

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058243.D
 Acq On : 20 Sep 2019 12:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:29:51 PM

Quant Time: Sep 21 00:07:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	806513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360019	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.57	113	255693	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.09	98	1023563	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.40	95	387577	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	182296	46.330	ug/l	99
3) Chloromethane	2.03	50	152843	50.403	ug/l	98
4) Vinyl Chloride	2.17	62	167867	50.626	ug/l	99
5) Bromomethane	2.54	94	89985	51.236	ug/l	94
6) Chloroethane	2.68	64	113700	53.646	ug/l	99
7) Trichlorofluoromethane	3.00	101	248820	46.329	ug/l	99
8) Diethyl Ether	3.39	74	116635	47.396	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183135	47.294	ug/l	98
10) Methyl Iodide	3.93	142	158240	48.769	ug/l	99
11) Tert butyl alcohol	4.75	59	180079	226.923	ug/l	99
12) 1,1-Dichloroethene	3.72	96	147152	50.076	ug/l	94
13) Acrolein	3.59	56	46231	393.107	ug/l	99
14) Allyl chloride	4.30	41	306843	48.426	ug/l	99
15) Acrylonitrile	4.96	53	557456	263.660	ug/l	99
16) Acetone	3.79	43	532674	235.227	ug/l	100
17) Carbon Disulfide	4.03	76	186216	45.046	ug/l	98
18) Methyl Acetate	4.30	43	298932	50.167	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	761355	52.130	ug/l	98
20) Methylene Chloride	4.53	84	204574	51.606	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	158374	49.454	ug/l	96
22) Diisopropyl ether	5.93	45	825502	51.288	ug/l	97
23) Vinyl Acetate	5.87	43	3019598	274.174	ug/l	100
24) 1,1-Dichloroethane	5.83	63	429831	50.036	ug/l	99
25) 2-Butanone	6.81	43	805638	261.136	ug/l	99
26) 2,2-Dichloropropane	6.81	77	357881	49.107	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	240150	49.441	ug/l	98
28) Bromochloromethane	7.18	49	217842	53.605	ug/l	100
29) Tetrahydrofuran	7.19	42	477125	251.071	ug/l	99
30) Chloroform	7.36	83	460102	49.758	ug/l	100
31) Cyclohexane	7.64	56	277058	49.889	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	356601	50.658	ug/l	99
36) 1,1-Dichloropropene	7.78	75	270351	46.483	ug/l	100
37) Ethyl Acetate	6.91	43	315216	52.224	ug/l	99
38) Carbon Tetrachloride	7.76	117	283378	48.469	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	277531	49.353	ug/l	98
40) Benzene	8.03	78	865476	48.719	ug/l	99
41) Methacrylonitrile	7.15	41	148313	48.798	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	369239	49.535	ug/l	99
43) Isopropyl Acetate	8.15	43	557639	49.468	ug/l	100
44) Trichloroethene	8.82	130	211382	48.625	ug/l	99
45) 1,2-Dichloropropane	9.11	63	273052	51.469	ug/l	98
46) Dibromomethane	9.20	93	164721	51.069	ug/l	98
47) Bromodichloromethane	9.39	83	355677	52.637	ug/l	98
48) Methyl methacrylate	9.19	41	268851	52.528	ug/l	99
49) 1,4-Dioxane	9.19	88	74615	887.931	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1756112	293.294	ug/l	99
52) Toluene	10.15	92	558961	50.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	376594	54.407	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	408679	53.477	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	260280	52.681	ug/l	98
56) Ethyl methacrylate	10.43	69	393010	55.132	ug/l	99
57) 1,3-Dichloropropane	10.71	76	442095	52.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1058616	311.770	ug/l	100
59) 2-Hexanone	10.75	43	1294619	291.129	ug/l	99
60) Dibromochloromethane	10.90	129	260765	54.861	ug/l	99
61) 1,2-Dibromoethane	11.00	107	240020	52.421	ug/l	100
64) Tetrachloroethene	10.63	164	170319	46.392	ug/l	99
65) Chlorobenzene	11.43	112	656485	49.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	252323	52.530	ug/l	100
67) Ethyl Benzene	11.51	91	1183835	52.155	ug/l	100
68) m/p-Xylenes	11.62	106	851724	99.629	ug/l	95
69) o-Xylene	11.95	106	432566	51.459	ug/l	99
70) Styrene	11.97	104	769535	53.132	ug/l	100
71) Bromoform	12.13	173	168127	47.411	ug/l #	100
73) Isopropylbenzene	12.25	105	1236840	53.462	ug/l	100
74) N-amyl acetate	12.07	43	540204	55.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	409403	52.844	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	368888m	55.767	ug/l	
77) Bromobenzene	12.53	156	289245	49.703	ug/l	98
78) n-propylbenzene	12.60	91	1450445	55.172	ug/l	99
79) 2-Chlorotoluene	12.68	91	867814	52.819	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1063040	54.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107414	48.523	ug/l	100
82) 4-Chlorotoluene	12.78	91	919248	53.226	ug/l	100
83) tert-Butylbenzene	13.00	119	944379	54.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1077891	55.366	ug/l	100
85) sec-Butylbenzene	13.18	105	1284107	56.286	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146931	56.550	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	565375	53.191	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	562764	51.861	ug/l	100
89) n-Butylbenzene	13.62	91	1085802	56.468	ug/l	100
90) Hexachloroethane	13.88	117	178152	50.086	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	566326	53.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	76848	55.098	ug/l	99

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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	361754	53.103	ug/l	99
94) Hexachlorobutadiene	15.01	225	175095	53.178	ug/l	97
95) Naphthalene	15.13	128	984854	55.785	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	341729	53.073	ug/l	98

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

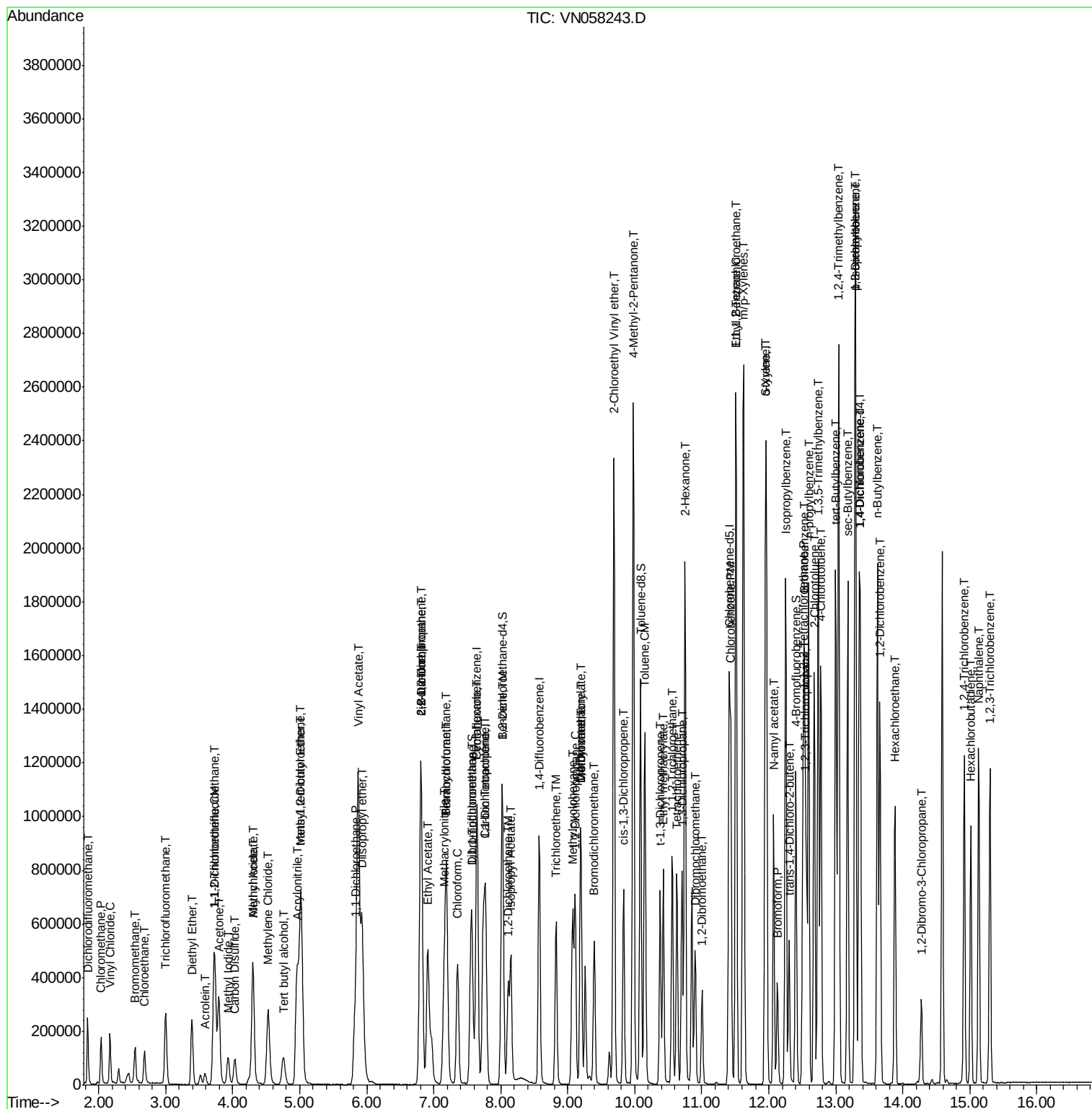
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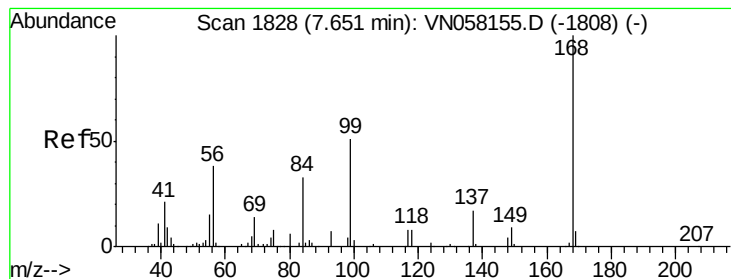
Instrument :
MSVOA_N
Client Sampled :
VSTDCCC050

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Quant Title : SW846 8260
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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: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 478985

Ion Ratio Lower Upper

168 100

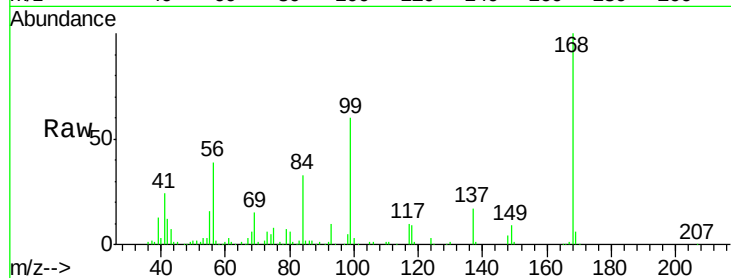
99 59.8 47.4 71.2

Manual Integrations

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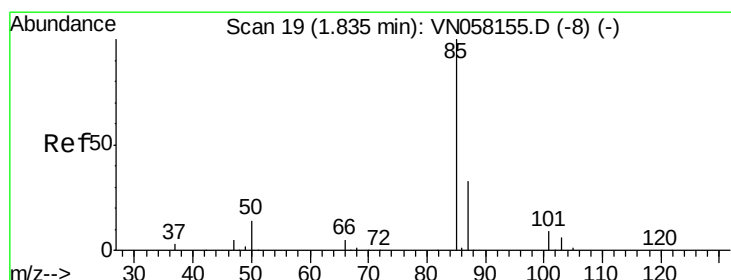
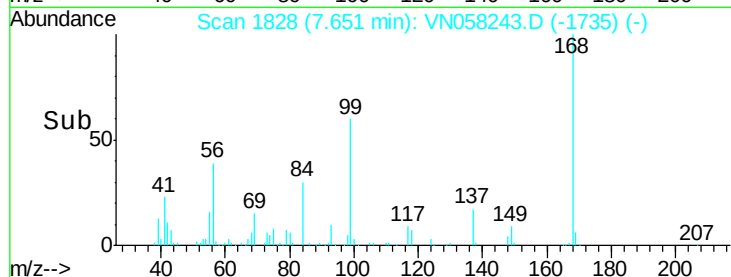
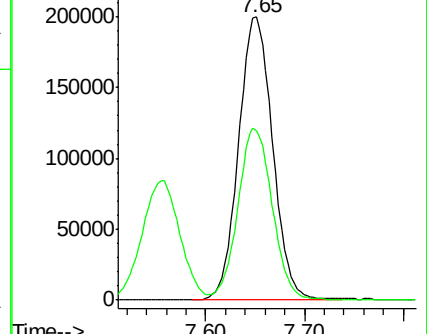
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.330 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058243.D

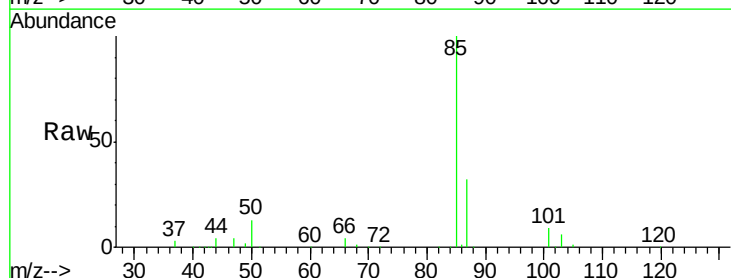
Acq: 20 Sep 2019 12:26

Tgt Ion: 85 Resp: 182296

Ion Ratio Lower Upper

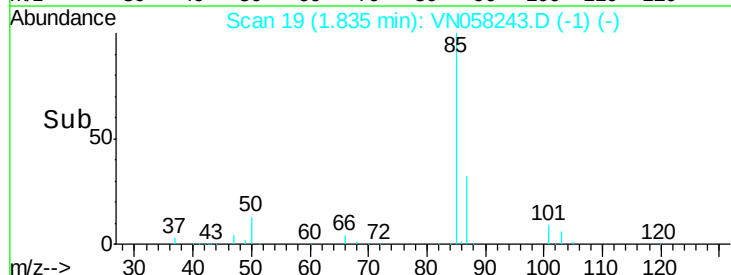
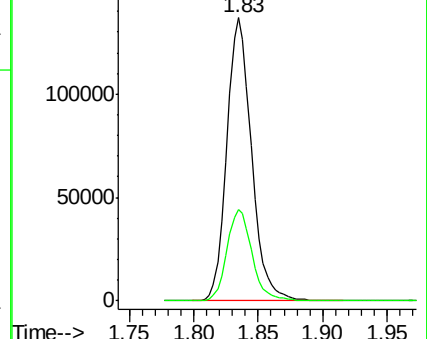
85 100

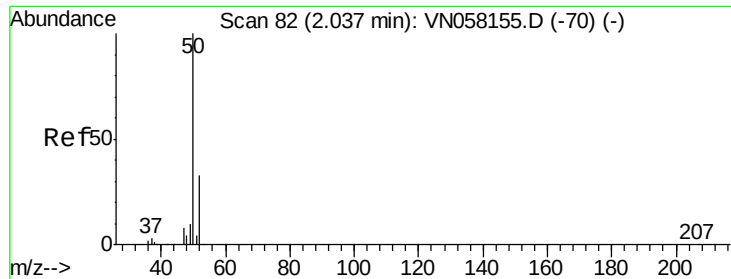
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.403 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152843

Ion Ratio Lower Upper

50 100

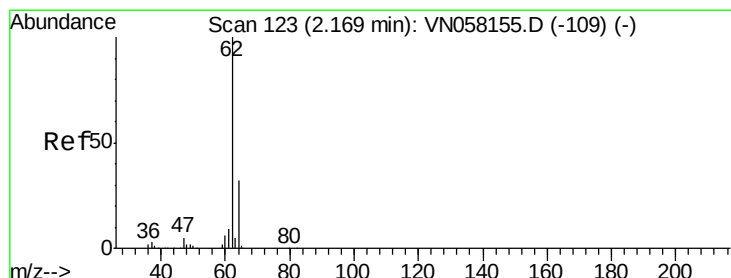
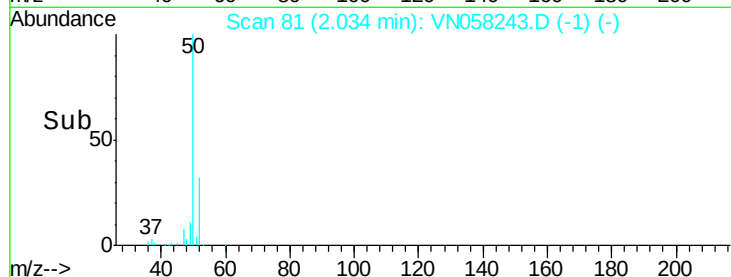
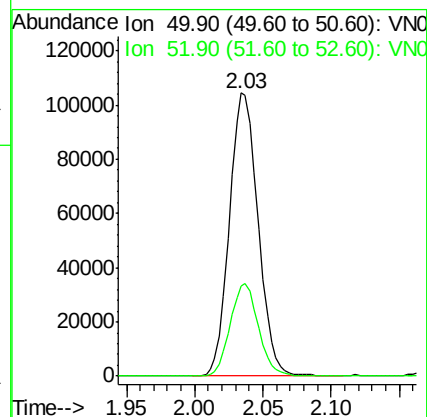
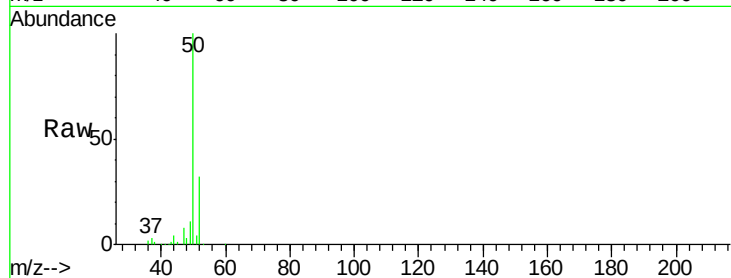
52 31.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.626 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058243.D

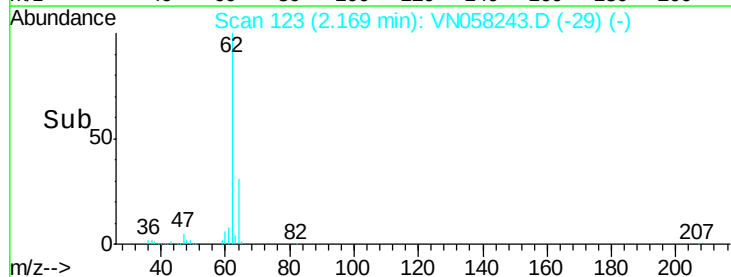
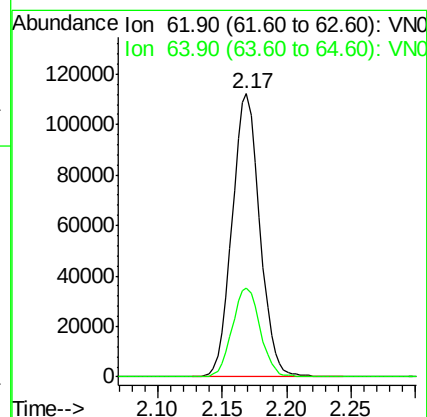
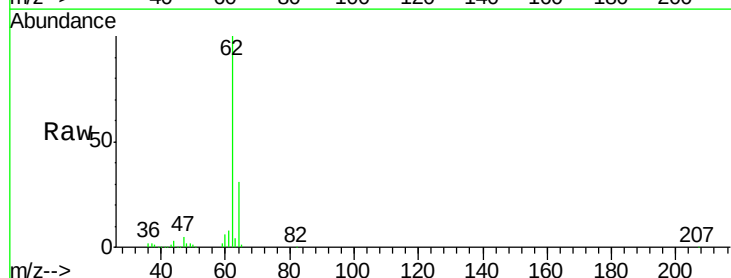
Acq: 20 Sep 2019 12:26

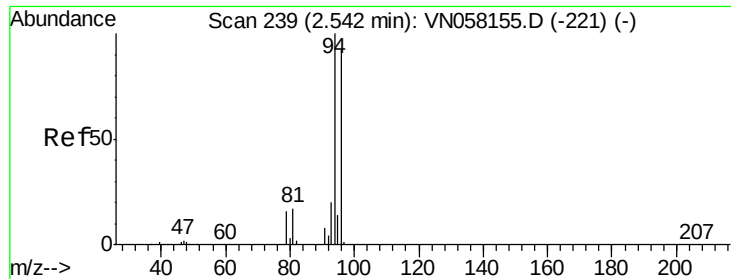
Tgt Ion: 62 Resp: 167867

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 51.236 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 89985

Ion Ratio Lower Upper

94 100

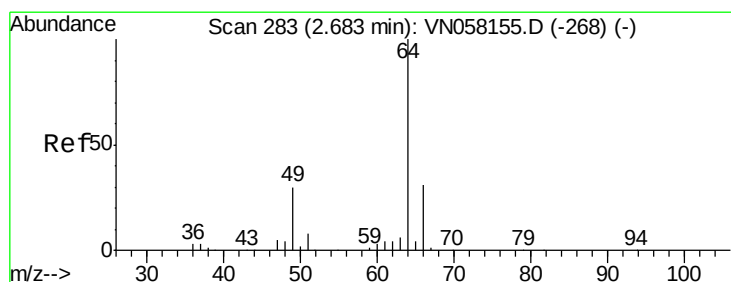
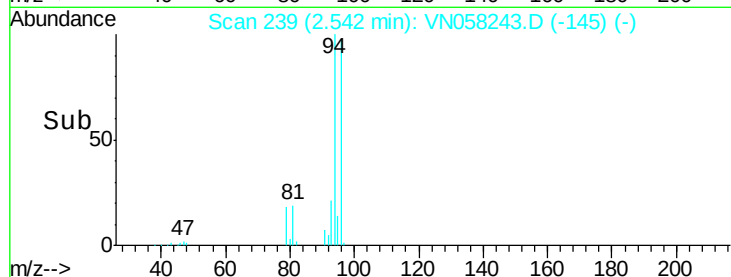
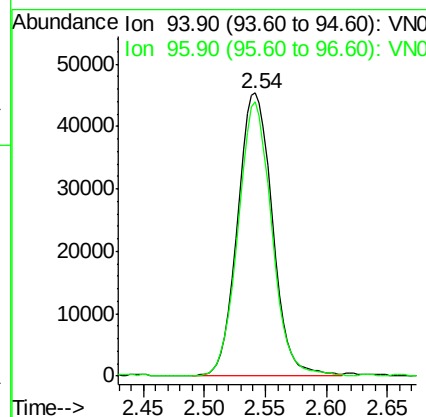
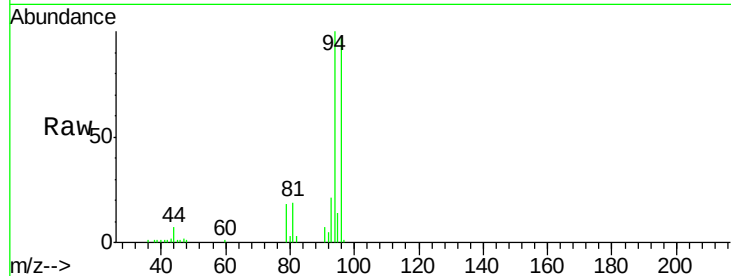
96 97.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 53.646 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058243.D

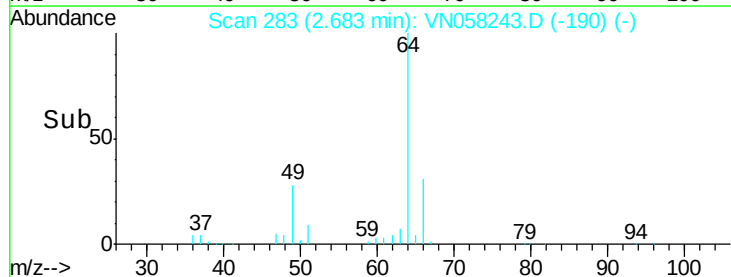
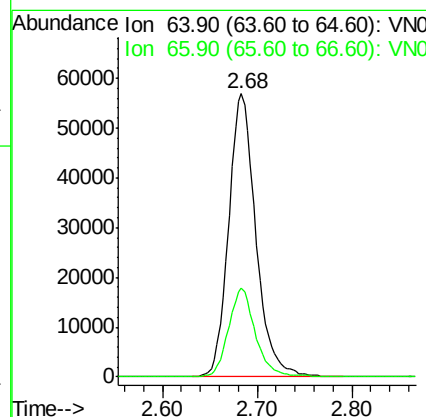
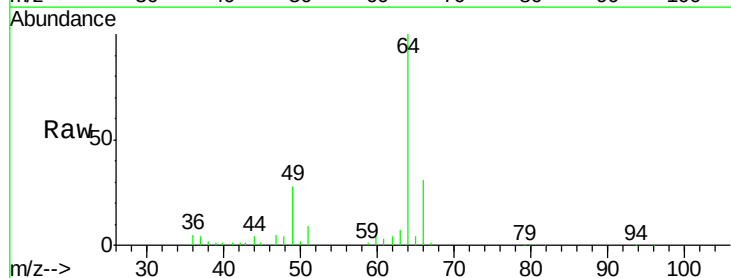
Acq: 20 Sep 2019 12:26

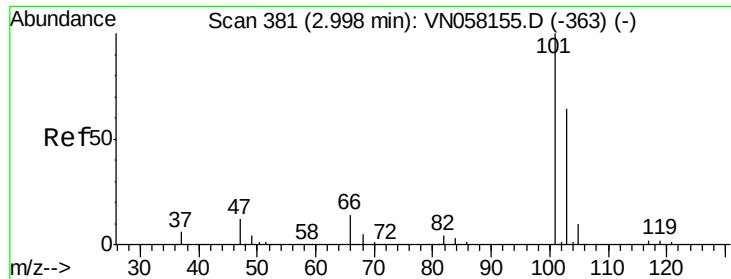
Tgt Ion: 64 Resp: 113700

Ion Ratio Lower Upper

64 100

66 31.5 24.6 37.0





#7

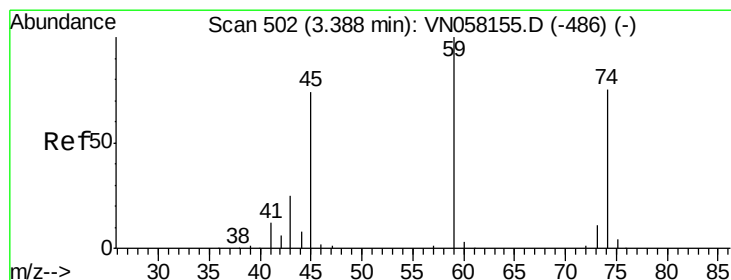
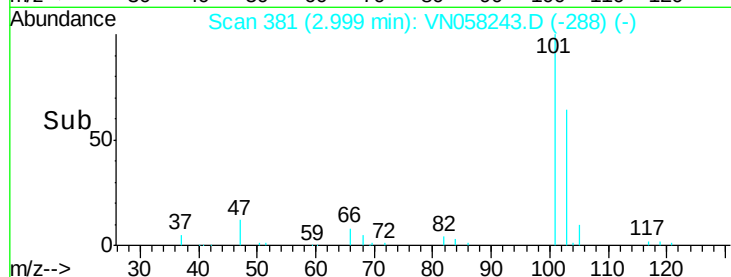
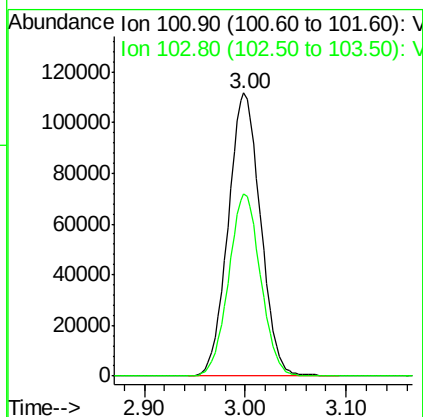
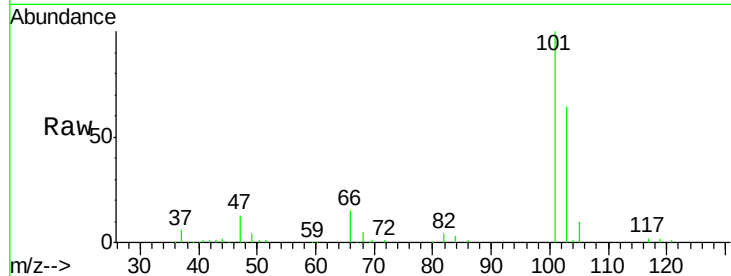
Trichlorofluoromethane
Concen: 46.329 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.6

Manual Integrations
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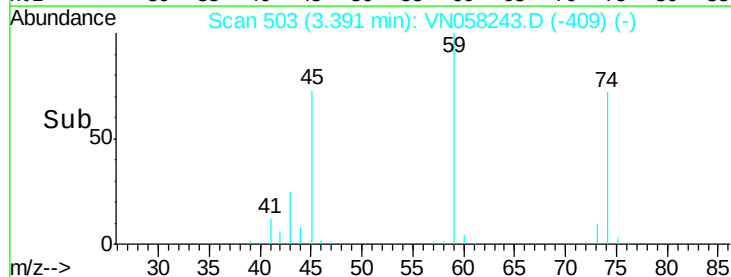
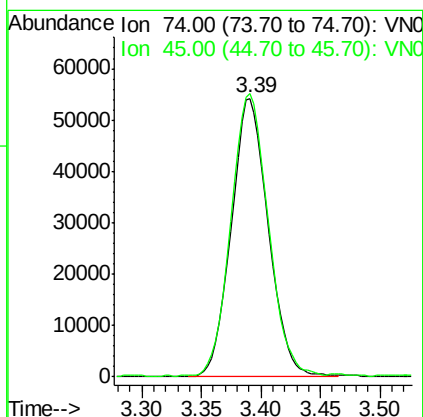
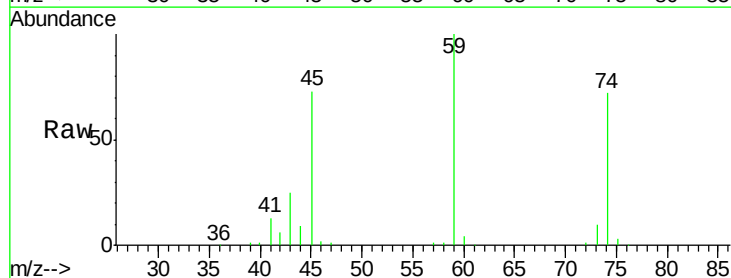
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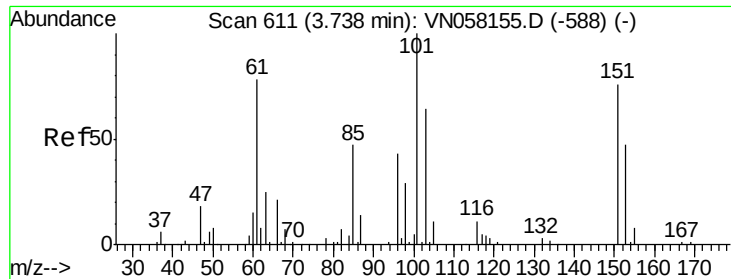


#8

Diethyl Ether
Concen: 47.396 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058243.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	48.5	145.5





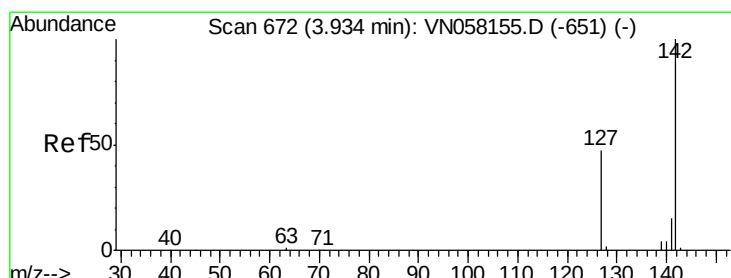
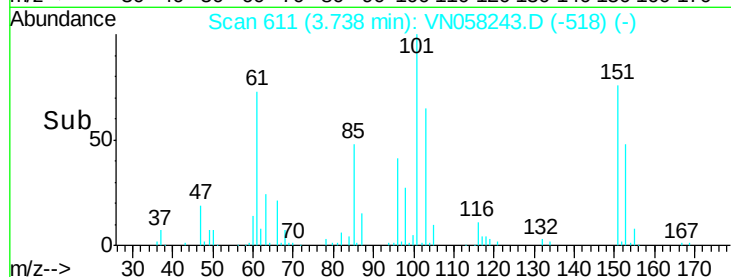
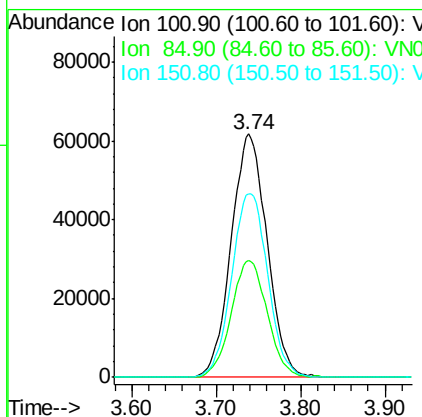
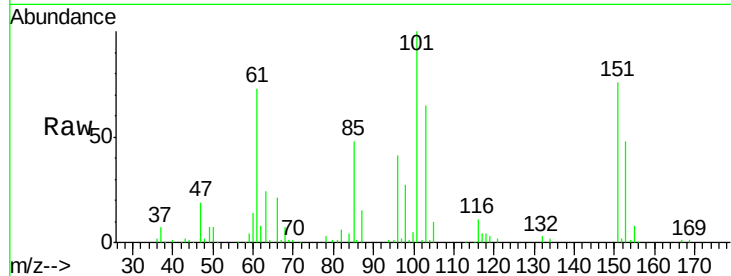
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.294 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183135		
85	48.1	37.3	55.9	
151	75.9	59.6	89.4	

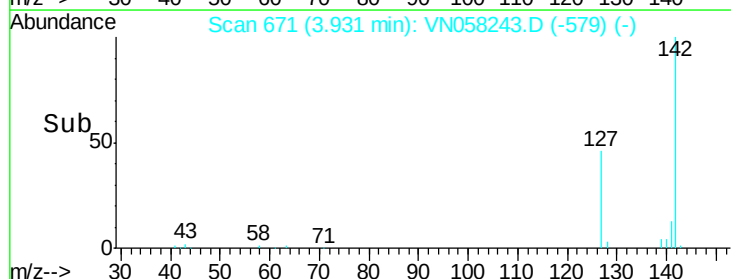
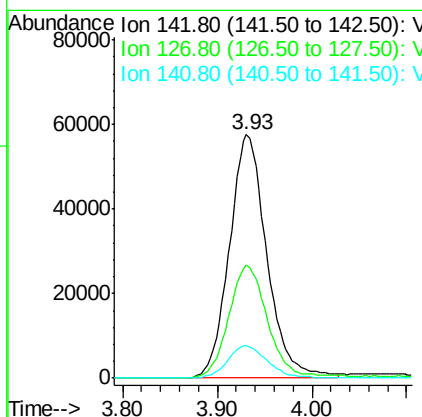
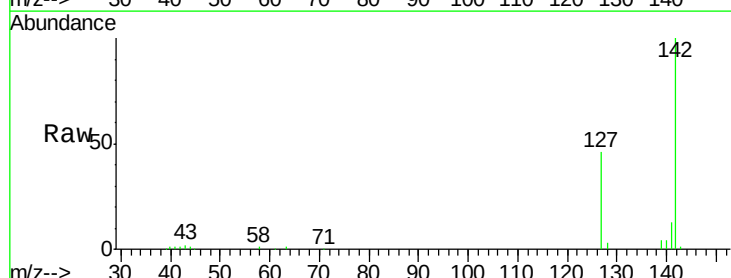
Manual Integrations
APPROVED

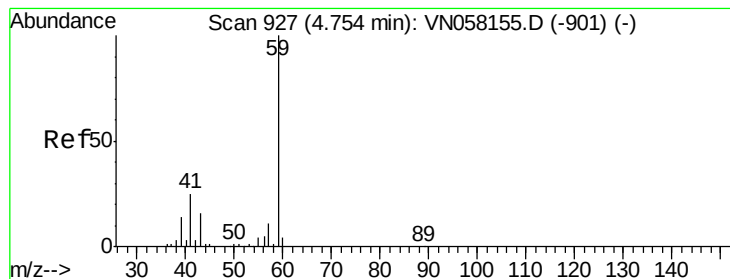
MMDadoda
9/23/2019 3:29:51 PM



#10
Methyl Iodide
Concen: 48.769 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	158240		
127	47.9	37.5	56.3	
141	14.3	11.4	17.2	





#11

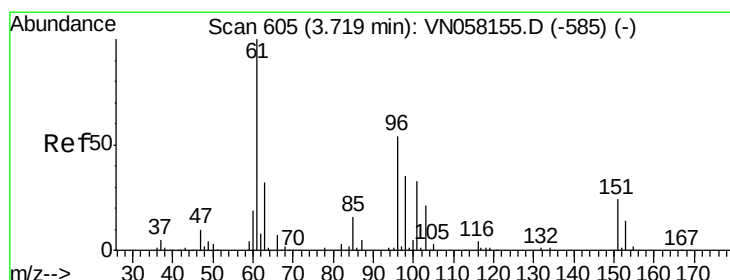
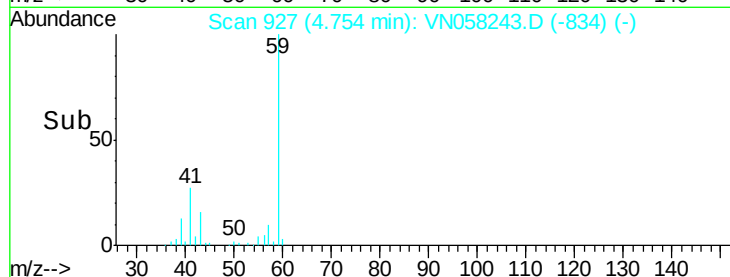
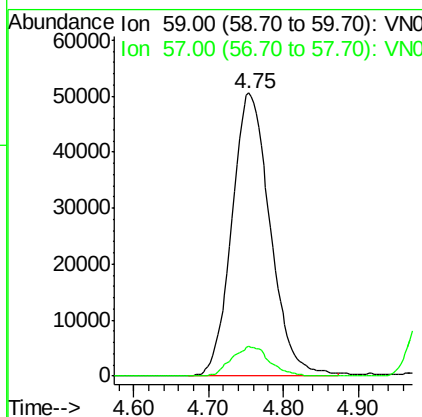
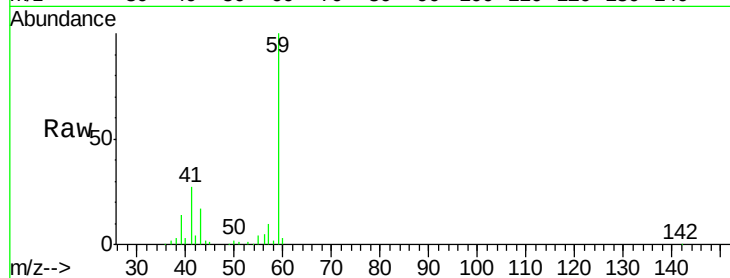
Tert butyl alcohol
Concen: 226.923 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	180079
Ion Ratio	100	Lower	Upper
57	10.3	8.6	13.0

Manual Integrations
APPROVED

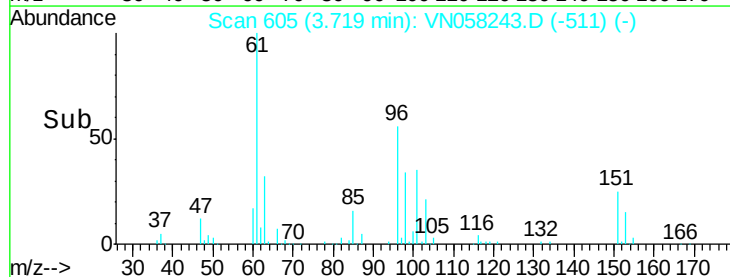
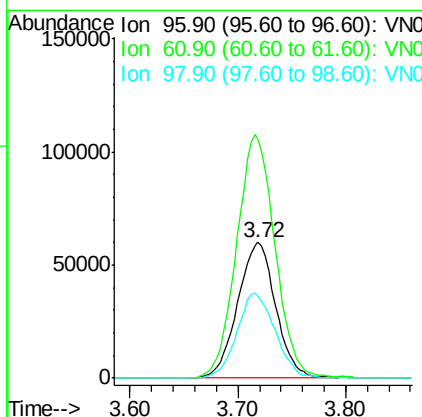
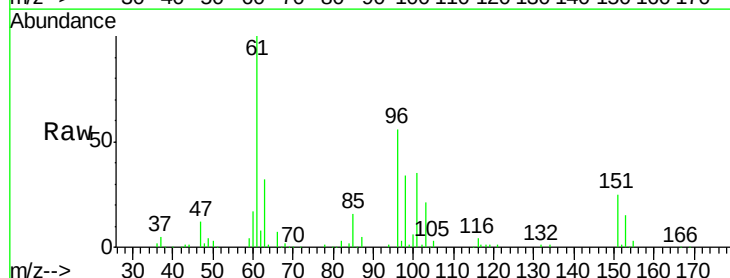
MMDadoda
9/23/2019 3:29:51 PM

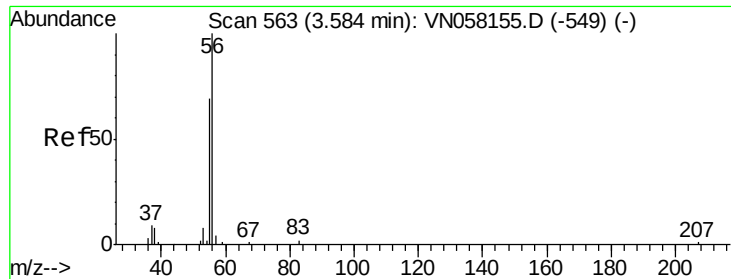


#12

1,1-Dichloroethene
Concen: 50.076 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	96	Resp	147152
Ion Ratio	100	Lower	Upper
61	177.1	149.5	224.3
98	61.0	52.4	78.6





#13

Acrolein

Concen: 393.107 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46231

Ion Ratio Lower Upper

56 100

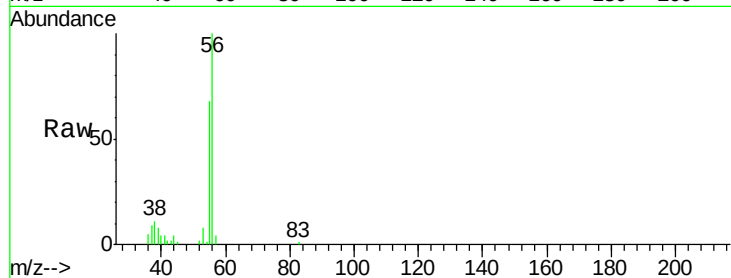
55 70.9 56.1 84.1

Manual Integrations

APPROVED

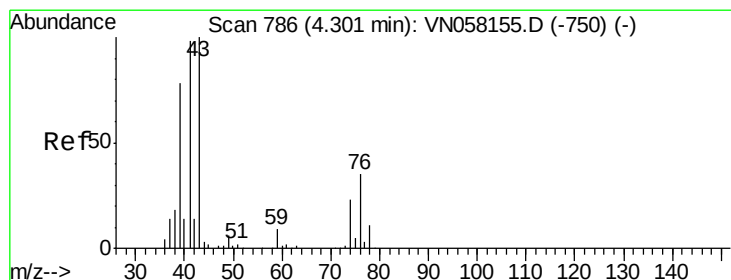
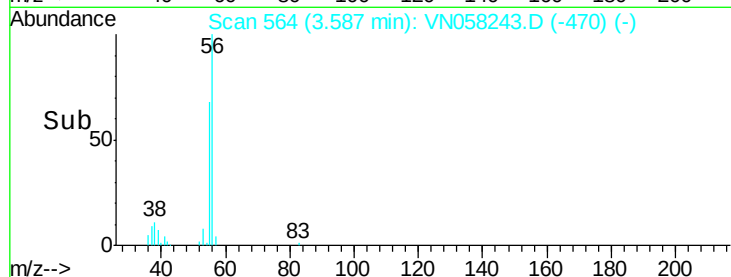
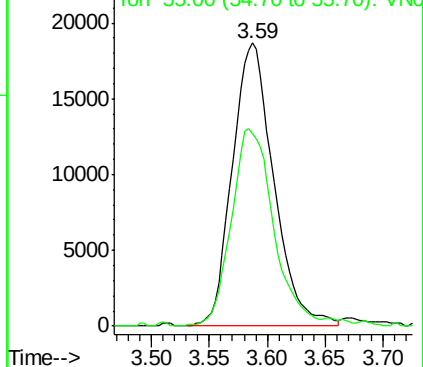
MMDadoda

9/23/2019 3:29:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.426 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

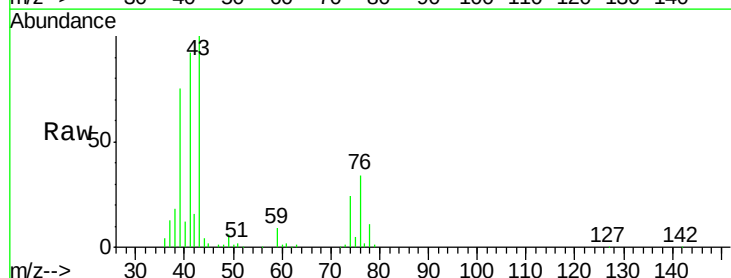
Tgt Ion: 41 Resp: 306843

Ion Ratio Lower Upper

41 100

39 75.1 59.1 88.7

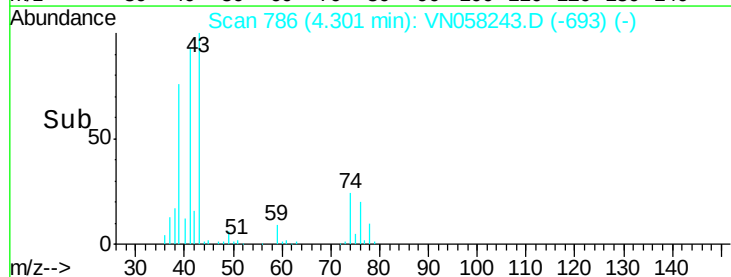
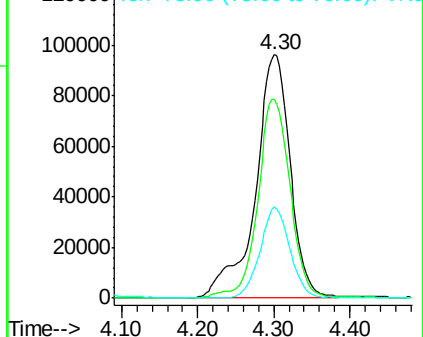
76 31.6 25.1 37.7

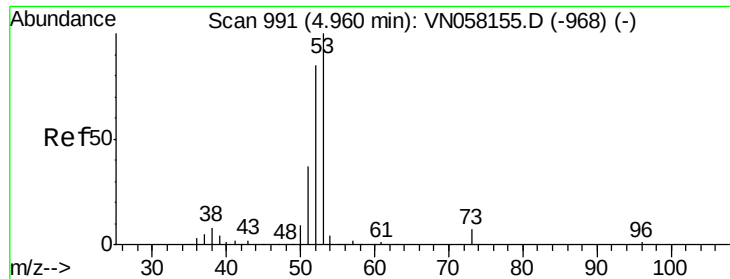


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 263.660 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

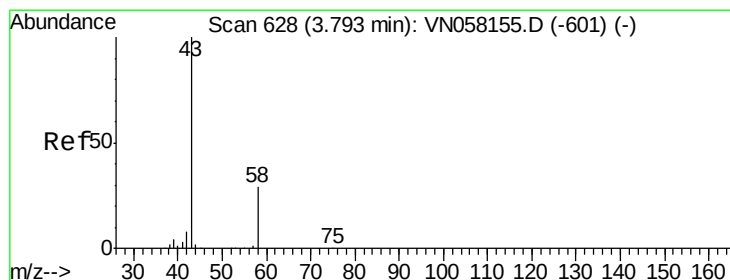
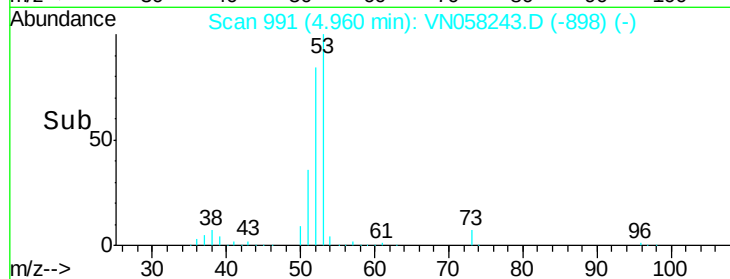
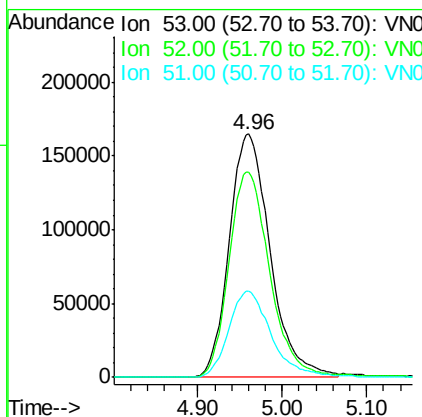
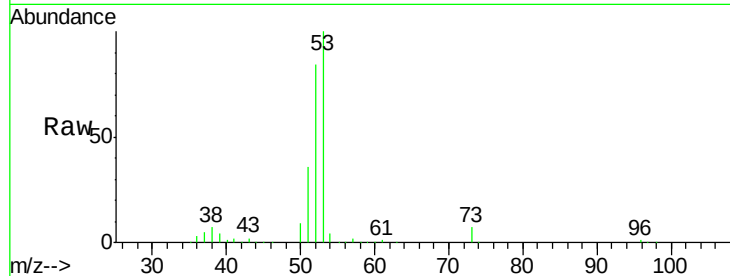
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	557456
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	100.0
51	37.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 235.227 ug/l

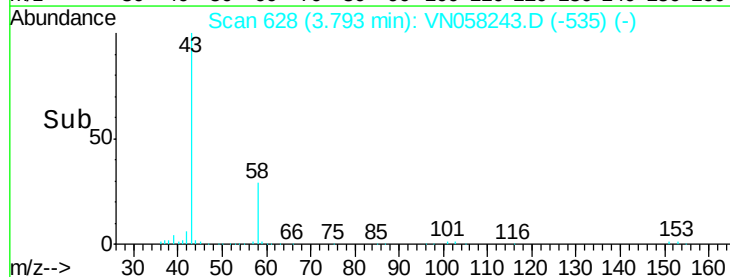
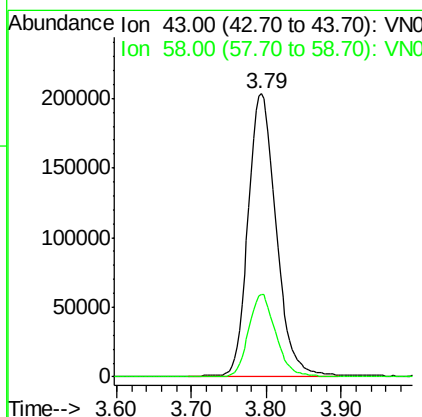
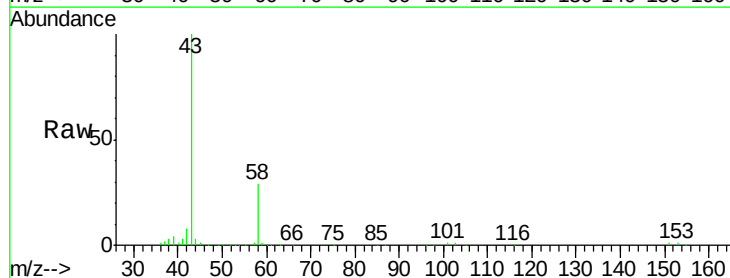
RT: 3.79 min Scan# 628

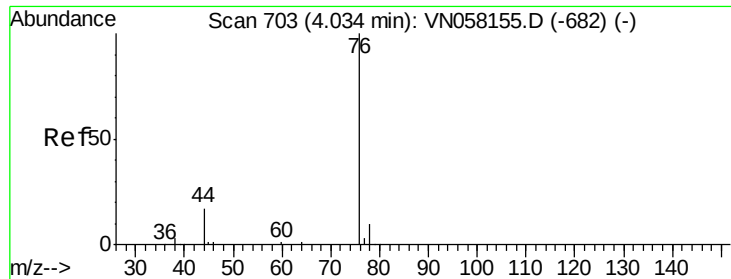
Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion:	43	Resp:	532674
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.2





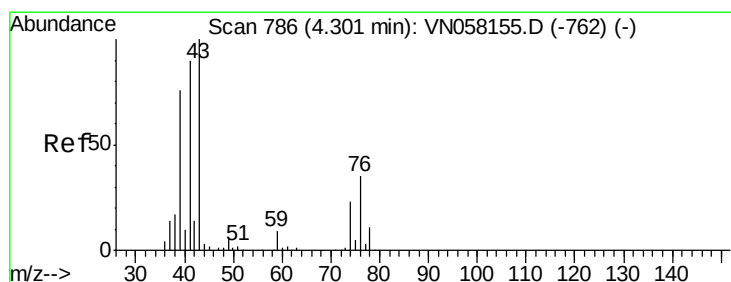
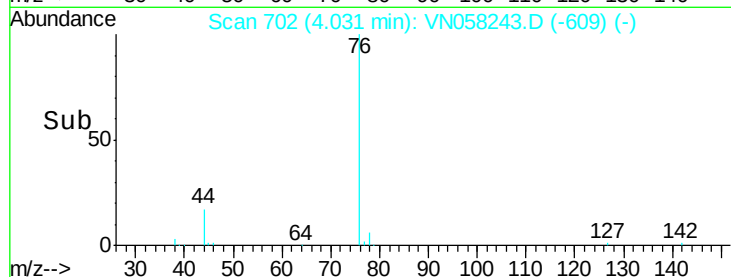
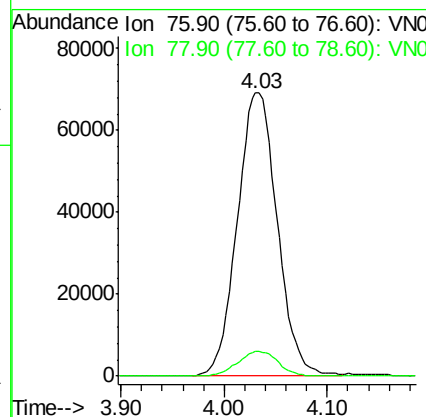
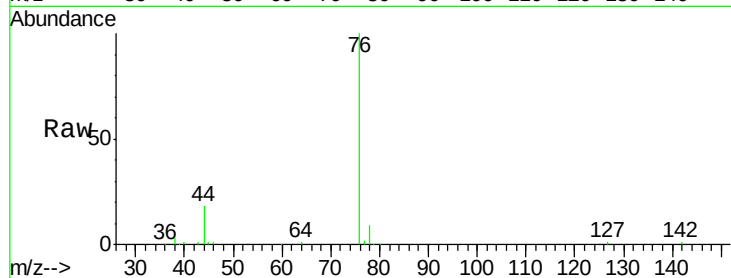
#17
Carbon Disulfide
Concen: 45.046 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

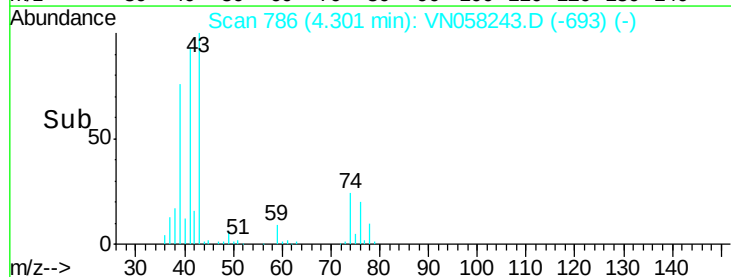
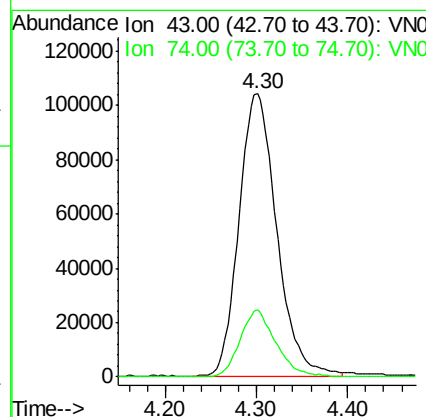
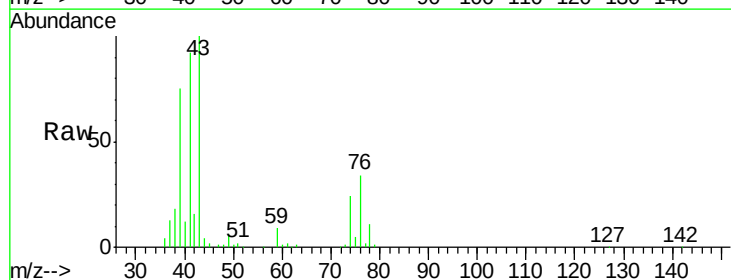
Manual Integrations
APPROVED

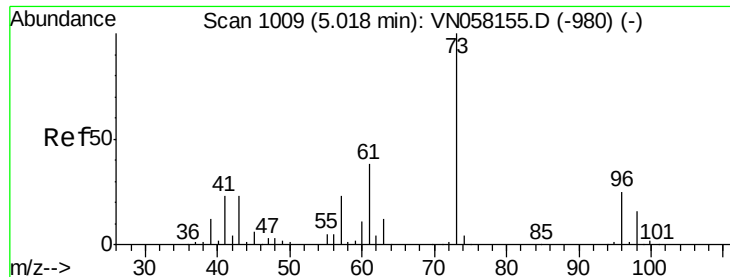
MMDadoda
9/23/2019 3:29:51 PM



#18
Methyl Acetate
Concen: 50.167 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





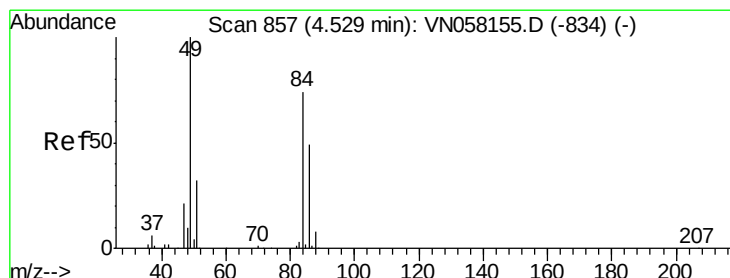
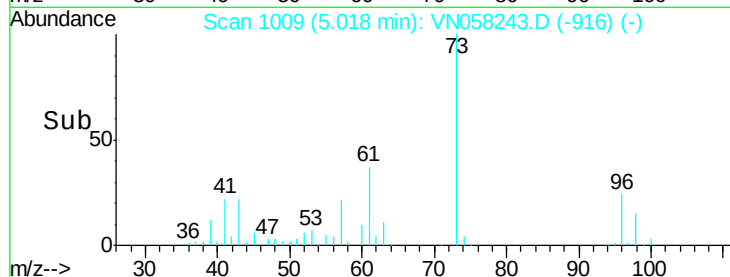
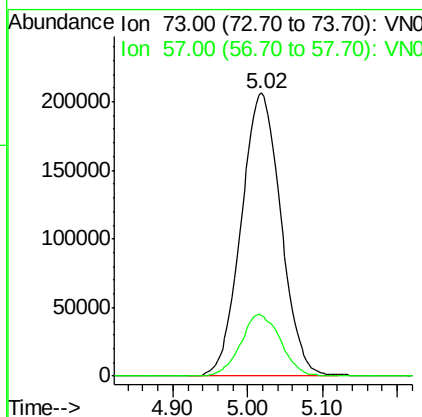
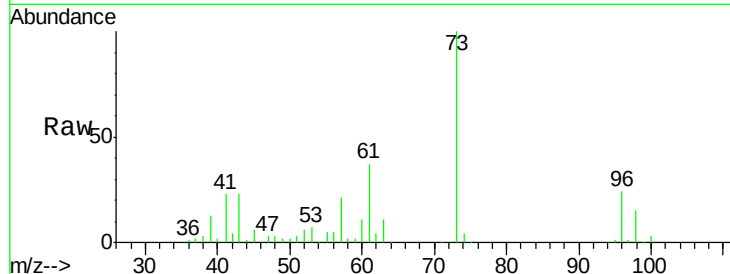
#19
Methyl tert-butyl Ether
Concen: 52.130 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 761355
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

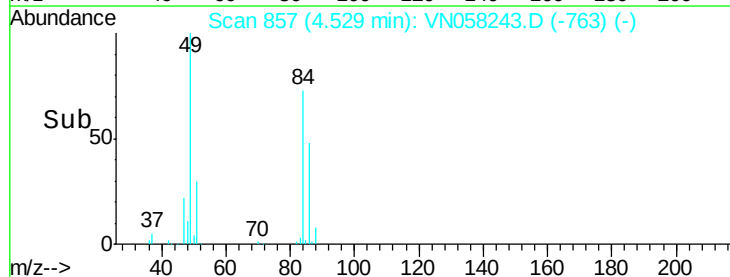
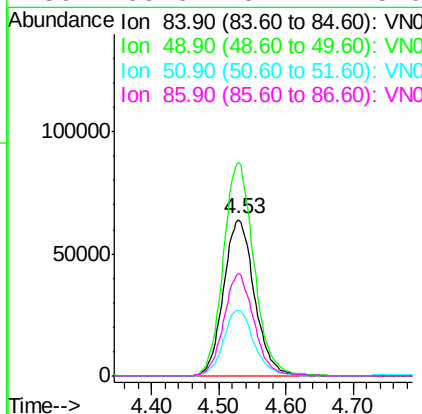
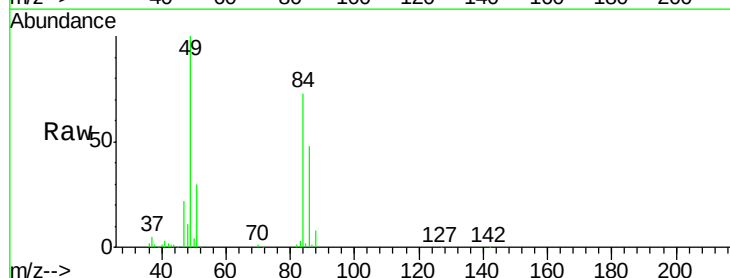
Manual Integrations
APPROVED

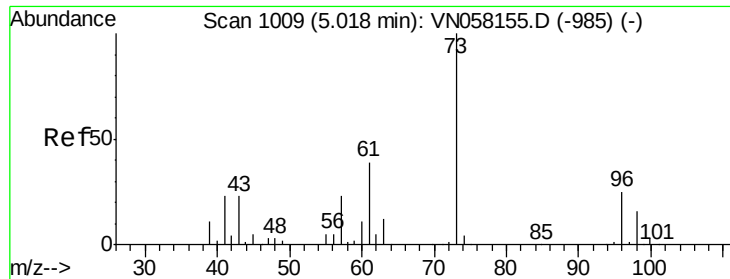
MMDadoda
9/23/2019 3:29:51 PM



#20
Methylene Chloride
Concen: 51.606 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 84 Resp: 204574
Ion Ratio Lower Upper
84 100
49 136.5 107.5 161.3
51 41.6 33.9 50.9
86 65.6 52.4 78.6





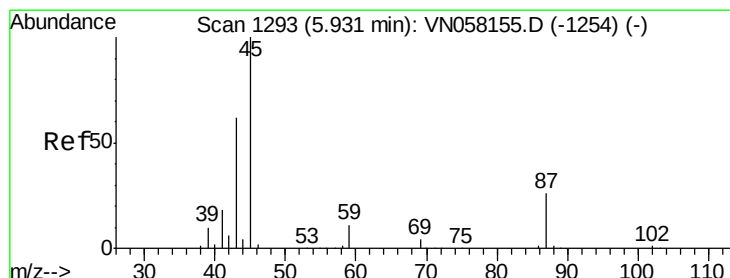
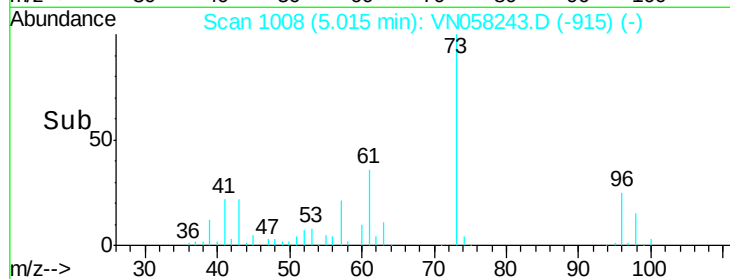
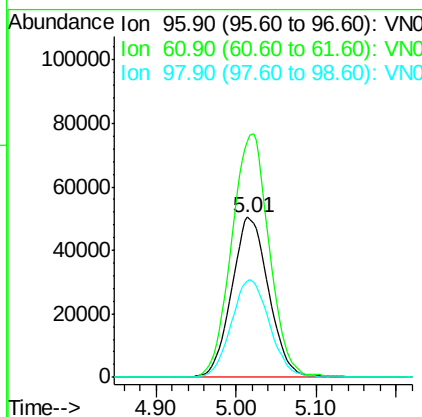
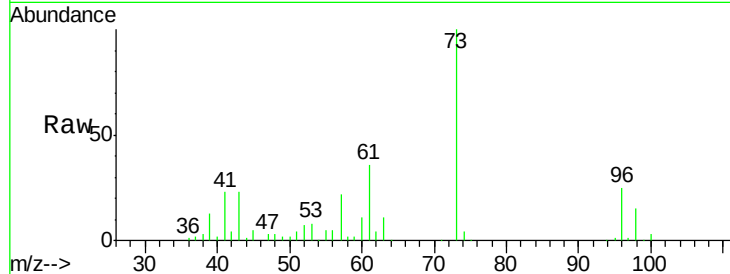
#21
trans-1,2-Dichloroethene
Concen: 49.454 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	122.2	183.4
98	60.4	49.9	74.9

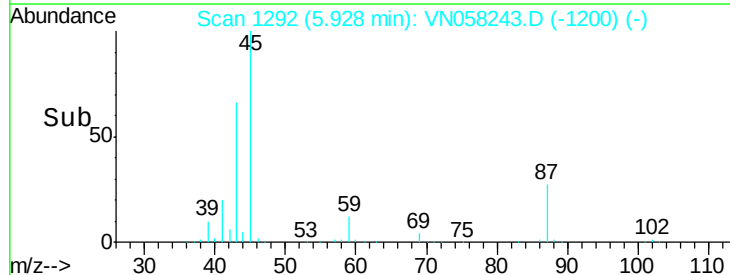
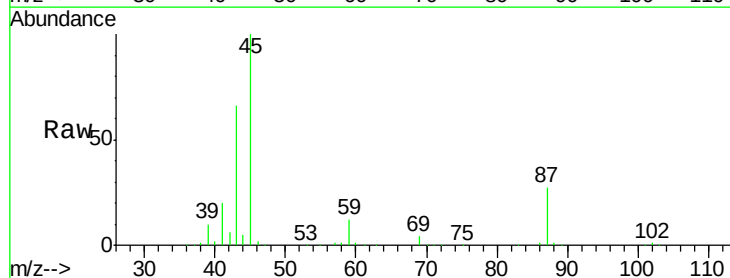
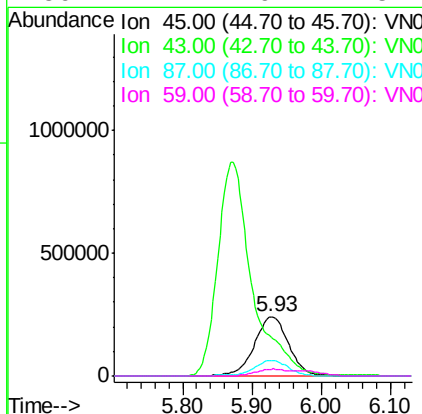
Manual Integrations
APPROVED

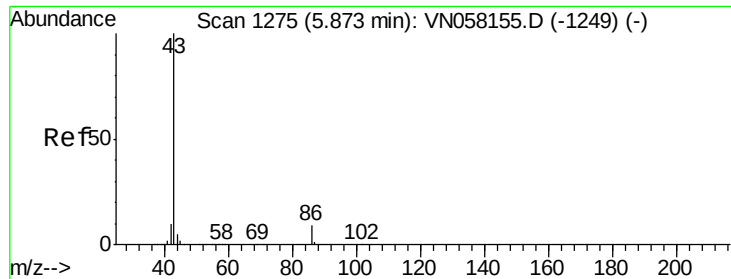
MMDadoda
9/23/2019 3:29:51 PM



#22
Diisopropyl ether
Concen: 51.288 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	49.7	74.5
87	26.5	20.7	31.1
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 274.174 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3019598

Ion Ratio Lower Upper

43 100

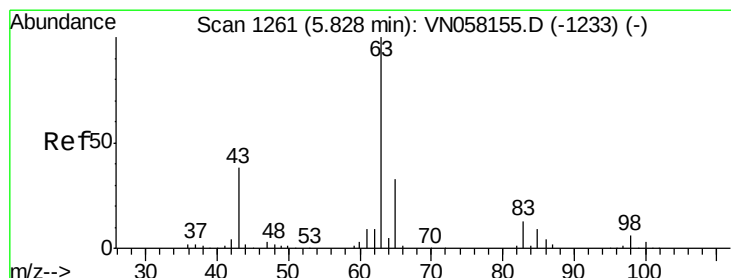
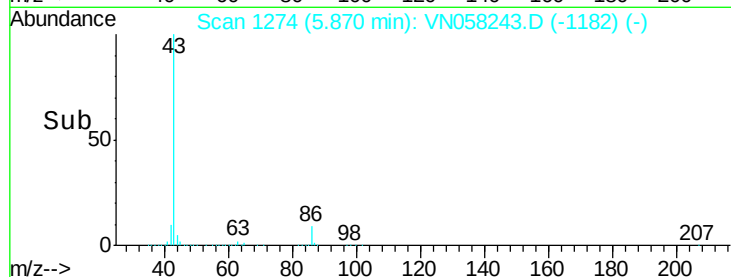
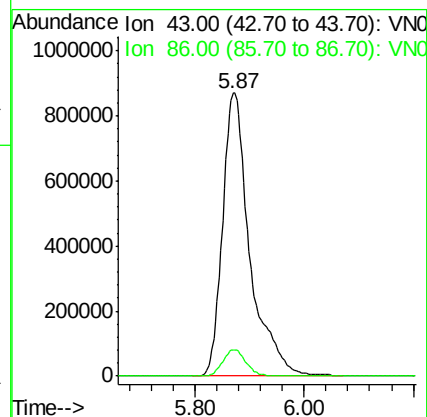
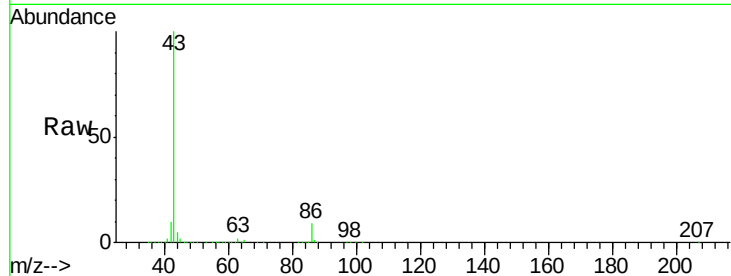
86 9.3 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:29:51 PM



#24

1,1-Dichloroethane

Concen: 50.036 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

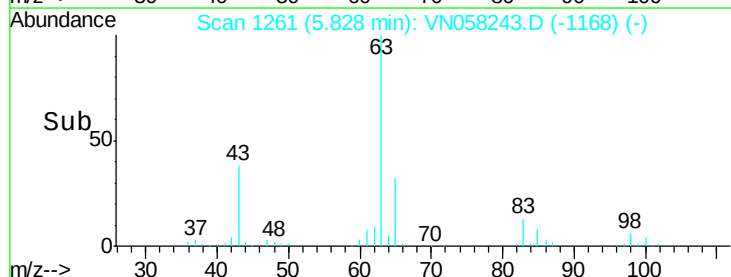
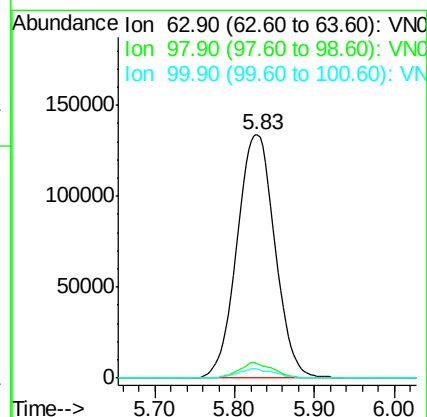
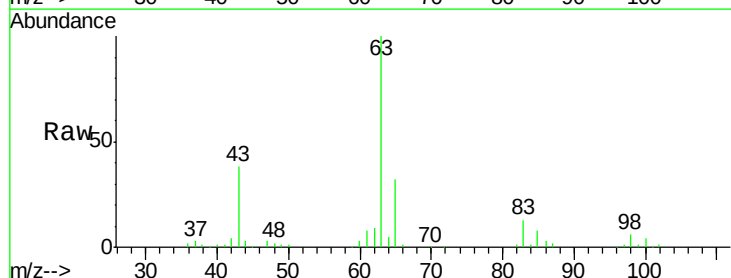
Tgt Ion: 63 Resp: 429831

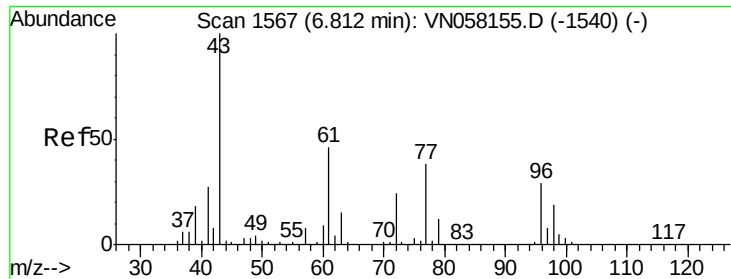
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 261.136 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 805638

Ion Ratio Lower Upper

43 100

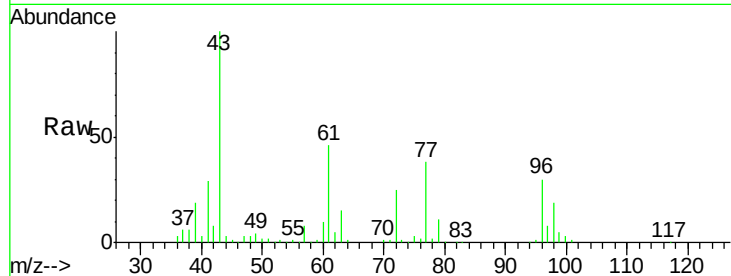
72 24.9 19.5 29.3

Manual Integrations

APPROVED

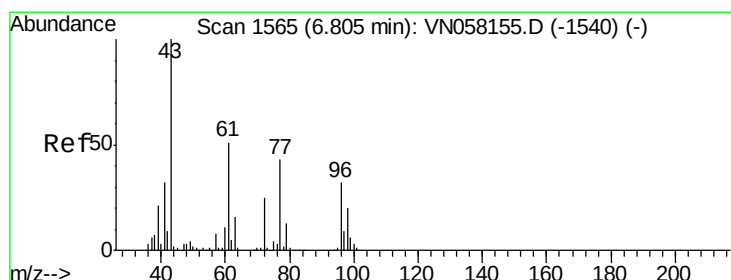
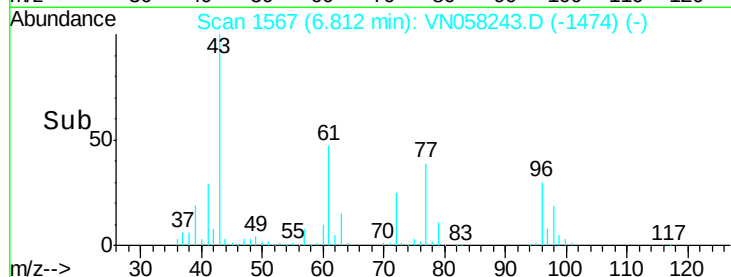
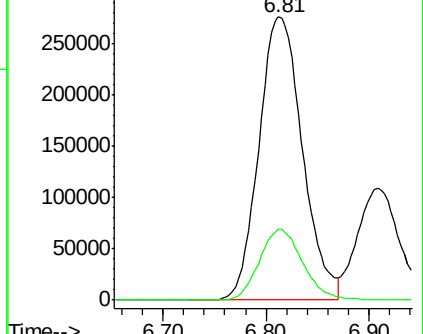
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.107 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058243.D

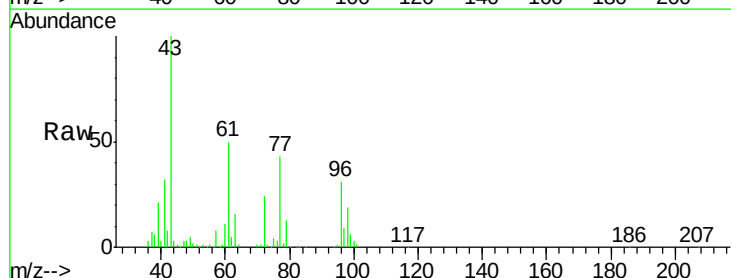
Acq: 20 Sep 2019 12:26

Tgt Ion: 77 Resp: 357881

Ion Ratio Lower Upper

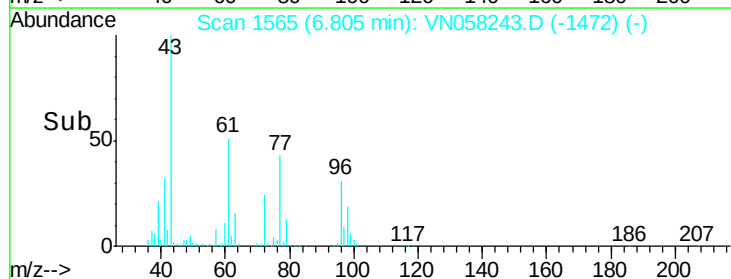
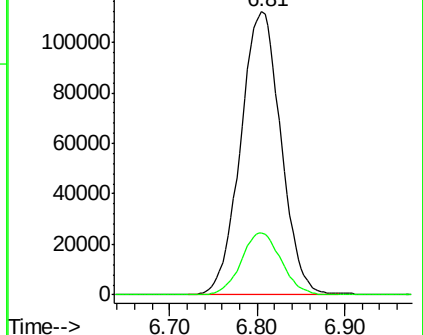
77 100

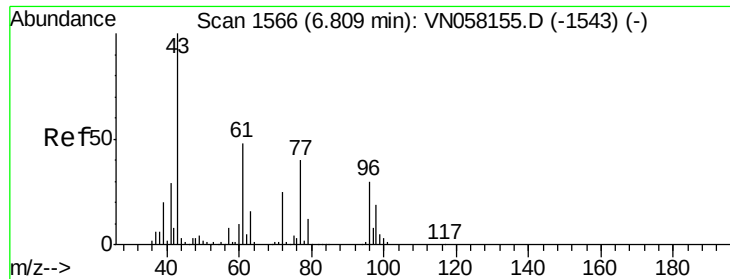
97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.441 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

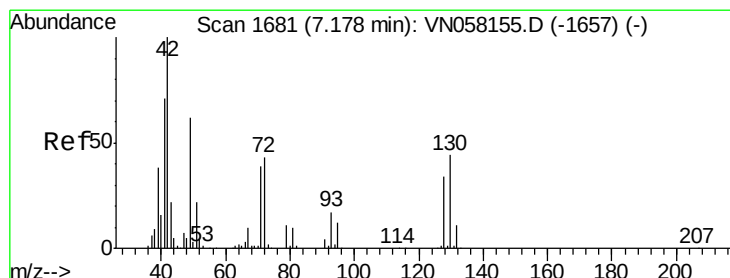
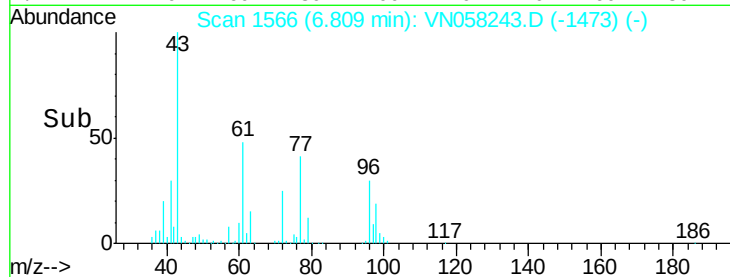
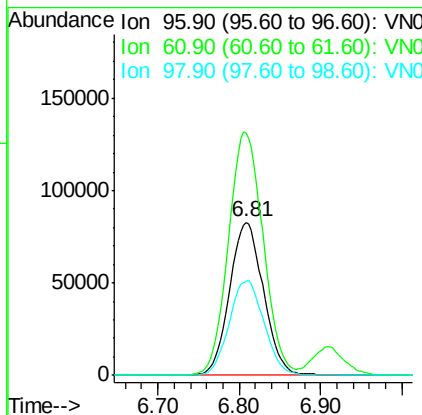
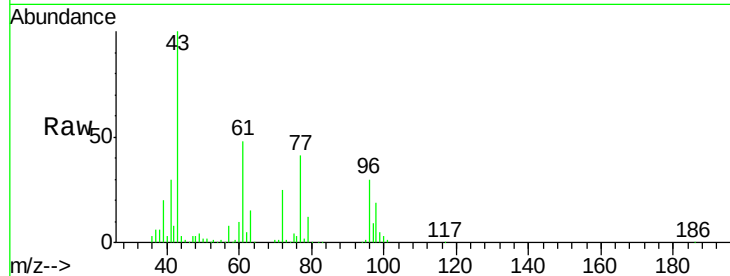
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240150
Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	319.0
98	63.5	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 53.605 ug/l

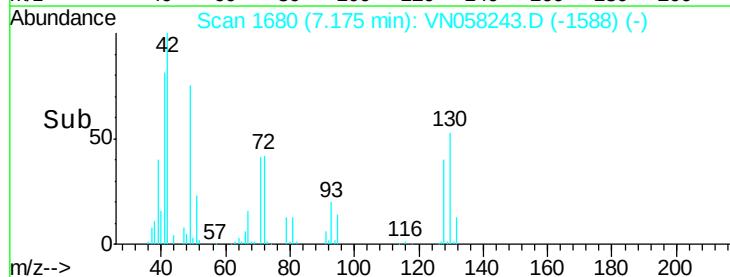
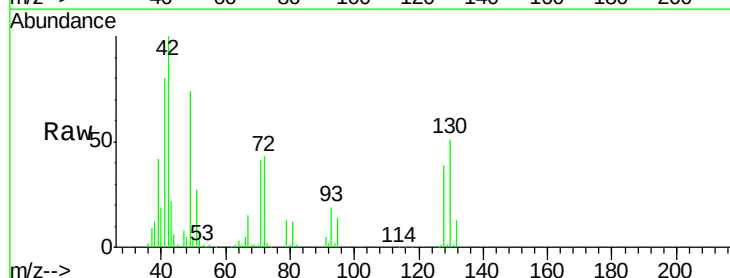
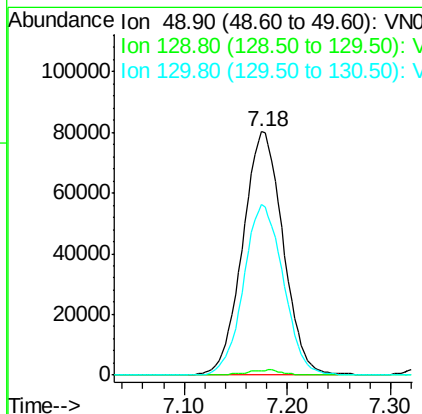
RT: 7.18 min Scan# 1680

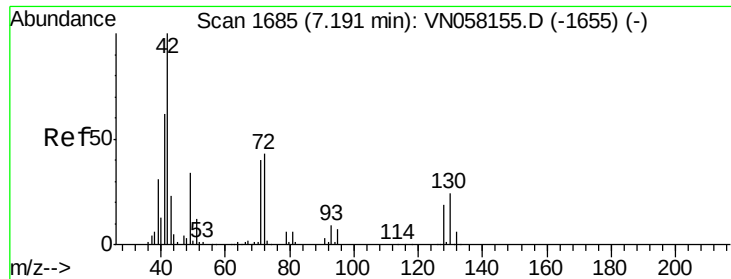
Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion:	49	Resp:	217842
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	69.0	55.4	83.2





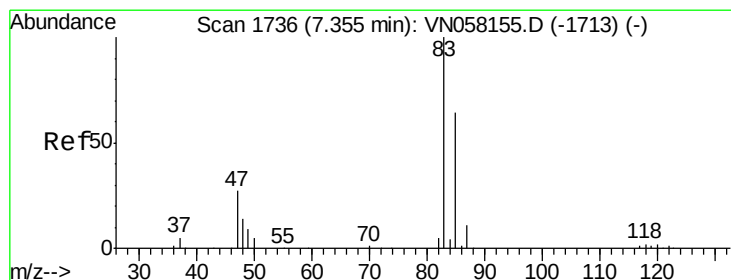
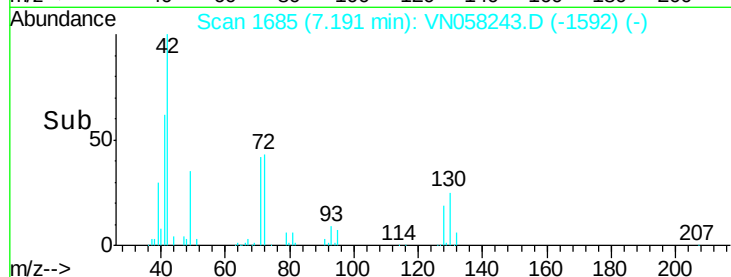
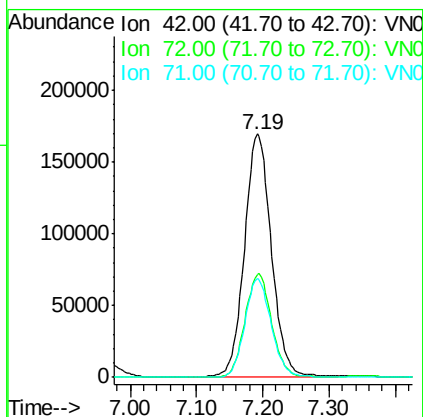
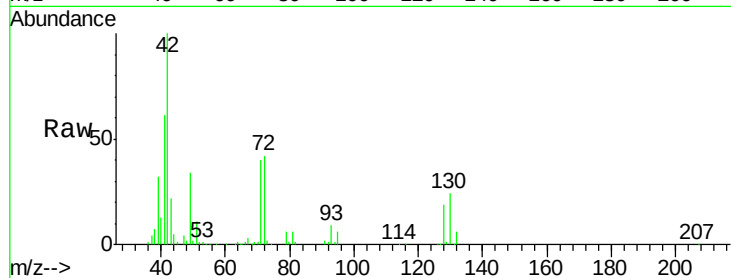
#29
Tetrahydrofuran
Concen: 251.071 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.9	31.4	47.0

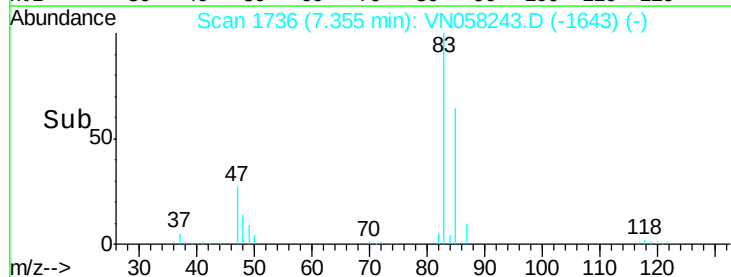
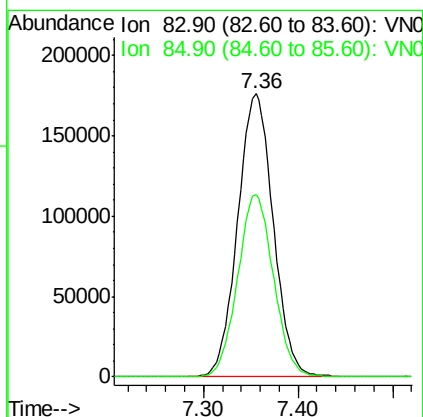
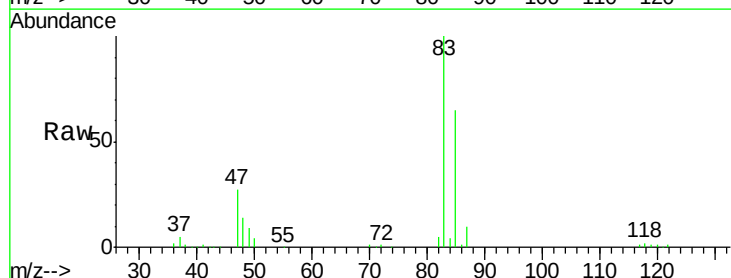
Manual Integrations
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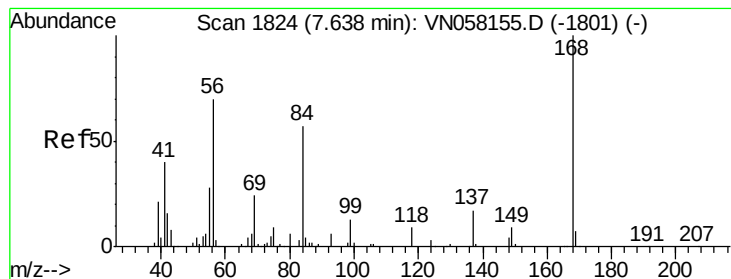
MMDadoda
9/23/2019 3:29:51 PM



#30
Chloroform
Concen: 49.758 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31

Cyclohexane

Concen: 49.889 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

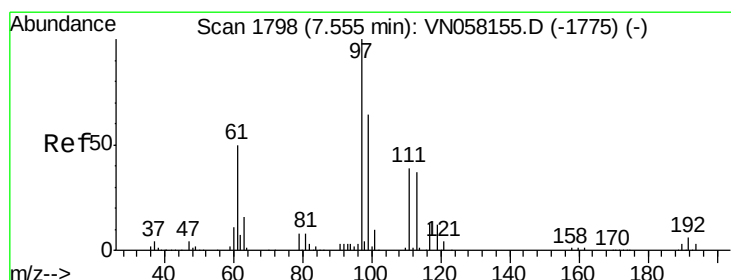
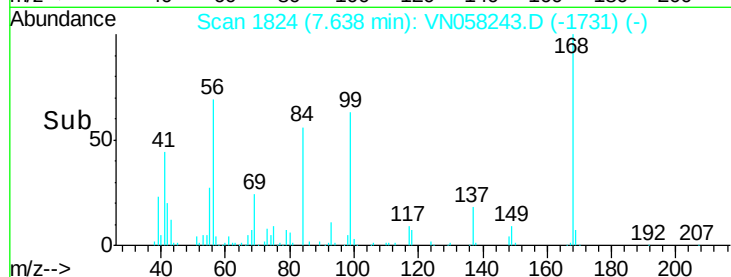
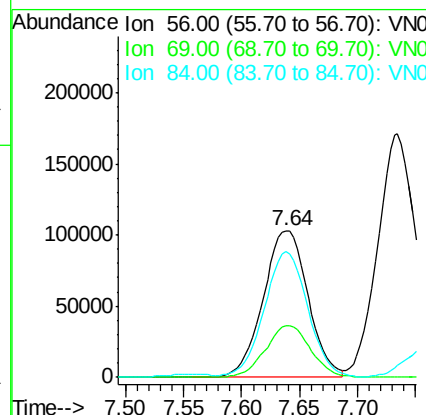
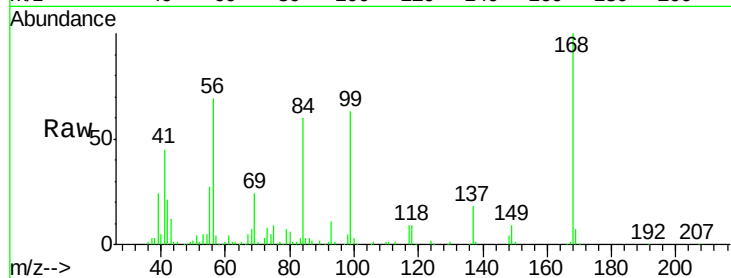
VSTDCCC050

Tot Ion: 56 Resp: 277058

Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.3	40.9
84	83.9	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.658 ug/l

RT: 7.55 min Scan# 1798

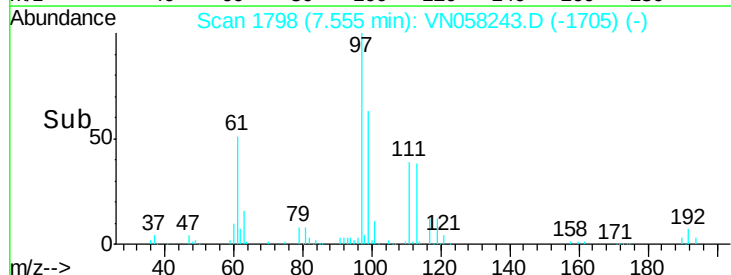
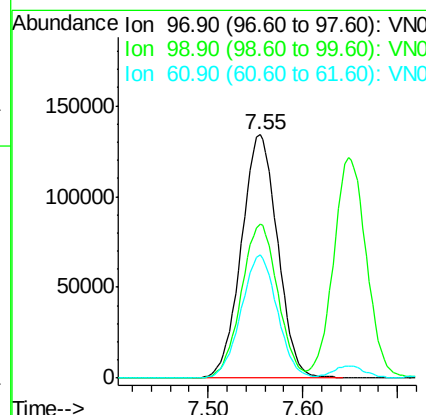
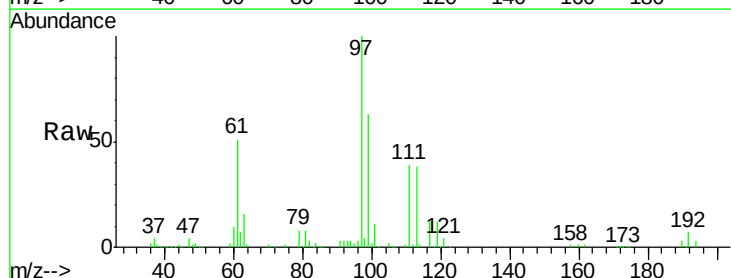
Delta R.T. 0.00 min

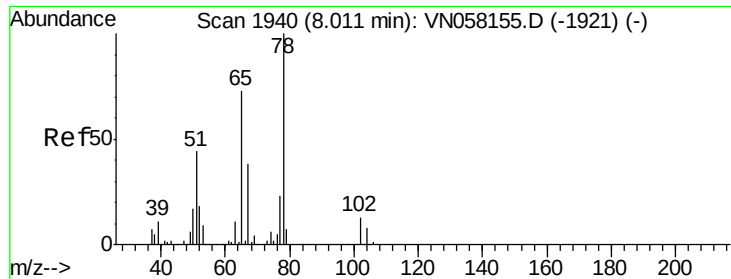
Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion: 97 Resp: 356601

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	50.5	39.2	58.8





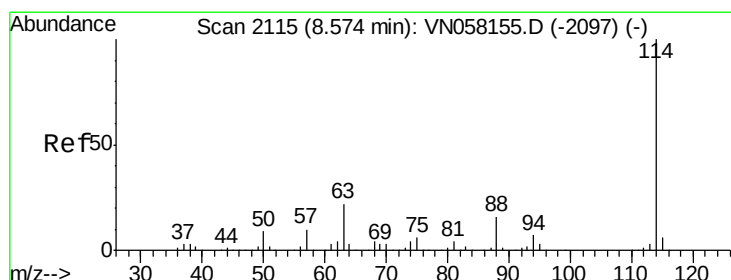
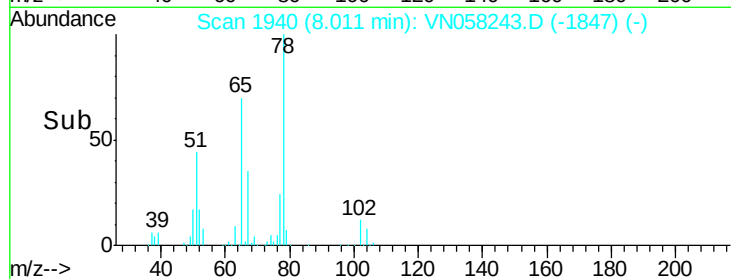
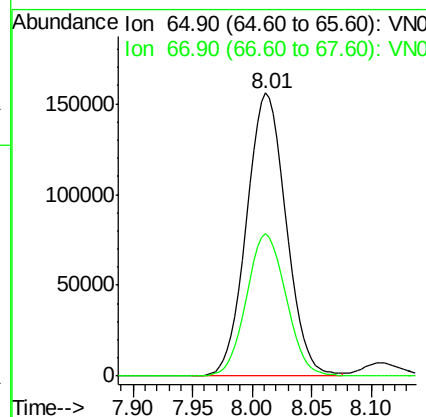
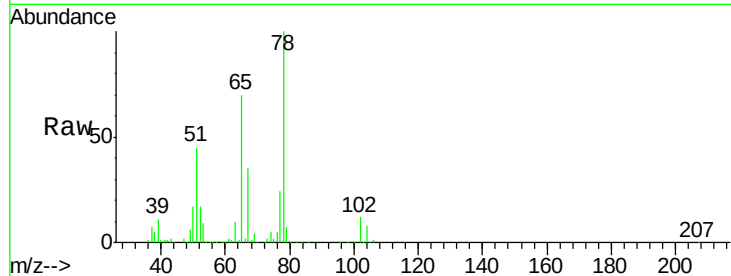
#33
 1,2-Dichloroethane-d4
 Concen: 53.965 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360019		
67	50.3	0.0	103.4	

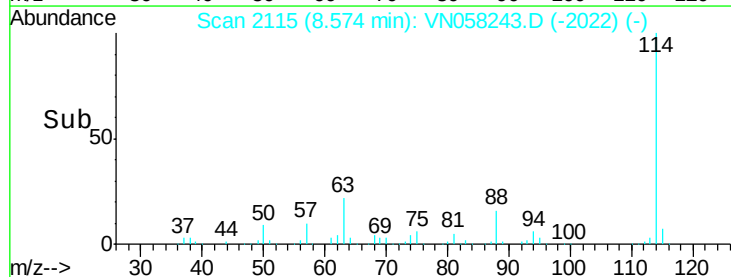
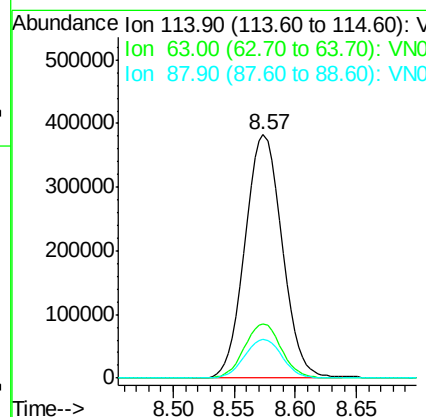
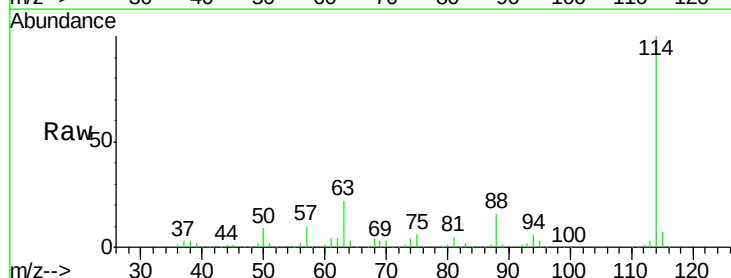
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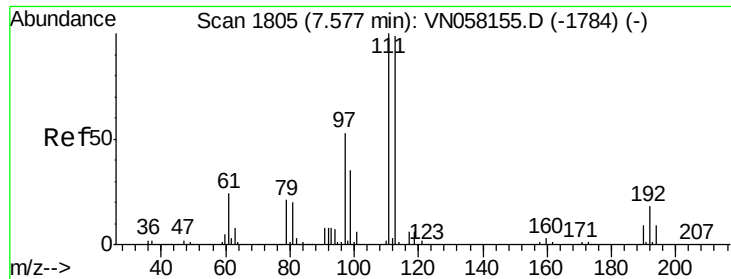
MMDadoda
 9/23/2019 3:29:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	806513		
63	22.4	0.0	44.2	
88	15.9	0.0	31.6	





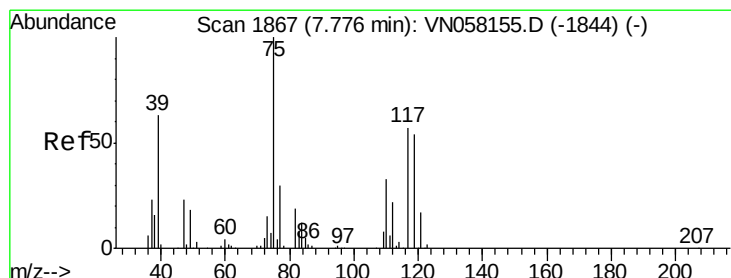
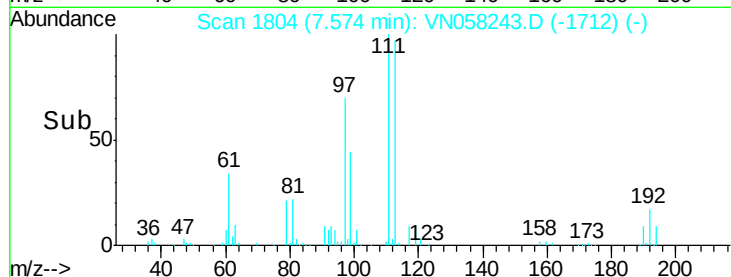
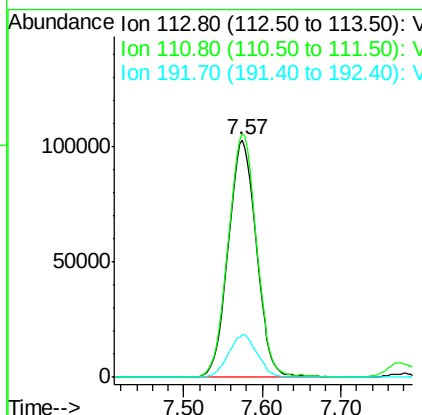
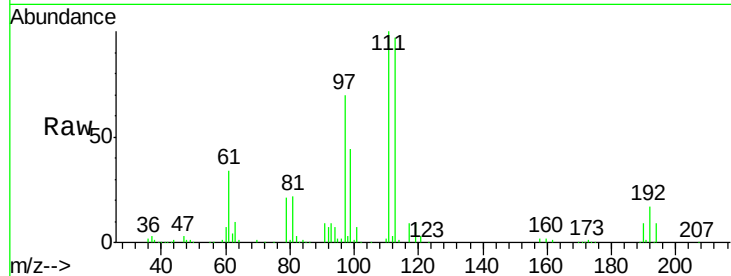
#35
 Dibromofluoromethane
 Concen: 52.151 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255693		
111	103.3	81.8	122.6	
192	18.3	14.5	21.7	

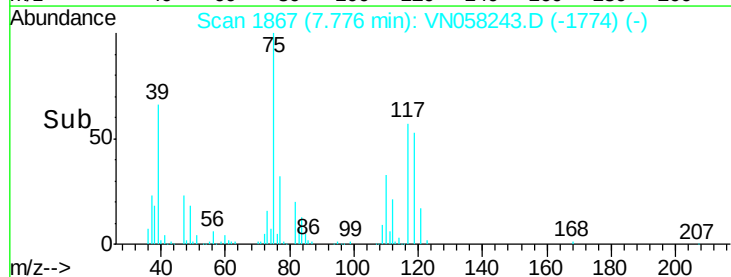
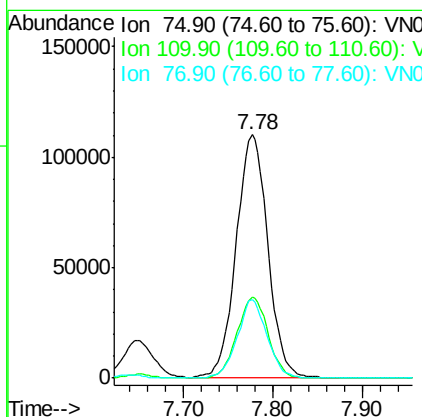
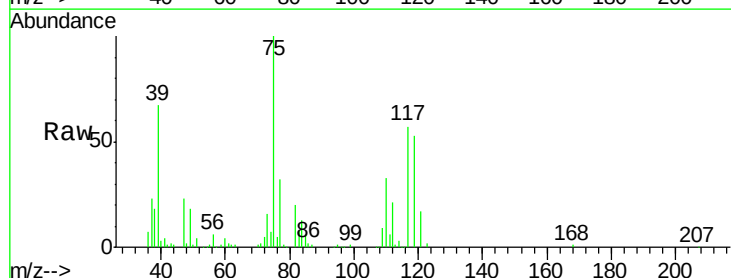
Manual Integrations
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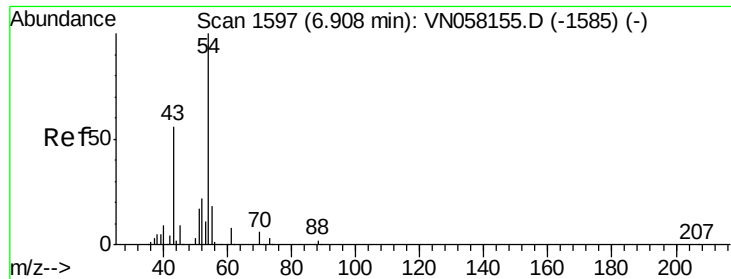
MMDadoda
 9/23/2019 3:29:51 PM



#36
 1,1-Dichloropropene
 Concen: 46.483 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	270351		
110	32.9	16.6	49.7	
77	30.6	24.3	36.5	





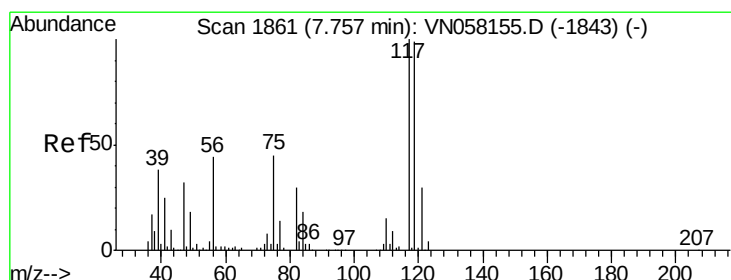
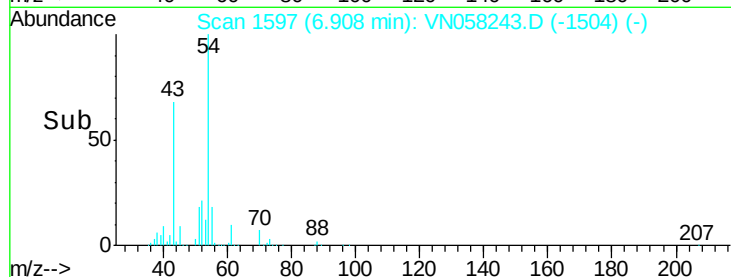
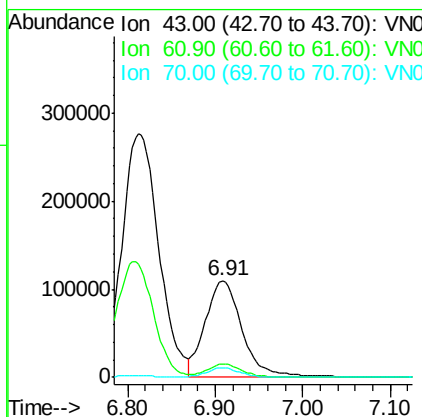
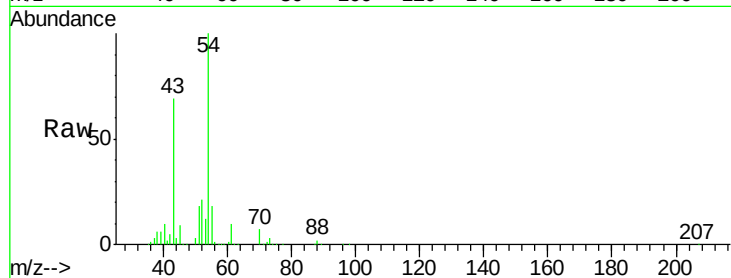
#37
Ethyl Acetate
Concen: 52.224 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	10.7	16.1	
70	9.2	7.6	11.4	

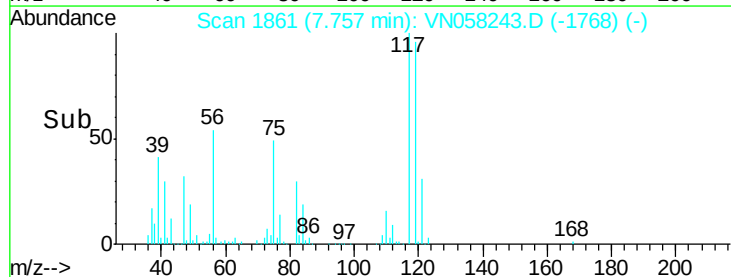
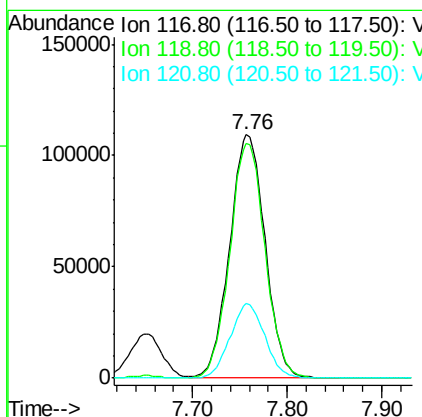
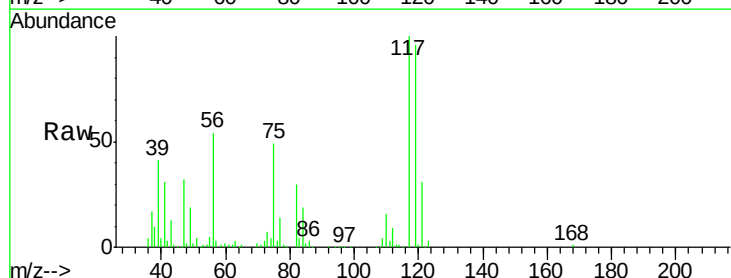
Manual Integrations
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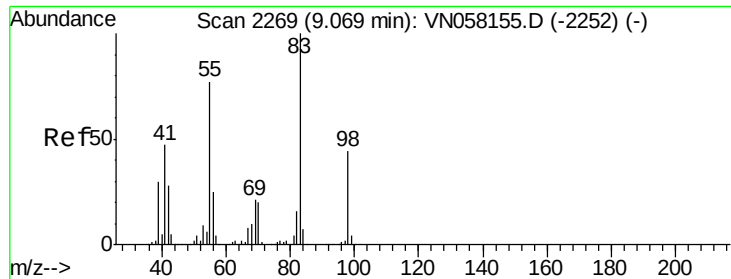
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.469 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.1	78.6	117.8	
121	30.7	24.1	36.1	





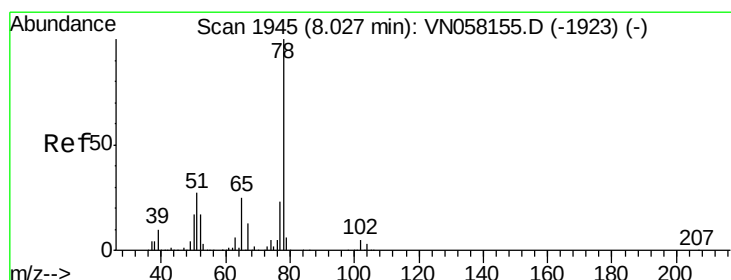
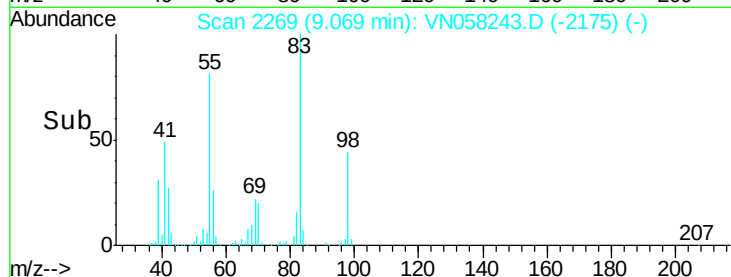
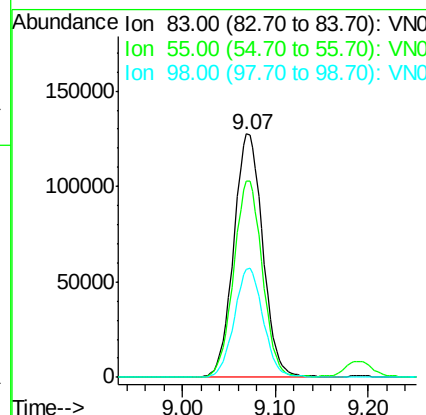
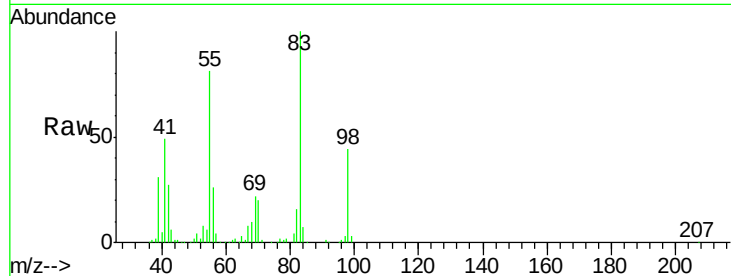
#39
Methylvlcyclohexane
Concen: 49.353 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277531		
55	80.6		61.9	92.9
98	44.5		35.4	53.2

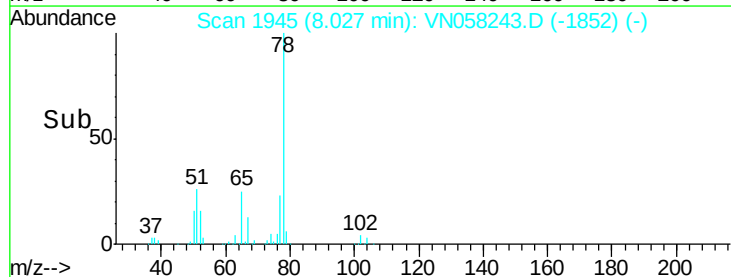
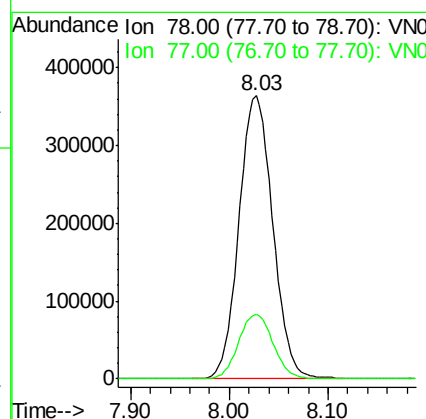
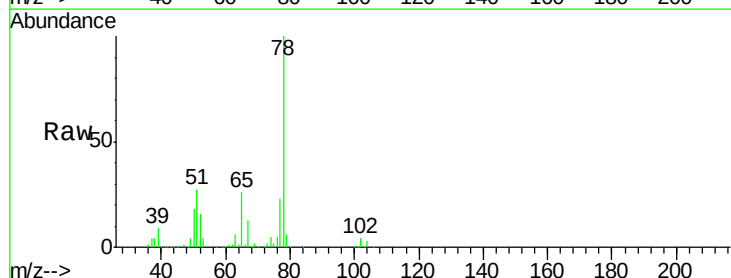
Manual Integrations
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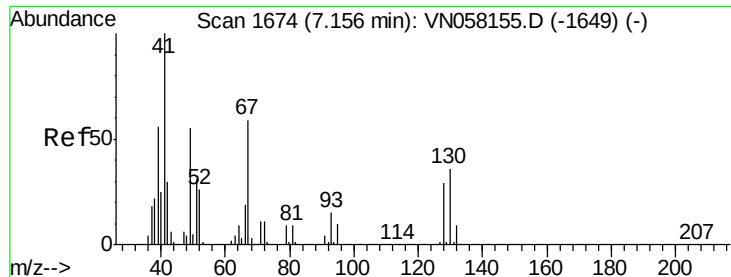
MMDadoda
9/23/2019 3:29:51 PM



#40
Benzene
Concen: 48.719 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	865476		
77	22.8		18.8	28.2





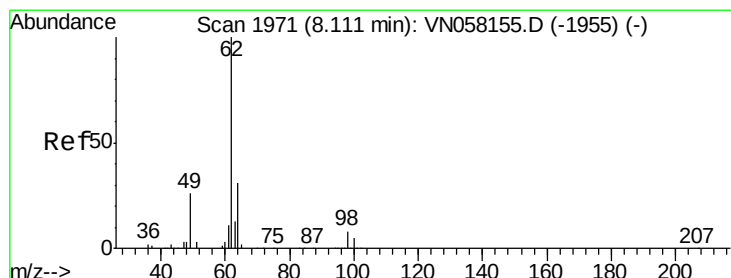
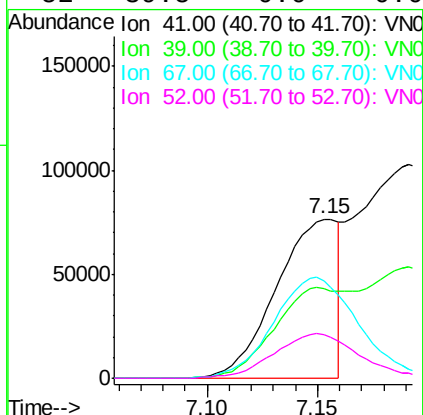
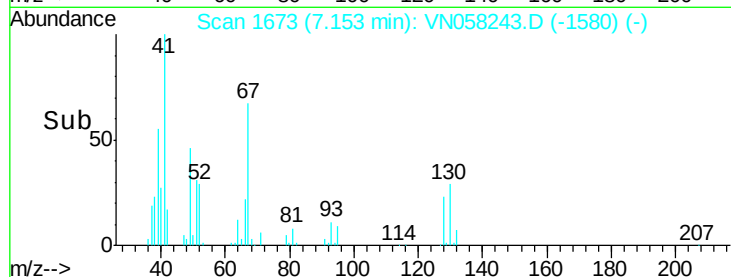
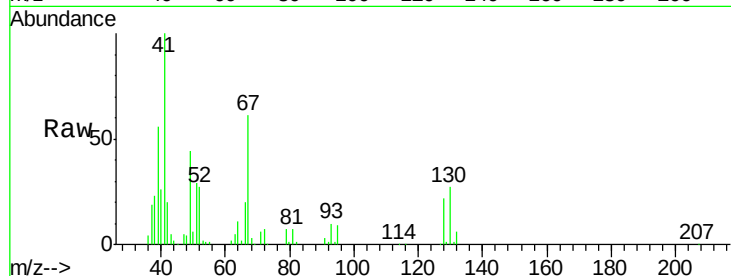
#41
Methacrylonitrile
Concen: 48.798 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	58.0	0.0	0.0#		
67	88.3	0.0	0.0#		
52	39.5	0.0	0.0#		

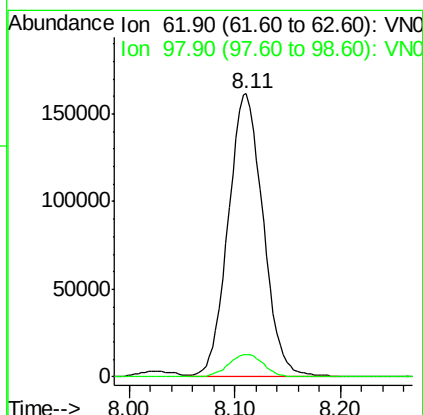
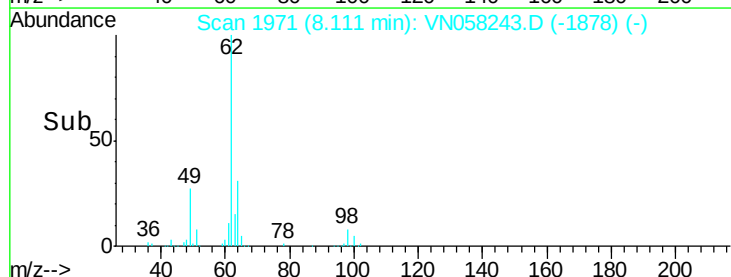
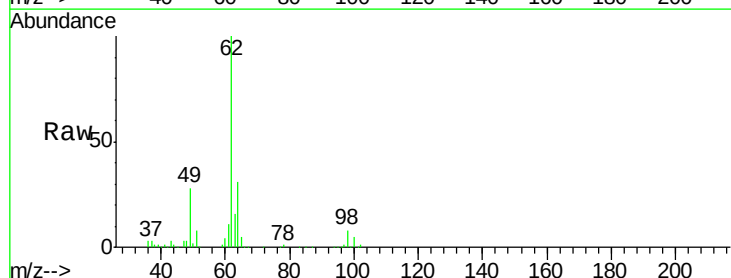
Manual Integrations
APPROVED

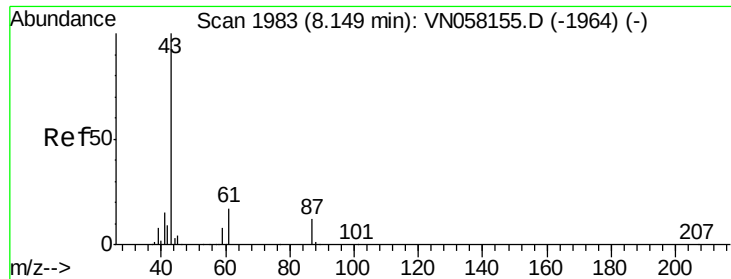
MMDadoda
9/23/2019 3:29:51 PM



#42
1,2-Dichloroethane
Concen: 49.535 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.0	0.0	15.6		





#43

Isopropyl Acetate

Concen: 49.468 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

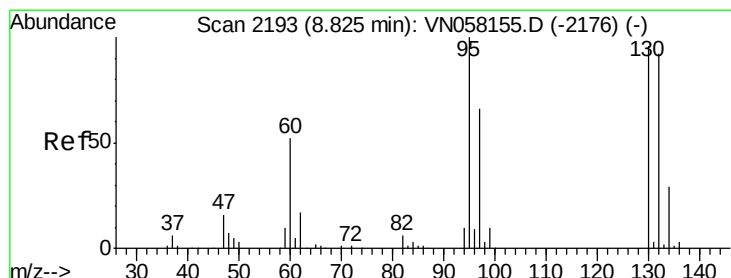
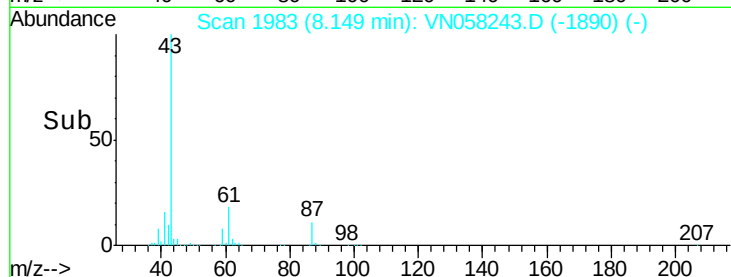
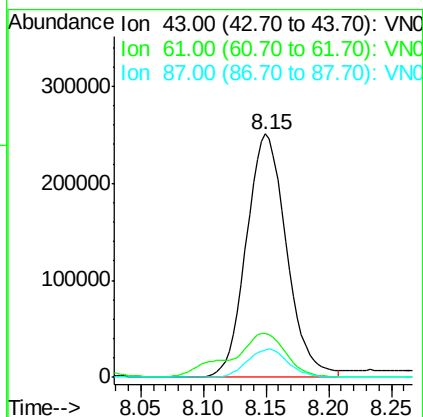
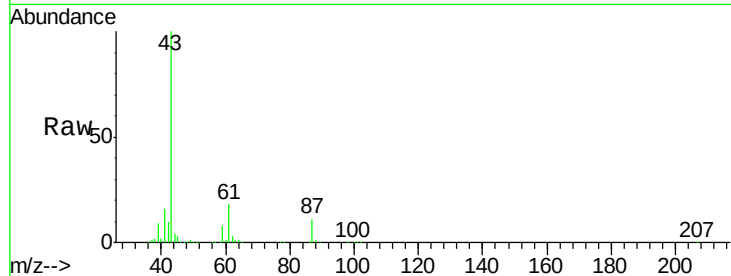
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	557639
Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.7	29.5
87	11.8	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 48.625 ug/l

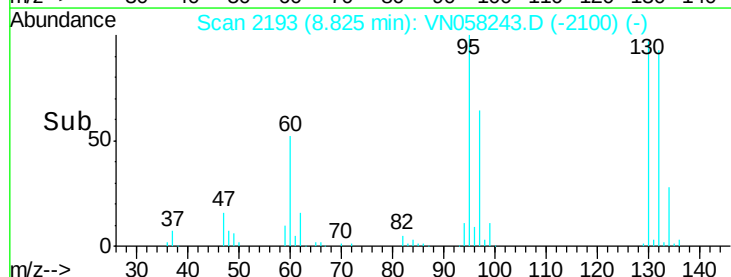
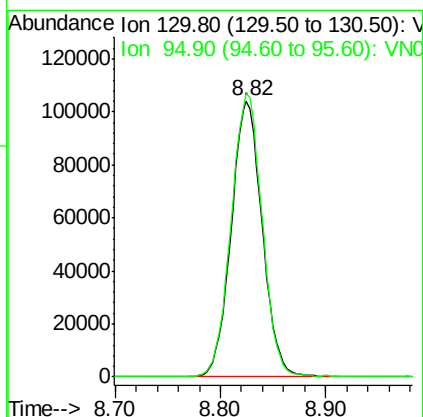
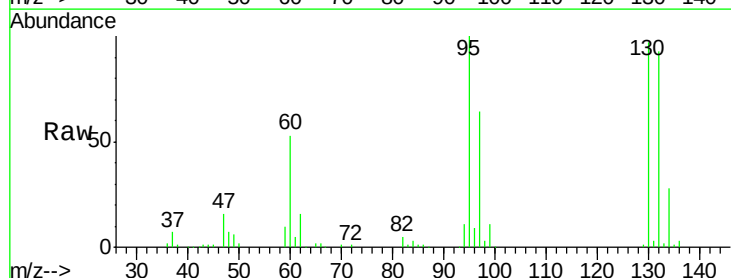
RT: 8.82 min Scan# 2193

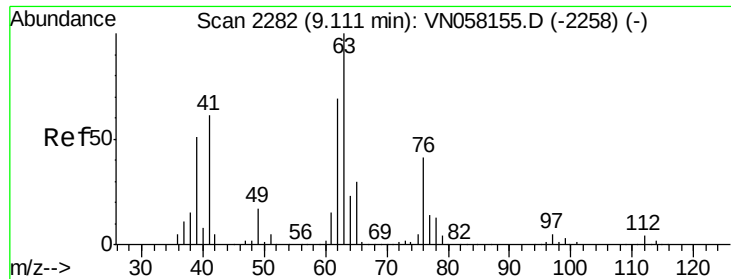
Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion:	130	Resp:	211382
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	207.8





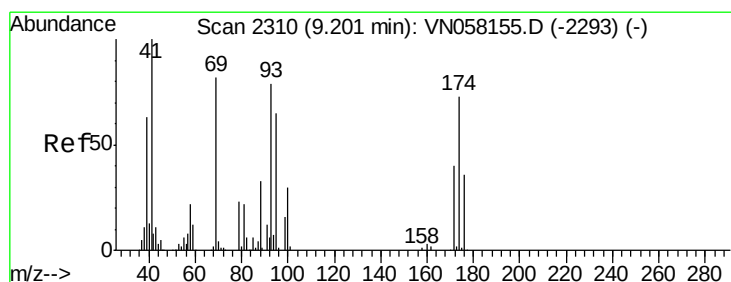
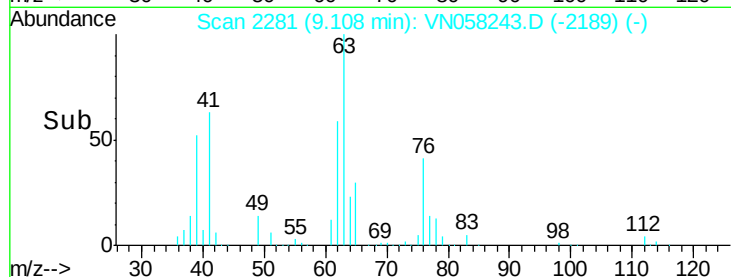
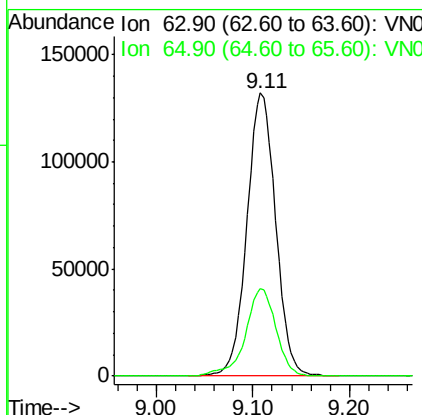
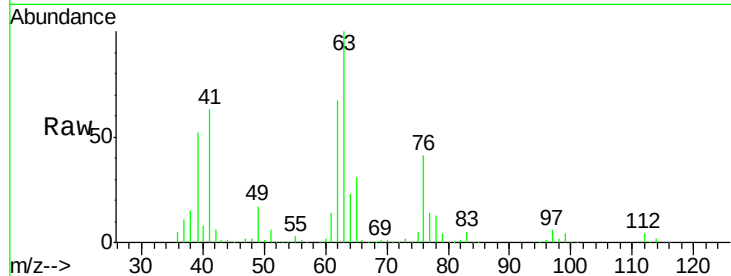
#45
 1,2-Dichloropropane
 Concen: 51.469 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 273052
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6

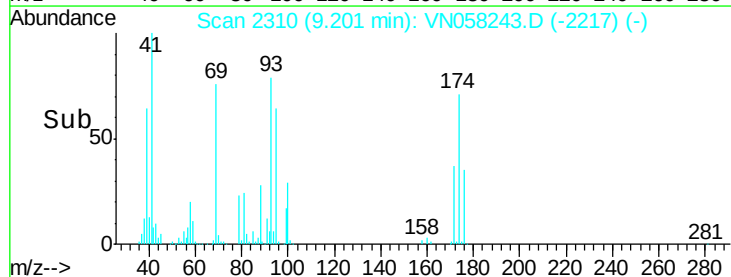
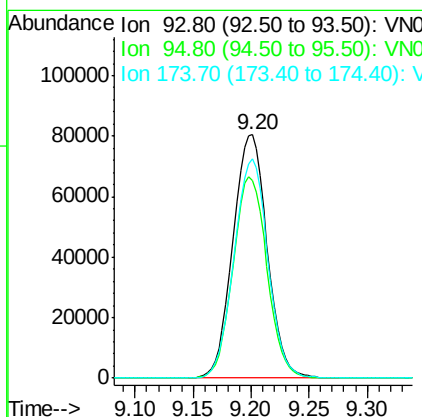
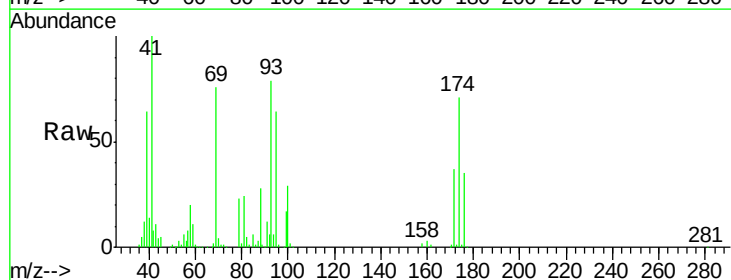
Manual Integrations
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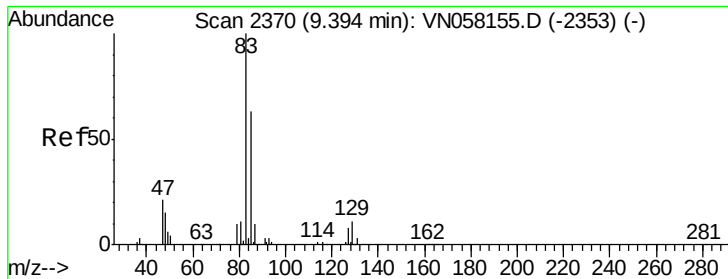
MMDadoda
 9/23/2019 3:29:51 PM



#46
 Dibromomethane
 Concen: 51.069 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 93 Resp: 164721
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.8 100.2
 174 89.3 73.8 110.8





#47

Bromodichloromethane

Concen: 52.637 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

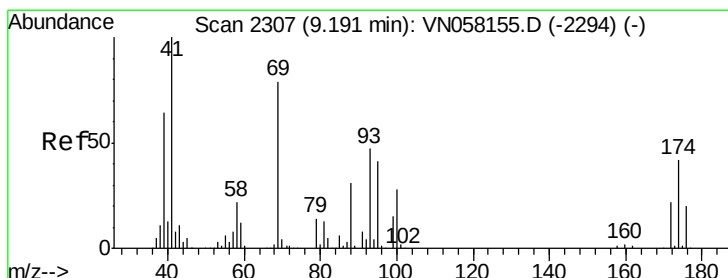
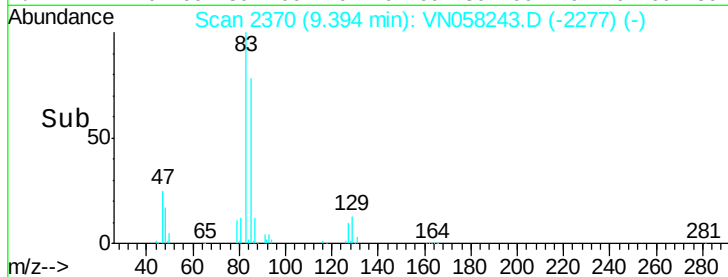
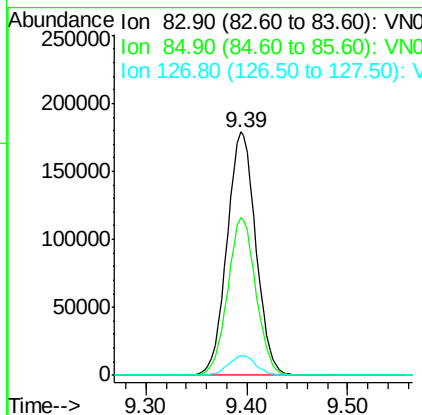
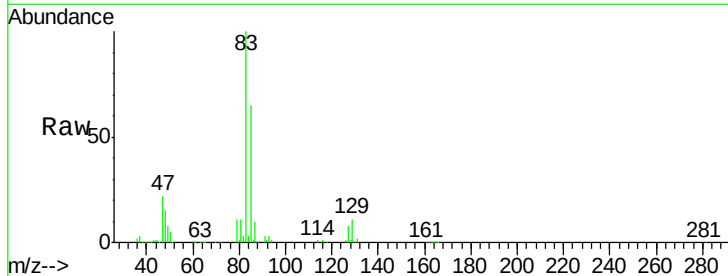
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	355677
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.1	75.1
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.528 ug/l

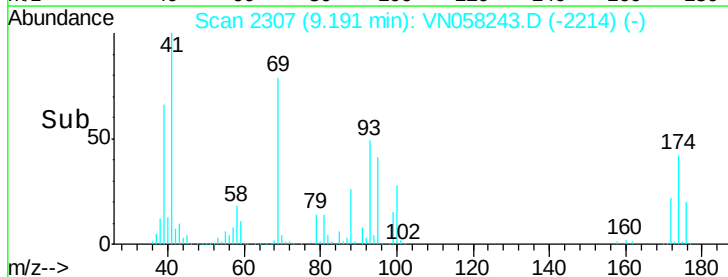
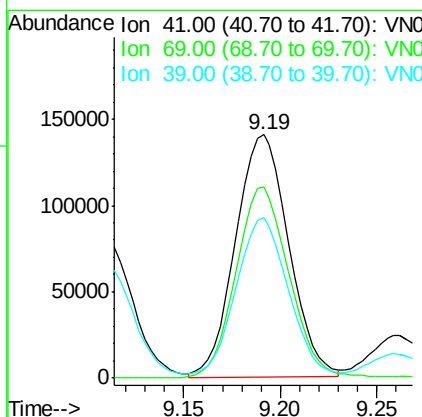
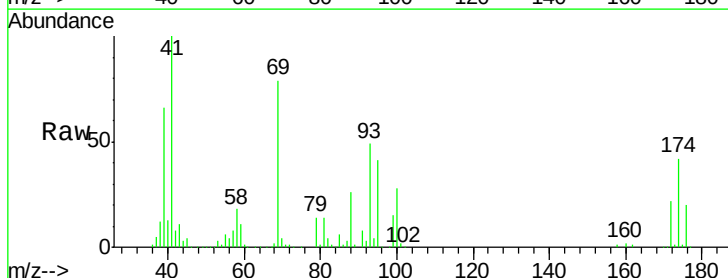
RT: 9.19 min Scan# 2307

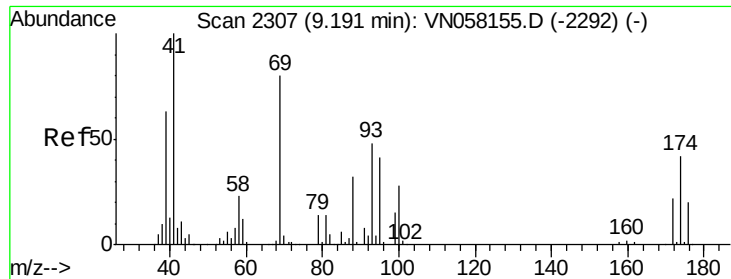
Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion:	41	Resp:	268851
Ion	Ratio	Lower	Upper
41	100		
69	79.6	62.5	93.7
39	65.5	52.3	78.5





#49

1,4-Dioxane

Concen: 887.931 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 74615

Ion Ratio Lower Upper

88 100

43 38.2 27.8 41.8

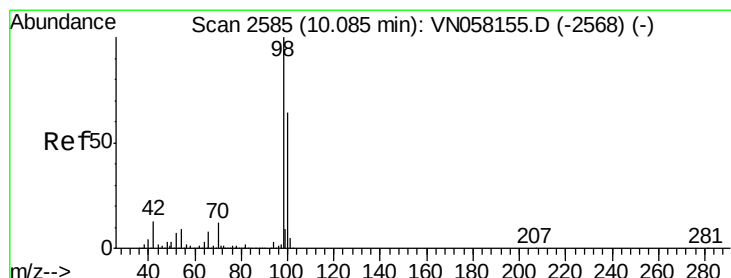
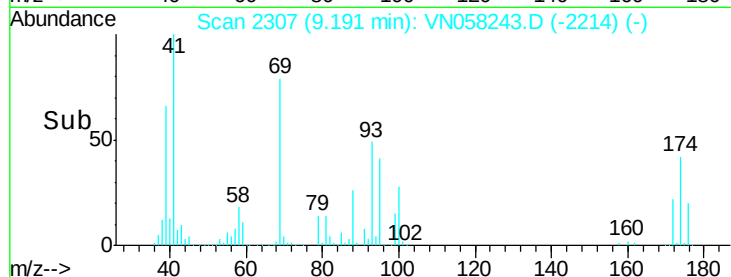
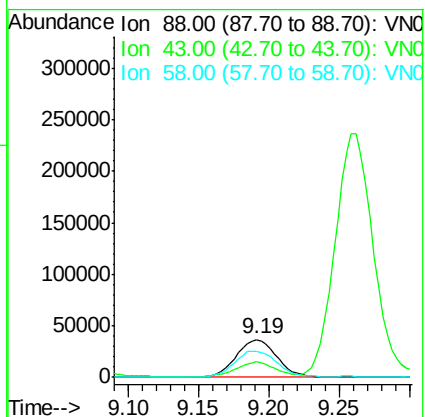
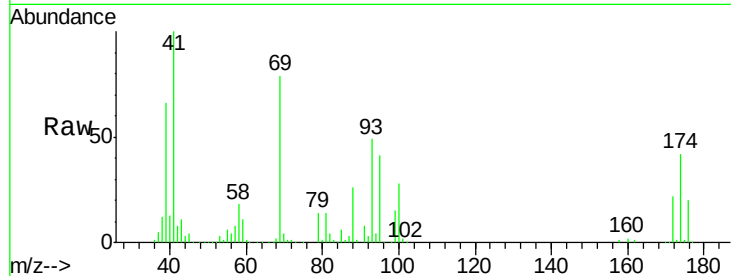
58 73.2 55.0 82.4

Manual Integrations

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#50

Toluene-d8

Concen: 53.582 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058243.D

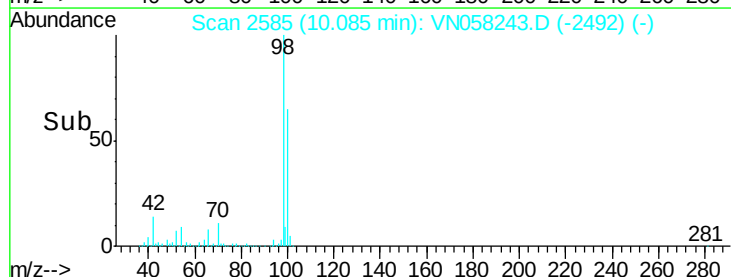
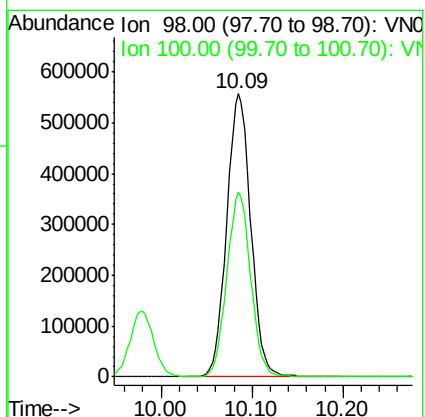
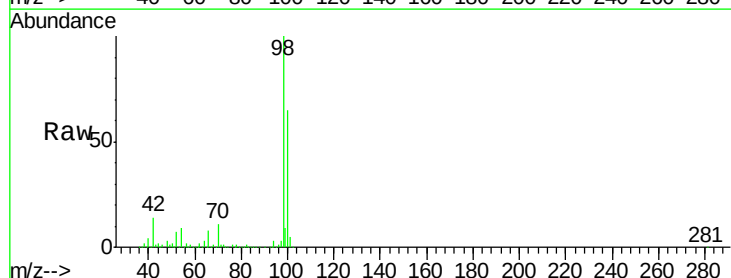
Acq: 20 Sep 2019 12:26

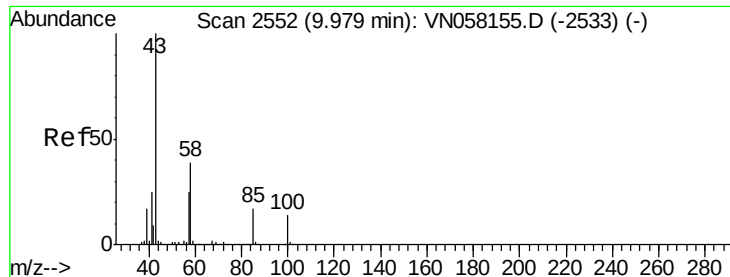
Tgt Ion: 98 Resp: 1023563

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 293.294 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1756112

Ion Ratio Lower Upper

43 100

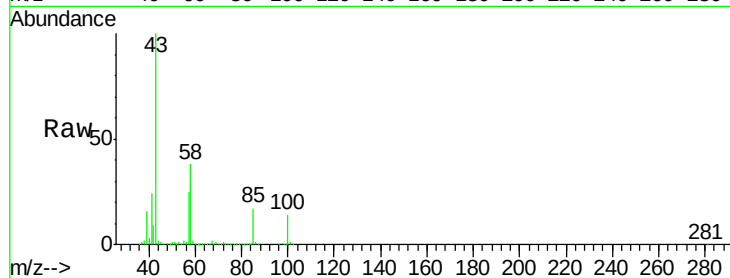
58 37.5 30.2 45.4

Manual Integrations

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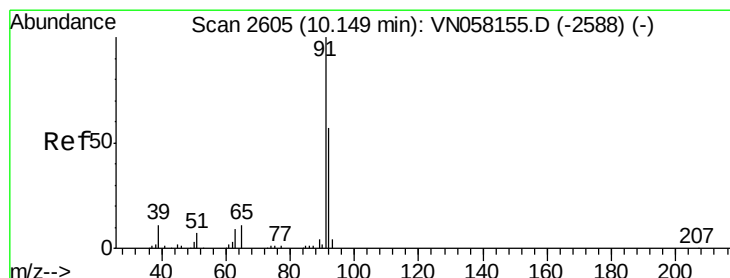
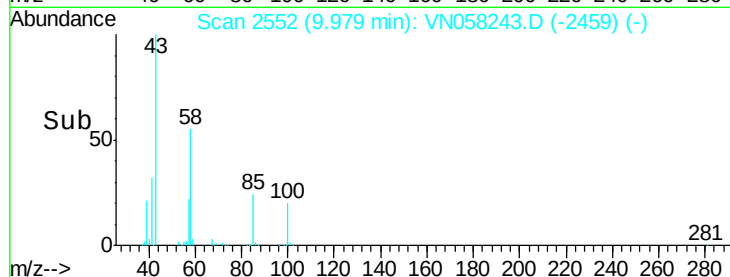
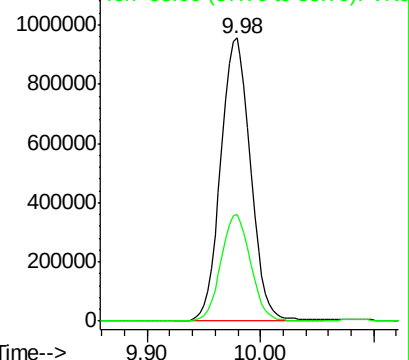
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.207 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058243.D

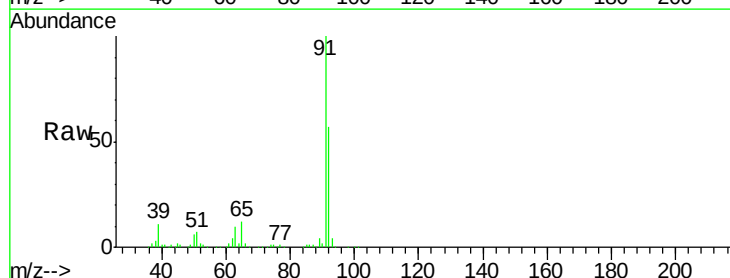
Acq: 20 Sep 2019 12:26

Tgt Ion: 92 Resp: 558961

Ion Ratio Lower Upper

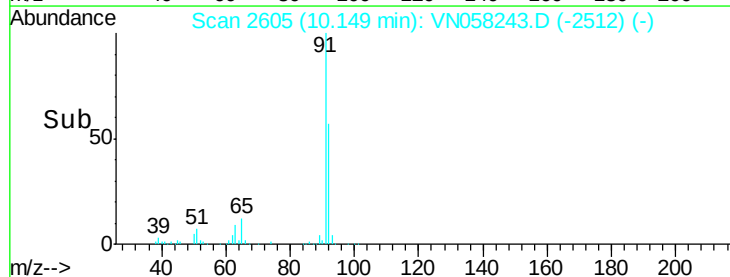
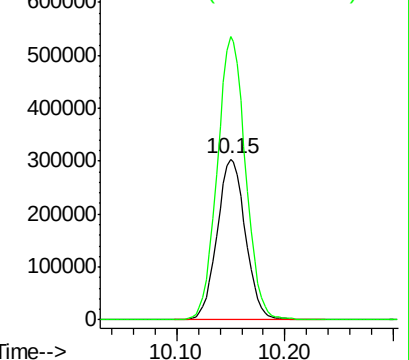
92 100

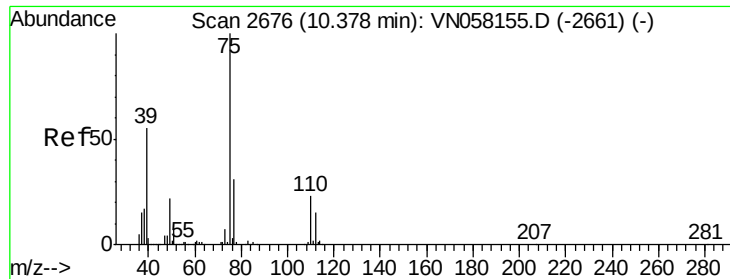
91 175.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 54.407 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 376594

Ion Ratio Lower Upper

75 100

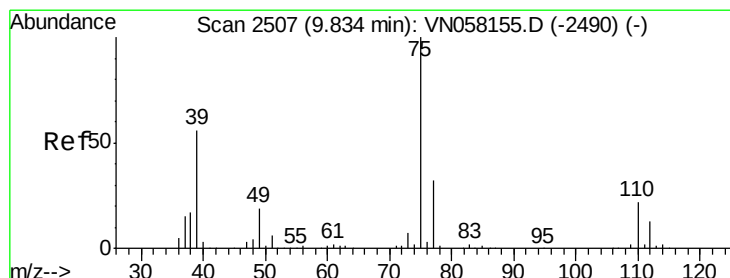
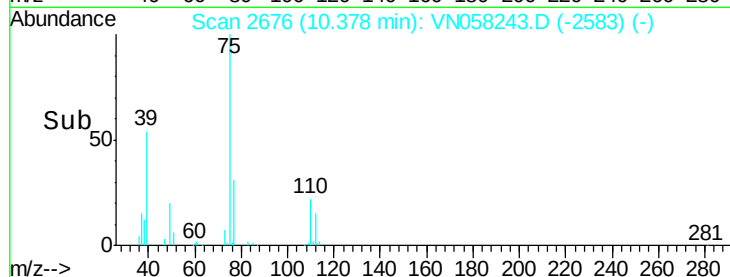
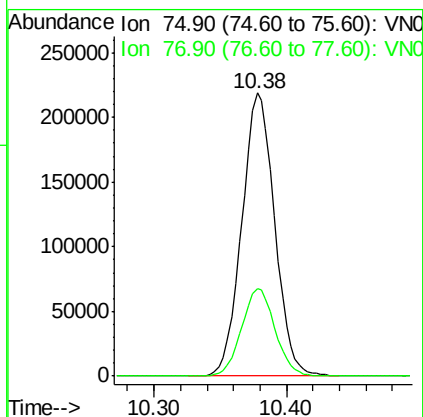
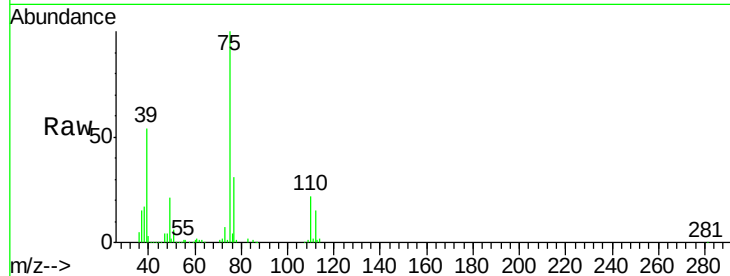
77 30.8 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.477 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

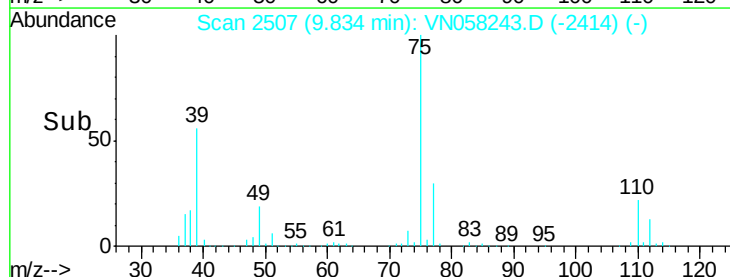
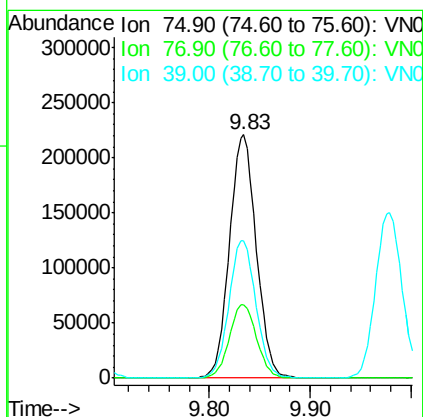
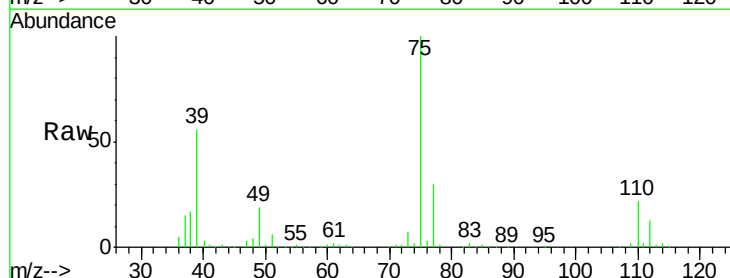
Tgt Ion: 75 Resp: 408679

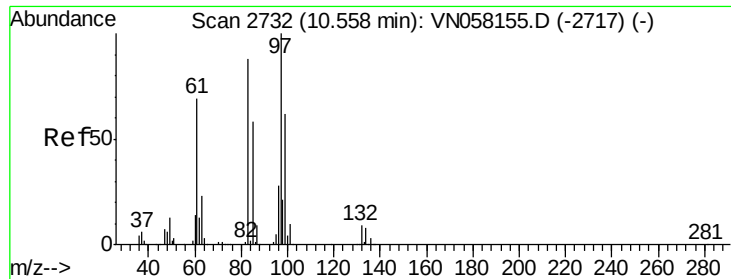
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 56.2 45.0 67.6





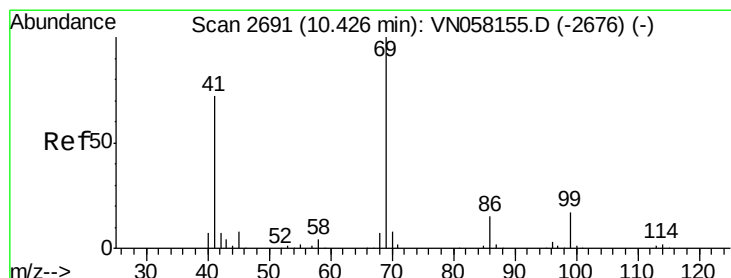
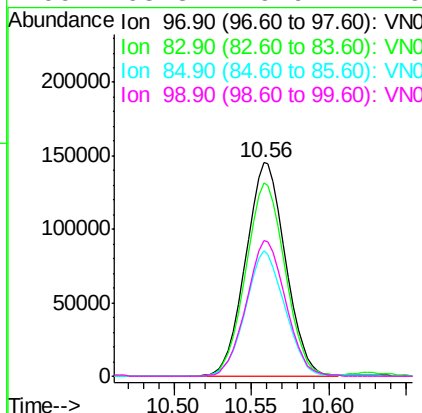
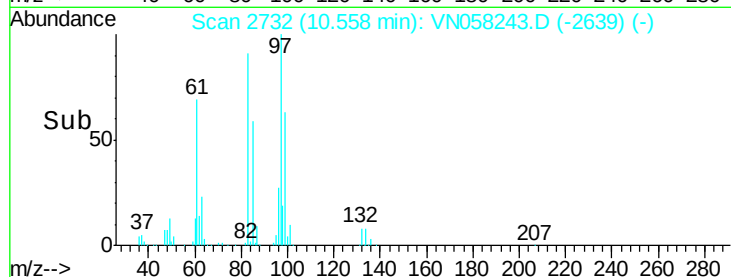
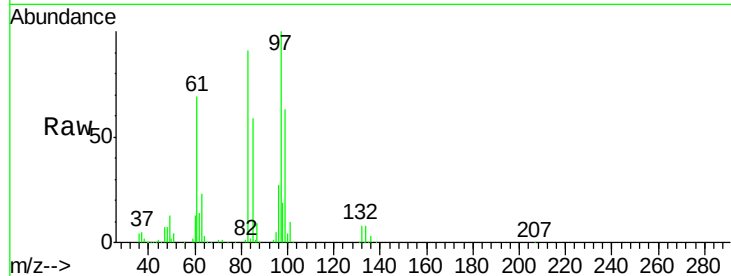
#55
 1,1,2-Trichloroethane
 Concen: 52.681 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		260280		
83	90.8	70.4	105.6		
85	58.7	46.8	70.2		
99	63.3	49.9	74.9		

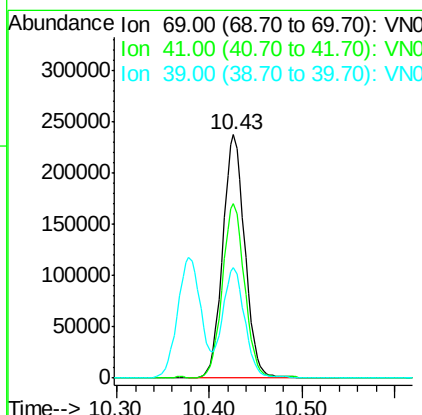
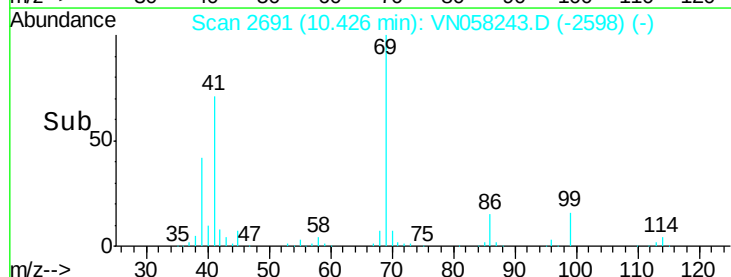
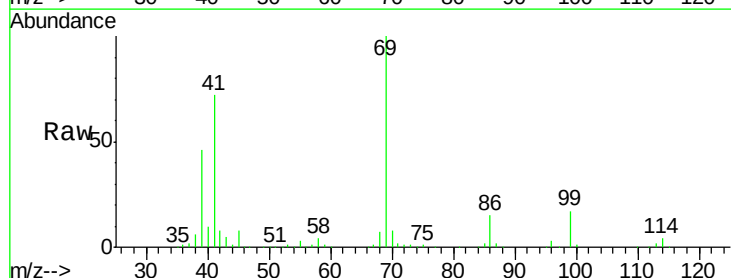
Manual Integrations
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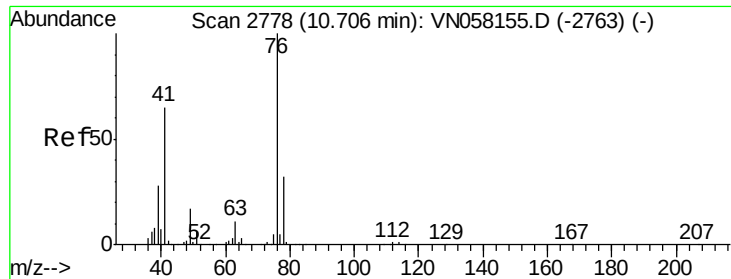
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#56
 Ethyl methacrylate
 Concen: 55.132 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		393010		
41	71.2	57.5	86.3		
39	45.0	36.1	54.1		





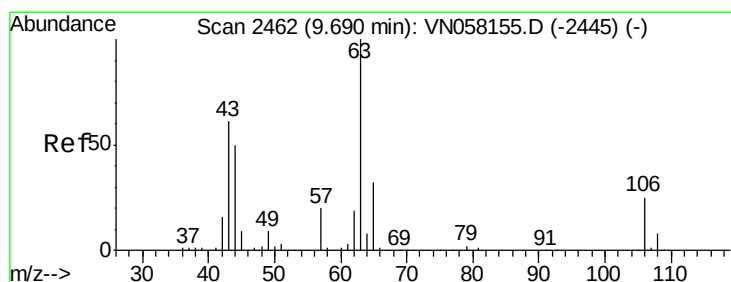
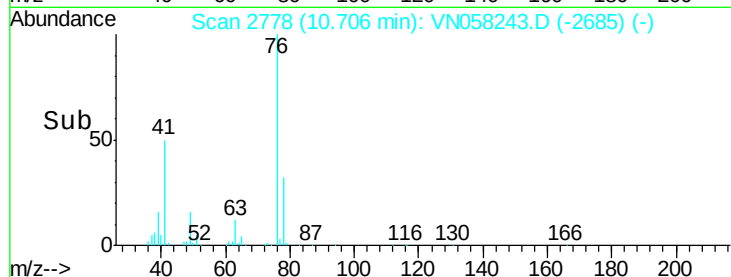
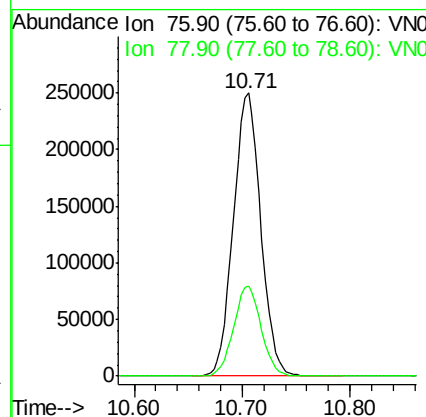
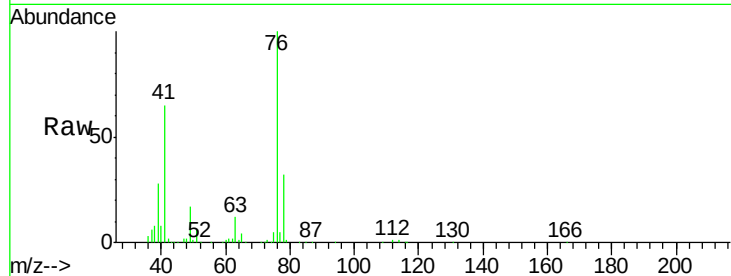
#57
 1,3-Dichloropropane
 Concen: 52.051 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 442095
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0

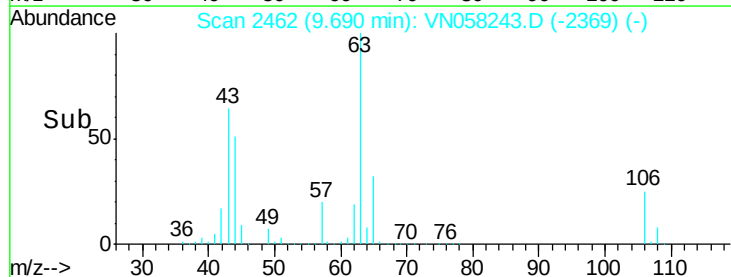
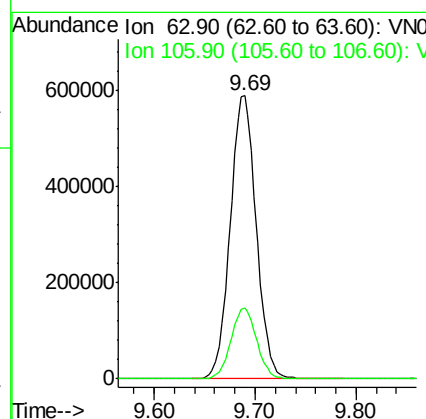
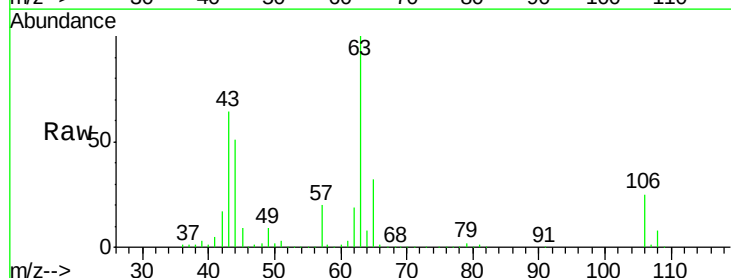
Manual Integrations
 APPROVED

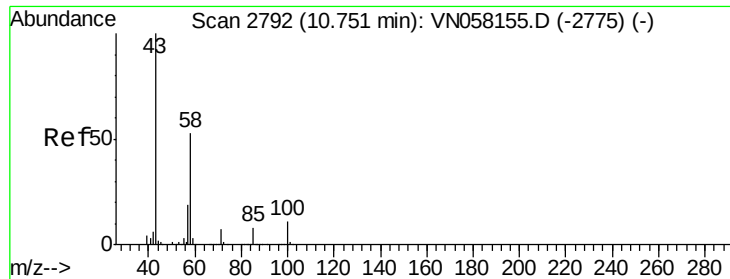
MMDadoda
 9/23/2019 3:29:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 311.770 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 63 Resp: 1058616
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.9 29.9





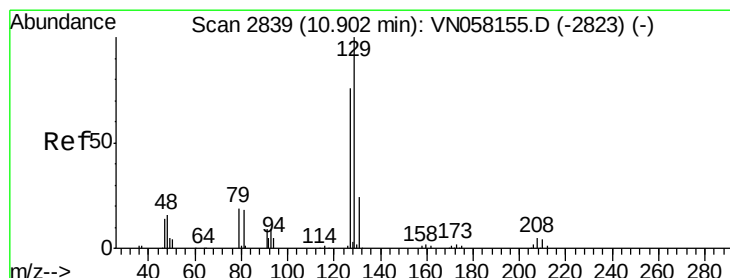
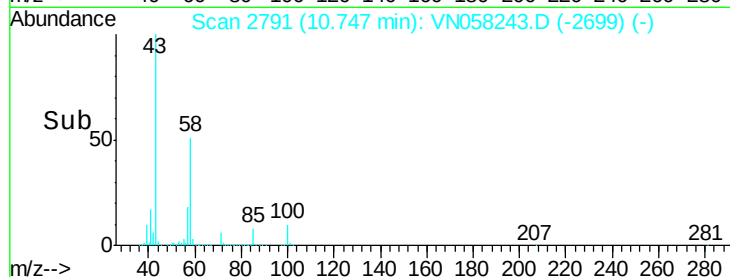
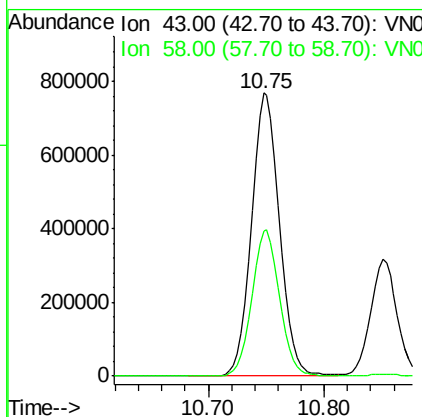
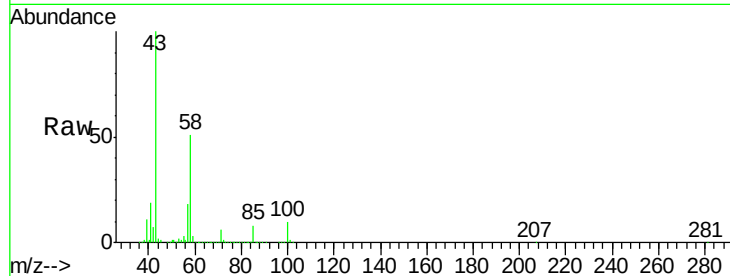
#59
2-Hexanone
Concen: 291.129 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1294619
Ion Ratio Lower Upper
43 100
58 51.3 26.0 78.0

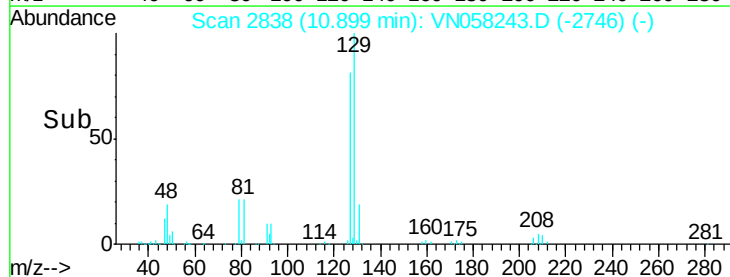
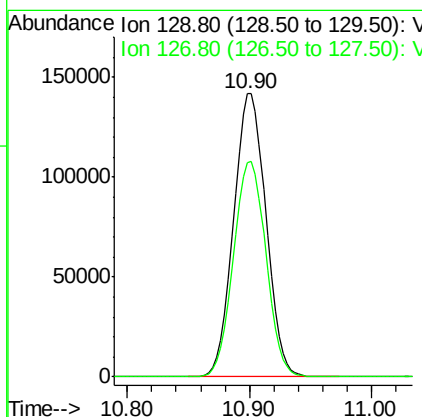
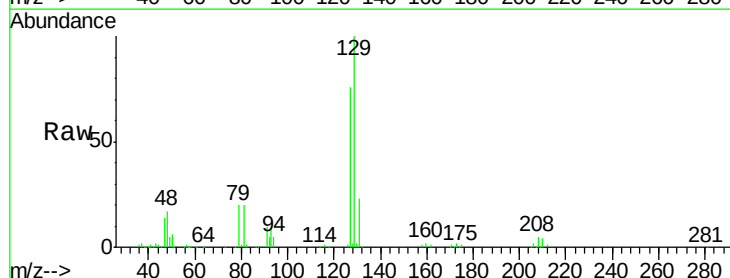
Manual Integrations
APPROVED

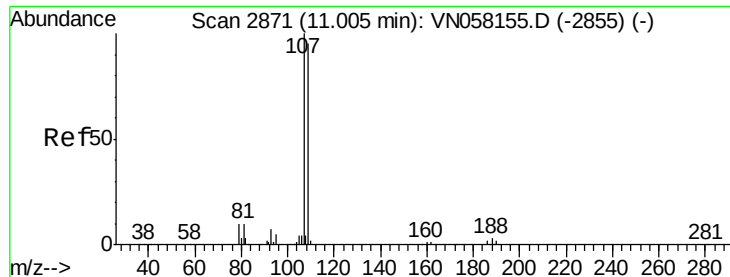
MMDadoda
9/23/2019 3:29:51 PM



#60
Dibromochloromethane
Concen: 54.861 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 129 Resp: 260765
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





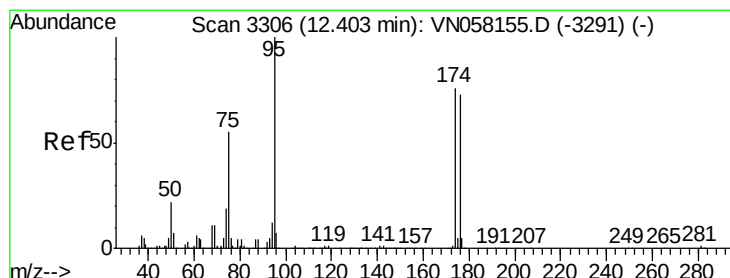
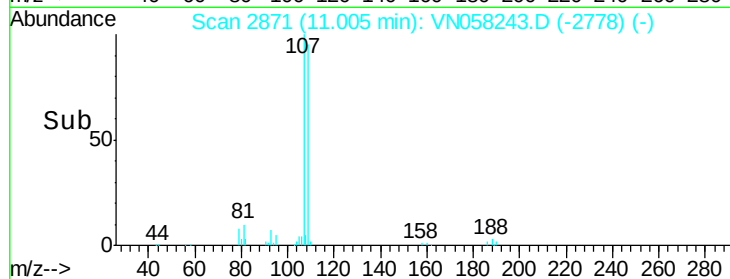
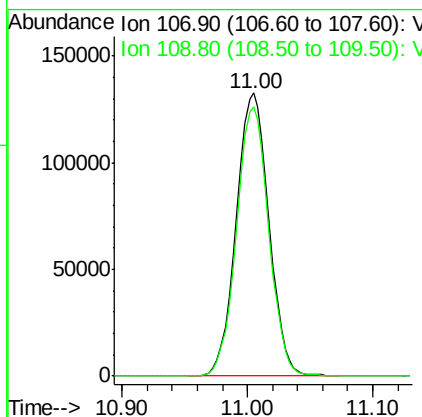
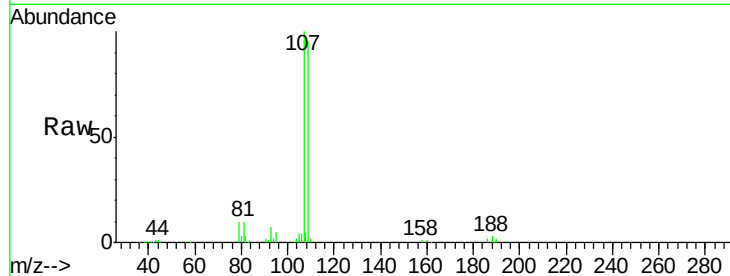
#61
 1,2-Dibromoethane
 Concen: 52.421 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

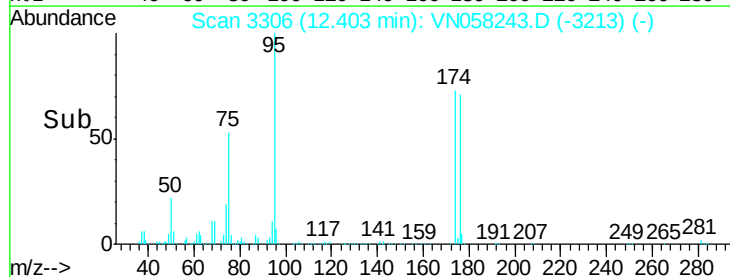
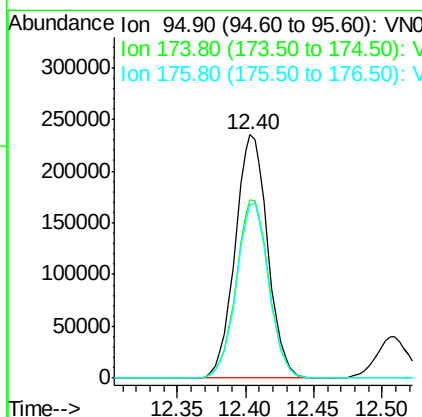
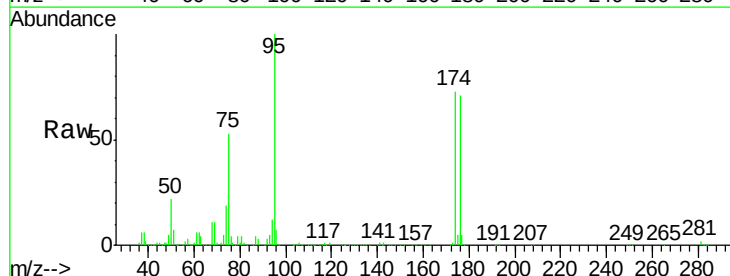
Manual Integrations
 APPROVED

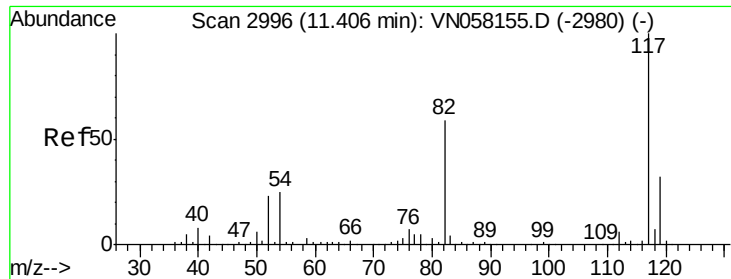
MMDadoda
 9/23/2019 3:29:51 PM



#62
 4-Bromofluorobenzene
 Concen: 54.619 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	152.2
176	71.5	0.0	148.0





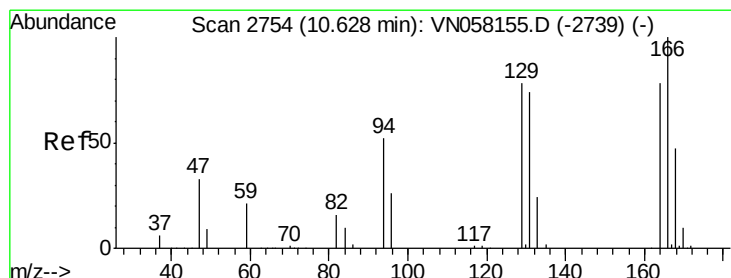
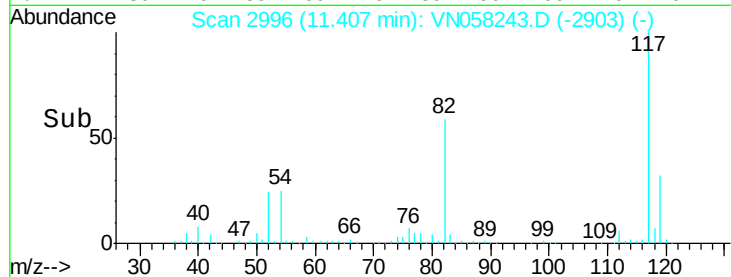
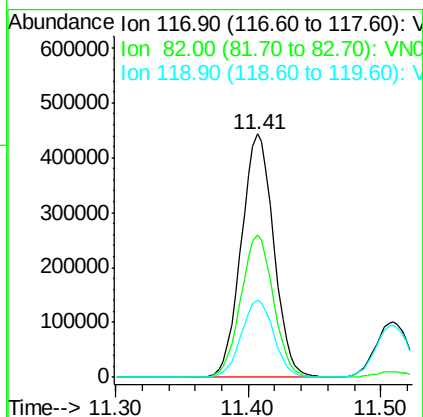
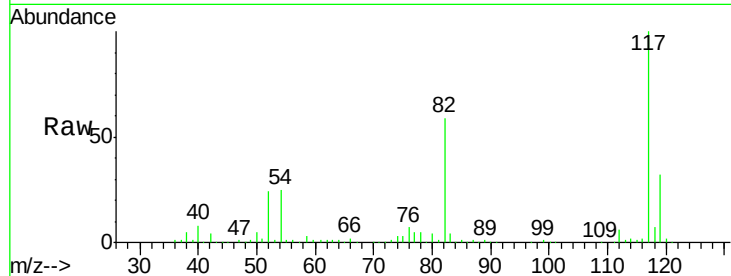
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.9	70.3
119	31.5	25.3	37.9

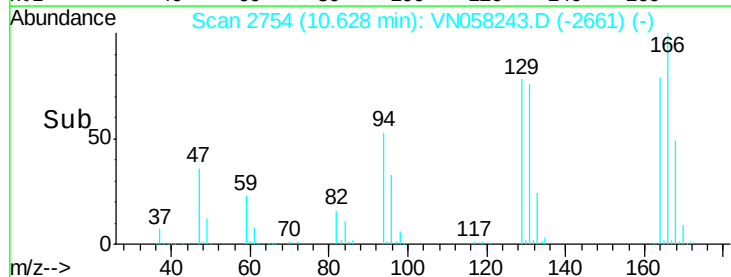
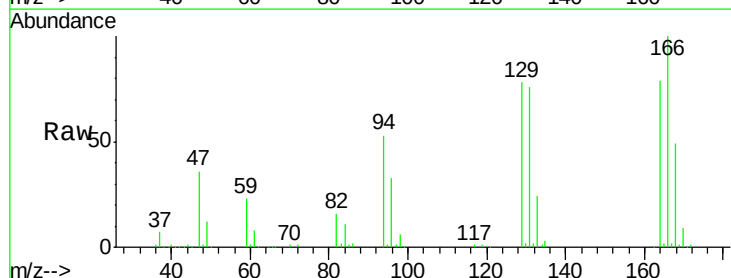
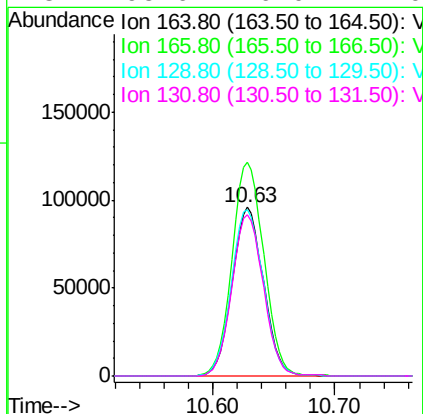
Manual Integrations
APPROVED

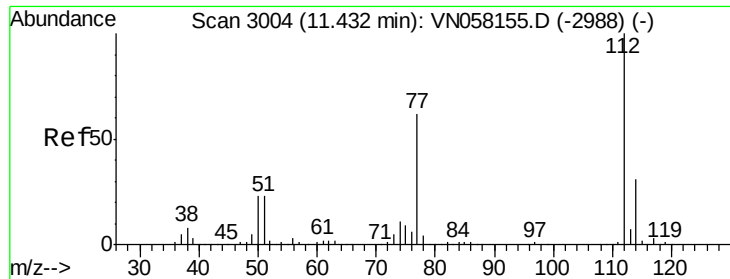
MMDadoda
9/23/2019 3:29:51 PM



#64
Tetrachloroethene
Concen: 46.392 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.2	153.4
129	98.6	79.6	119.4
131	95.6	76.0	114.0





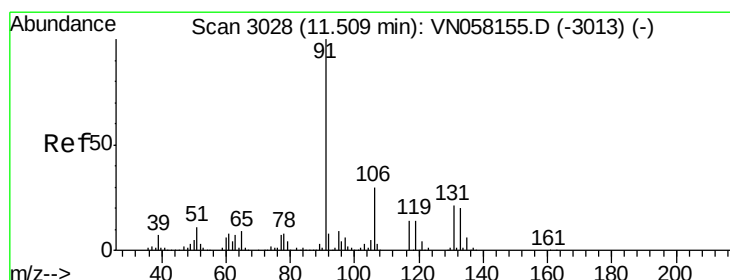
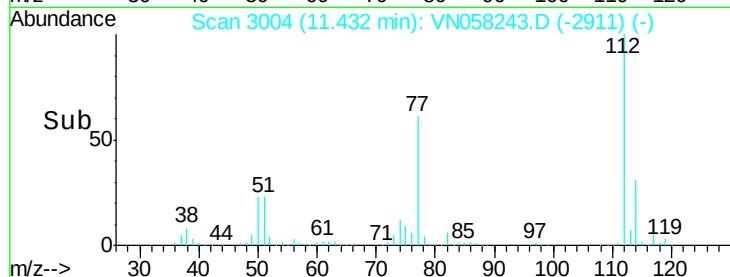
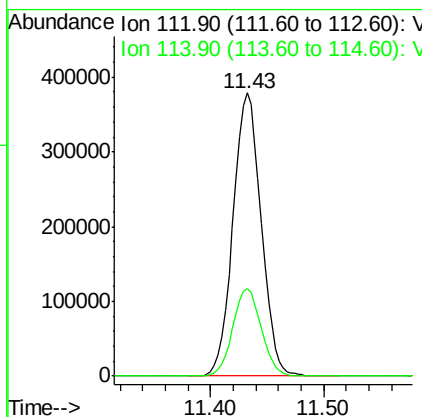
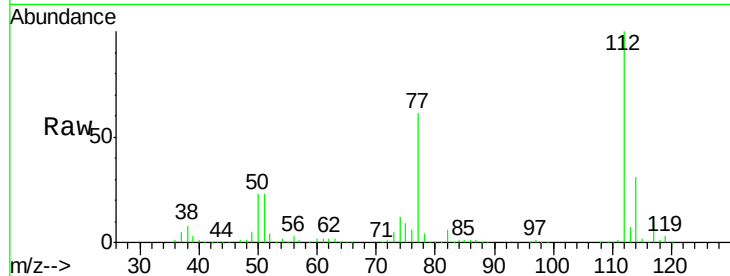
#65
Chlorobenzene
Concen: 49.557 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 656485
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

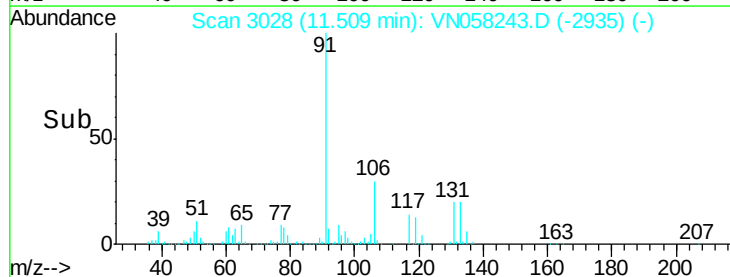
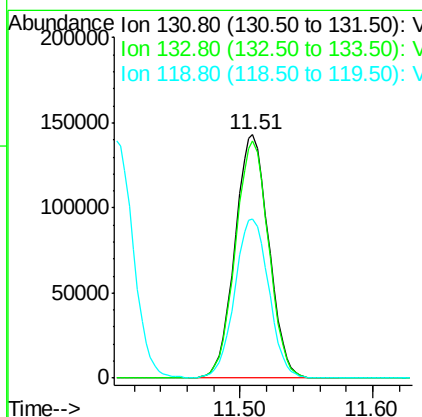
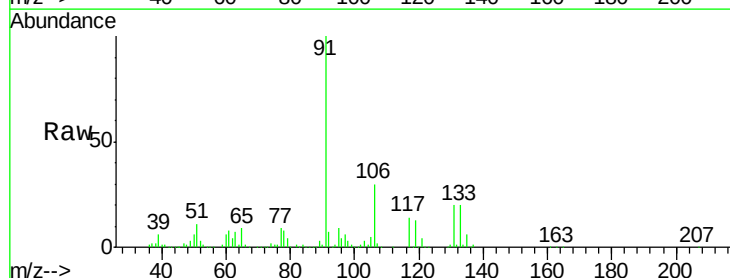
Manual Integrations
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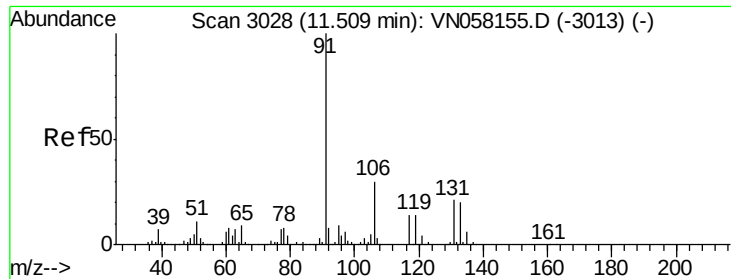
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.530 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion:131 Resp: 252323
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 66.1 33.1 99.3





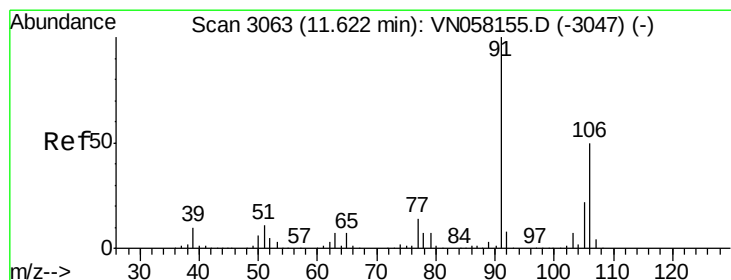
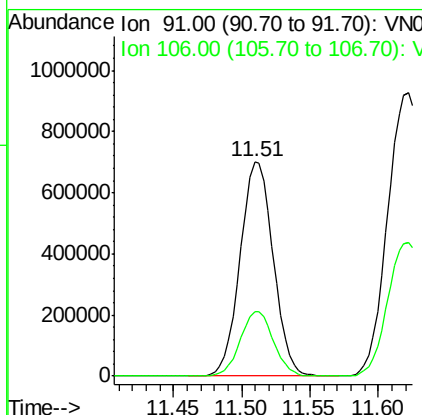
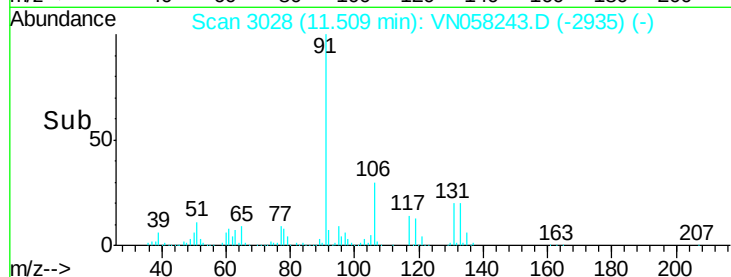
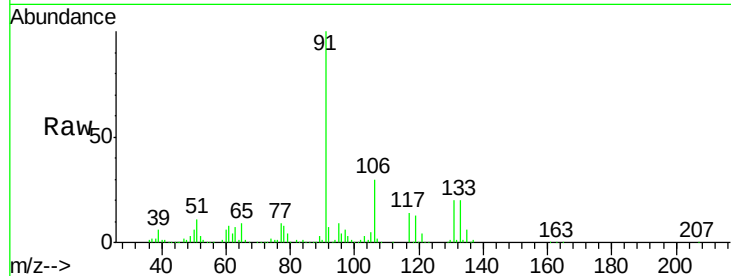
#67
Ethyl Benzene
Concen: 52.155 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1183835
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0

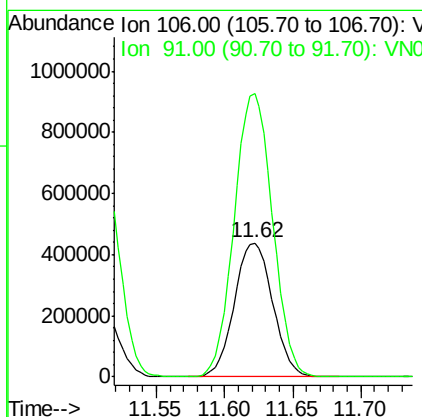
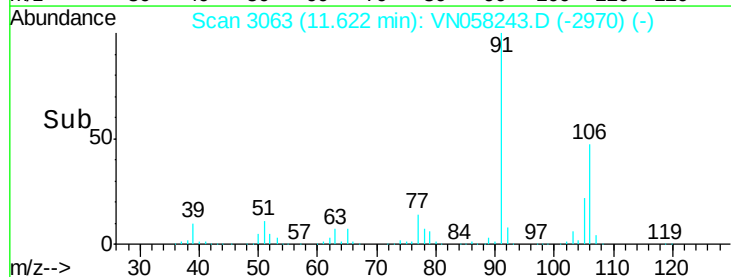
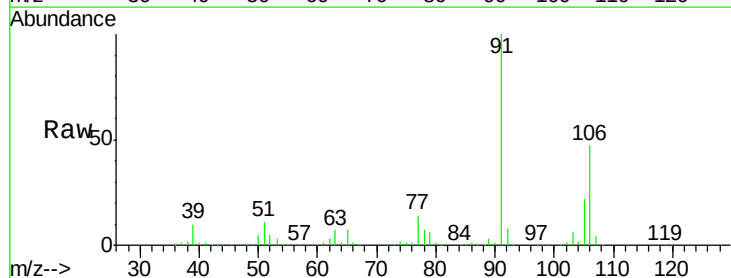
Manual Integrations
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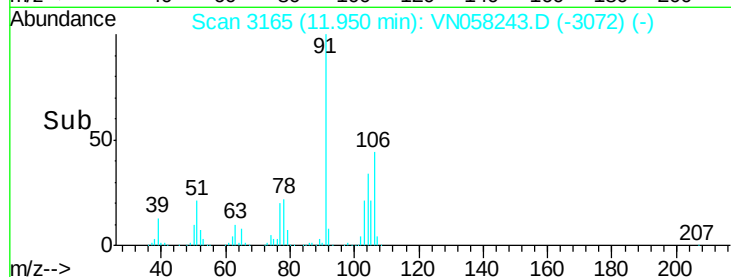
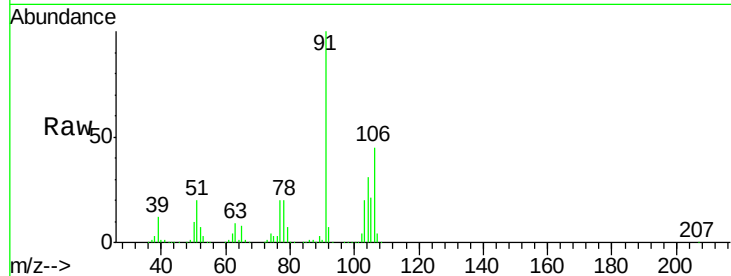
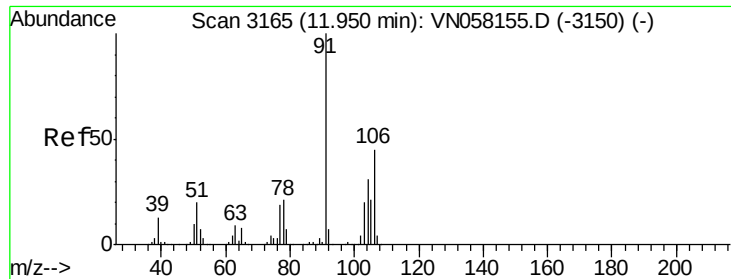
MMDadoda
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#68
m/p-Xylenes
Concen: 99.629 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 106 Resp: 851724
Ion Ratio Lower Upper
106 100
91 211.7 163.6 245.4





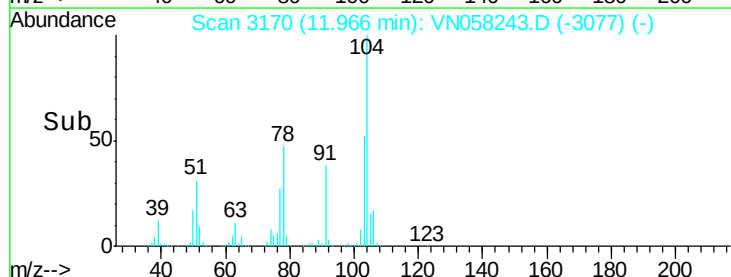
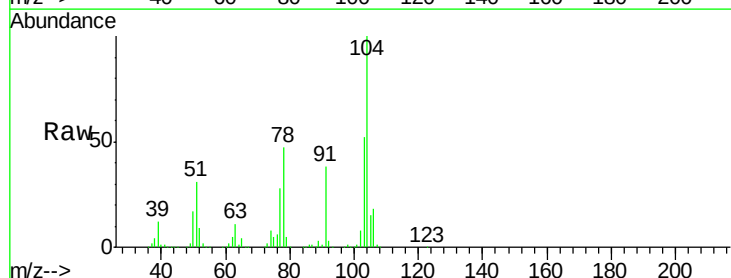
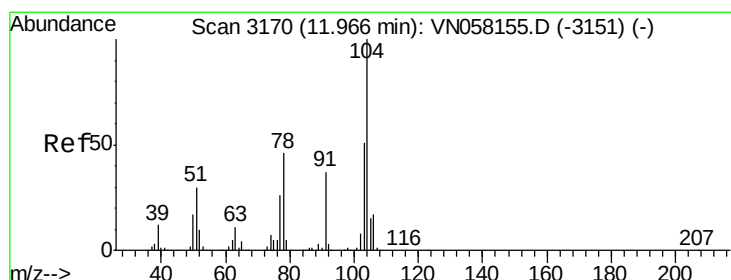
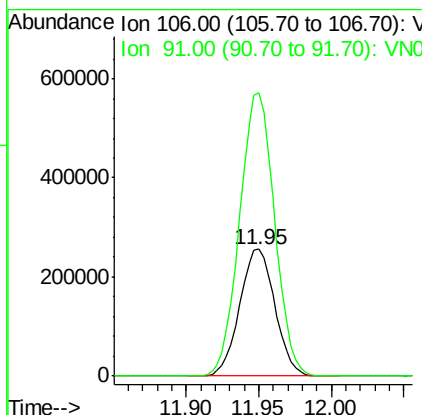
#69
o-Xylene
Concen: 51.459 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.4	111.8	335.3

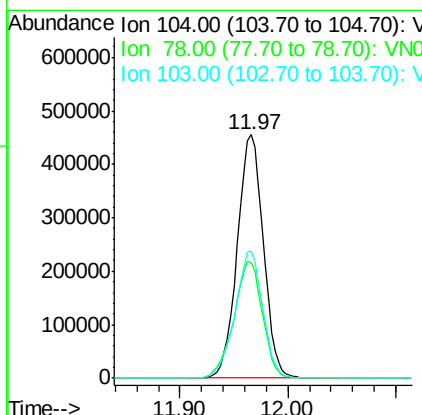
Manual Integrations
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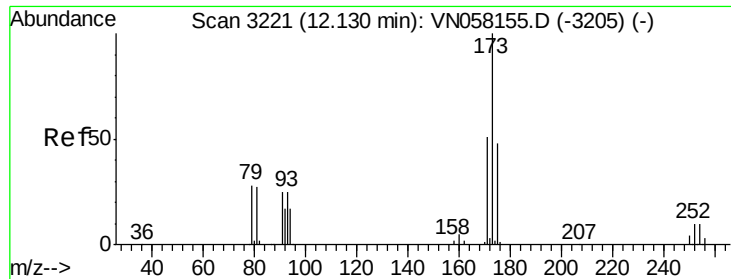
MMDadoda
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#70
Styrene
Concen: 53.132 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.8	62.8
103	55.3	44.2	66.2





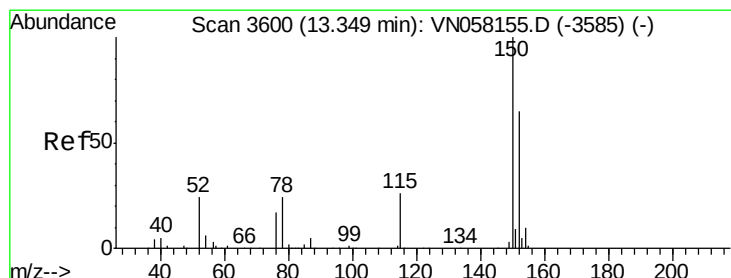
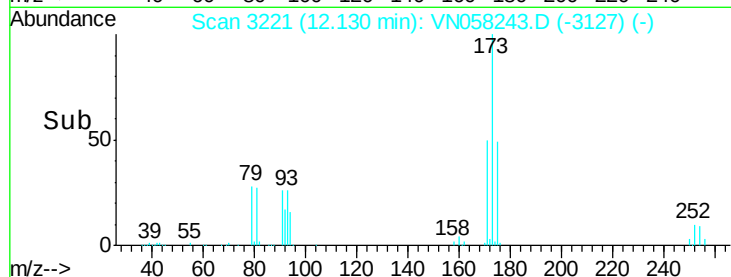
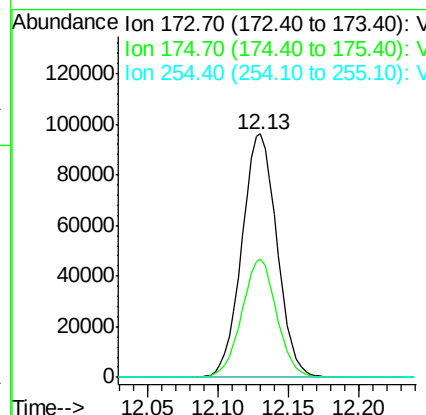
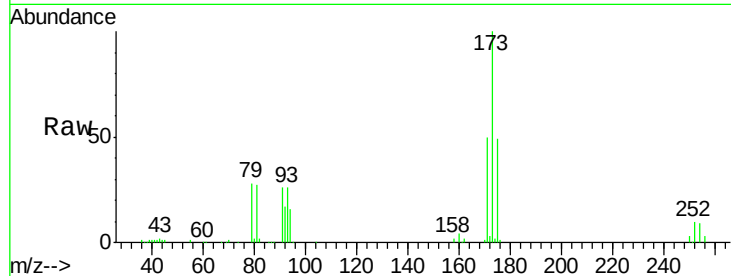
#71
Bromoform
Concen: 47.411 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1#

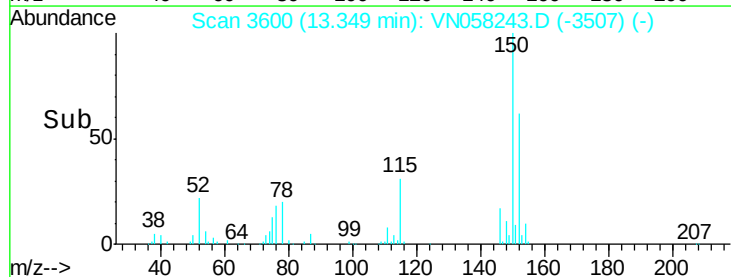
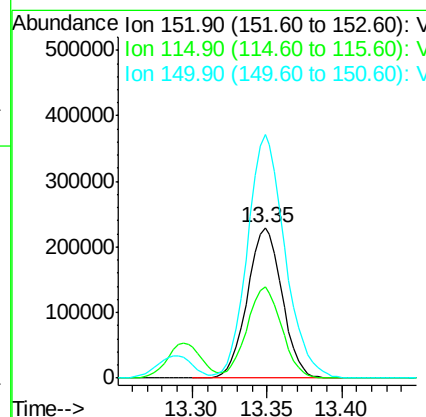
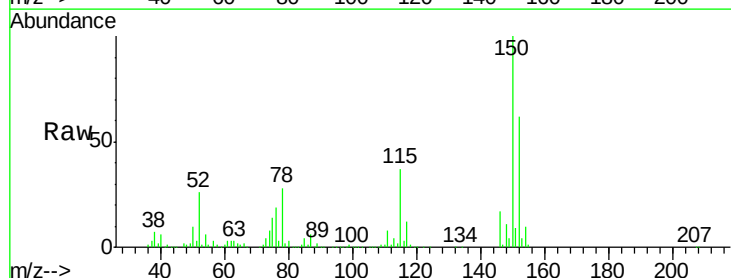
Manual Integrations
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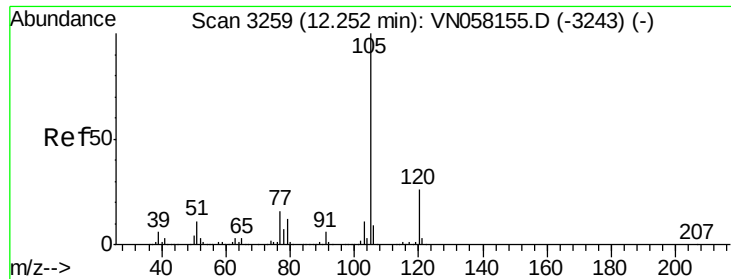
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	174.7	0.0	346.4





#73

Isopropylbenzene

Concen: 53.462 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1236840

Ion Ratio Lower Upper

105 100

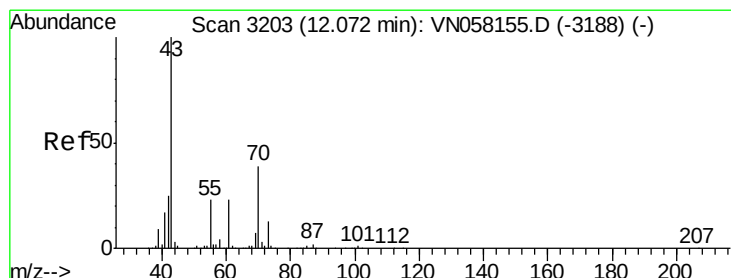
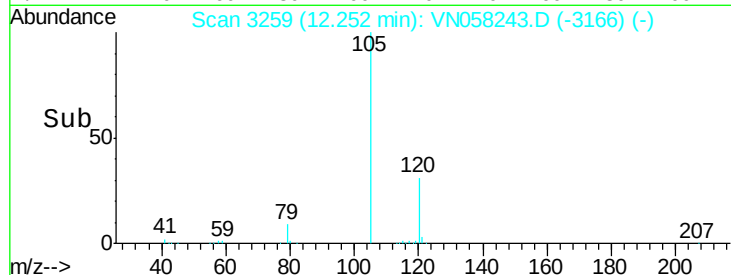
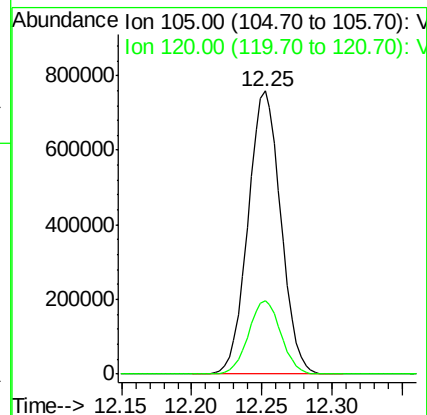
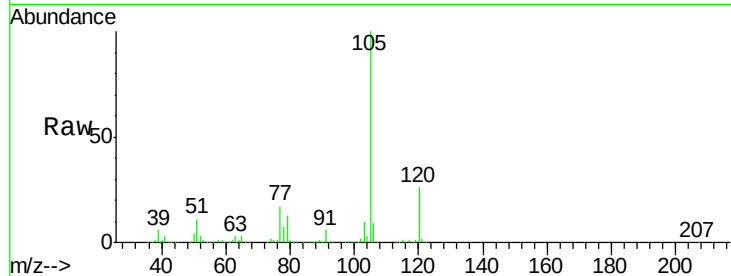
120 25.6 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.816 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion: 43 Resp: 540204

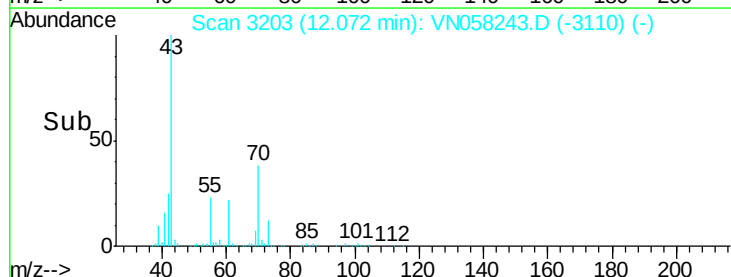
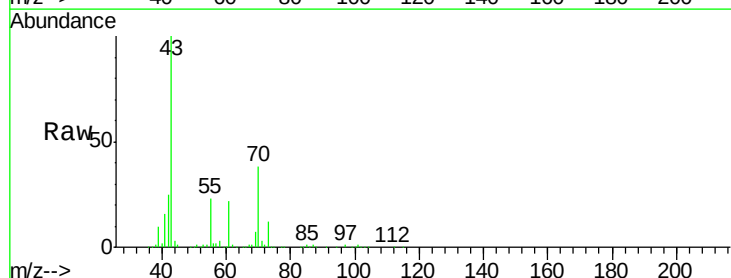
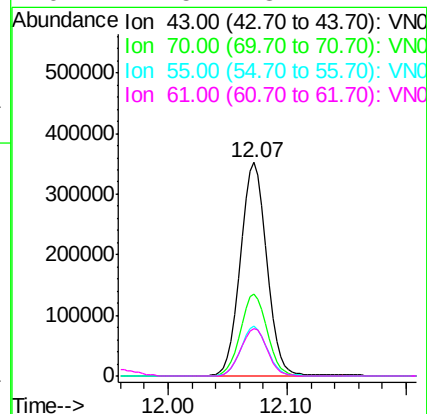
Ion Ratio Lower Upper

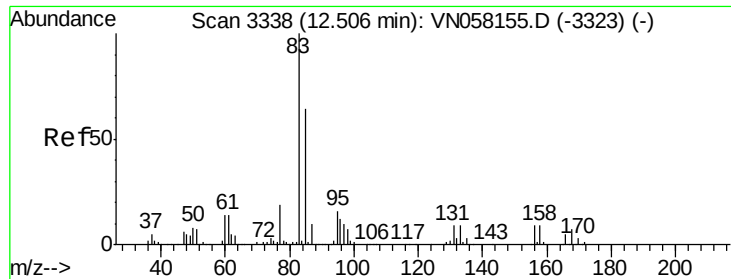
43 100

70 39.0 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.844 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 409403
Ion Ratio Lower Upper

83 100

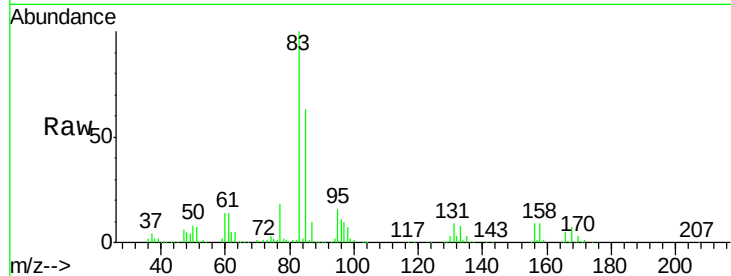
131 9.5 4.8 14.3

85 63.7 31.9 95.5

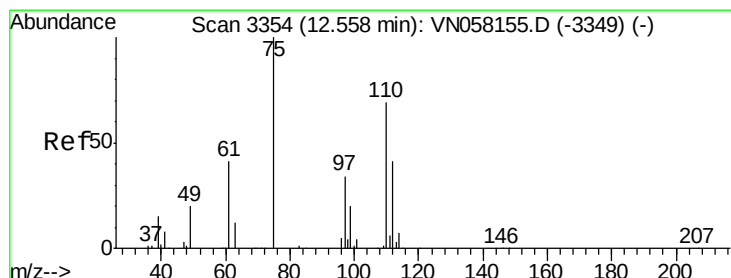
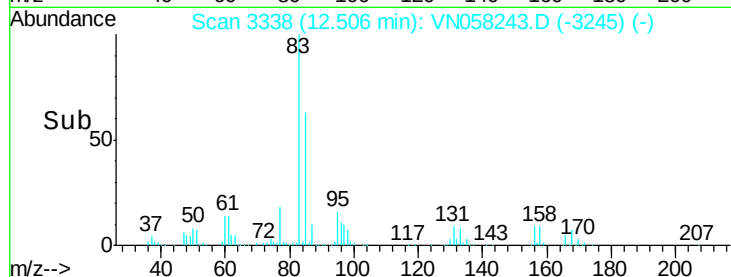
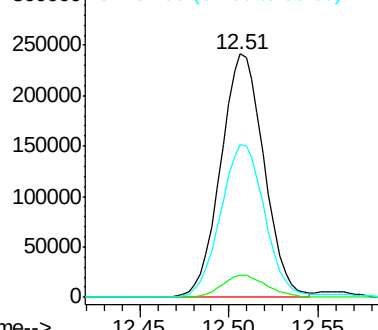
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 55.767 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

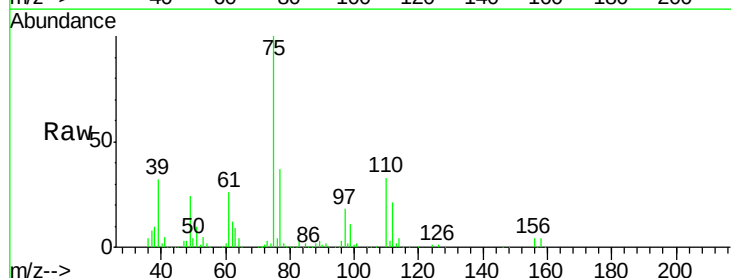
Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

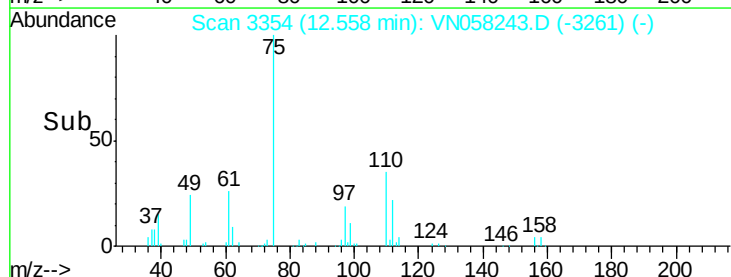
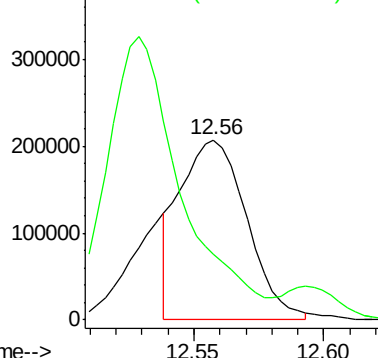
Tgt Ion: 75 Resp: 368888
Ion Ratio Lower Upper

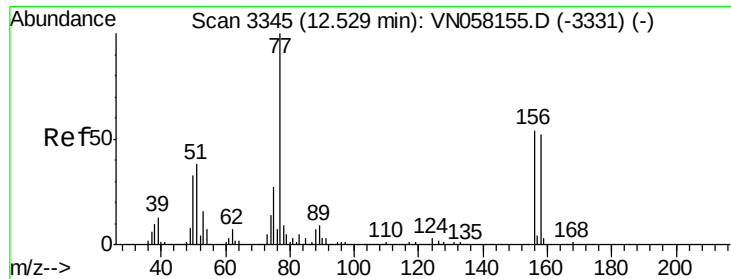
75 100

77 0.0 0.0 0.0



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





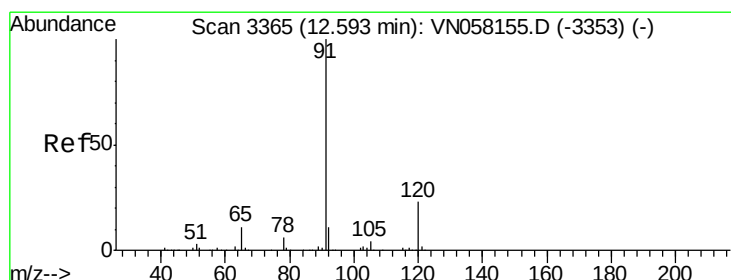
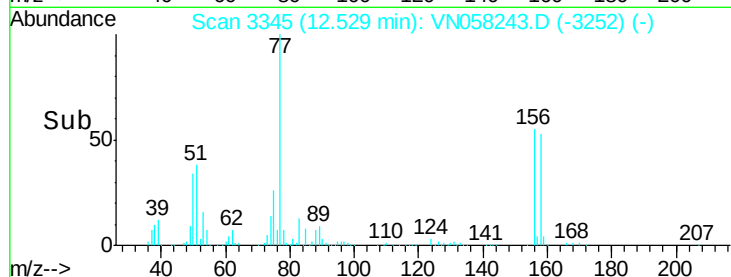
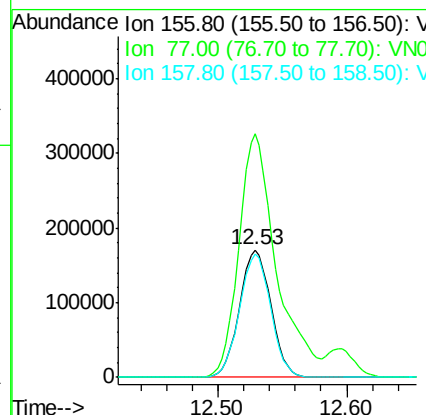
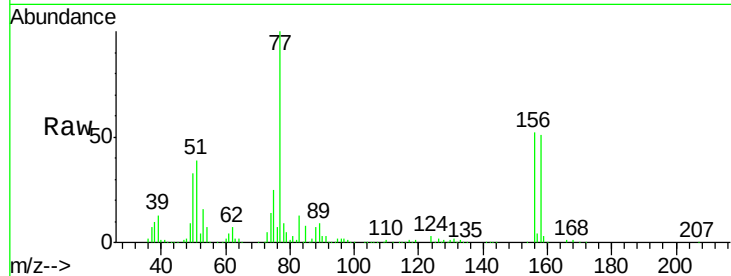
#77
Bromobenzene
Concen: 49.703 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		289245		
77	227.7	111.7	335.1		
158	96.3	47.9	143.8		

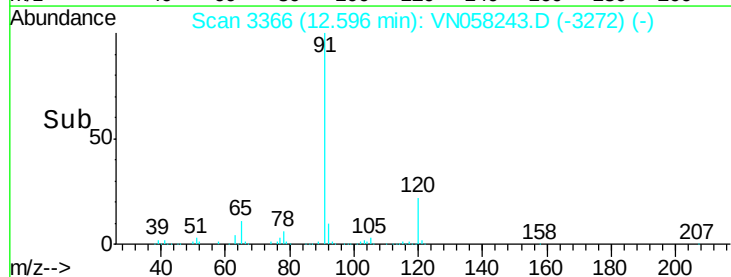
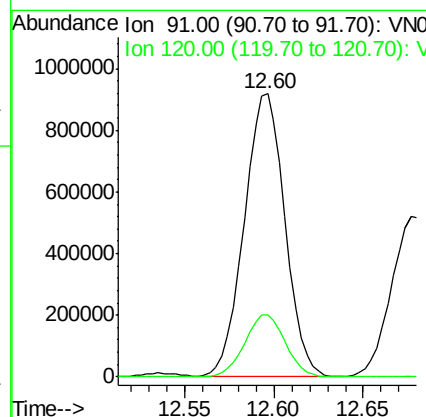
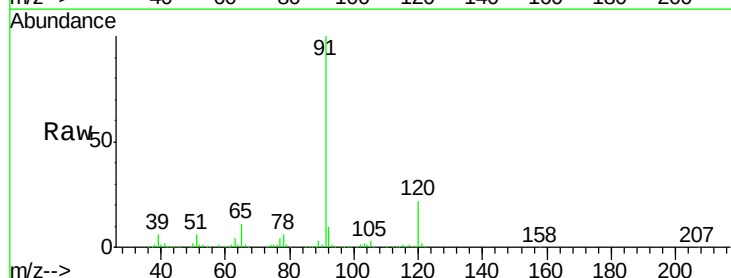
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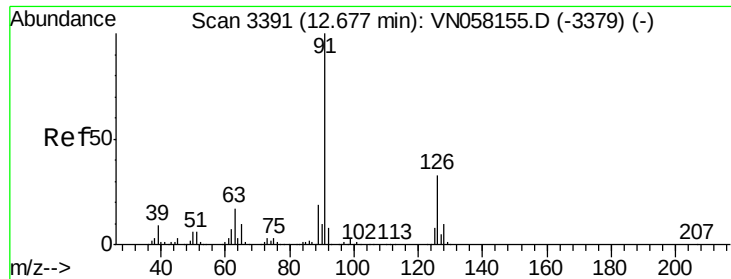
MMDadoda
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#78
n-propylbenzene
Concen: 55.172 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1450445		
120	21.9	11.1	33.3		





#79

2-Chlorotoluene

Concen: 52.819 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 867814

Ion Ratio Lower Upper

91 100

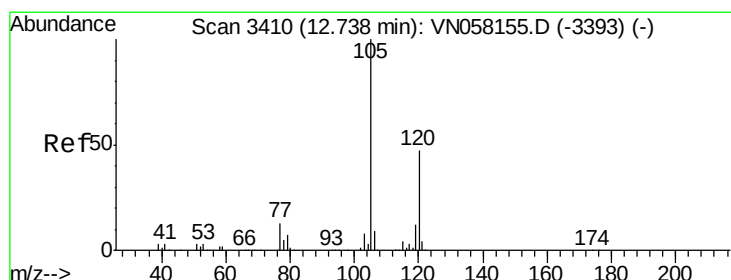
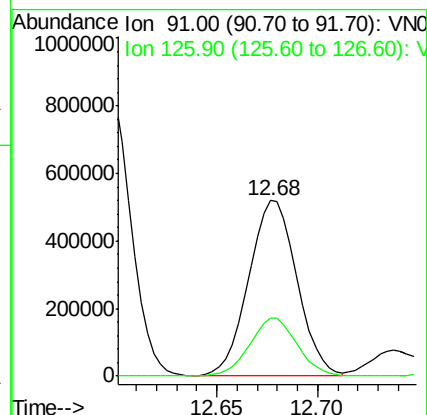
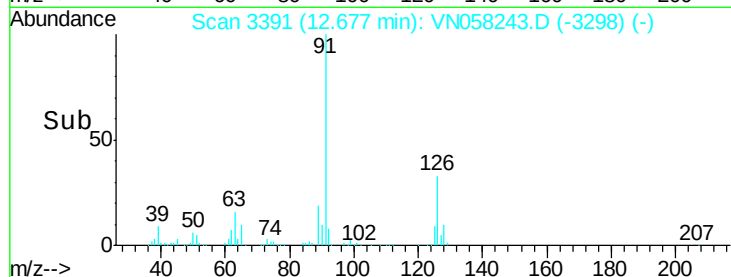
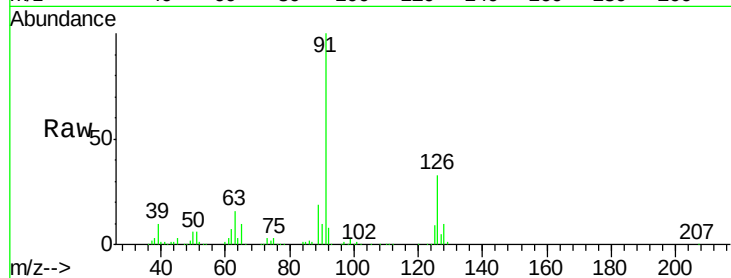
126 32.5 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 54.338 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058243.D

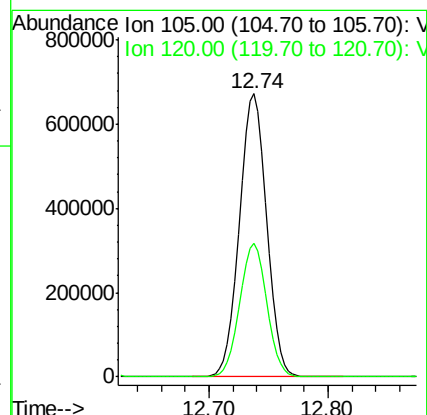
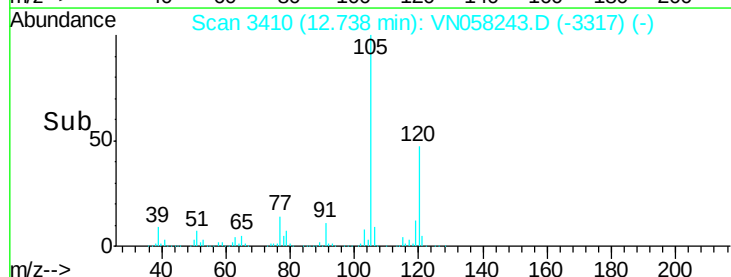
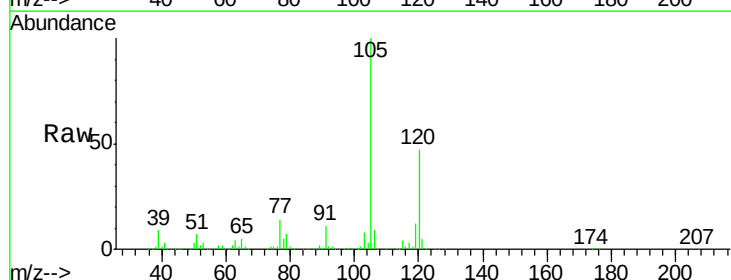
Acq: 20 Sep 2019 12:26

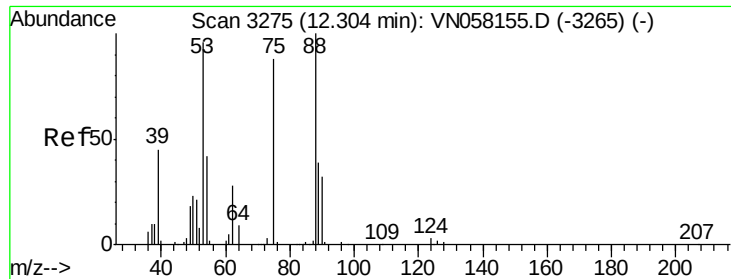
Tgt Ion: 105 Resp: 1063040

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





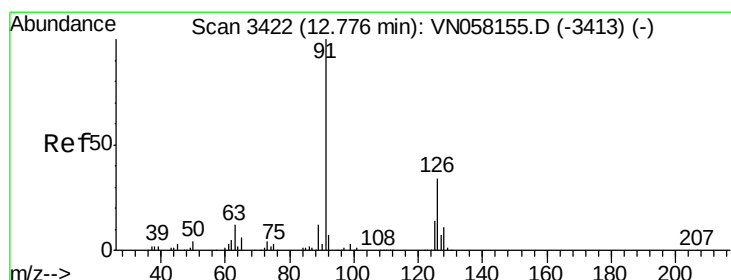
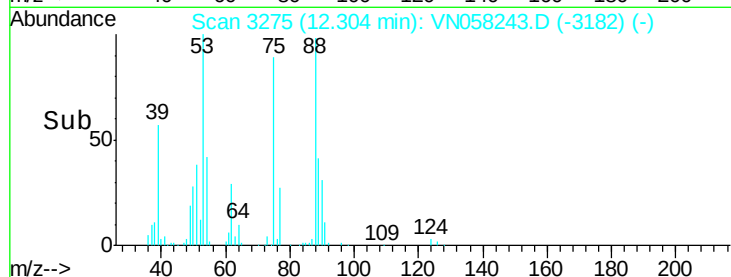
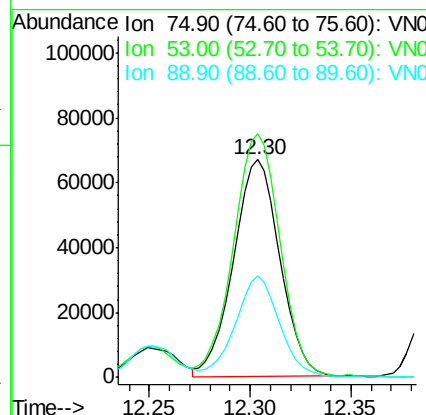
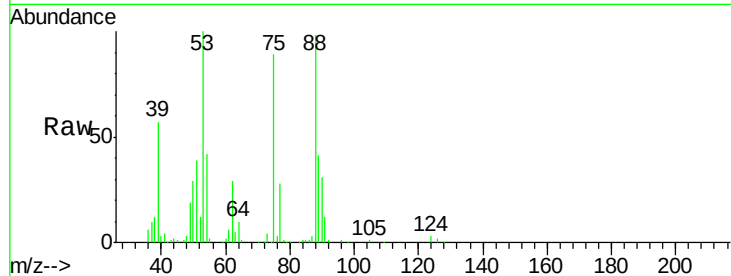
#81
trans-1,4-Dichloro-2-butene
Concen: 48.523 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	90.1	135.1
89	44.7	36.2	54.2

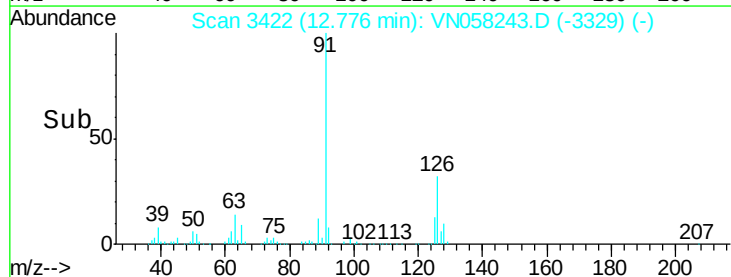
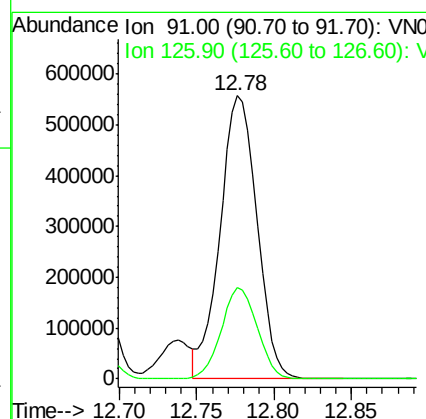
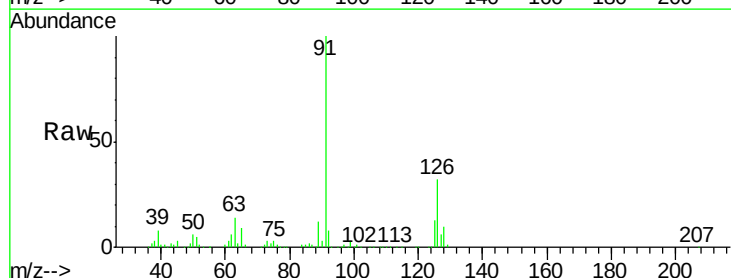
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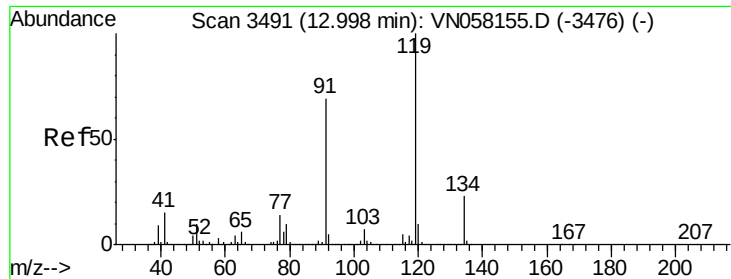
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#82
4-Chlorotoluene
Concen: 53.226 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





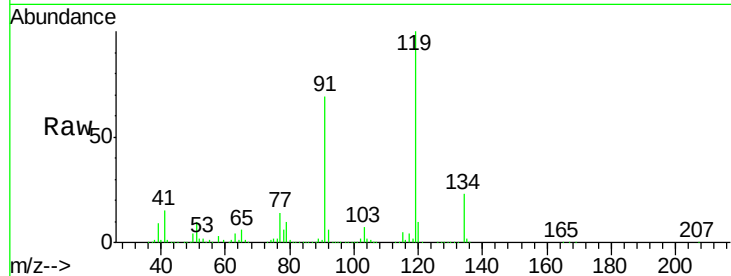
#83
 tert-Butylbenzene
 Concen: 54.131 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

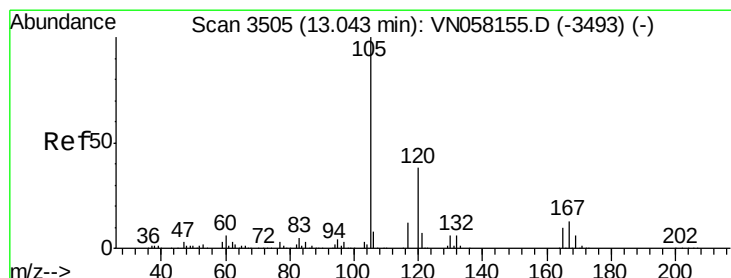
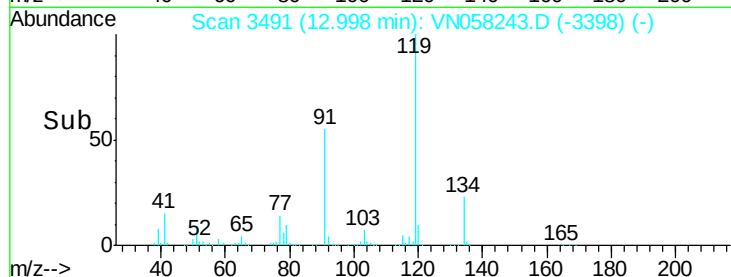
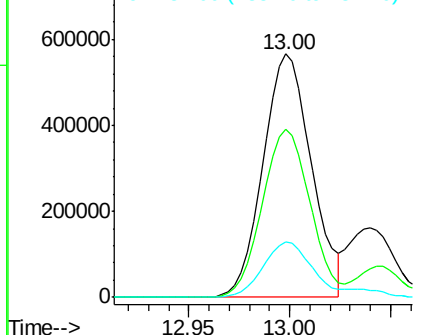
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.8	101.3
134	25.4	11.6	34.8

Manual Integrations
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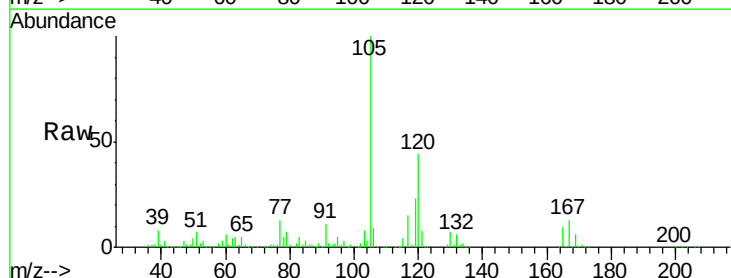


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

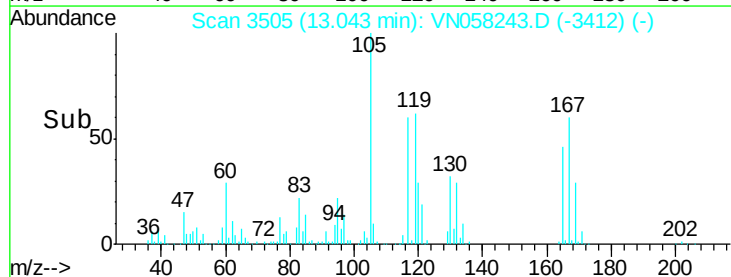
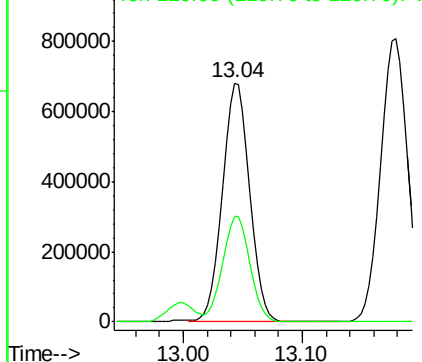


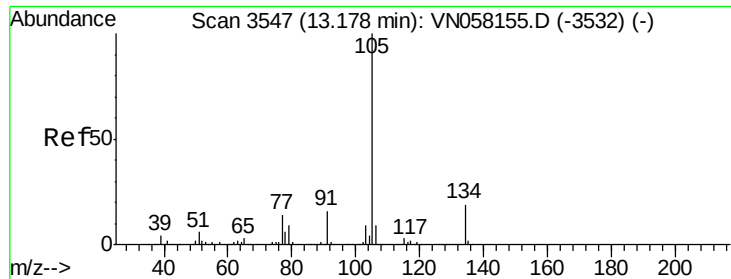
#84
 1,2,4-Trimethylbenzene
 Concen: 55.366 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.286 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1284107

Ion Ratio Lower Upper

105 100

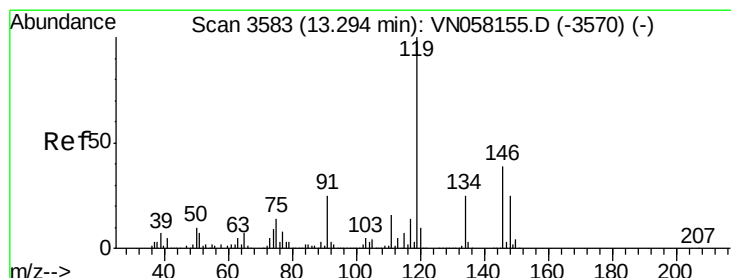
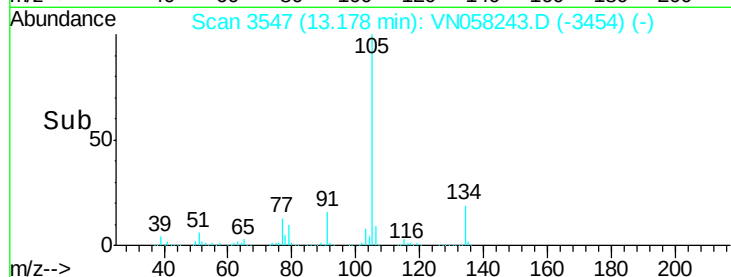
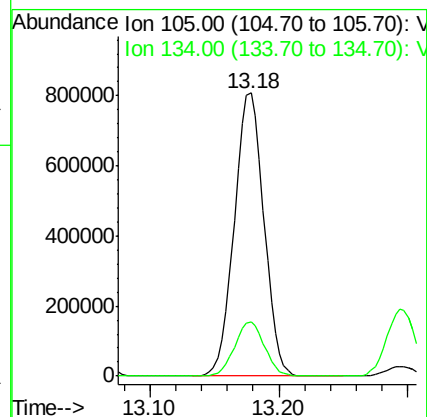
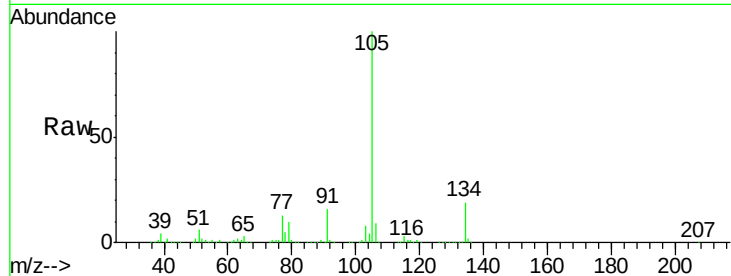
134 19.2 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.550 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

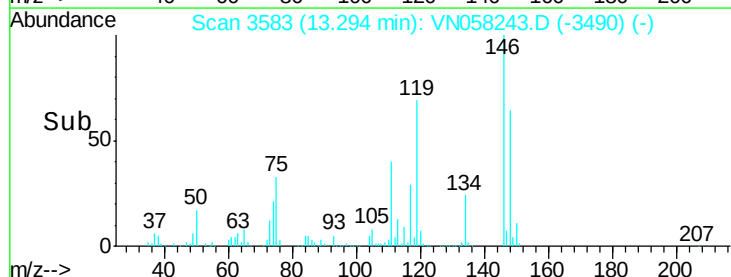
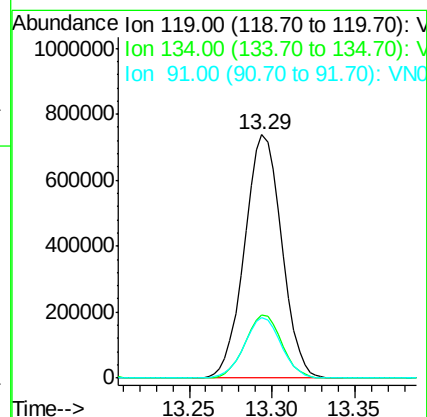
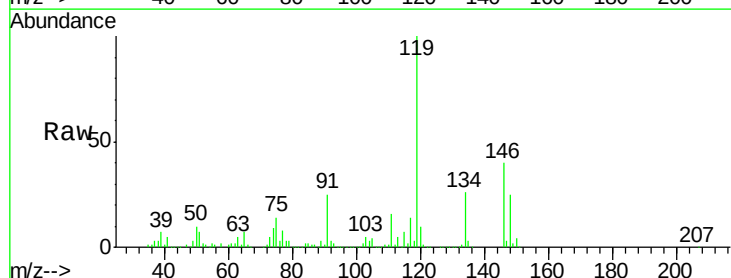
Tgt Ion:119 Resp: 1146931

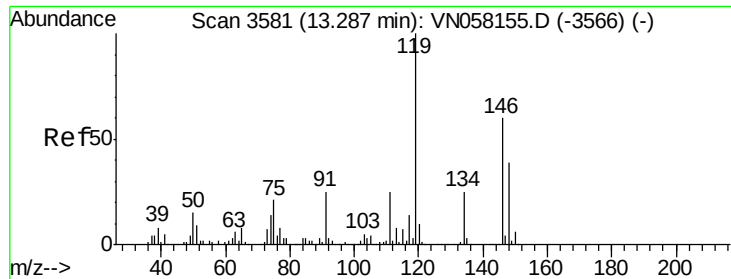
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

91 24.6 12.3 36.8





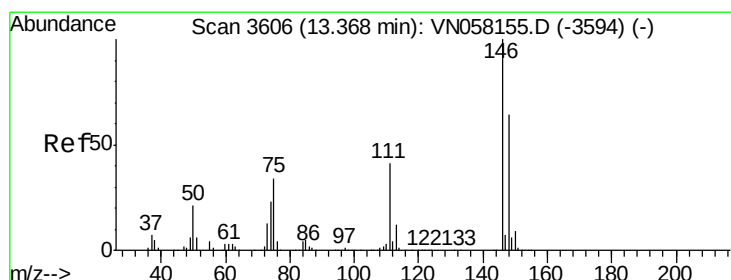
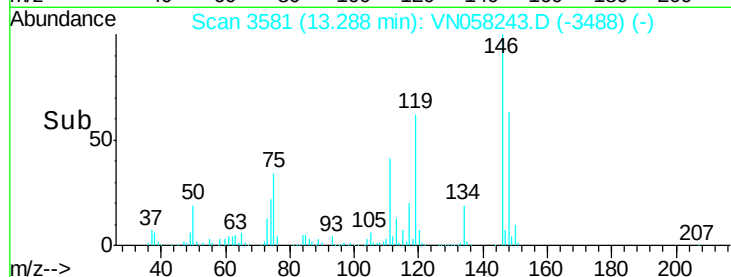
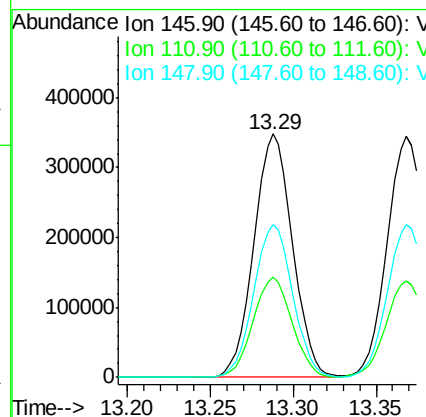
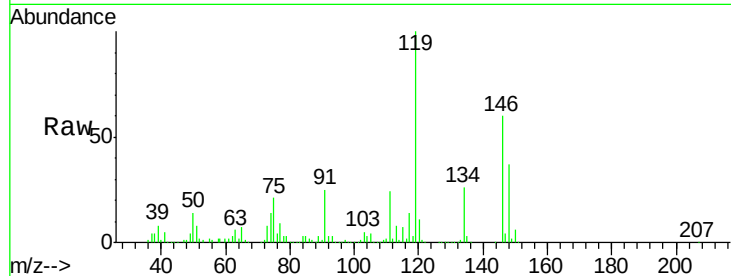
#87
 1,3-Dichlorobenzene
 Concen: 53.191 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	565375		
111	41.6	20.9	62.8	
148	63.1	32.0	96.2	

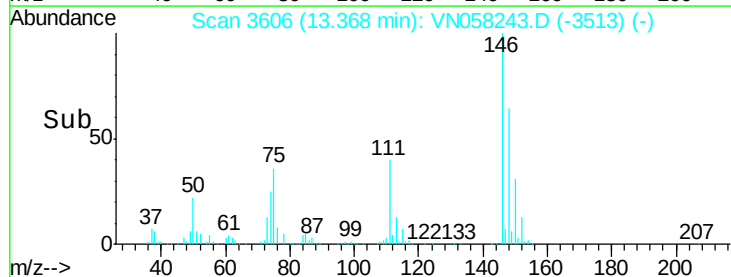
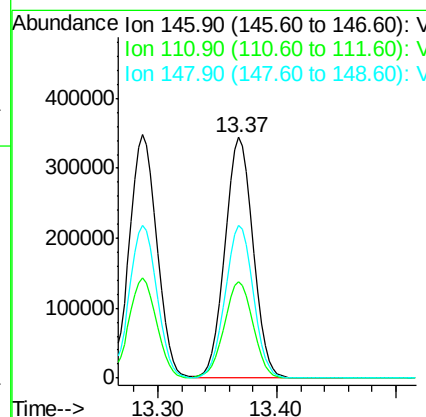
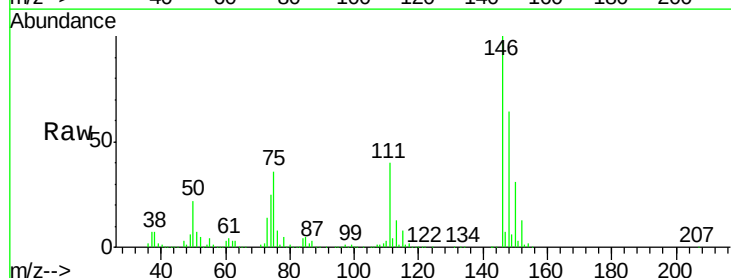
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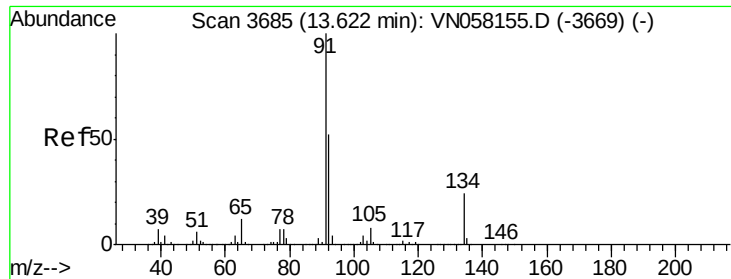
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#88
 1,4-Dichlorobenzene
 Concen: 51.861 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	562764		
111	41.0	20.5	61.5	
148	63.8	31.9	95.5	





#89

n-Butylbenzene

Concen: 56.468 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1085802

Ion Ratio Lower Upper

91 100

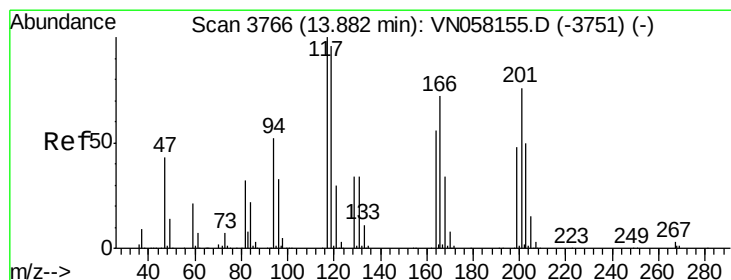
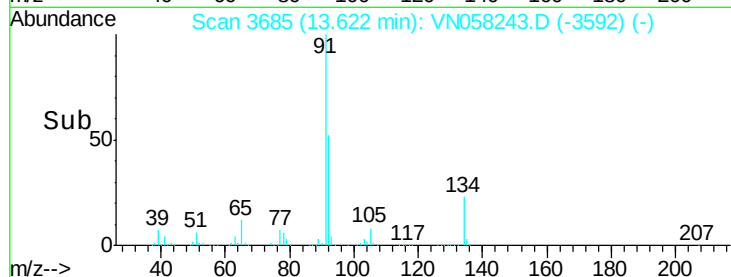
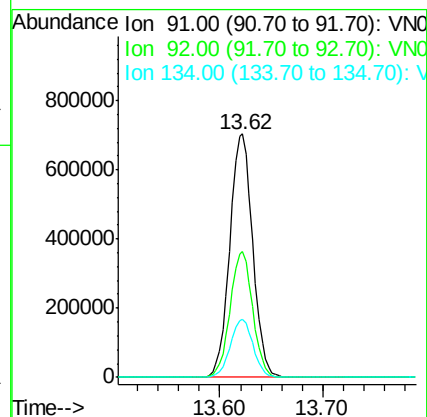
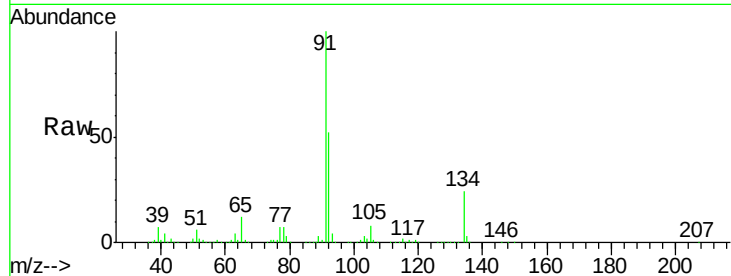
92 51.2 25.7 77.0

134 23.8 11.8 35.4

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#90

Hexachloroethane

Concen: 50.086 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058243.D

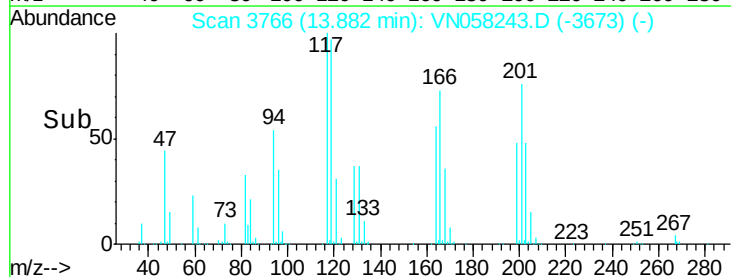
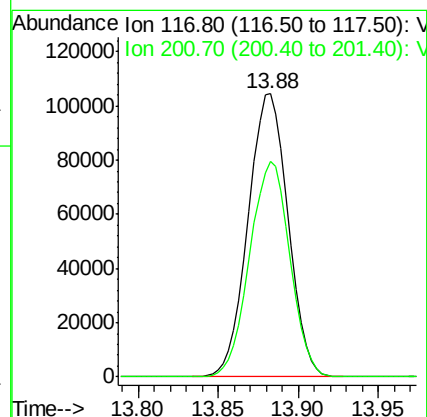
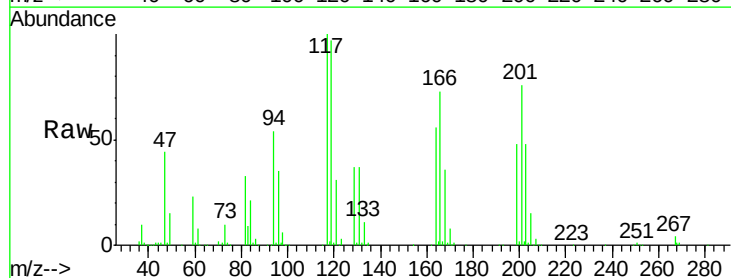
Acq: 20 Sep 2019 12:26

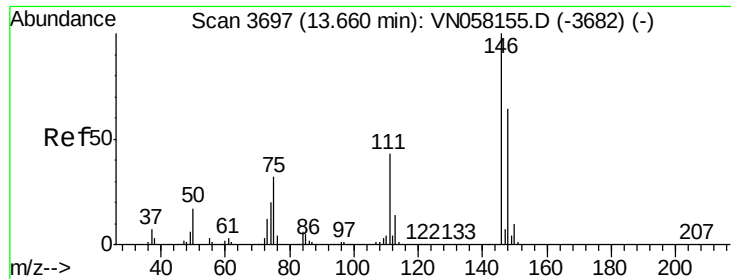
Tgt Ion: 117 Resp: 178152

Ion Ratio Lower Upper

117 100

201 76.7 37.5 112.5





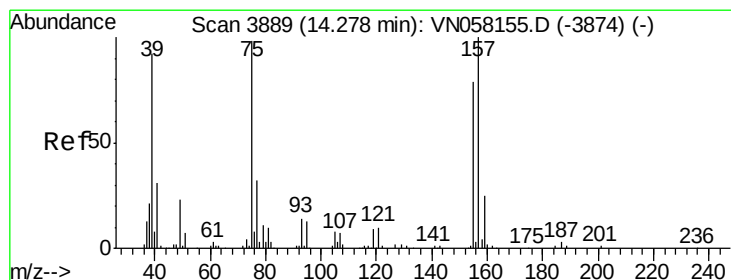
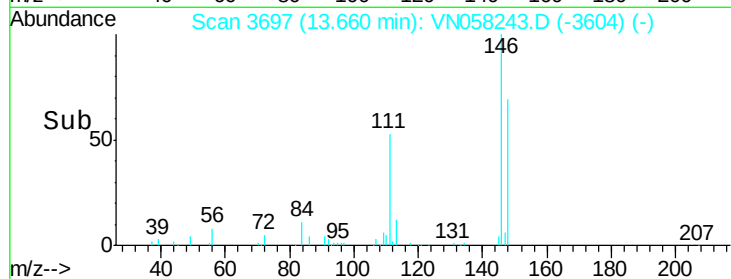
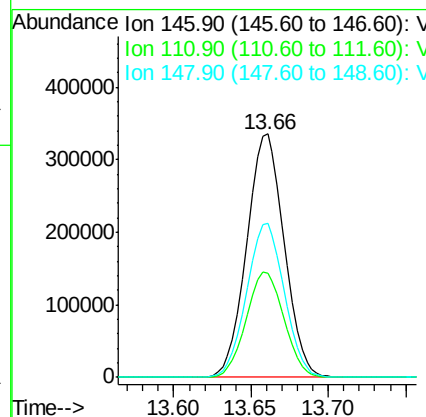
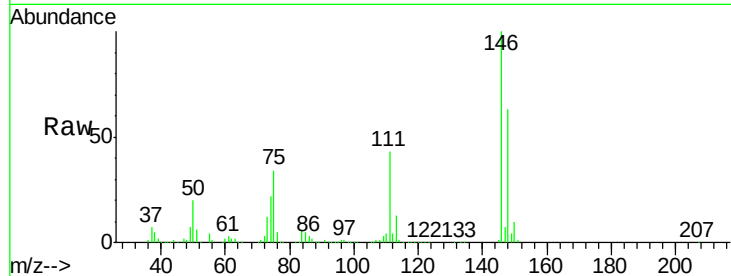
#91
 1,2-Dichlorobenzene
 Concen: 53.116 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	566326		
111	43.7	21.1	63.1	
148	63.7	31.8	95.4	

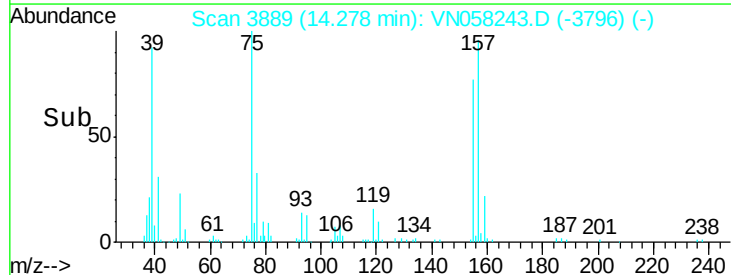
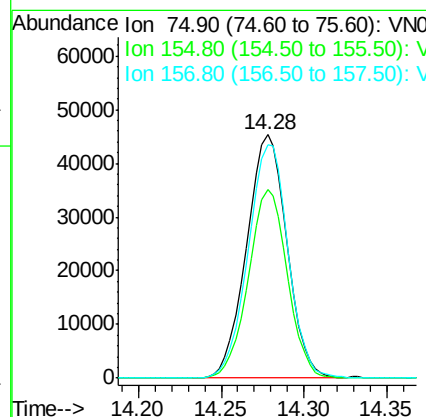
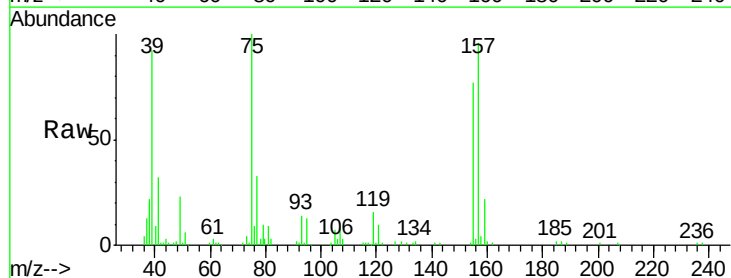
Manual Integrations
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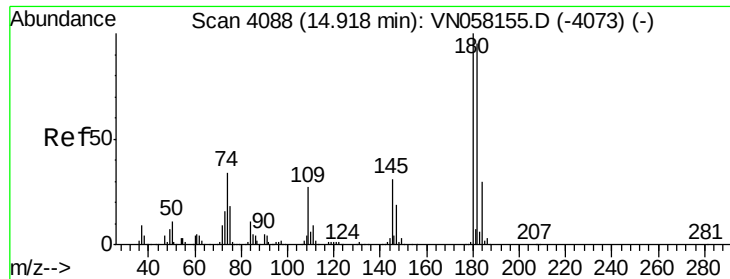
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.098 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76848		
155	74.6	38.3	114.8	
157	95.2	48.0	144.0	





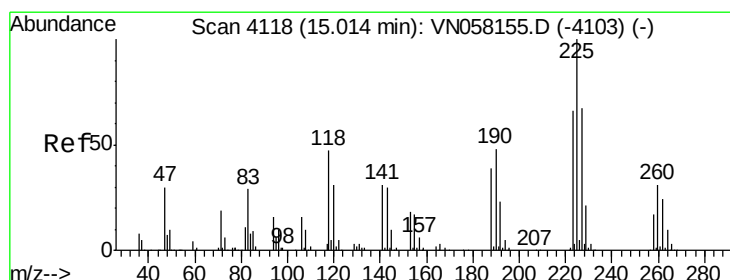
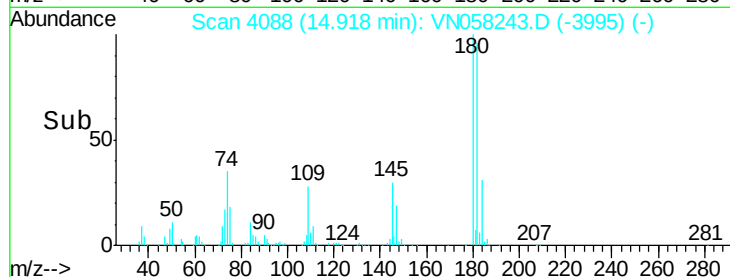
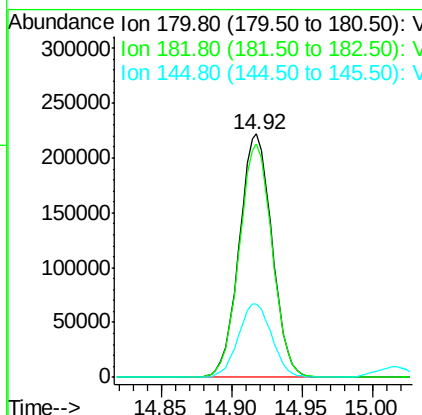
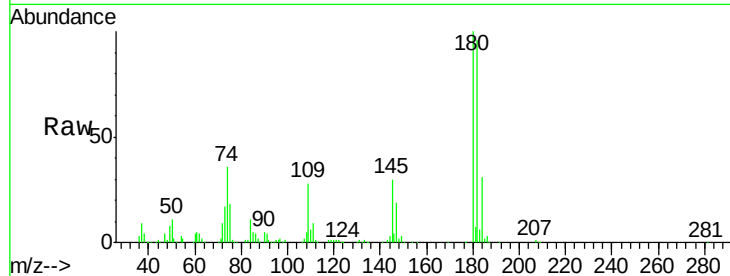
#93
 1,2,4-Trichlorobenzene
 Concen: 53.103 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	361754		
182	96.2	47.8	143.3	
145	30.7	15.4	46.4	

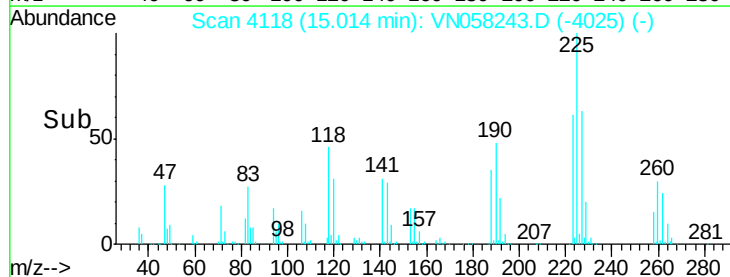
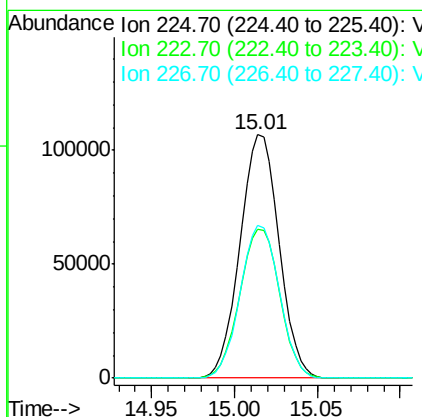
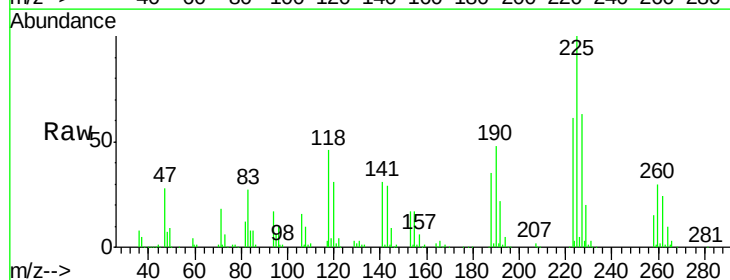
Manual Integrations
 APPROVED

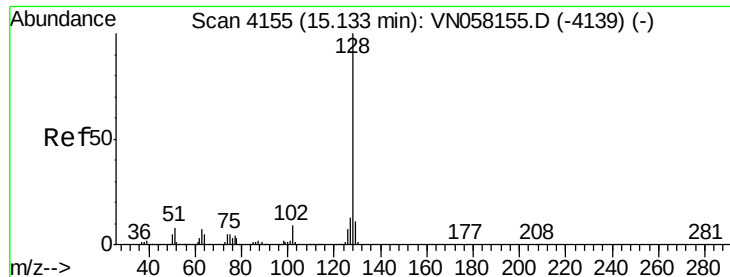
MMDadoda
 9/23/2019 3:29:51 PM



#94
 Hexachlorobutadiene
 Concen: 53.178 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175095		
223	62.8	32.6	97.7	
227	63.0	33.0	99.0	





#95

Naphthalene

Concen: 55.785 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

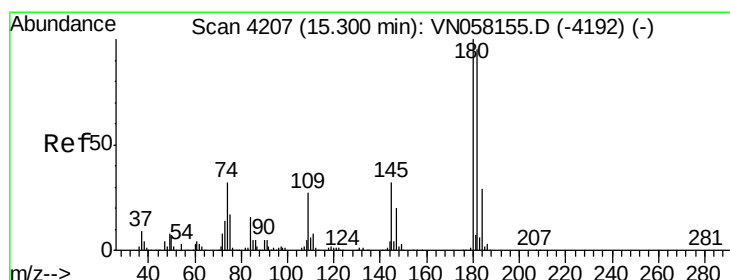
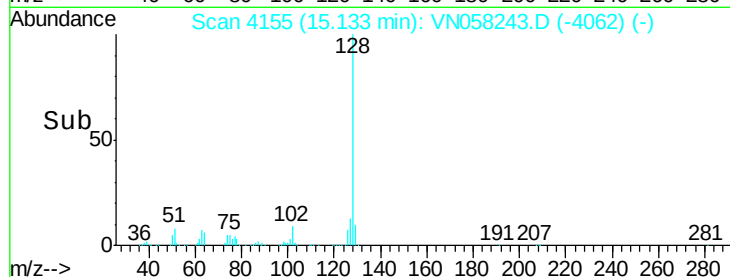
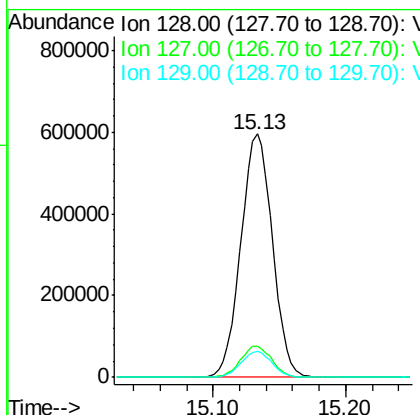
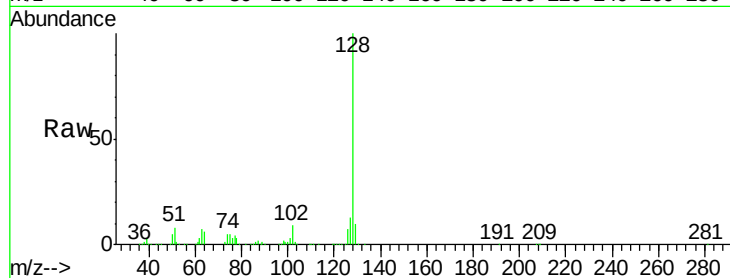
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	984854
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:29:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.073 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion:	180	Resp:	341729
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.4	142.2
145	32.7	16.1	48.2

