

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057443.D
 Acq On : 22 Aug 2019 19:34
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN082219

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:20 PM

Quant Time: Aug 23 05:21:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	728352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	661519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360666	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.57	113	244259	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	977899	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	336866	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	267277	56.467	ug/l	97
3) Chloromethane	2.04	50	325829	48.197	ug/l	98
4) Vinyl Chloride	2.17	62	405706	49.305	ug/l	98
5) Bromomethane	2.54	94	255673	50.419	ug/l	99
6) Chloroethane	2.68	64	243616	46.027	ug/l	99
7) Trichlorofluoromethane	3.00	101	608608	47.650	ug/l	98
8) Diethyl Ether	3.39	74	216194	50.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	323452	50.597	ug/l	99
10) Methyl Iodide	3.92	142	262412	50.314	ug/l	100
11) Tert butyl alcohol	4.79	59	222636	253.950	ug/l	97
12) 1,1-Dichloroethene	3.71	96	318119	46.594	ug/l	97
13) Acrolein	3.58	56	197877	256.687	ug/l	98
14) Allyl chloride	4.29	41	454971	50.311	ug/l	98
15) Acrylonitrile	4.97	53	590043	249.568	ug/l	99
16) Acetone	3.79	43	574549	177.308	ug/l	99
17) Carbon Disulfide	4.02	76	636404	48.865	ug/l	99
18) Methyl Acetate	4.30	43	356664	51.023	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779834	47.317	ug/l	98
20) Methylene Chloride	4.52	84	251888	52.433	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	226129	46.936	ug/l	96
22) Diisopropyl ether	5.93	45	935612	48.300	ug/l	100
23) Vinyl Acetate	5.87	43	3625387	239.615	ug/l	100
24) 1,1-Dichloroethane	5.82	63	489833	47.714	ug/l	99
25) 2-Butanone	6.82	43	830100	235.914	ug/l	99
26) 2,2-Dichloropropane	6.80	77	397145	44.672	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	272342	47.686	ug/l	99
28) Bromochloromethane	7.17	49	278689	50.410	ug/l	99
29) Tetrahydrofuran	7.20	42	555801	239.550	ug/l	99
30) Chloroform	7.36	83	473725	49.738	ug/l	98
31) Cyclohexane	7.63	56	472965	47.718	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	416593	47.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	357701	48.063	ug/l	99
37) Ethyl Acetate	6.91	43	351590	47.809	ug/l	99
38) Carbon Tetrachloride	7.76	117	352309	47.651	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	435715	49.295	ug/l	96
40) Benzene	8.03	78	1050955	47.049	ug/l	98
41) Methacrylonitrile	7.15	41	178960	51.034	ug/l	90
42) 1,2-Dichloroethane	8.11	62	405386	47.134	ug/l	100
43) Isopropyl Acetate	8.16	43	641828	47.598	ug/l	100
44) Trichloroethene	8.82	130	240068	48.146	ug/l	97
45) 1,2-Dichloropropane	9.11	63	296360	47.109	ug/l	100
46) Dibromomethane	9.20	93	185424	50.306	ug/l	98
47) Bromodichloromethane	9.40	83	388607	46.823	ug/l	100
48) Methyl methacrylate	9.19	41	302409	47.162	ug/l	97
49) 1,4-Dioxane	9.20	88	81310	980.608	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1820967	242.308	ug/l	99
52) Toluene	10.15	92	647882	50.323	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	420572	48.378	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	450060	46.497	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249247	47.874	ug/l	97
56) Ethyl methacrylate	10.43	69	413861	50.532	ug/l	99
57) 1,3-Dichloropropane	10.70	76	439871	48.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	521981	230.285	ug/l	100
59) 2-Hexanone	10.75	43	1265688	245.551	ug/l	99
60) Dibromochloromethane	10.90	129	270080	49.087	ug/l	99
61) 1,2-Dibromoethane	11.00	107	252105	49.370	ug/l	98
64) Tetrachloroethene	10.63	164	214606	46.370	ug/l	97
65) Chlorobenzene	11.43	112	639135	47.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	238323	46.471	ug/l	99
67) Ethyl Benzene	11.51	91	1230234	47.530	ug/l	99
68) m/p-Xylenes	11.62	106	881244	100.114	ug/l	97
69) o-Xylene	11.95	106	428120	49.097	ug/l	100
70) Styrene	11.96	104	707948	51.273	ug/l	99
71) Bromoform	12.13	173	164040	47.318	ug/l #	99
73) Isopropylbenzene	12.25	105	1152670	52.617	ug/l	99
74) N-amyl acetate	12.07	43	547475	53.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	336906	53.468	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	297849m	54.641	ug/l	
77) Bromobenzene	12.53	156	235210	51.837	ug/l	97
78) n-propylbenzene	12.59	91	1312986	52.186	ug/l	100
79) 2-Chlorotoluene	12.68	91	771654	52.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954916	53.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112634	50.433	ug/l	97
82) 4-Chlorotoluene	12.78	91	763890	51.812	ug/l	99
83) tert-Butylbenzene	12.99	119	800017	53.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	935400	48.547	ug/l	99
85) sec-Butylbenzene	13.17	105	1078338	52.801	ug/l	100
86) p-Isopropyltoluene	13.29	119	914047	47.182	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	391307	48.879	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	382416	48.778	ug/l	98
89) n-Butylbenzene	13.62	91	811060	49.473	ug/l	100
90) Hexachloroethane	13.88	117	190525	52.768	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	386029	50.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57664	48.666	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148940	48.364	ug/l	99
94) Hexachlorobutadiene	15.01	225	110253	57.091	ug/l	97
95) Naphthalene	15.13	128	493810	50.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	152765	49.501	ug/l	97

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

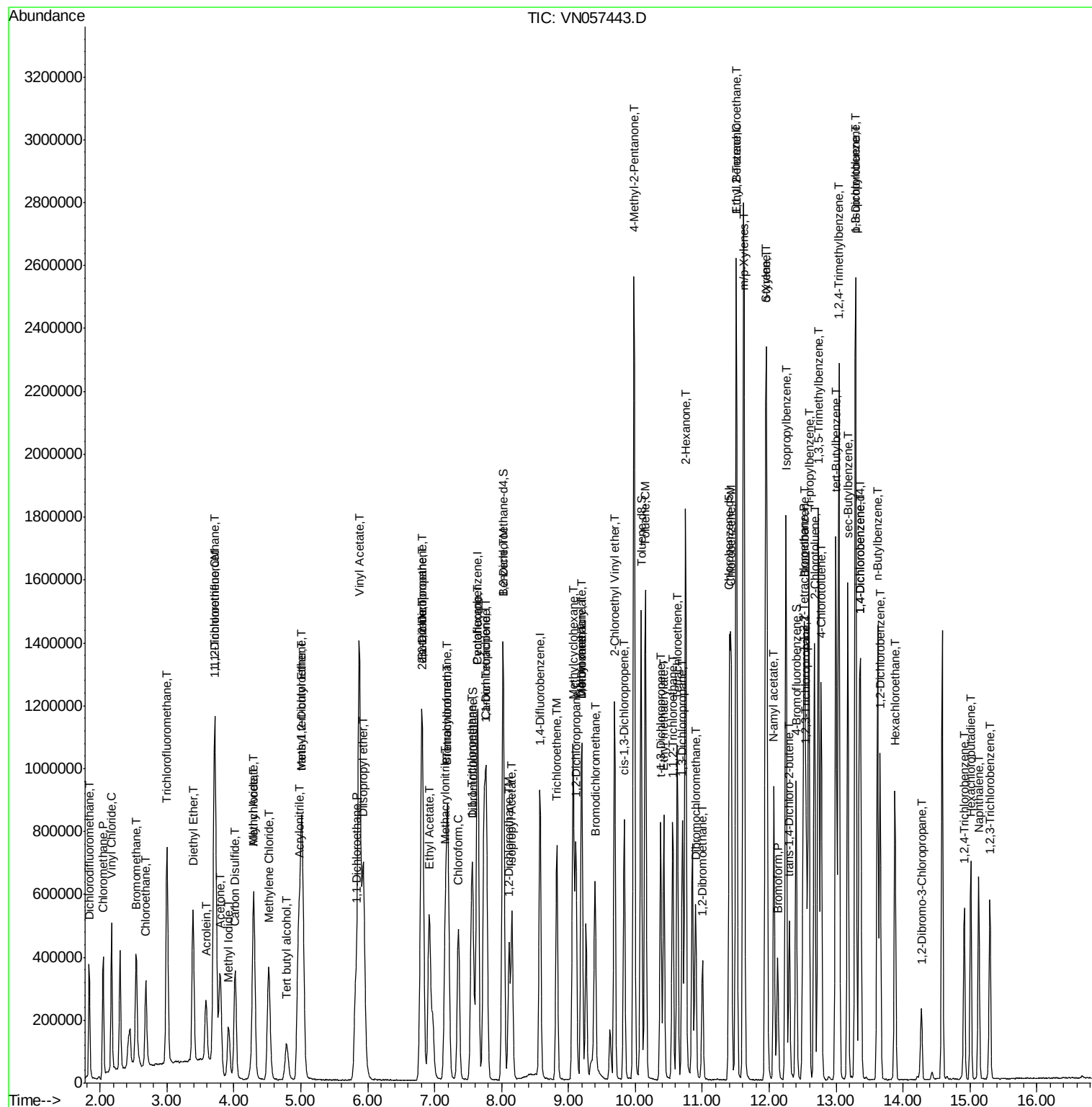
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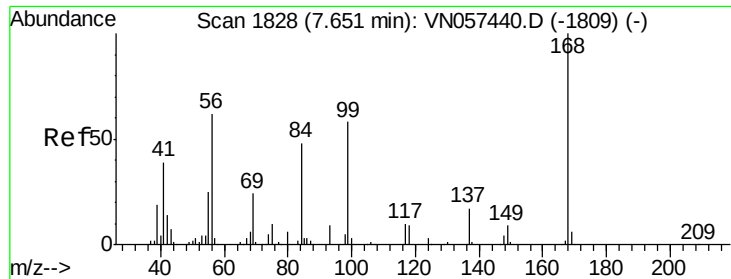
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion:168 Resp: 401110

Ion Ratio Lower Upper

168 100

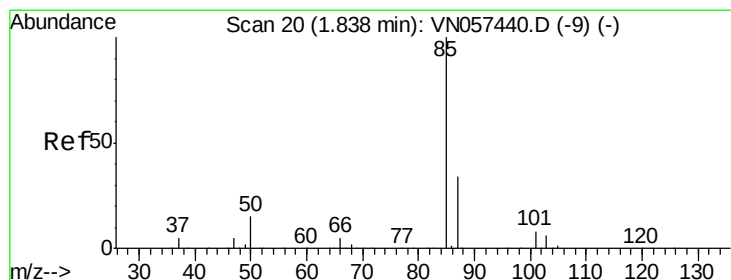
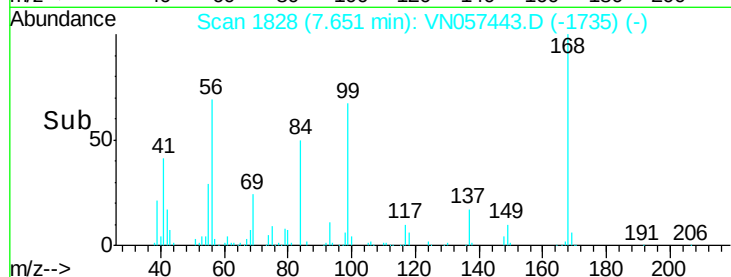
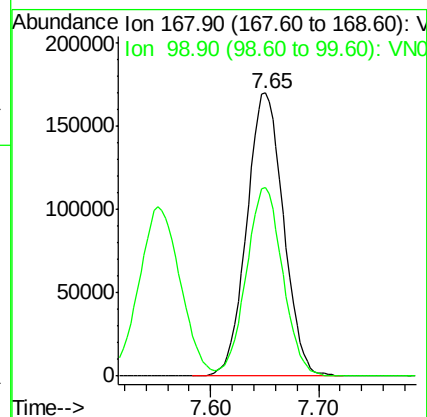
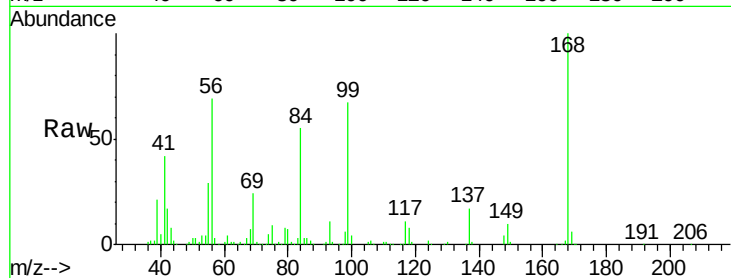
99 66.7 50.6 76.0

Manual Integrations

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8/23/2019 2:40:20 PM



#2

Dichlorodifluoromethane

Concen: 56.467 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057443.D

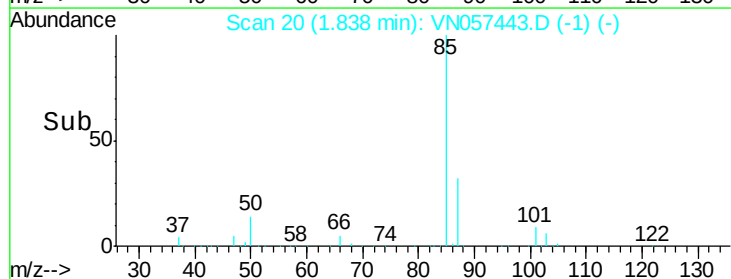
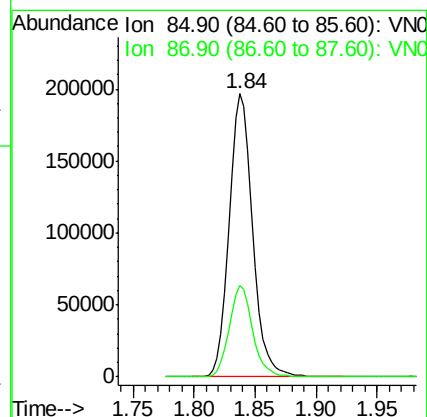
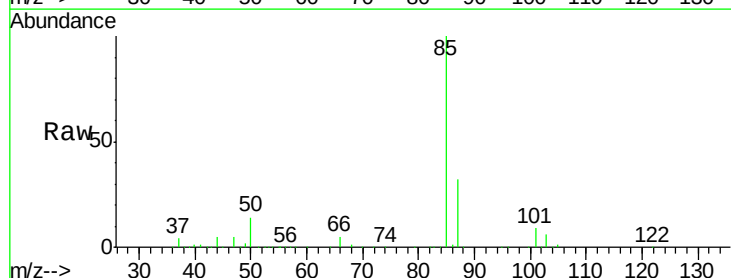
Acq: 22 Aug 2019 19:34

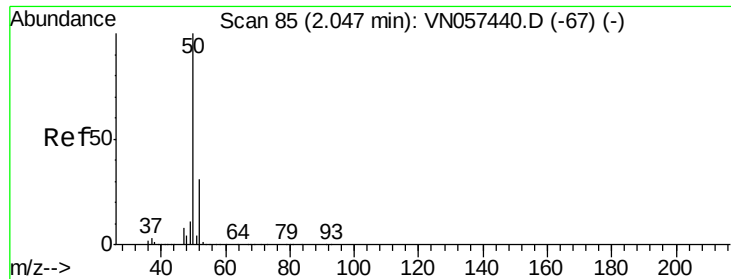
Tgt Ion: 85 Resp: 267277

Ion Ratio Lower Upper

85 100

87 32.3 17.1 51.2





#3

Chloromethane

Concen: 48.197 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 50 Resp: 325829

Ion Ratio Lower Upper

50 100

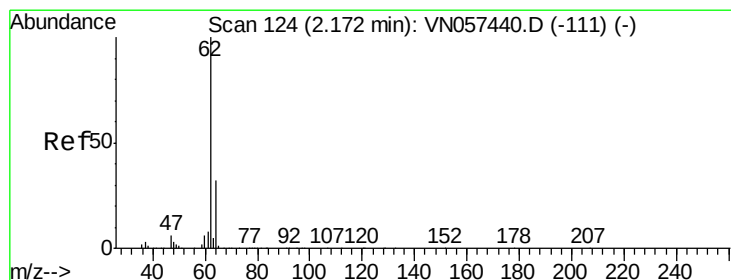
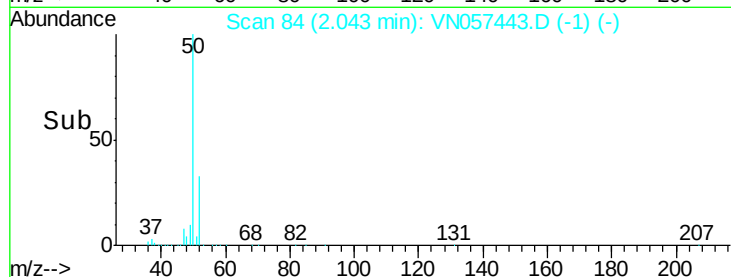
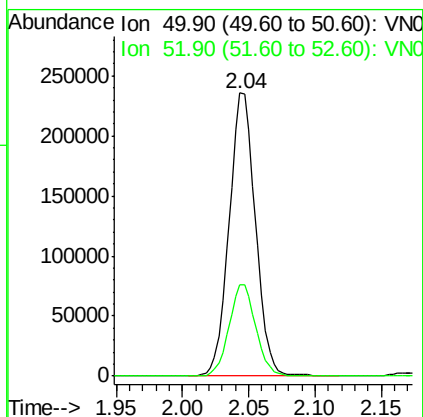
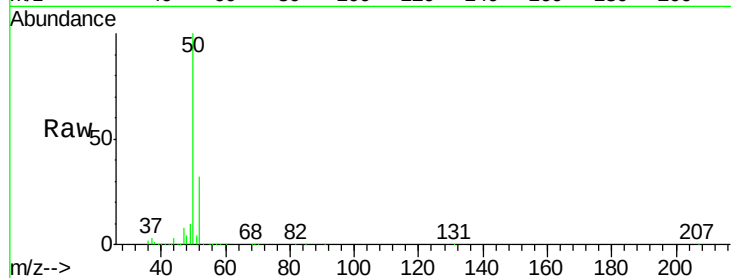
52 32.5 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.305 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057443.D

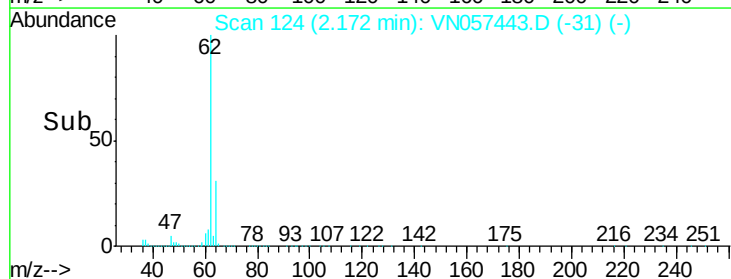
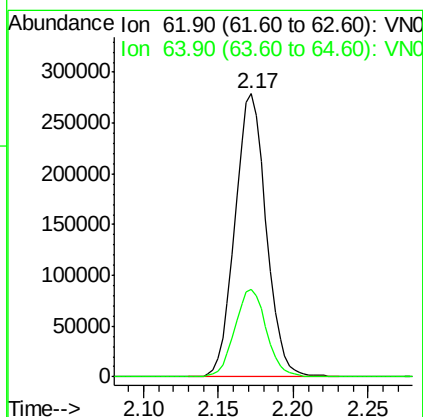
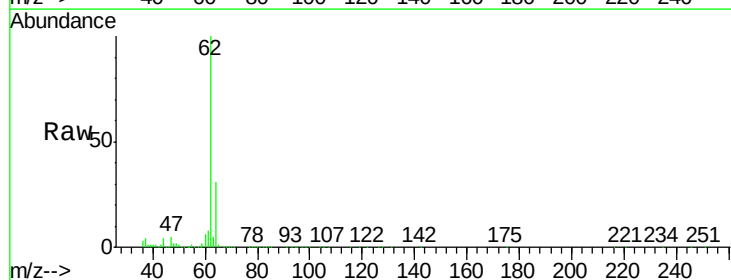
Acq: 22 Aug 2019 19:34

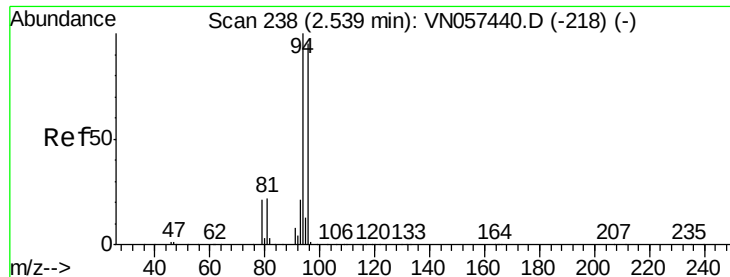
Tgt Ion: 62 Resp: 405706

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 50.419 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

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ClientSampleId :

ICVVN082219

Tot Ion: 94 Resp: 255673

Ion Ratio Lower Upper

94 100

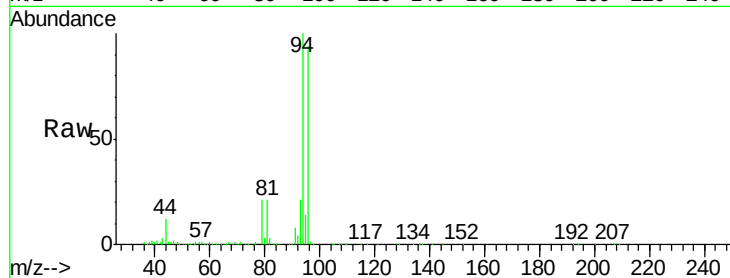
96 94.2 76.2 114.4

Manual Integrations

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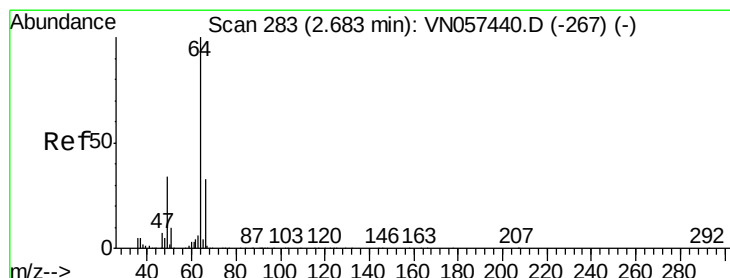
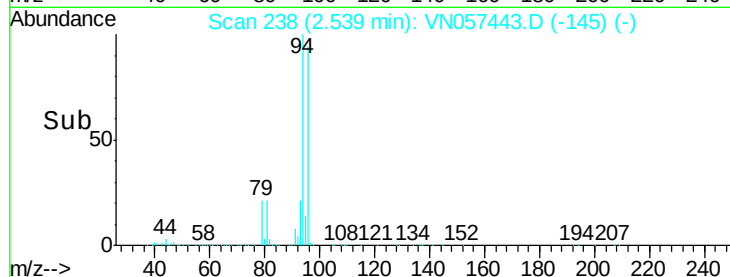
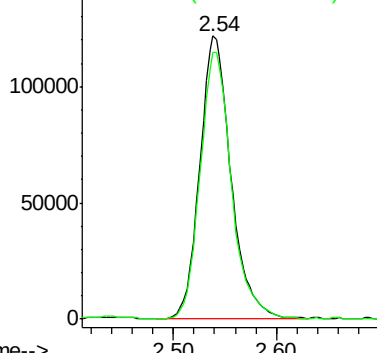
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.027 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057443.D

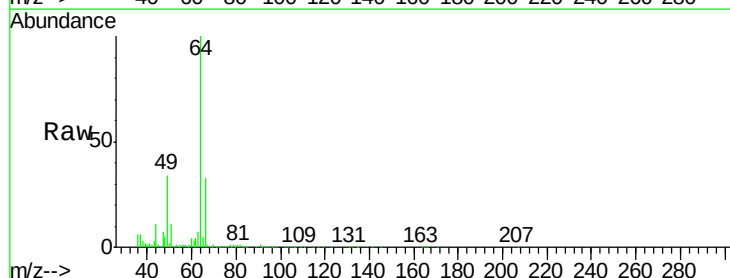
Acq: 22 Aug 2019 19:34

Tgt Ion: 64 Resp: 243616

Ion Ratio Lower Upper

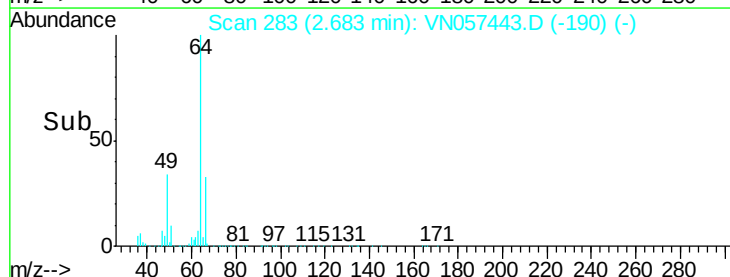
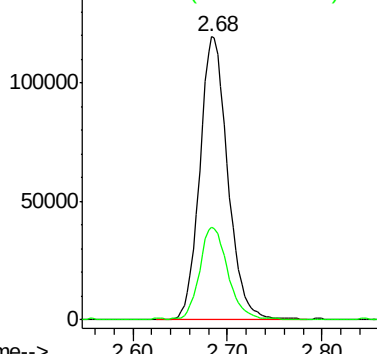
64 100

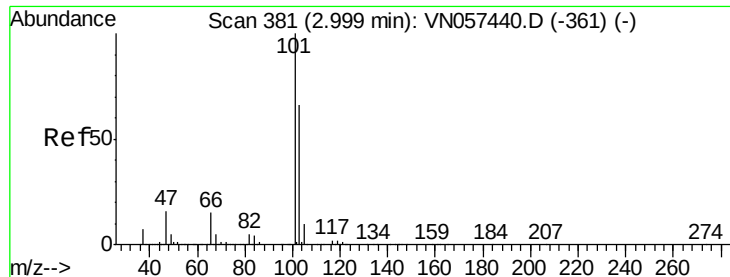
66 32.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

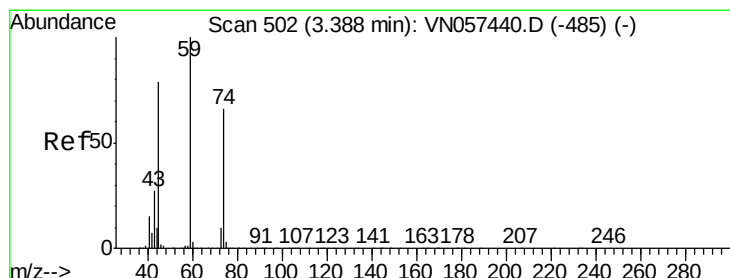
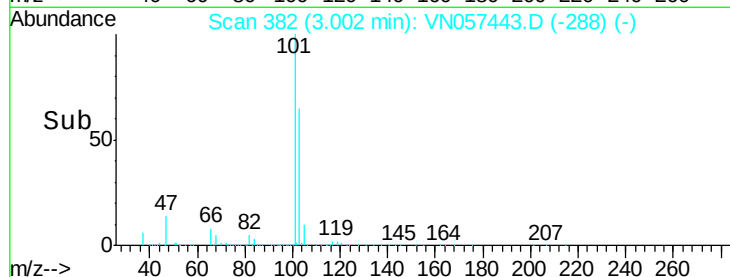
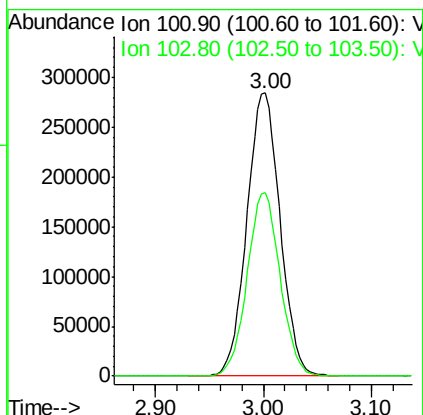
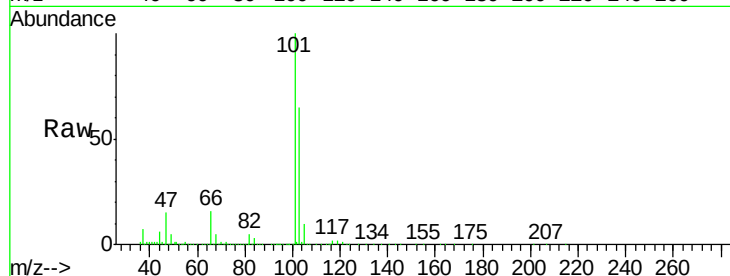
Trichlorofluoromethane
Concen: 47.650 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		608608		
103	64.5	52.6	78.8		

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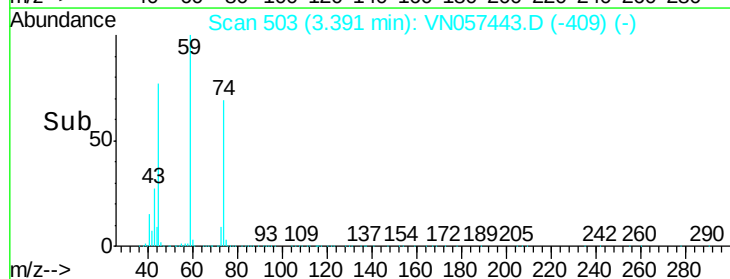
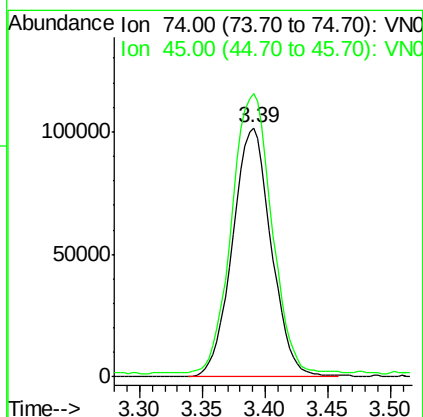
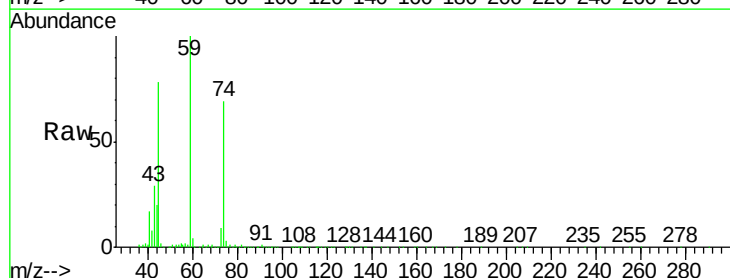
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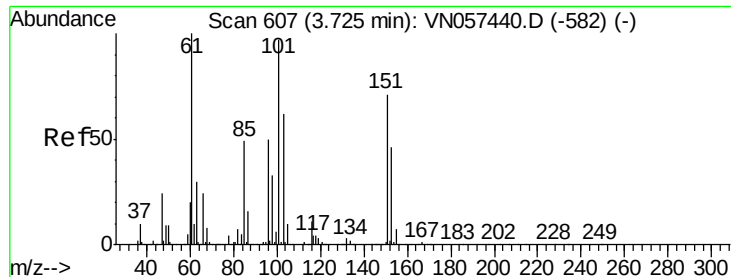


#8

Diethyl Ether
Concen: 50.336 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		216194		
45	116.4	57.9	173.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.597 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

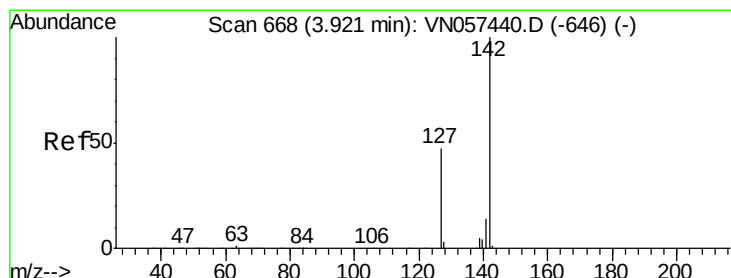
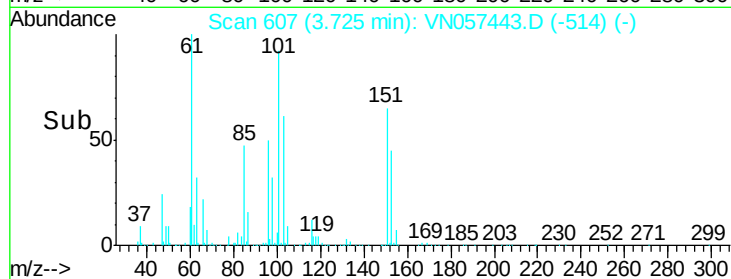
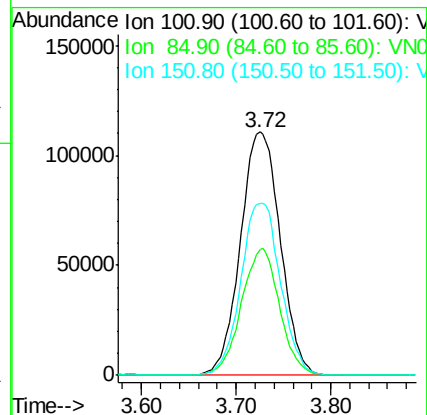
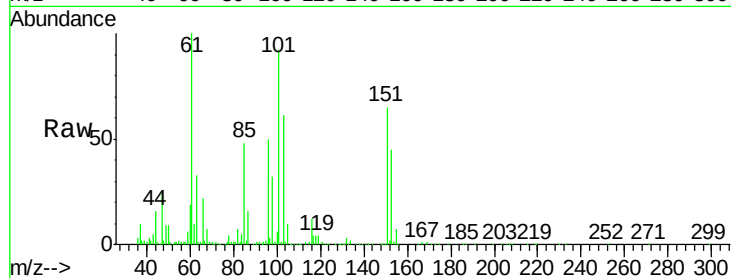
ClientSampleId :

ICVVN082219

Tot Ion:	101	Resp:	323452
Ion Ratio	Lower	Upper	
101	100		
85	49.5	40.0	60.0
151	70.6	57.0	85.6

Manual Integrations
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MMDadoda
8/23/2019 2:40:20 PM



#10

Methyl Iodide

Concen: 50.314 ug/l

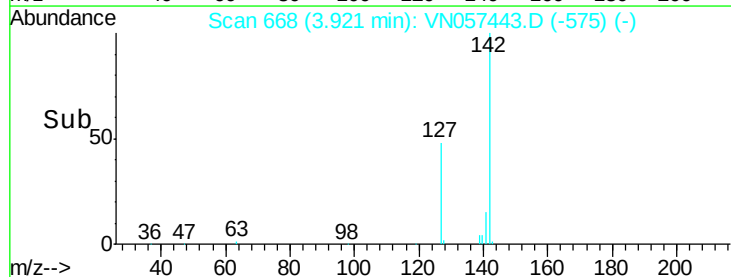
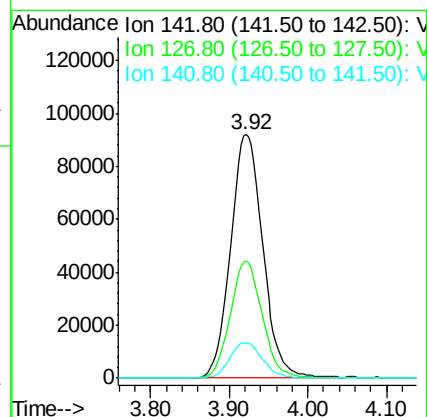
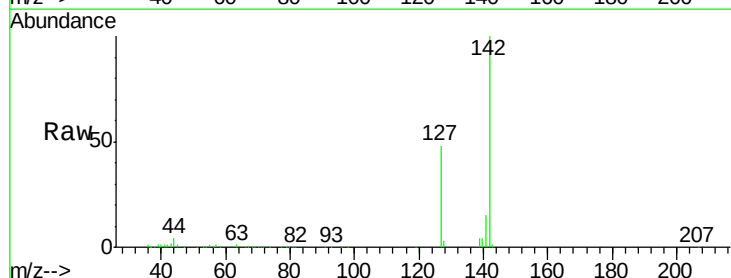
RT: 3.92 min Scan# 668

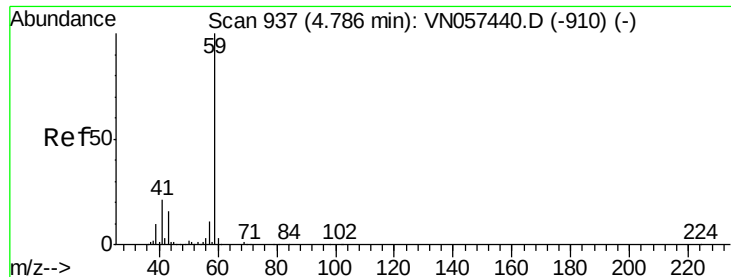
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	142	Resp:	262412
Ion Ratio	Lower	Upper	
142	100		
127	47.4	37.8	56.8
141	14.8	11.9	17.9





#11

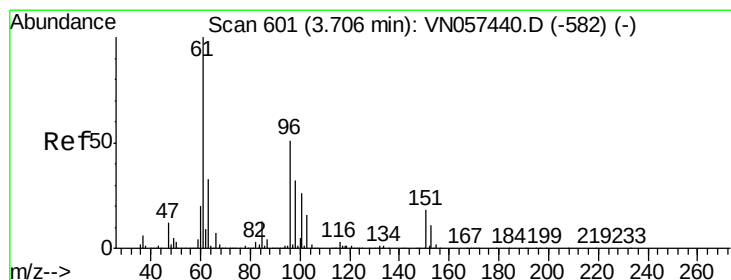
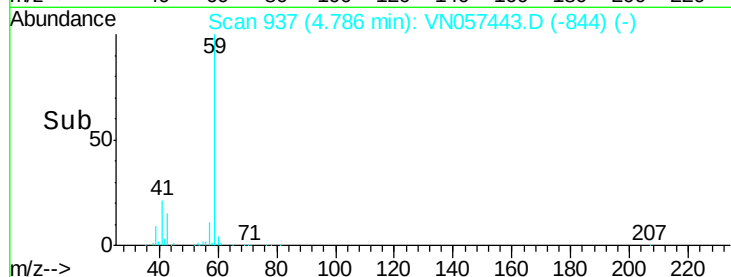
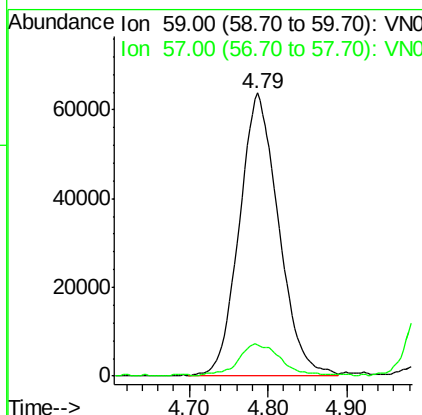
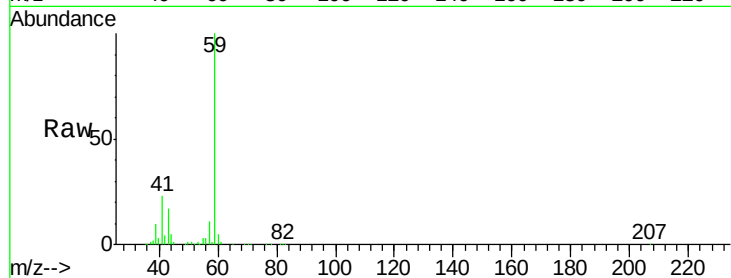
Tert butyl alcohol
 Concen: 253.950 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.1	13.7

Manual Integrations
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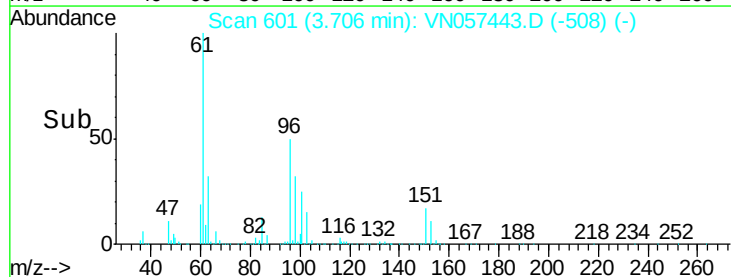
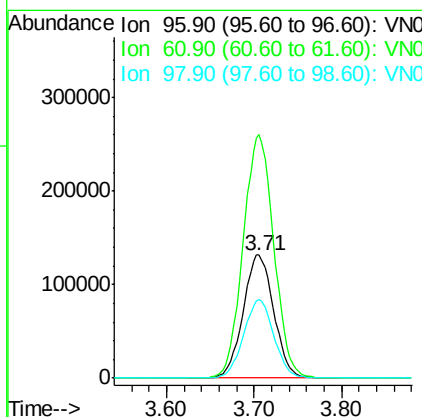
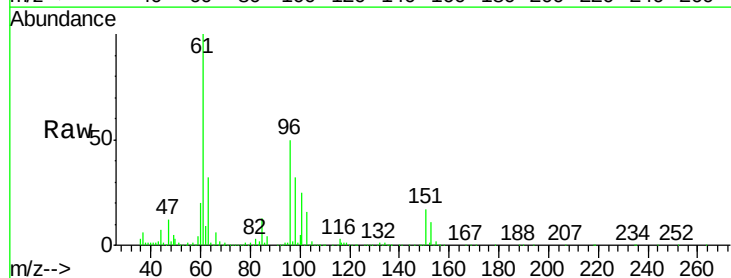
MMDadoda
 8/23/2019 2:40:20 PM

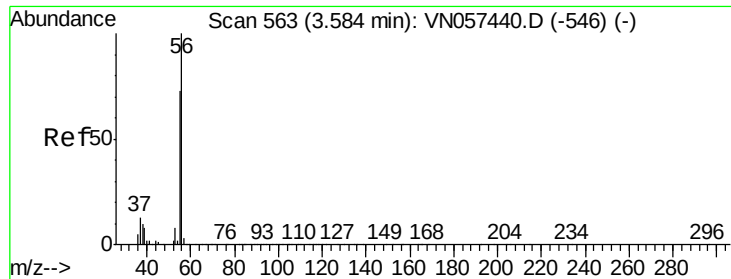


#12

1,1-Dichloroethene
 Concen: 46.594 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.3	155.3	232.9
98	64.1	50.2	75.2





#13

Acrolein

Concen: 256.687 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 56 Resp: 197877

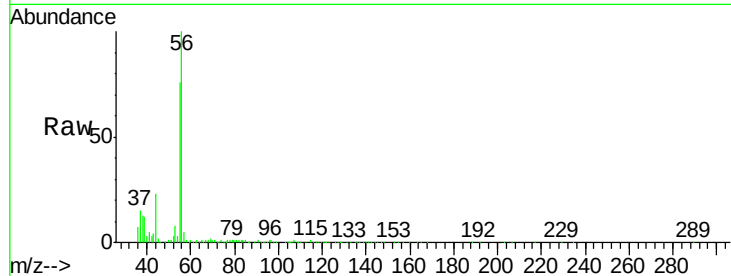
Ion Ratio Lower Upper

56 100

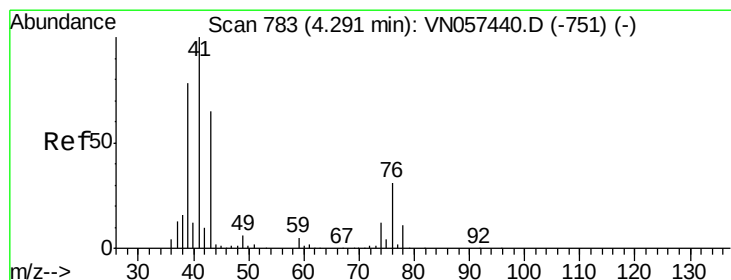
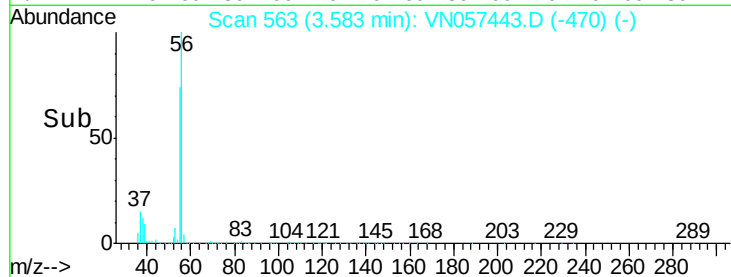
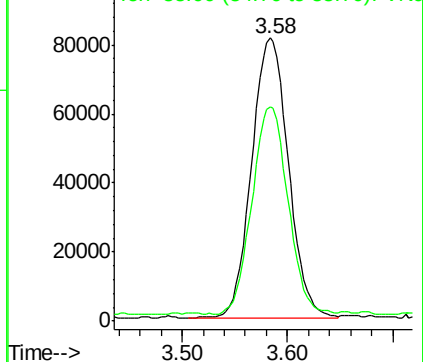
55 72.2 59.0 88.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 50.311 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

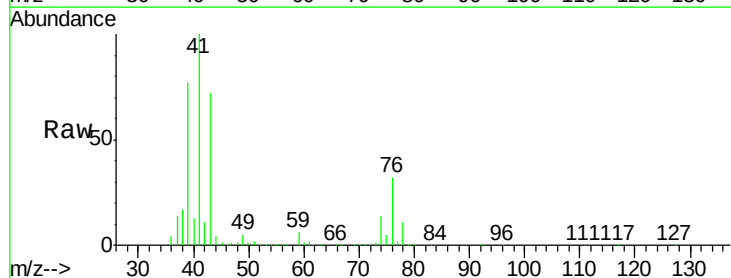
Tgt Ion: 41 Resp: 454971

Ion Ratio Lower Upper

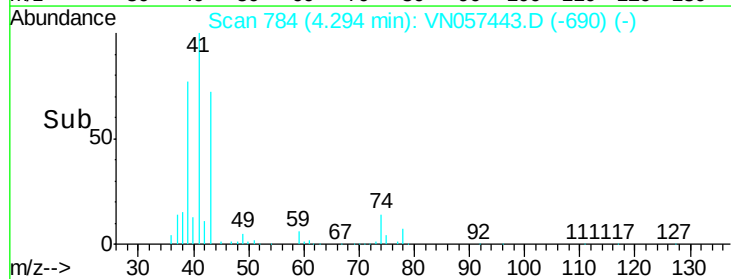
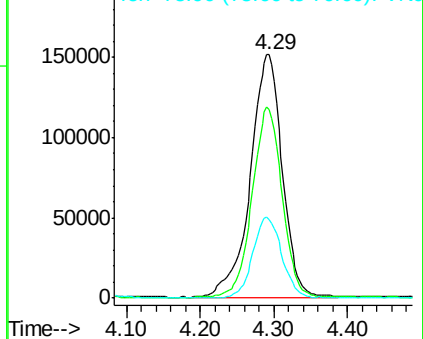
41 100

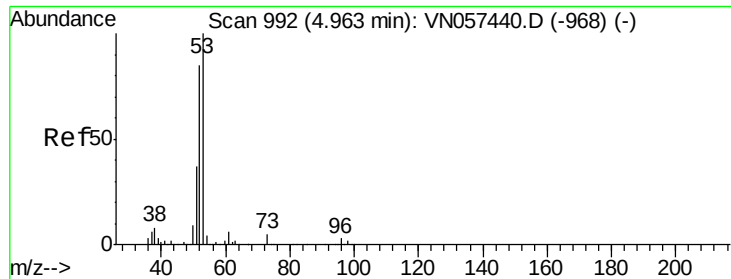
39 72.9 57.4 86.2

76 29.9 22.9 34.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 249.568 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

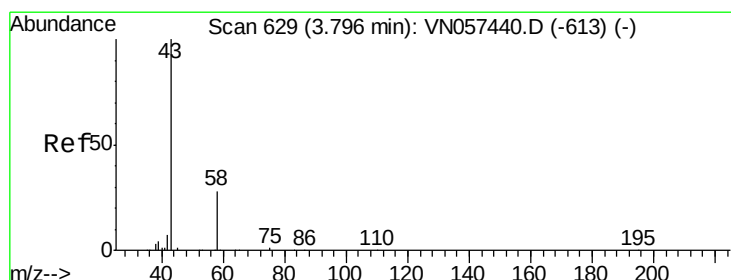
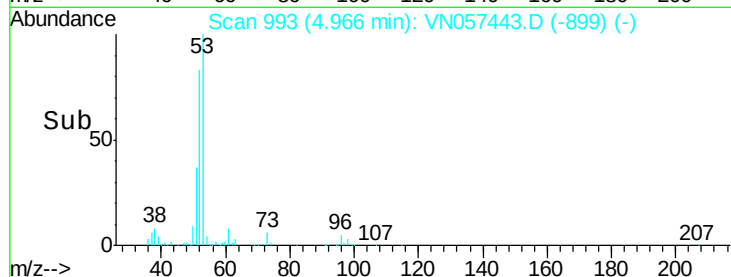
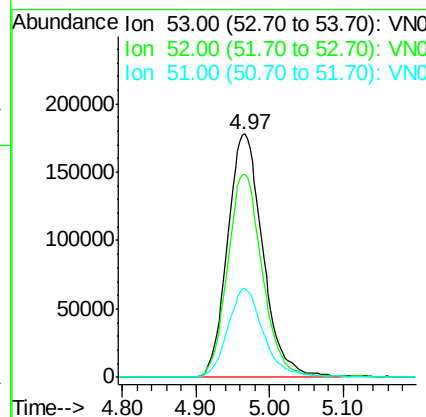
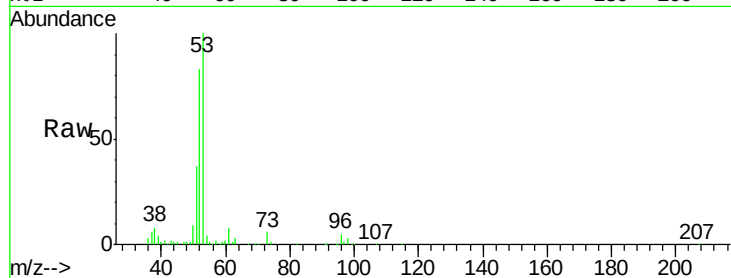
ClientSampleId :

ICVVN082219

Tot Ion:	53	Resp:	590043
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.0	100.6
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 177.308 ug/l

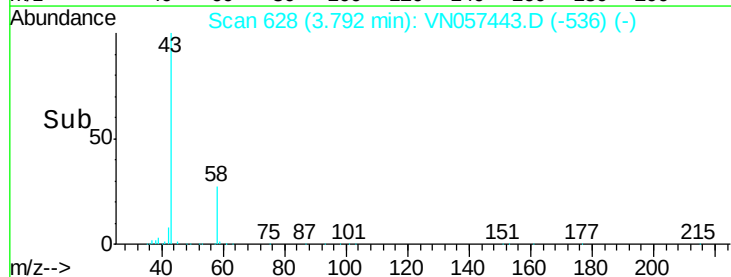
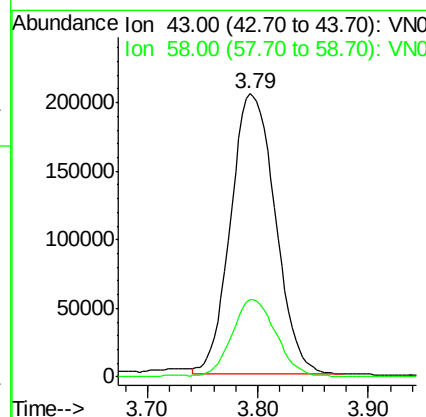
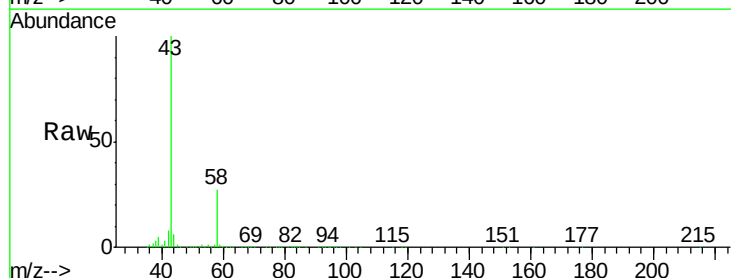
RT: 3.79 min Scan# 628

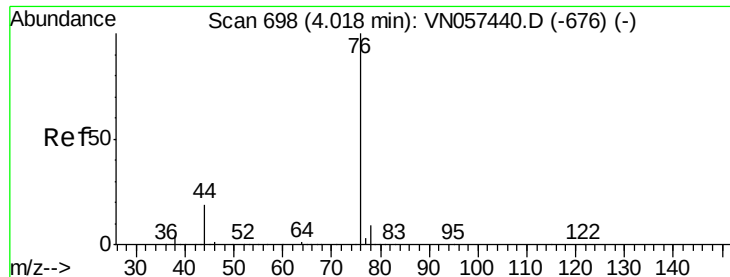
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	43	Resp:	574549
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.1	33.1





#17

Carbon Disulfide

Concen: 48.865 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 76 Resp: 636404

Ion Ratio Lower Upper

76 100

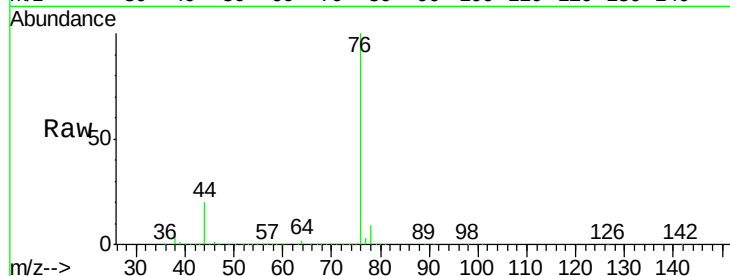
78 8.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

250000

200000

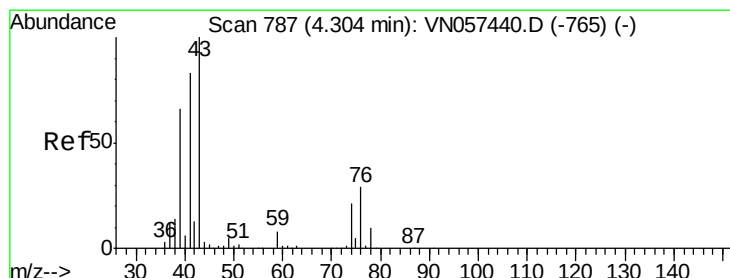
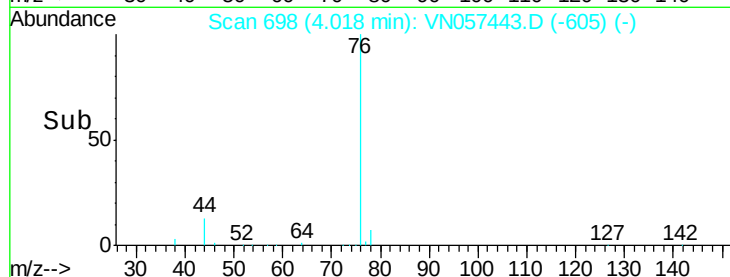
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.023 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057443.D

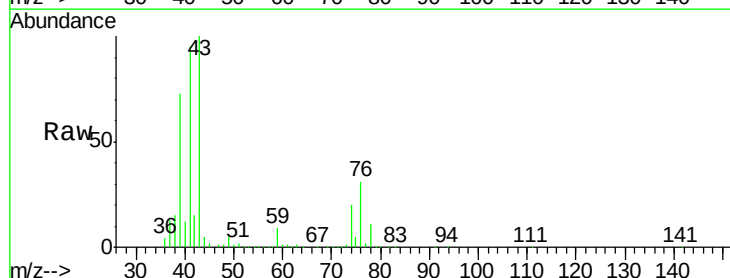
Acq: 22 Aug 2019 19:34

Tgt Ion: 43 Resp: 356664

Ion Ratio Lower Upper

43 100

74 20.4 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

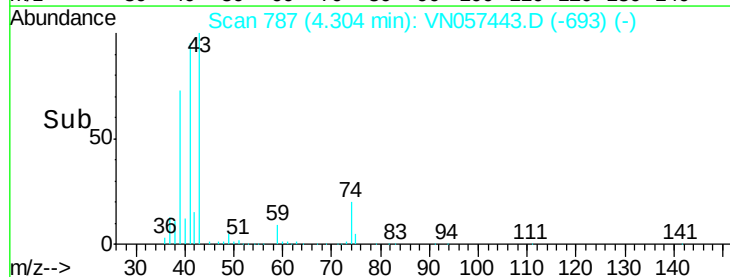
150000

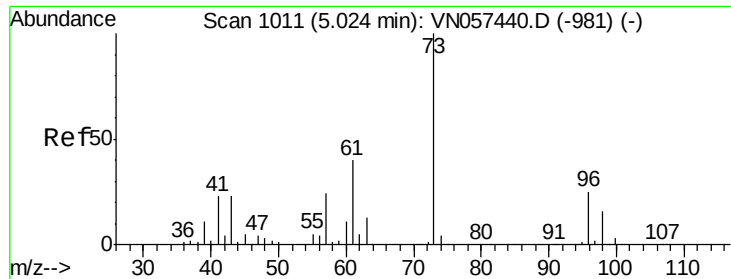
100000

50000

0

Time-->





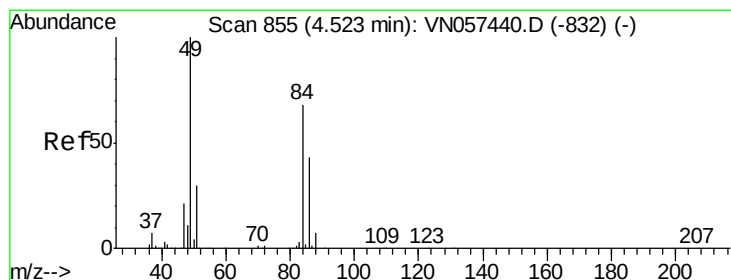
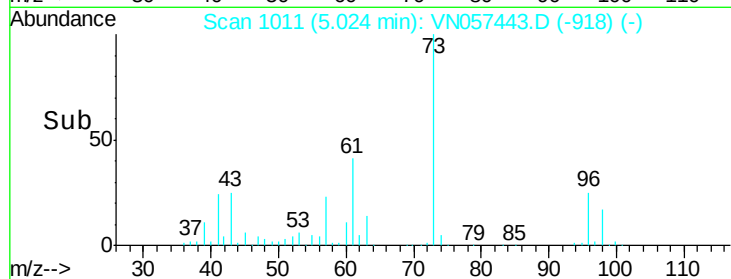
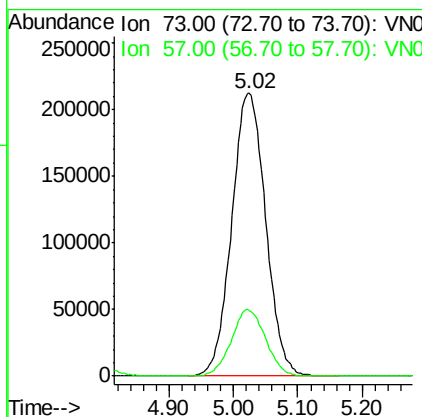
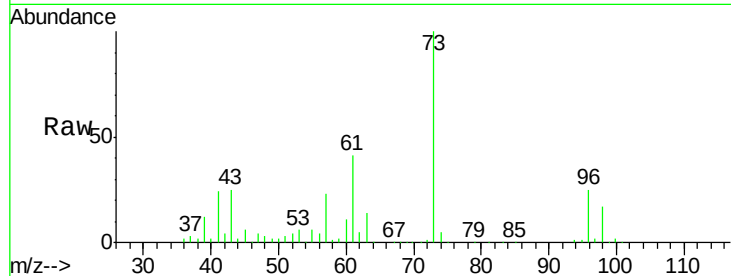
#19
Methyl tert-butyl Ether
Concen: 47.317 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion: 73 Resp: 779834
Ion Ratio Lower Upper
73 100
57 23.0 19.1 28.7

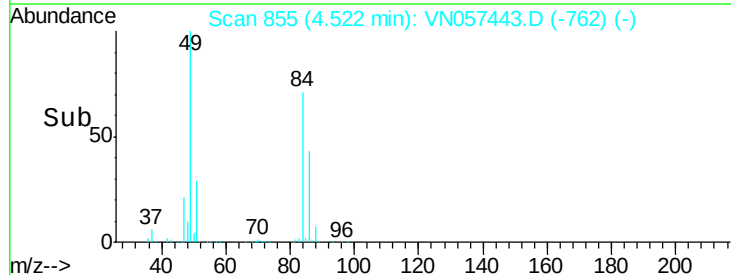
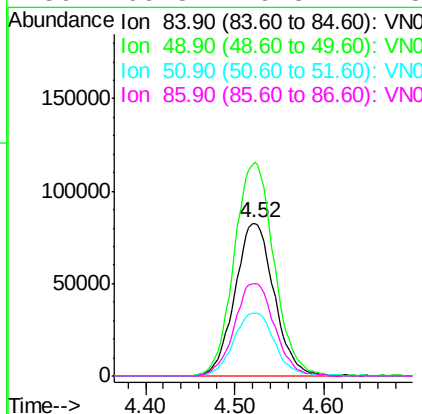
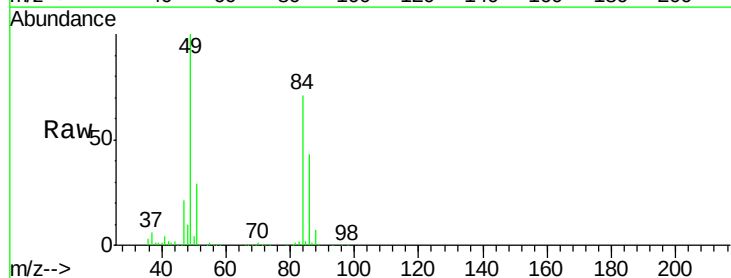
Manual Integrations
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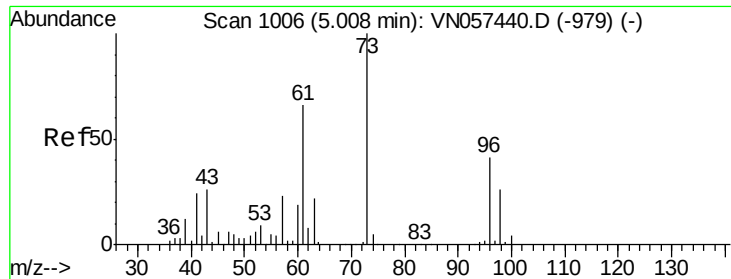
MMDadoda
8/23/2019 2:40:20 PM



#20
Methylene Chloride
Concen: 52.433 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 84 Resp: 251888
Ion Ratio Lower Upper
84 100
49 139.8 117.0 175.4
51 40.9 35.5 53.3
86 60.8 49.8 74.8





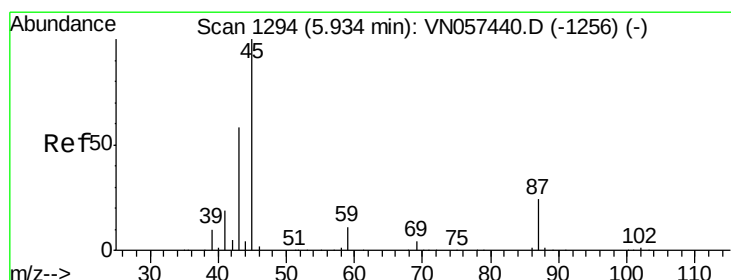
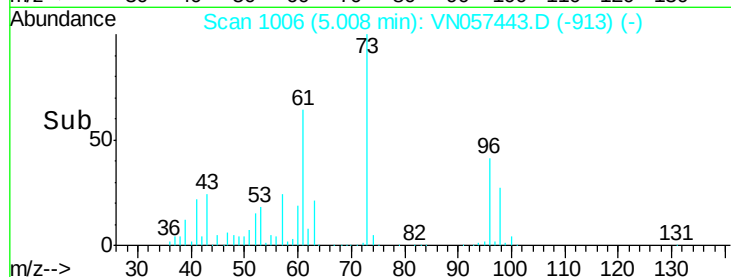
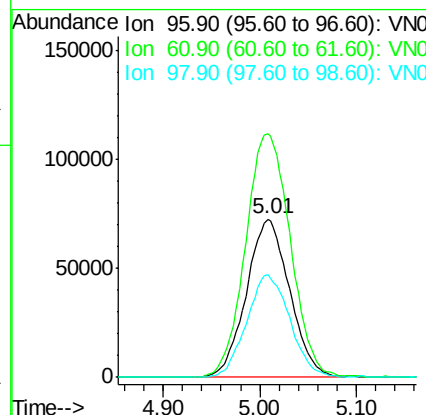
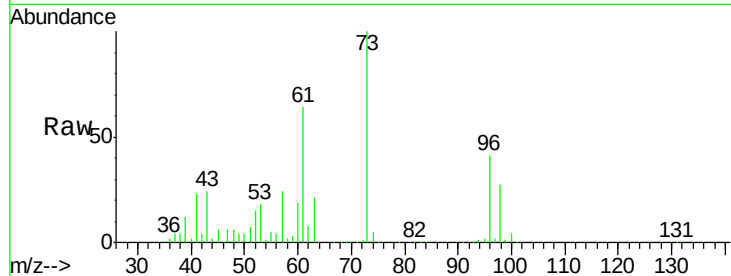
#21
trans-1,2-Dichloroethene
Concen: 46.936 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	127.9	191.9
98	64.4	50.6	76.0

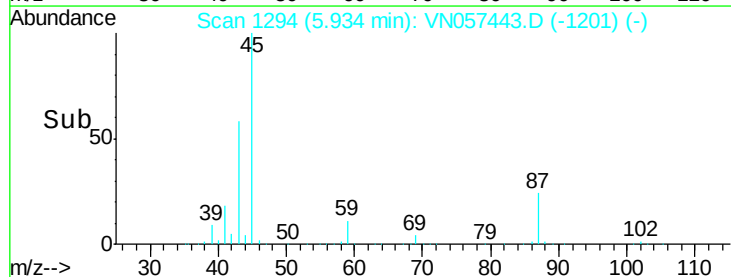
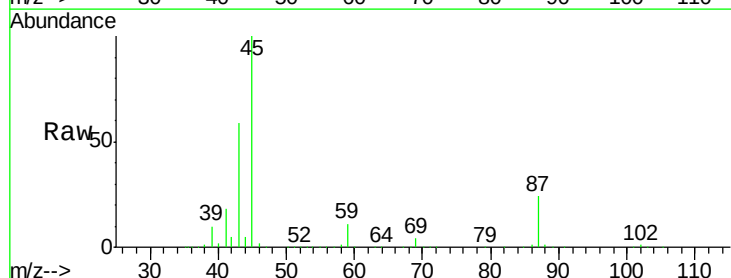
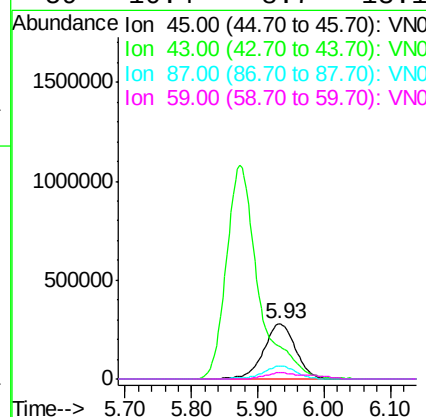
Manual Integrations
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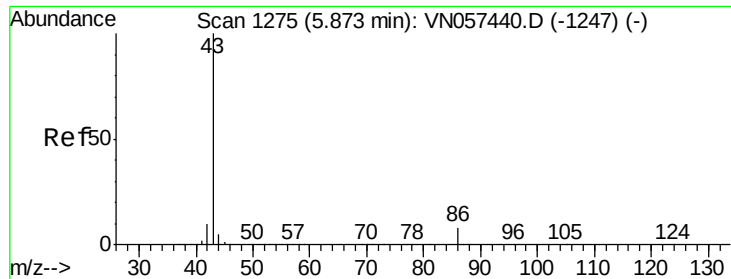
MMDadoda
8/23/2019 2:40:20 PM



#22
Diisopropyl ether
Concen: 48.300 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.9	70.3
87	24.0	19.3	28.9
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 239.615 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 43 Resp: 3625387

Ion Ratio Lower Upper

43 100

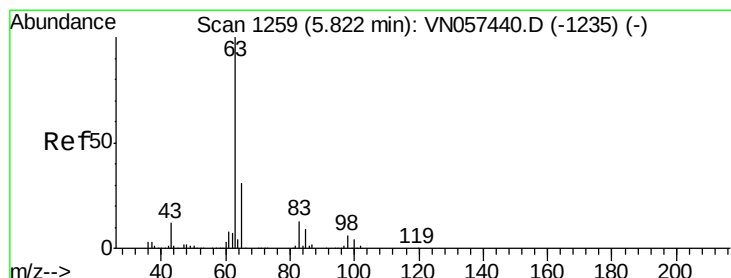
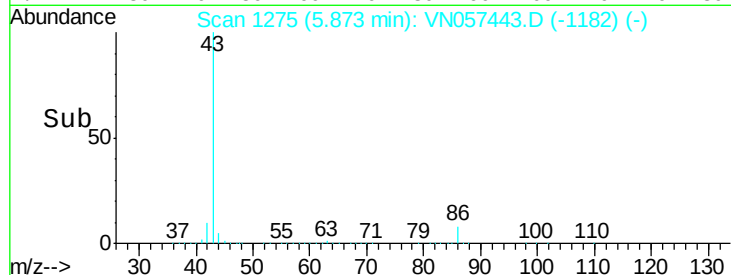
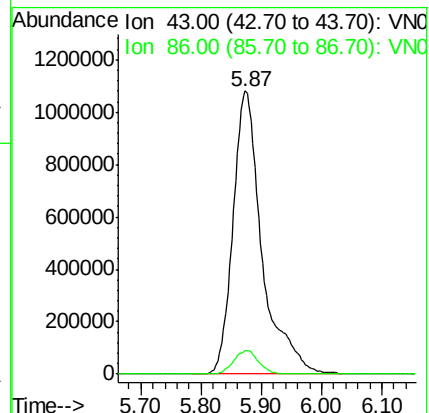
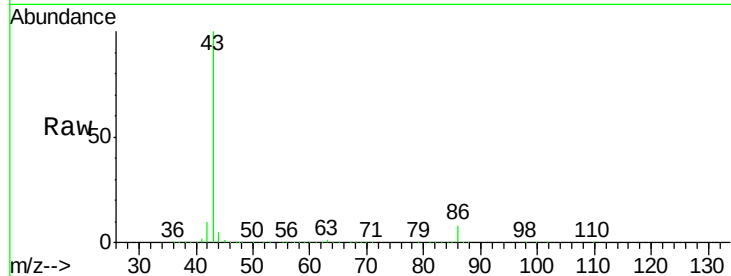
86 8.3 6.7 10.1

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:40:20 PM



#24

1,1-Dichloroethane

Concen: 47.714 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

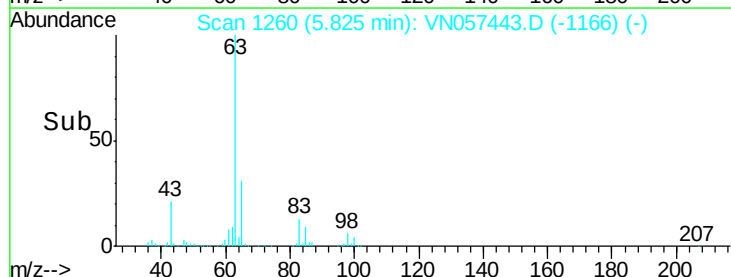
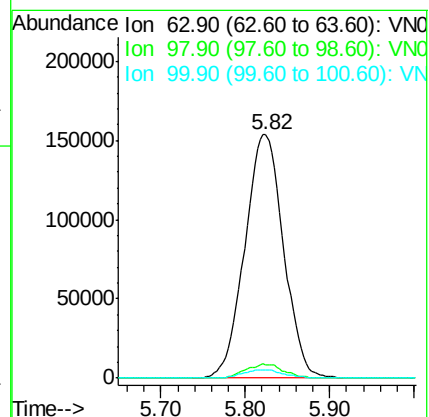
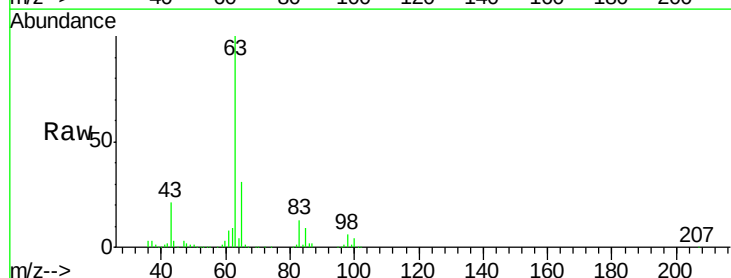
Tgt Ion: 63 Resp: 489833

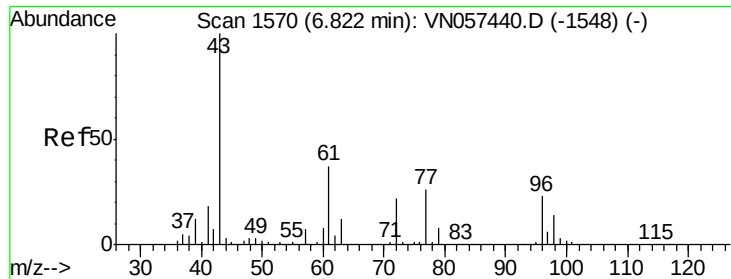
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 235.914 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 43 Resp: 830100

Ion Ratio Lower Upper

43 100

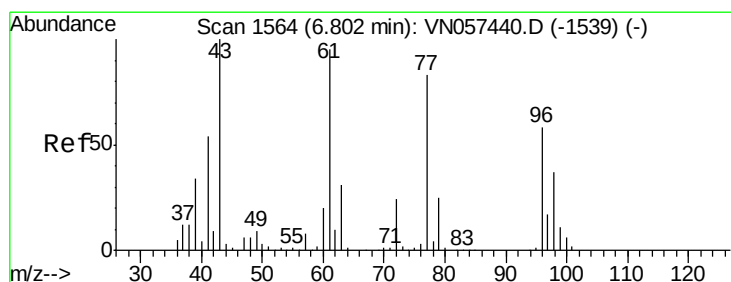
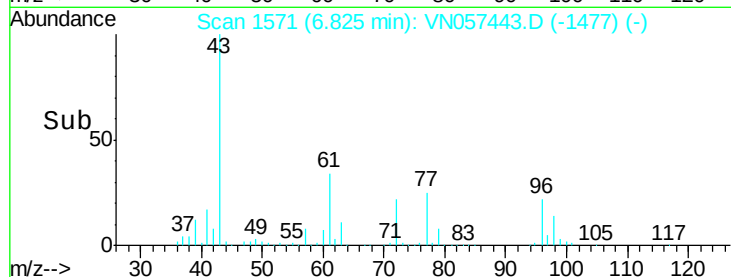
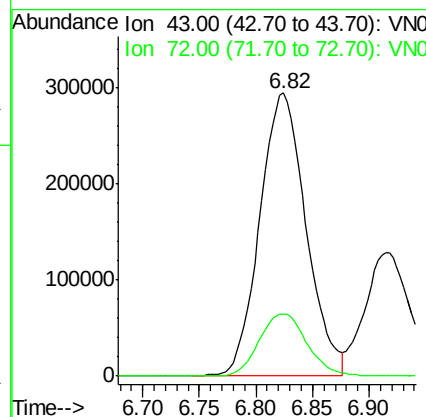
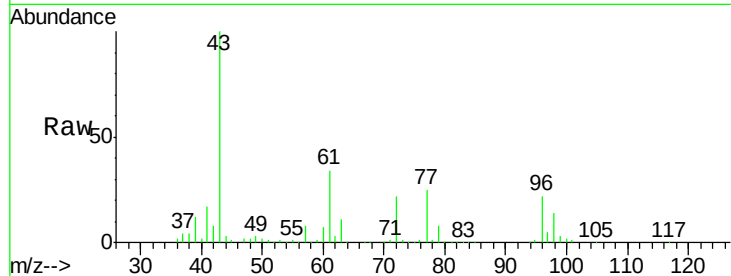
72 21.9 17.8 26.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:40:20 PM



#26

2,2-Dichloropropane

Concen: 44.672 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057443.D

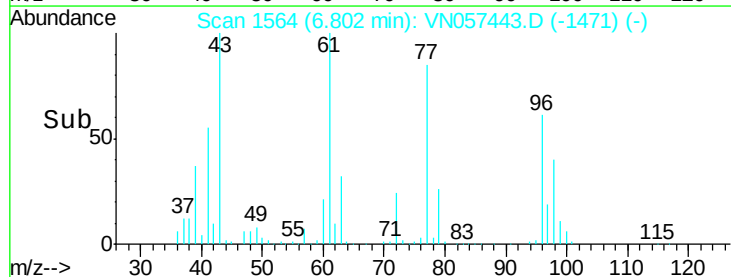
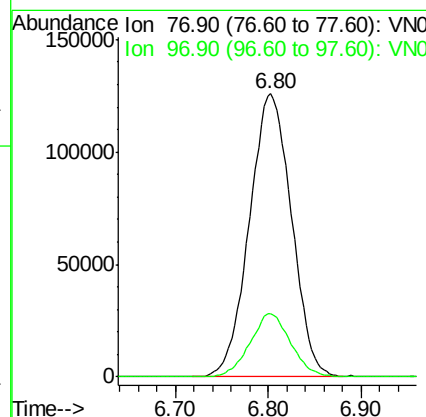
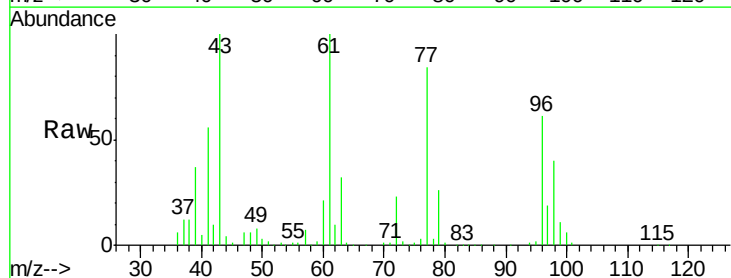
Acq: 22 Aug 2019 19:34

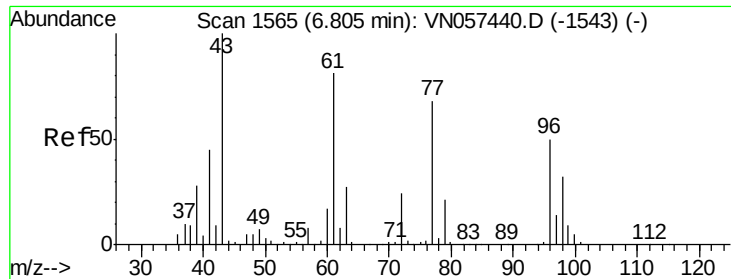
Tgt Ion: 77 Resp: 397145

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.686 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

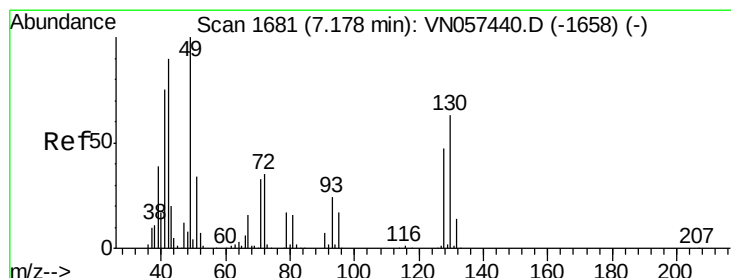
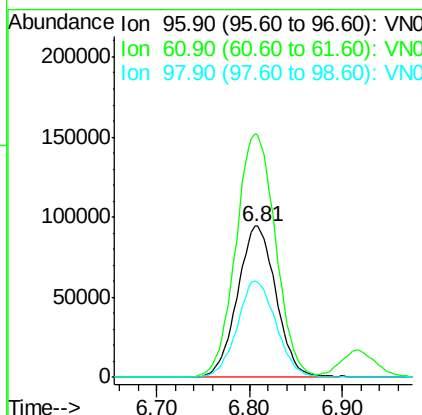
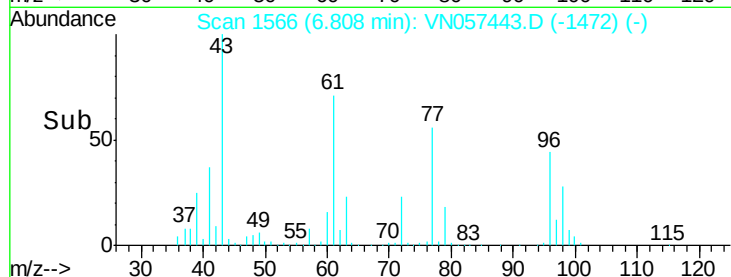
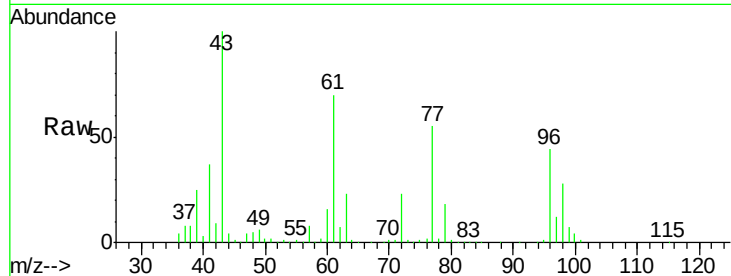
ClientSampled :

ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272342		
61	165.6	0.0	334.8	
98	64.0	0.0	127.4	

Manual Integrations
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8/23/2019 2:40:20 PM



#28

Bromochloromethane

Concen: 50.410 ug/l

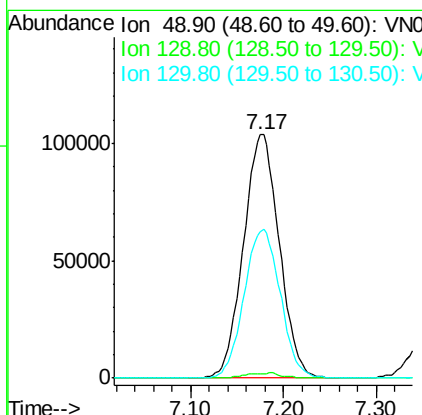
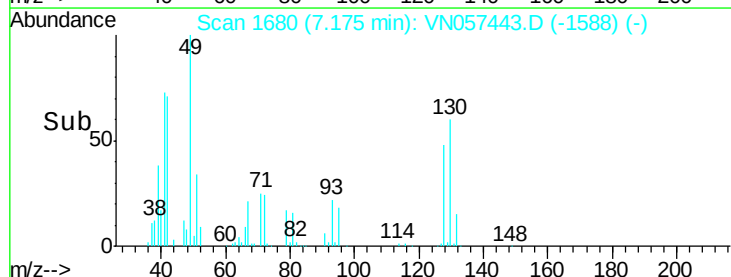
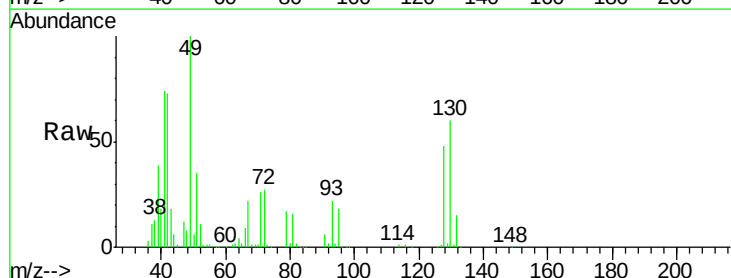
RT: 7.17 min Scan# 1680

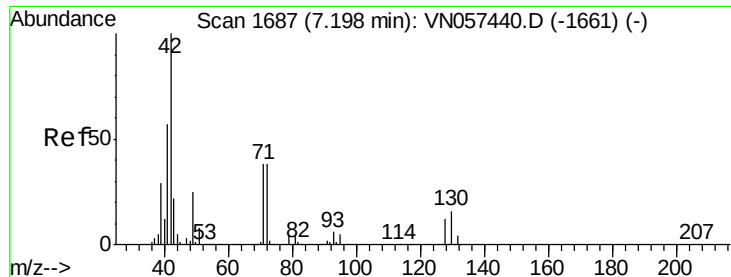
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	278689		
129	0.9	0.0	3.6	
130	61.6	48.6	72.8	





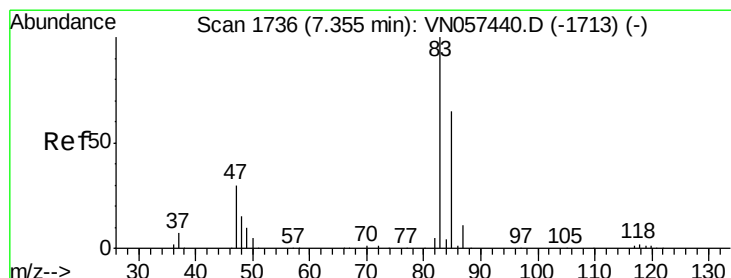
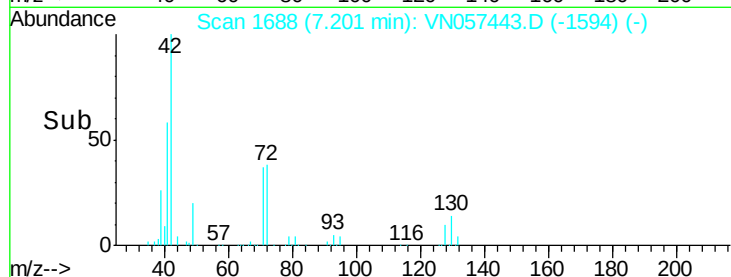
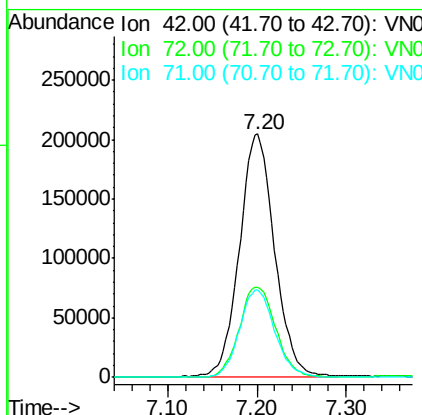
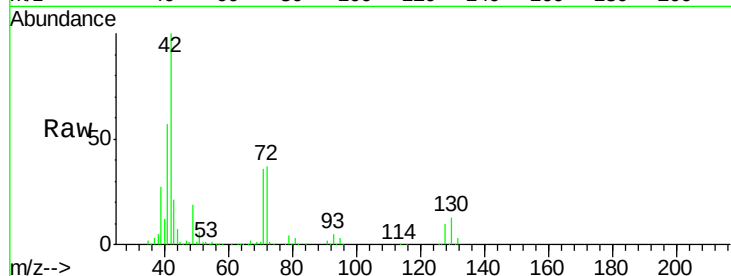
#29
Tetrahydrofuran
Concen: 239.550 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.1	45.1
71	36.6	28.8	43.2

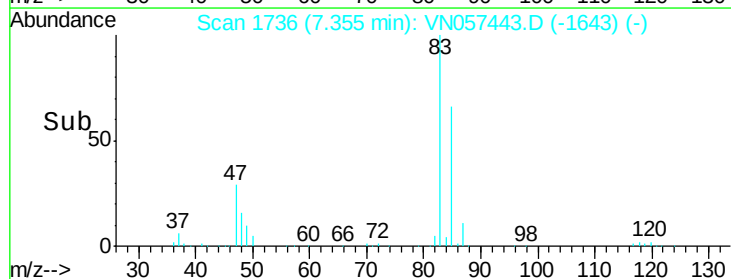
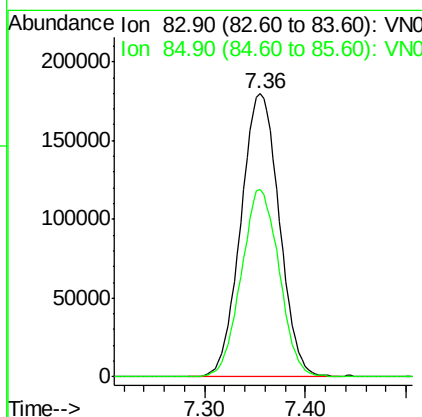
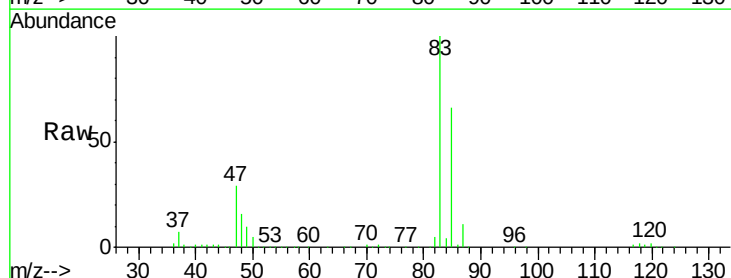
Manual Integrations
APPROVED

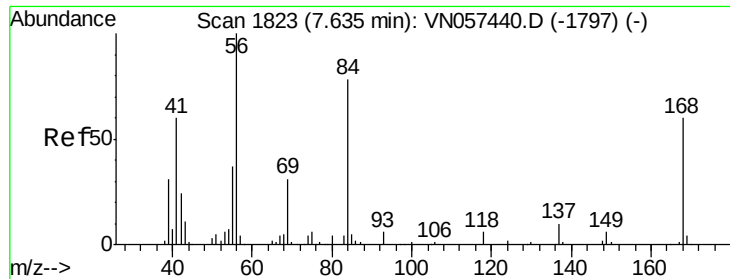
MMDadoda
8/23/2019 2:40:20 PM



#30
Chloroform
Concen: 49.738 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.9	77.9





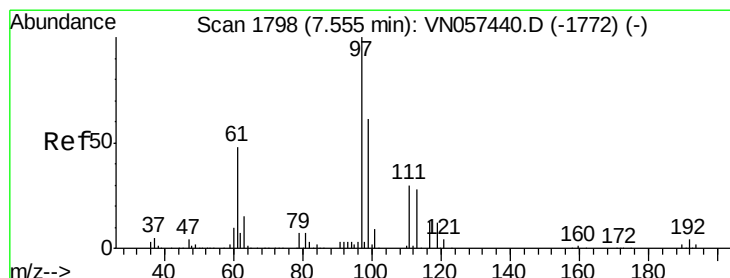
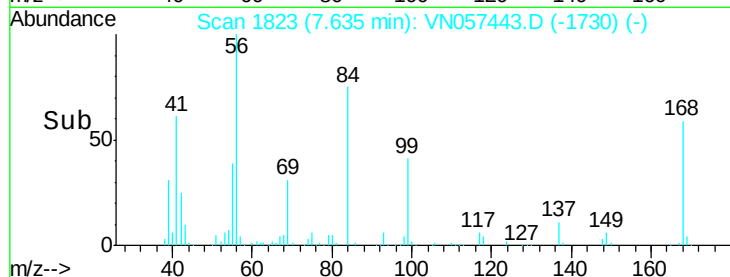
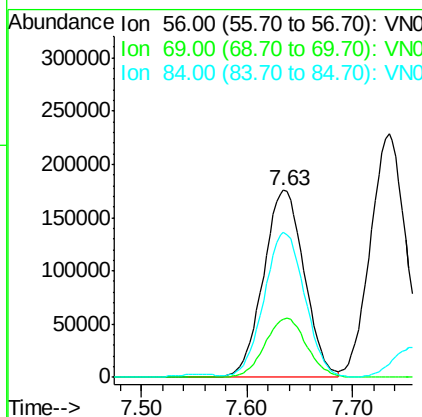
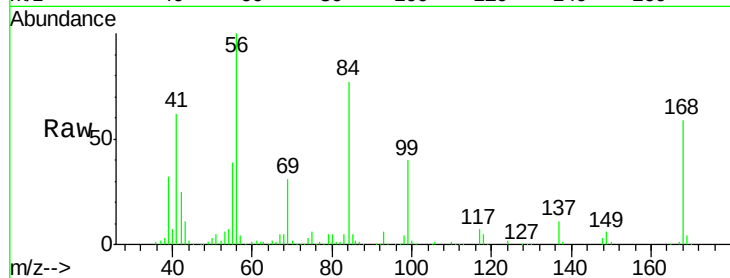
#31
Cyclohexane
Concen: 47.718 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	56	Resp	472965
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.0	37.6
84	75.9	62.5	93.7

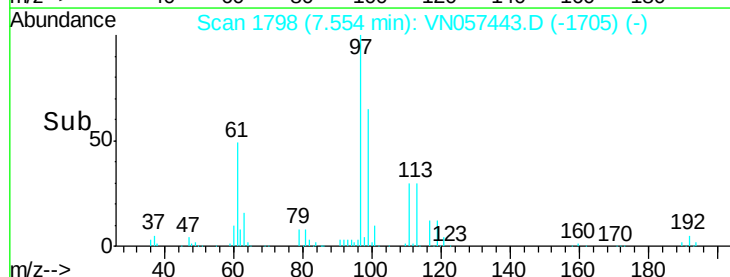
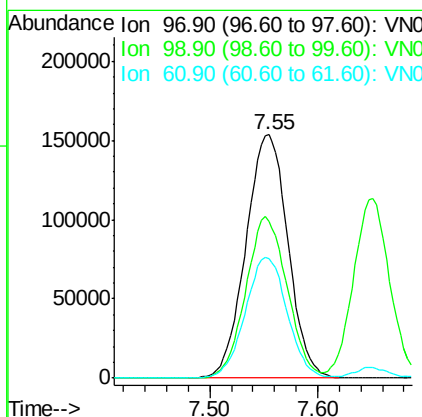
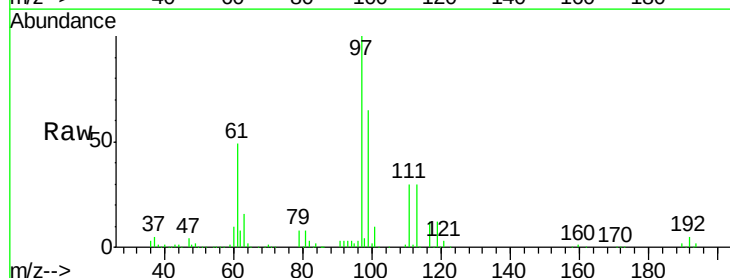
Manual Integrations
APPROVED

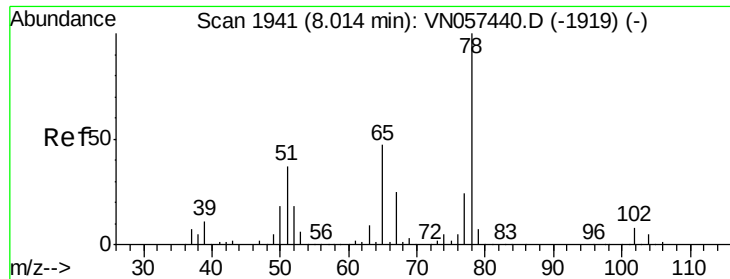
MMDadoda
8/23/2019 2:40:20 PM



#32
1,1,1-Trichloroethane
Concen: 47.306 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	97	Resp	416593
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	49.5	39.8	59.6





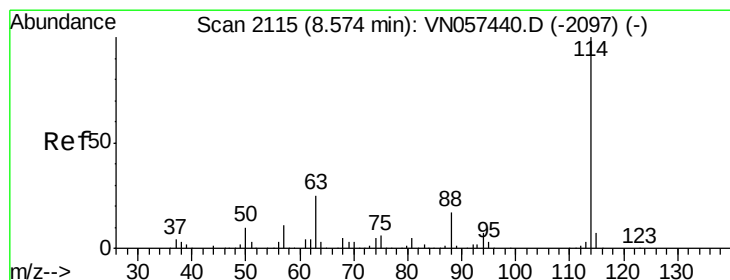
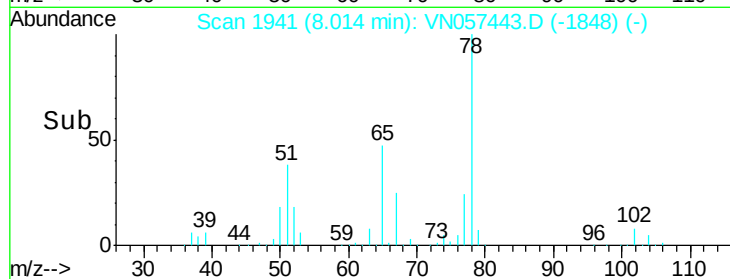
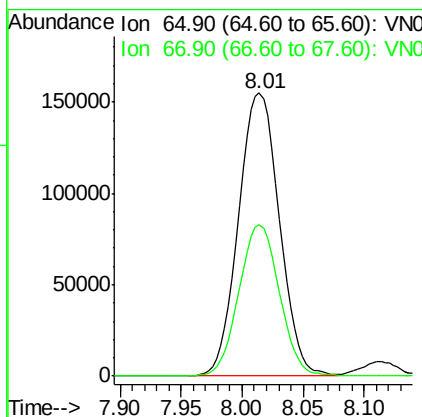
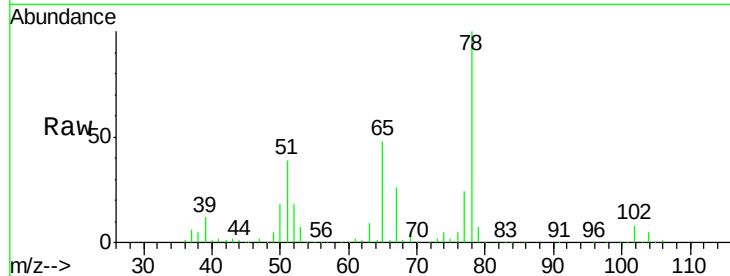
#33
 1,2-Dichloroethane-d4
 Concen: 51.115 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360666		
67	52.5	0.0	103.8	

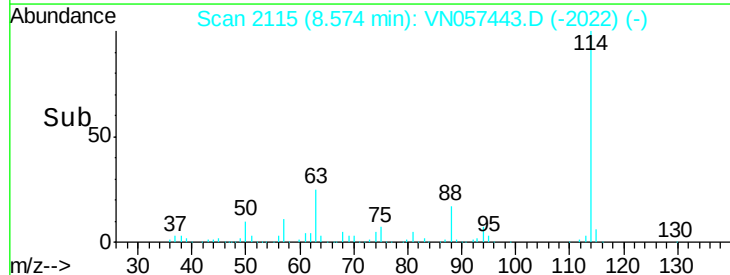
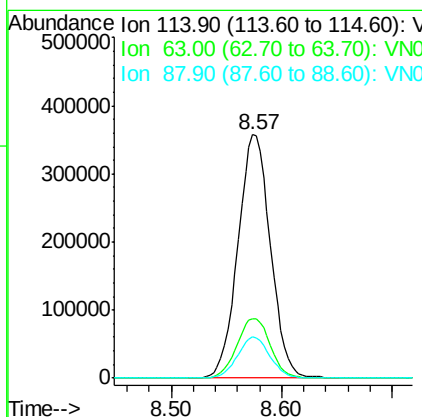
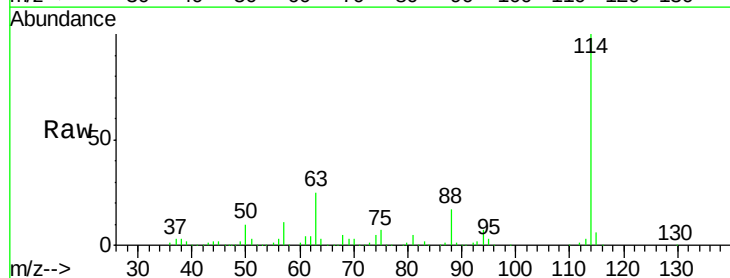
Manual Integrations
 APPROVED

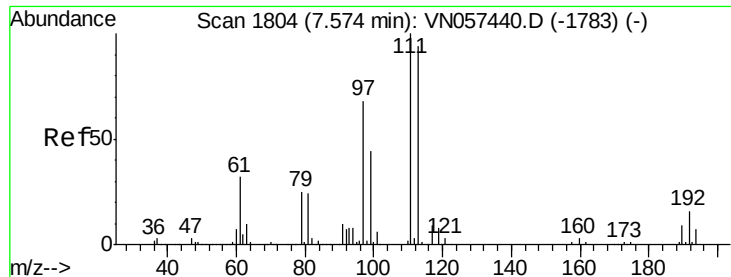
MMDadoda
 8/23/2019 2:40:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728352		
63	24.6	0.0	50.2	
88	16.7	0.0	34.6	





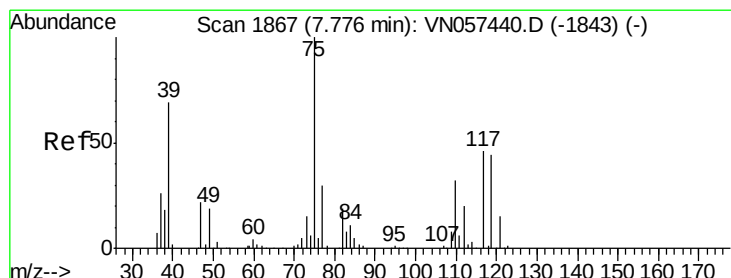
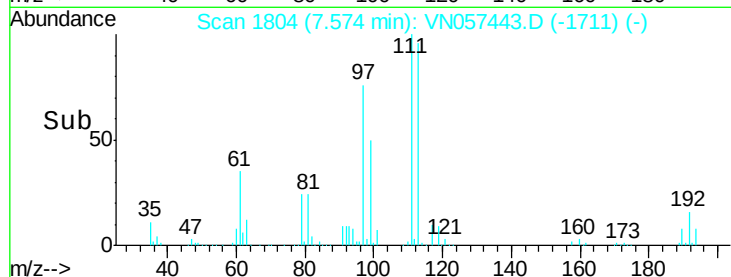
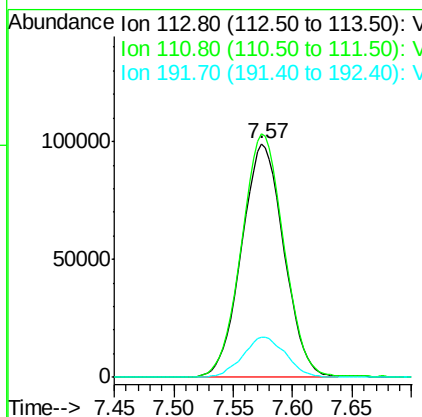
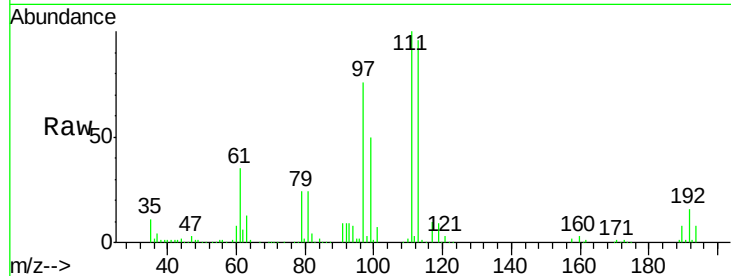
#35
 Dibromofluoromethane
 Concen: 49.649 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244259		
111	104.2	83.8	125.6	
192	17.5	13.5	20.3	

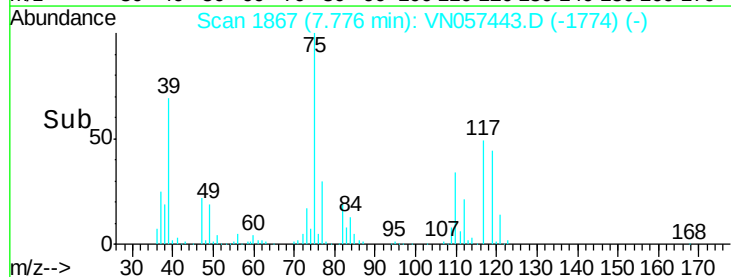
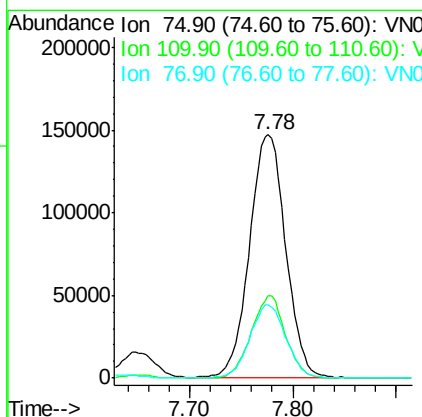
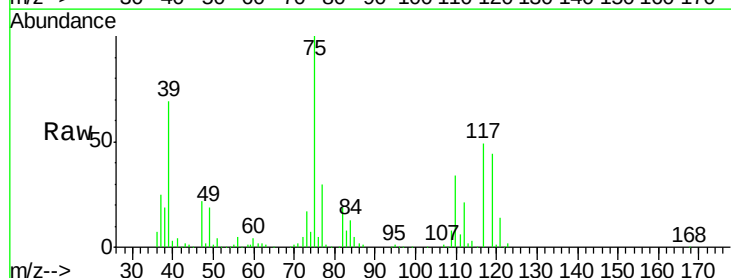
Manual Integrations
 APPROVED

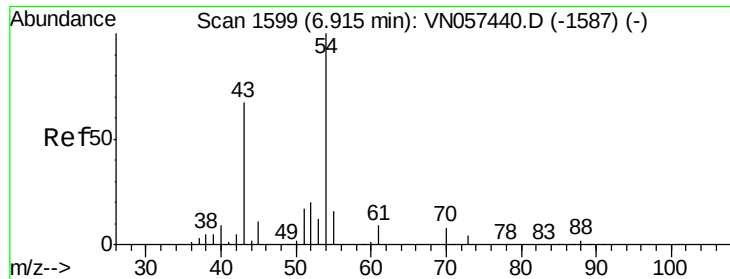
MMDadoda
 8/23/2019 2:40:20 PM



#36
 1,1-Dichloropropene
 Concen: 48.063 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	357701		
110	32.1	16.1	48.3	
77	30.4	24.8	37.2	





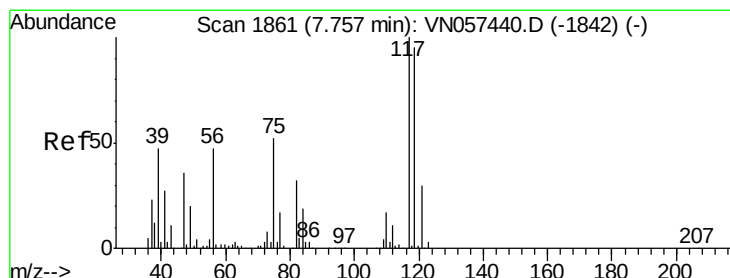
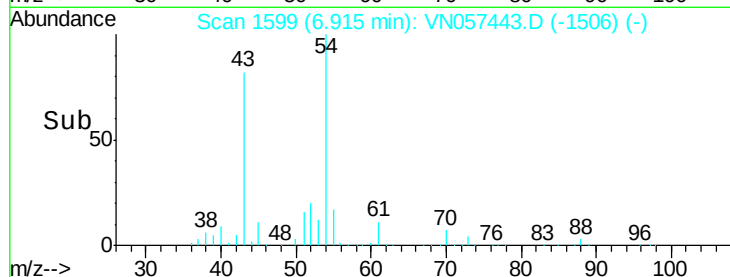
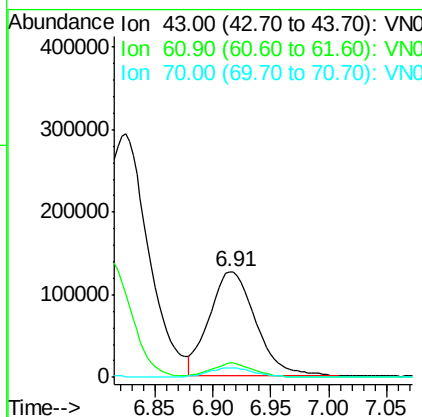
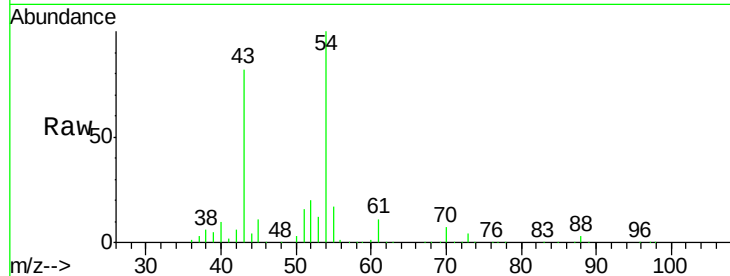
#37
Ethyl Acetate
Concen: 47.809 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
43	100	351590		
61	12.9		9.9	14.9
70	9.1		7.0	10.6

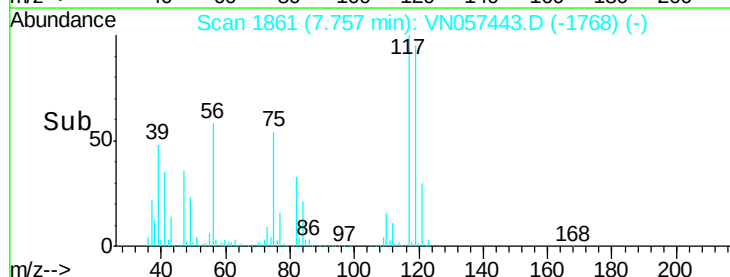
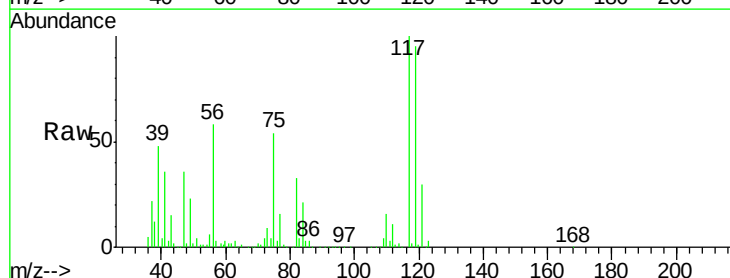
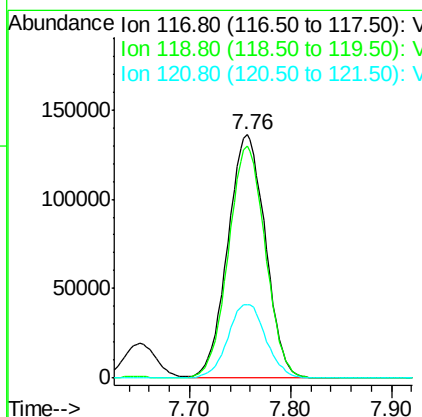
Manual Integrations
APPROVED

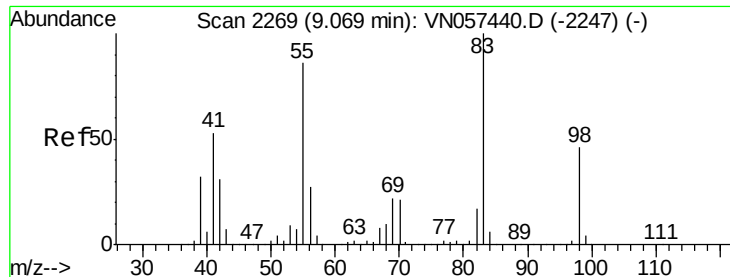
MMDadoda
8/23/2019 2:40:20 PM



#38
Carbon Tetrachloride
Concen: 47.651 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	352309		
119	95.3		76.2	114.4
121	30.3		23.8	35.6





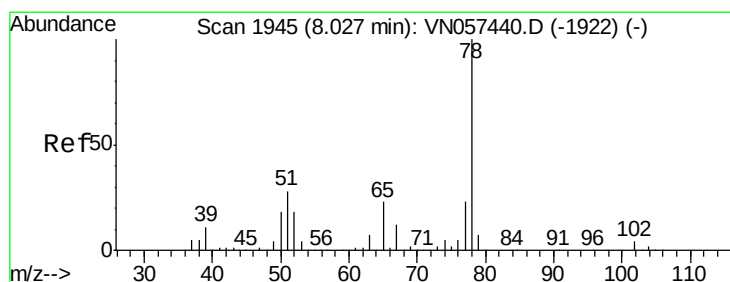
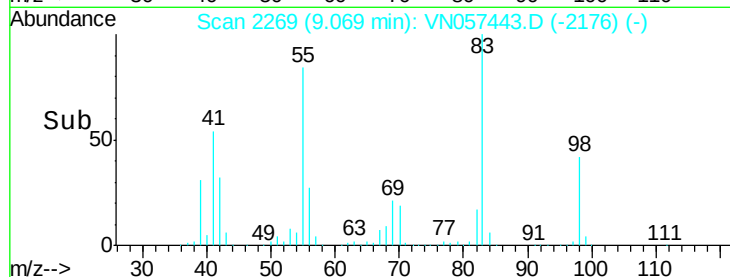
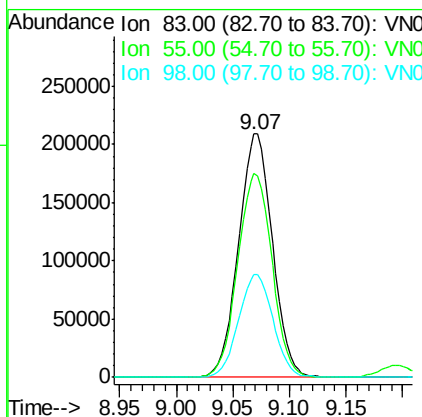
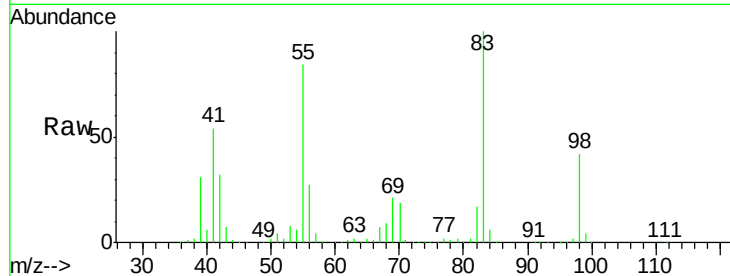
#39
Methylvlcyclohexane
Concen: 49.295 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	68.6	102.8
98	42.0	36.6	54.8

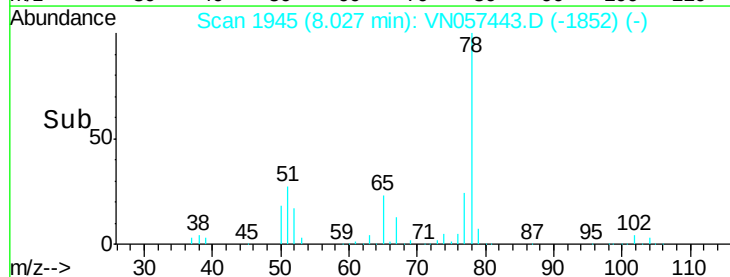
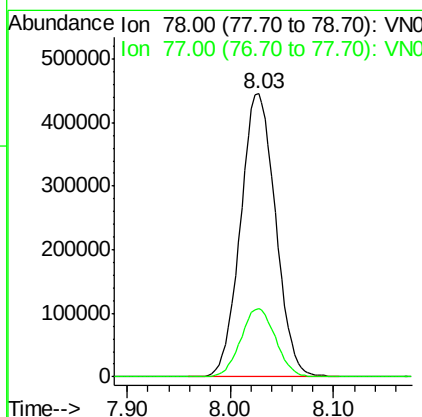
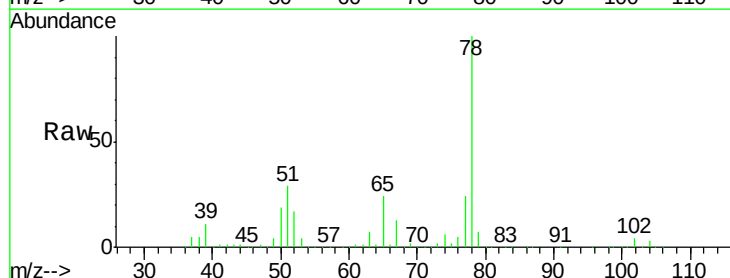
Manual Integrations
APPROVED

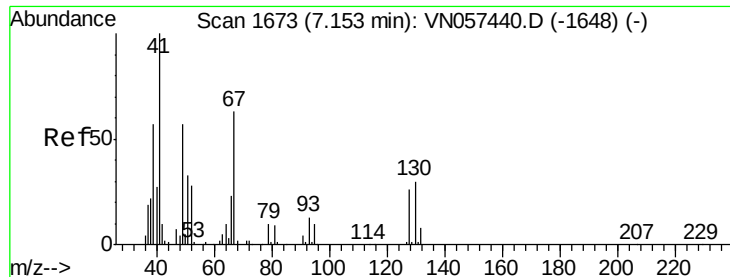
MMDadoda
8/23/2019 2:40:20 PM



#40
Benzene
Concen: 47.049 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7





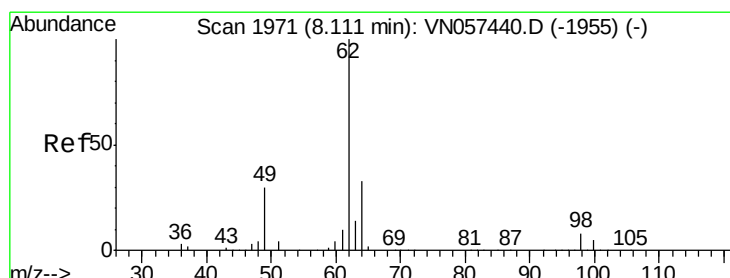
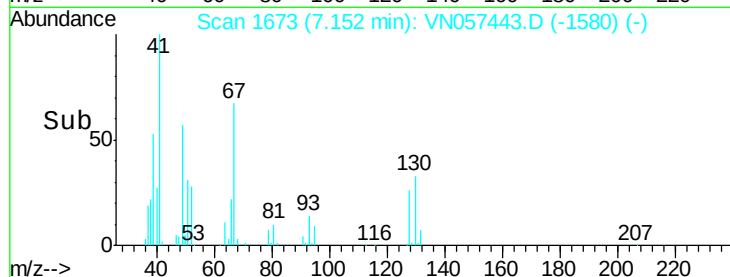
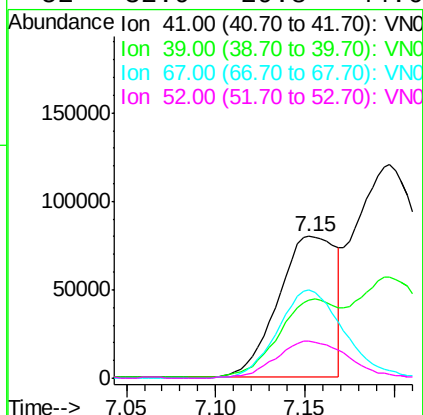
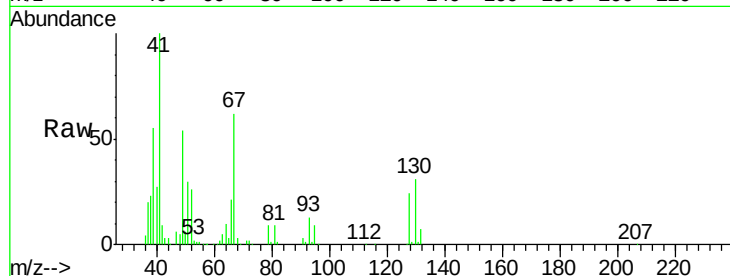
#41
Methacrylonitrile
Concen: 51.034 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	41	Resp	178960
Ion Ratio	Lower	Upper	
41	100		
39	59.0	53.6	80.4
67	71.8	65.4	98.2
52	32.9	29.8	44.6

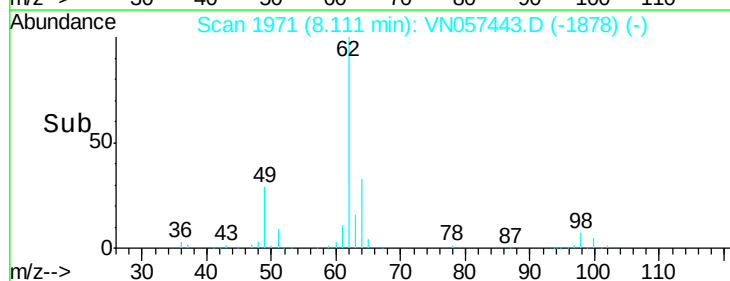
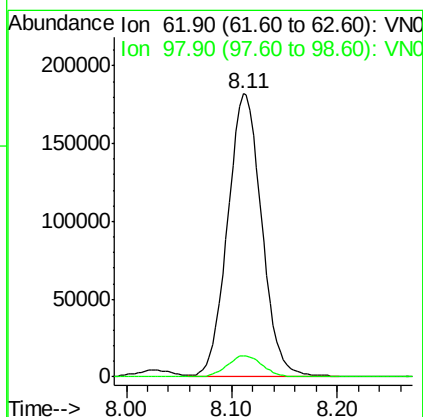
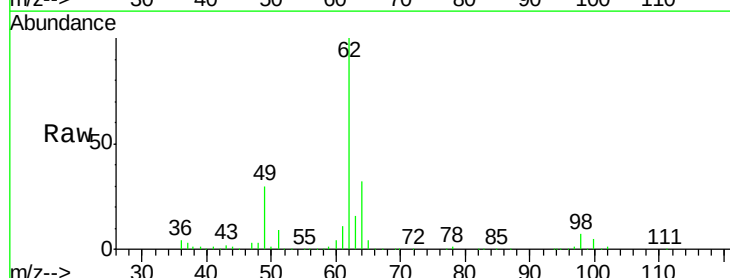
Manual Integrations
APPROVED

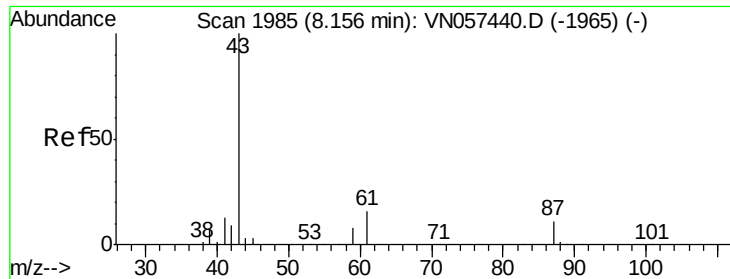
MMDadoda
8/23/2019 2:40:20 PM



#42
1,2-Dichloroethane
Concen: 47.134 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	62	Resp	405386
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 47.598 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

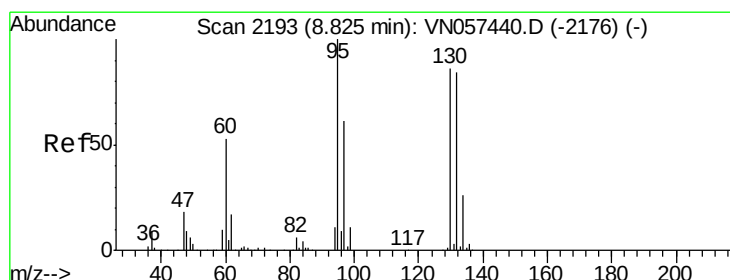
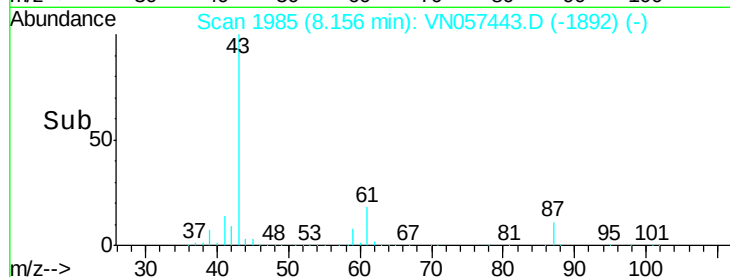
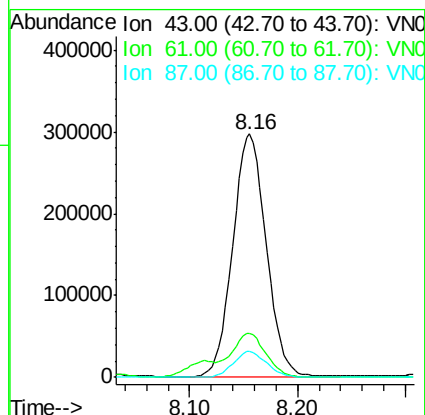
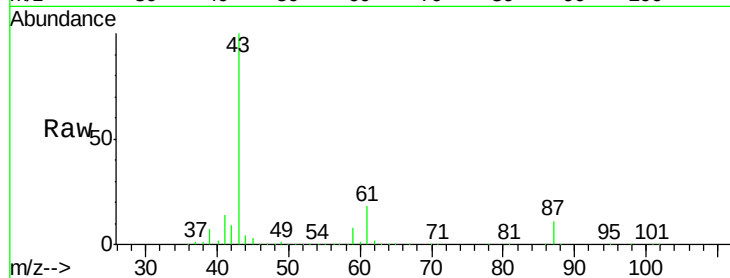
ClientSampleId :

ICVVN082219

Tot Ion:	43	Resp:	641828
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	10.8	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 48.146 ug/l

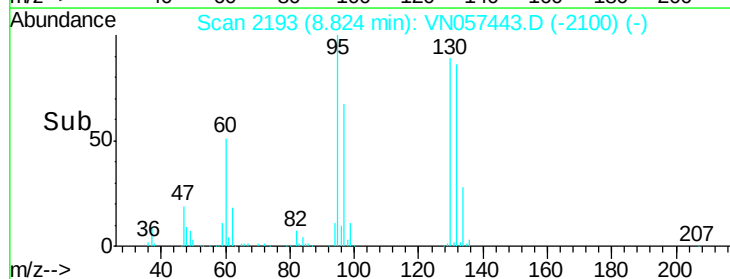
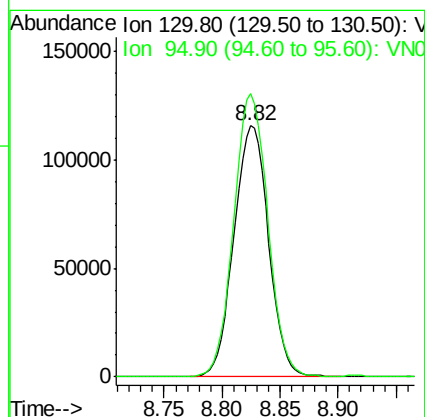
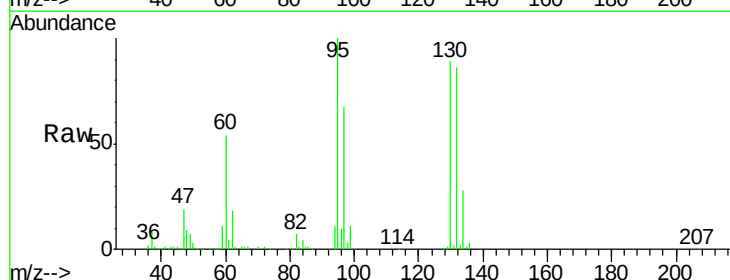
RT: 8.82 min Scan# 2193

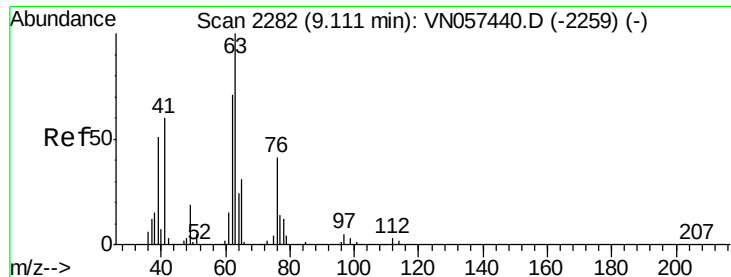
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	130	Resp:	240068
Ion	Ratio	Lower	Upper
130	100		
95	112.6	0.0	231.6





#45

1,2-Dichloropropane

Concen: 47.109 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion: 63 Resp: 296360

Ion Ratio Lower Upper

63 100

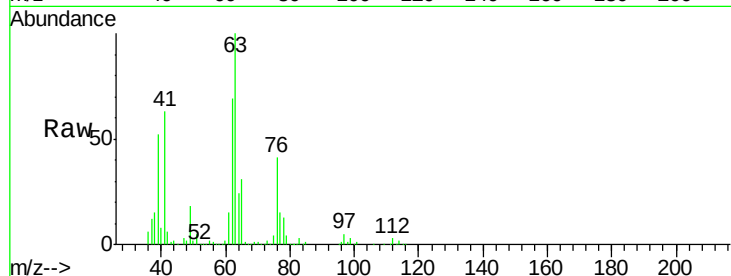
65 30.8 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

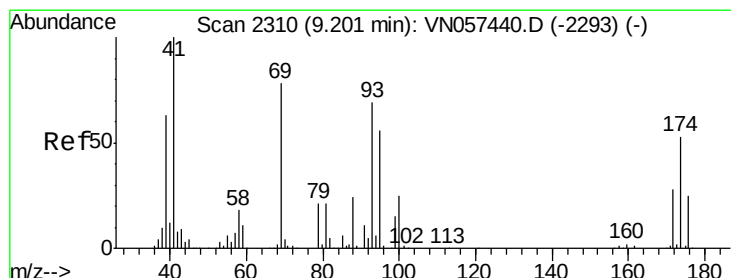
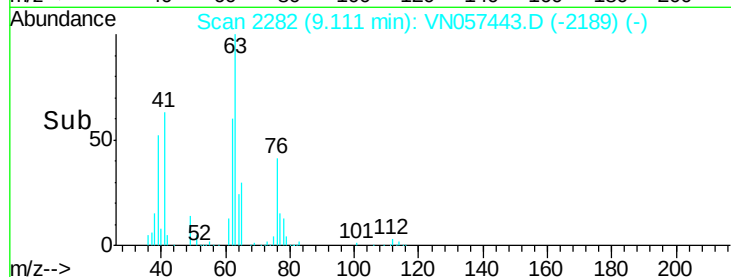
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.306 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

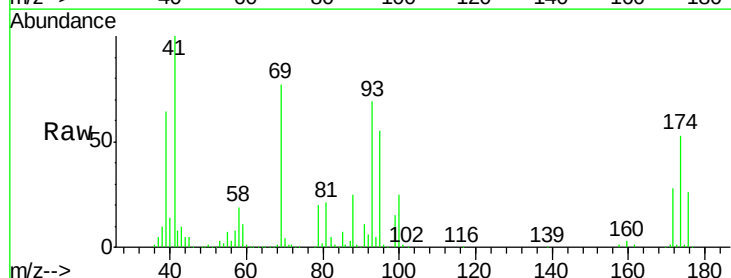
Tgt Ion: 93 Resp: 185424

Ion Ratio Lower Upper

93 100

95 82.5 64.7 97.1

174 79.2 62.3 93.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

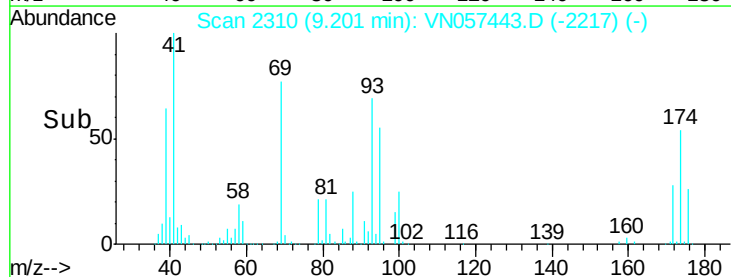
60000

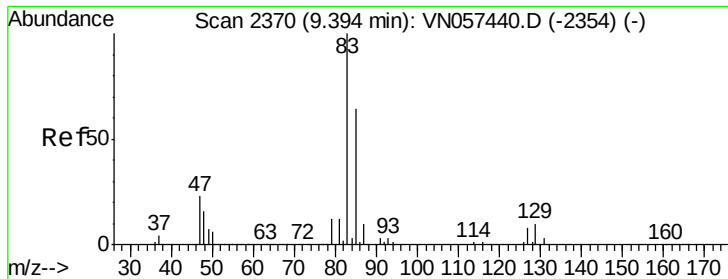
40000

20000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 46.823 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

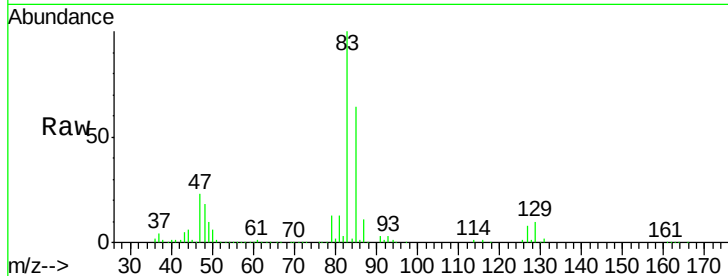
ClientSampleId :

ICVVN082219

Tot Ion:	83	Resp:	388607
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.2	76.8
127	7.9	6.6	10.0

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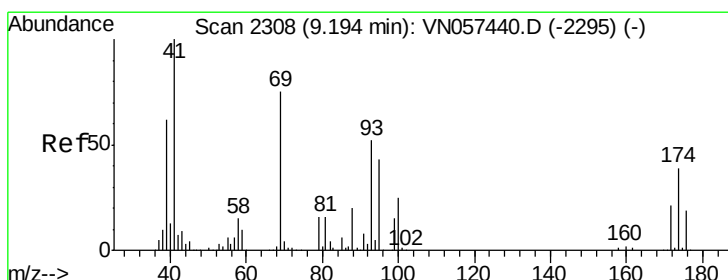
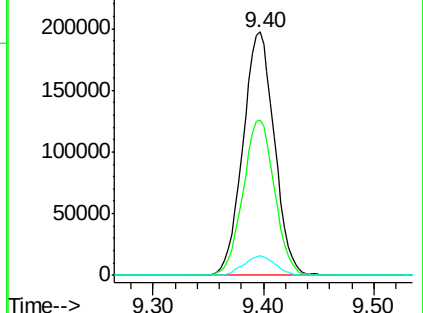
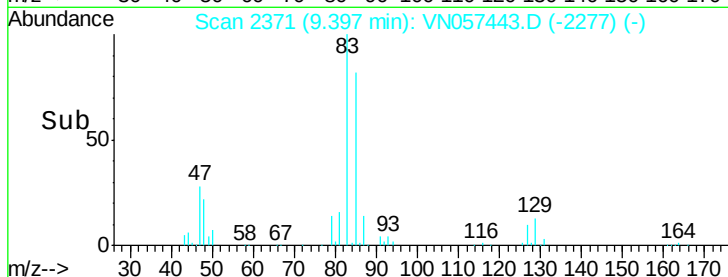
MMDadoda
8/23/2019 2:40:20 PM



Abundance Ion 82.90 (82.60 to 83.60): VN057443.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN057443.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN057443.D (-2277) (-)



#48

Methyl methacrylate

Concen: 47.162 ug/l

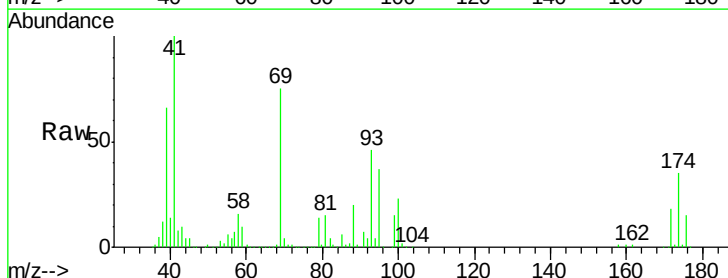
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

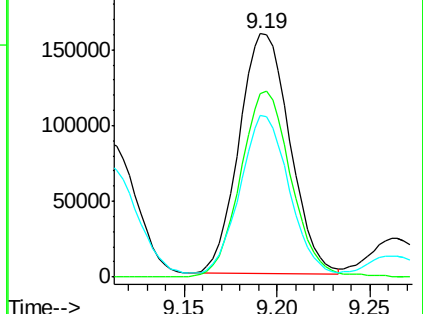
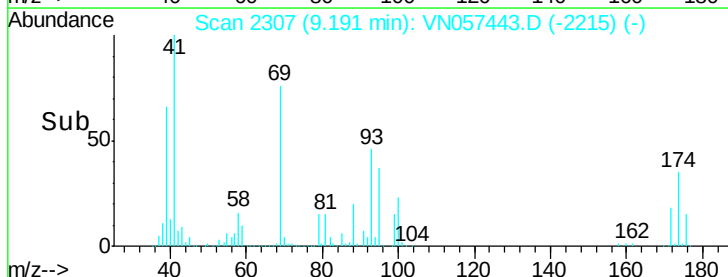
Tgt Ion:	41	Resp:	302409
Ion Ratio	Lower	Upper	
41	100		
69	77.2	59.3	88.9
39	65.3	50.6	75.8

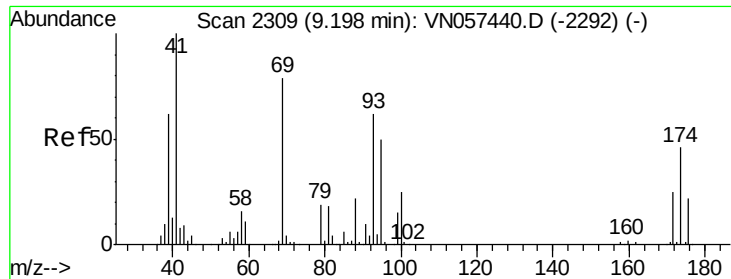


Abundance Ion 41.00 (40.70 to 41.70): VN057443.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057443.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057443.D (-2215) (-)





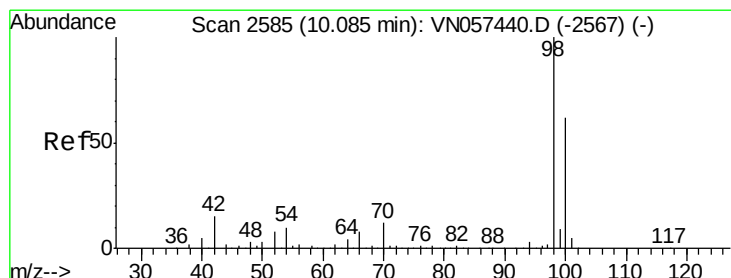
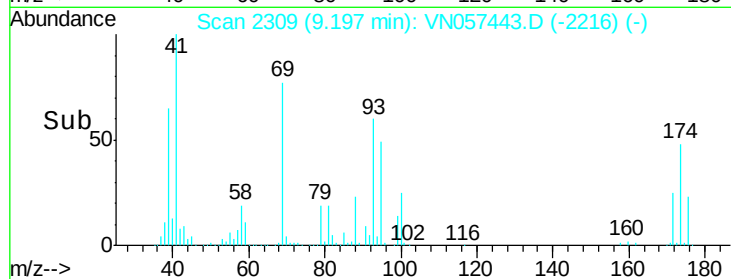
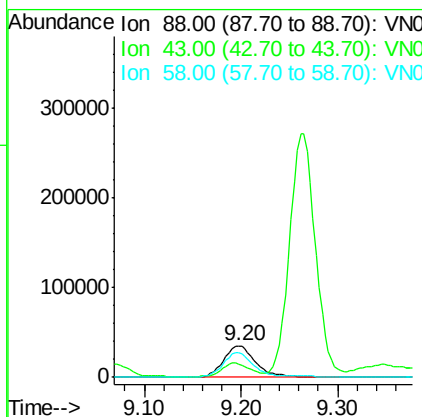
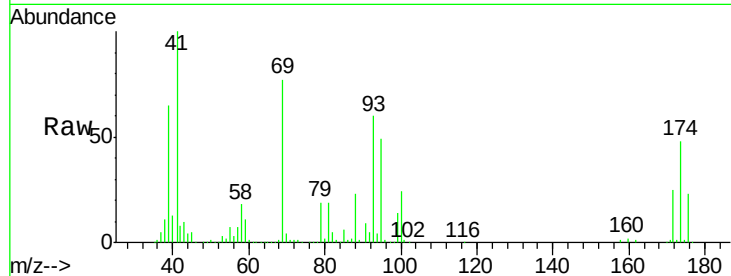
#49
 1,4-Dioxane
 Concen: 980.608 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
88	100	81310		
43	36.9	31.0	46.6	
58	77.2	64.5	96.7	

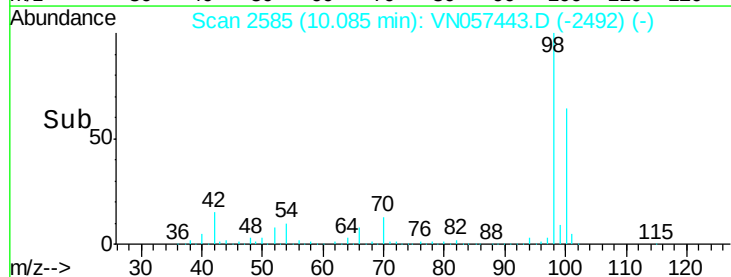
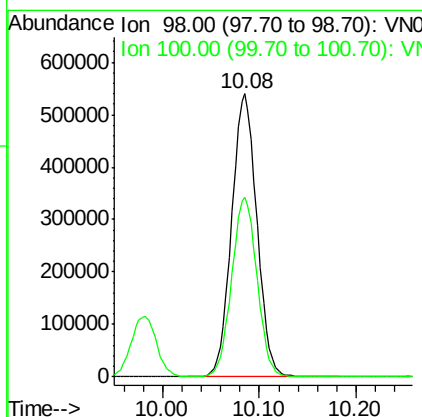
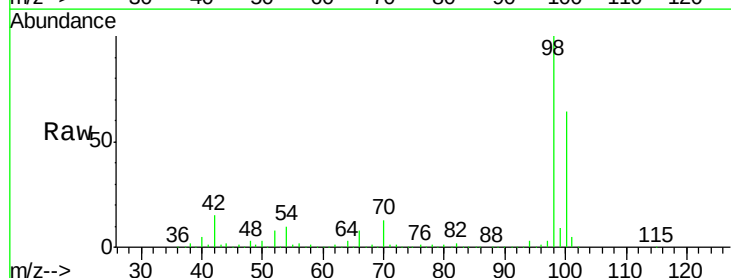
Manual Integrations
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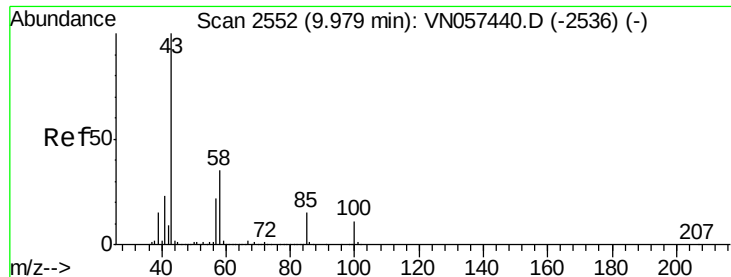
MMDadoda
 8/23/2019 2:40:20 PM



#50
 Toluene-d8
 Concen: 52.568 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	977899		
100	63.3	50.4	75.6	





#51

4-Methyl-2-Pentanone

Concen: 242.308 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN082219

Tot Ion: 43 Resp: 1820967

Ion Ratio Lower Upper

43 100

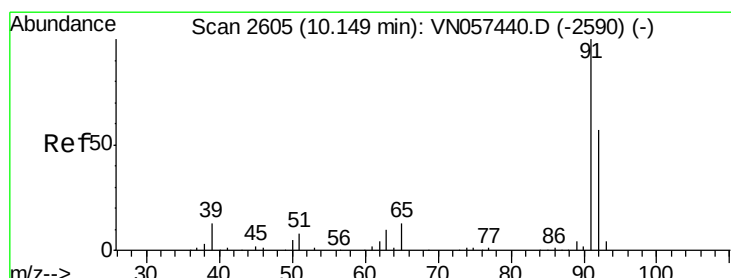
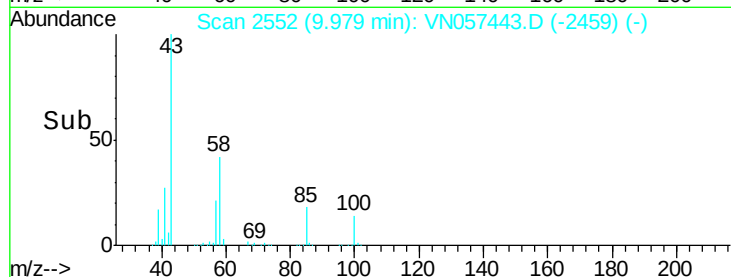
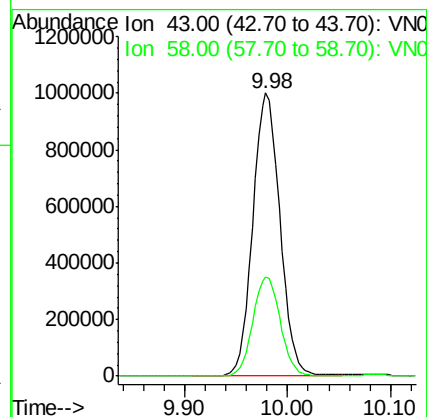
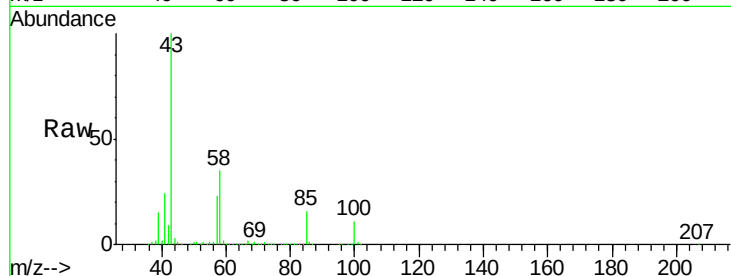
58 35.4 27.9 41.9

Manual Integrations

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8/23/2019 2:40:20 PM



#52

Toluene

Concen: 50.323 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057443.D

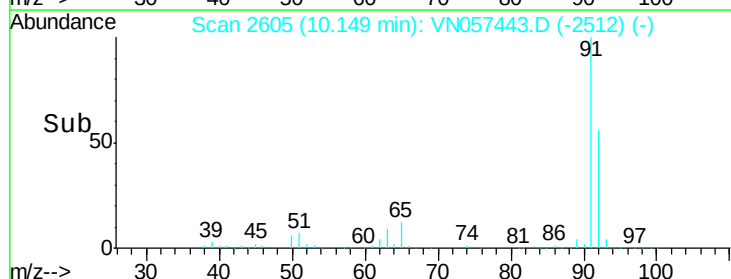
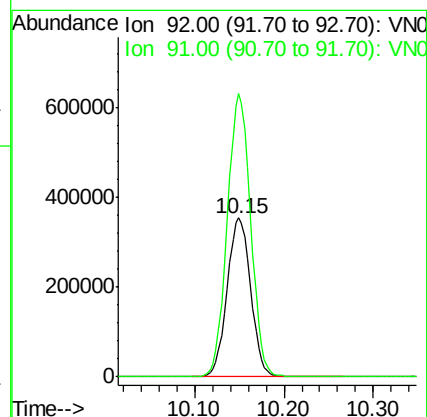
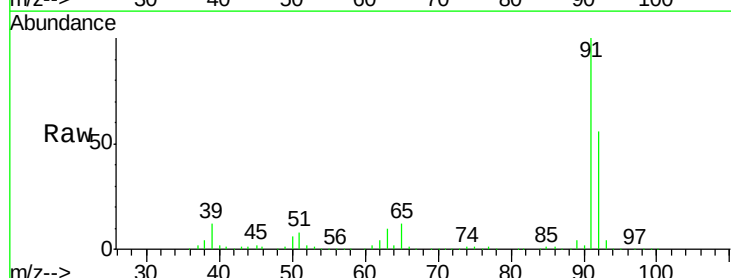
Acq: 22 Aug 2019 19:34

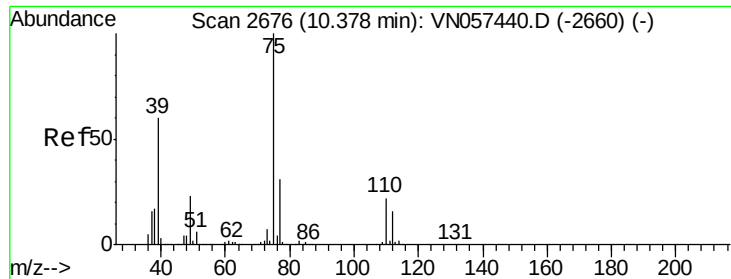
Tgt Ion: 92 Resp: 647882

Ion Ratio Lower Upper

92 100

91 176.5 140.9 211.3





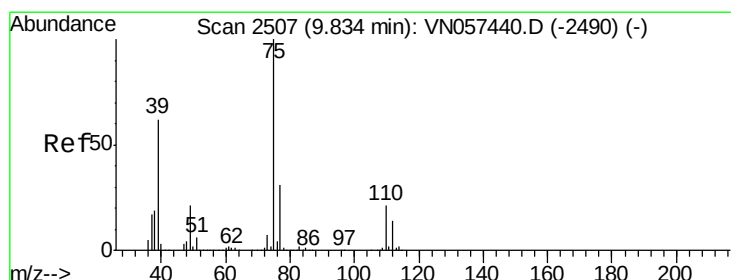
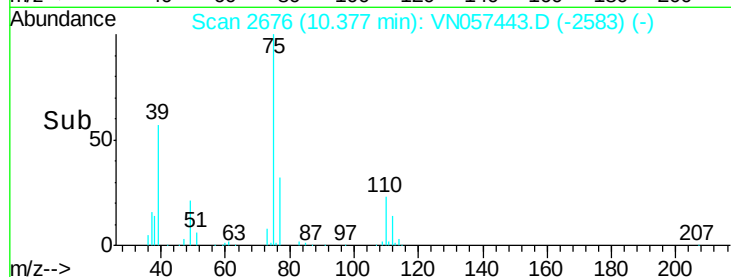
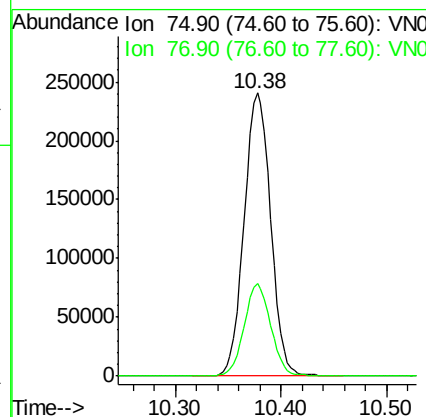
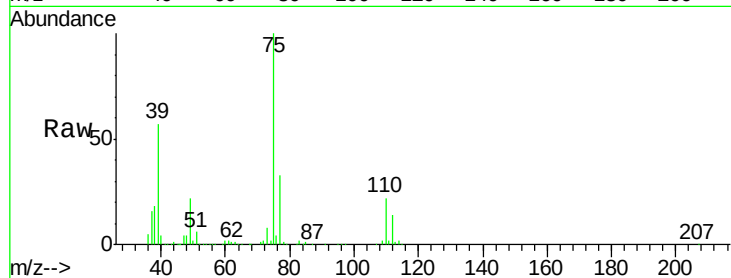
#53
t-1,3-Dichloropropene
Concen: 48.378 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion: 75 Resp: 420572
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6

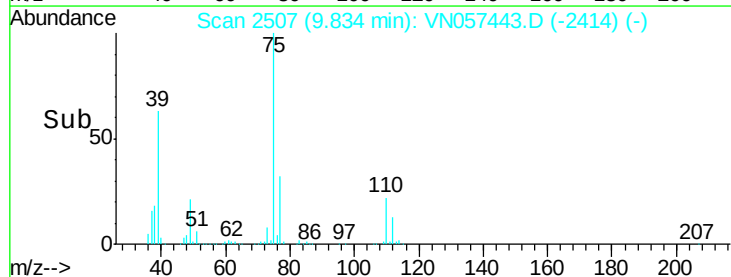
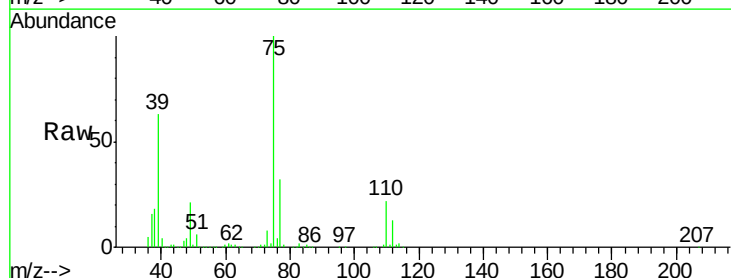
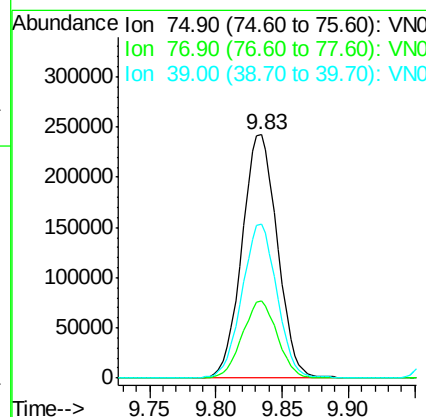
Manual Integrations
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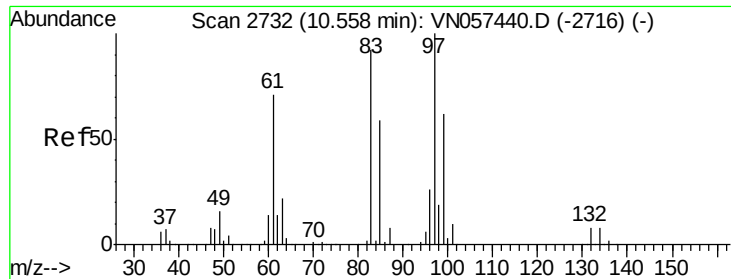
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.497 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 75 Resp: 450060
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 63.3 49.2 73.8





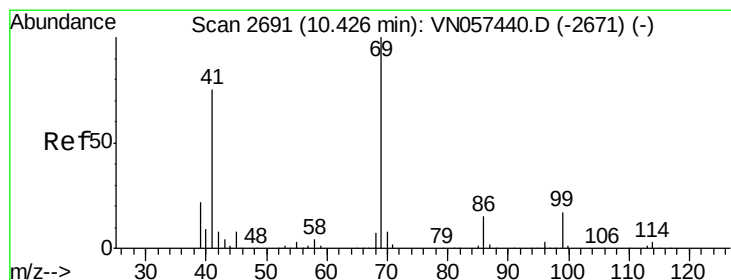
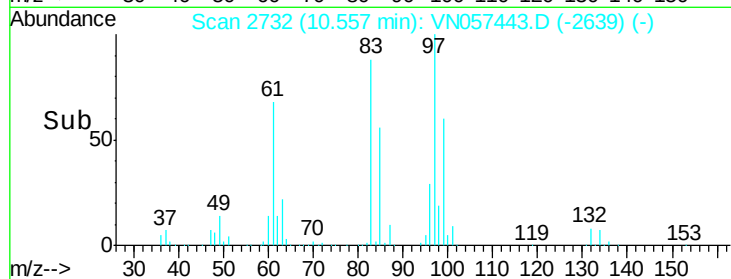
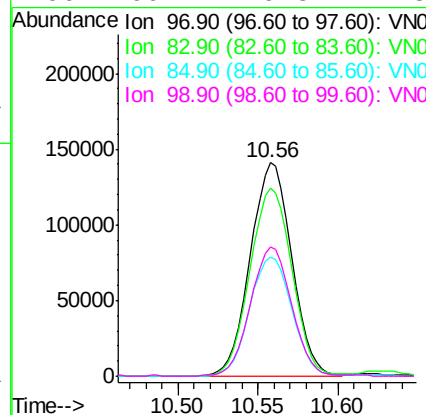
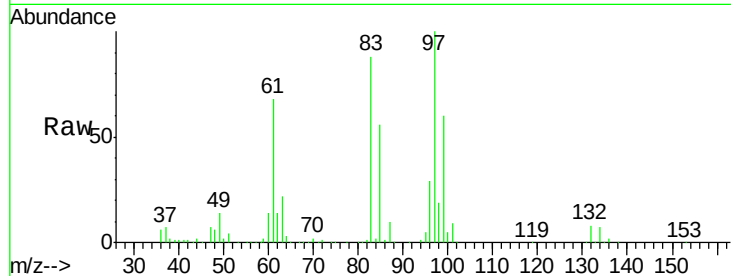
#55
 1,1,2-Trichloroethane
 Concen: 47.874 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion:	97	Resp:	249247
Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.7	110.5
85	56.0	46.8	70.2
99	60.4	49.8	74.8

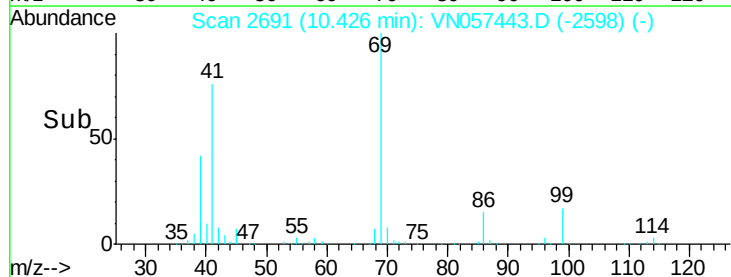
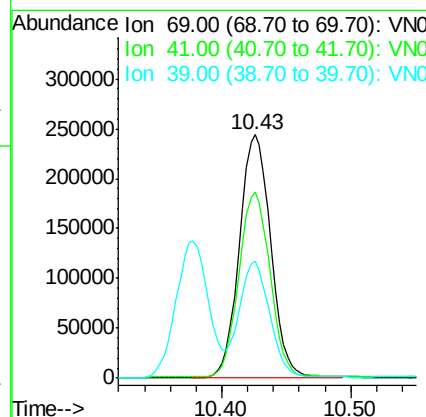
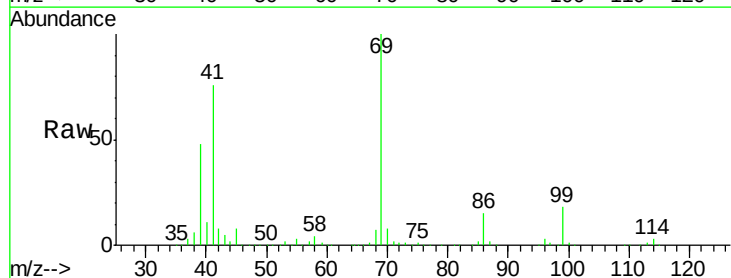
Manual Integrations
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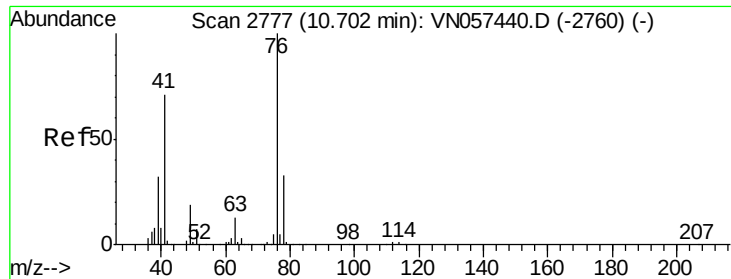
MMDadoda
 8/23/2019 2:40:20 PM



#56
 Ethyl methacrylate
 Concen: 50.532 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion:	69	Resp:	413861
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	46.2	36.5	54.7





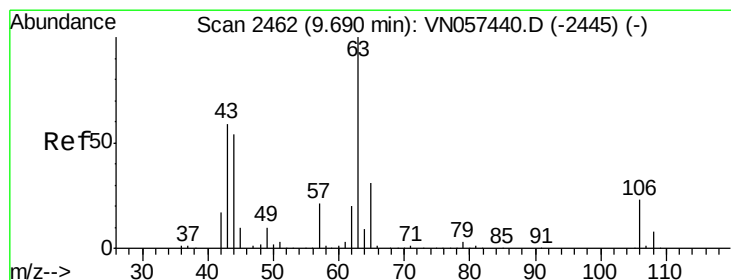
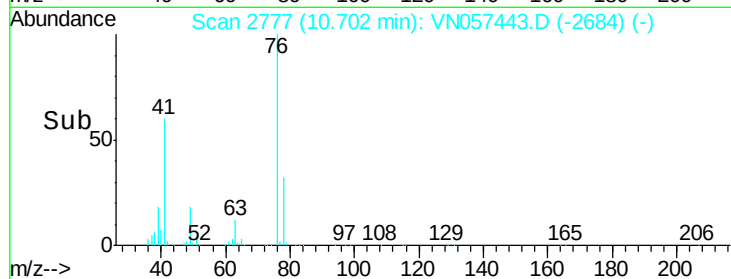
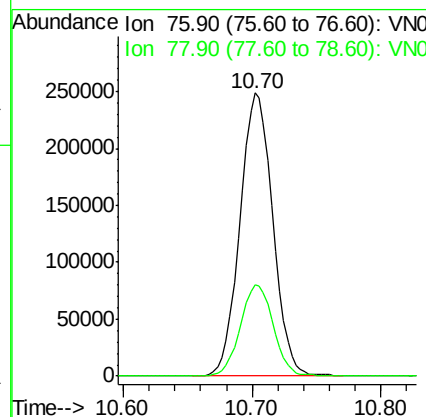
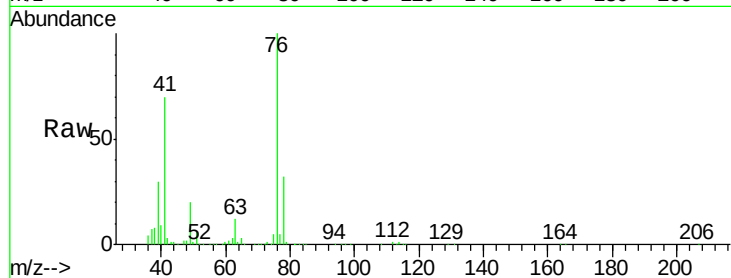
#57
 1,3-Dichloropropane
 Concen: 48.544 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

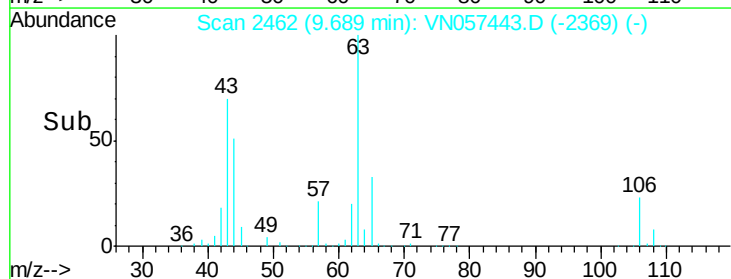
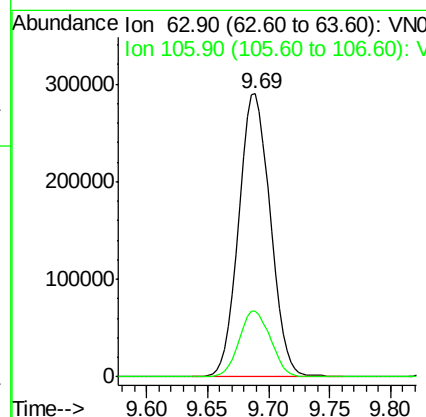
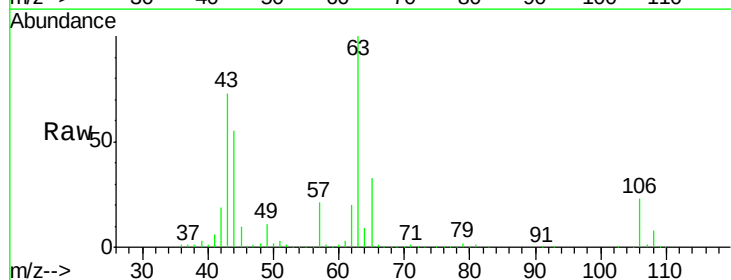
Manual Integrations
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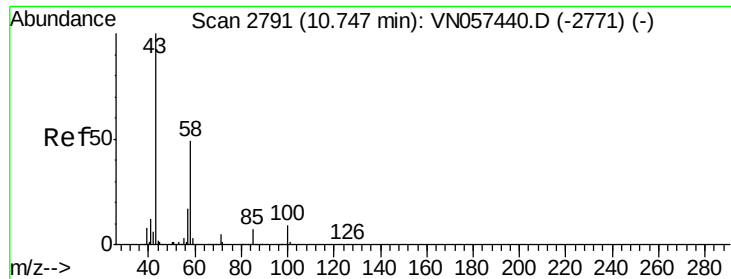
MMDadoda
 8/23/2019 2:40:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.285 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.2	18.6	27.8





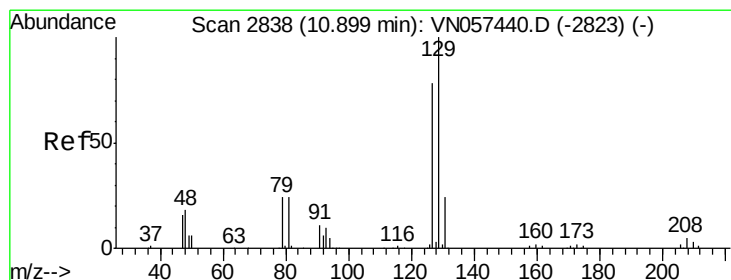
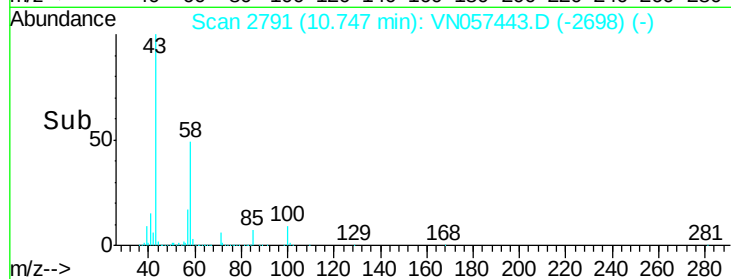
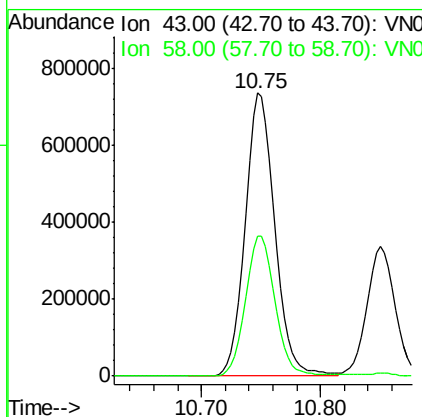
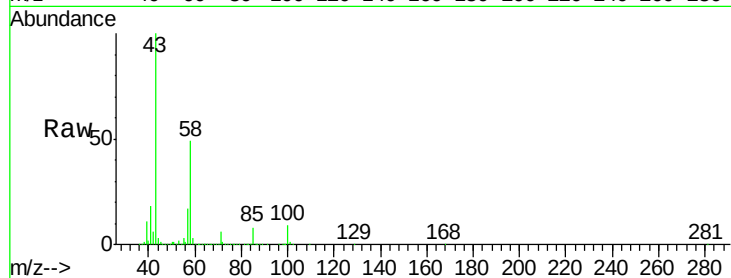
#59
2-Hexanone
Concen: 245.551 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion: 43 Resp: 1265688
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6

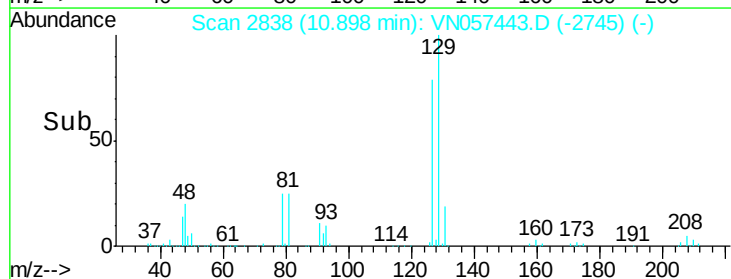
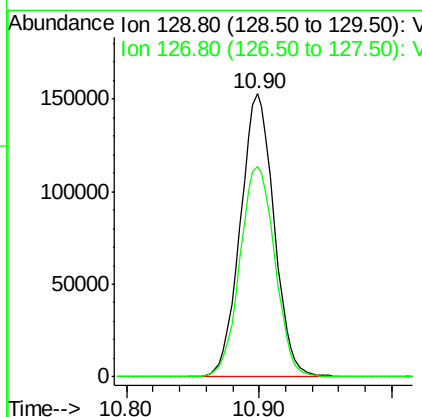
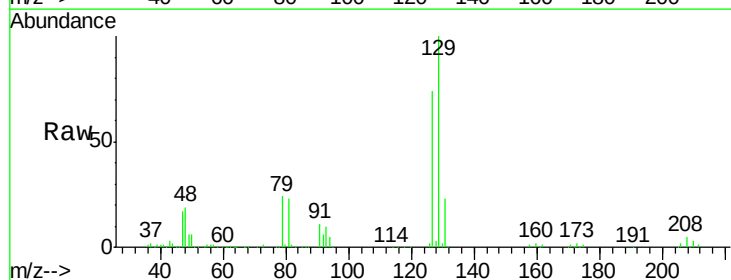
Manual Integrations
APPROVED

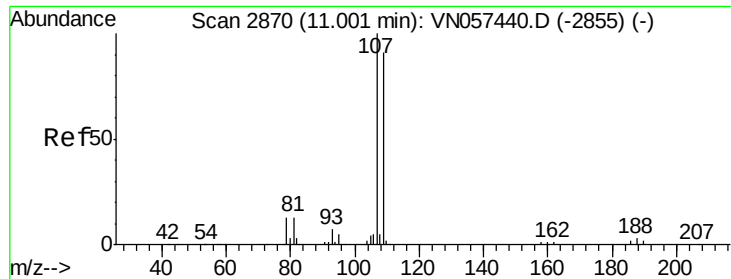
MMDadoda
8/23/2019 2:40:20 PM



#60
Dibromochloromethane
Concen: 49.087 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 129 Resp: 270080
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.370 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion:107 Resp: 252105

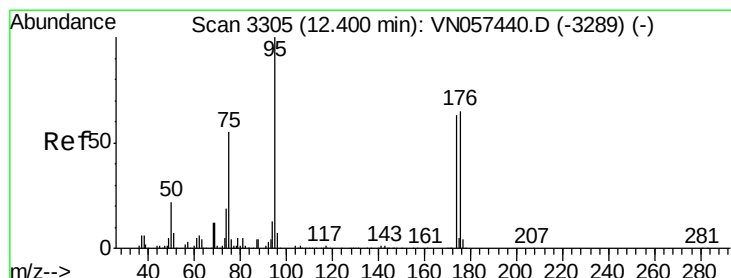
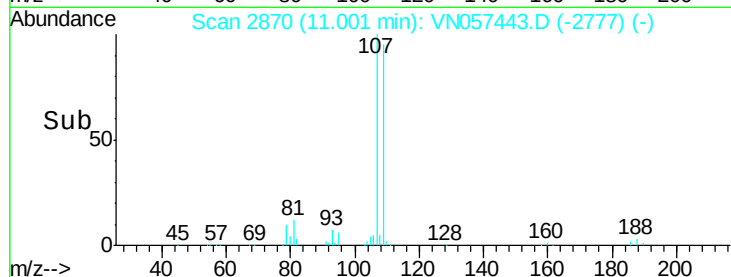
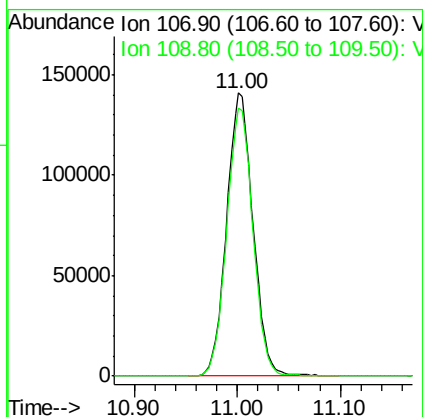
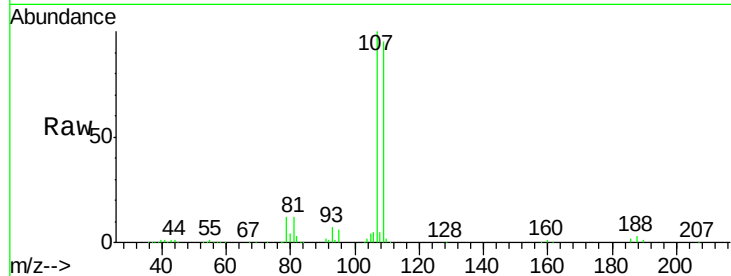
Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:20 PM



#62

4-Bromofluorobenzene

Concen: 53.436 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

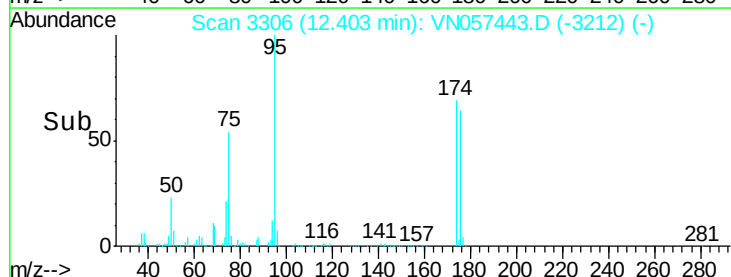
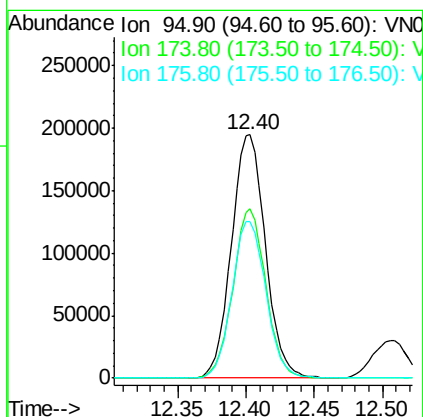
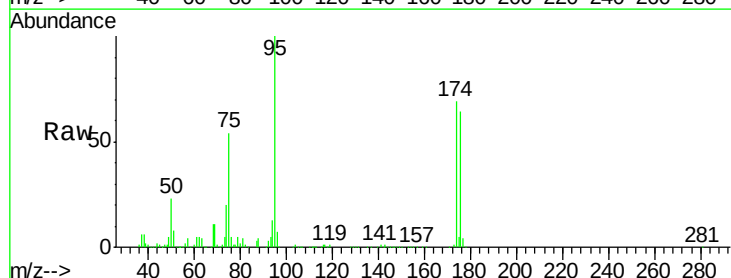
Tgt Ion: 95 Resp: 336866

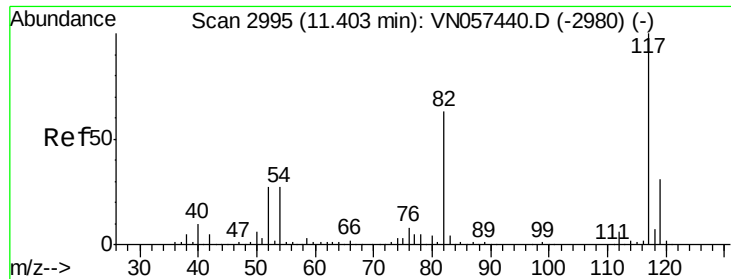
Ion Ratio Lower Upper

95 100

174 67.2 0.0 133.0

176 64.4 0.0 130.8





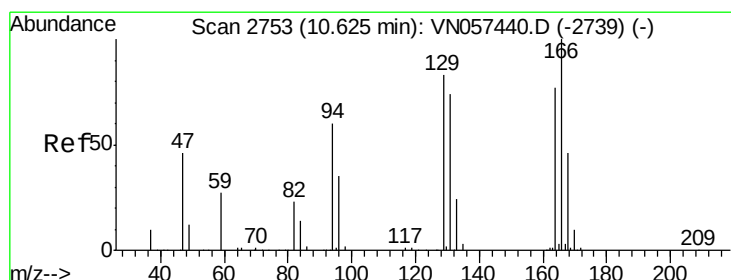
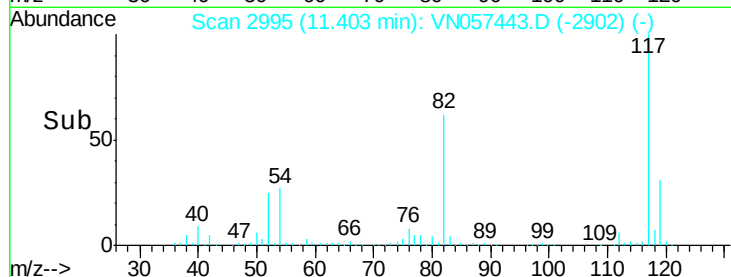
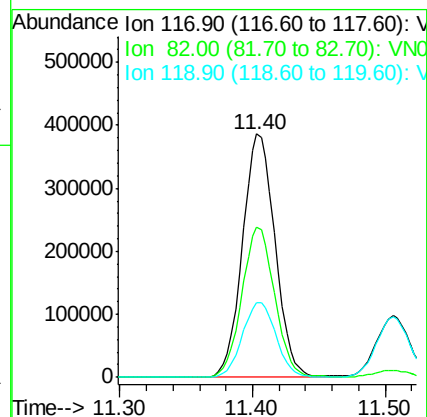
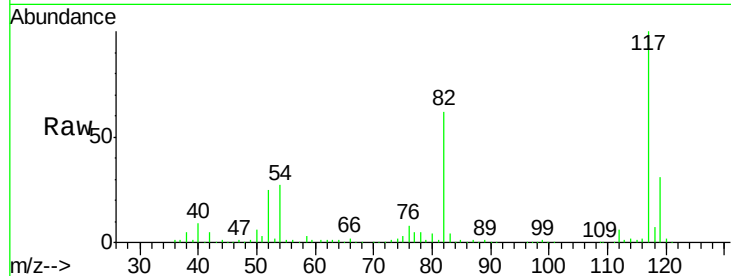
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	50.6	75.8
119	30.7	24.6	36.8

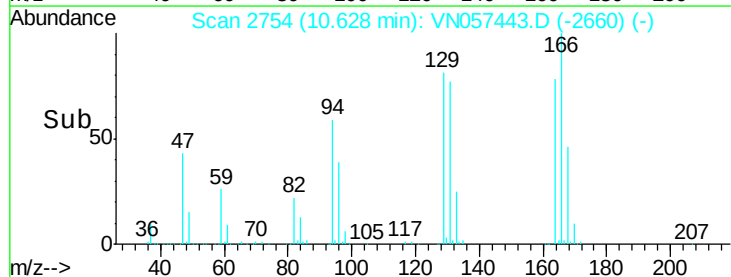
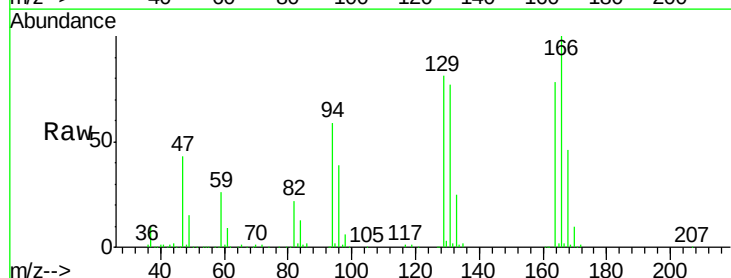
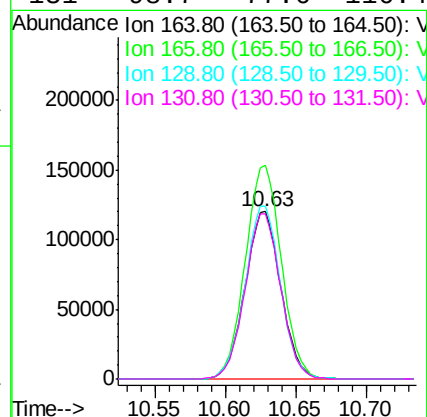
Manual Integrations
APPROVED

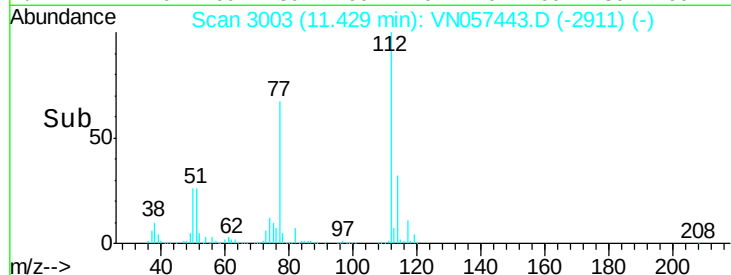
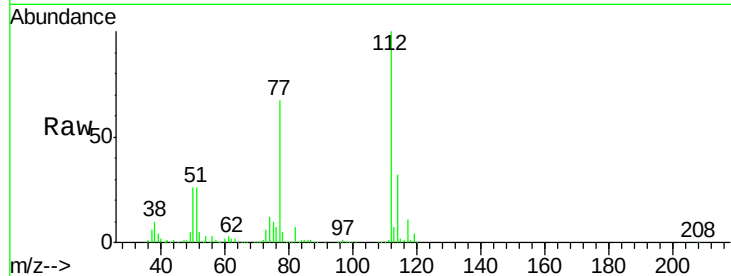
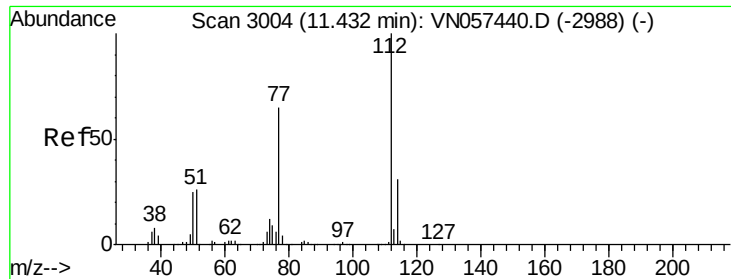
MMDadoda
8/23/2019 2:40:20 PM



#64
Tetrachloroethene
Concen: 46.370 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.4	156.6
129	102.9	86.6	130.0
131	98.7	77.6	116.4





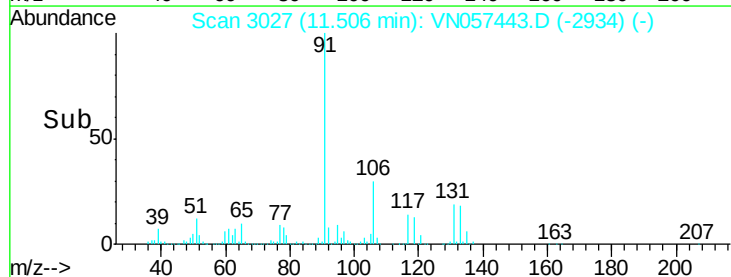
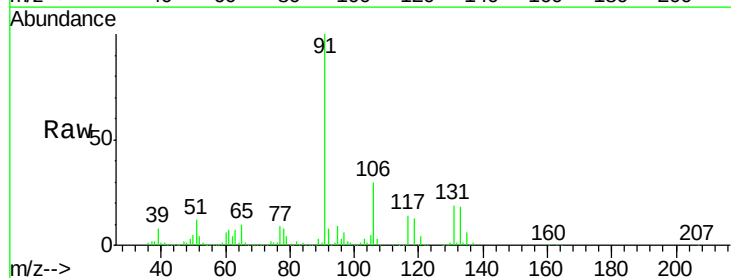
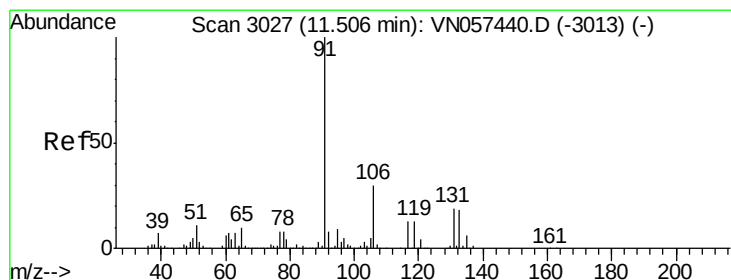
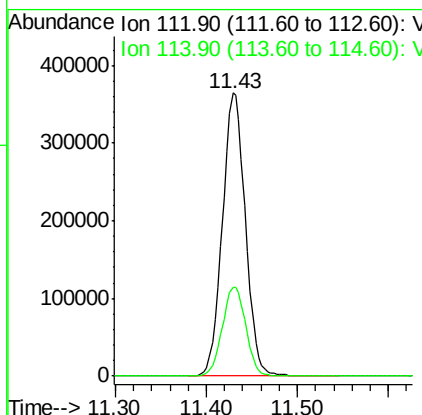
#65
Chlorobenzene
Concen: 47.795 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tot Ion:112 Resp: 639135
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

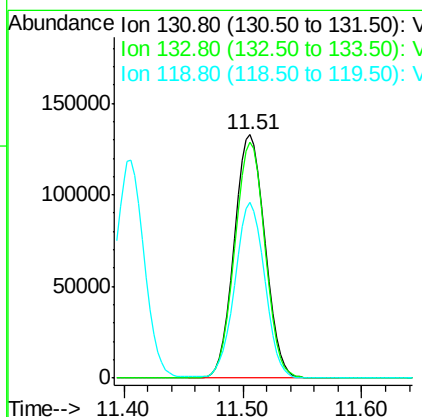
Manual Integrations
APPROVED

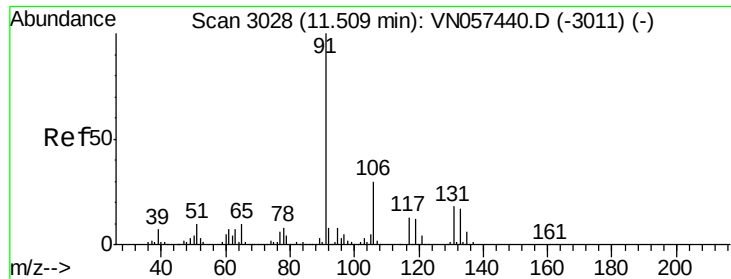
MMDadoda
8/23/2019 2:40:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.471 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion:131 Resp: 238323
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 70.2 34.4 103.2





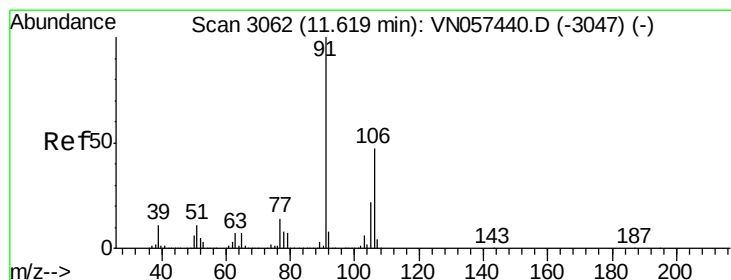
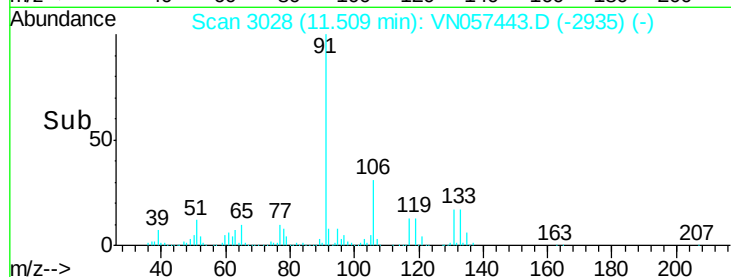
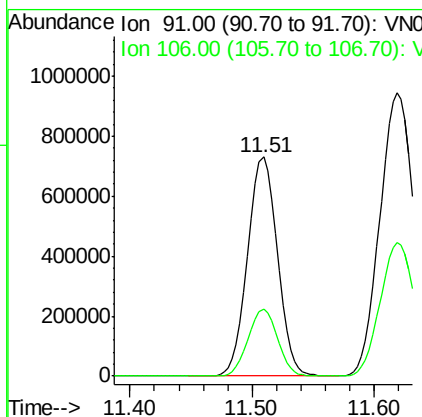
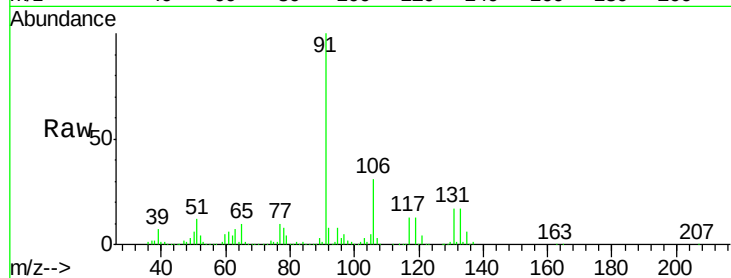
#67
Ethyl Benzene
Concen: 47.530 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampled :
ICVVN082219

Tot Ion: 91 Resp: 1230234
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1

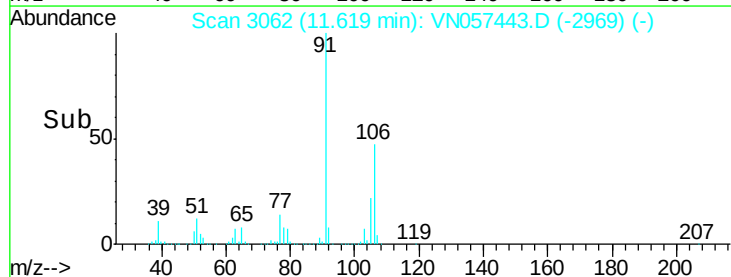
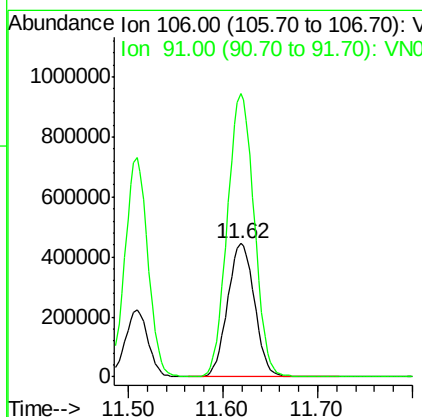
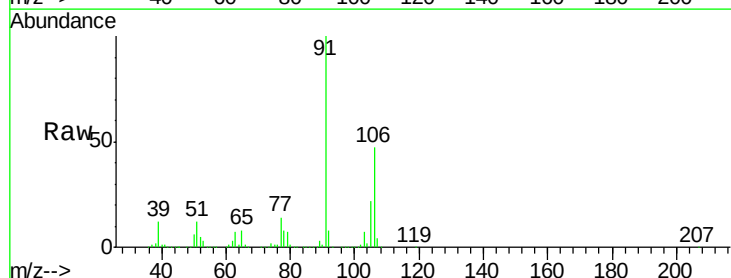
Manual Integrations
APPROVED

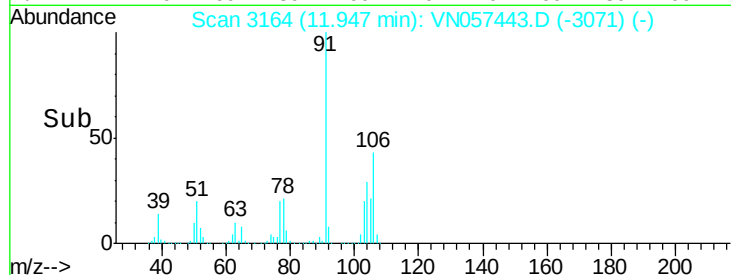
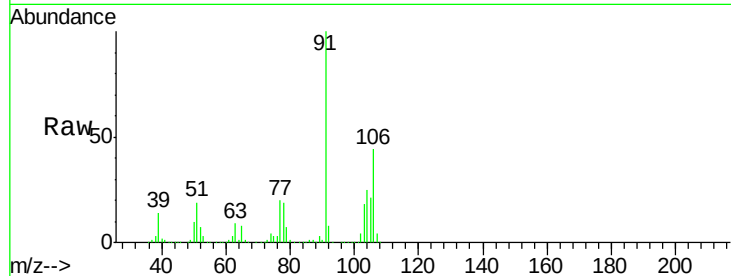
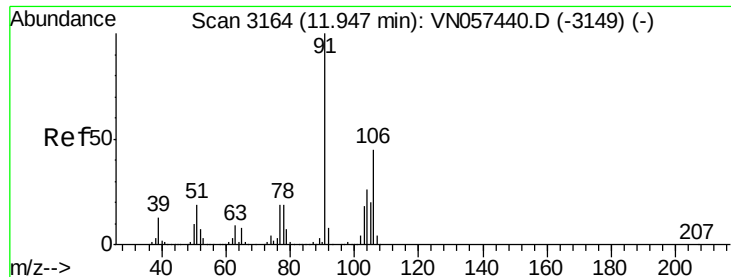
MMDadoda
8/23/2019 2:40:20 PM



#68
m/p-Xylenes
Concen: 100.114 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 106 Resp: 881244
Ion Ratio Lower Upper
106 100
91 210.7 171.8 257.6





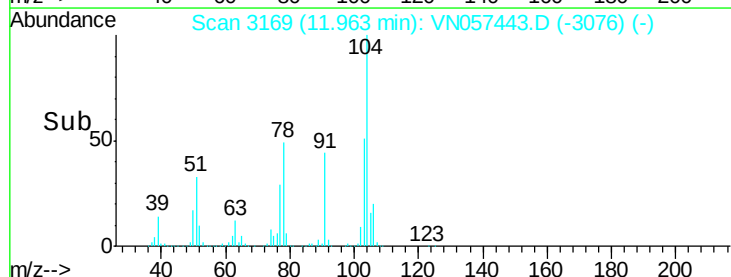
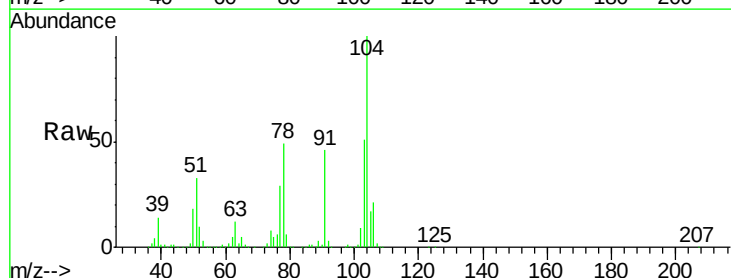
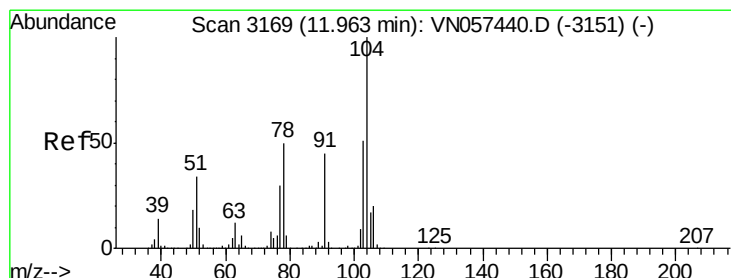
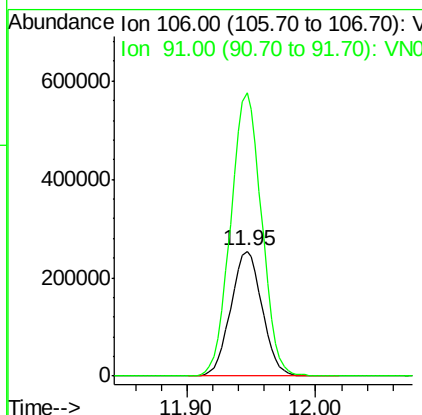
#69
o-Xylene
Concen: 49.097 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	428120		
91	91	224.3	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

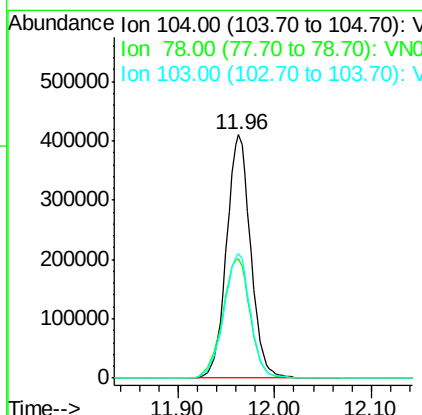
Manual Integrations
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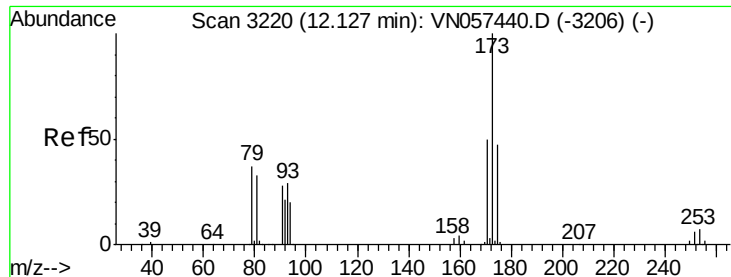
MMDadoda
8/23/2019 2:40:20 PM



#70
Styrene
Concen: 51.273 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	707948		
78	78	56.0	44.7	67.1	
103	103	56.2	44.4	66.6	





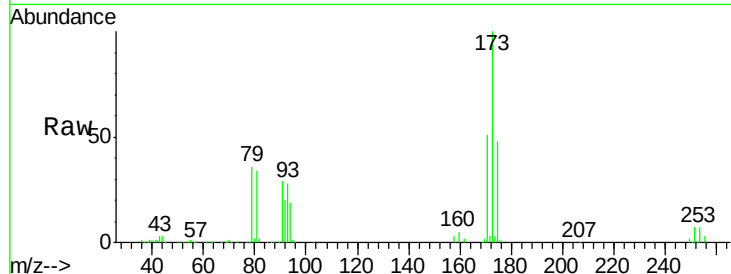
#71
Bromoform
Concen: 47.318 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
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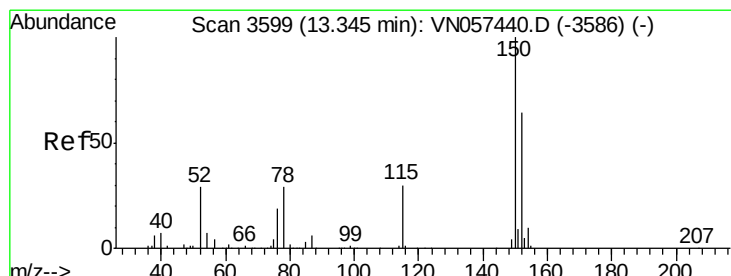
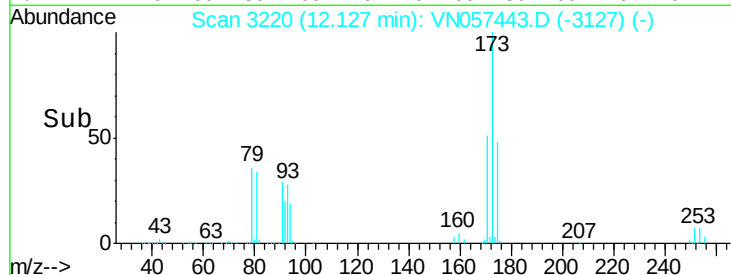
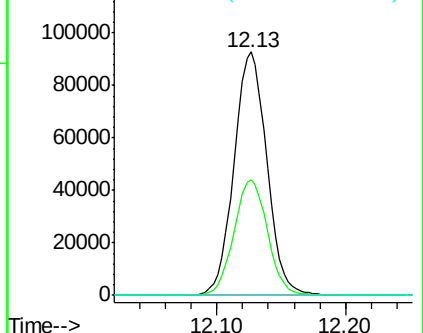


Abundance

Ion 172.70 (172.40 to 173.40): V

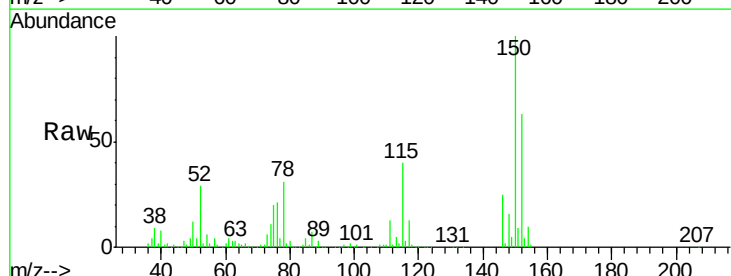
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.0	96.0
150	170.5	0.0	346.6

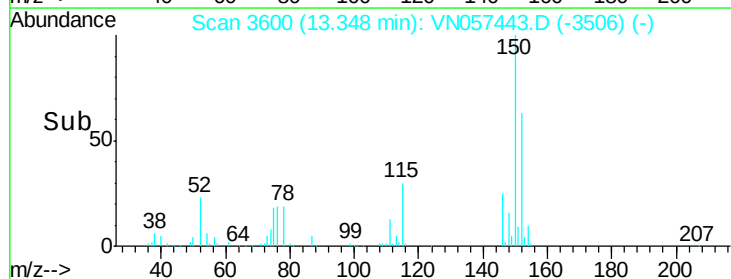
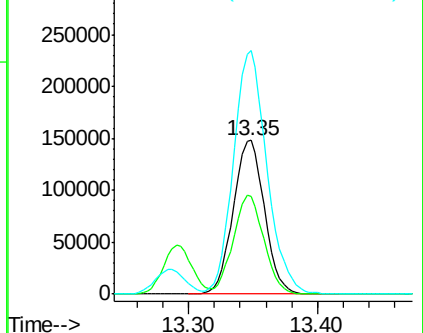


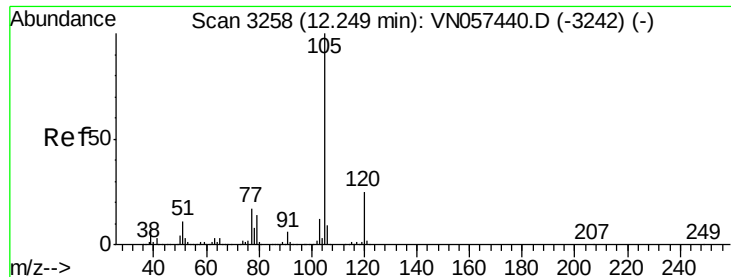
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.617 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion:105 Resp: 1152670

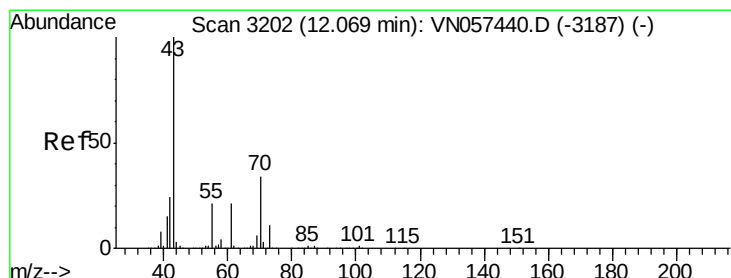
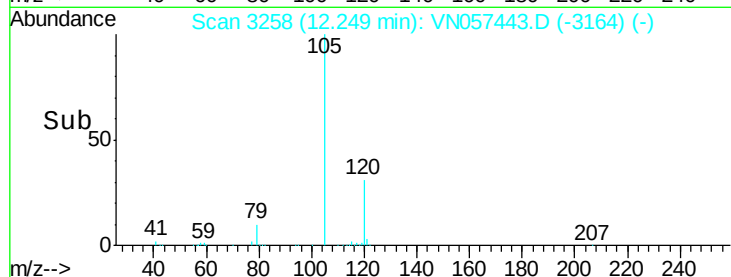
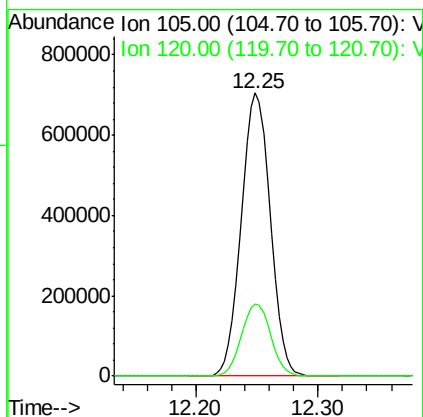
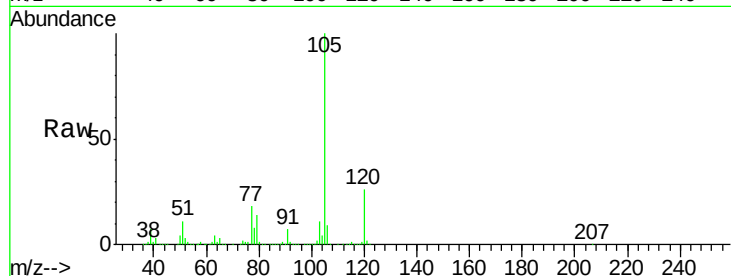
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

Manual Integrations
APPROVED

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8/23/2019 2:40:20 PM



#74

N-ethyl acetate

Concen: 53.079 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion: 43 Resp: 547475

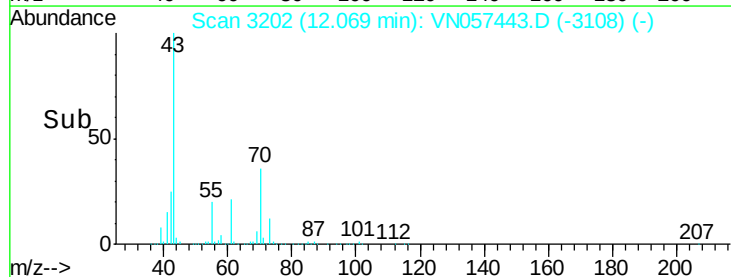
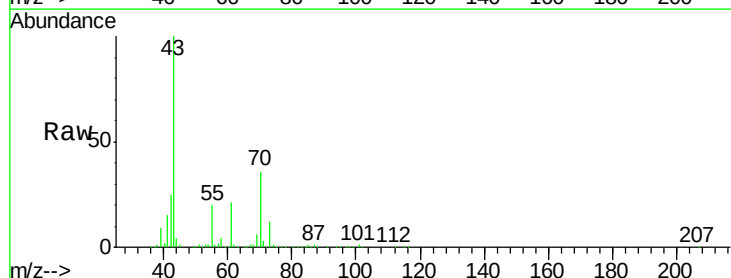
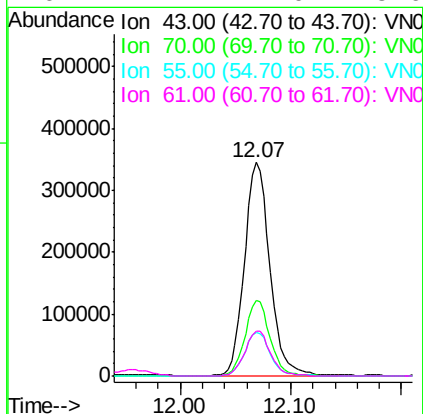
Ion Ratio Lower Upper

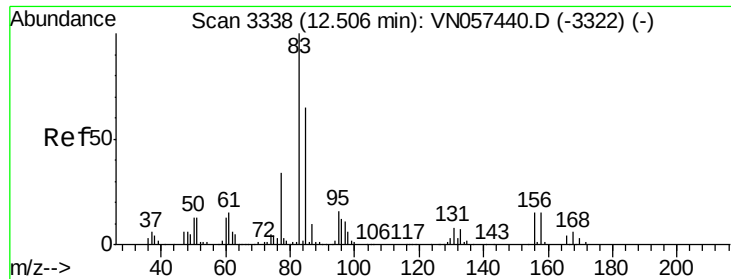
43 100

70 35.0 27.8 41.6

55 20.8 17.0 25.4

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.468 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

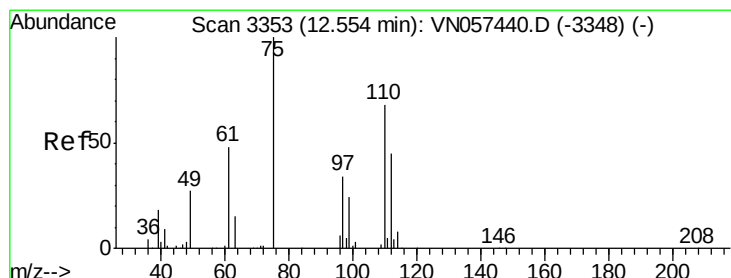
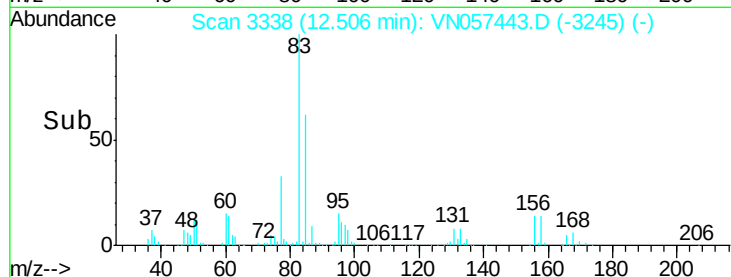
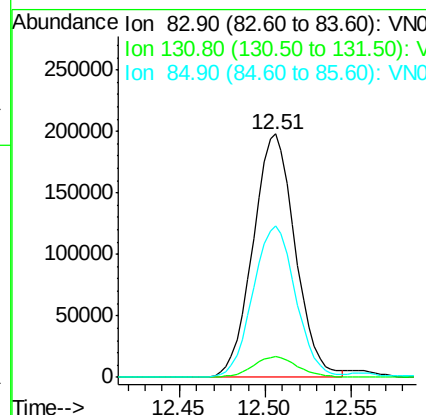
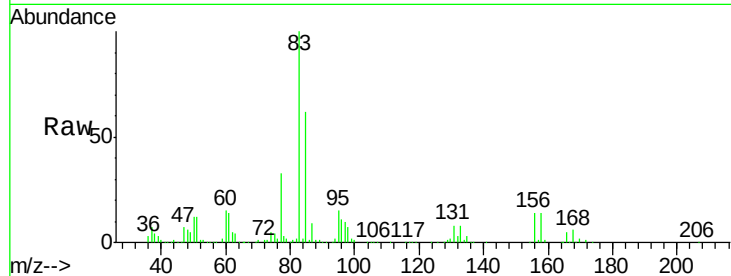
ClientSampleId :

ICVVN082219

Tot Ion:	83	Resp:	336906
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.3	13.1
85	62.8	32.3	96.8

Manual Integrations
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8/23/2019 2:40:20 PM



#76

1,2,3-Trichloropropane

Concen: 54.641 ug/l m

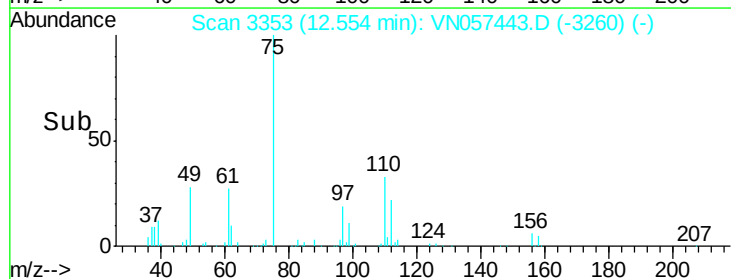
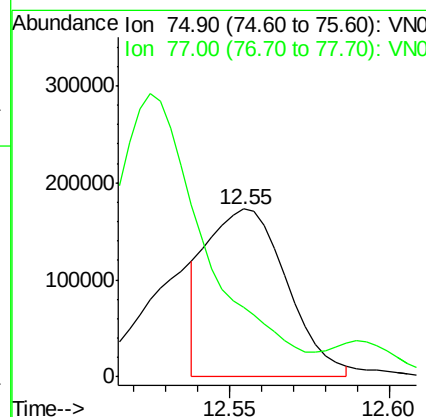
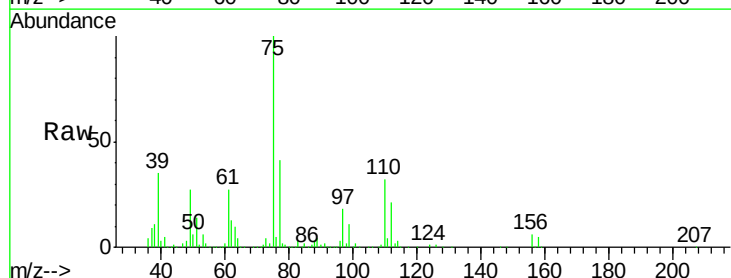
RT: 12.55 min Scan# 3353

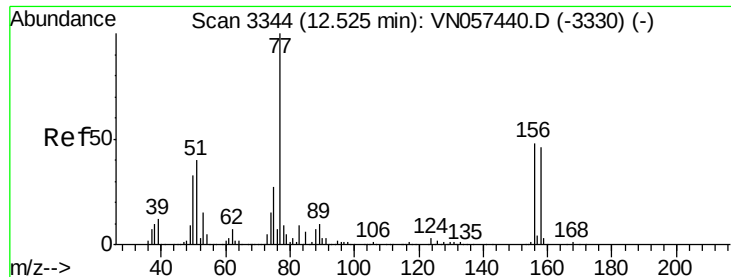
Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	75	Resp:	297849
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.837 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

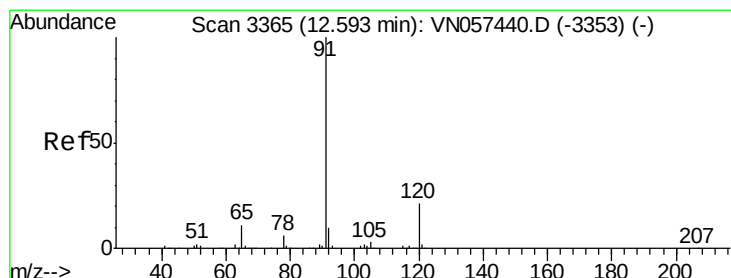
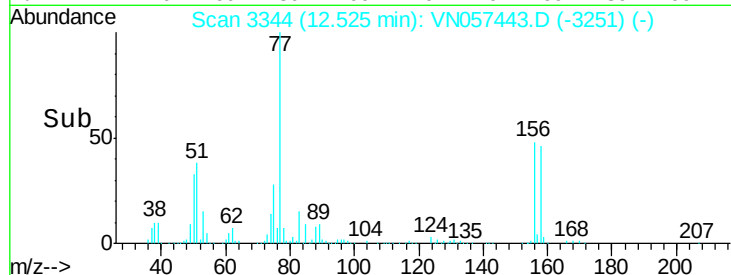
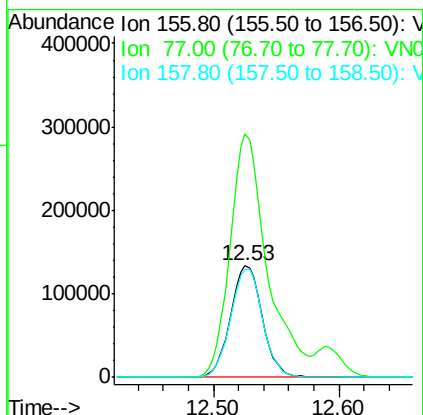
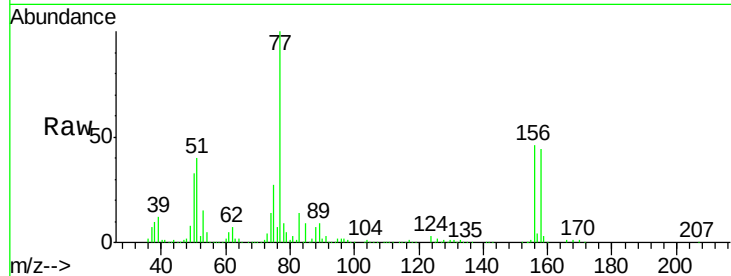
ClientSampleId :

ICVVN082219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		235210		
77	255.3	124.4	373.3		
158	97.8	48.3	144.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 52.186 ug/l

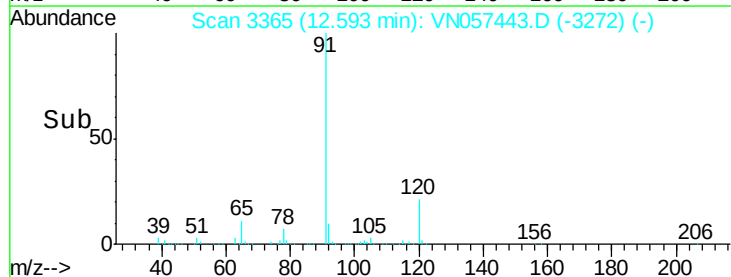
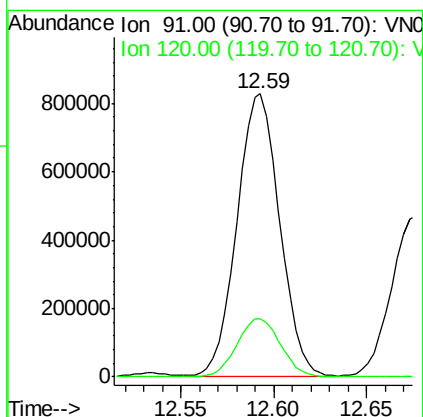
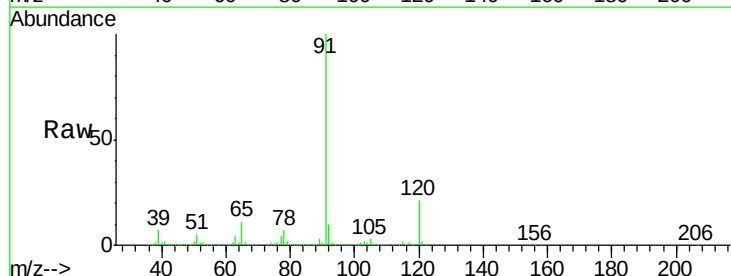
RT: 12.59 min Scan# 3365

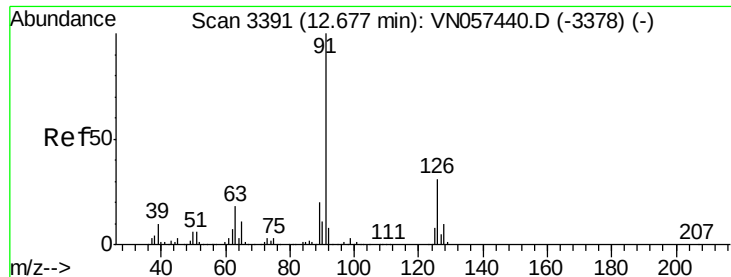
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1312986		
120	21.3	10.7	32.1		





#79

2-Chlorotoluene

Concen: 52.333 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN082219

Tot Ion: 91 Resp: 771654

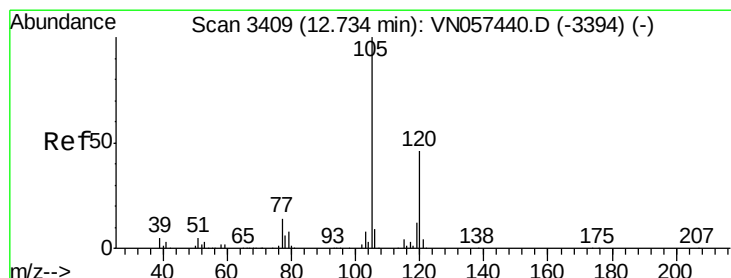
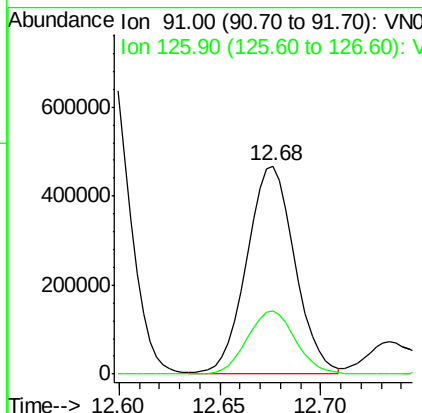
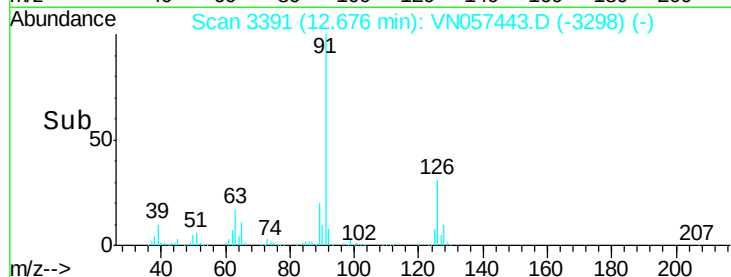
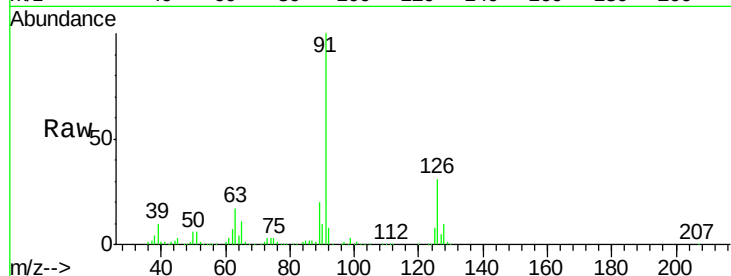
Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 53.049 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057443.D

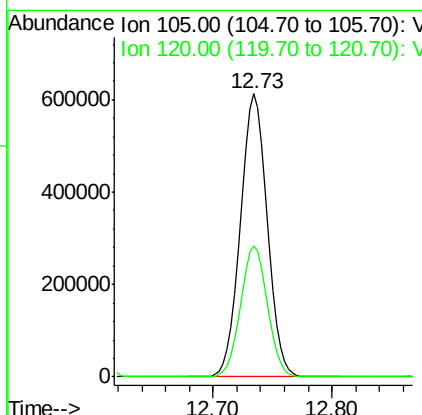
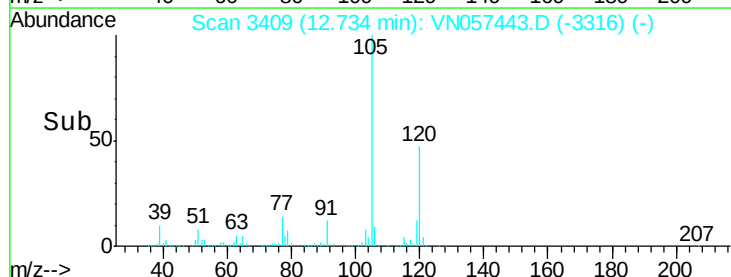
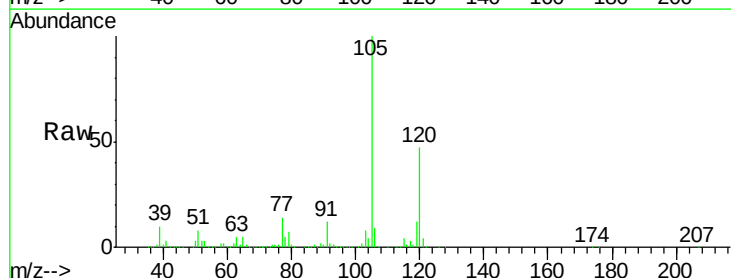
Acq: 22 Aug 2019 19:34

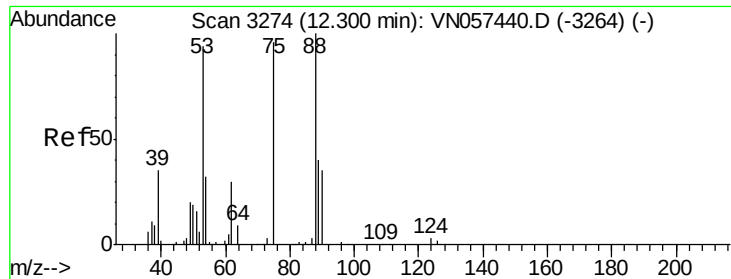
Tgt Ion: 105 Resp: 954916

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.433 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

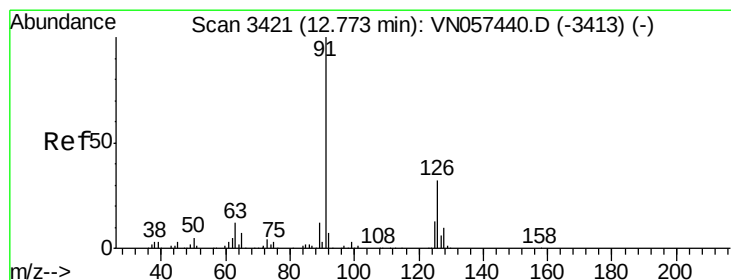
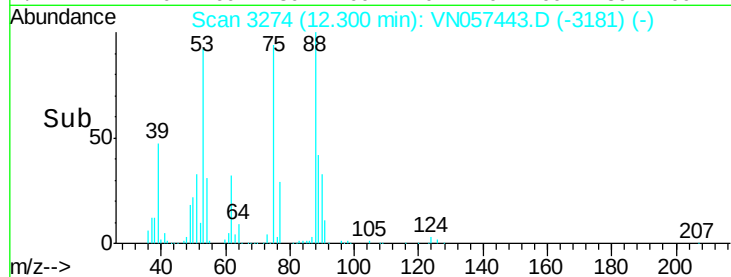
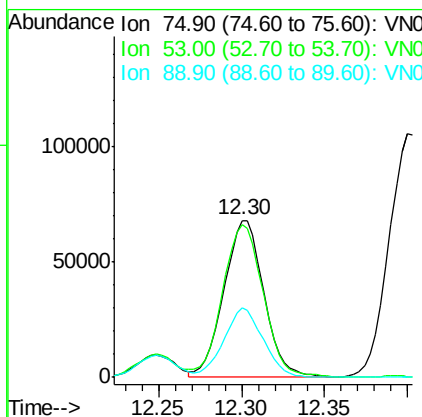
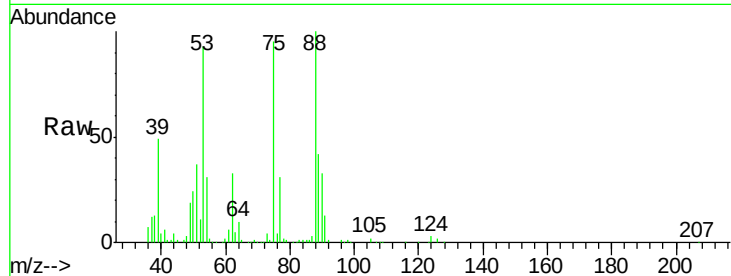
ClientSampled :

ICVVN082219

Tot Ion:	75	Resp:	112634
Ion	Ratio	Lower	Upper
75	100		
53	99.5	82.7	124.1
89	44.3	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.812 ug/l

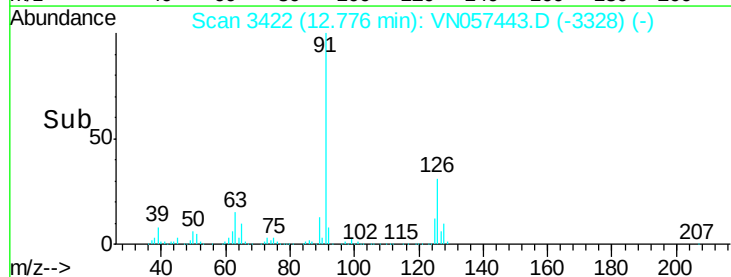
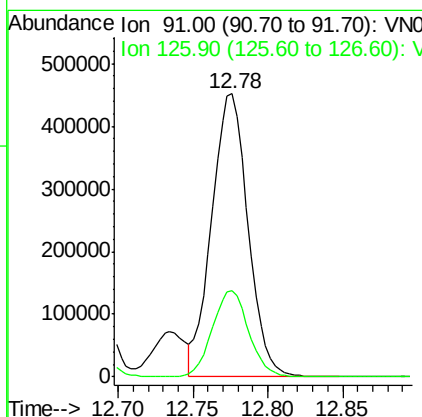
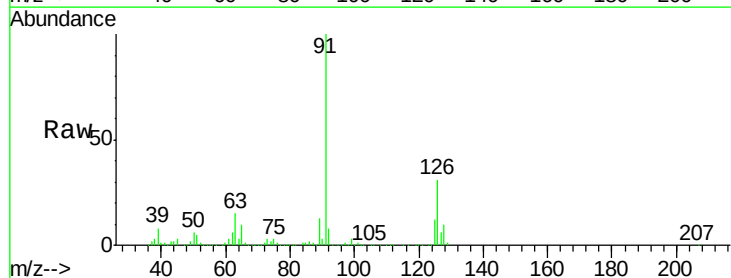
RT: 12.78 min Scan# 3422

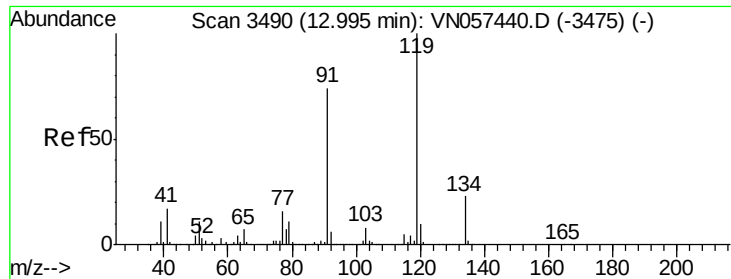
Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	91	Resp:	763890
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.0	45.0





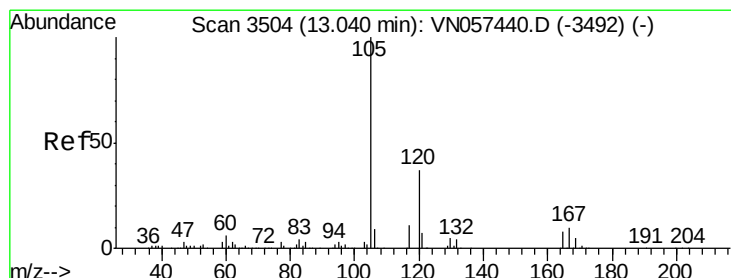
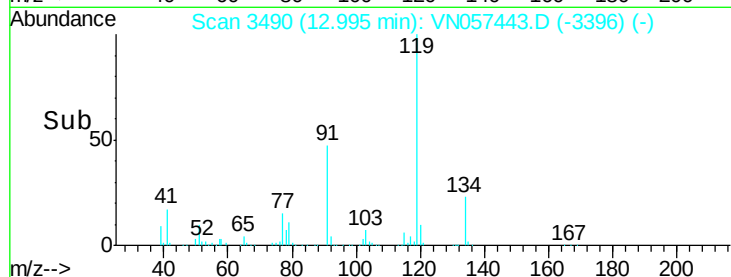
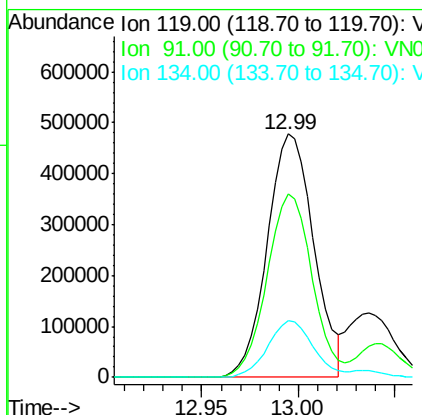
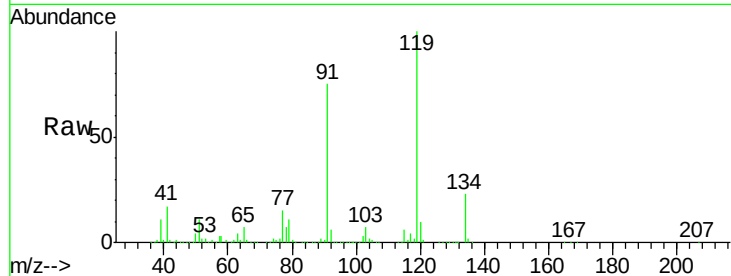
#83
 tert-Butylbenzene
 Concen: 53.221 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082219

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.0	37.0	111.0
134	22.6	12.2	36.6

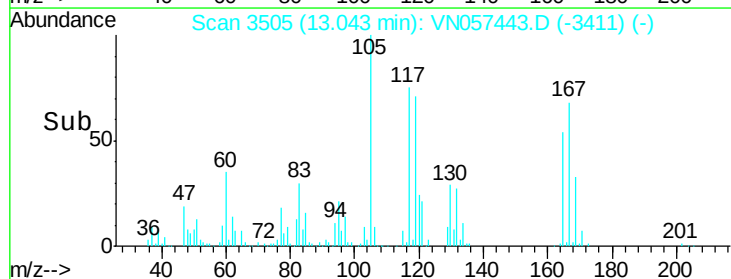
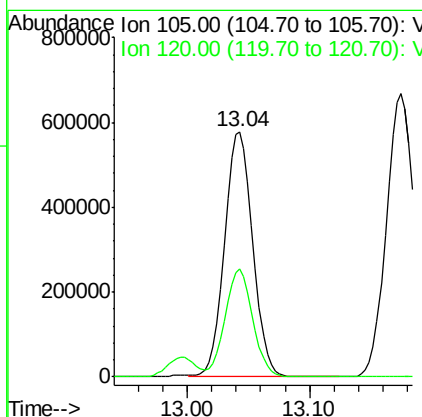
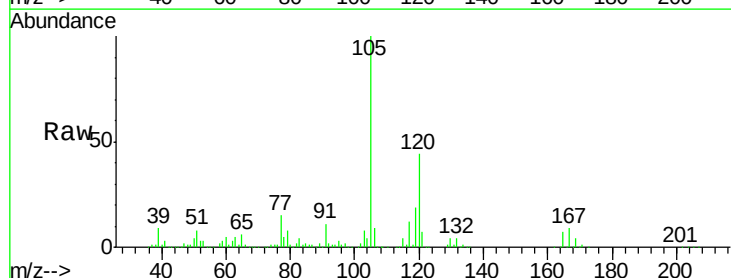
Manual Integrations
 APPROVED

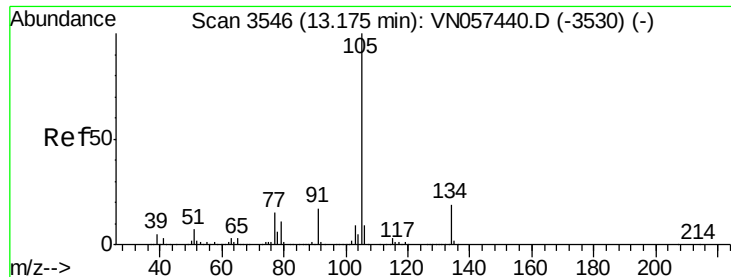
MMDadoda
 8/23/2019 2:40:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.547 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 52.801 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tot Ion:105 Resp: 1078338

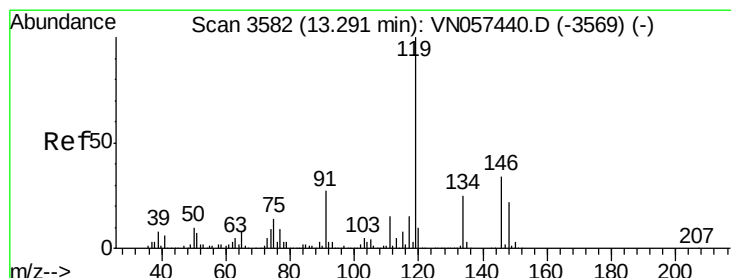
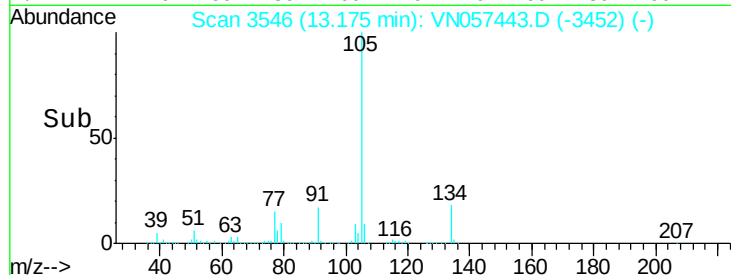
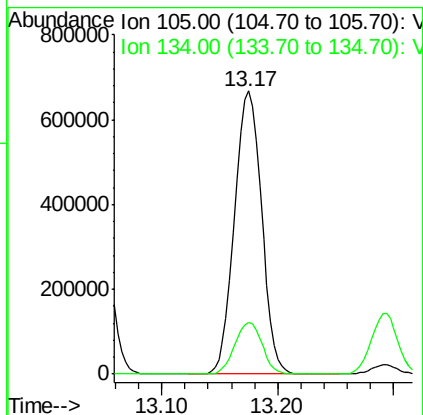
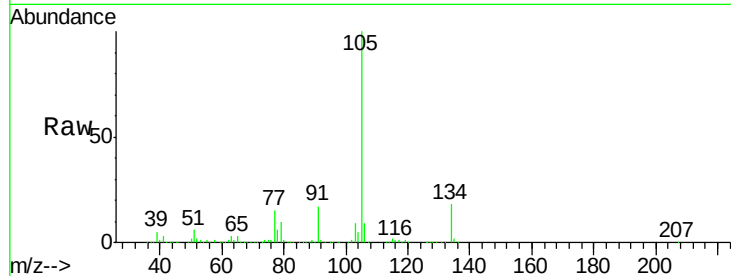
Ion Ratio Lower Upper

105 100

134 18.5 9.3 27.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 47.182 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

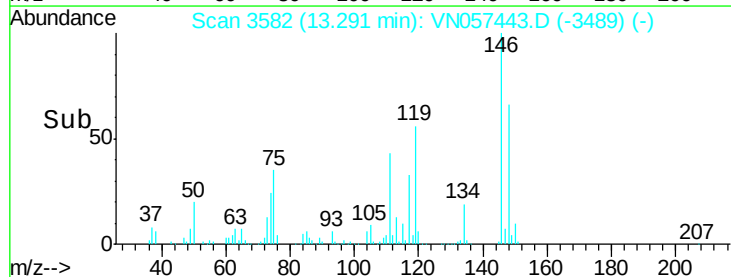
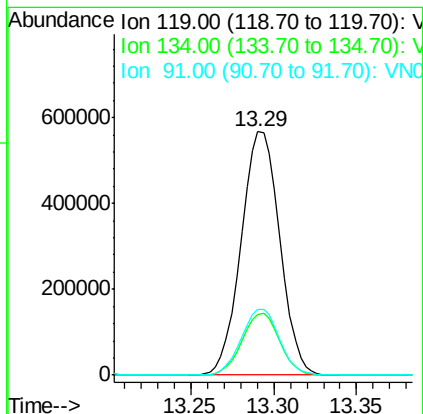
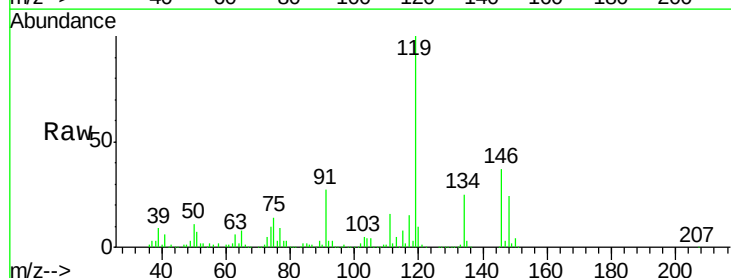
Tgt Ion:119 Resp: 914047

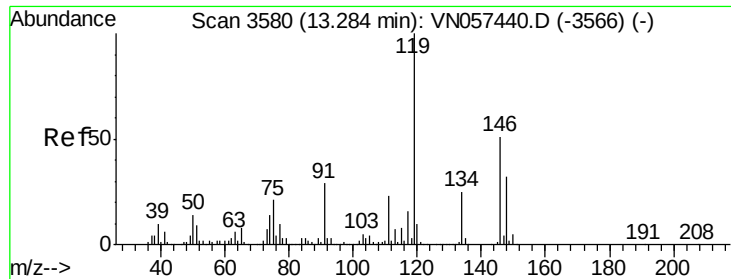
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 26.8 13.9 41.6





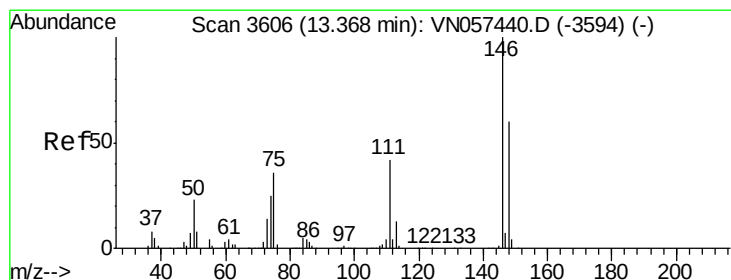
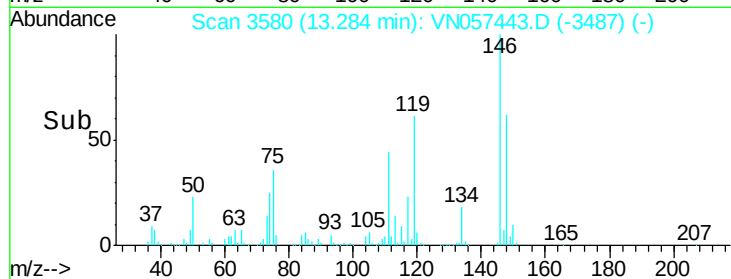
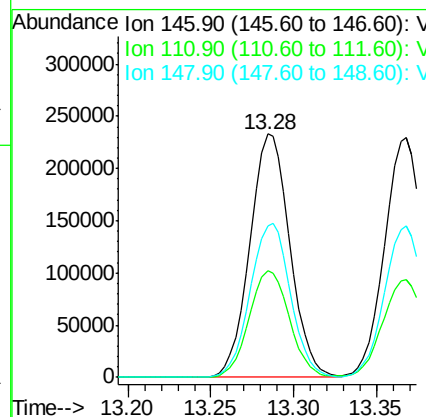
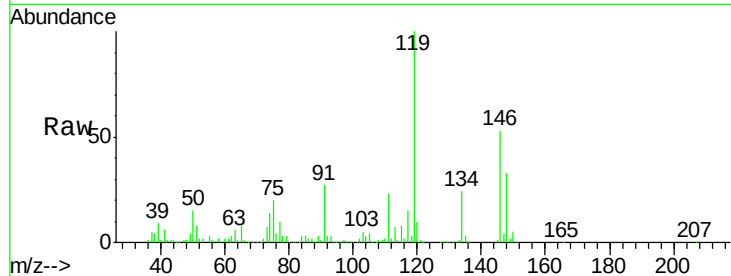
#87
 1,3-Dichlorobenzene
 Concen: 48.879 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Resp	Lower	Upper
146	100	391307		
111	44.1	22.1	66.1	
148	63.7	31.9	95.9	

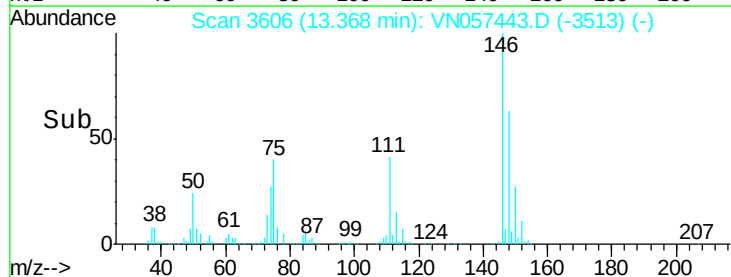
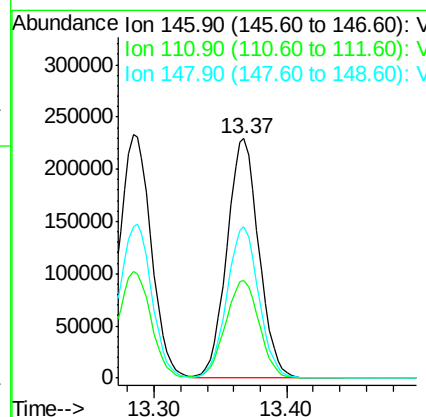
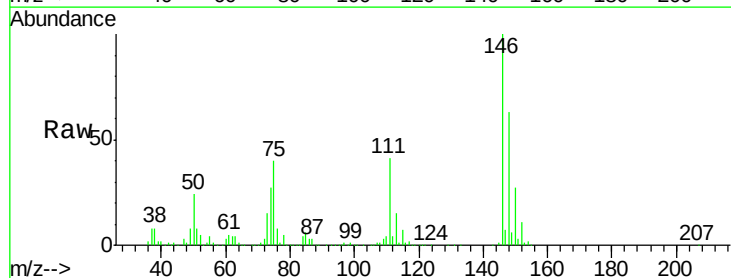
Manual Integrations
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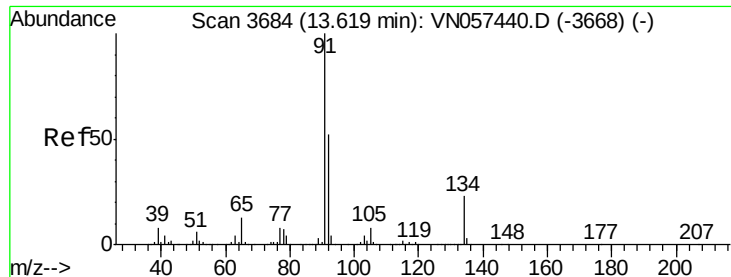
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#88
 1,4-Dichlorobenzene
 Concen: 48.778 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	382416		
111	42.8	21.9	65.5	
148	63.4	31.1	93.2	





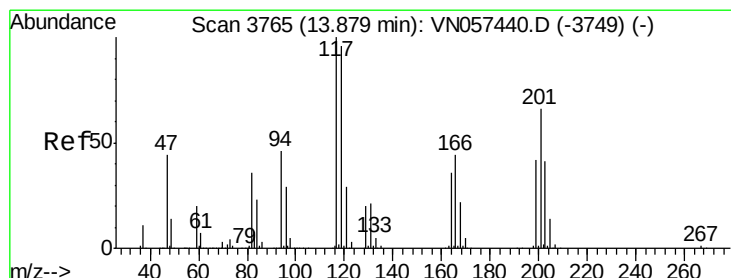
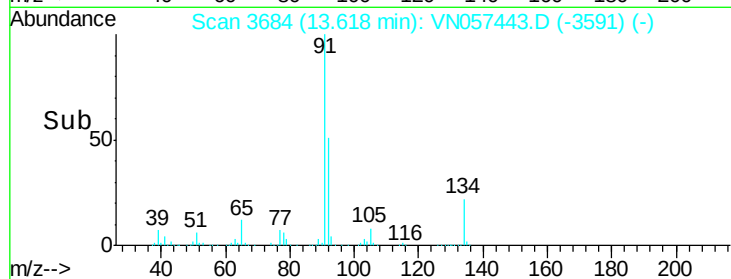
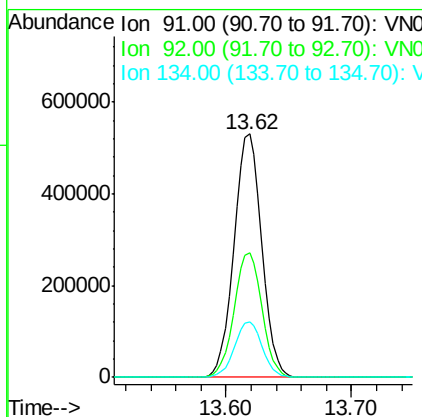
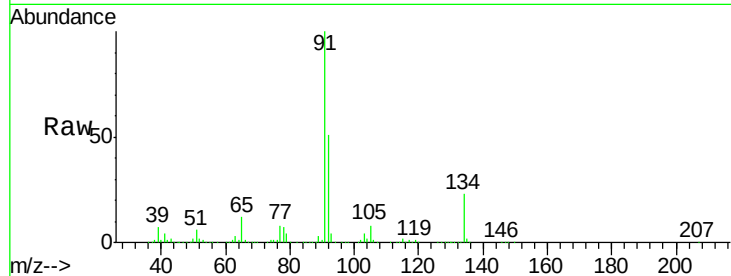
#89
n-Butylbenzene
Concen: 49.473 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		811060		
92	51.6	25.7	77.0		
134	22.9	11.4	34.1		

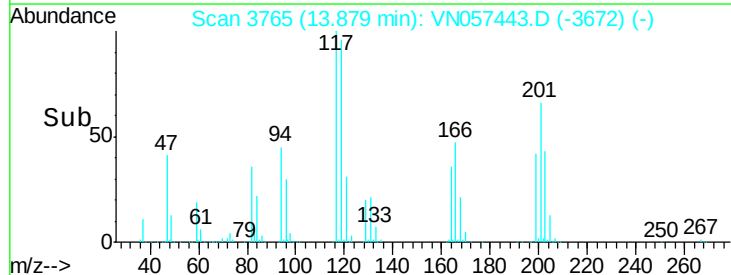
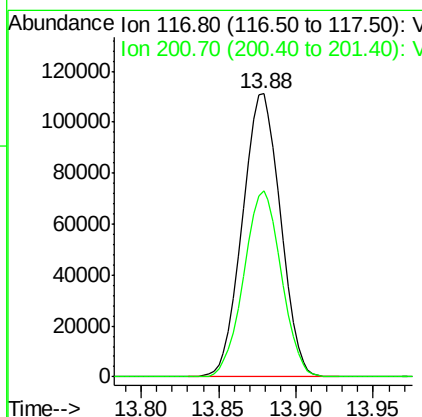
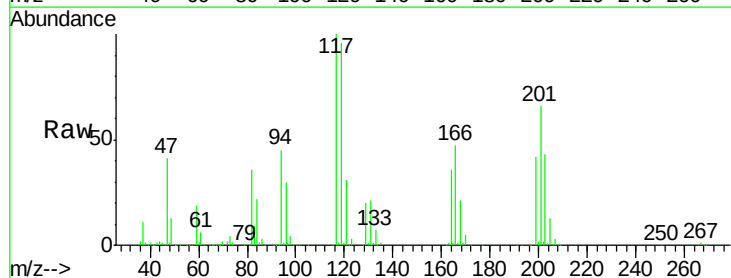
Manual Integrations
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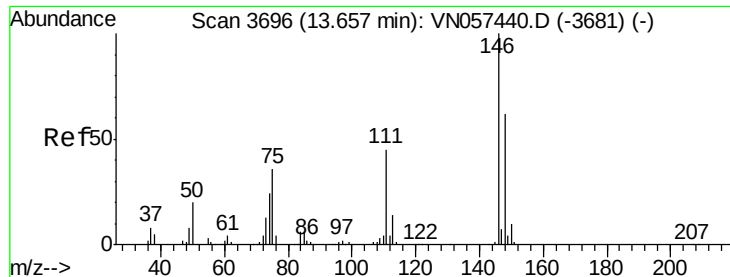
MMDadoda
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#90
Hexachloroethane
Concen: 52.768 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		190525		
201	64.7	33.1	99.3		





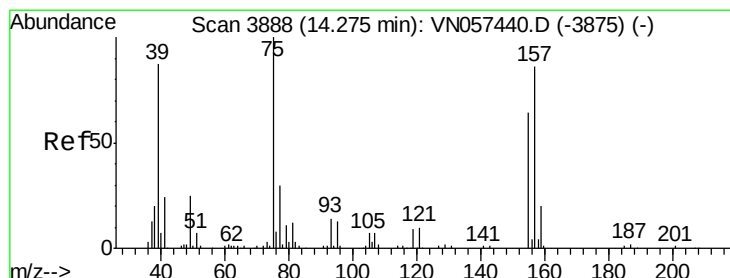
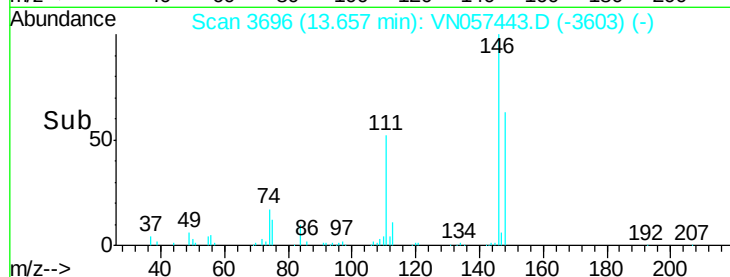
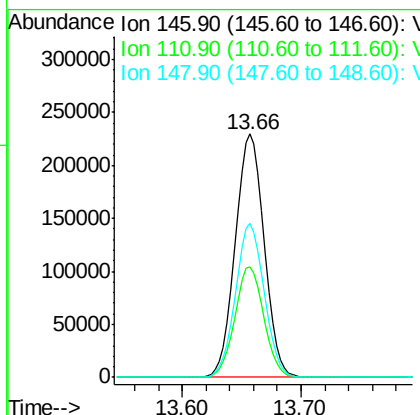
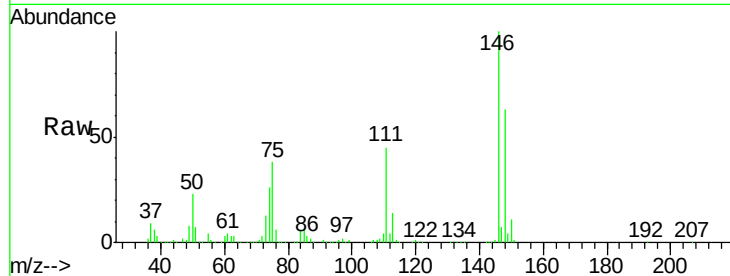
#91
 1,2-Dichlorobenzene
 Concen: 50.513 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.2
148	62.8	31.8	95.4

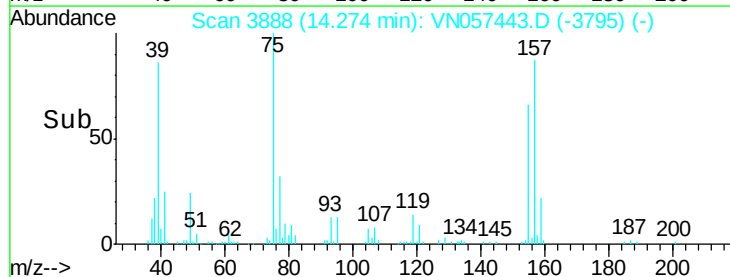
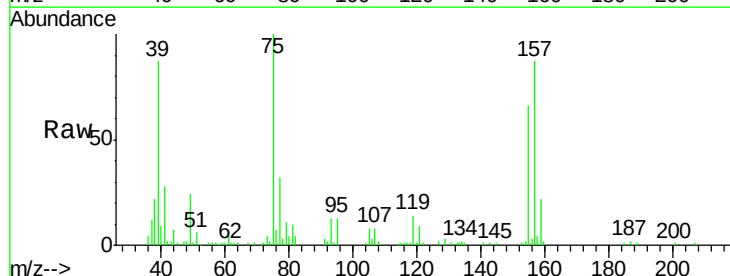
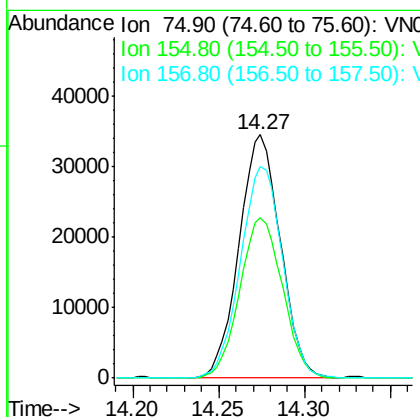
Manual Integrations
 APPROVED

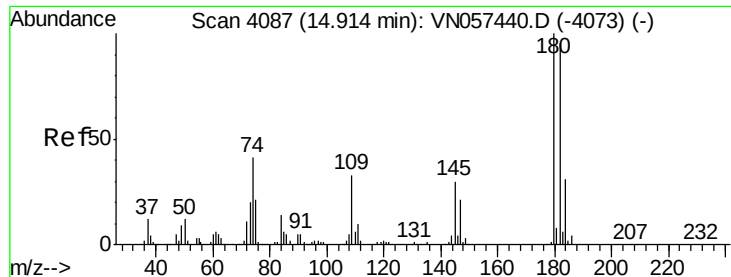
MMDadoda
 8/23/2019 2:40:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.666 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	31.6	94.7
157	88.6	43.3	129.8





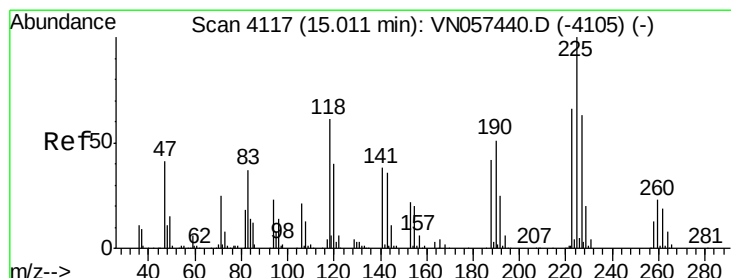
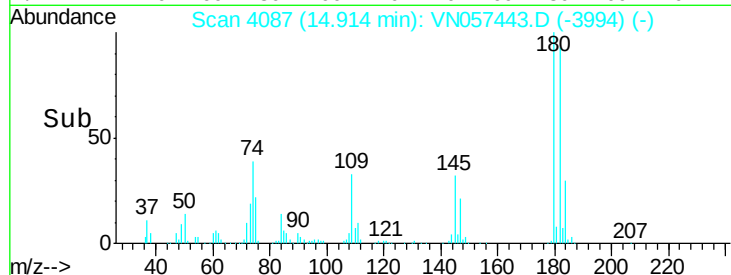
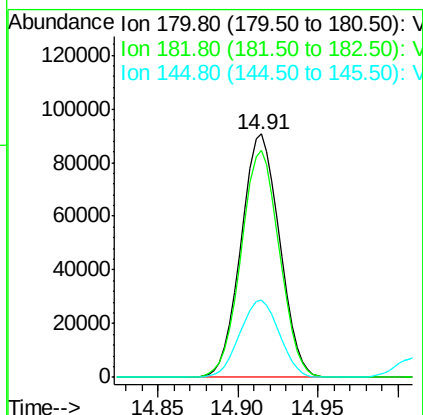
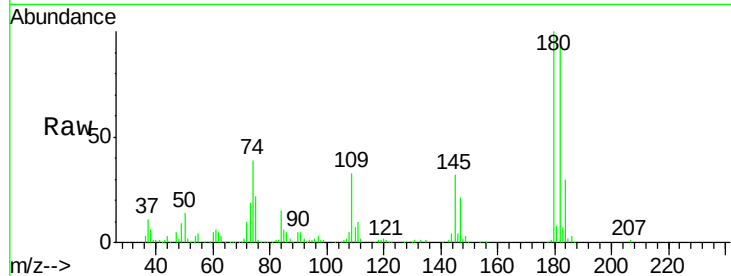
#93
 1,2,4-Trichlorobenzene
 Concen: 48.364 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.7	140.1
145	32.4	15.6	46.8

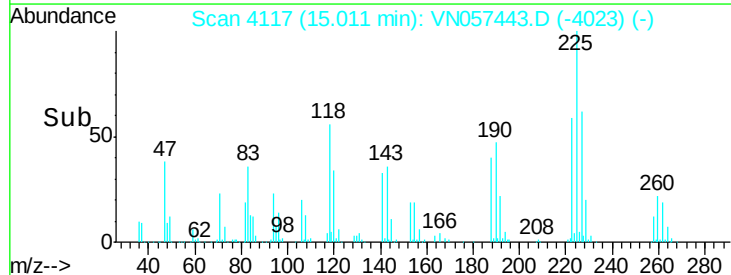
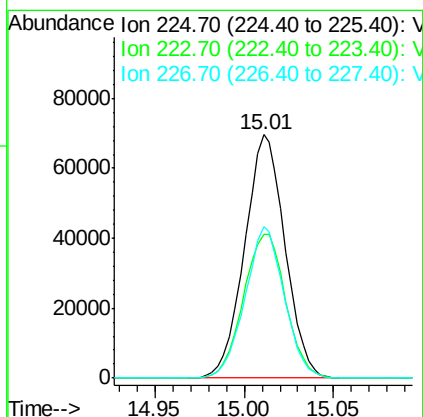
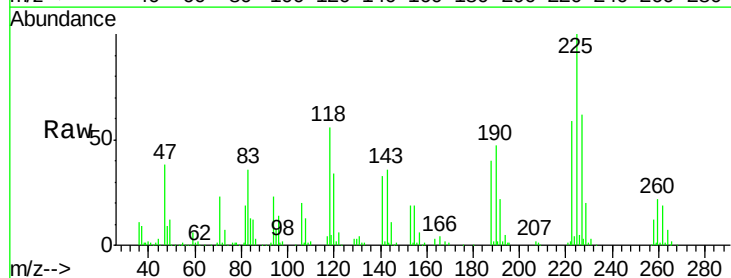
Manual Integrations
 APPROVED

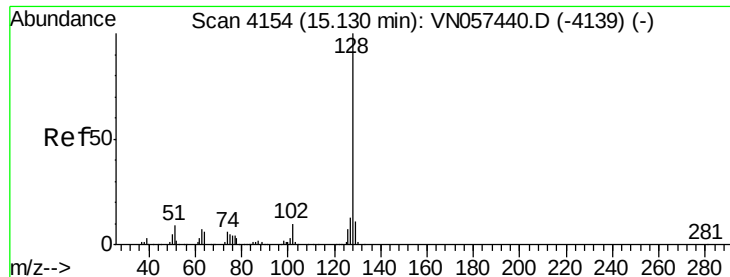
MMDadoda
 8/23/2019 2:40:20 PM



#94
 Hexachlorobutadiene
 Concen: 57.091 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.0	96.2
227	60.3	31.5	94.5





#95

Naphthalene

Concen: 50.076 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

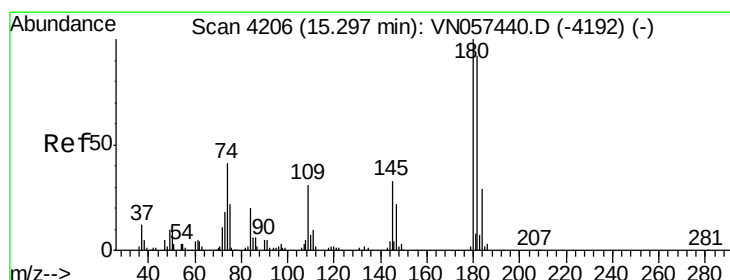
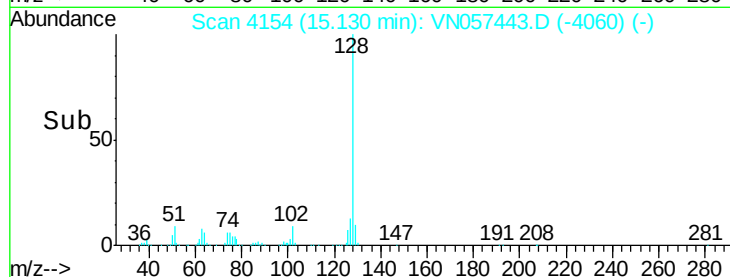
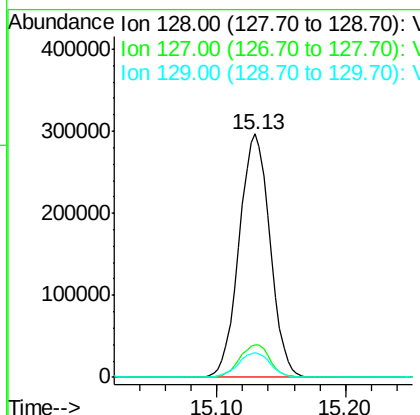
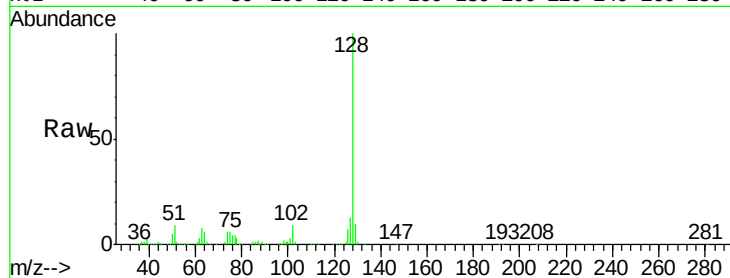
ClientSampleId :

ICVVN082219

Tot Ion:	128	Resp:	493810
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.501 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	180	Resp:	152765
Ion Ratio	Lower	Upper	
180	100		
182	97.6	46.7	140.1
145	33.4	16.8	50.3

