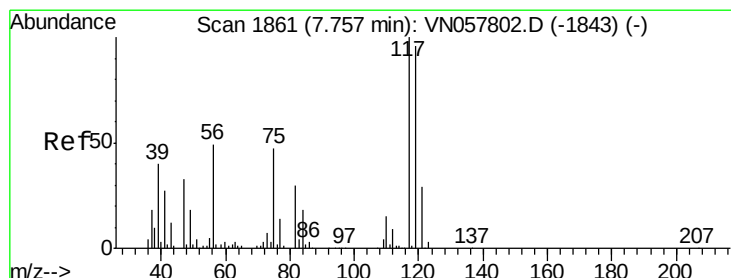
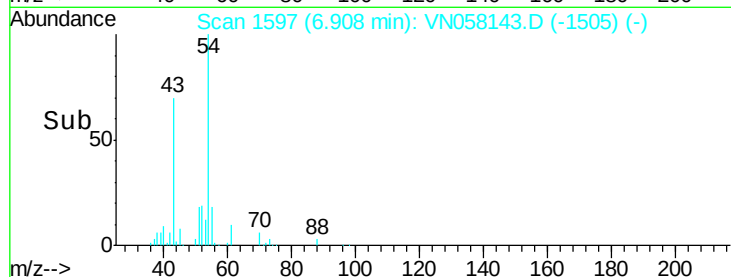
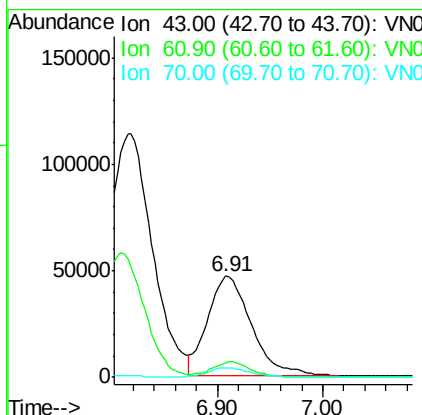
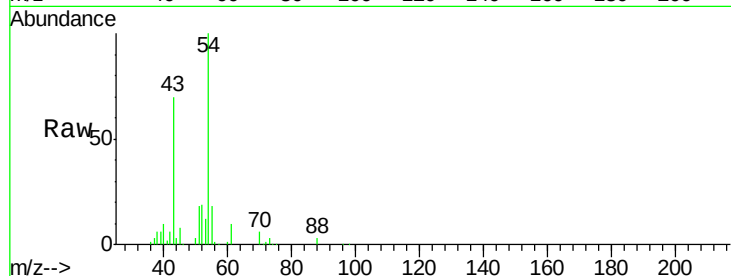
#37
Ethyl Acetate
Concen: 21.717 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	43	Ratio	Lower	Upper
134957	100			
61	13.5	10.5	15.7	
70	9.3	7.4	11.0	

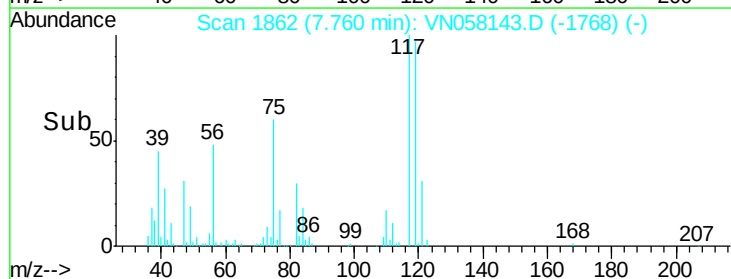
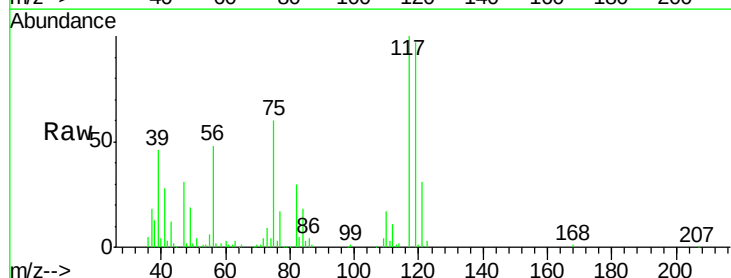
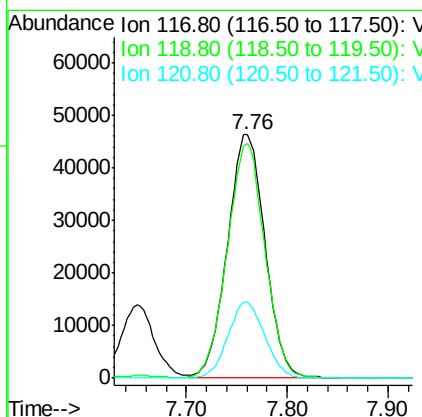
Manual Integrations
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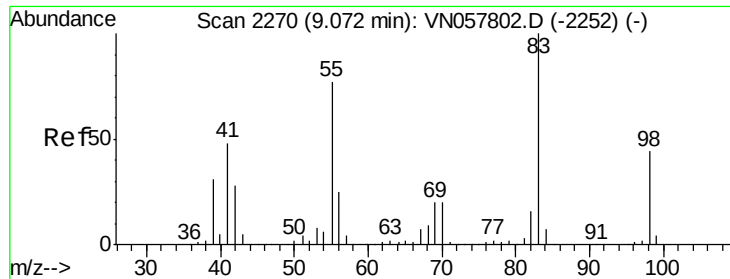
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#38
Carbon Tetrachloride
Concen: 21.926 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	117	Ratio	Lower	Upper
120408	100			
119	96.5	76.9	115.3	
121	31.1	23.4	35.2	





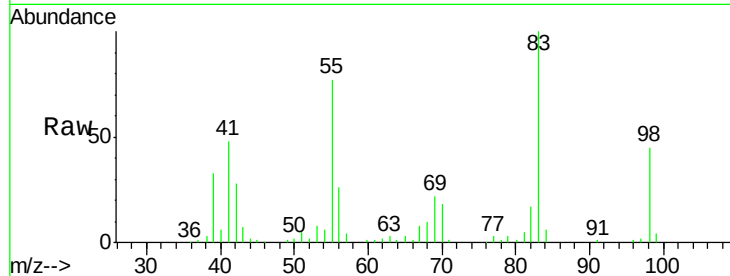
#39
Methylvlcyclohexane
Concen: 19.325 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

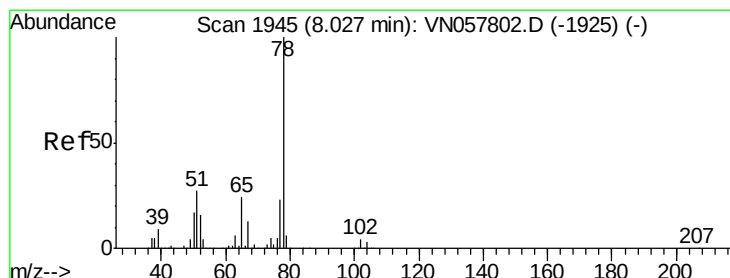
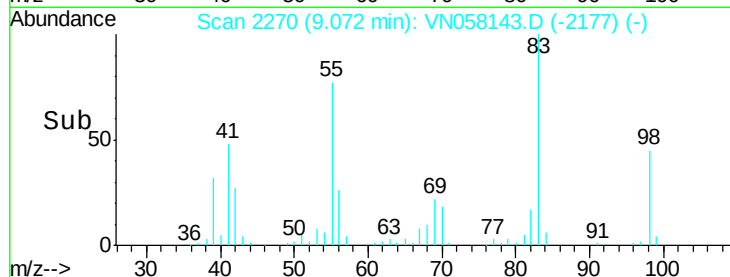
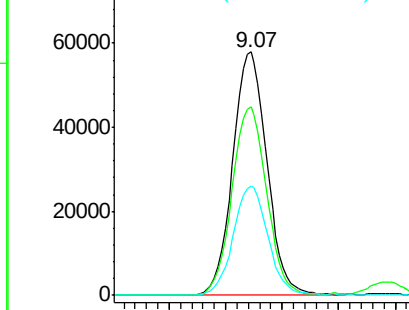
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	61.6	92.4	
98	44.8	34.9	52.3	

Manual Integrations
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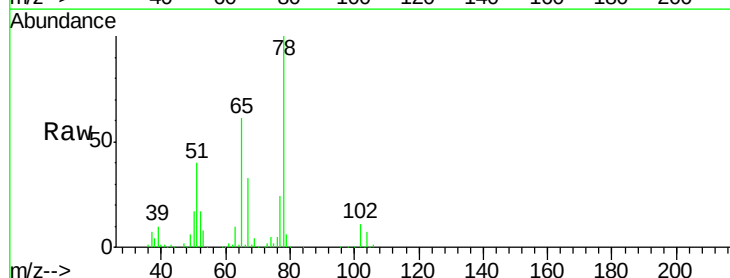


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

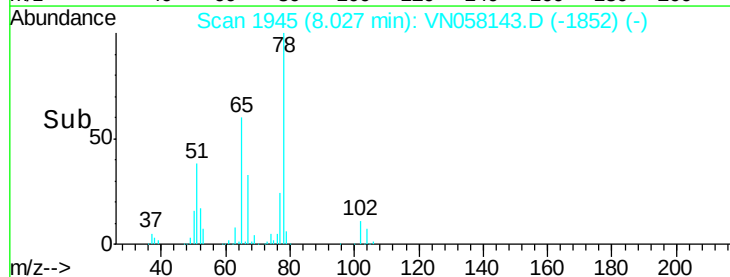
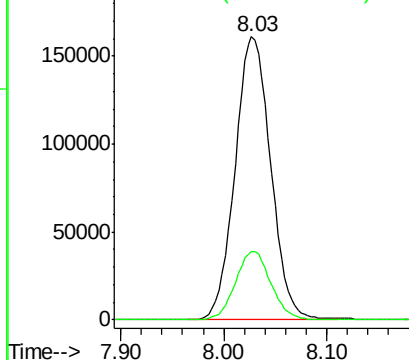


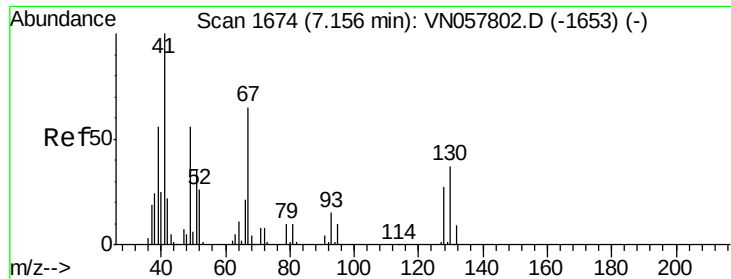
#40
Benzene
Concen: 21.412 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





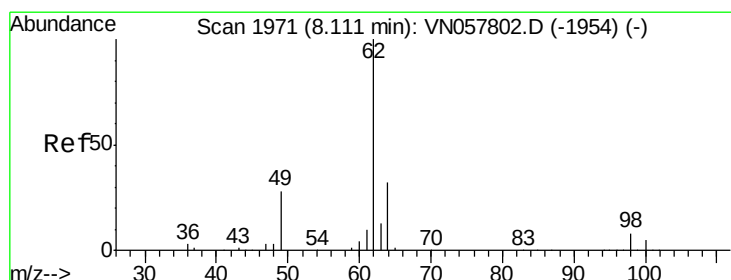
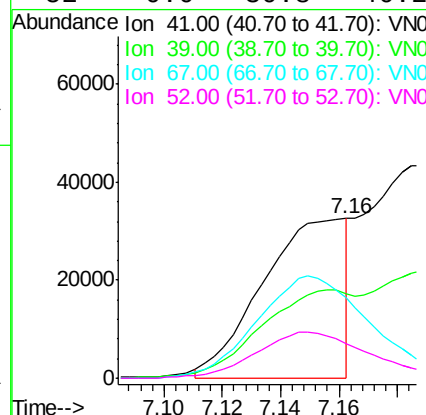
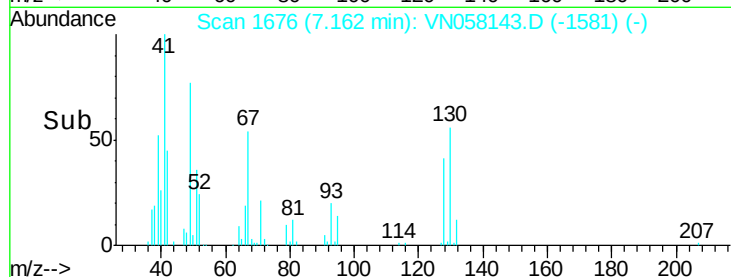
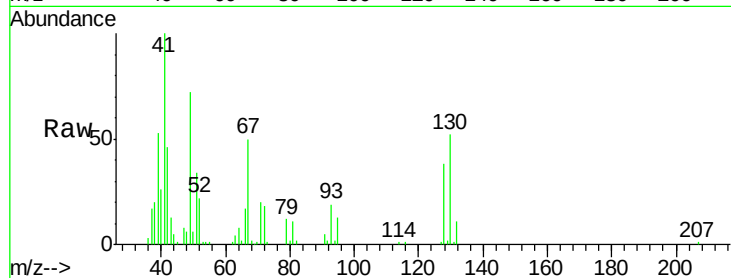
#41
Methacrylonitrile
Concen: 22.970 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

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#

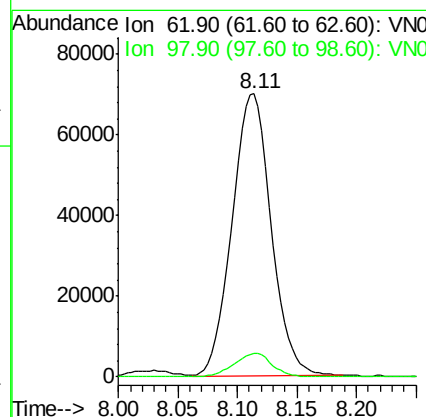
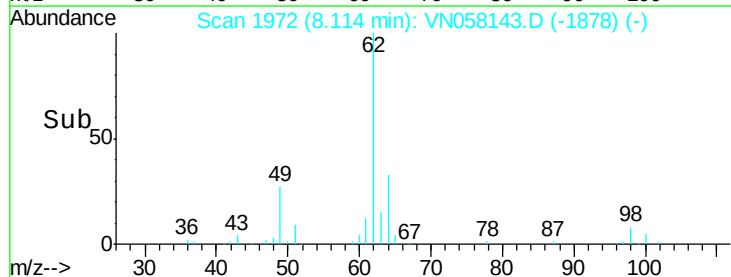
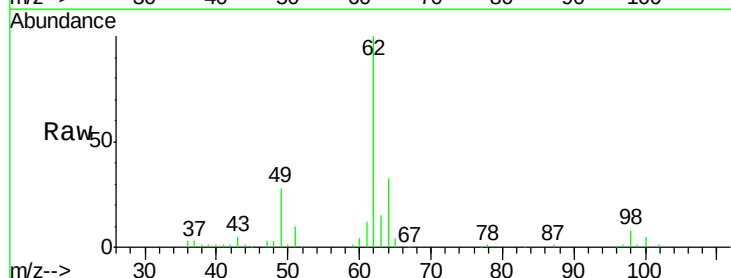
Manual Integrations
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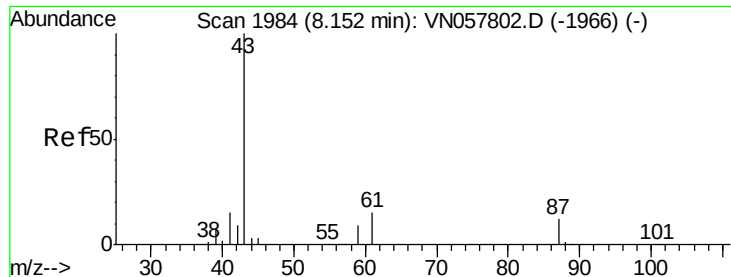
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.054 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 25.480 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

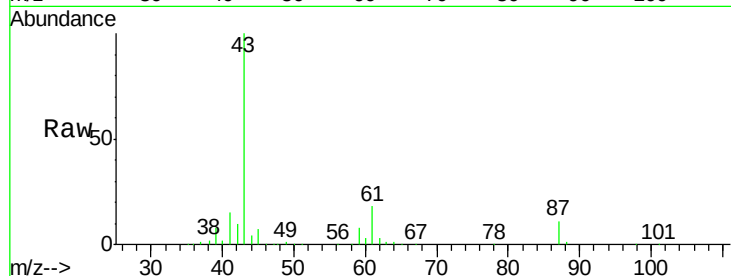
ClientSampleId :

VN0917WBSD01

Tot Ion:	43	Resp:	266283
Ion	Ratio	Lower	Upper
43	100		
61	15.8	20.1	30.1#
87	10.3	9.5	14.3

Manual Integrations
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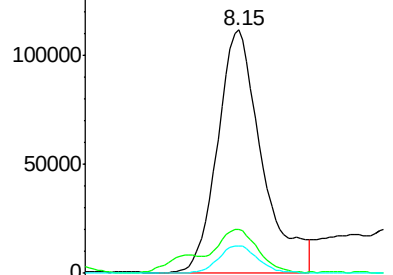
MMDadoda
9/18/2019 4:41:41 PM



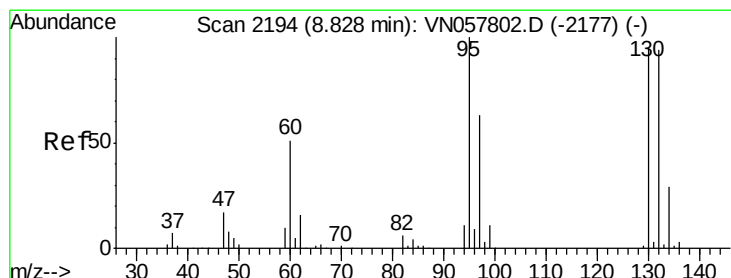
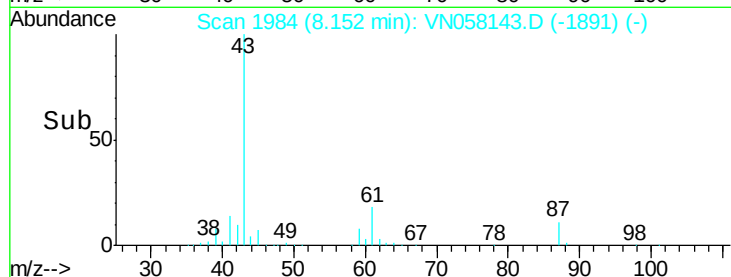
Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



Time-->



#44

Trichloroethene

Concen: 21.175 ug/l

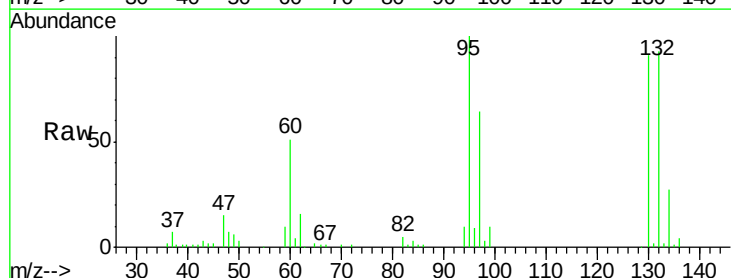
RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058143.D

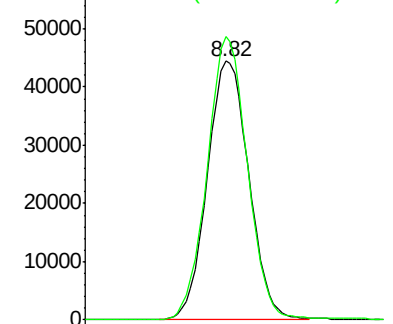
Acq: 17 Sep 2019 12:49

Tgt Ion:	130	Resp:	94049
Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	211.4

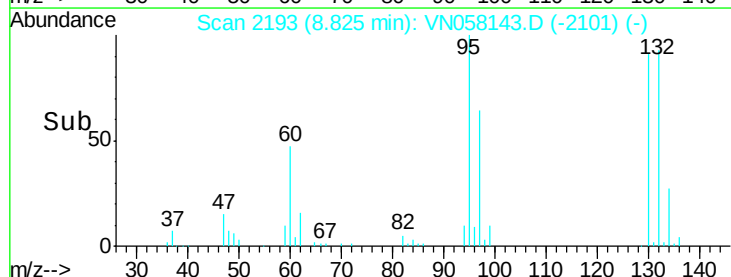


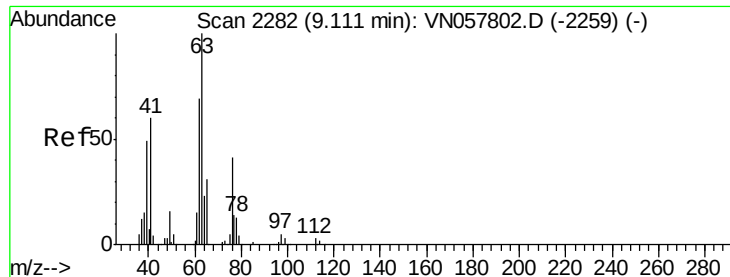
Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)



Time-->





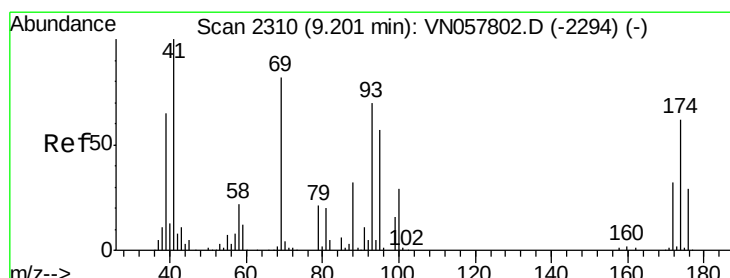
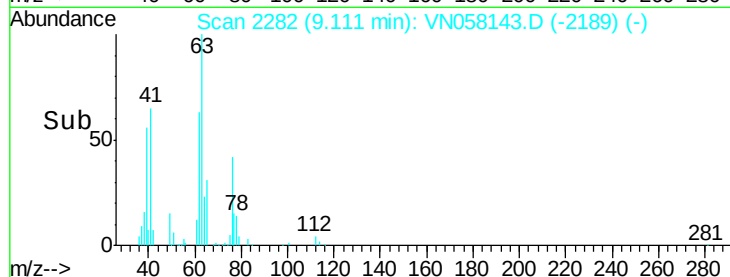
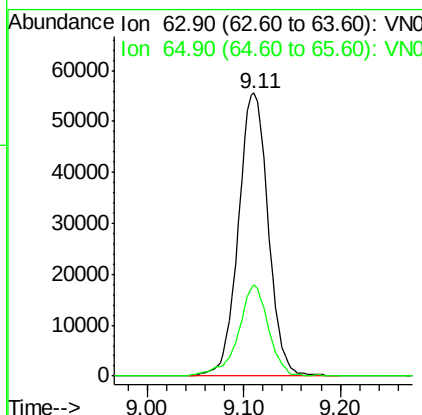
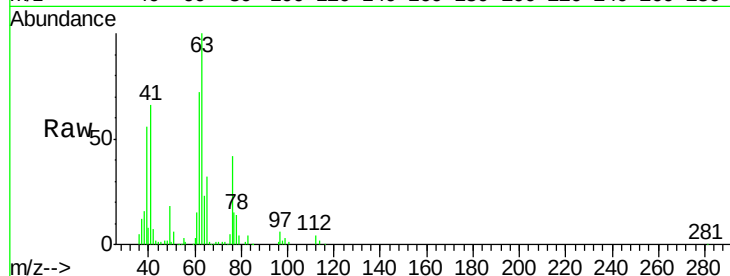
#45
 1,2-Dichloropropane
 Concen: 22.634 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.8	37.2

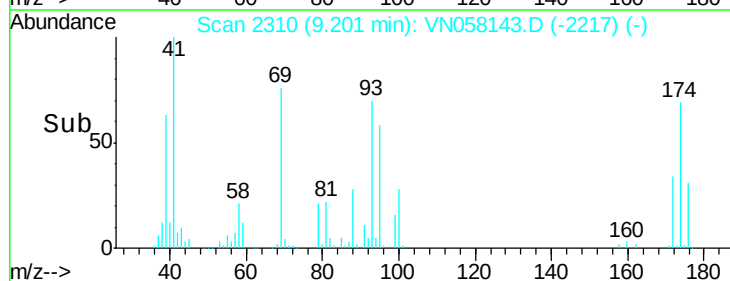
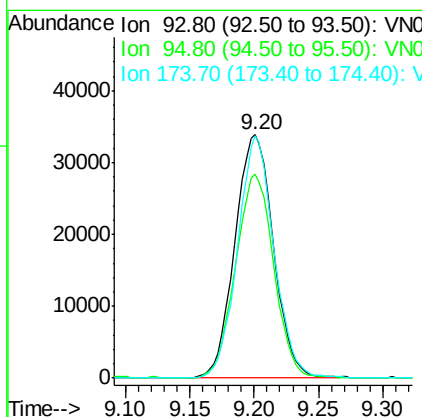
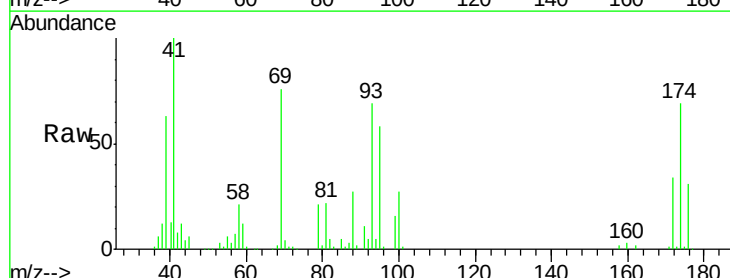
Manual Integrations
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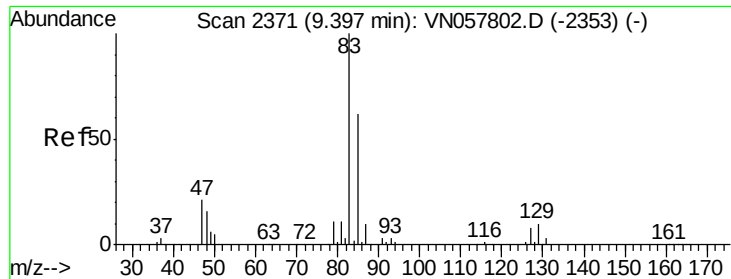
MMDadoda
 9/18/2019 4:41:41 PM



#46
 Dibromomethane
 Concen: 22.189 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	93.7	71.8	107.6





#47

Bromodichloromethane

Concen: 22.820 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

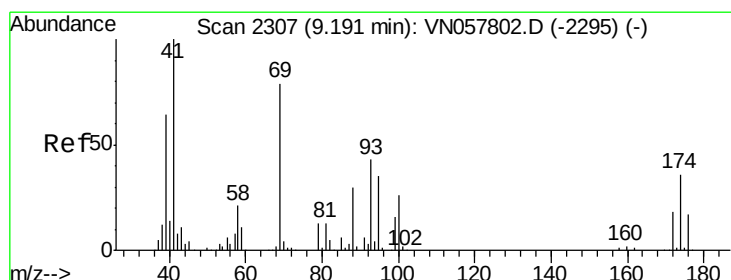
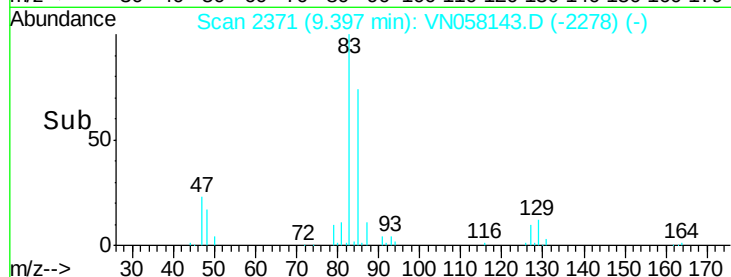
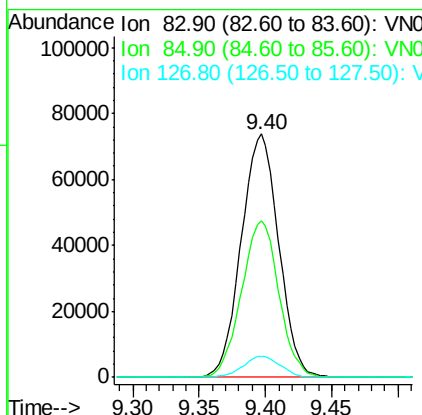
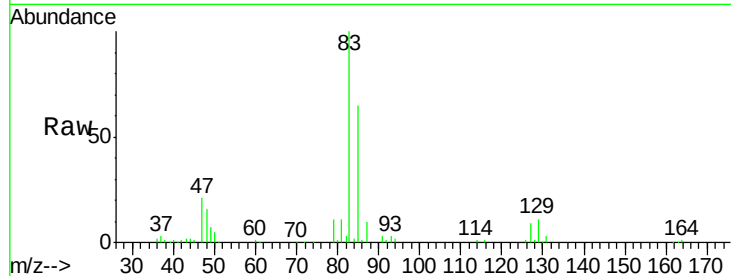
ClientSampled :

VN0917WBSD01

Tot Ion:	83	Resp:	145100
Ion Ratio	Lower	Upper	
83	100		
85	64.6	49.9	74.9
127	8.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.023 ug/l

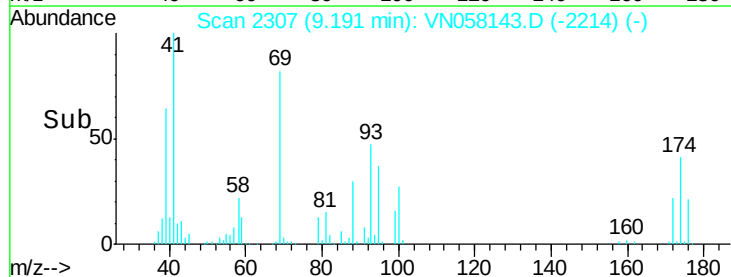
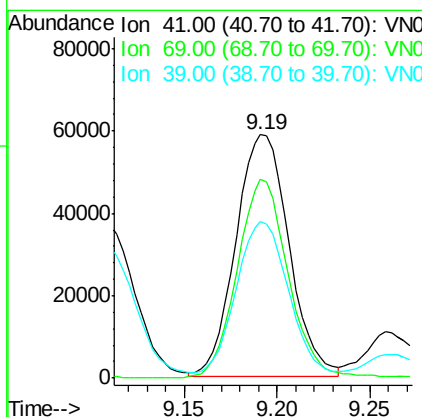
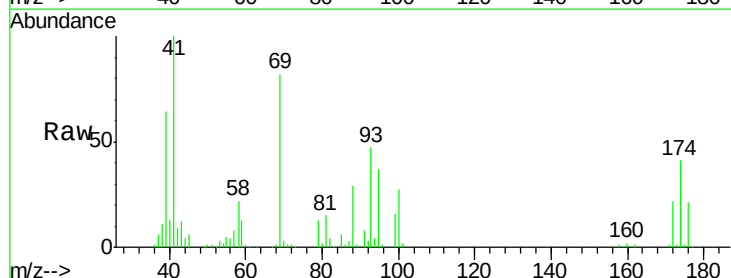
RT: 9.19 min Scan# 2307

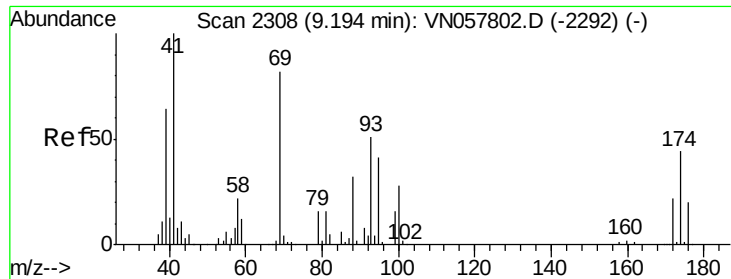
Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion:	41	Resp:	116751
Ion Ratio	Lower	Upper	
41	100		
69	79.4	62.7	94.1
39	64.1	52.7	79.1





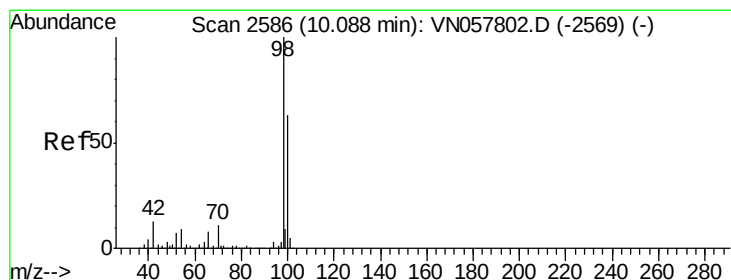
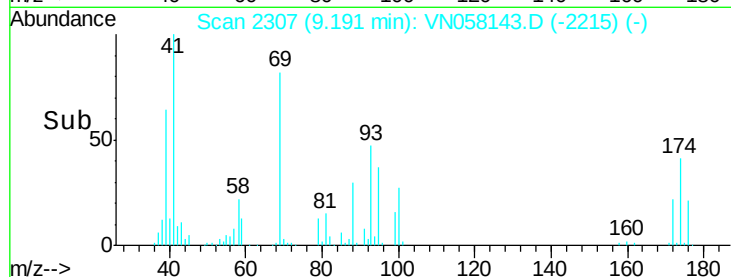
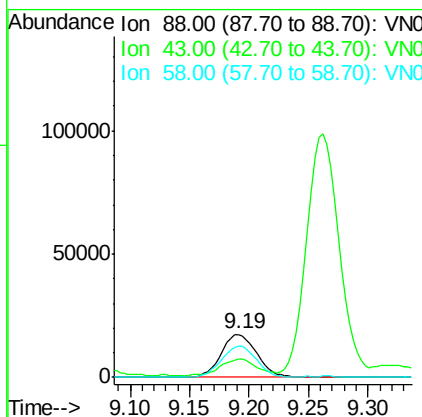
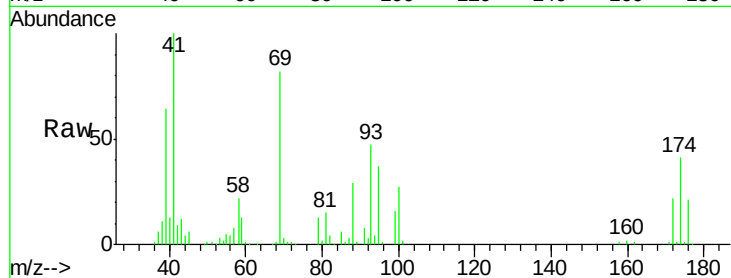
#49
 1,4-Dioxane
 Concen: 403.519 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.5	42.7
58	71.1	55.8	83.6

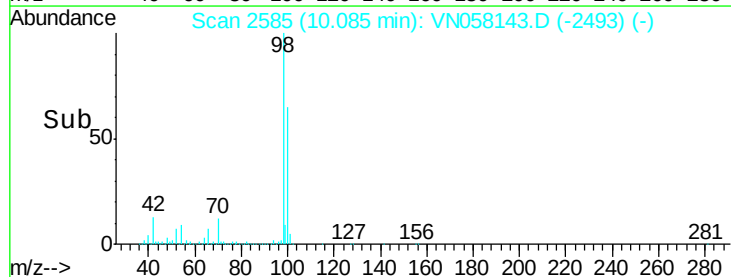
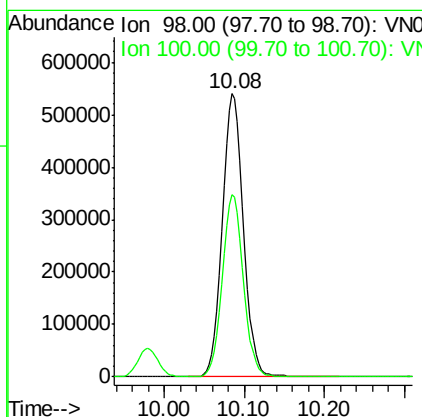
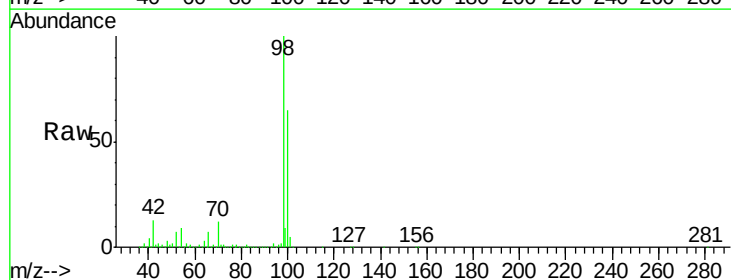
Manual Integrations
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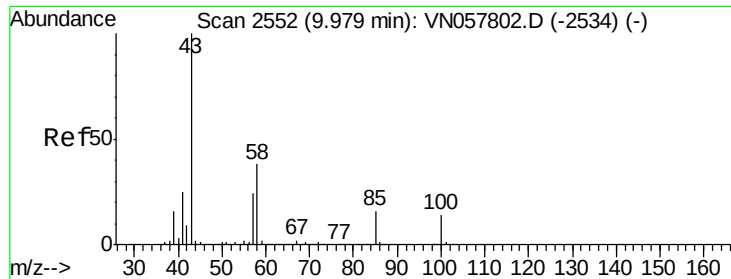
MMDadoda
 9/18/2019 4:41:41 PM



#50
 Toluene-d8
 Concen: 52.918 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.3	75.5





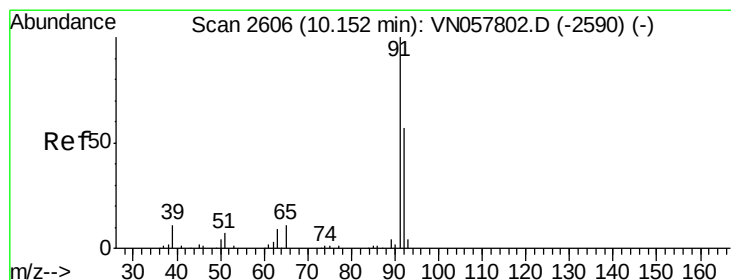
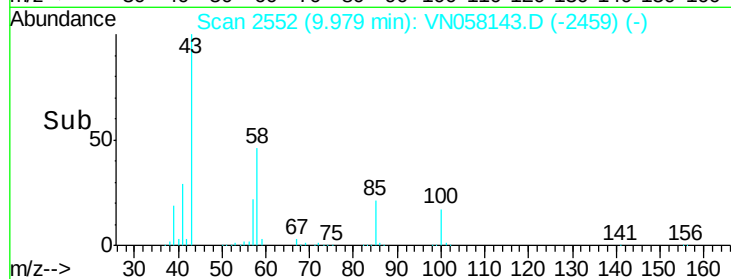
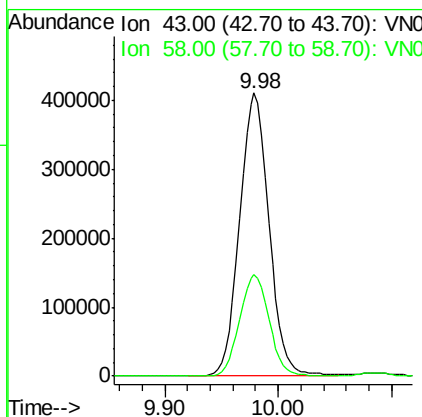
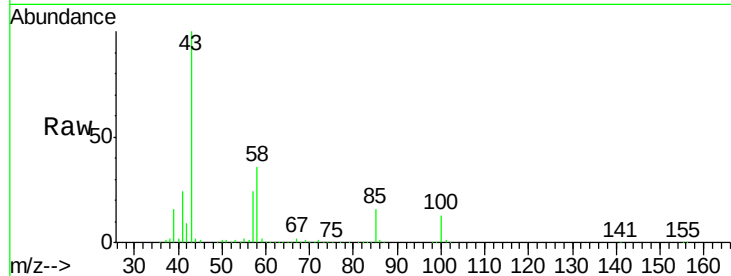
#51
 4-Methyl-2-Pentanone
 Concen: 119.402 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		36.4		29.8	44.6

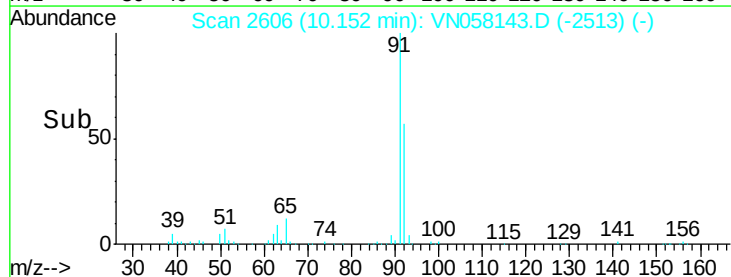
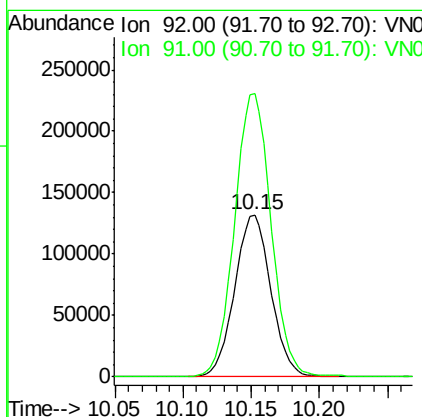
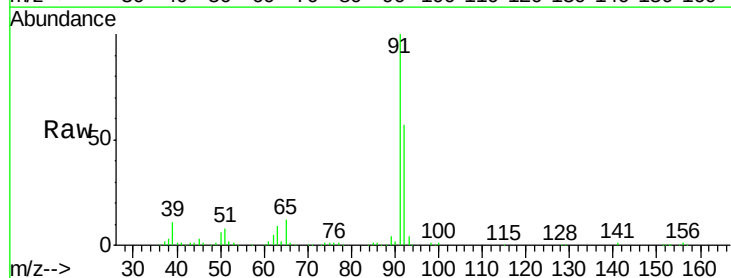
Manual Integrations
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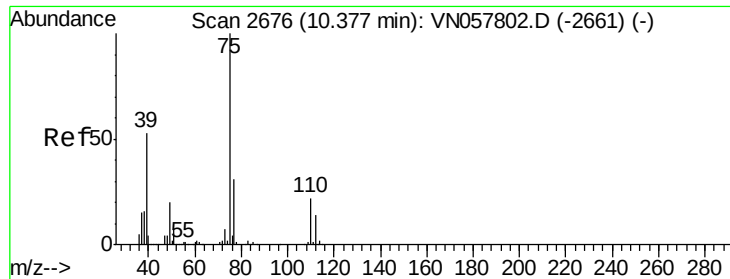
MMDadoda
 9/18/2019 4:41:41 PM



#52
 Toluene
 Concen: 21.315 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91		176.4		141.0	211.6





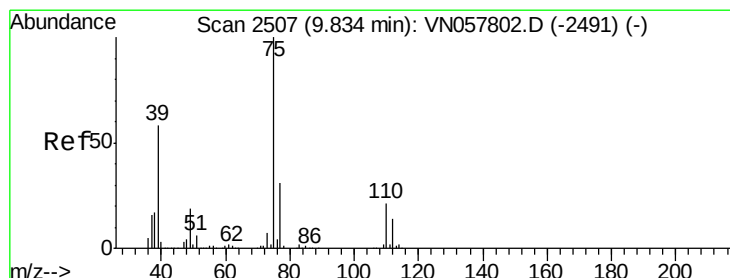
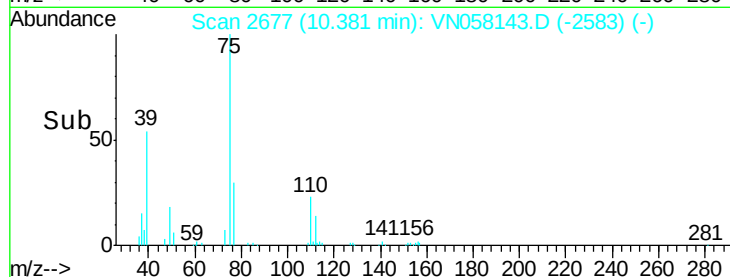
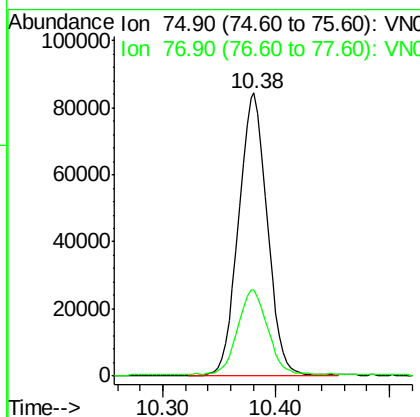
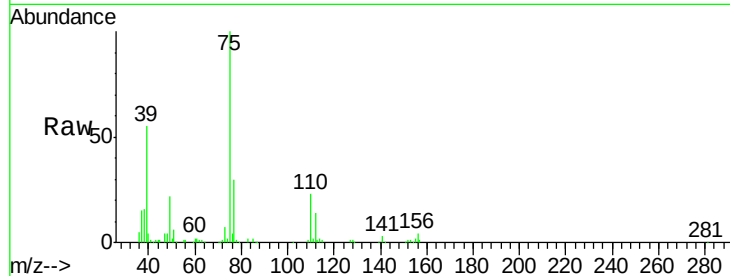
#53
t-1,3-Dichloropropene
Concen: 22.362 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.5	36.7

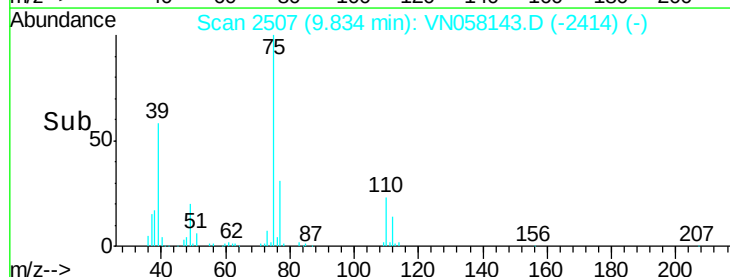
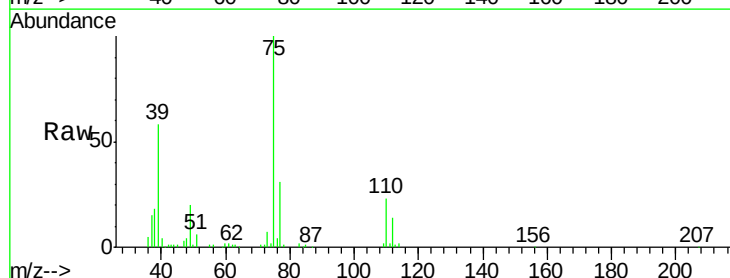
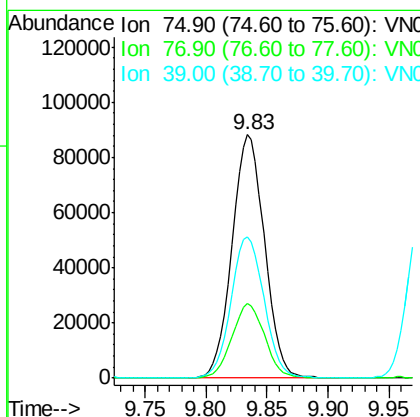
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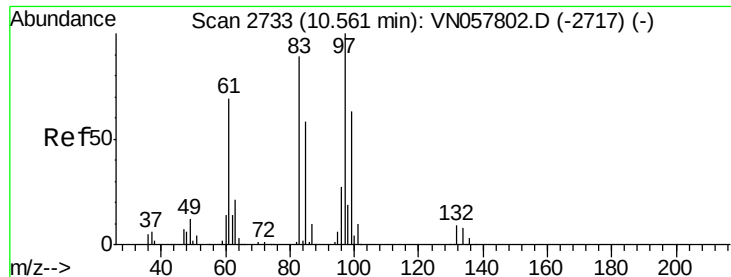
MMDadoda
9/18/2019 4:41:41 PM



#54
cis-1,3-Dichloropropene
Concen: 22.084 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.8	37.2
39	57.9	46.2	69.4





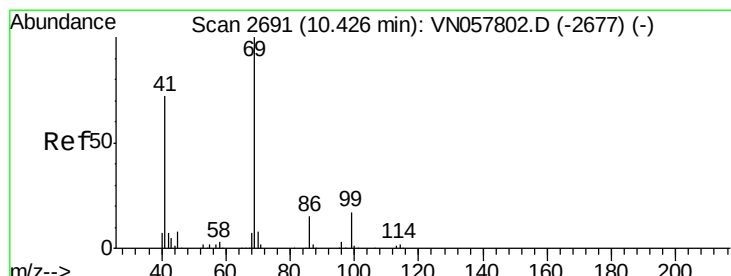
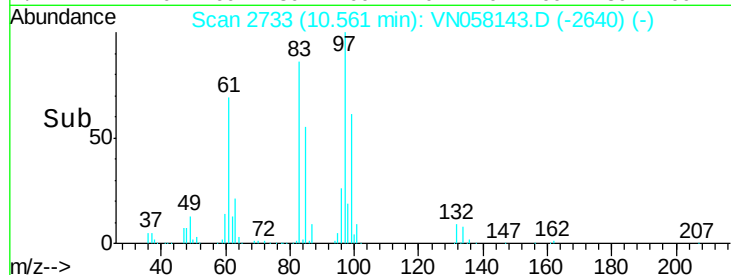
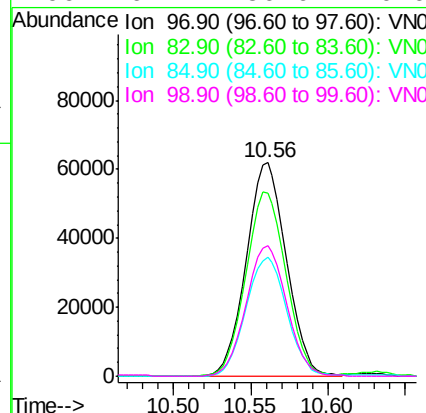
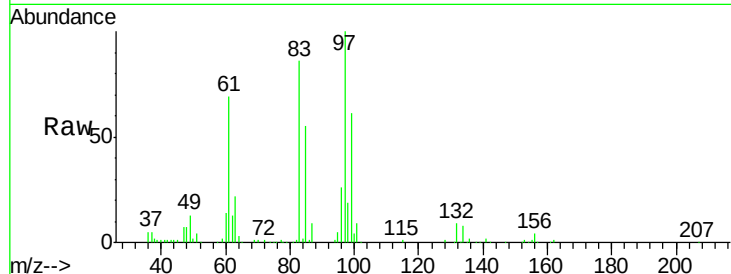
#55
 1,1,2-Trichloroethane
 Concen: 23.221 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion:	97	Resp:	112185
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.8	106.2
85	55.5	46.0	69.0
99	61.4	50.6	76.0

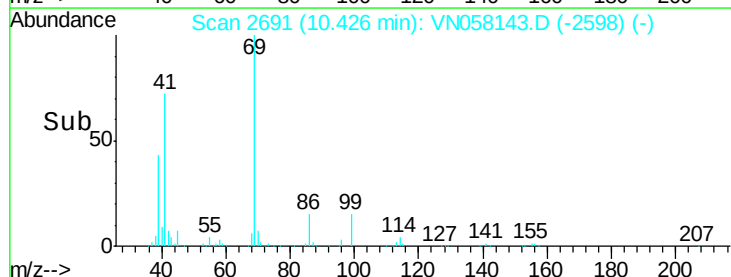
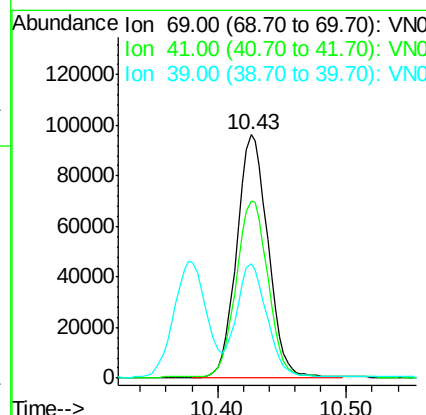
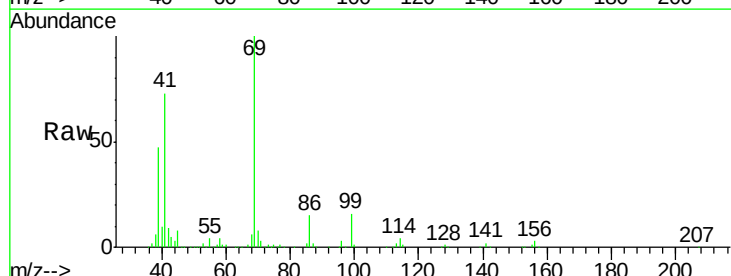
Manual Integrations
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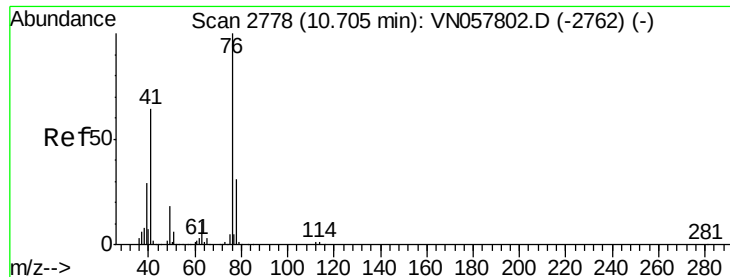
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 9/18/2019 4:41:41 PM



#56
 Ethyl methacrylate
 Concen: 22.412 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion:	69	Resp:	163055
Ion	Ratio	Lower	Upper
69	100		
41	72.6	56.7	85.1
39	45.2	36.3	54.5





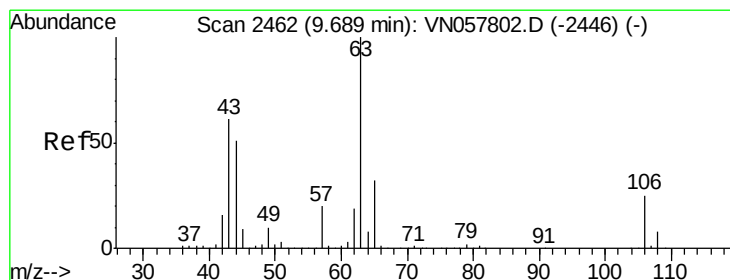
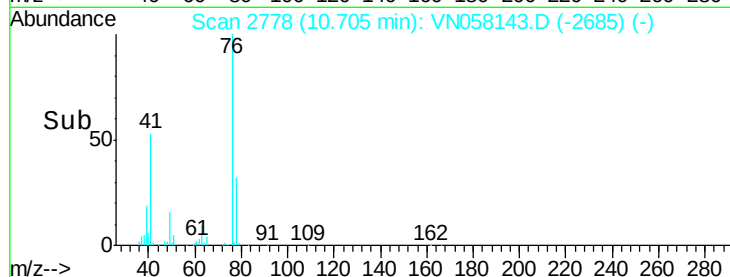
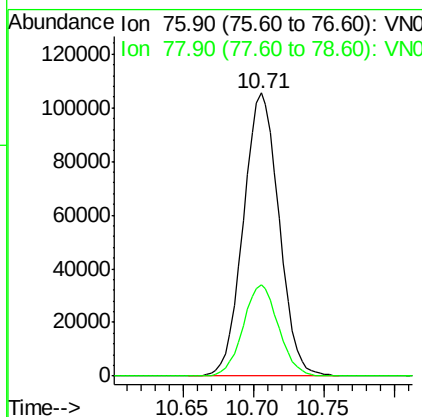
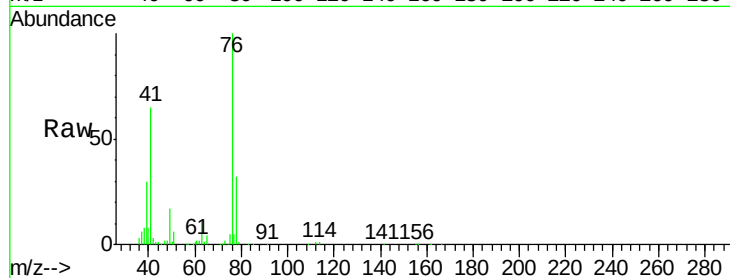
#57
 1,3-Dichloropropane
 Concen: 22.495 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion: 76 Resp: 187293
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.2

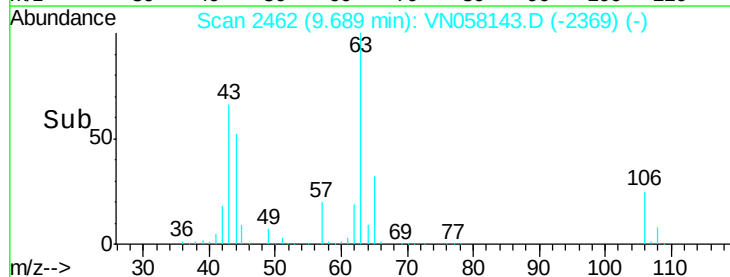
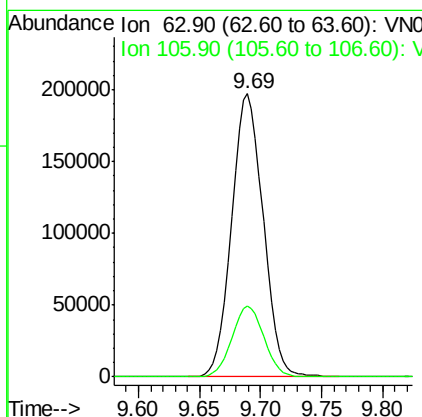
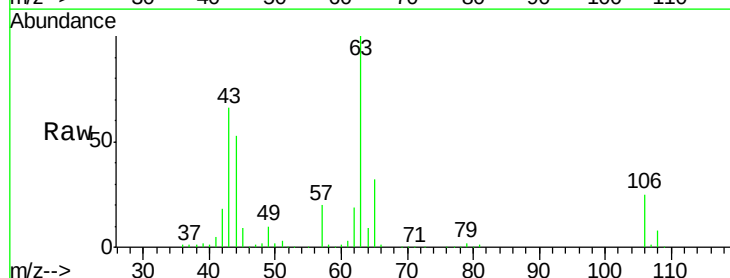
Manual Integrations
 APPROVED

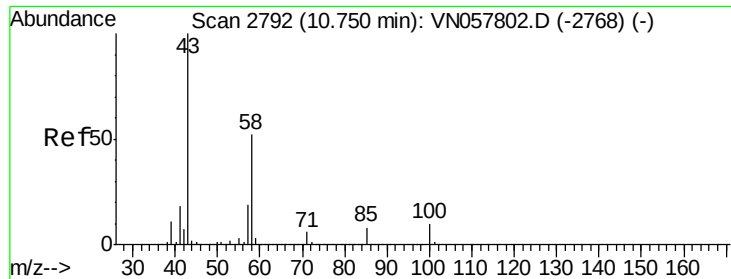
MMDadoda
 9/18/2019 4:41:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.435 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion: 63 Resp: 354432
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.0 30.0





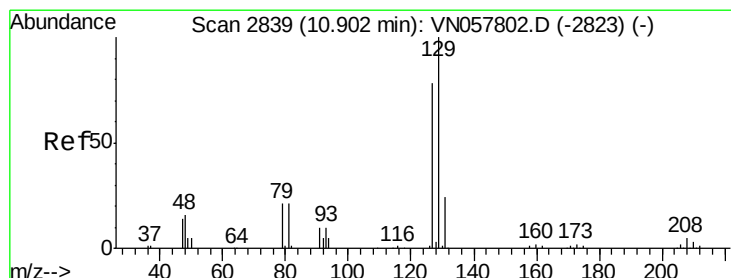
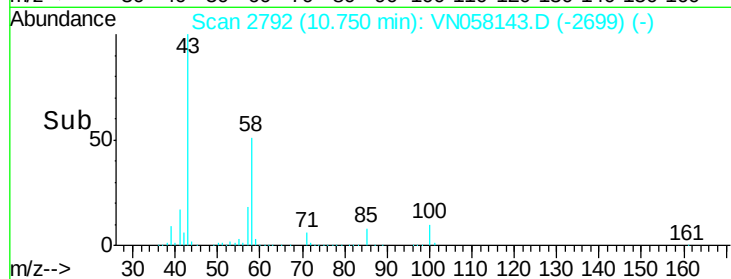
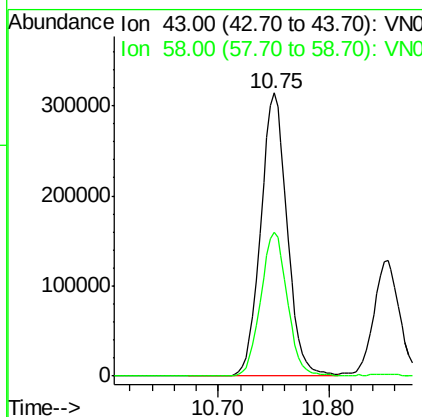
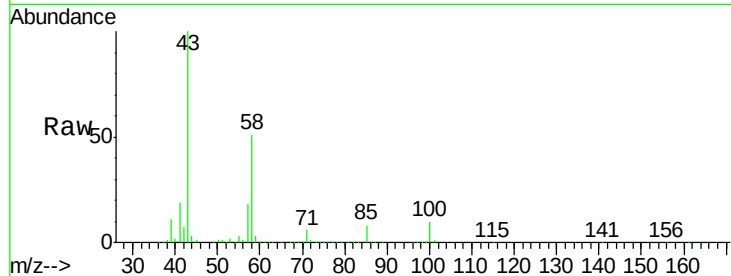
#59
2-Hexanone
Concen: 112.406 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	43	Resp	521051
Ion Ratio	100	Lower	Upper
43	100		
58	51.4	25.6	76.8

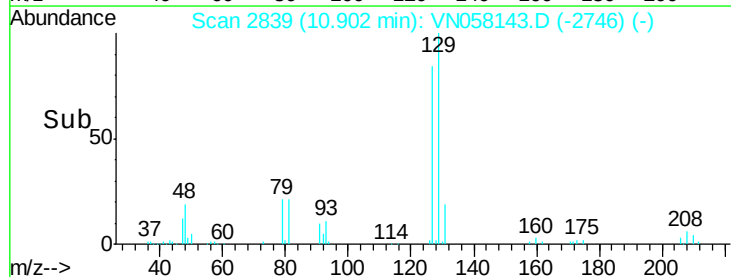
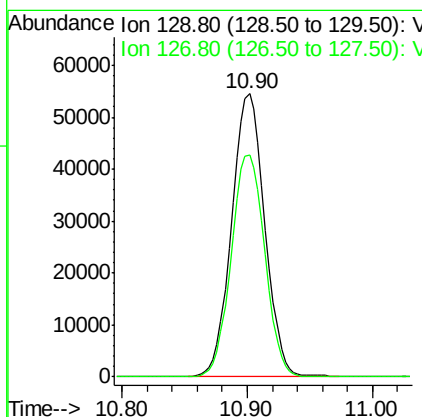
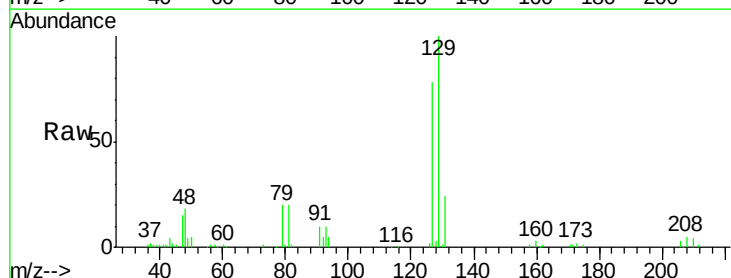
Manual Integrations
APPROVED

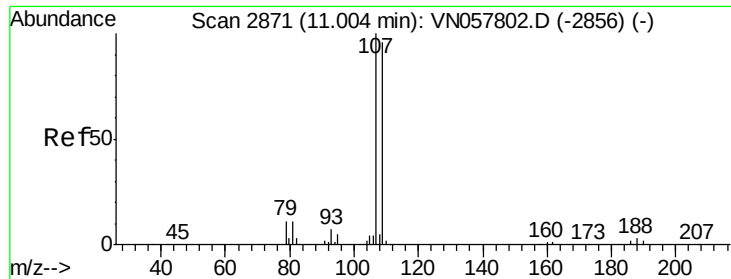
MMDadoda
9/18/2019 4:41:41 PM



#60
Dibromochloromethane
Concen: 22.301 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	129	Resp	100049
Ion Ratio	100	Lower	Upper
129	100		
127	79.4	38.6	116.0





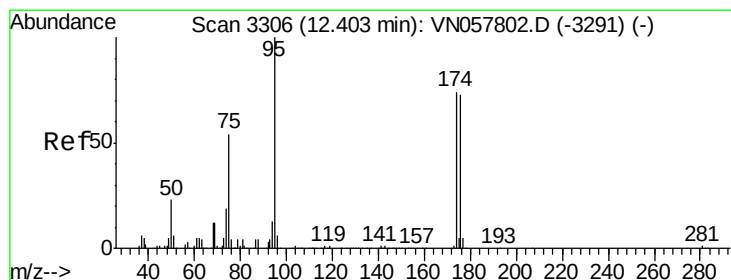
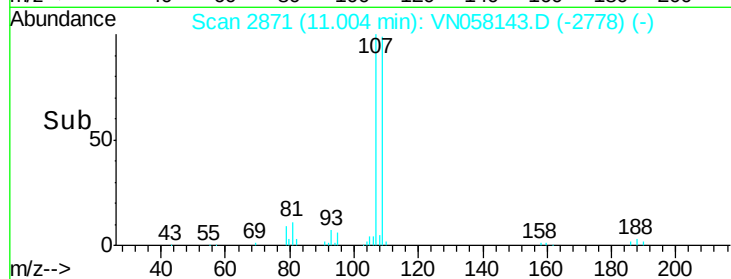
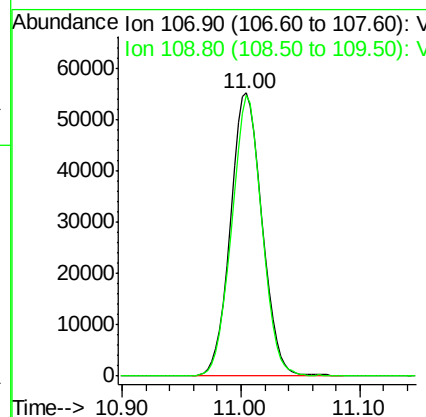
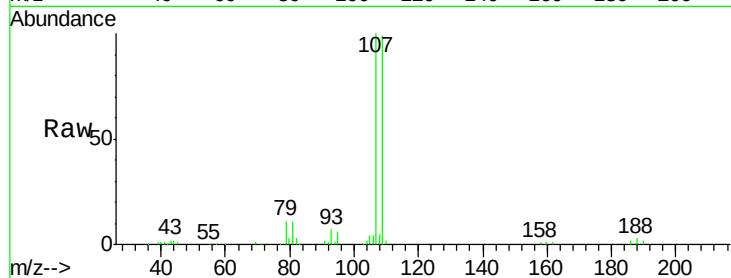
#61
 1,2-Dibromoethane
 Concen: 22.250 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

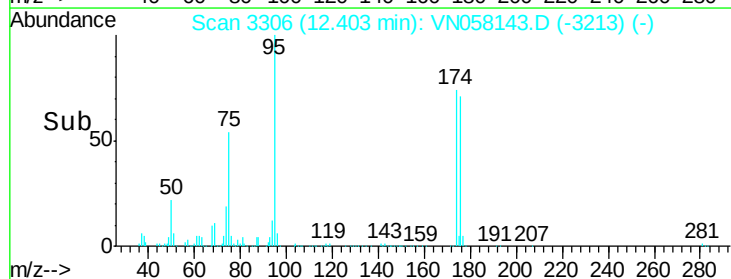
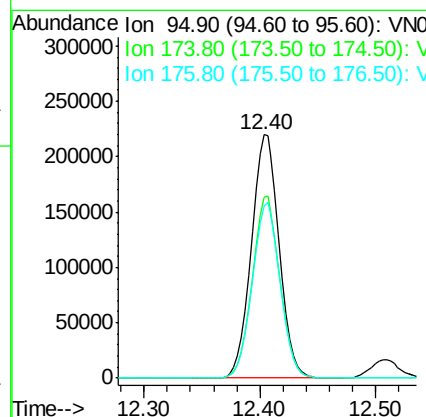
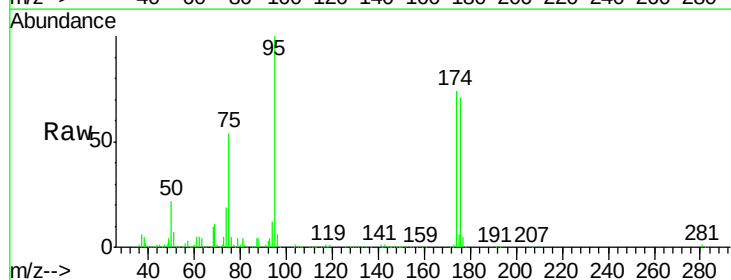
Manual Integrations
 APPROVED

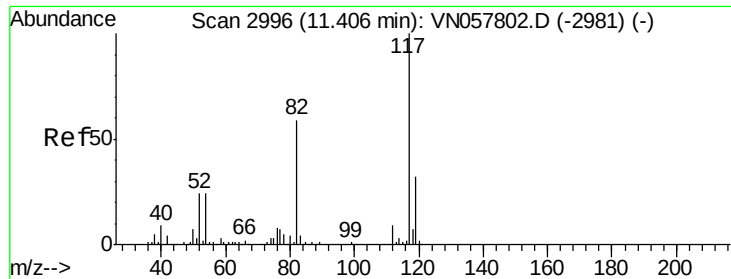
MMDadoda
 9/18/2019 4:41:41 PM



#62
 4-Bromofluorobenzene
 Concen: 51.973 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	150.2
176	72.1	0.0	146.0





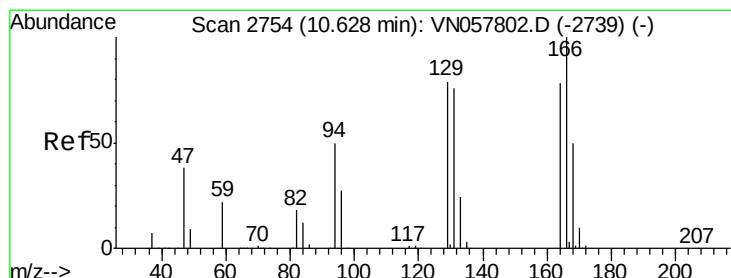
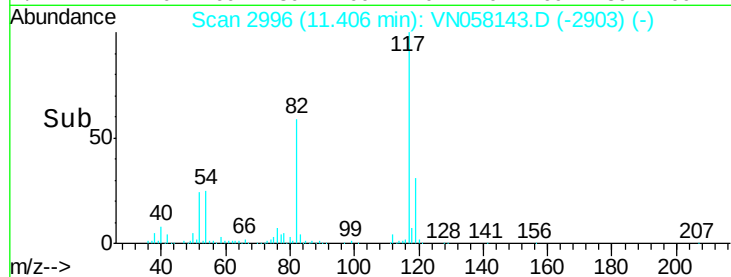
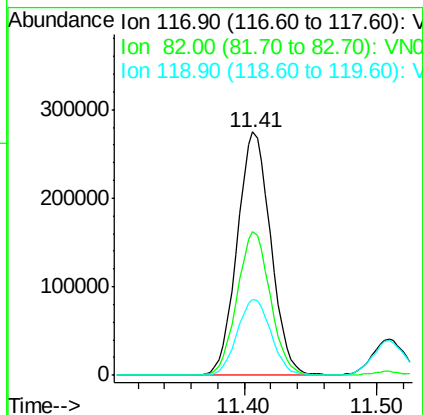
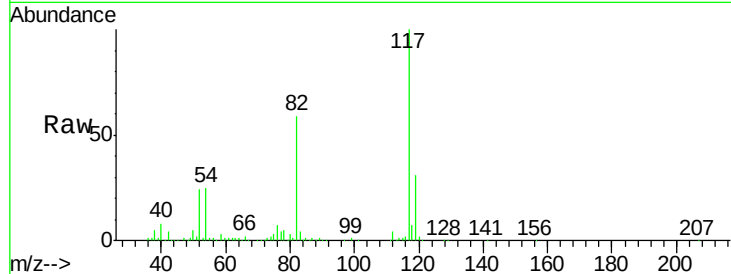
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	482784		
82	59.0		47.2	70.8
119	31.1		25.3	37.9

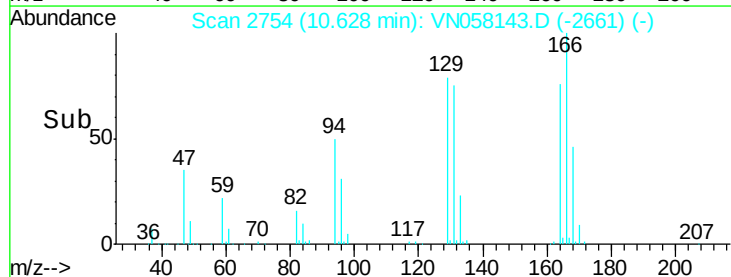
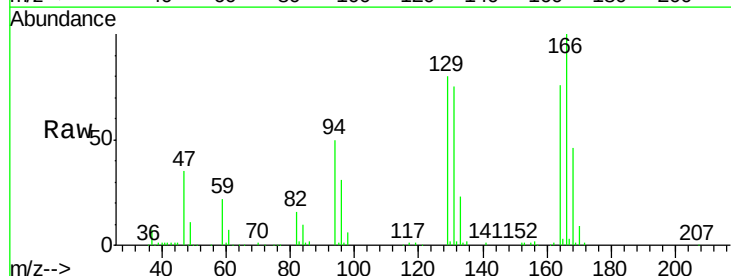
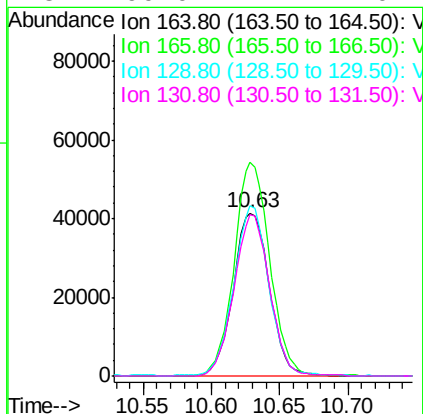
Manual Integrations
APPROVED

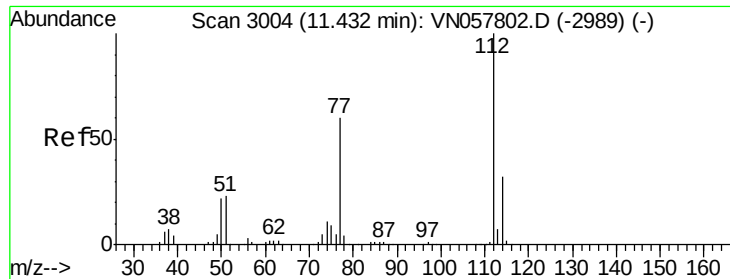
MMDadoda
9/18/2019 4:41:41 PM



#64
Tetrachloroethene
Concen: 21.356 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76126		
166	131.4		102.2	153.2
129	104.6		80.8	121.2
131	99.0		77.4	116.2





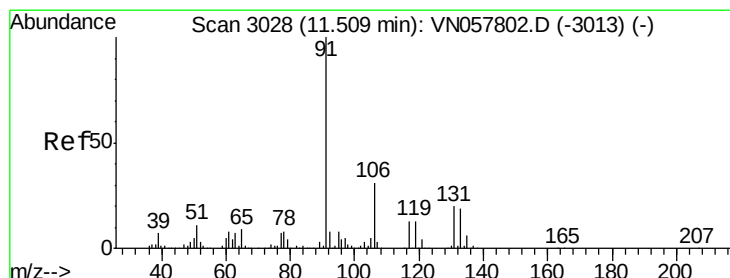
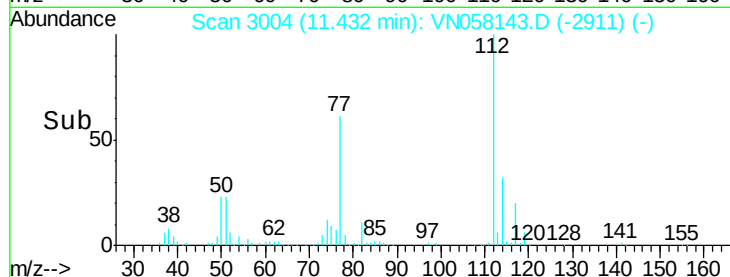
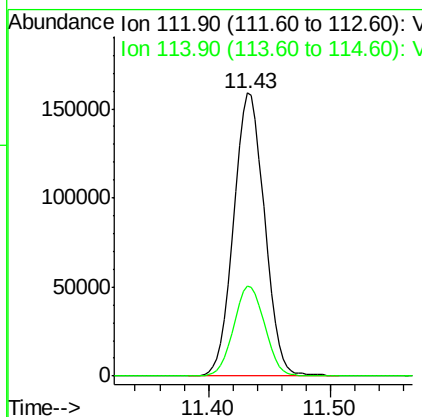
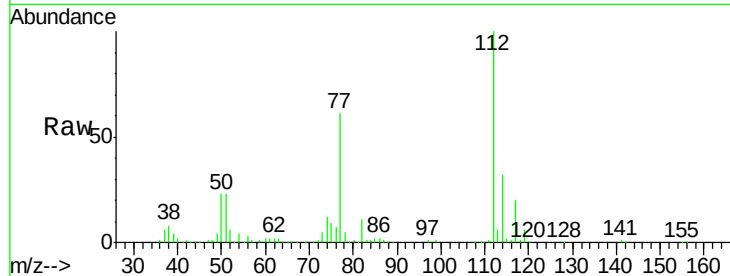
#65
Chlorobenzene
Concen: 22.102 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD01

Tot Ion:112 Resp: 279253
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

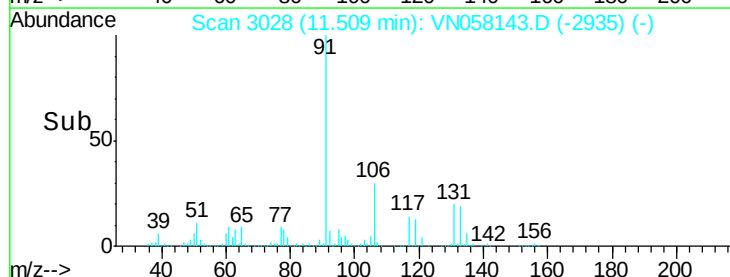
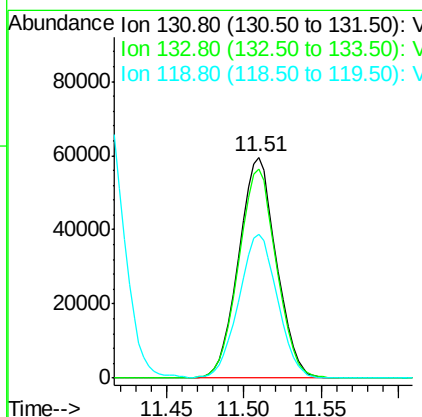
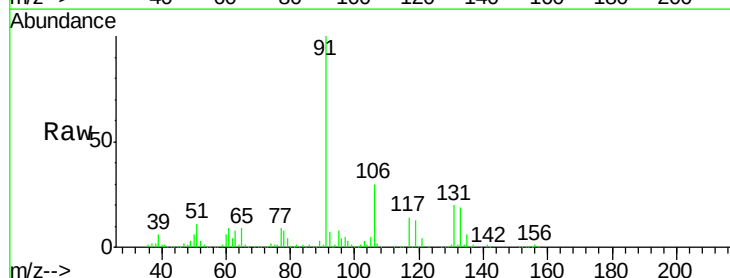
Manual Integrations
APPROVED

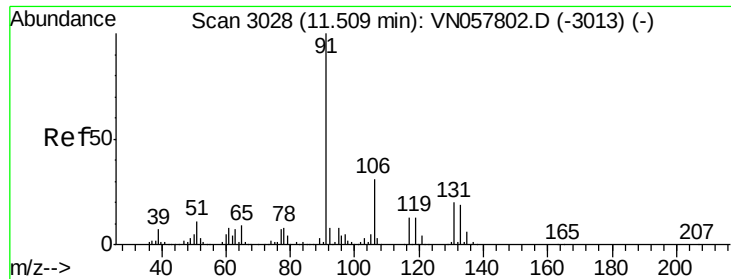
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.010 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion:131 Resp: 100879
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 66.6 33.3 99.8





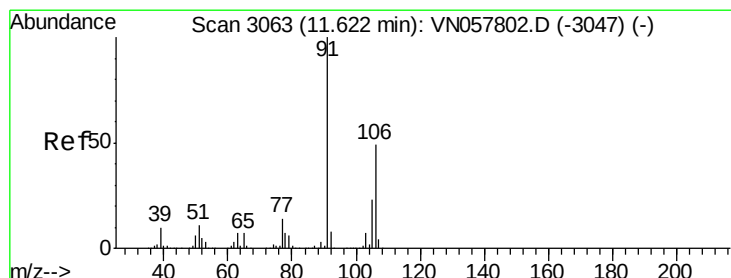
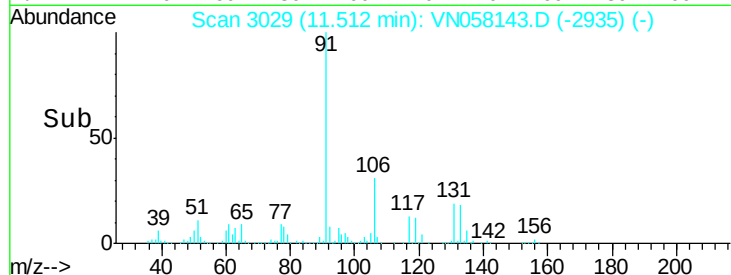
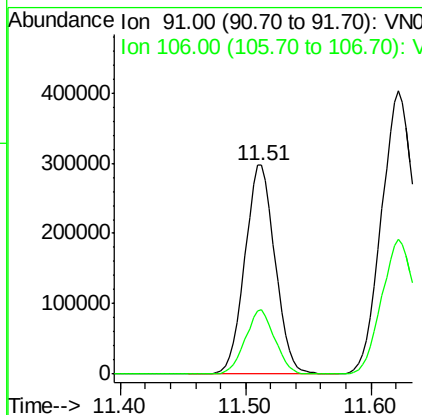
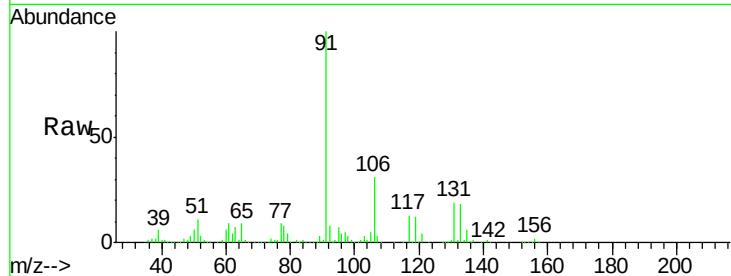
#67
Ethyl Benzene
Concen: 22.528 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion: 91 Resp: 498838
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6

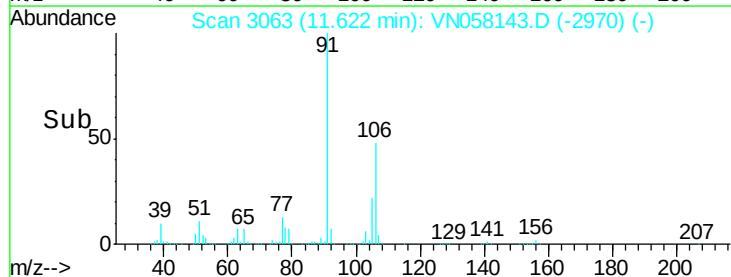
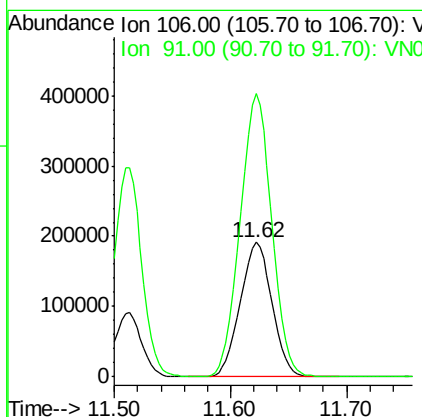
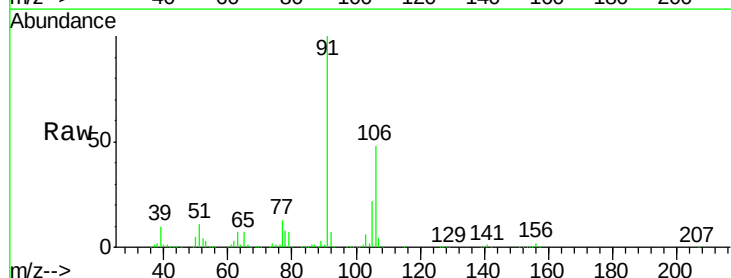
Manual Integrations
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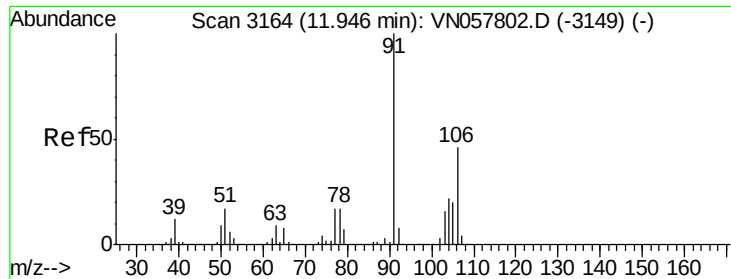
MMDadoda
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#68
m/p-Xylenes
Concen: 44.963 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion: 106 Resp: 364693
Ion Ratio Lower Upper
106 100
91 208.1 165.8 248.6





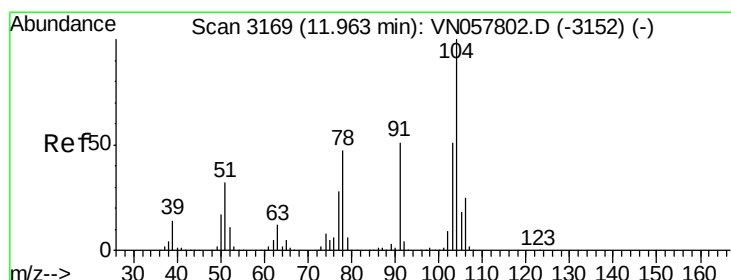
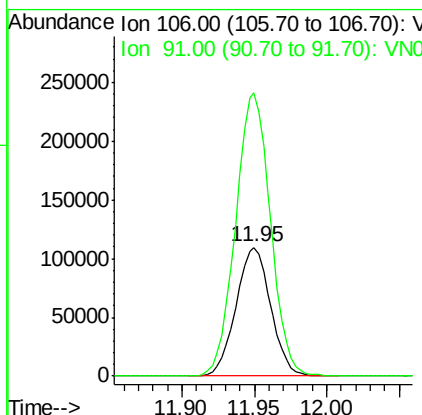
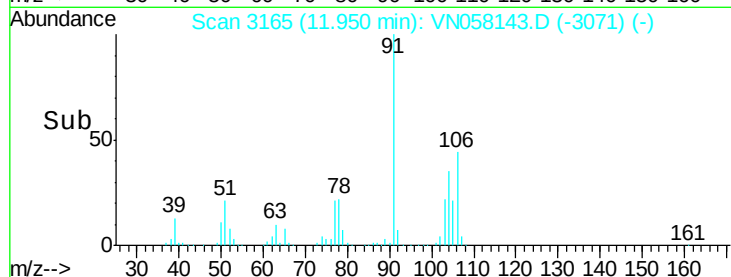
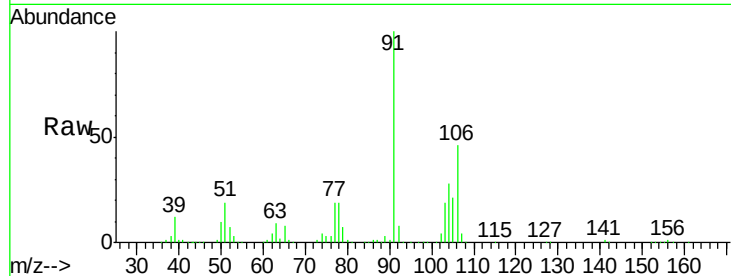
#69
o-Xylene
Concen: 22.576 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion:106 Resp: 182039
Ion Ratio Lower Upper
106 100
91 221.3 108.7 326.1

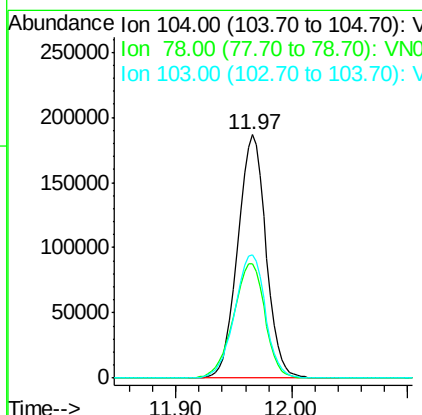
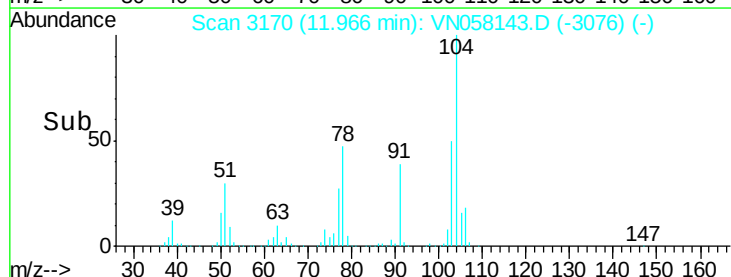
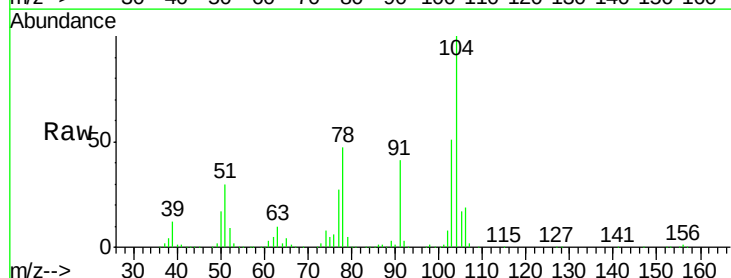
Manual Integrations
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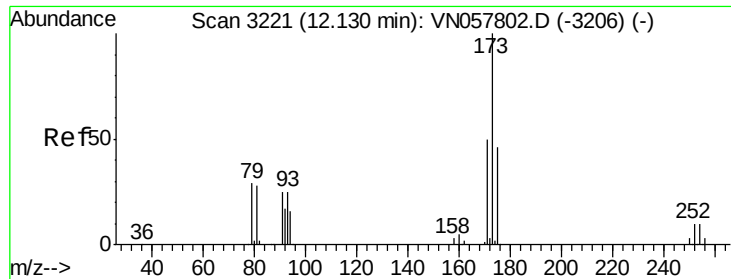
MMDadoda
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#70
Styrene
Concen: 22.730 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion:104 Resp: 315427
Ion Ratio Lower Upper
104 100
78 52.8 41.3 61.9
103 55.4 43.7 65.5





#71

Bromoform

Concen: 22.278 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

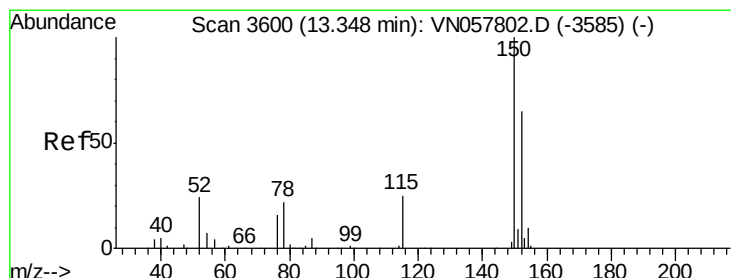
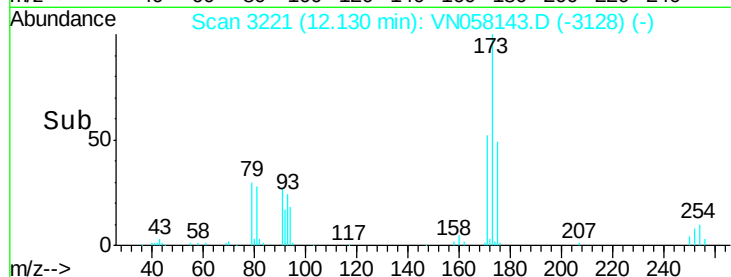
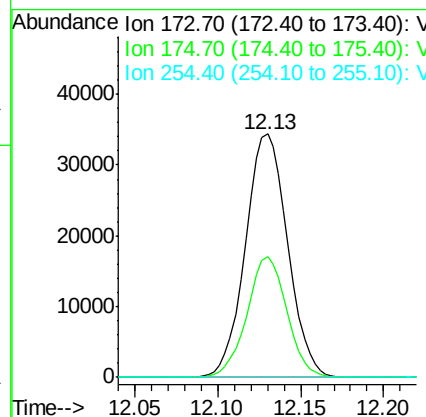
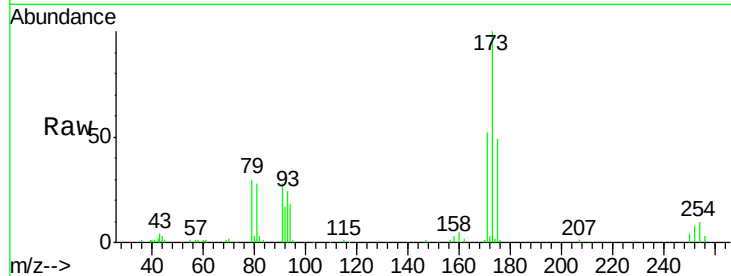
ClientSampleId :

VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
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9/18/2019 4:41:41 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

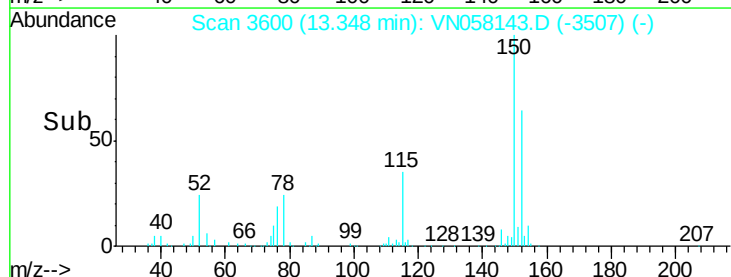
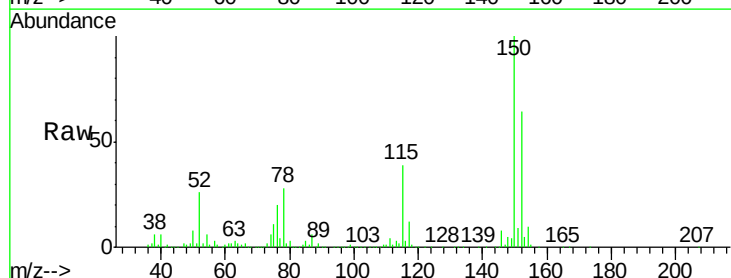
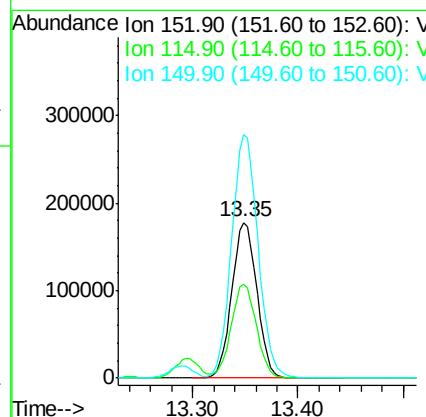
RT: 13.35 min Scan# 3600

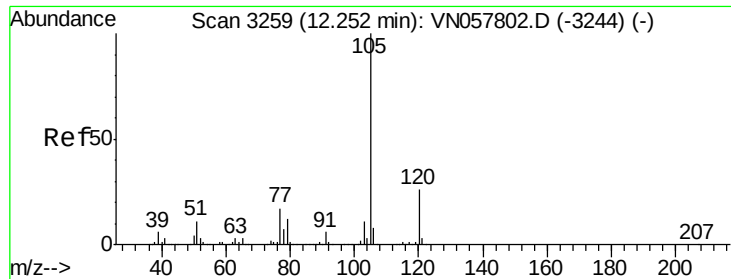
Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.3	91.0
150	164.5	0.0	352.4





#73

Isopropylbenzene

Concen: 22.322 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0917WBSD01

Tot Ion:105 Resp: 506774

Ion Ratio Lower Upper

105 100

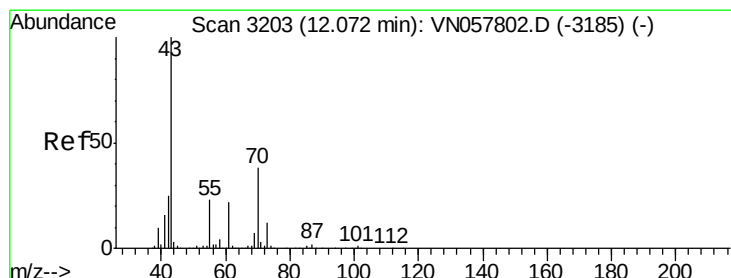
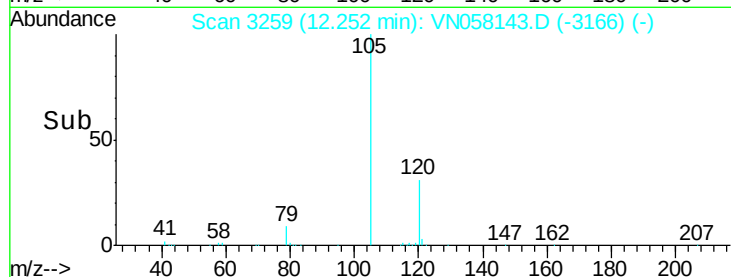
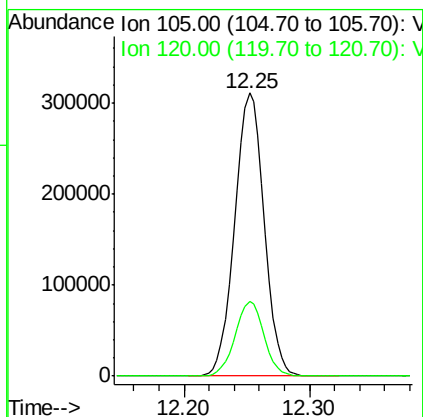
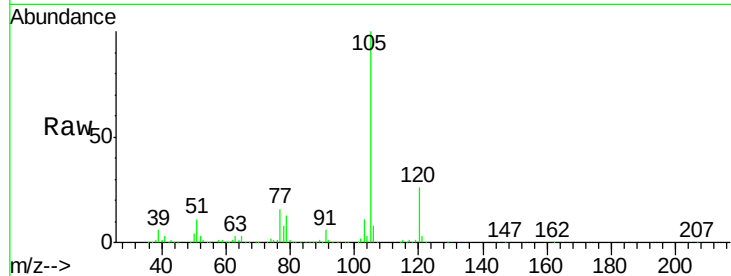
120 25.9 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.108 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion: 43 Resp: 208552

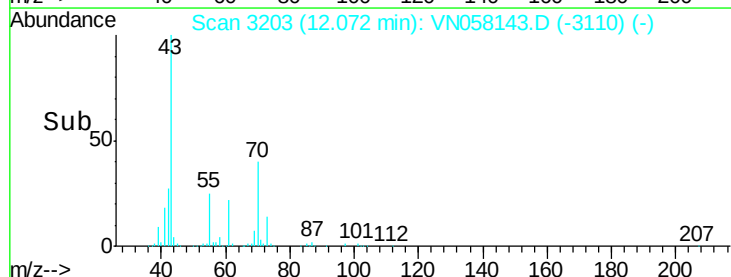
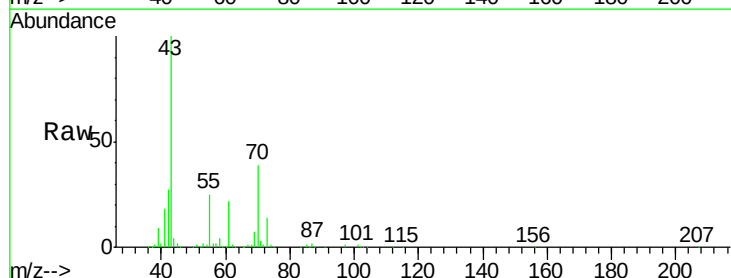
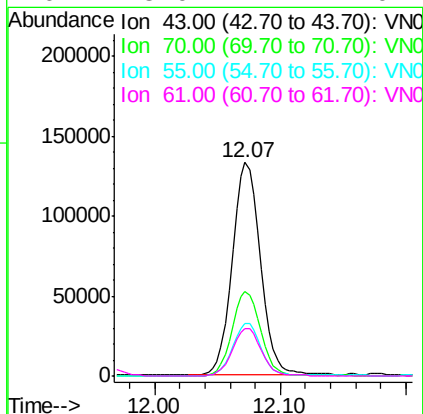
Ion Ratio Lower Upper

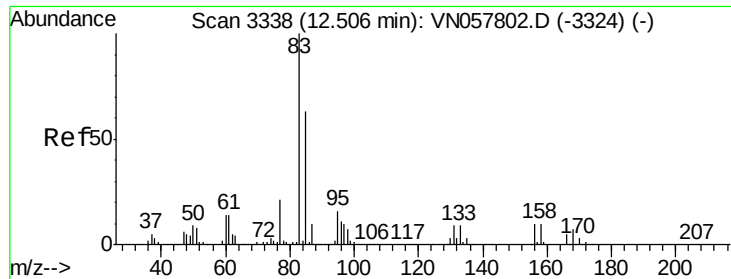
43 100

70 40.0 30.6 45.8

55 24.5 18.6 27.8

61 23.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.974 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

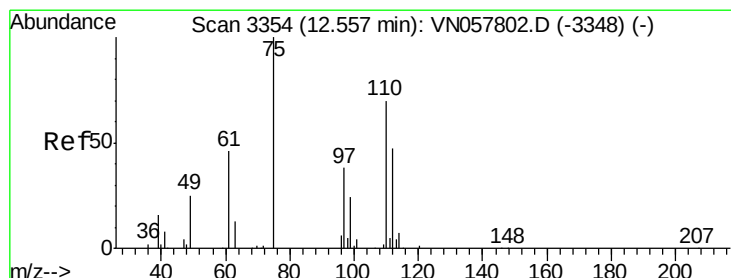
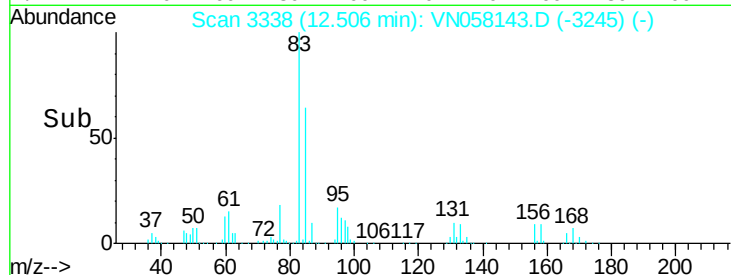
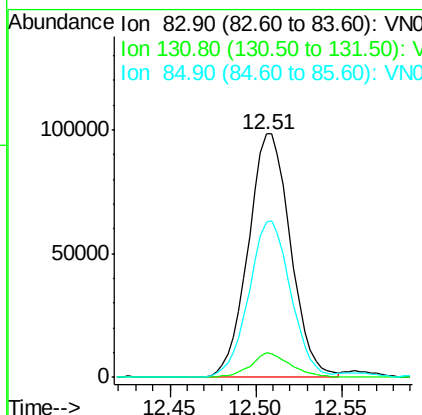
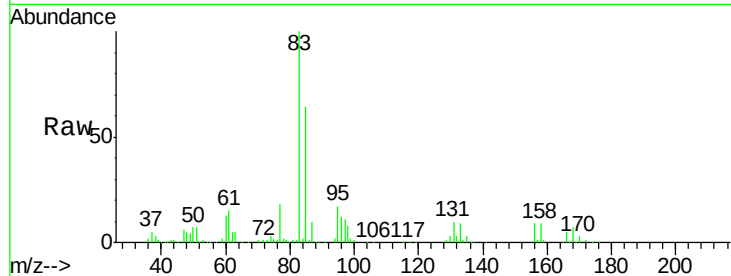
ClientSampleId :

VN0917WBSD01

Tot Ion:	83	Resp:	167971
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.5	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.514 ug/l m

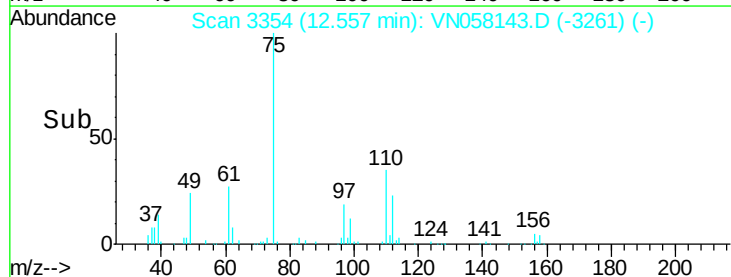
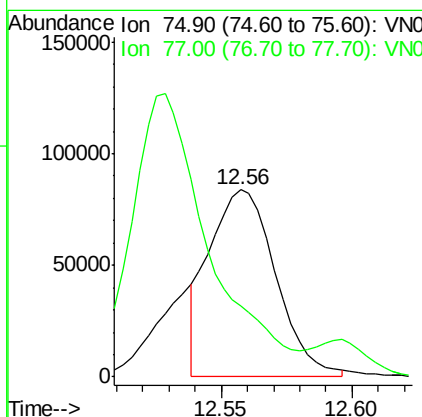
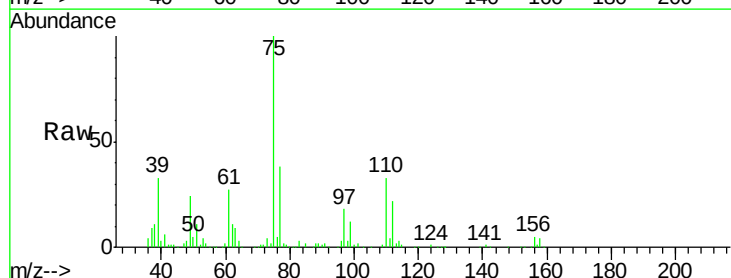
RT: 12.56 min Scan# 3354

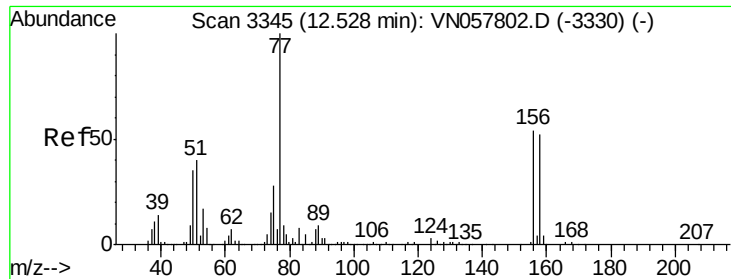
Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion:	75	Resp:	149014
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.318 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion:156 Resp: 120668

Ion Ratio Lower Upper

156 100

77 218.6 113.7 341.1

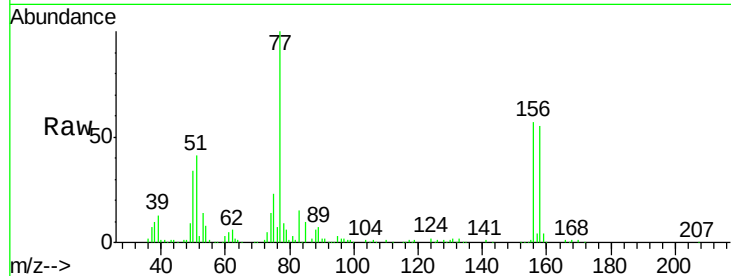
158 97.3 48.5 145.6

Manual Integrations

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MMDadoda

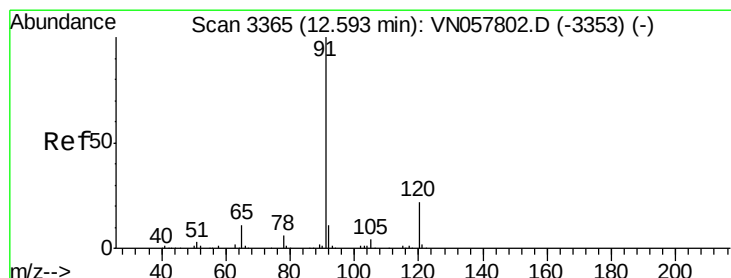
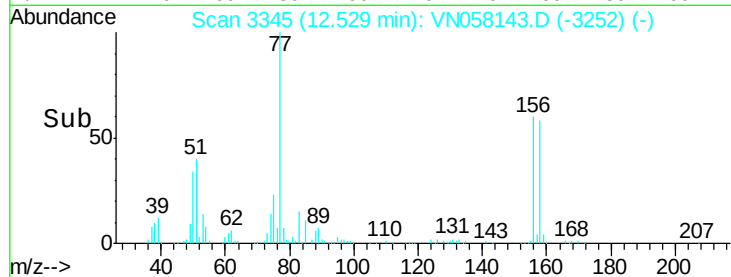
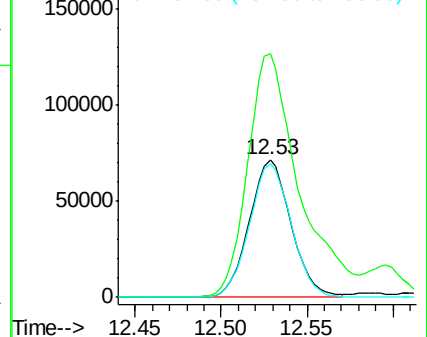
9/18/2019 4:41:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.497 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058143.D

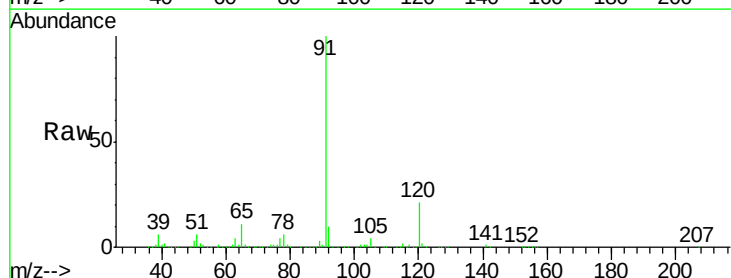
Acq: 17 Sep 2019 12:49

Tgt Ion: 91 Resp: 586487

Ion Ratio Lower Upper

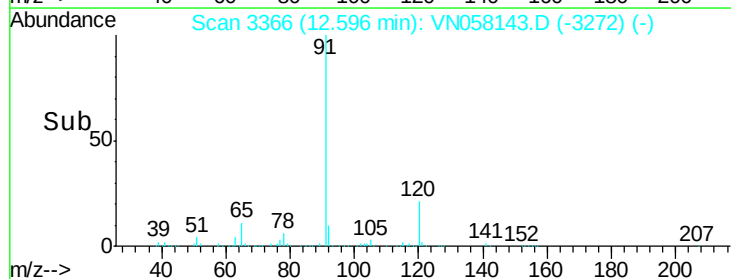
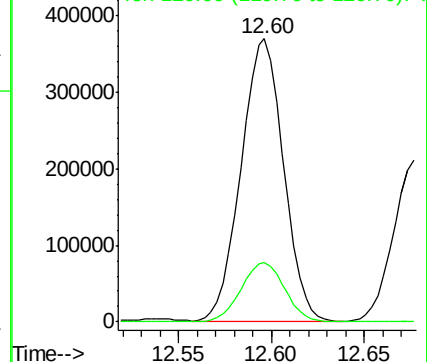
91 100

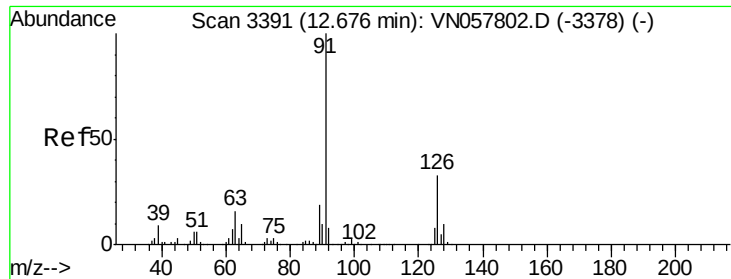
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.469 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 91 Resp: 353751

Ion Ratio Lower Upper

91 100

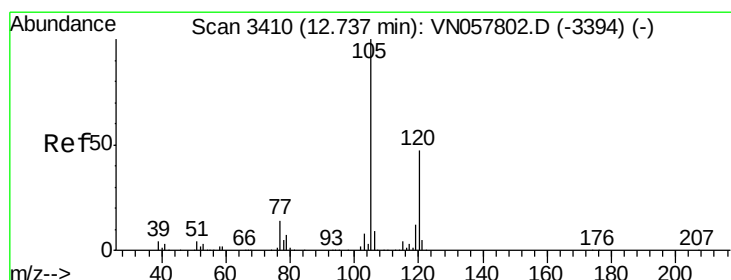
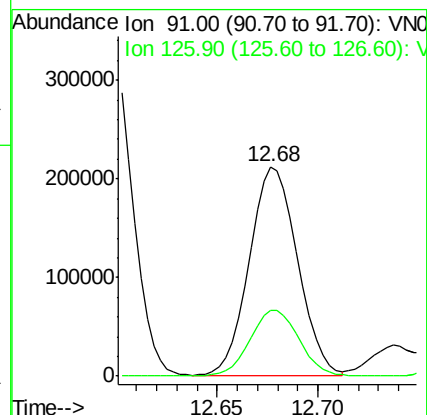
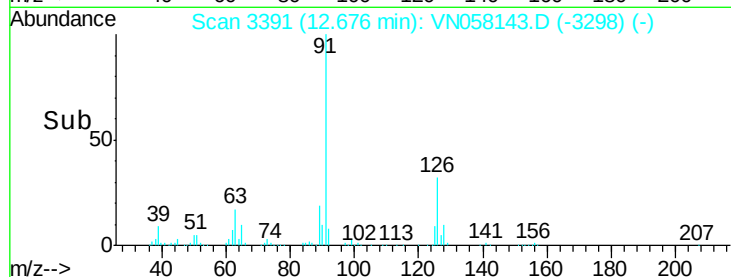
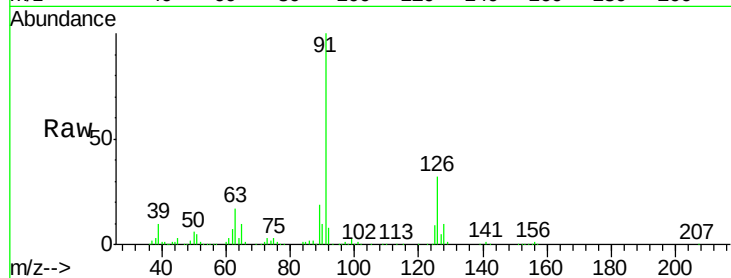
126 32.3 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.594 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058143.D

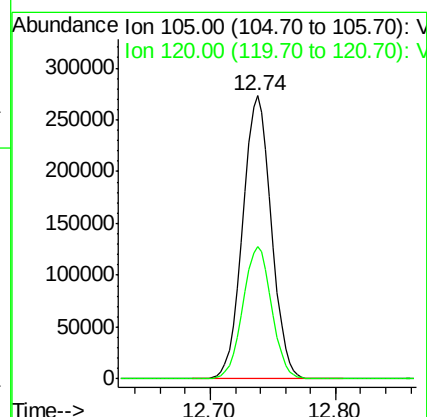
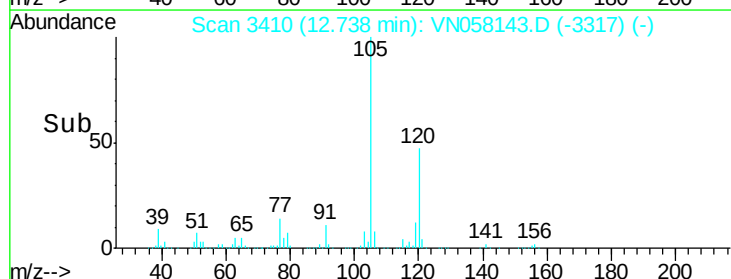
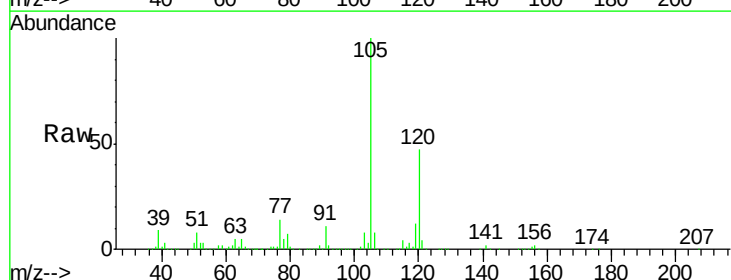
Acq: 17 Sep 2019 12:49

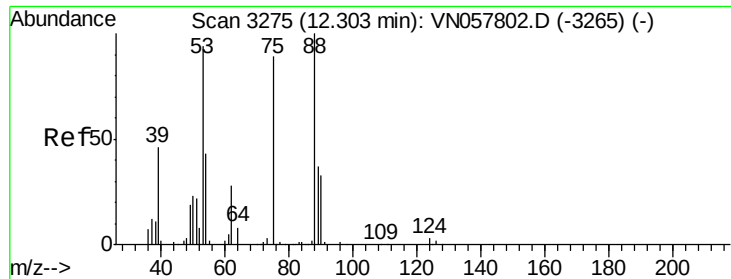
Tgt Ion: 105 Resp: 433419

Ion Ratio Lower Upper

105 100

120 47.0 23.7 71.1





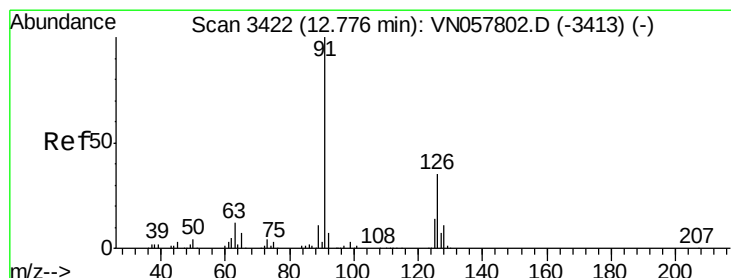
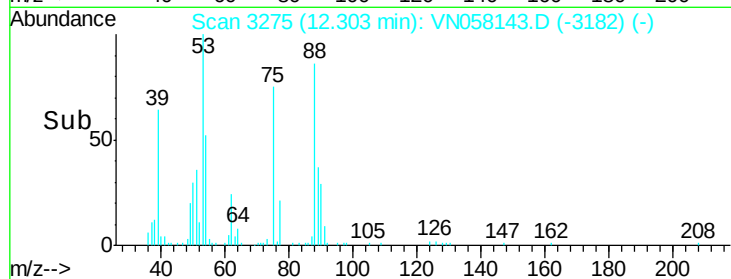
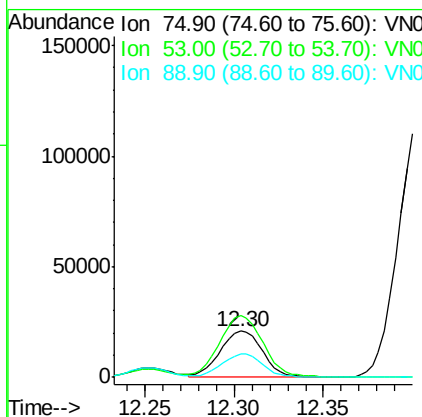
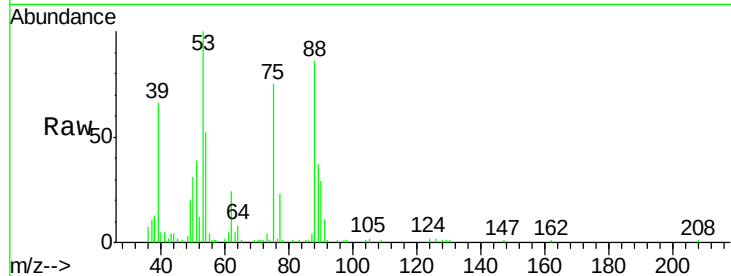
#81
trans-1,4-Dichloro-2-butene
Concen: 18.800 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.9	88.4	132.6#
89	47.6	35.3	52.9

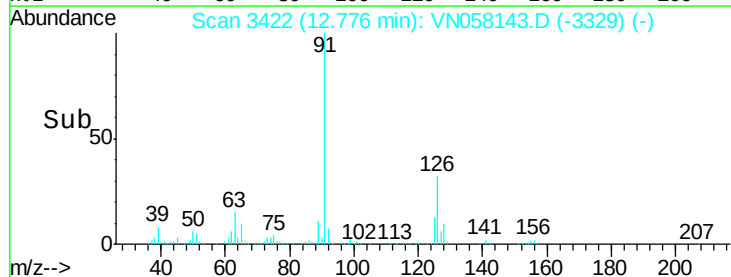
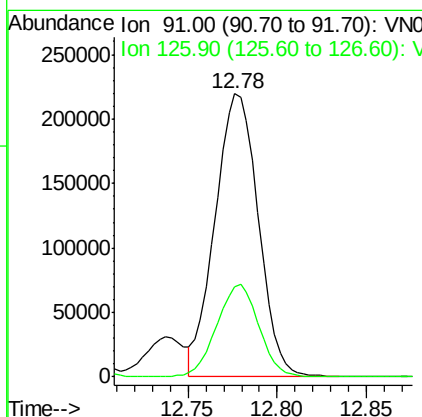
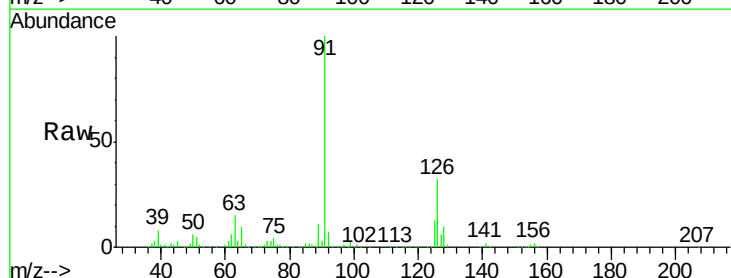
Manual Integrations
APPROVED

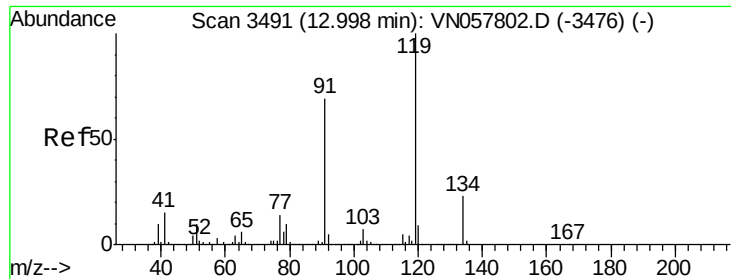
MMDadoda
9/18/2019 4:41:41 PM



#82
4-Chlorotoluene
Concen: 21.729 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





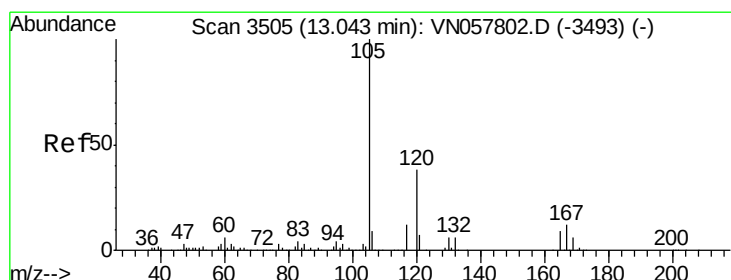
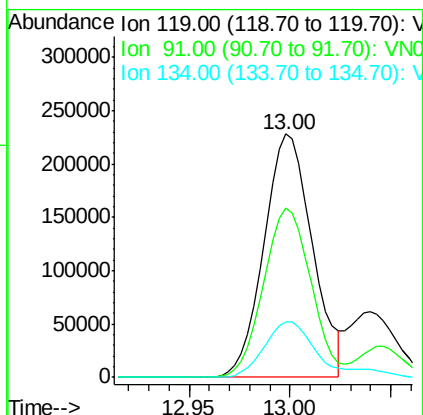
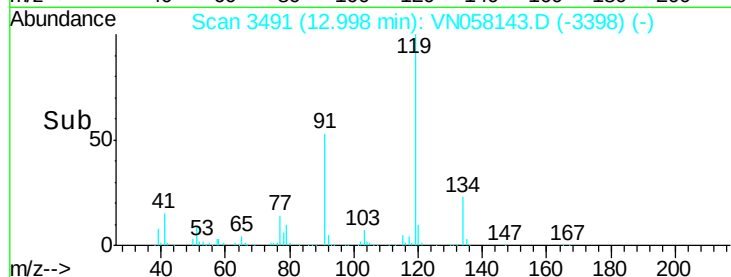
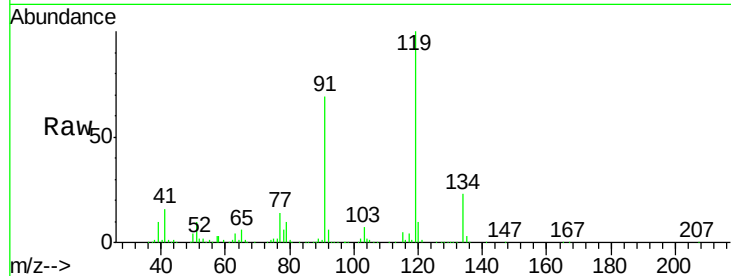
#83
 tert-Butylbenzene
 Concen: 22.269 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	23.7	11.7	35.0

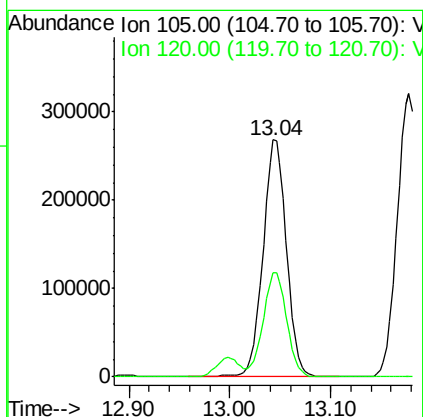
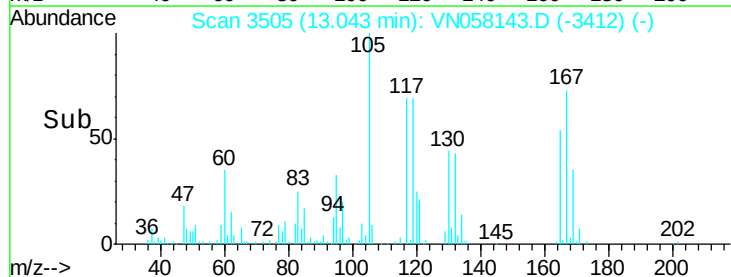
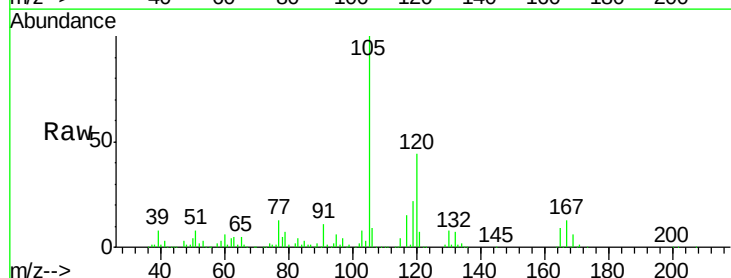
Manual Integrations
 APPROVED

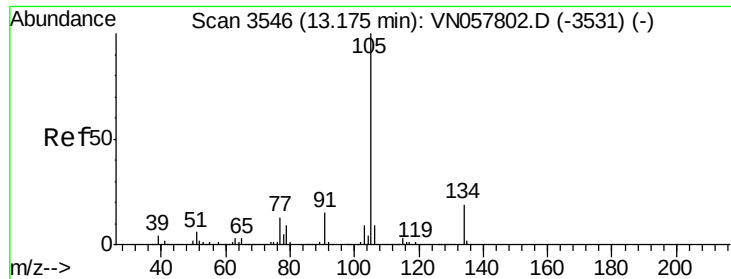
MMDadoda
 9/18/2019 4:41:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.244 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.2





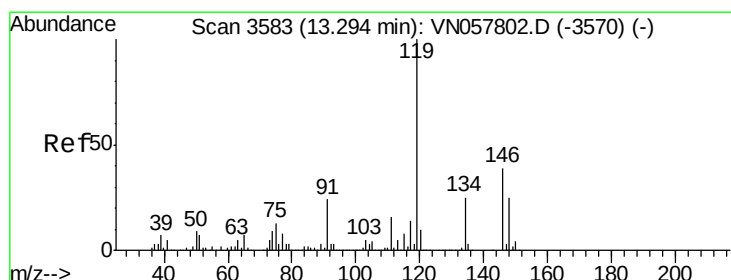
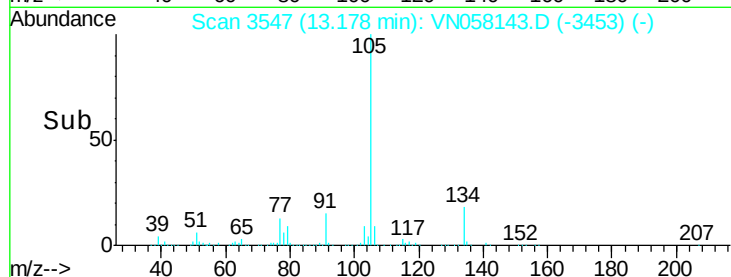
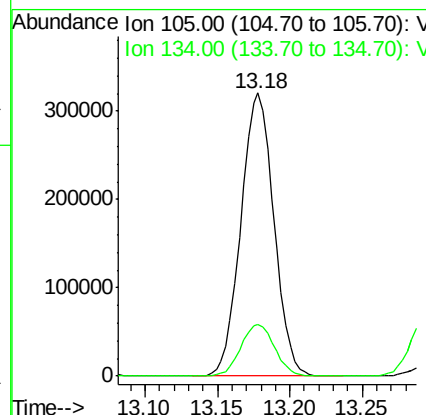
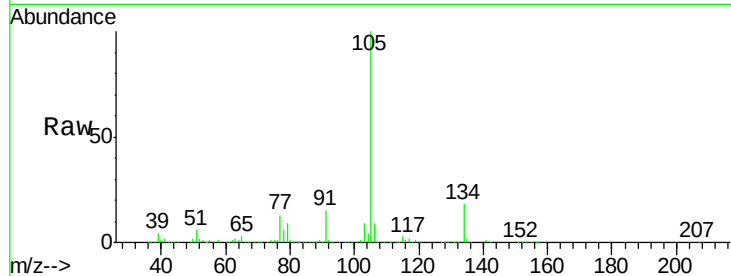
#85
 sec-Butylbenzene
 Concen: 22.362 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	505391		
134	18.8	9.6	28.6	

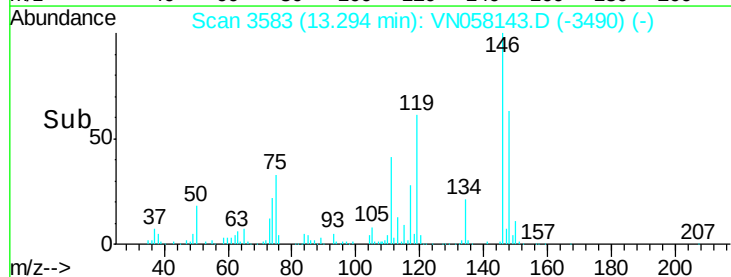
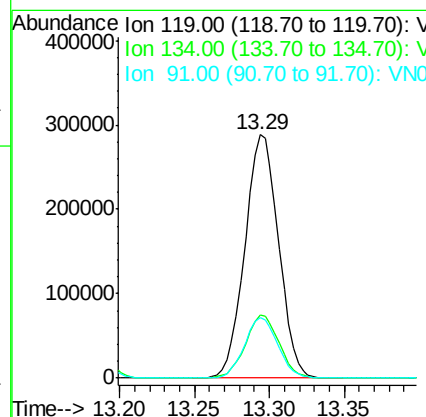
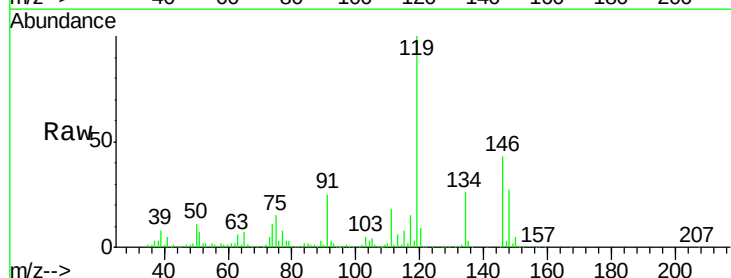
Manual Integrations
 APPROVED

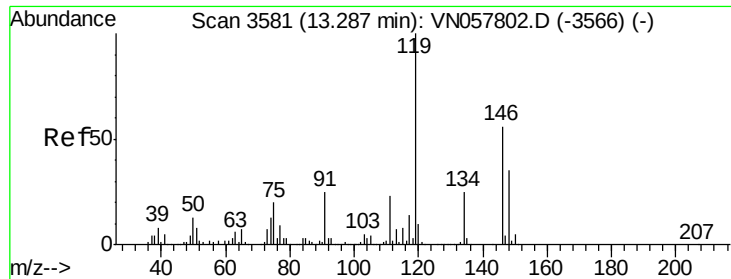
MMDadoda
 9/18/2019 4:41:41 PM



#86
 p-Isopropyltoluene
 Concen: 22.639 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	450816		
134	26.0	12.5	37.5	
91	24.2	12.3	36.8	





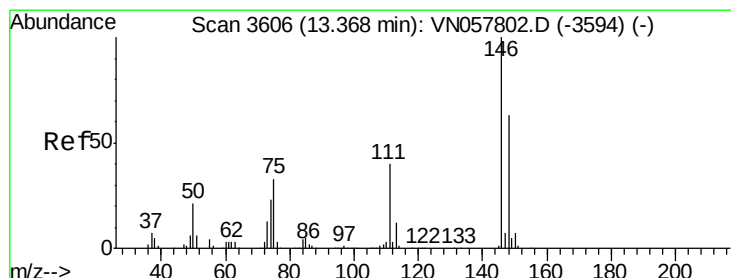
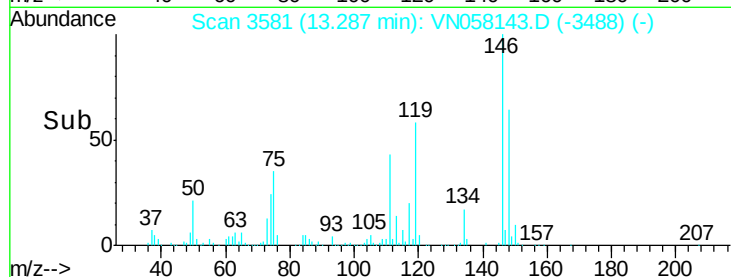
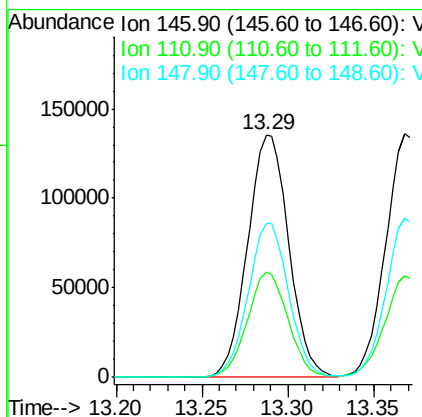
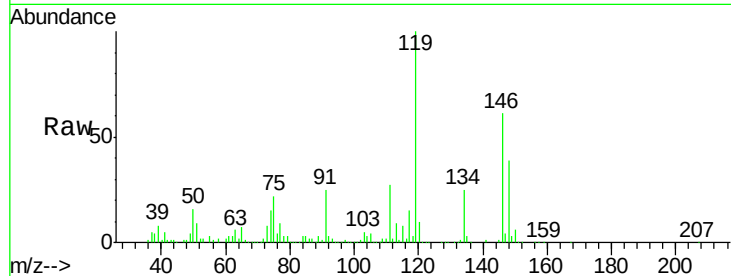
#87
 1,3-Dichlorobenzene
 Concen: 21.596 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	224376		
111	42.8	20.5	61.6	
148	62.7	31.5	94.5	

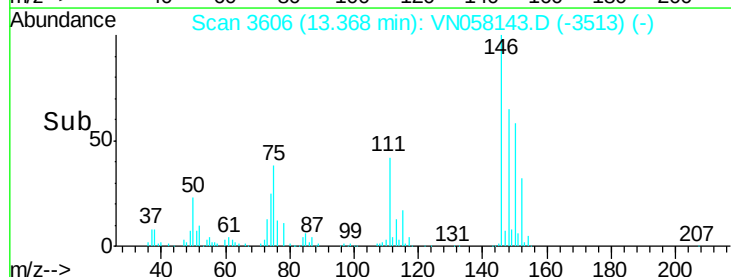
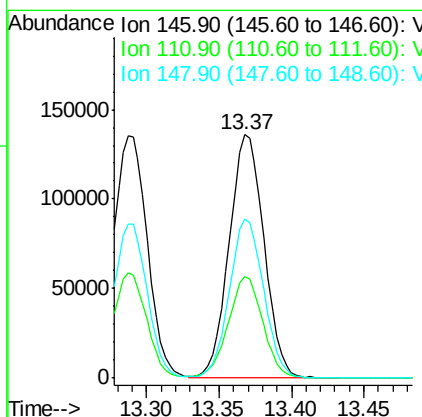
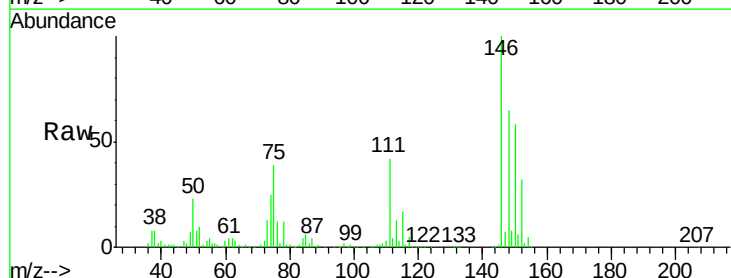
Manual Integrations
 APPROVED

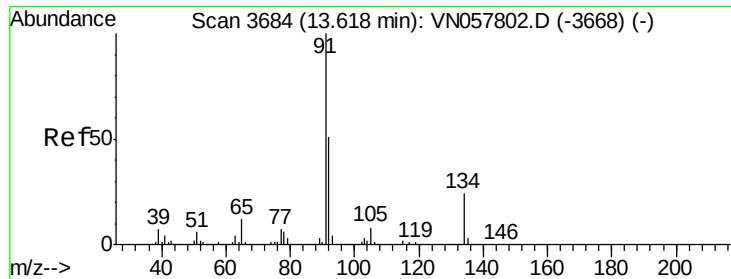
MMDadoda
 9/18/2019 4:41:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.462 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	226341		
111	41.4	20.4	61.2	
148	64.1	31.8	95.4	





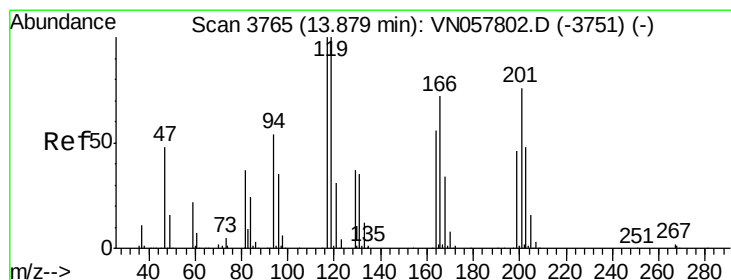
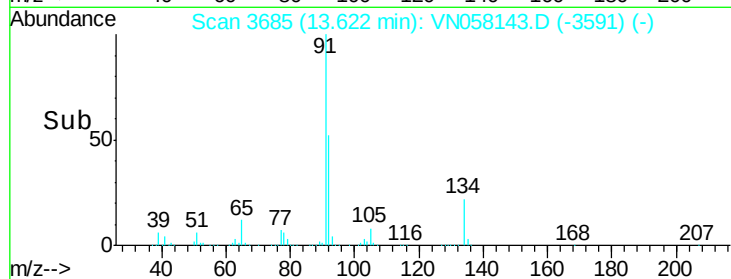
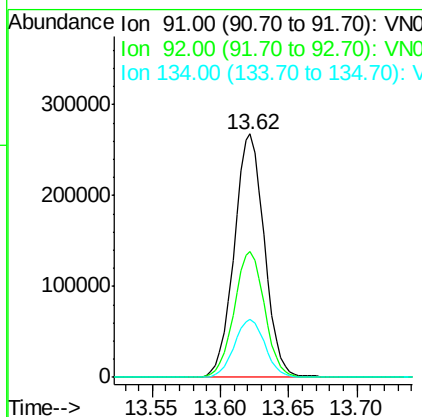
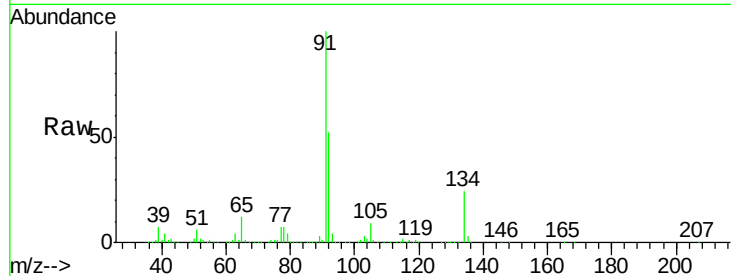
#89
n-Butylbenzene
Concen: 21.731 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	25.7	77.0	
134	24.4	11.9	35.7	

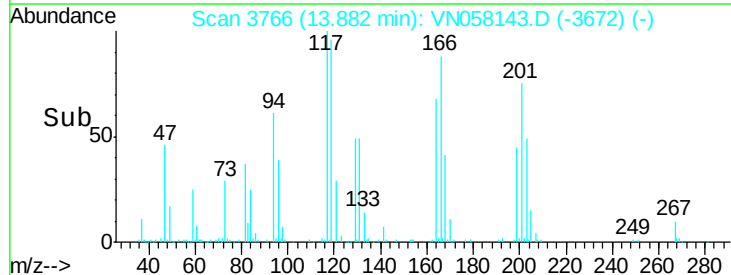
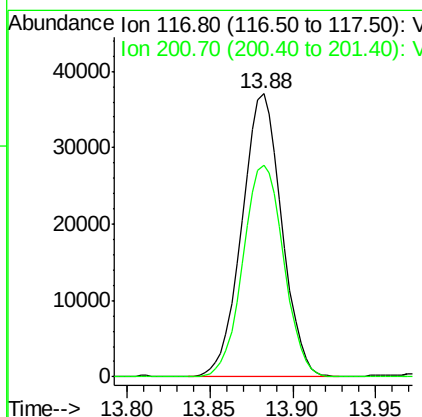
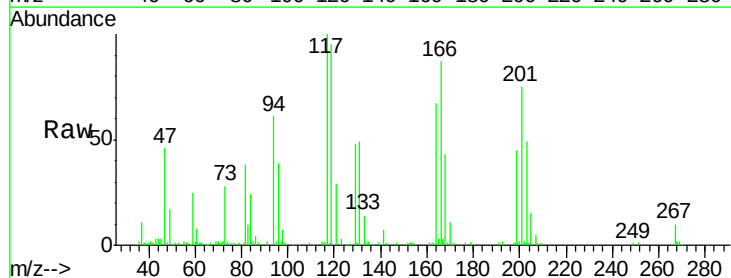
Manual Integrations
APPROVED

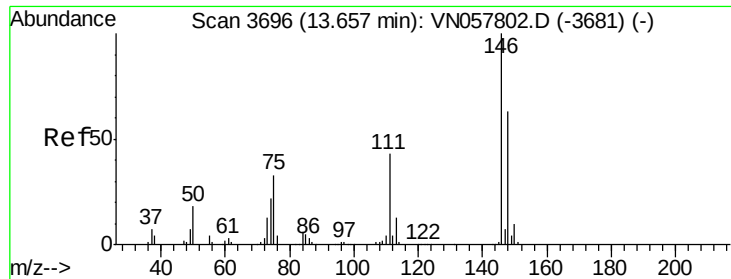
MMDadoda
9/18/2019 4:41:41 PM



#90
Hexachloroethane
Concen: 20.931 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058143.D
Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.2	37.5	112.7	





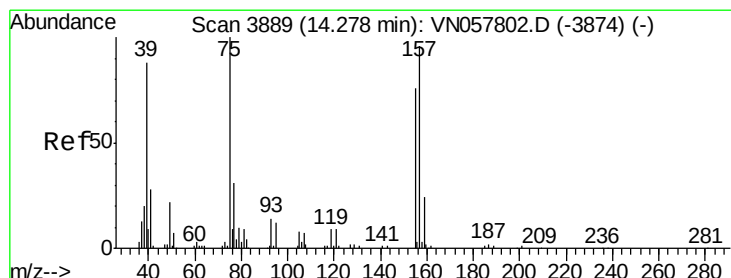
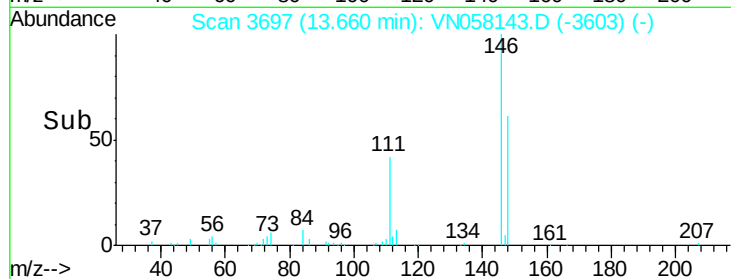
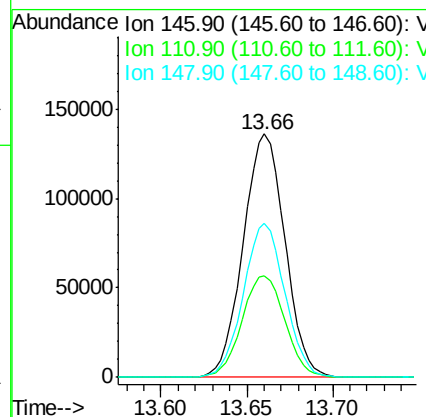
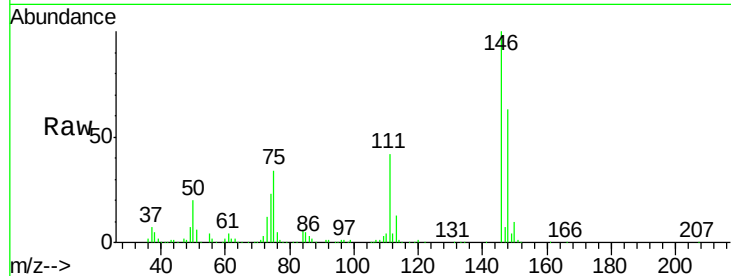
#91
 1,2-Dichlorobenzene
 Concen: 22.108 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229475		
111	43.3		21.3	63.9
148	63.0		31.4	94.3

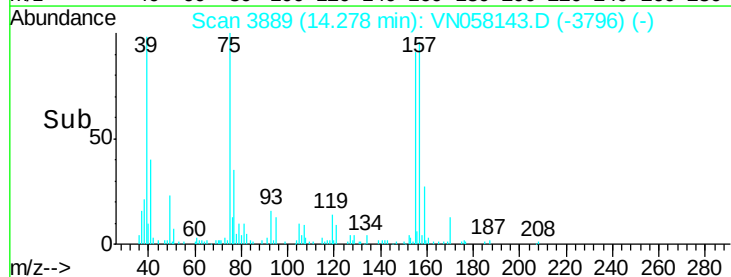
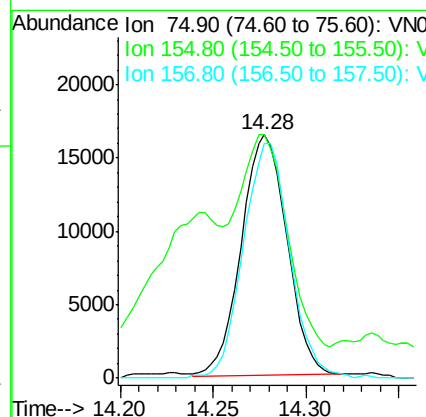
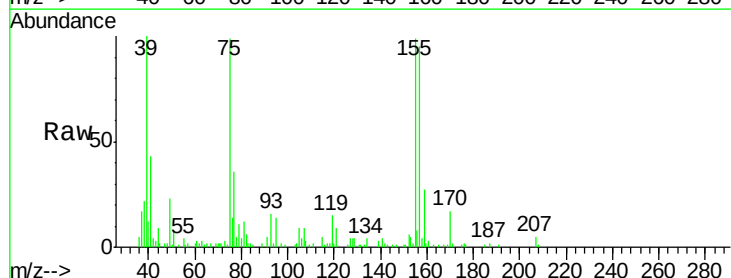
Manual Integrations
 APPROVED

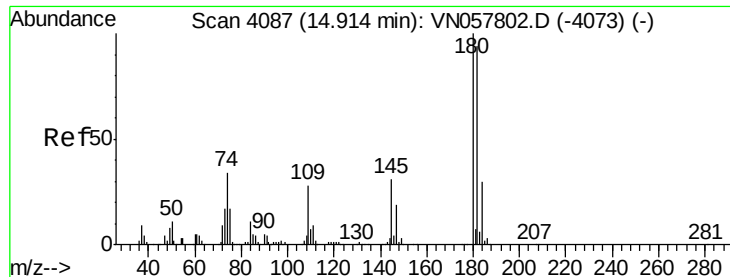
MMDadoda
 9/18/2019 4:41:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.271 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28114		
155	93.3		37.3	111.8
157	99.2		47.9	143.8





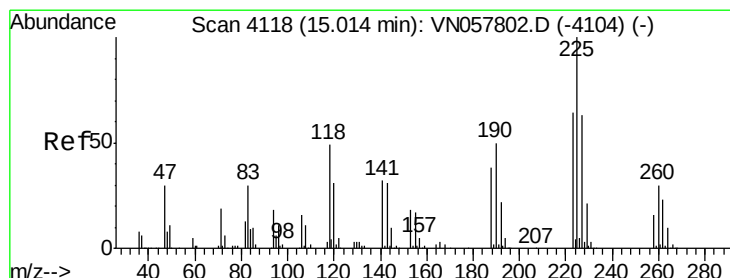
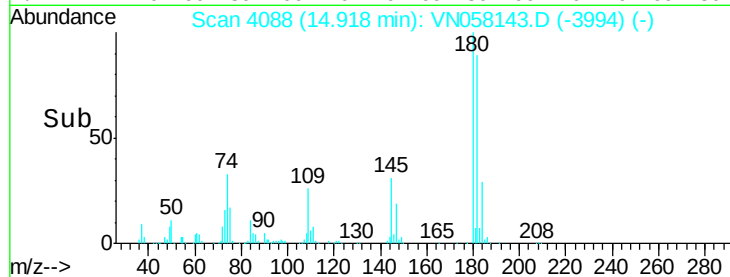
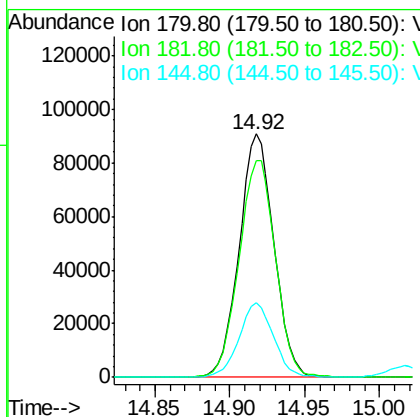
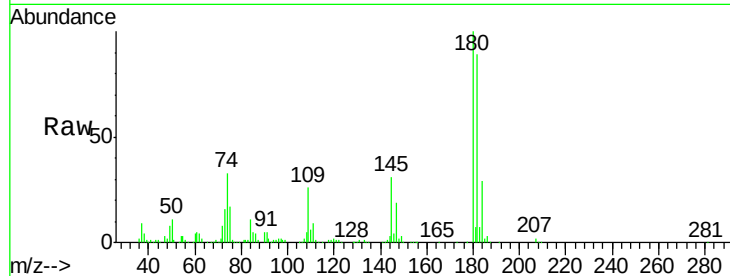
#93
 1,2,4-Trichlorobenzene
 Concen: 21.624 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146706		
182	93.7	46.9	140.8	
145	30.5	14.9	44.7	

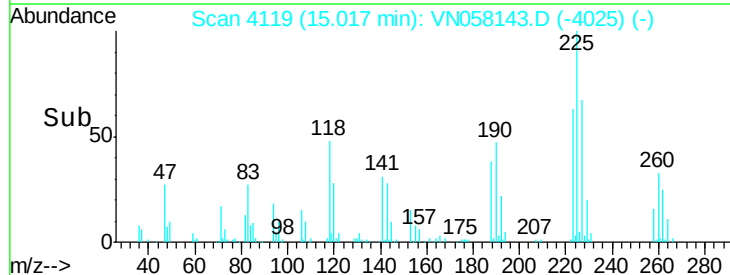
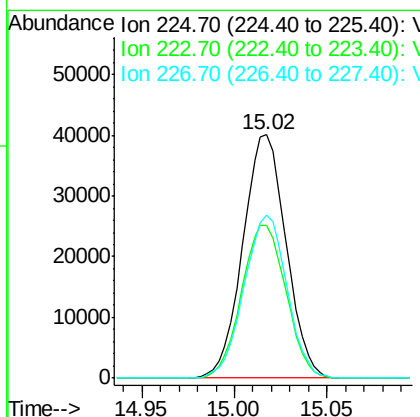
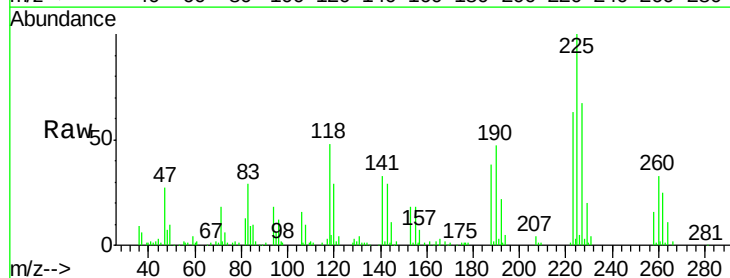
Manual Integrations
 APPROVED

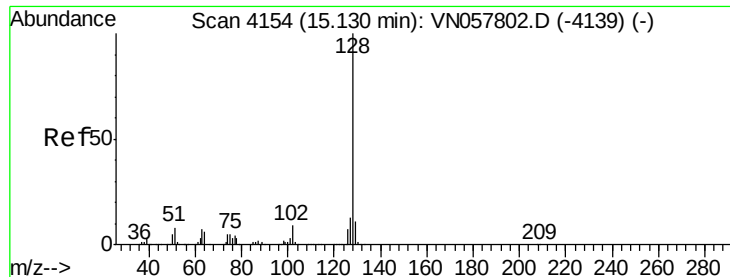
MMDadoda
 9/18/2019 4:41:41 PM



#94
 Hexachlorobutadiene
 Concen: 22.515 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058143.D
 Acq: 17 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64751		
223	64.4	32.4	97.2	
227	66.4	31.8	95.4	





#95

Naphthalene

Concen: 23.852 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Instrument :

MSVOA_N

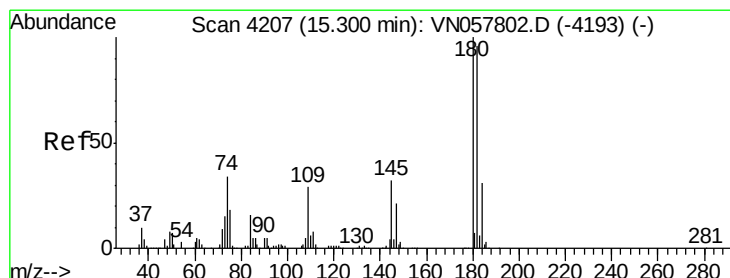
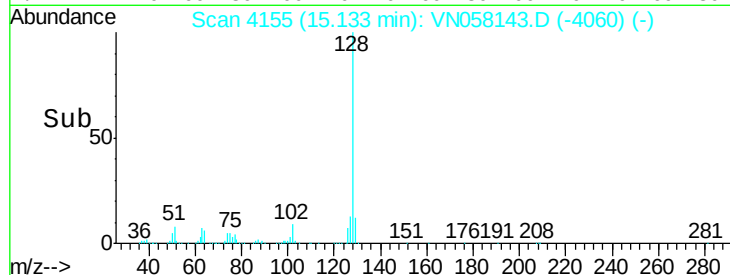
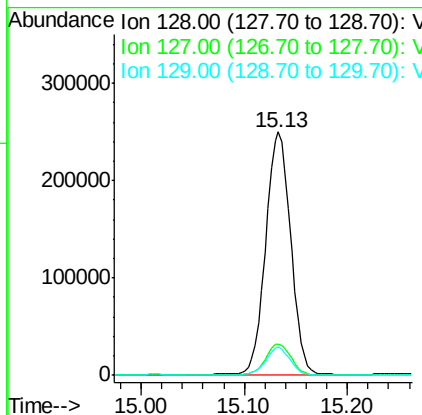
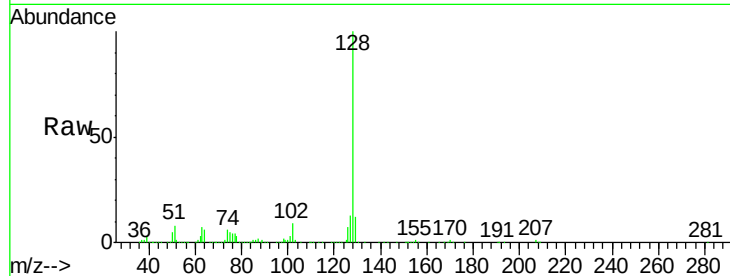
ClientSampleId :

VN0917WBSD01

Tot Ion:	128	Resp:	422590
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2019 4:41:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.862 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058143.D

Acq: 17 Sep 2019 12:49

Tgt Ion:	180	Resp:	138175
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.8
145	31.8	16.3	48.8

