

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
 Data File : VN057466.D
 Acq On : 23 Aug 2019 10:54
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:12:05 PM

Quant Time: Aug 23 23:10:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 22:53:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	75304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	437252	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	394617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213208	39.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.70%
60) 4-Bromofluorobenzene	12.40	95	205129	34.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	115.73%
63) Toluene-d8	10.08	98	576842	31.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	623036	161.320	ug/l 99
3) Chloromethane	2.04	50	861188	180.018	ug/l 99
4) Vinyl Chloride	2.17	62	1102946	220.500	ug/l 99
5) Bromomethane	2.53	94	703726m	192.159	ug/l
6) Chloroethane	2.68	64	716504	211.970	ug/l 97
7) Trichlorofluoromethane	3.00	101	1695428	213.495	ug/l 95
8) Diethyl Ether	3.39	74	626244	210.850	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	934135	200.722	ug/l 98
10) 1,1-Dichloroethene	3.71	96	906941	199.087	ug/l 99
11) Methyl Iodide	3.92	142	768663	118.383	ug/l 100
12) Methyl Acetate	4.30	43	885530	176.753	ug/l 97
13) Acrolein	3.58	56	559673	1063.302	ug/l 98
14) Acrylonitrile	4.96	53	1704438	877.693	ug/l 99
15) Acetone	3.80	58	693680	1029.212	ug/l 93
16) Carbon Disulfide	4.02	76	1716688	153.247	ug/l 99
17) Allyl chloride	4.29	41	1327020	202.699	ug/l 98
18) Methylene Chloride	4.52	84	708426	151.843	ug/l 98
19) trans-1,2-Dichloroethene	5.00	96	653606	148.639	ug/l 99
20) Diisopropyl ether	5.93	45	2790915	203.730	ug/l 96
21) 1,1-Dichloroethane	5.82	63	1443598	178.637	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	817212	157.947	ug/l 99
23) tert-Butyl Alcohol	4.79	59	601458	863.767	ug/l 100
24) Methyl tert-Butyl Ether	5.02	73	2180585	167.722	ug/l 99
25) Chloroform	7.36	83	1443263	173.608	ug/l 100
26) Cyclohexane	7.63	56	1274559	187.309	ug/l # 98
29) 1,1-Dichloropropene	7.77	75	1090587	167.652	ug/l 99
30) 2-Butanone	6.82	43	2575485	948.394	ug/l 99
31) 2,2-Dichloropropane	6.80	77	1230269	170.819	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	1263467	165.876	ug/l 98
33) Carbon Tetrachloride	7.75	117	1056600	157.762	ug/l 98
34) Benzene	8.03	78	3169102	161.358	ug/l # 89
35) Methacrylonitrile	7.16	41	559625	158.227	ug/l 94
36) 1,2-Dichloroethane	8.11	62	1231157	184.683	ug/l # 88
37) Trichloroethene	8.82	130	725579	132.924	ug/l 95
38) Methylcyclohexane	9.07	83	1212299	159.743	ug/l 98
39) 1,2-Dichloropropane	9.11	63	897303	174.590	ug/l 95
40) Dibromomethane	9.20	93	552875	165.164	ug/l 99

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41) Bromodichloromethane	9.39	83	1190676	174.528	ug/l #	97
42) Vinyl Acetate	5.87	43	11844523	1029.641	ug/l	99
43) Ethyl Acetate	6.91	43	1063364	194.417	ug/l	99
44) Isopropyl Acetate	8.16	43	1948078	198.896	ug/l #	92
45) 1,4-Dioxane	9.20	88	227979	2720.637	ug/l	95
46) Methyl methacrylate	9.19	41	920721	206.775	ug/l	99
47) n-amyl Acetate	12.07	43	1710138	231.956	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1306871	178.401	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	1395978	171.195	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	738352	154.352	ug/l	99
51) Ethyl methacrylate	10.43	69	1267175	178.096	ug/l	98
52) 1,3-Dichloropropane	10.70	76	1326944	165.950	ug/l	98
53) Dibromochloromethane	10.90	129	824069	152.448	ug/l	98
54) 1,2-Dibromoethane	11.00	107	768344	154.571	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	1790283	1076.852	ug/l	99
56) Bromoform	12.13	173	521213	132.494	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	5549934	977.757	ug/l	99
59) 2-Hexanone	10.75	43	3898385	965.109	ug/l	99
61) Tetrachloroethene	10.63	164	617817	112.997	ug/l	95
62) Toluene	10.15	91	3397481	153.713	ug/l	99
64) Chlorobenzene	11.43	112	1942202	143.985	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	709414	136.532	ug/l	98
66) Ethyl Benzene	11.51	91	3754601	156.260	ug/l	100
67) m/p-Xylenes	11.62	106	2697148	305.213	ug/l	98
68) o-Xylene	11.95	106	1303808	149.980	ug/l	98
69) Styrene	11.96	104	2248802	162.189	ug/l	98
70) Isopropylbenzene	12.25	105	3576924	154.179	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	1019289	158.609	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	907089m	164.658	ug/l	
73) Bromobenzene	12.53	156	741232	125.995	ug/l	98
74) n-propylbenzene	12.59	91	4247363	172.668	ug/l	100
75) 2-Chlorotoluene	12.67	91	2456854	162.856	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2944579	153.029	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	369649	175.730	ug/l	93
78) 4-Chlorotoluene	12.77	91	2485756	175.644	ug/l	99
79) tert-butylbenzene	12.99	119	2444181	143.648	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	2864016	157.721	ug/l	99
81) sec-Butylbenzene	13.17	105	3432436	160.830	ug/l	100
82) p-Isopropyltoluene	13.29	119	2972196	157.572	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	1299330	149.660	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1289364	157.482	ug/l	99
85) n-Butylbenzene	13.62	91	2738308	193.151	ug/l	98
86) Hexachloroethane	13.88	117	564676	154.039	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	1250603	151.487	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	201898	222.597	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	614860	207.610	ug/l	99
90) Hexachlorobutadiene	15.01	225	330103	94.313	ug/l	98
91) Naphthalene	15.13	128	1918115	272.906	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	613994	213.696	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

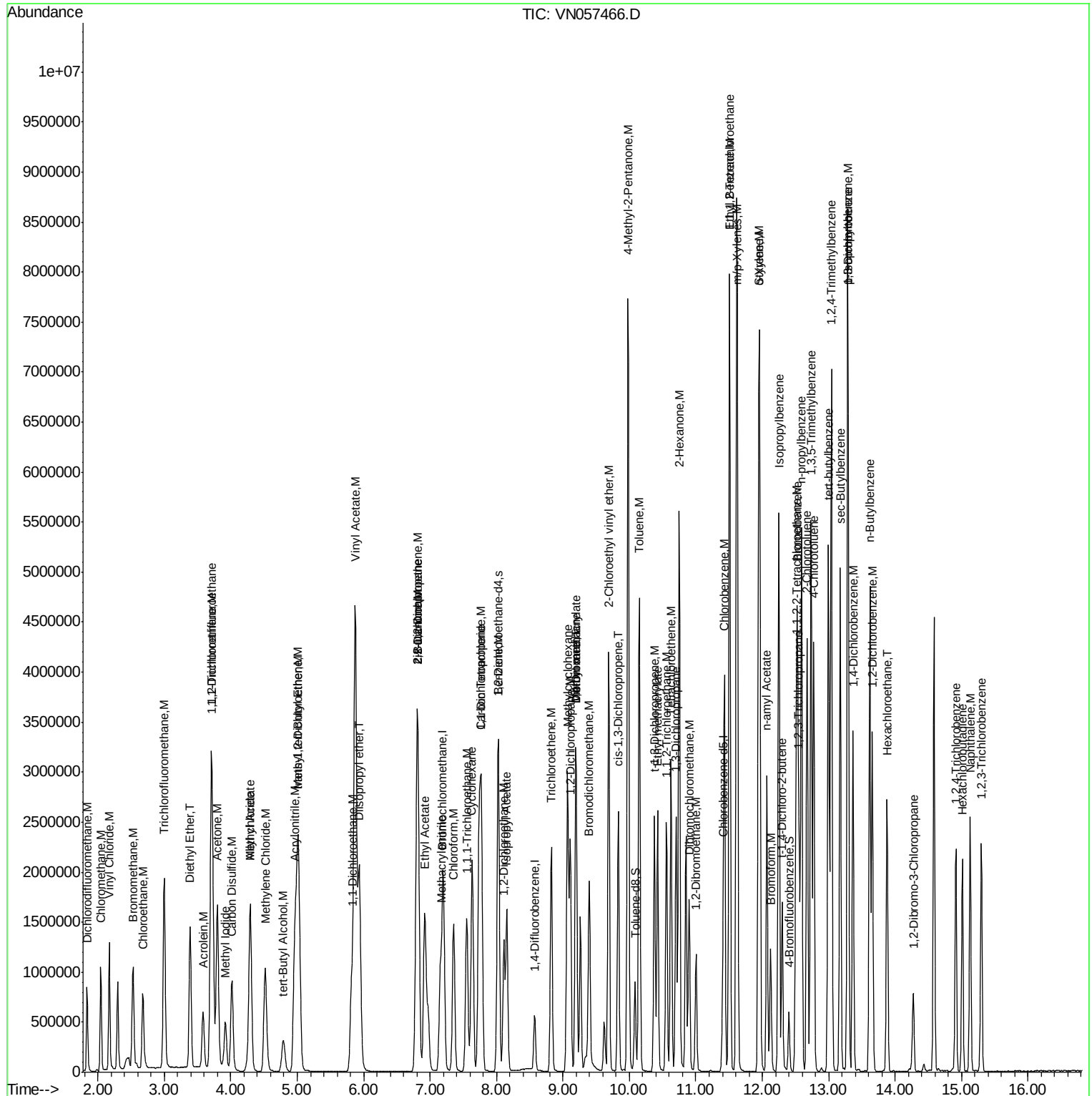
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Data File : VN057466.D
Acq On : 23 Aug 2019 10:54
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

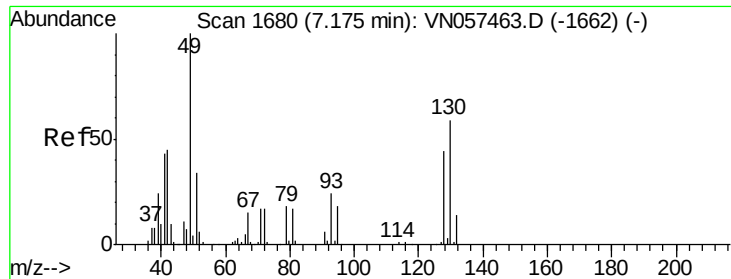
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

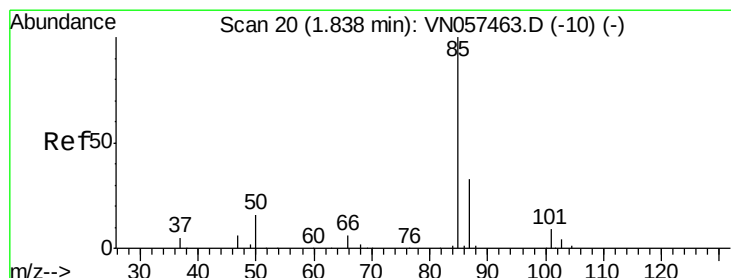
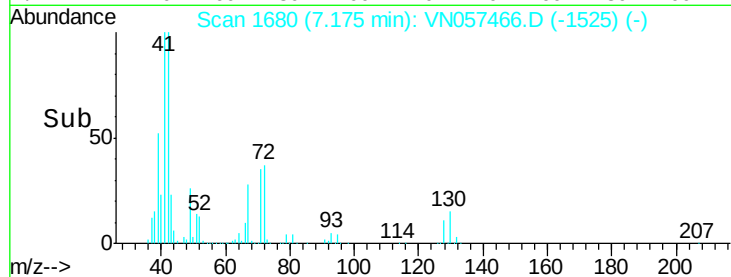
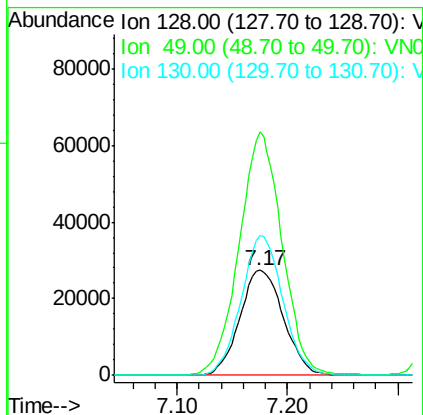
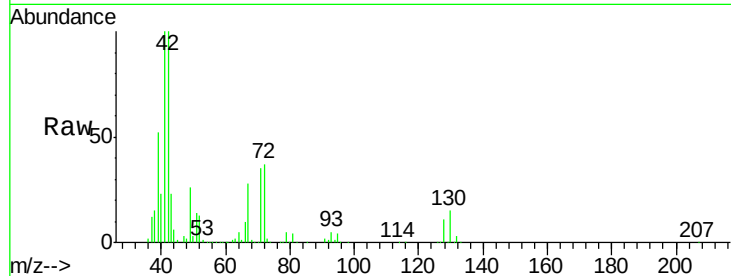
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	75304
Ion	Ratio	Lower	Upper
128	100		
49	227.4	0.0	560.5
130	126.9	0.0	317.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 161.320 ug/l

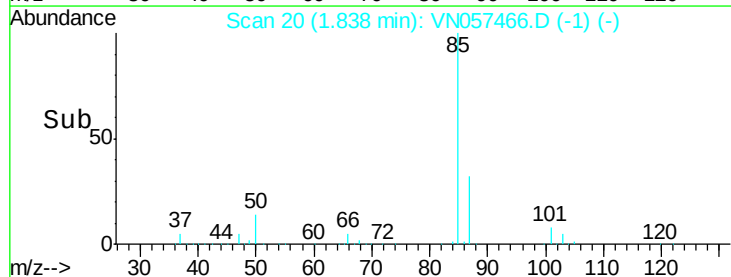
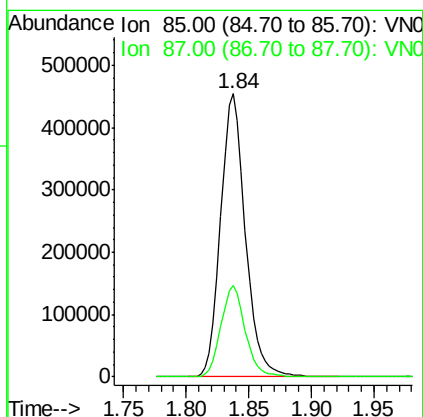
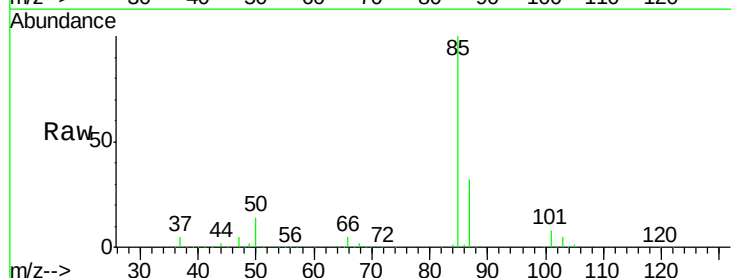
RT: 1.84 min Scan# 20

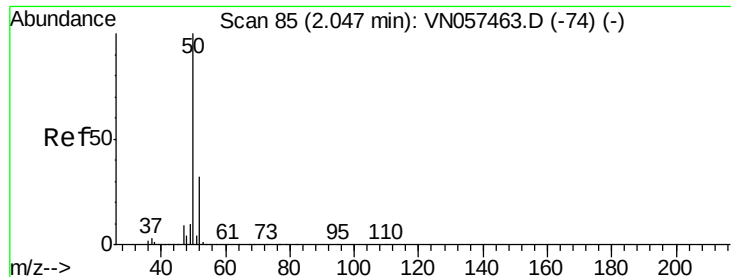
Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion:	85	Resp:	623036
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.4	49.1





#3

Chloromethane

Concen: 180.018 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 861188

Ion Ratio Lower Upper

50 100

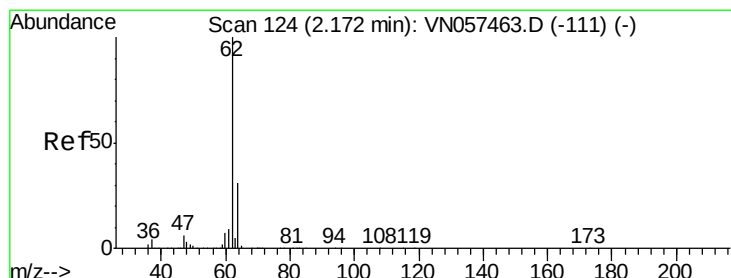
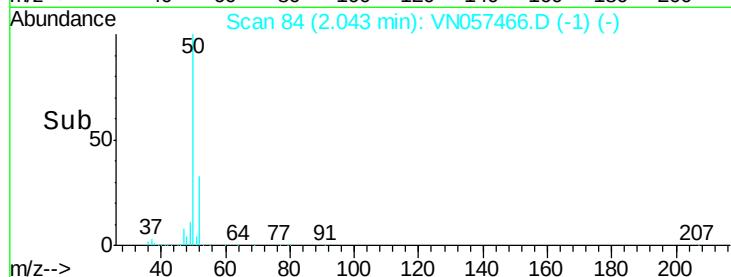
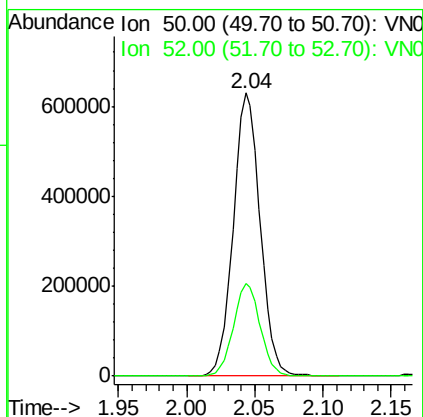
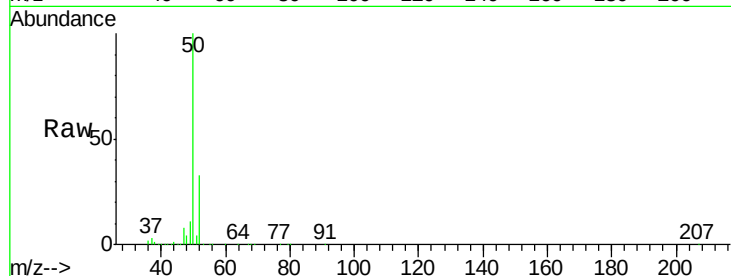
52 32.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 220.500 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057466.D

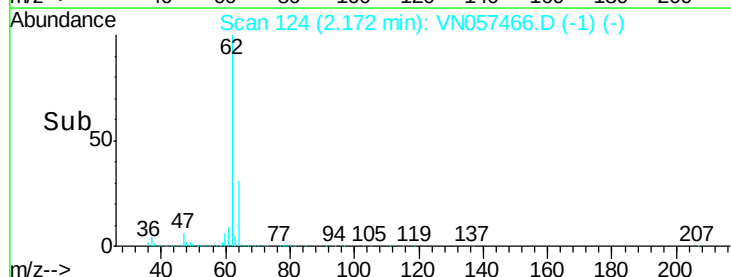
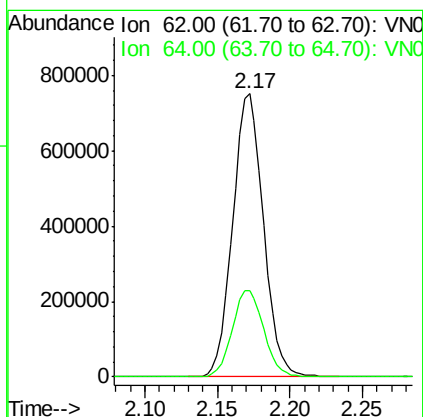
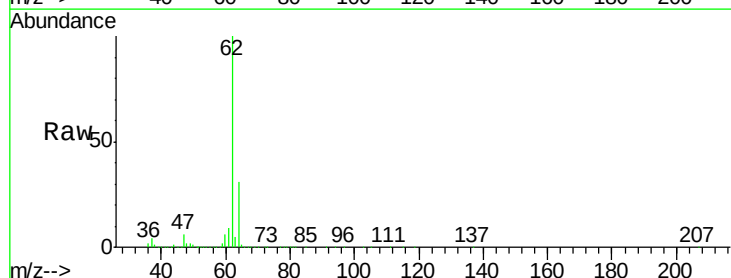
Acq: 23 Aug 2019 10:54

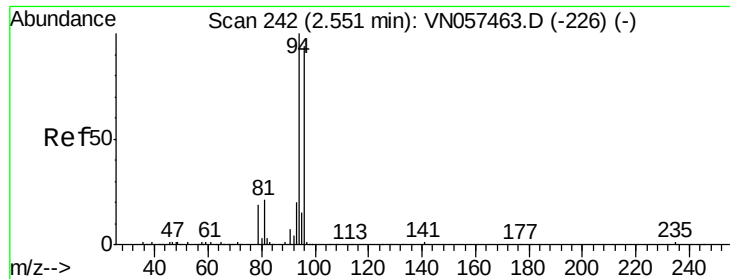
Tgt Ion: 62 Resp: 1102946

Ion Ratio Lower Upper

62 100

64 30.7 24.8 37.2





#5

Bromomethane

Concen: 192.159 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.02 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 703726

Ion Ratio Lower Upper

94 100

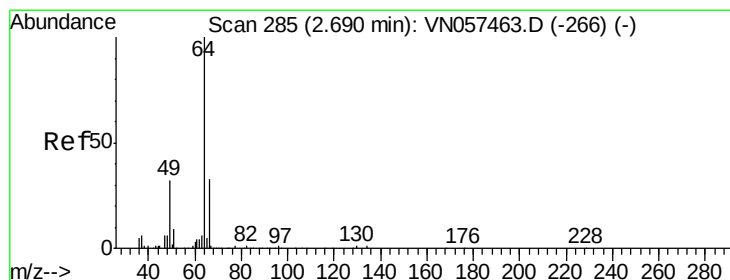
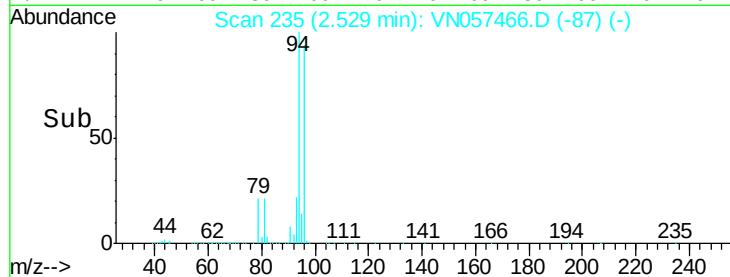
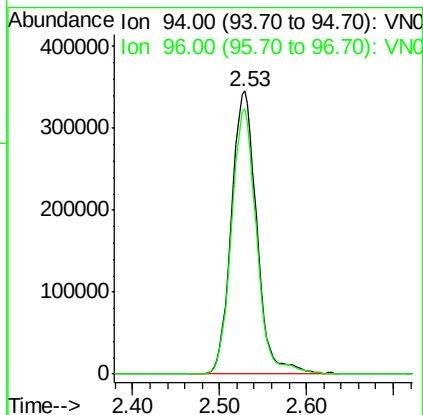
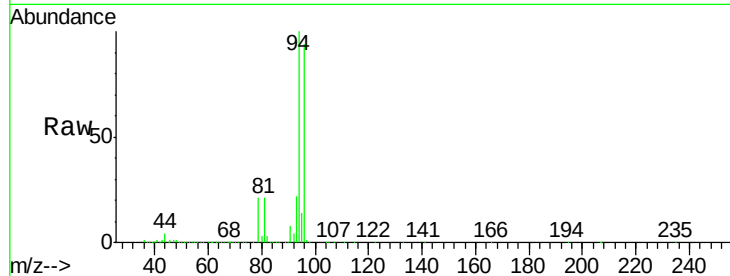
96 93.9 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 211.970 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057466.D

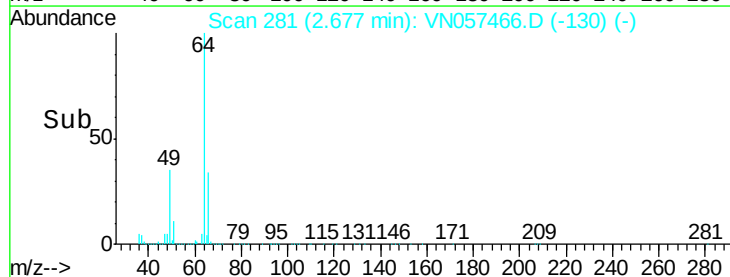
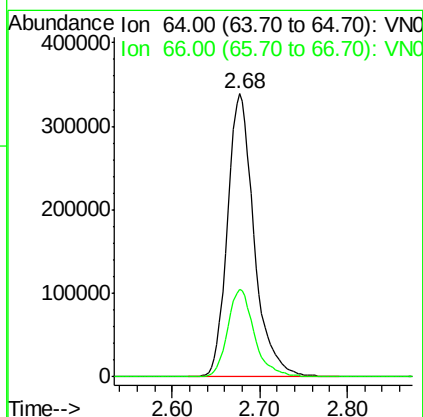
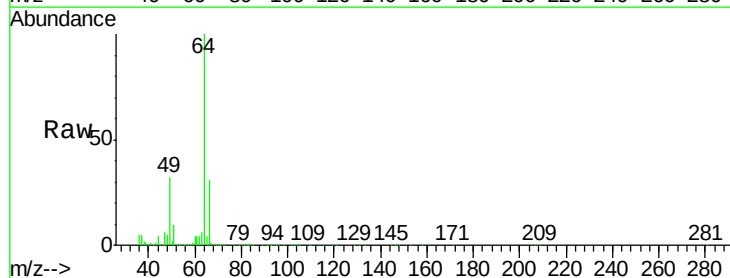
Acq: 23 Aug 2019 10:54

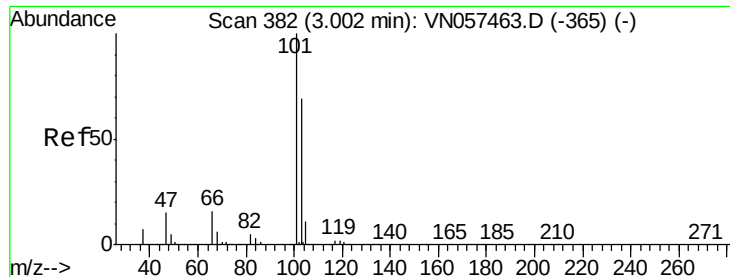
Tgt Ion: 64 Resp: 716504

Ion Ratio Lower Upper

64 100

66 31.0 26.3 39.5





#7

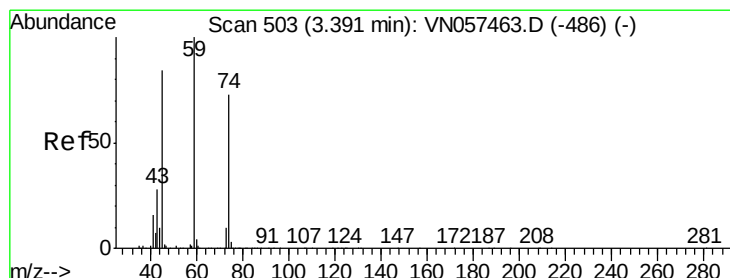
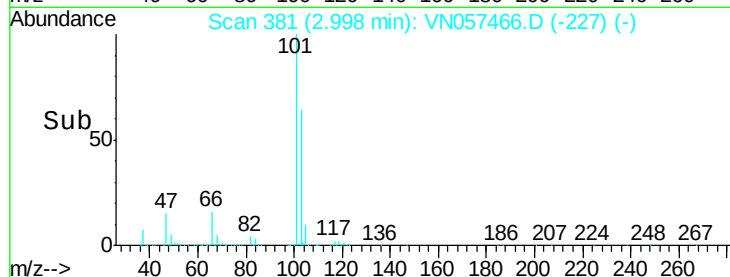
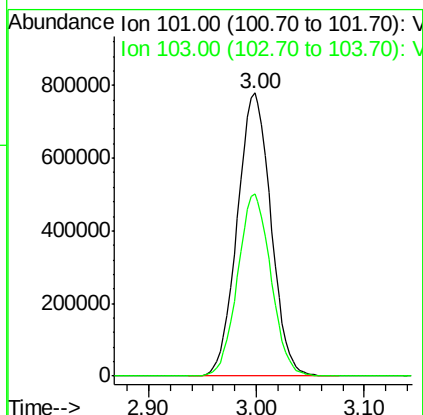
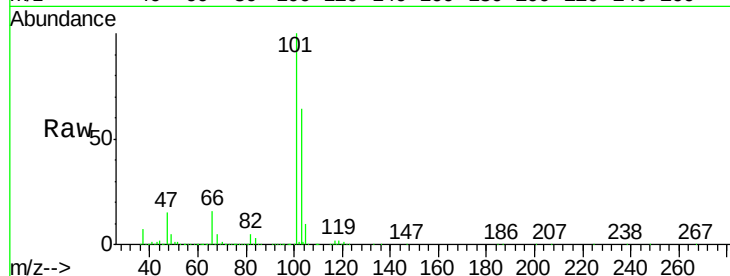
Trichlorofluoromethane
 Concen: 213.495 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

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 VSTDIC150

Tot Ion:101 Resp: 1695428
 Ion Ratio Lower Upper
 101 100
 103 64.3 55.0 82.4

Manual Integrations
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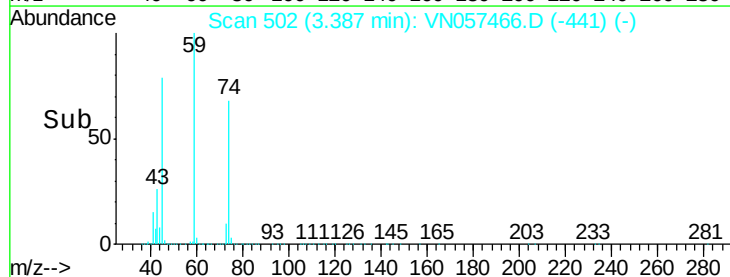
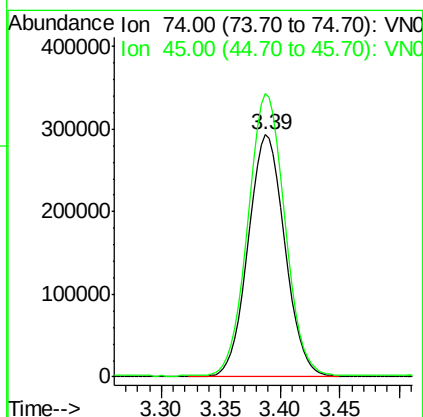
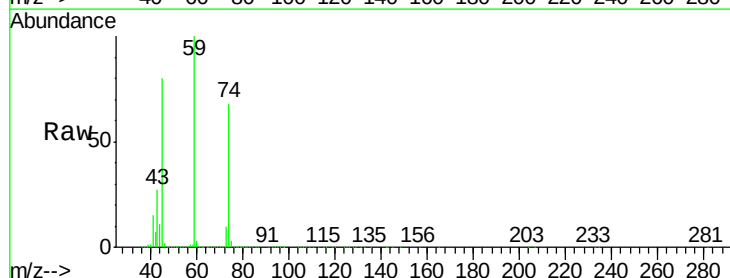
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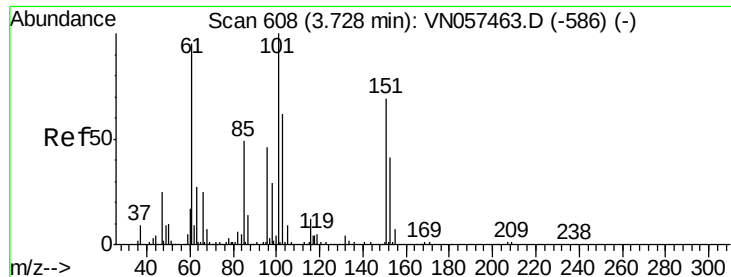


#8

Diethyl Ether
 Concen: 210.850 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 74 Resp: 626244
 Ion Ratio Lower Upper
 74 100
 45 116.9 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 200.722 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

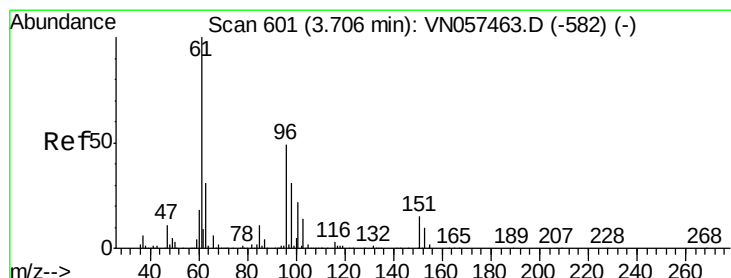
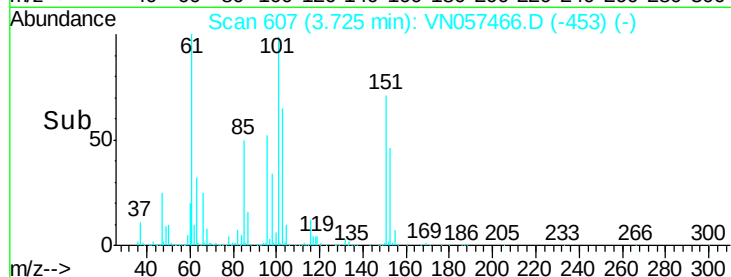
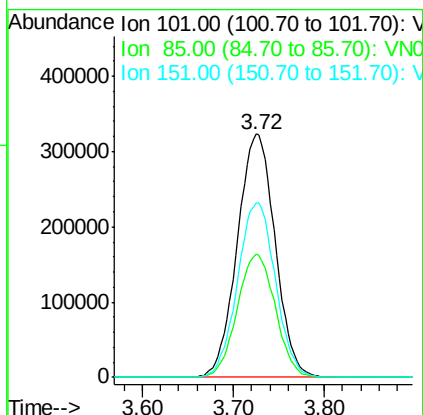
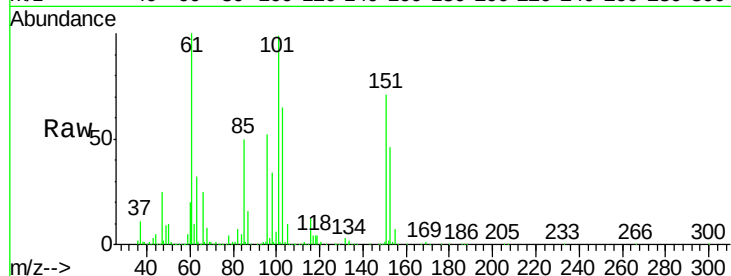
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	934135
Ion Ratio	Lower	Upper	
101	100		
85	50.7	0.0	101.6
151	72.0	0.0	139.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 199.087 ug/l

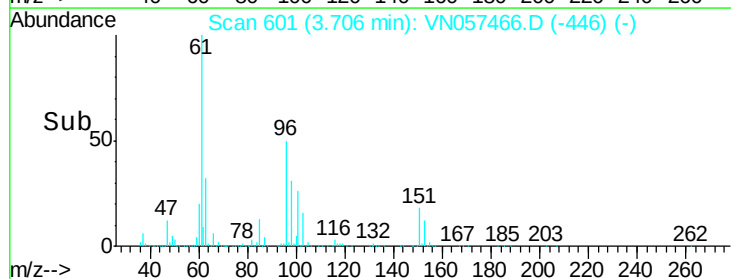
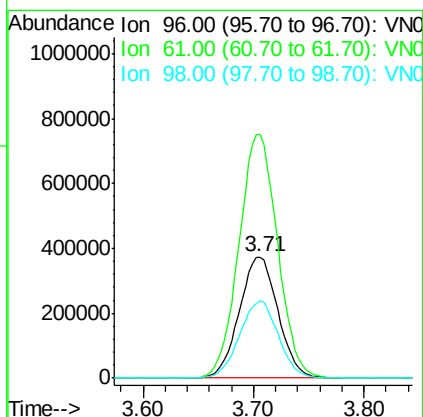
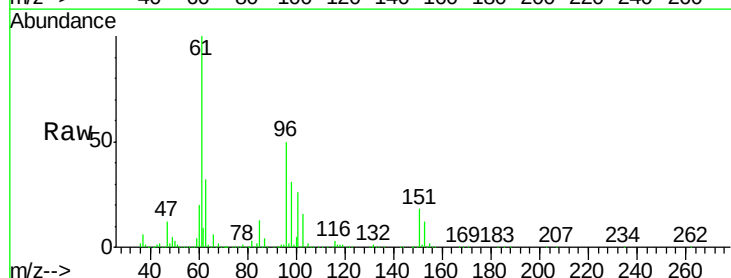
RT: 3.71 min Scan# 601

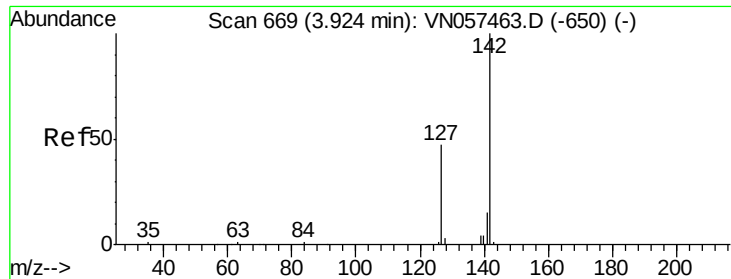
Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion:	96	Resp:	906941
Ion Ratio	Lower	Upper	
96	100		
61	200.8	162.6	244.0
98	63.2	51.1	76.7





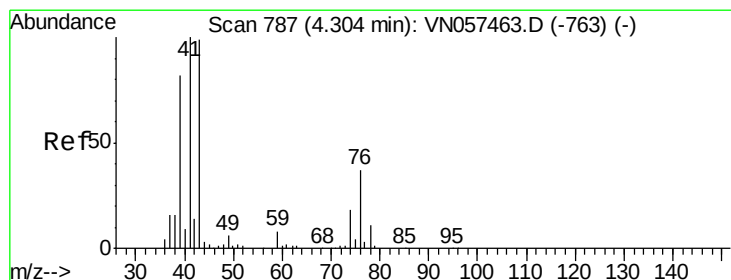
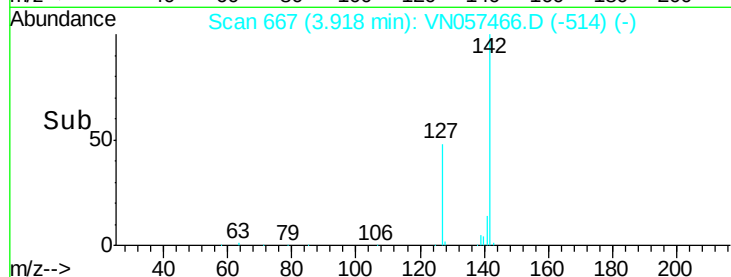
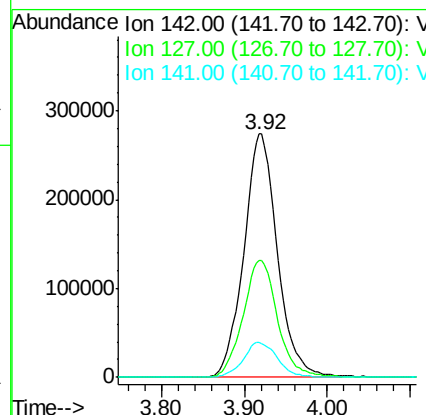
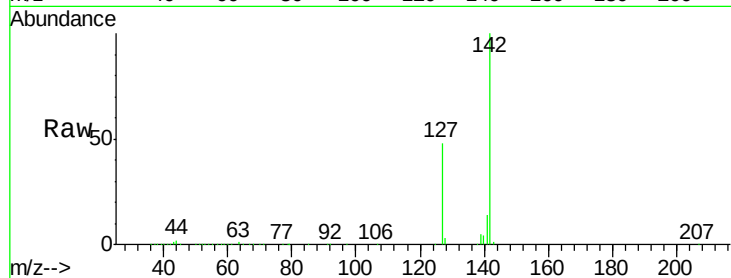
#11
Methyl Iodide
Concen: 118.383 ug/l
RT: 3.92 min Scan# 667
Delta R.T. -0.01 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.9	24.0	72.0
141	14.2	7.0	21.1

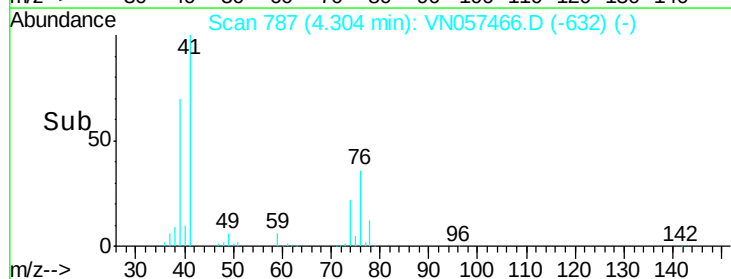
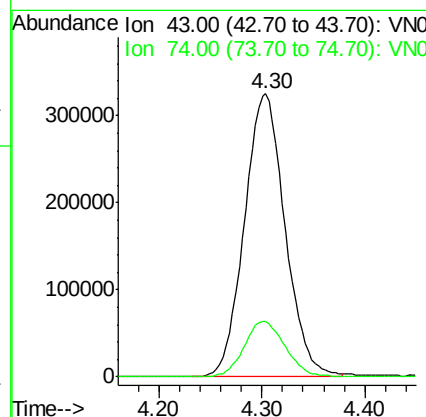
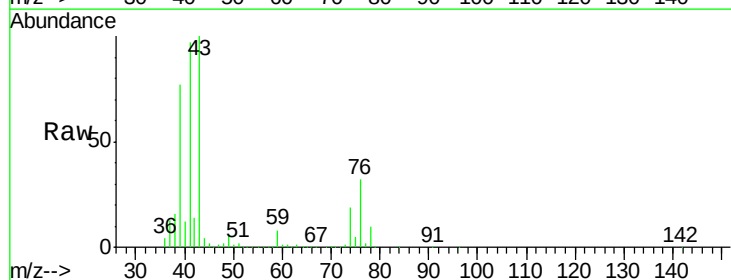
Manual Integrations
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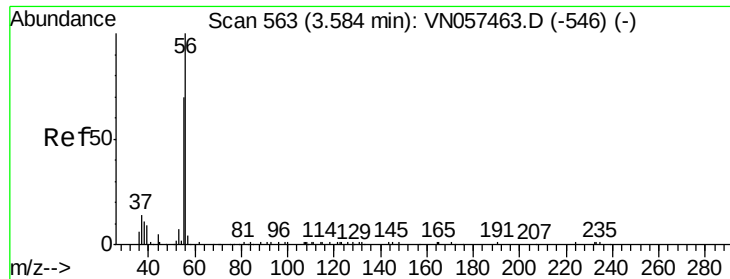
MMDadoda
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#12
Methyl Acetate
Concen: 176.753 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	14.6	22.0





#13

Acrolein

Concen: 1063.302 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 559673

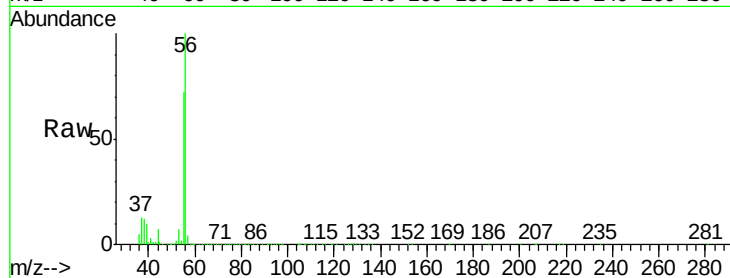
Ion Ratio Lower Upper

56 100

55 72.5 56.7 85.1

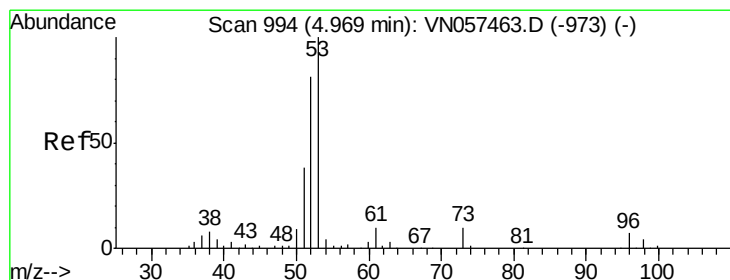
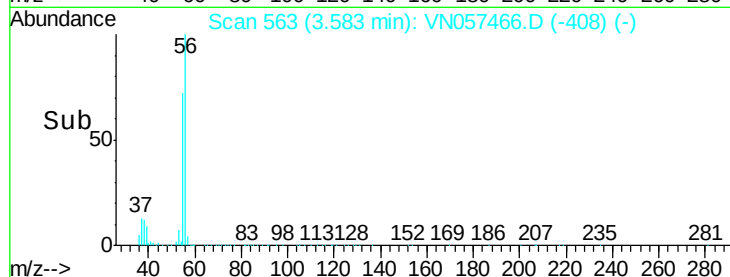
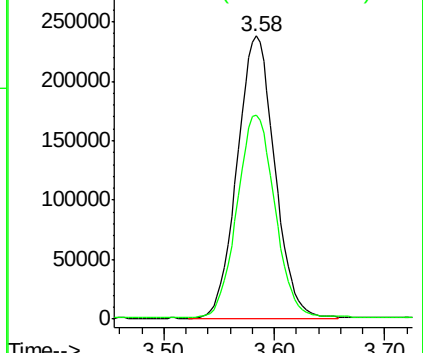
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 877.693 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

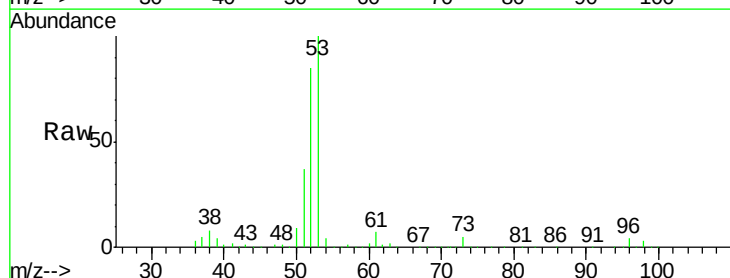
Tgt Ion: 53 Resp: 1704438

Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.9

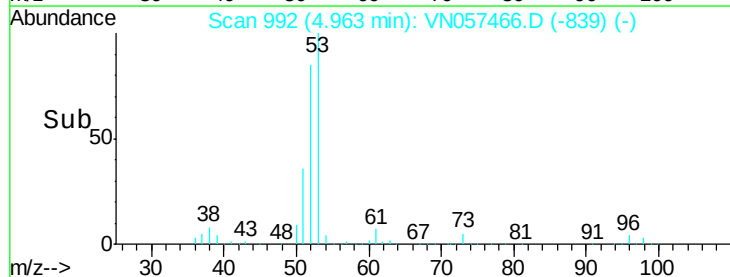
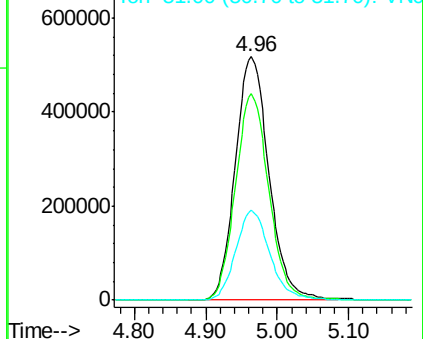
51 37.1 18.3 54.9

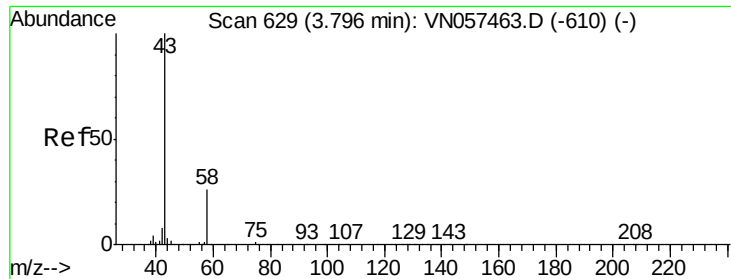


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 1029.212 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 693680

Ion Ratio Lower Upper

58 100

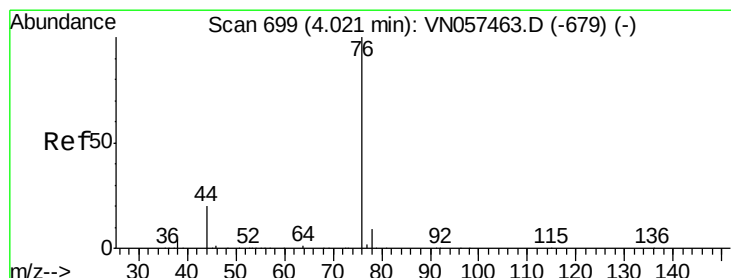
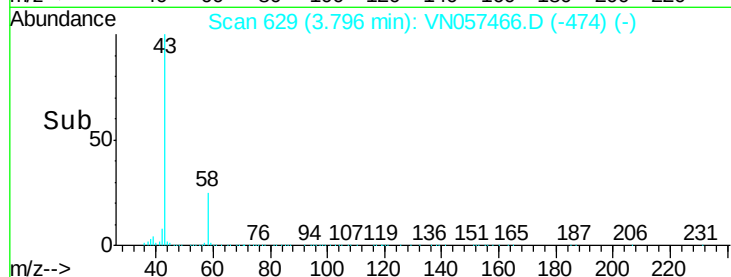
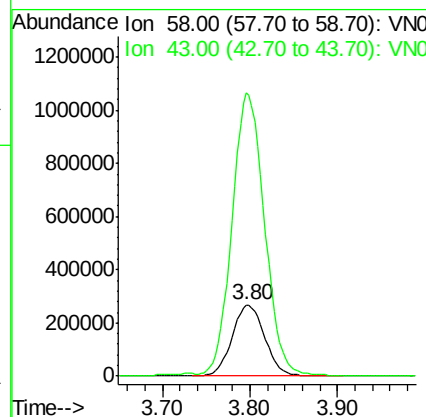
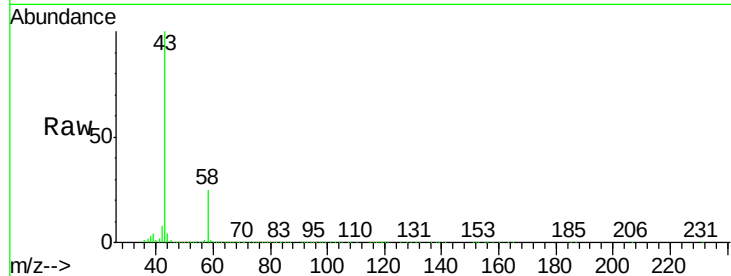
43 397.2 304.4 456.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 153.247 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057466.D

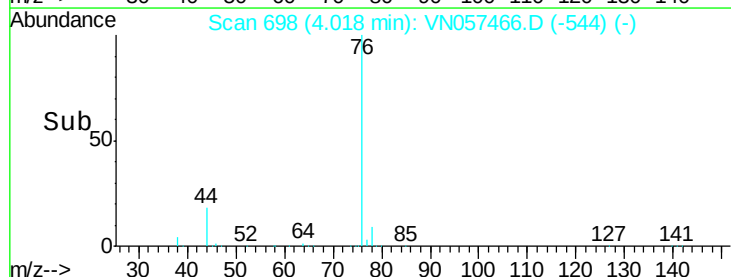
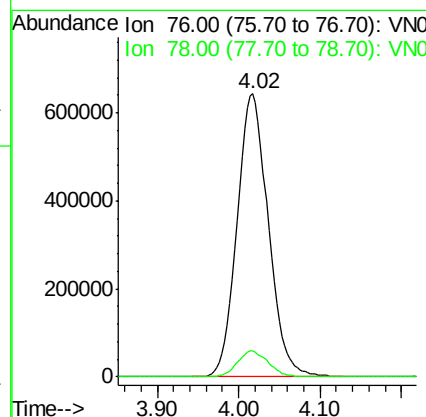
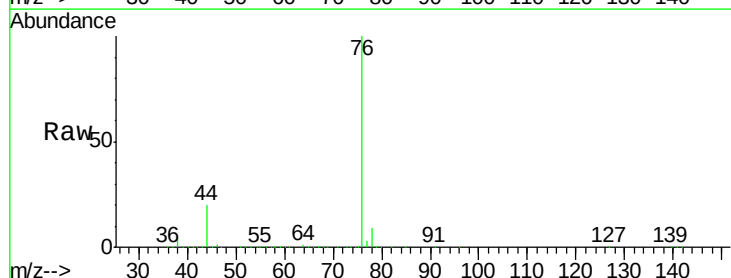
Acq: 23 Aug 2019 10:54

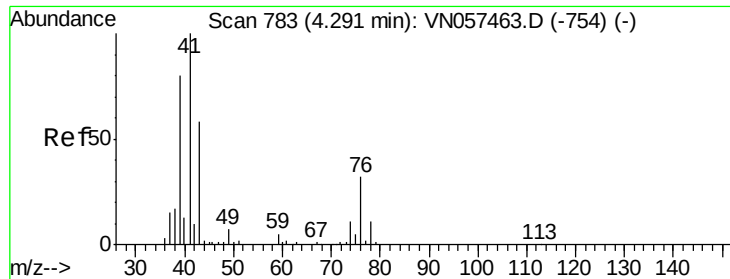
Tgt Ion: 76 Resp: 1716688

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#17

Allvl chloride

Concen: 202.699 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1327020

Ion Ratio Lower Upper

41 100

39 77.4 40.1 120.2

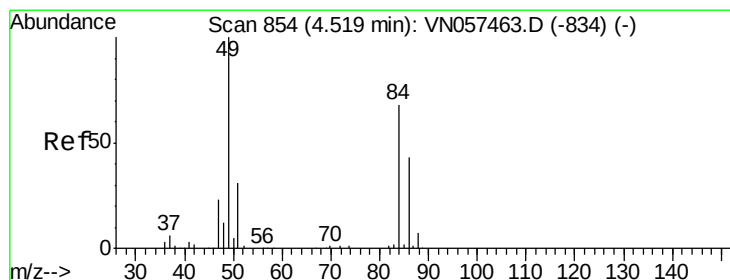
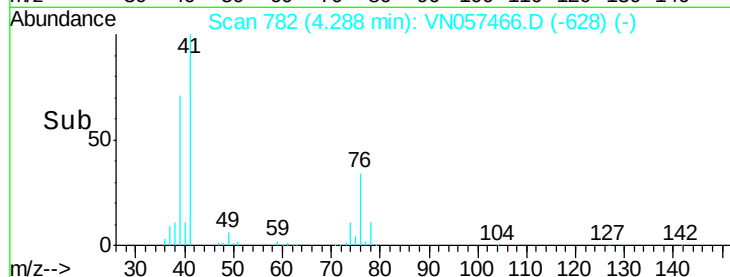
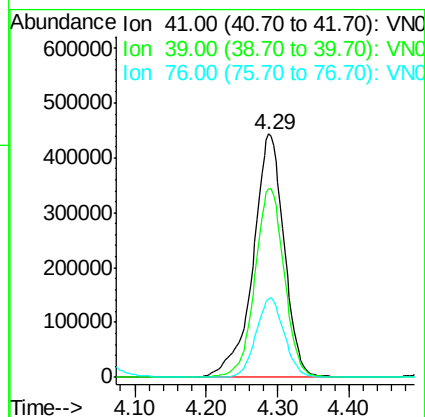
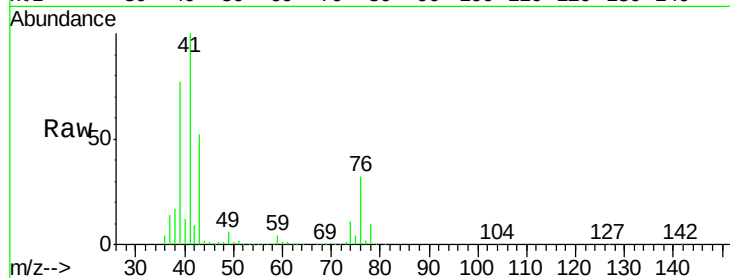
76 32.4 16.2 48.6

Manual Integrations

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#18

Methylene Chloride

Concen: 151.843 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion: 84 Resp: 708426

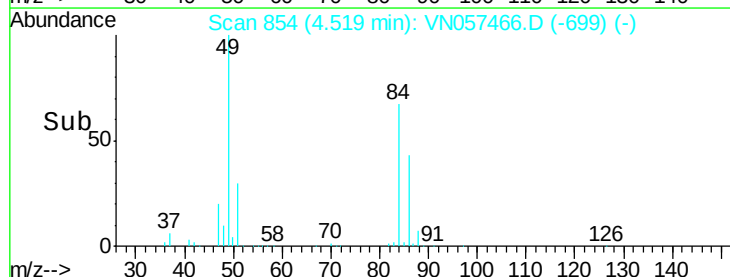
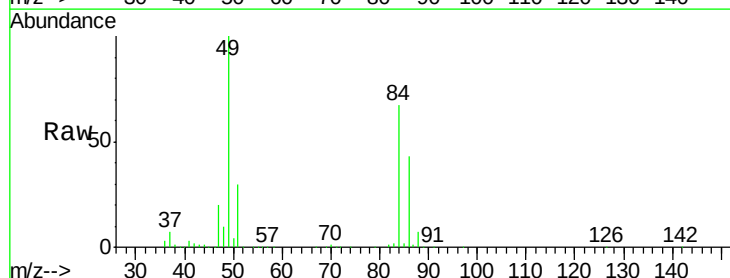
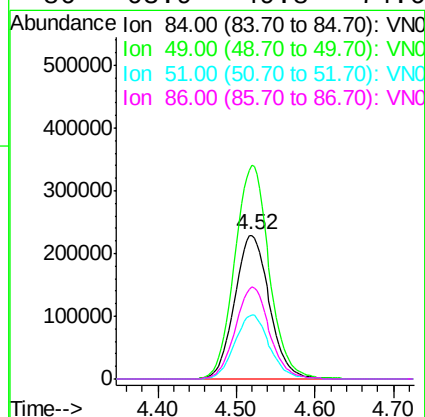
Ion Ratio Lower Upper

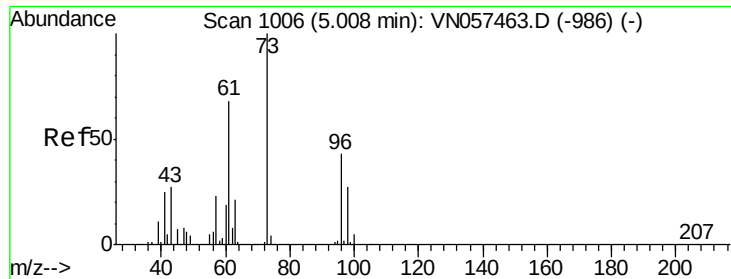
84 100

49 148.9 116.8 175.2

51 44.8 36.4 54.6

86 63.9 49.8 74.6





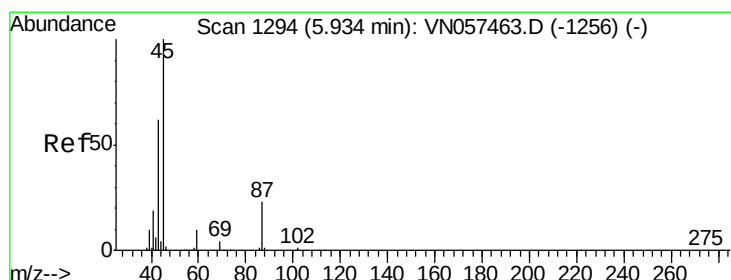
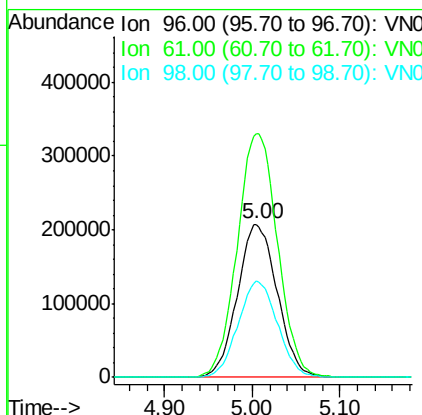
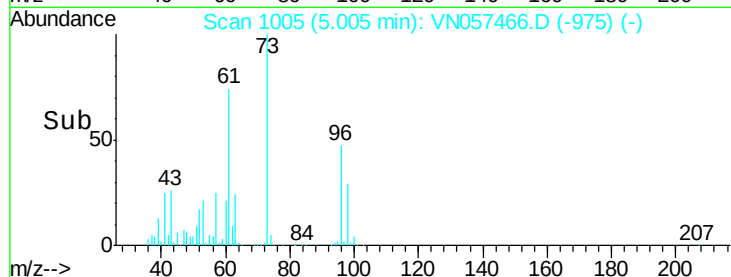
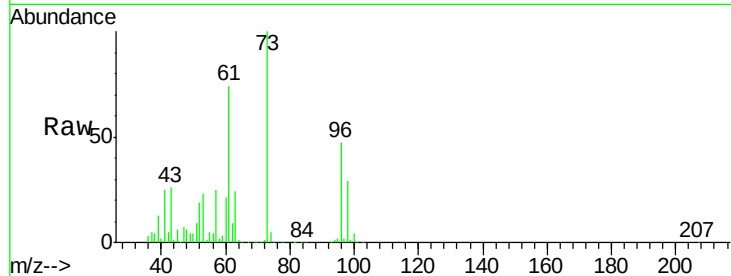
#19
trans-1,2-Dichloroethene
Concen: 148.639 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	127.6	191.4
98	62.6	51.5	77.3

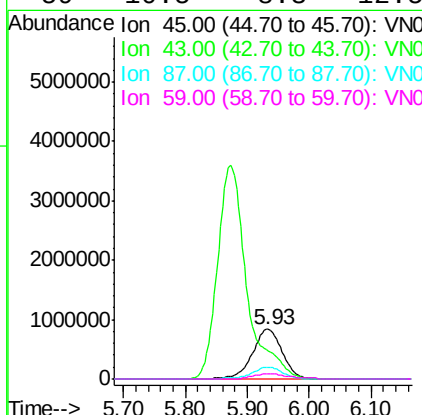
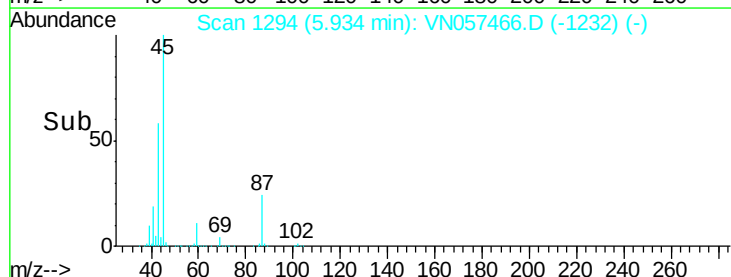
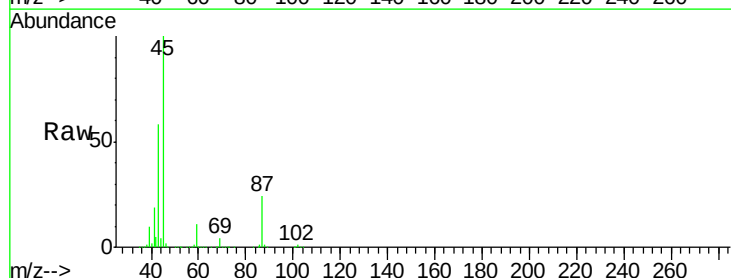
Manual Integrations
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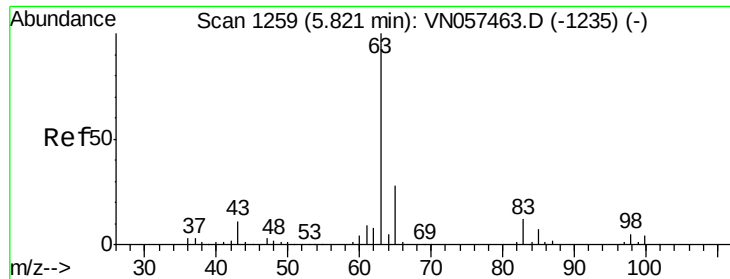
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#20
Diisopropyl ether
Concen: 203.730 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	49.9	74.9
87	23.7	19.1	28.7
59	10.5	8.3	12.5





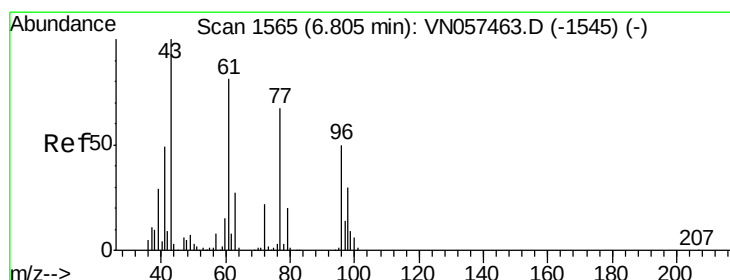
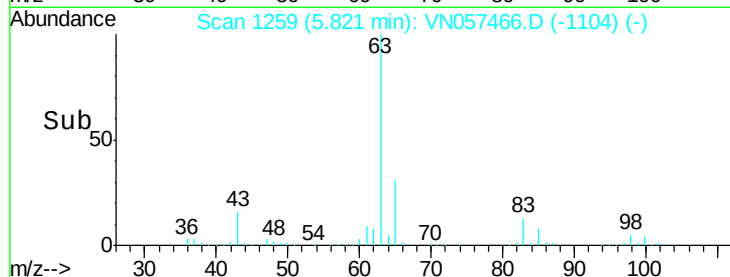
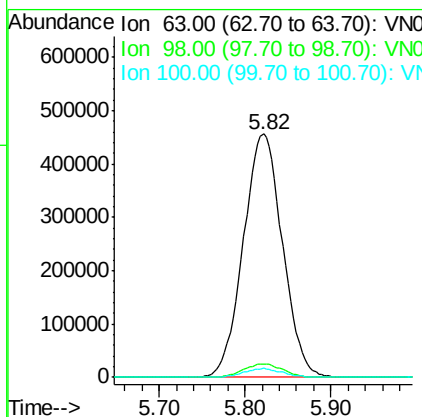
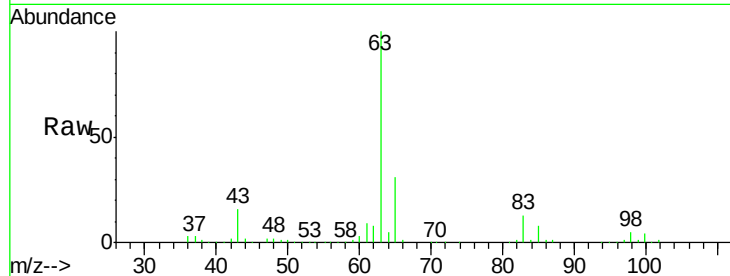
#21
 1,1-Dichloroethane
 Concen: 178.637 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.4	7.1
100	3.6	2.1	6.3

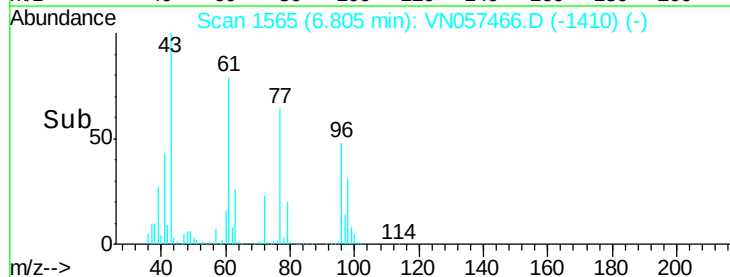
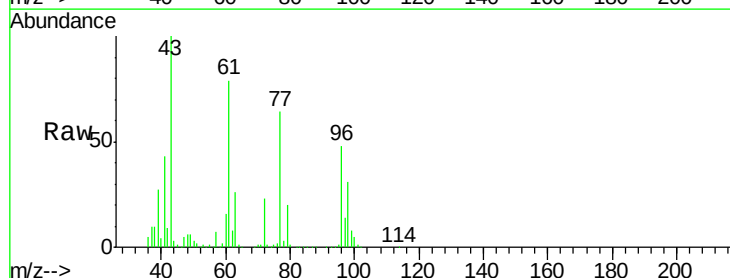
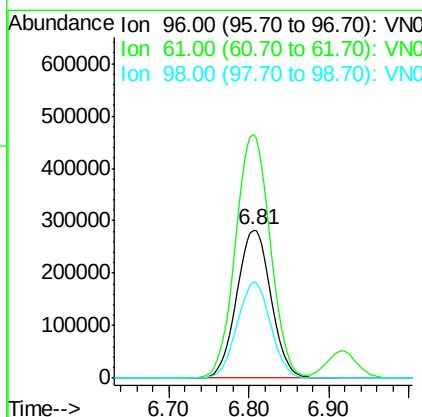
Manual Integrations
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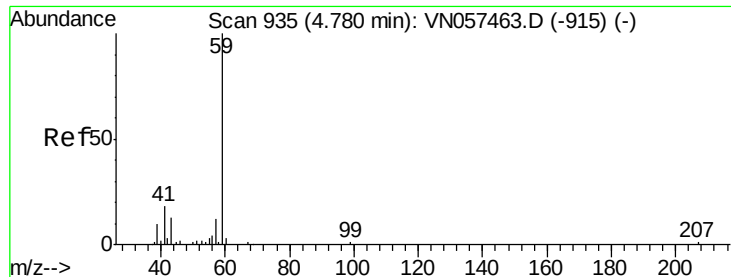
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#22
 cis-1,2-Dichloroethene
 Concen: 157.947 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	134.4	201.6
98	63.4	51.4	77.0





#23

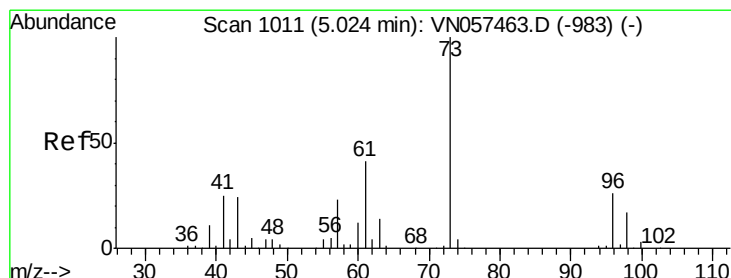
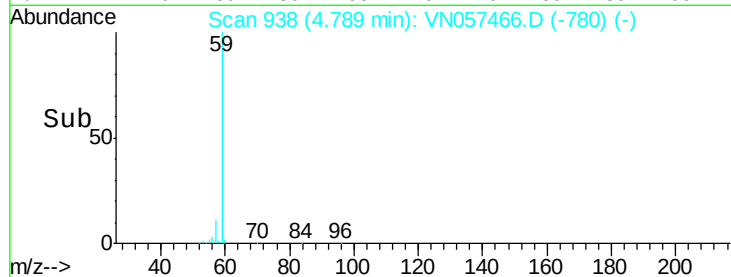
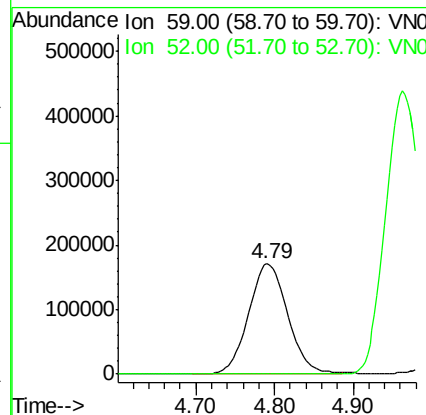
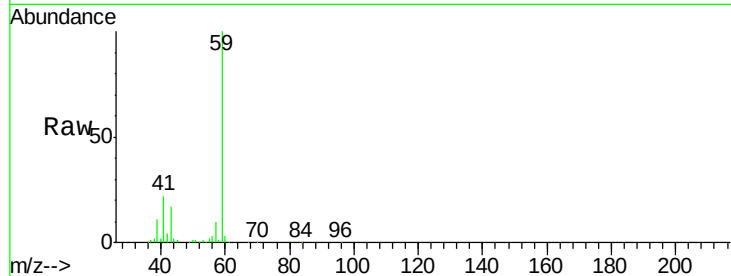
tert-Butyl Alcohol
Concen: 863.767 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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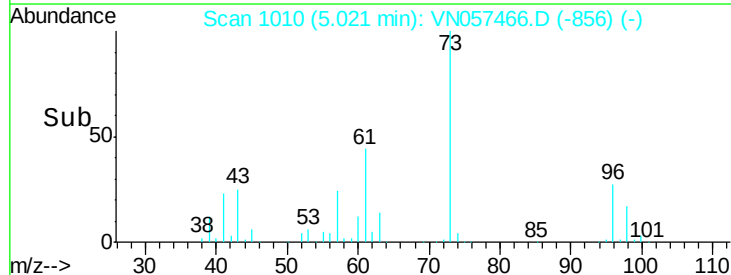
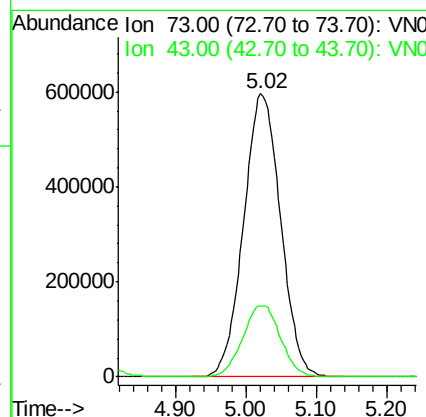
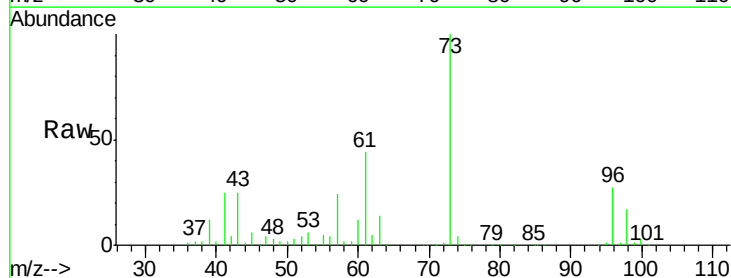
MMDadoda
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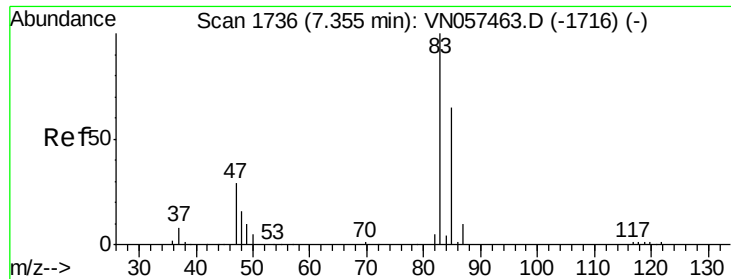


#24

Methyl tert-Butyl Ether
Concen: 167.722 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.4	20.1	30.1





#25

Chloroform

Concen: 173.608 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1443263

Ion Ratio Lower Upper

83 100

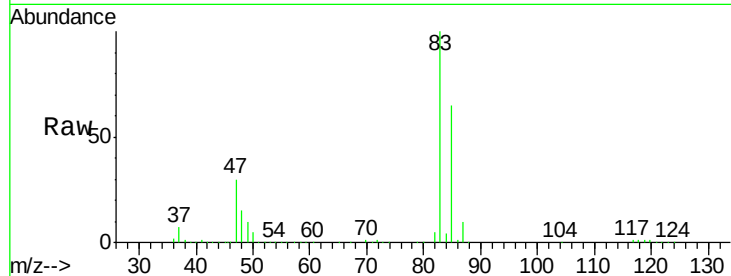
85 64.6 52.0 78.0

Manual Integrations

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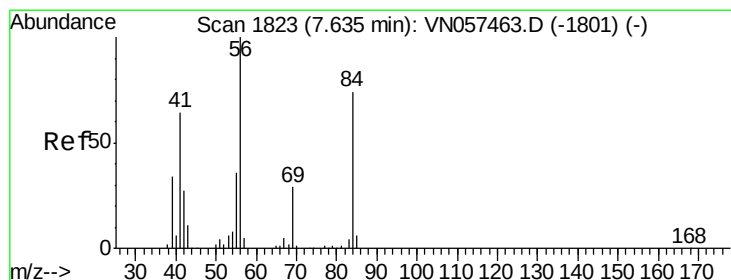
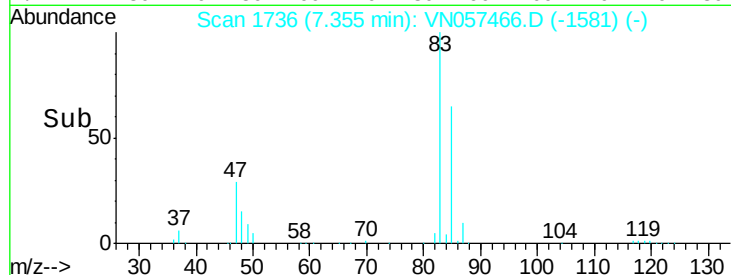
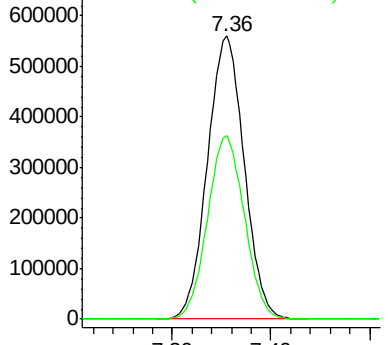
MMDadoda

8/26/2019 1:12:05 PM



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 187.309 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

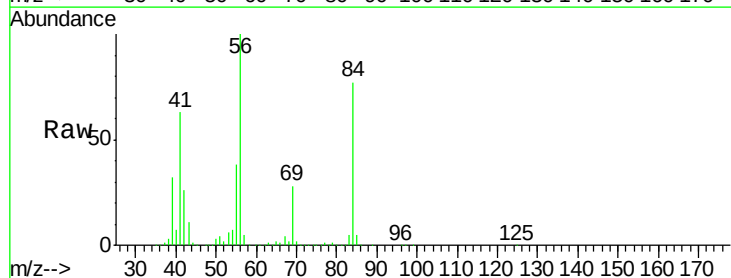
Tgt Ion: 56 Resp: 1274559

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

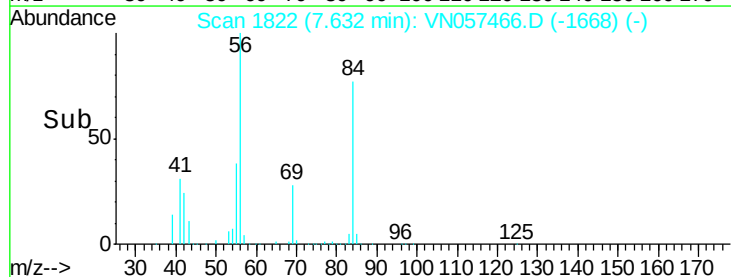
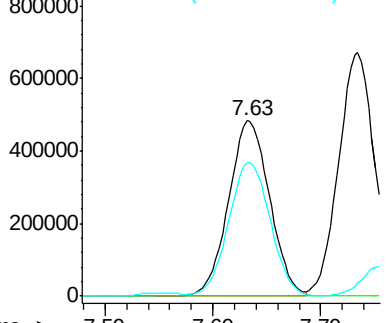
84 77.7 61.1 91.7

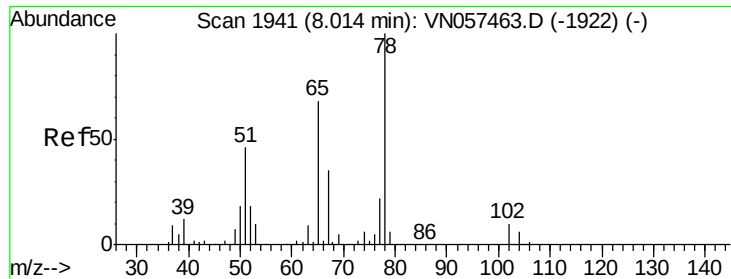


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





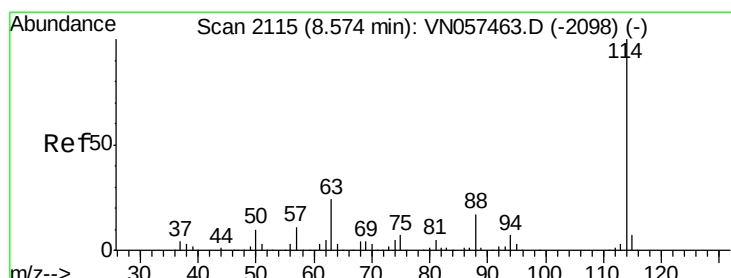
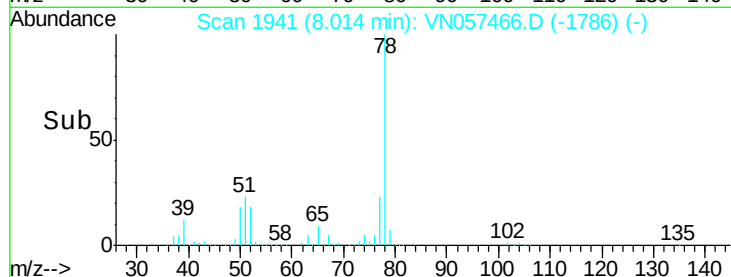
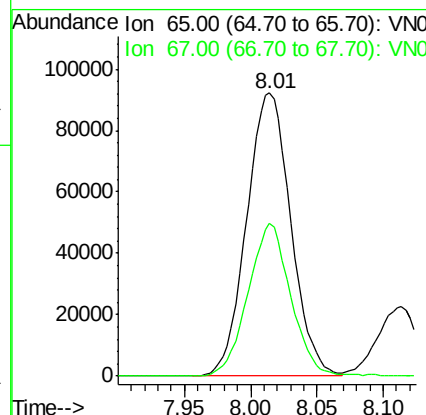
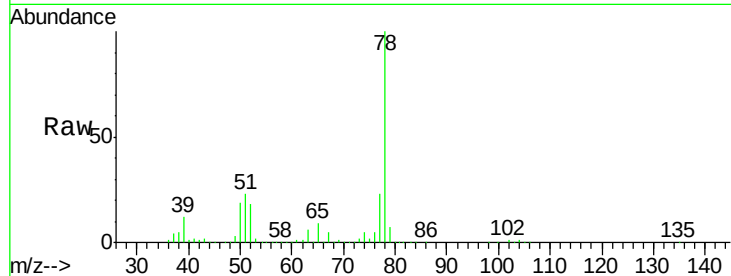
#27
 1,2-Dichloroethane-d4
 Concen: 39.811 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	40.2	60.4

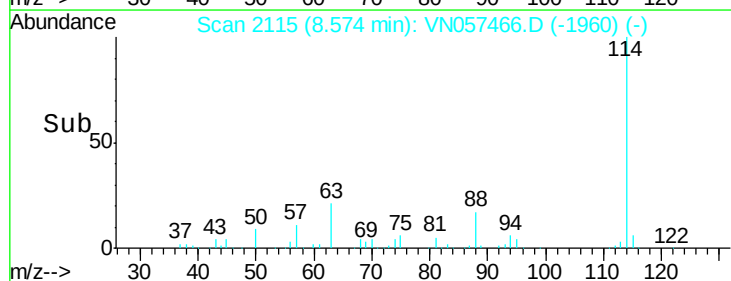
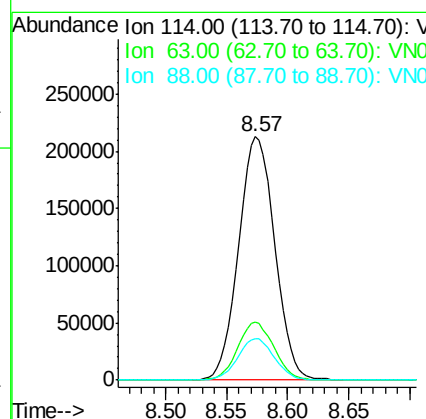
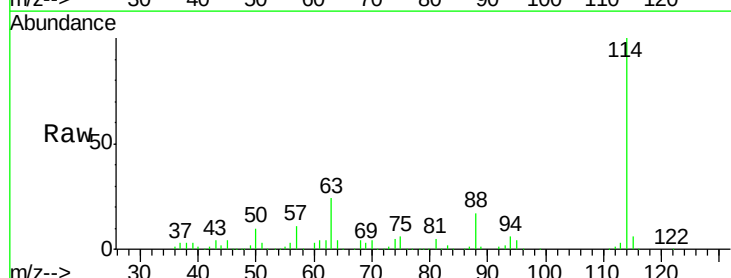
Manual Integrations
 APPROVED

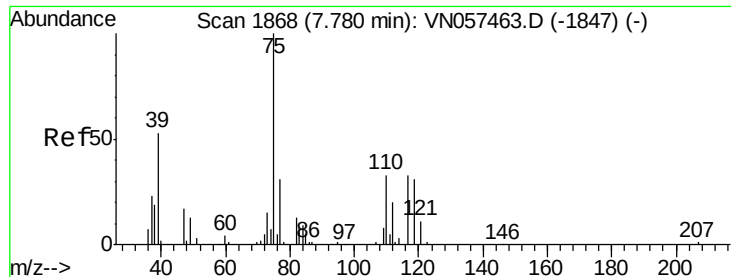
MMDadoda
 8/26/2019 1:12:05 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	17.1	13.1	19.7





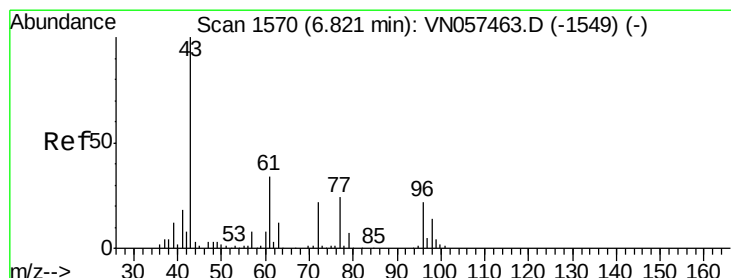
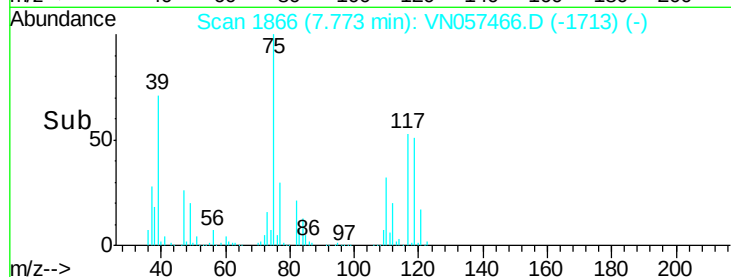
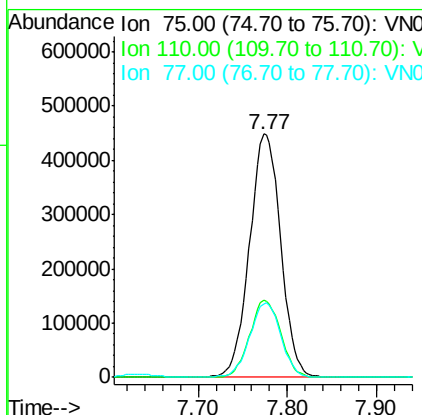
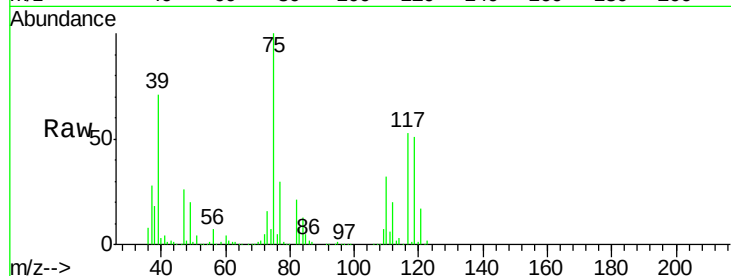
#29
 1,1-Dichloropropene
 Concen: 167.652 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.5	0.0	64.0
77	30.6	0.0	63.4

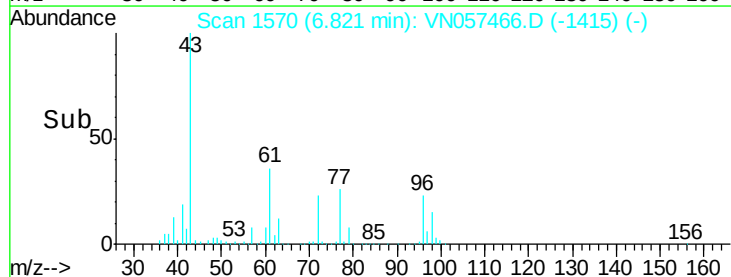
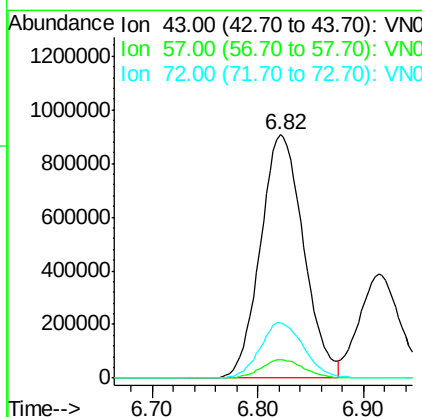
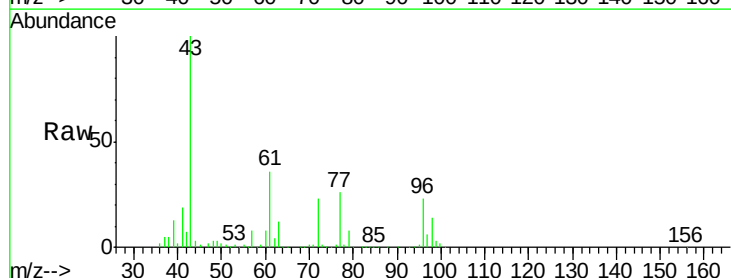
Manual Integrations
 APPROVED

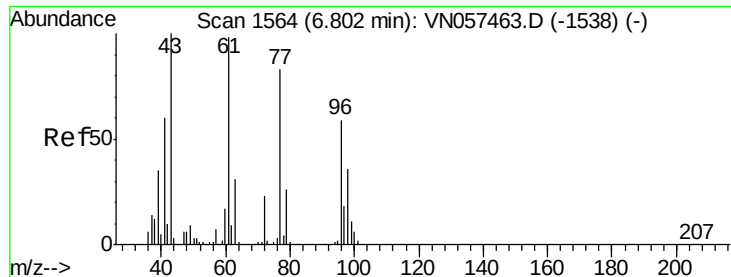
MMDadoda
 8/26/2019 1:12:05 PM



#30
 2-Butanone
 Concen: 948.394 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	5.7	8.5
72	23.0	18.2	27.2





#31

2,2-Dichloropropane

Concen: 170.819 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 1230269

Ion Ratio Lower Upper

77 100

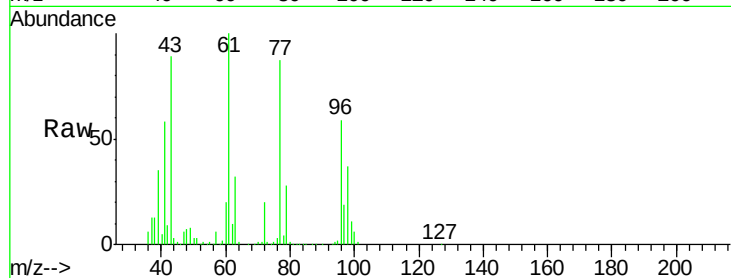
97 21.7 17.0 25.4

Manual Integrations

APPROVED

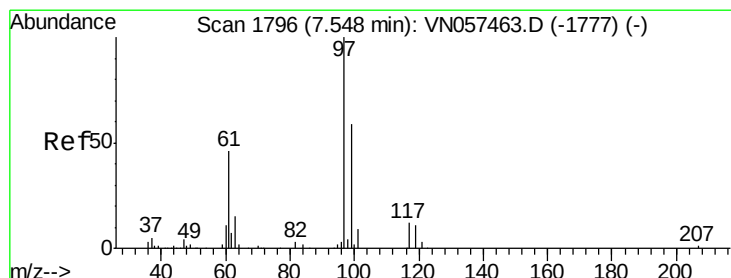
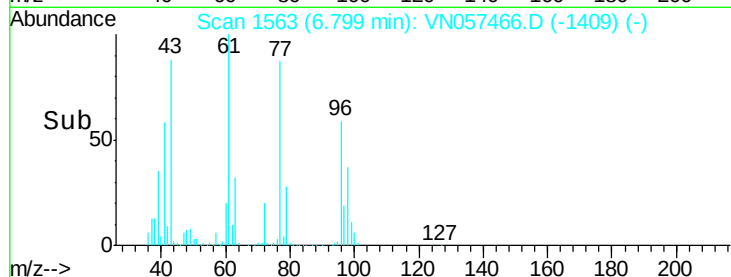
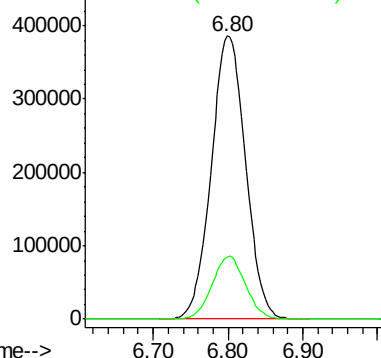
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 165.876 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

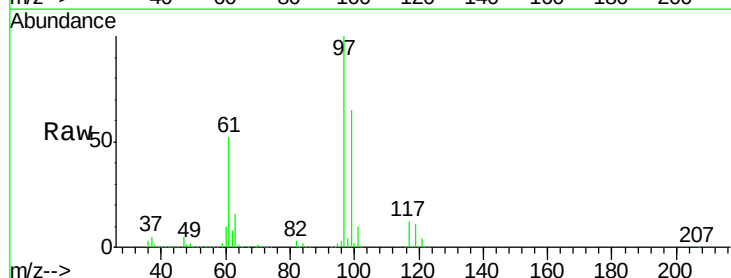
Tgt Ion: 97 Resp: 1263467

Ion Ratio Lower Upper

97 100

99 64.7 49.6 74.4

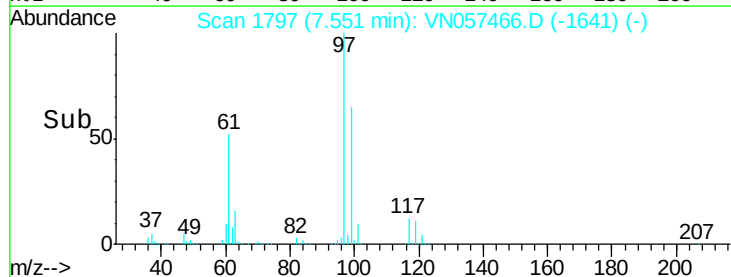
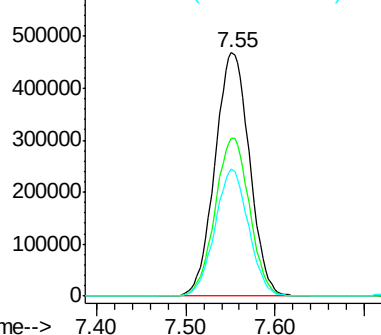
61 50.6 40.9 61.3

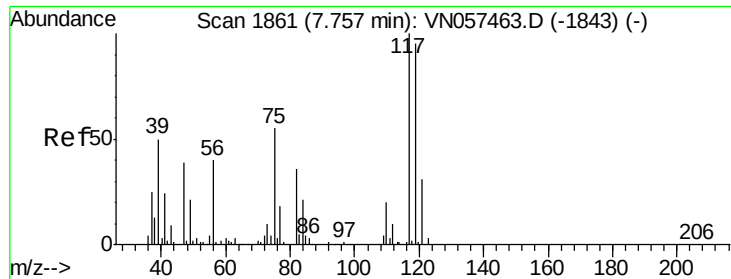


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





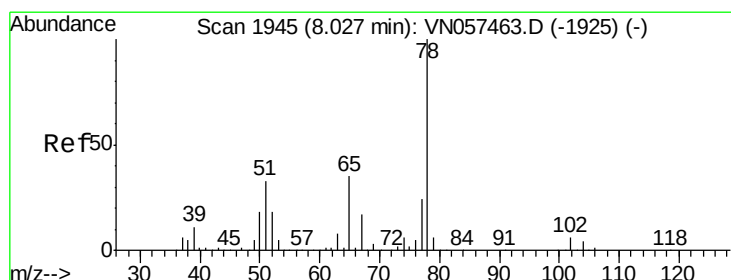
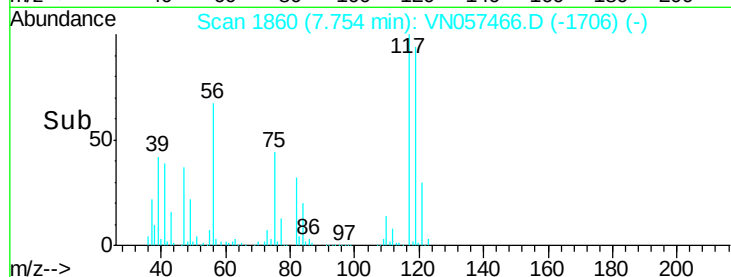
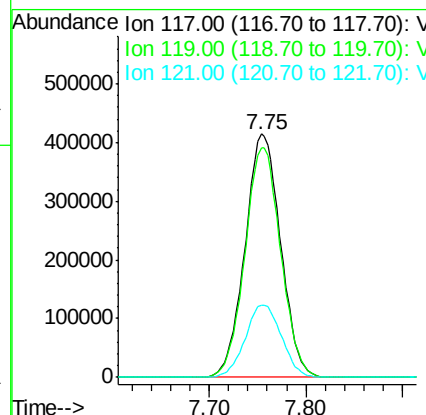
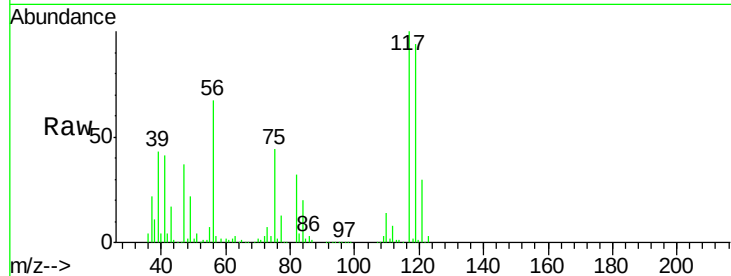
#33
Carbon Tetrachloride
Concen: 157.762 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1056600
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2
121 29.8 24.8 37.2

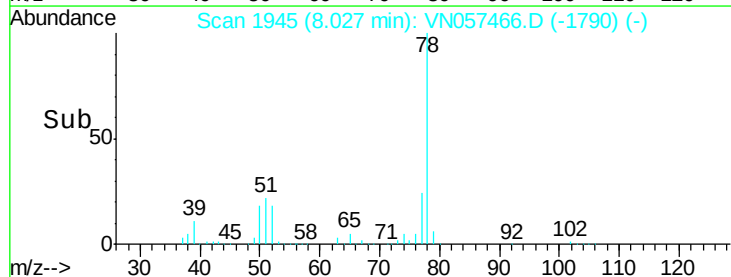
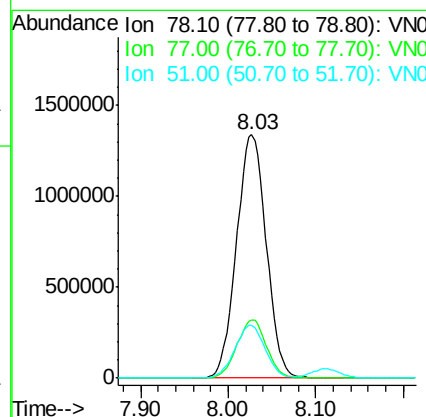
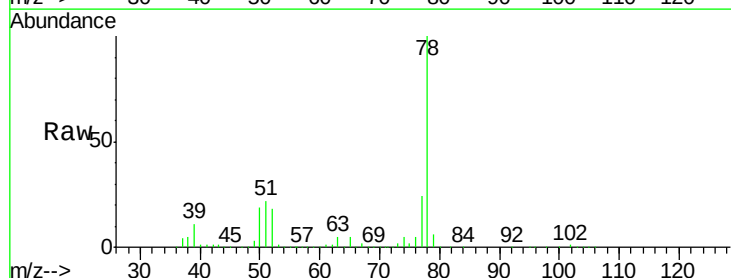
Manual Integrations
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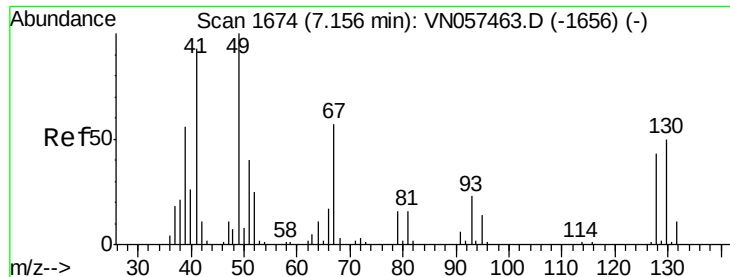
MMDadoda
8/26/2019 1:12:05 PM



#34
Benzene
Concen: 161.358 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 78 Resp: 3169102
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3
51 21.6 26.0 39.0#





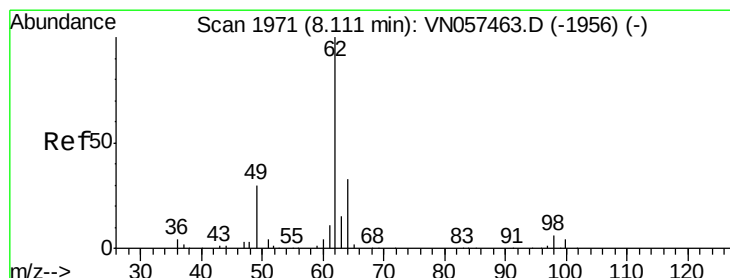
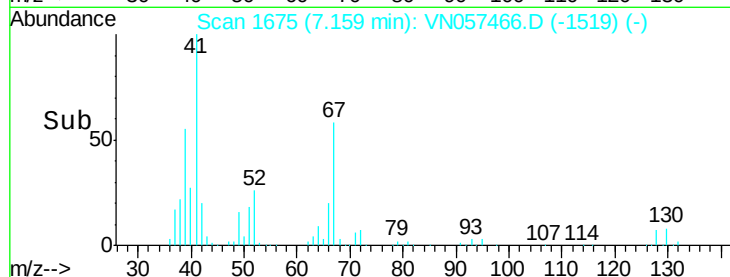
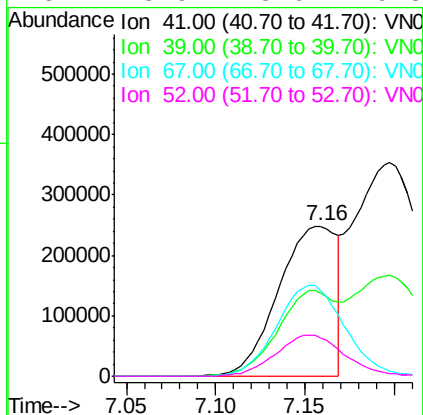
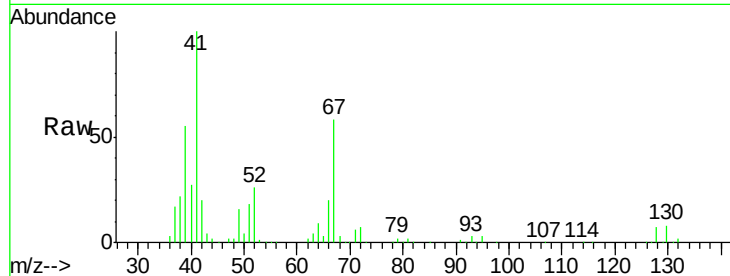
#35
Methacrylonitrile
Concen: 158.227 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	559625
Ion Ratio	Lower	Upper	
41	100		
39	55.2	30.5	91.5
67	57.6	30.9	92.5
52	25.9	13.6	40.8

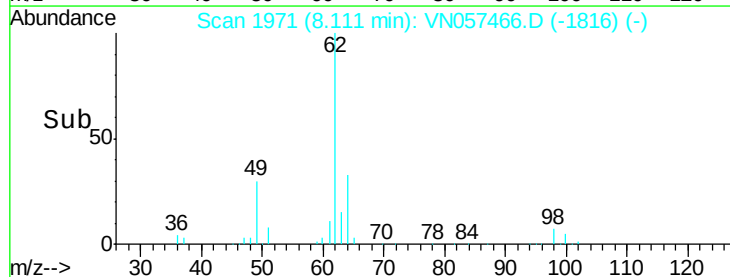
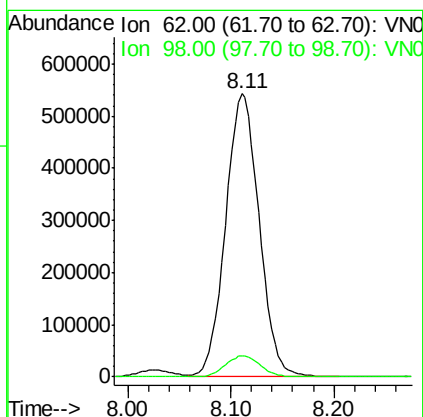
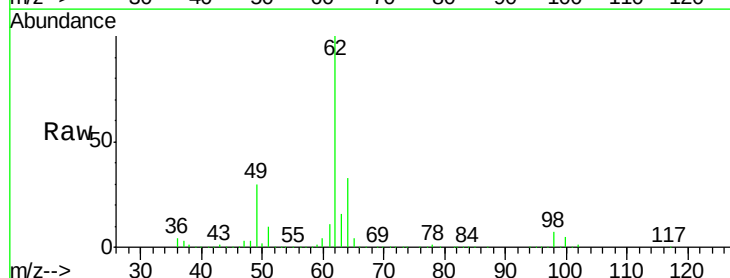
Manual Integrations
APPROVED

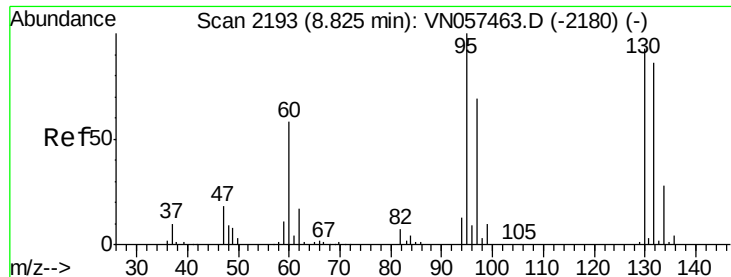
MMDadoda
8/26/2019 1:12:05 PM



#36
1,2-Dichloroethane
Concen: 184.683 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	62	Resp	1231157
Ion Ratio	Lower	Upper	
62	100		
98	7.6	2.8	4.2#





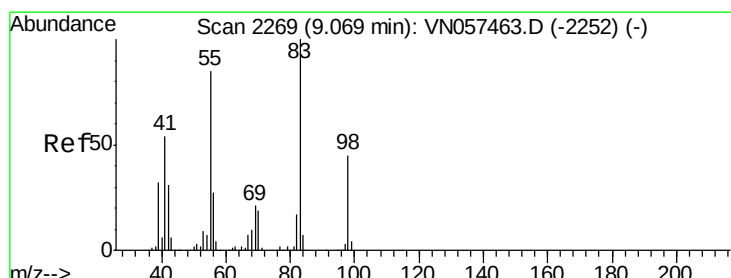
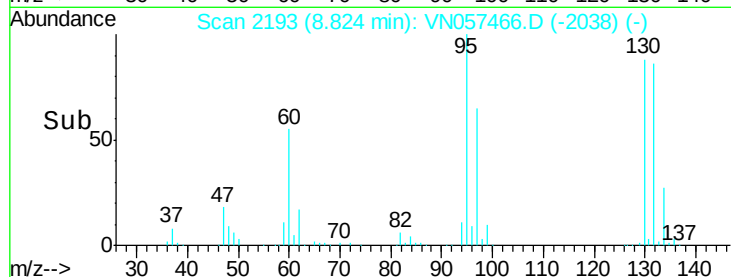
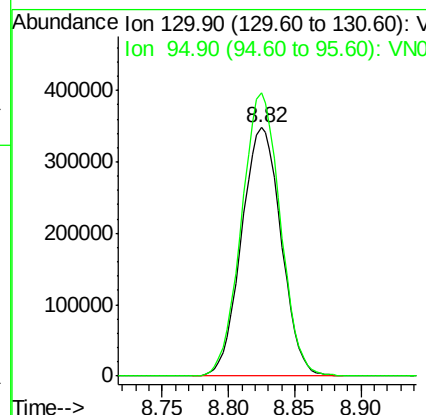
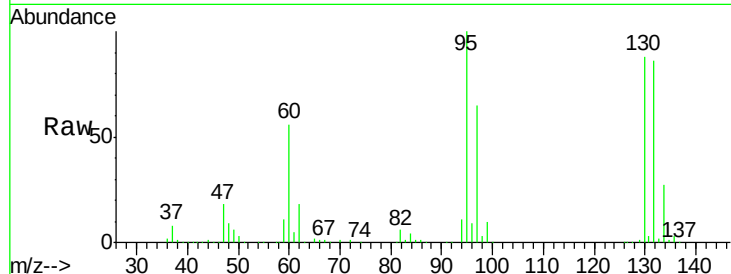
#37
 Trichloroethene
 Concen: 132.924 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 725579
 Ion Ratio Lower Upper
 130 100
 95 113.7 86.4 129.6

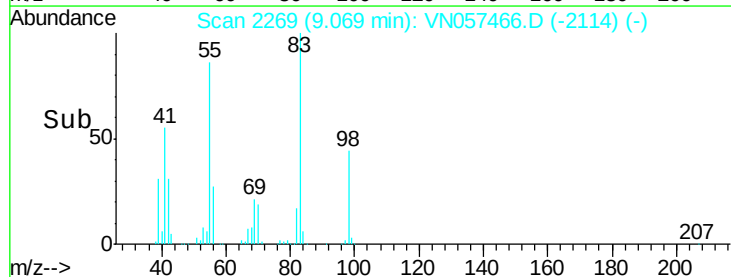
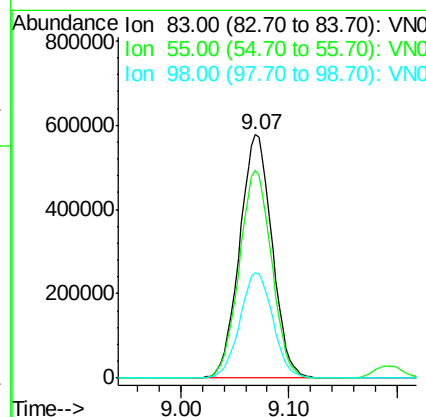
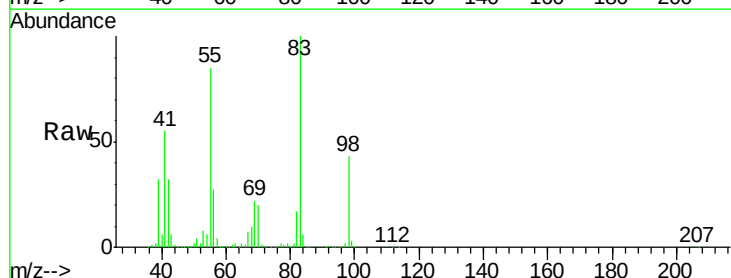
Manual Integrations
 APPROVED

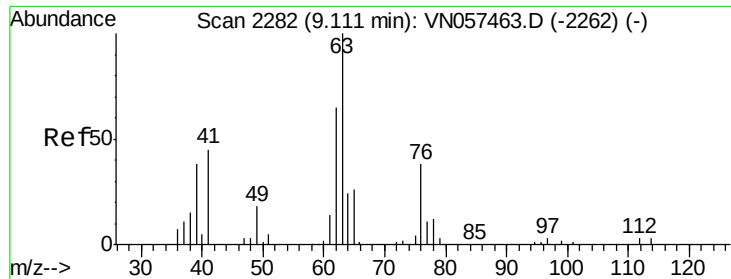
MMDadoda
 8/26/2019 1:12:05 PM



#38
 Methylcyclohexane
 Concen: 159.743 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 83 Resp: 1212299
 Ion Ratio Lower Upper
 83 100
 55 85.0 43.3 129.8
 98 43.9 22.8 68.4





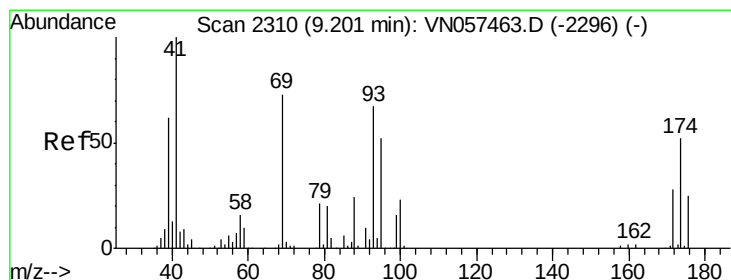
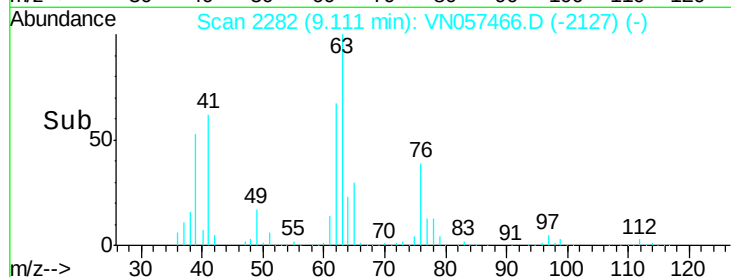
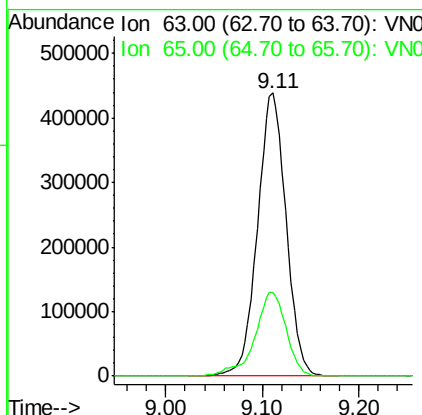
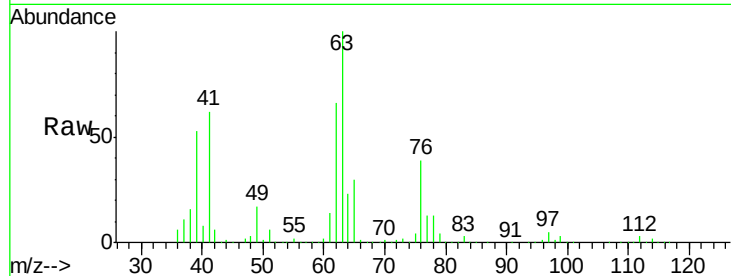
#39
 1,2-Dichloropropane
 Concen: 174.590 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	63	Resp	897303
Ion Ratio	Lower	Upper	
63	100		
65	29.7	21.6	32.4

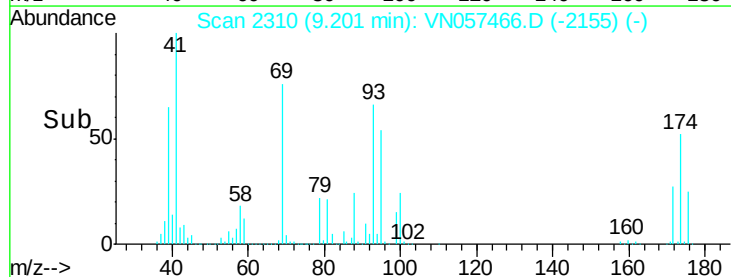
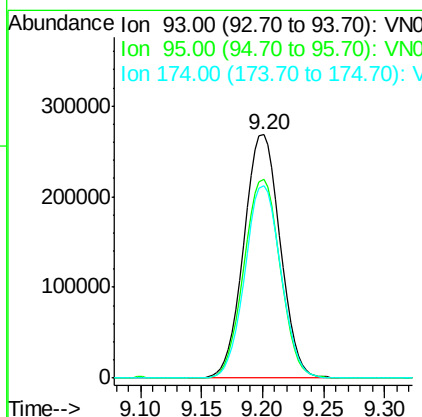
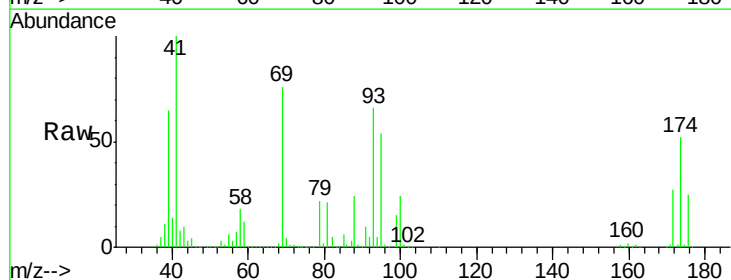
Manual Integrations
 APPROVED

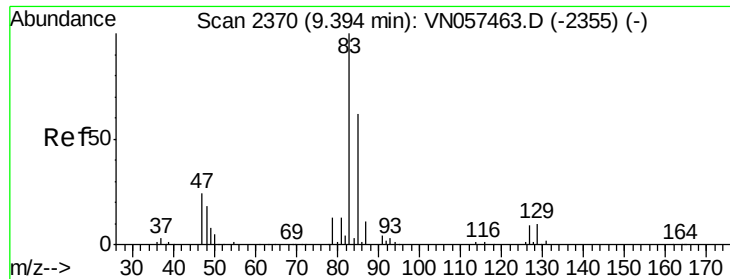
MMDadoda
 8/26/2019 1:12:05 PM



#40
 Dibromomethane
 Concen: 165.164 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	93	Resp	552875
Ion Ratio	Lower	Upper	
93	100		
95	81.4	0.0	160.8
174	78.3	0.0	157.2





#41

Bromodichloromethane

Concen: 174.528 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1190676

Ion Ratio Lower Upper

83 100

85 64.1 49.8 74.8

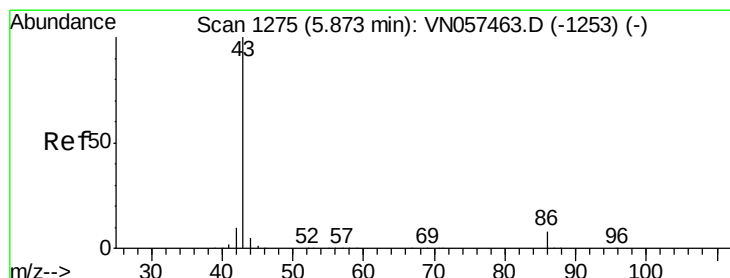
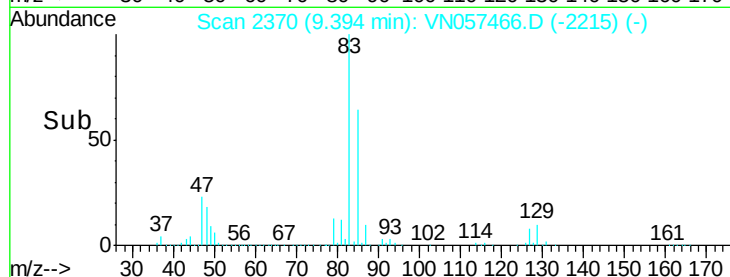
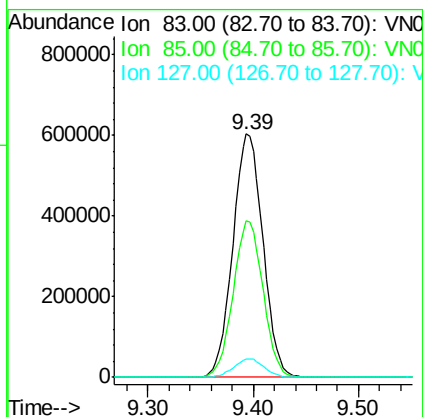
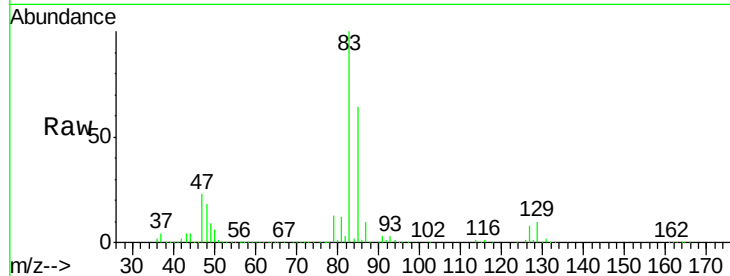
127 7.6 7.6 11.4#

Manual Integrations

APPROVED

MMDadoda

8/26/2019 1:12:05 PM



#42

Vinyl Acetate

Concen: 1029.641 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057466.D

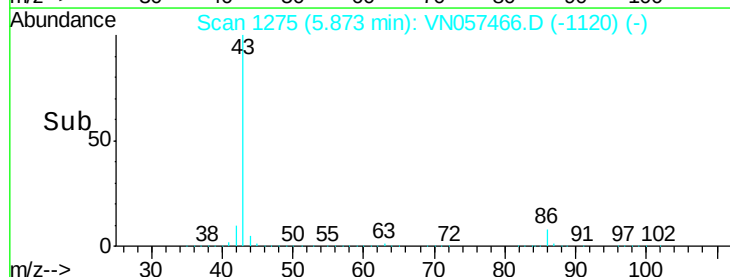
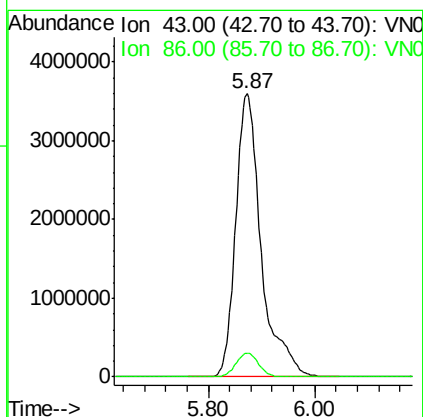
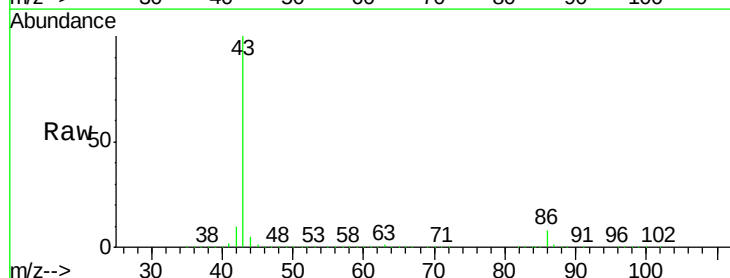
Acq: 23 Aug 2019 10:54

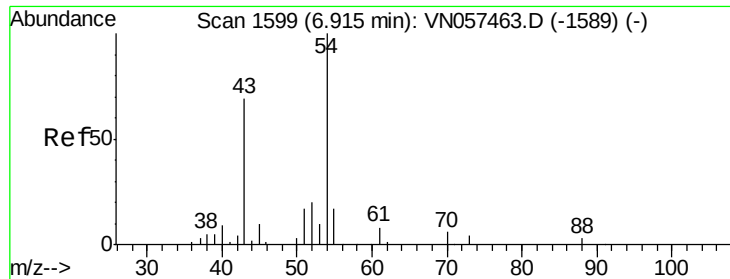
Tgt Ion: 43 Resp: 11844523

Ion Ratio Lower Upper

43 100

86 7.5 5.7 8.5





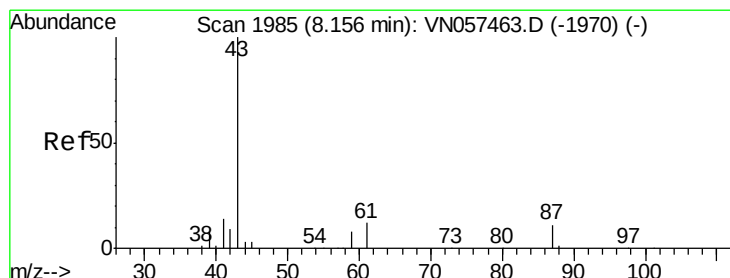
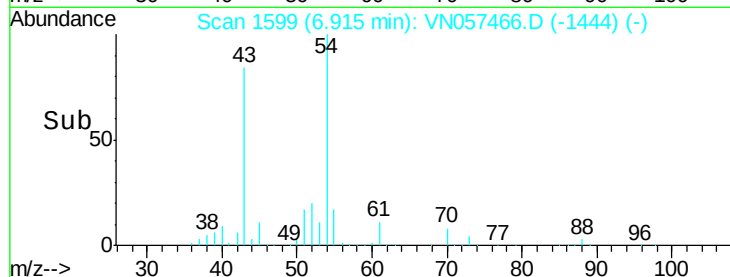
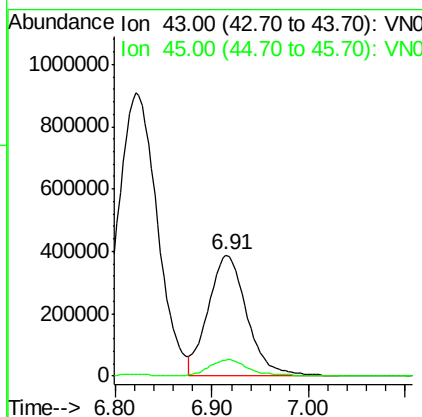
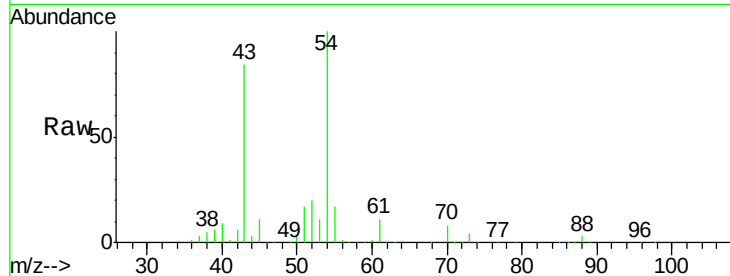
#43
Ethyl Acetate
Concen: 194.417 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1063364
Ion Ratio Lower Upper
43 100
45 14.2 11.0 16.4

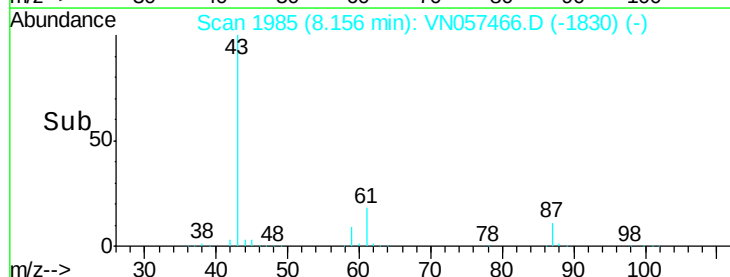
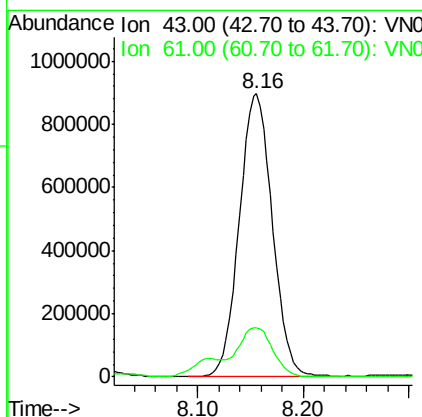
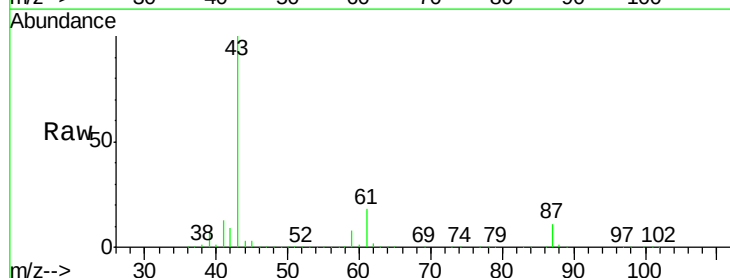
Manual Integrations
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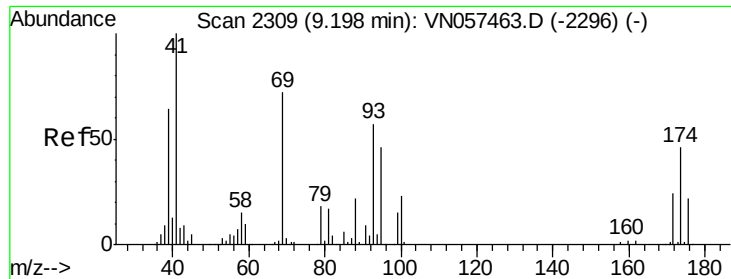
MMDadoda
8/26/2019 1:12:05 PM



#44
Isopropyl Acetate
Concen: 198.896 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 43 Resp: 1948078
Ion Ratio Lower Upper
43 100
61 18.1 0.1 0.1#





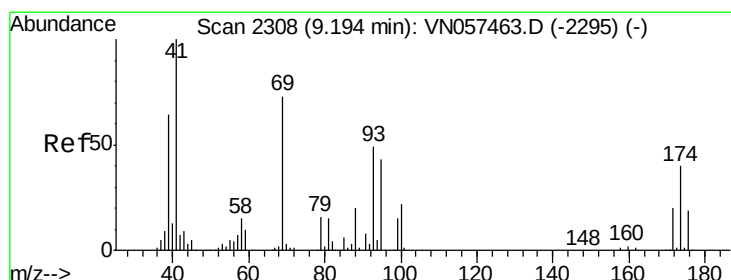
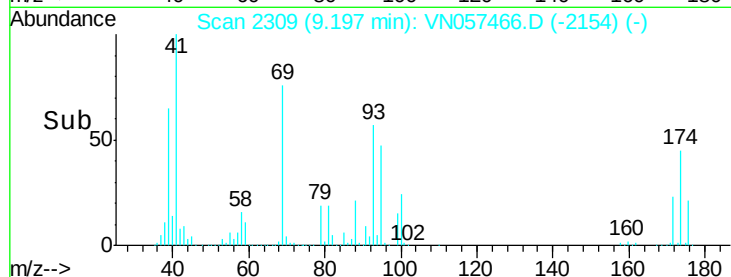
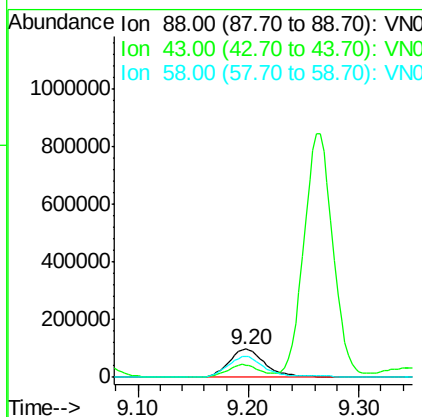
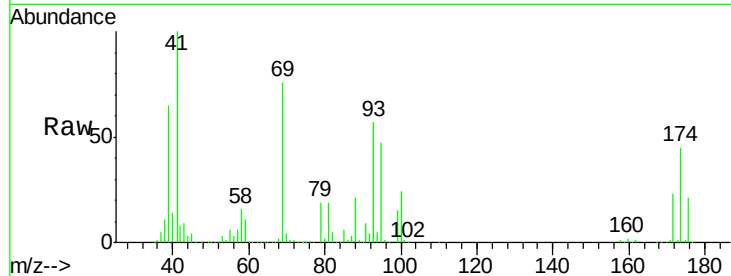
#45
 1,4-Dioxane
 Concen: 2720.637 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	227979		
43	38.4	29.8	44.6	
58	71.9	62.2	93.2	

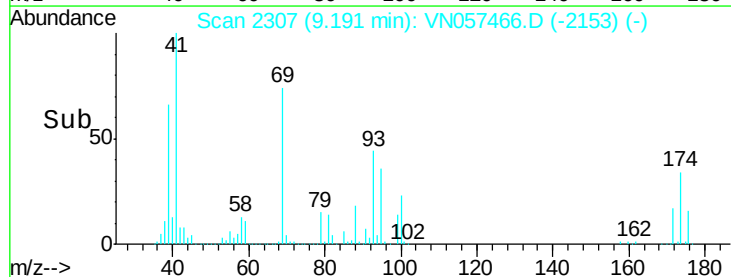
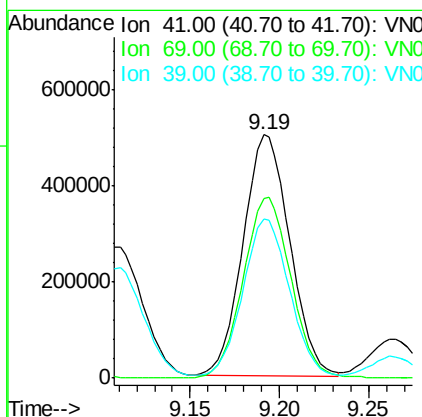
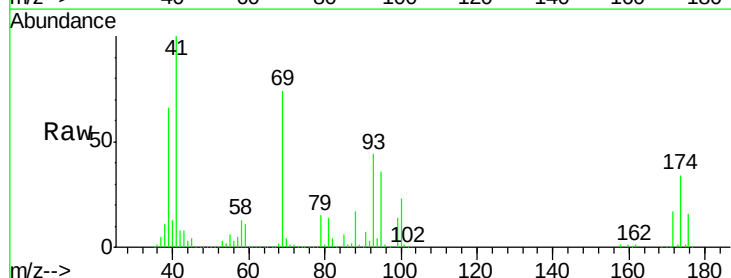
Manual Integrations
 APPROVED

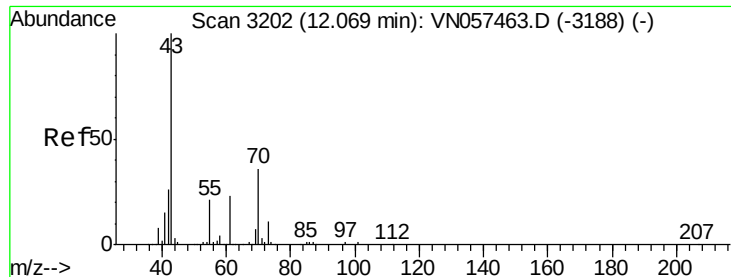
MMDadoda
 8/26/2019 1:12:05 PM



#46
 Methyl methacrylate
 Concen: 206.775 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	920721		
69	74.4	36.5	109.5	
39	65.0	32.1	96.3	





#47

n-amyl Acetate

Concen: 231.956 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1710138

Ion Ratio Lower Upper

43 100

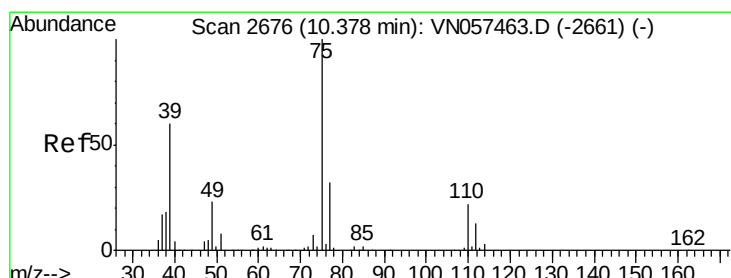
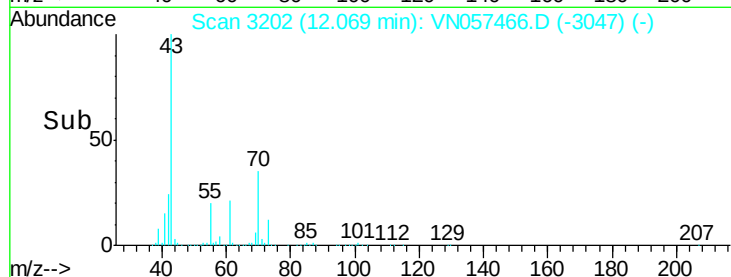
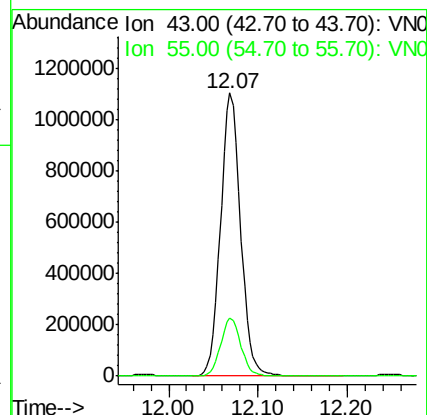
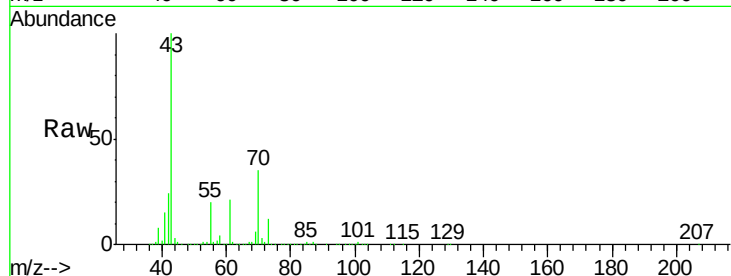
55 20.8 17.0 25.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 178.401 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057466.D

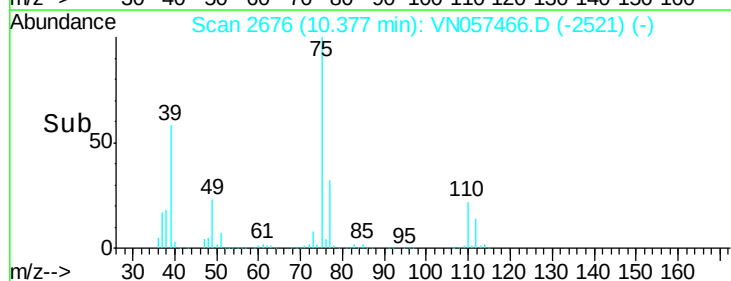
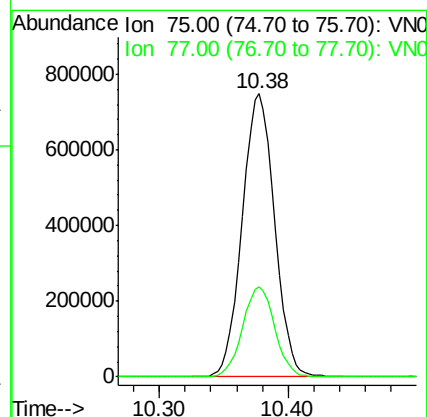
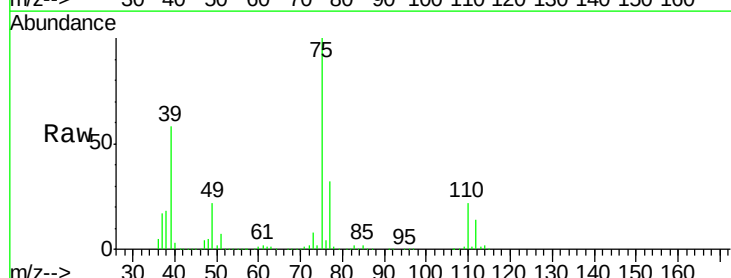
Acq: 23 Aug 2019 10:54

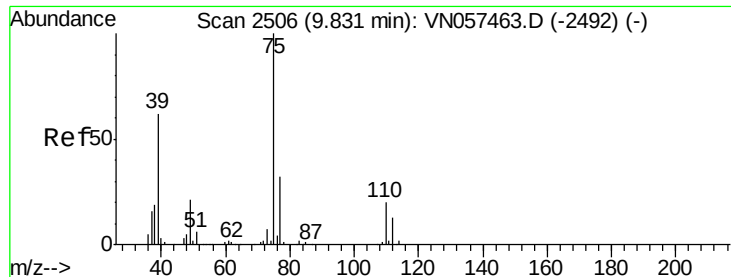
Tgt Ion: 75 Resp: 1306871

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5





#49

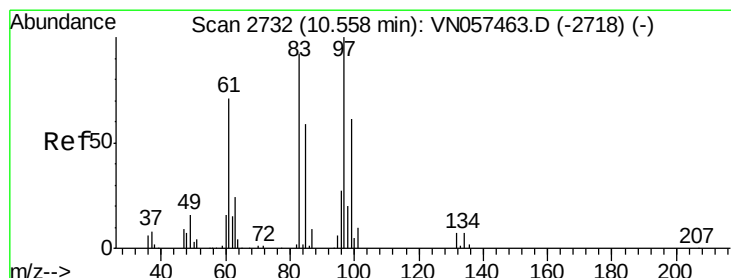
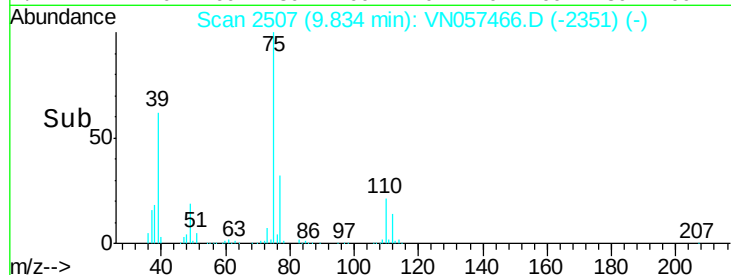
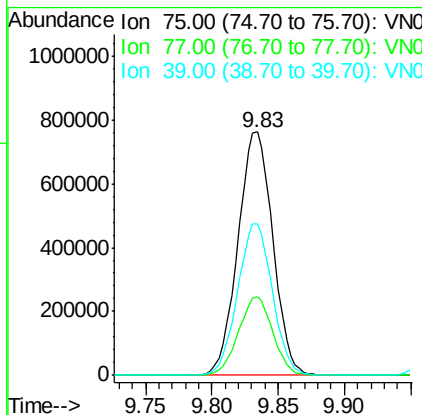
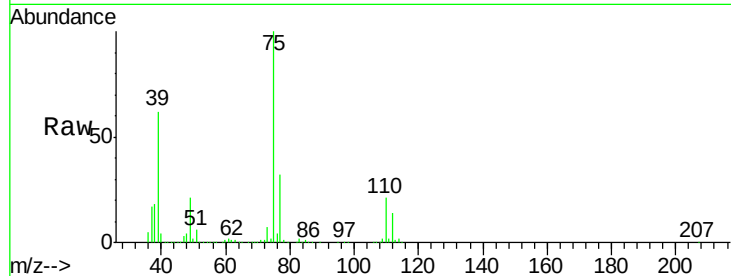
cis-1,3-Dichloropropene
 Concen: 171.195 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	62.3	49.8	74.6

Manual Integrations
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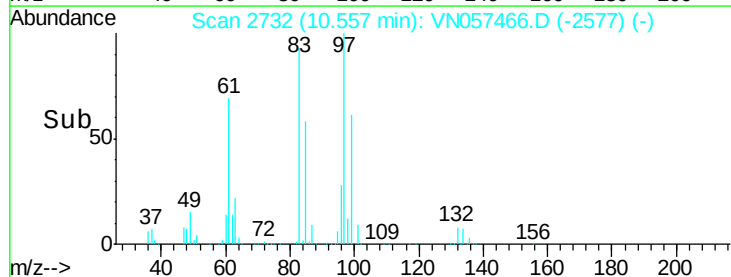
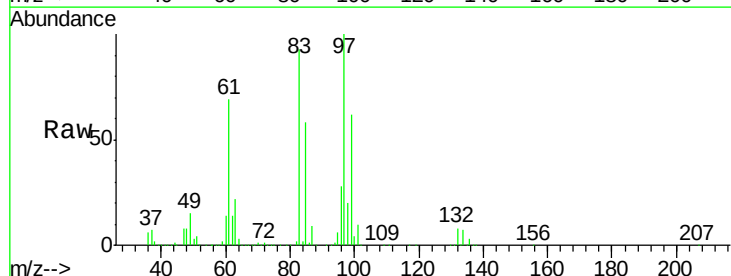
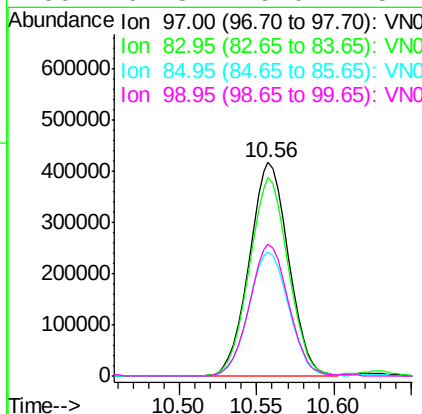
MMDadoda
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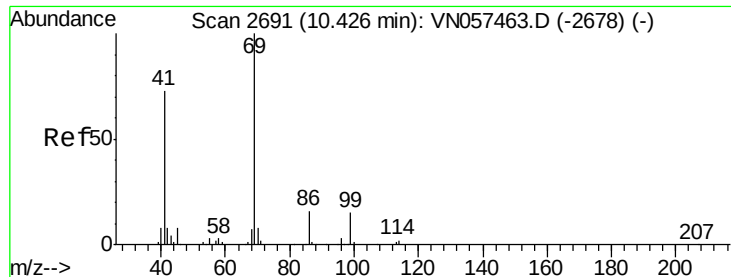


#50

1,1,2-Trichloroethane
 Concen: 154.352 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.7	73.2	109.8
85	58.2	47.1	70.7
99	61.8	49.0	73.4





#51

Ethyl methacrylate

Concen: 178.096 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 69 Resp: 1267175

Ion Ratio Lower Upper

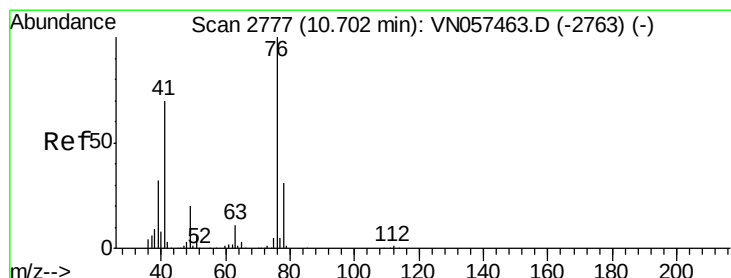
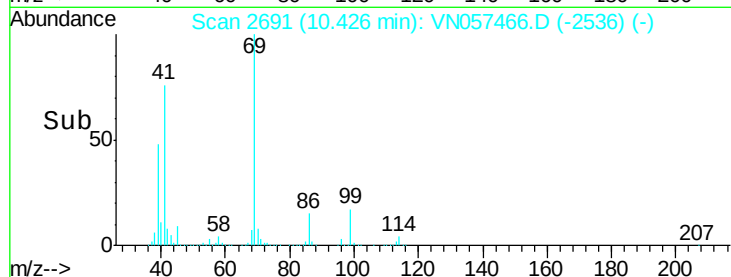
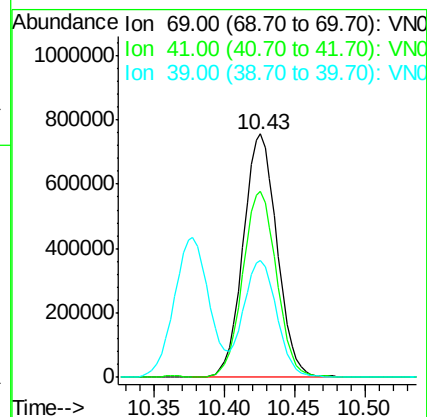
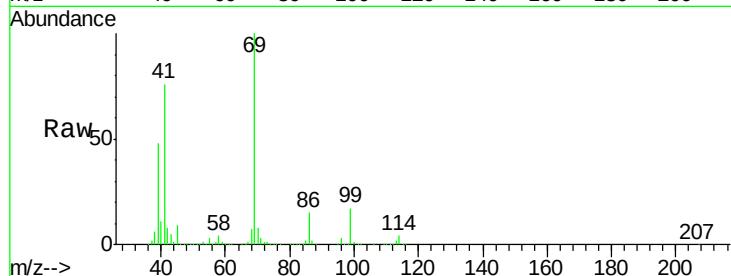
69 100

41 76.1 37.0 111.1

39 47.6 24.4 73.4

Manual Integrations
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8/26/2019 1:12:05 PM



#52

1,3-Dichloropropane

Concen: 165.950 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057466.D

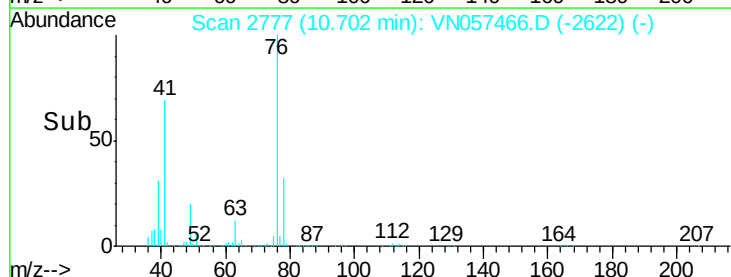
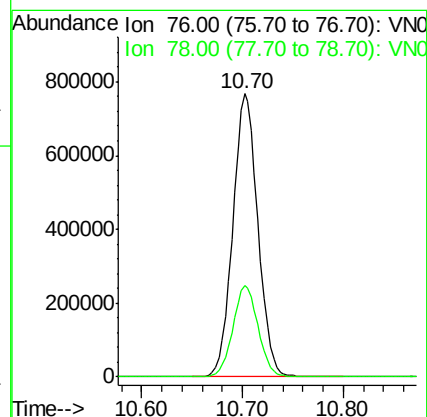
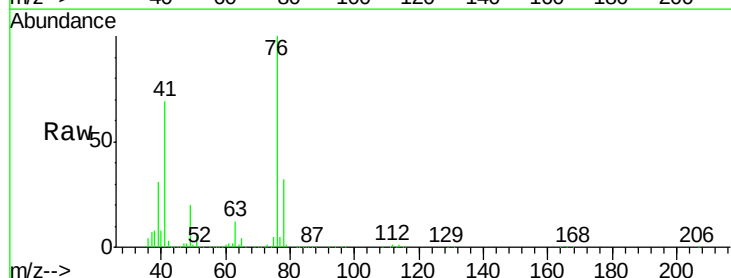
Acq: 23 Aug 2019 10:54

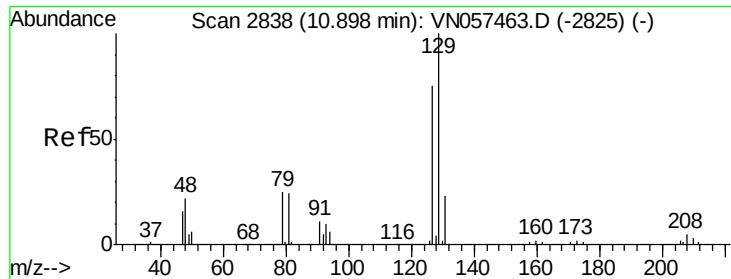
Tgt Ion: 76 Resp: 1326944

Ion Ratio Lower Upper

76 100

78 32.5 0.0 63.0





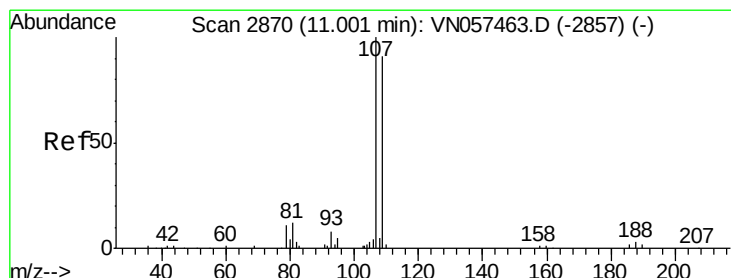
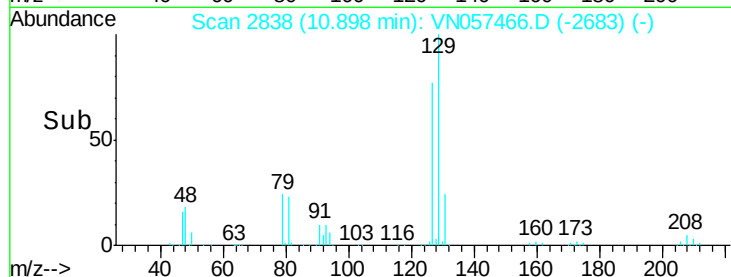
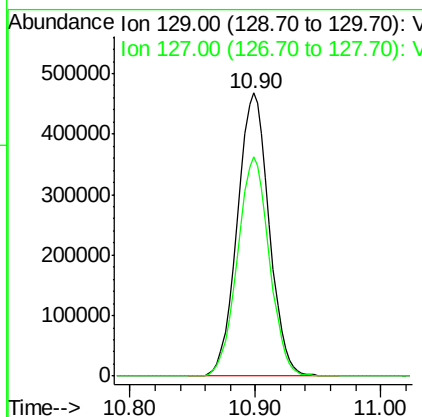
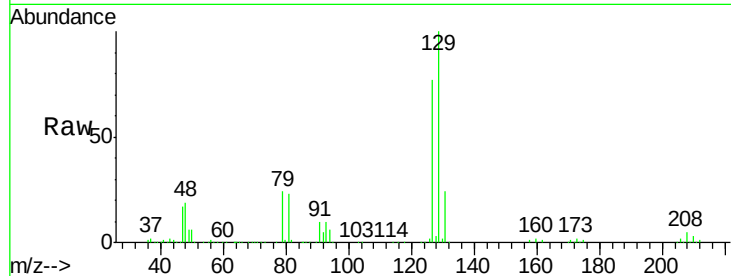
#53
 Dibromochloromethane
 Concen: 152.448 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.1	114.3

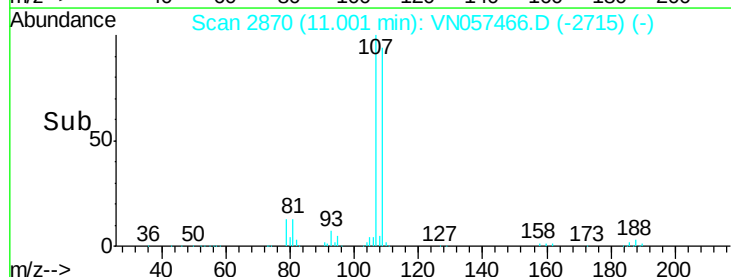
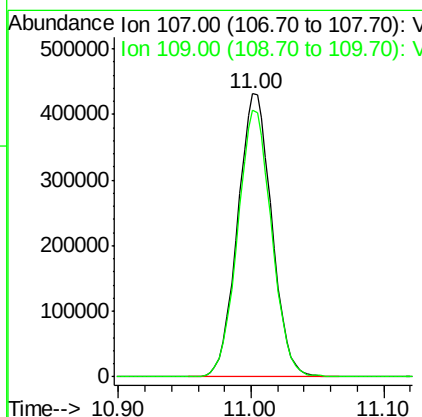
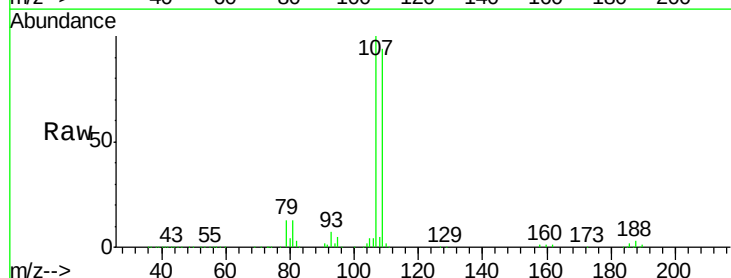
Manual Integrations
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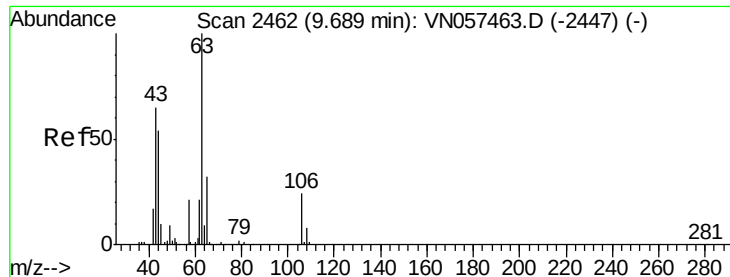
MMDadoda
 8/26/2019 1:12:05 PM



#54
 1,2-Dibromoethane
 Concen: 154.571 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.2	109.8





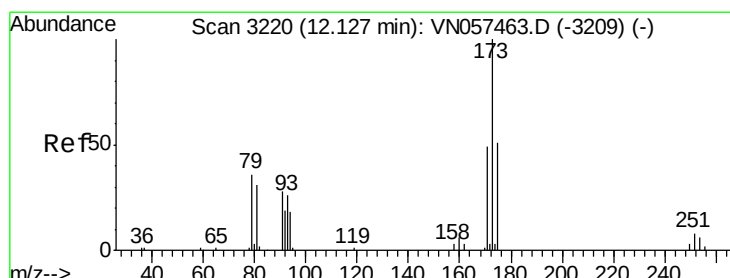
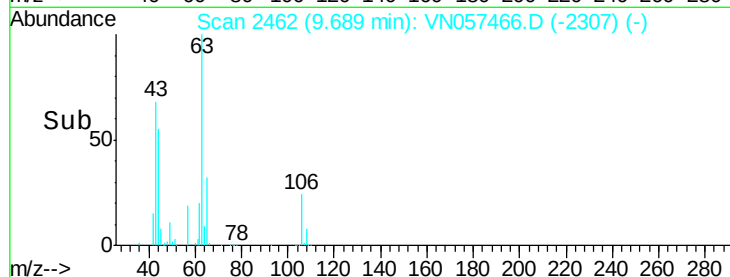
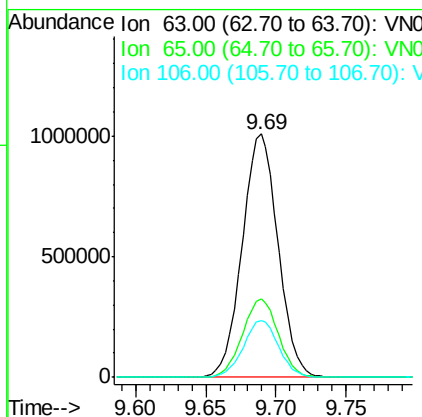
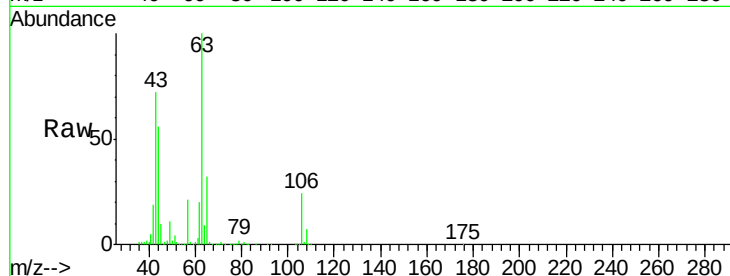
#55
2-Chloroethyl vinyl ether
Concen: 1076.852 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.1	37.7
106	23.1	18.7	28.1

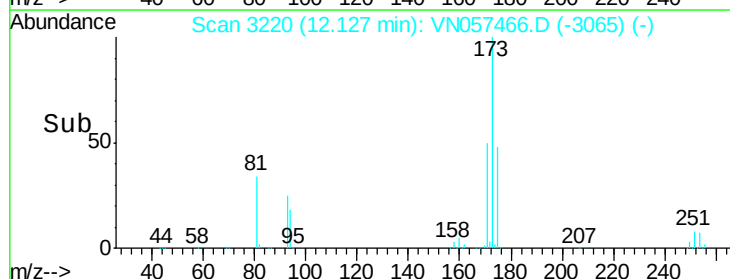
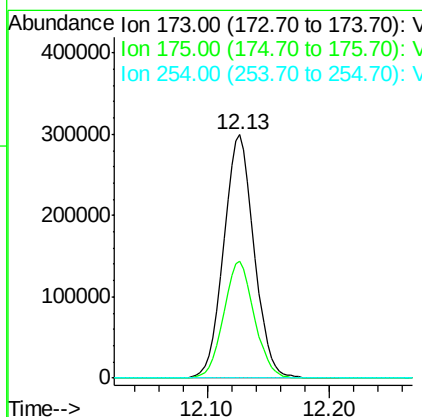
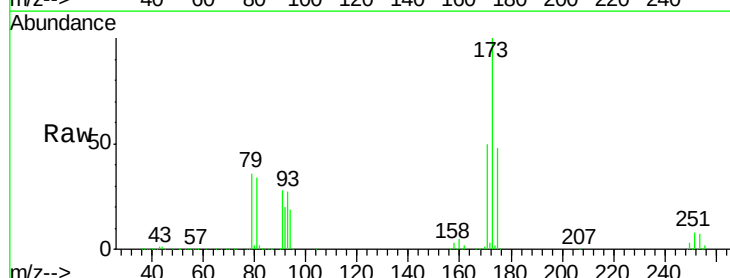
Manual Integrations
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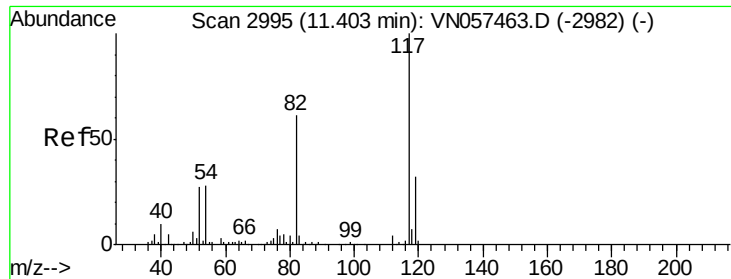
MMDadoda
8/26/2019 1:12:05 PM



#56
Bromoform
Concen: 132.494 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	40.1	60.1
254	0.0	0.0	0.0#





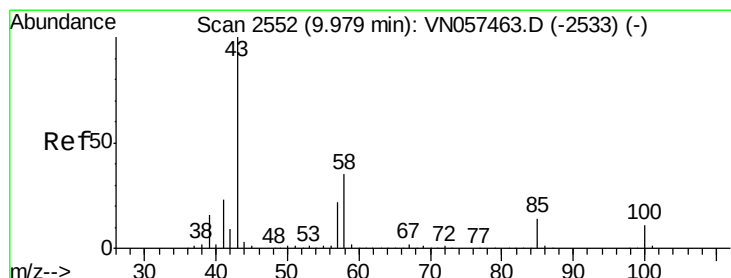
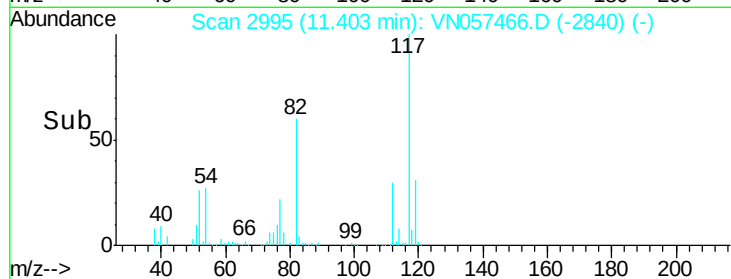
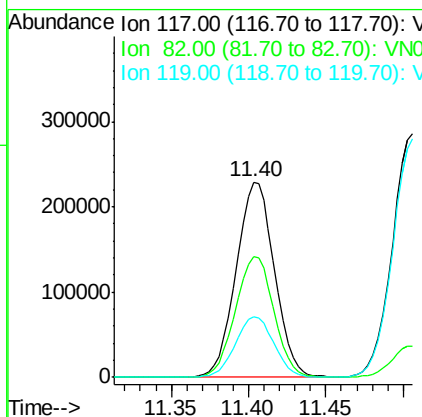
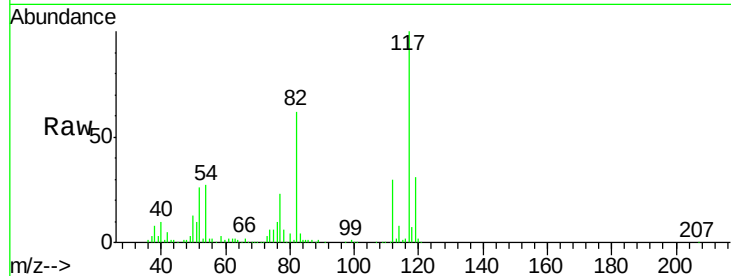
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	394617		
82	62.1	50.4	75.6	
119	31.3	25.4	38.2	

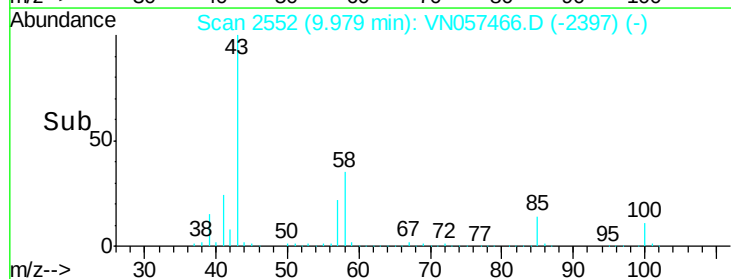
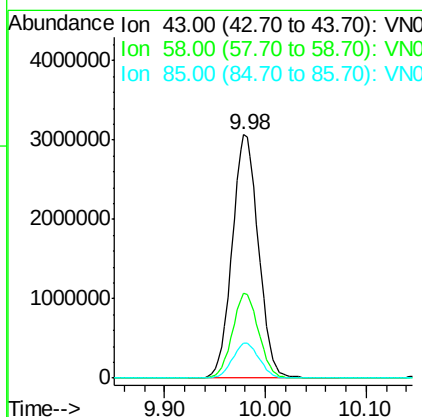
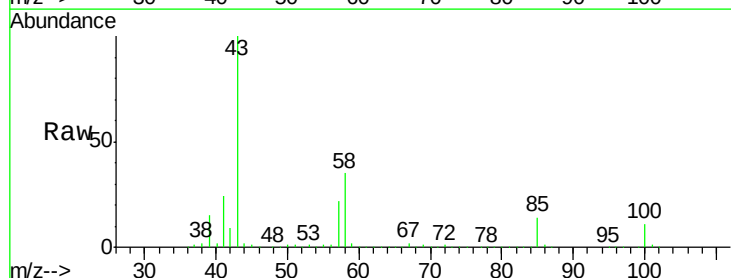
Manual Integrations
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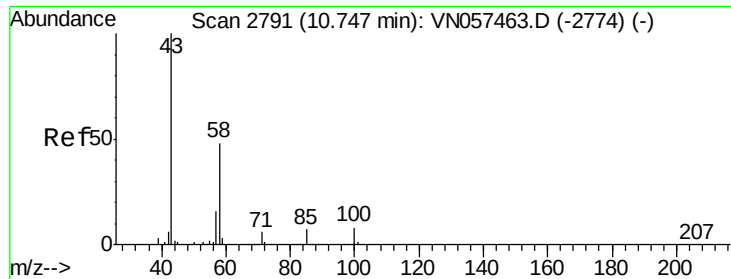
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 977.757 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5549934		
58	34.7	28.0	42.0	
85	14.5	11.3	16.9	





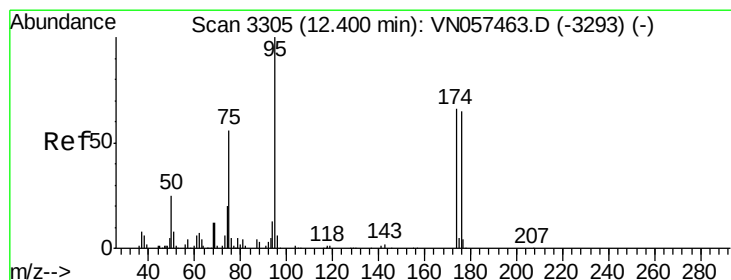
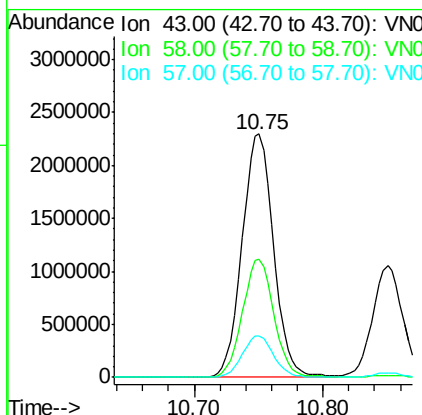
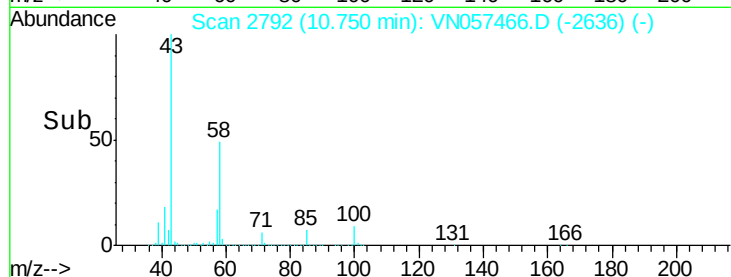
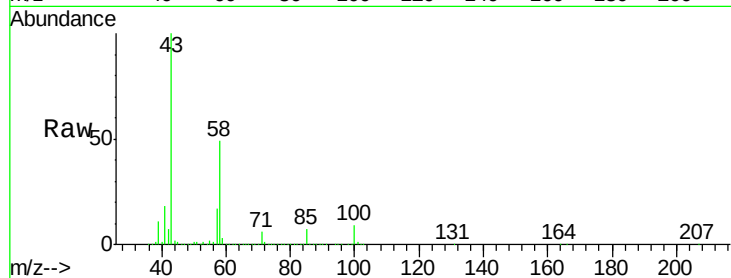
#59
2-Hexanone
Concen: 965.109 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3898385
Ion Ratio Lower Upper
43 100
58 48.5 38.9 58.3
57 17.1 13.0 19.4

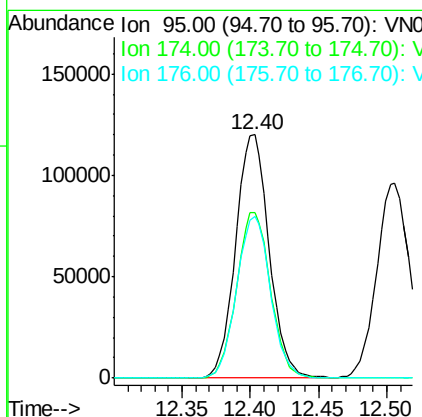
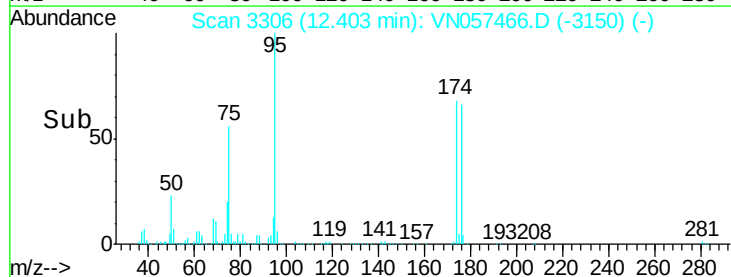
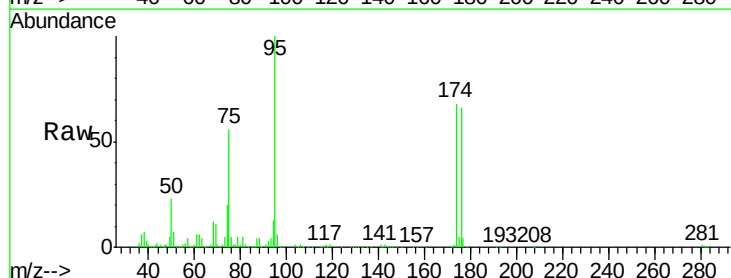
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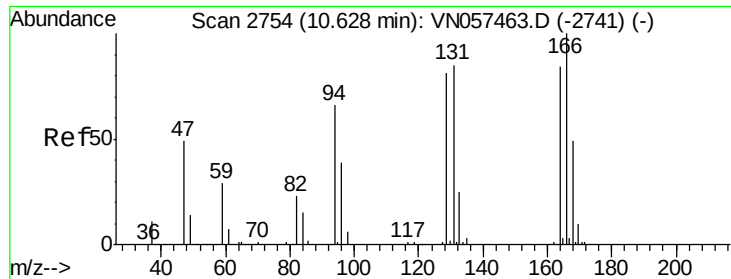
MMDadoda
8/26/2019 1:12:05 PM



#60
4-Bromofluorobenzene
Concen: 34.724 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 95 Resp: 205129
Ion Ratio Lower Upper
95 100
174 68.3 54.9 82.3
176 66.7 54.2 81.4





#61

Tetrachloroethene

Concen: 112.997 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

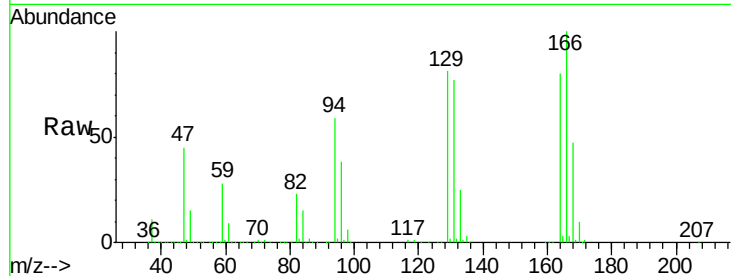
ClientSampleId :

VSTDIC150

Tot Ion:	164	Resp:	617817
Ion	Ratio	Lower	Upper
164	100		
166	125.8	95.8	143.6
129	101.3	77.2	115.8
131	97.2	81.1	121.7

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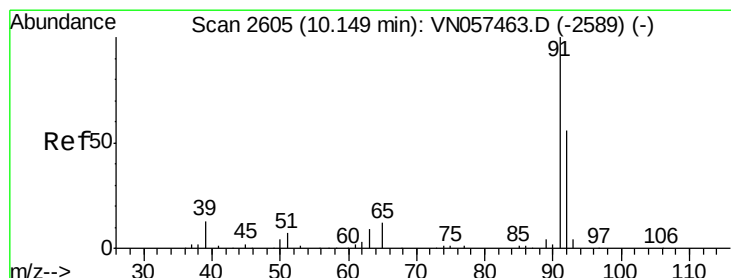
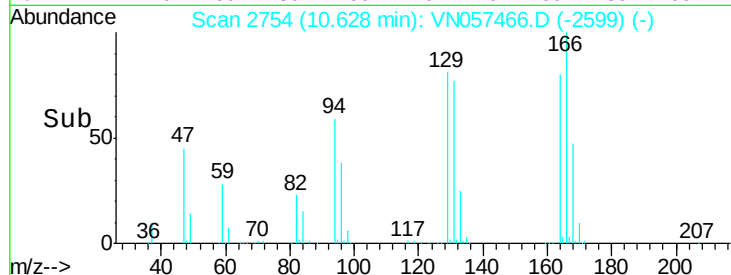
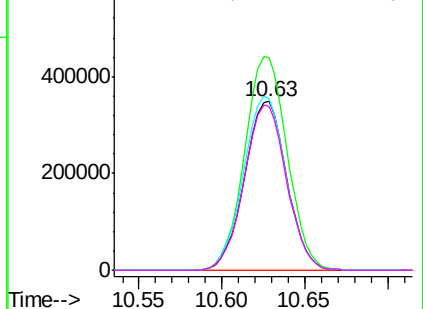


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 153.713 ug/l

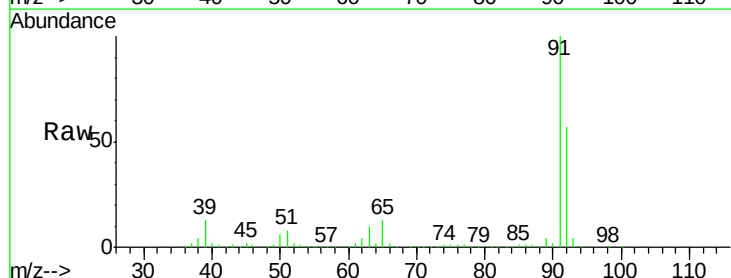
RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057466.D

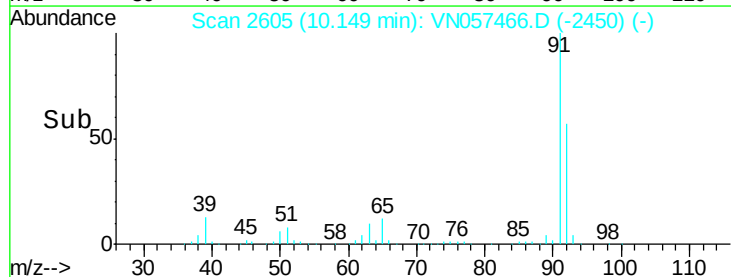
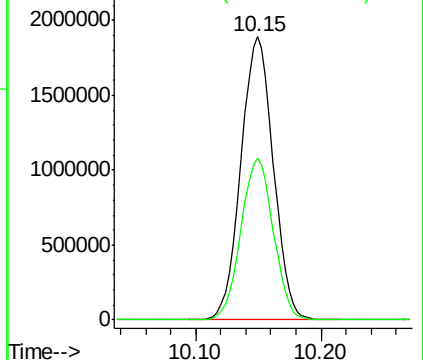
Acq: 23 Aug 2019 10:54

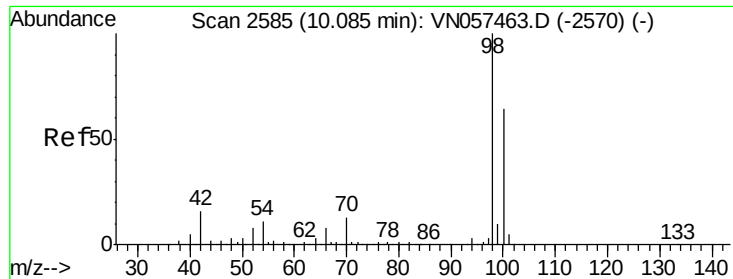
Tgt Ion:	91	Resp:	3397481
Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.4	68.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





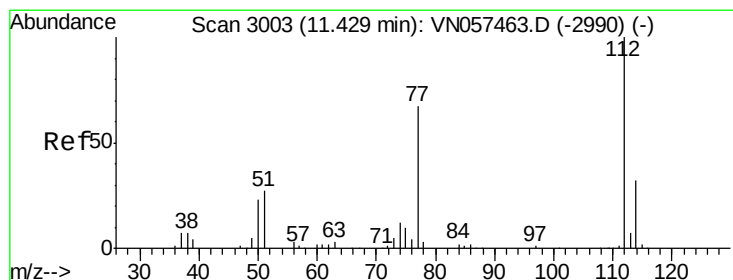
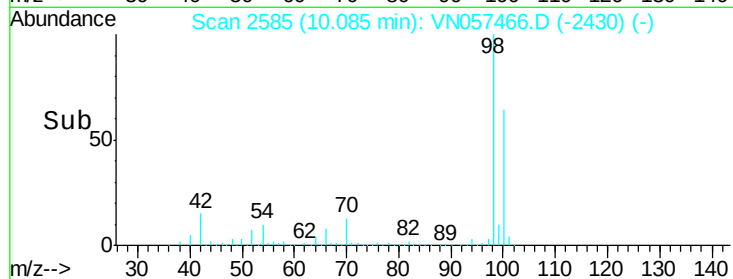
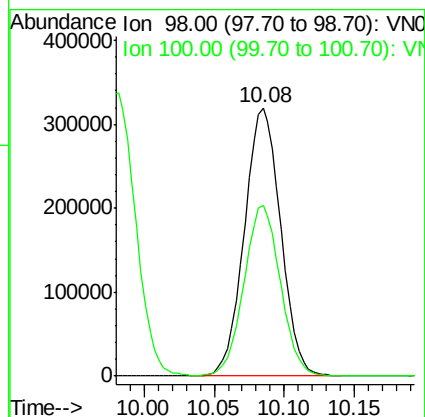
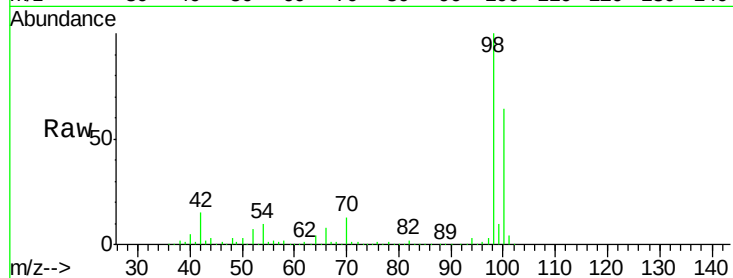
#63
Toluene-d8
Concen: 31.602 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 576842
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6

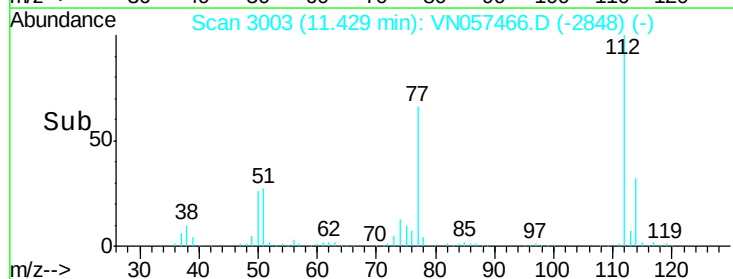
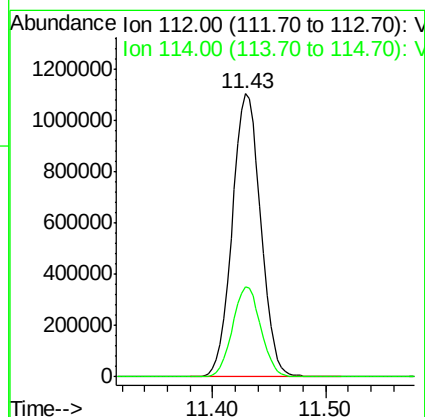
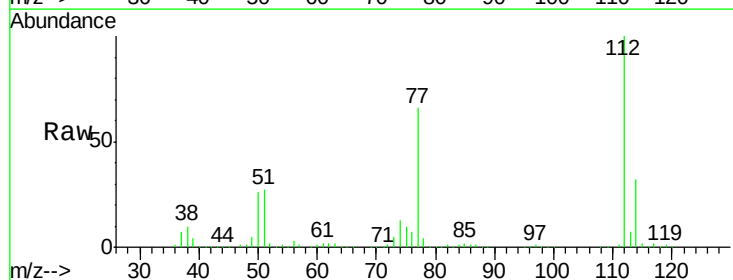
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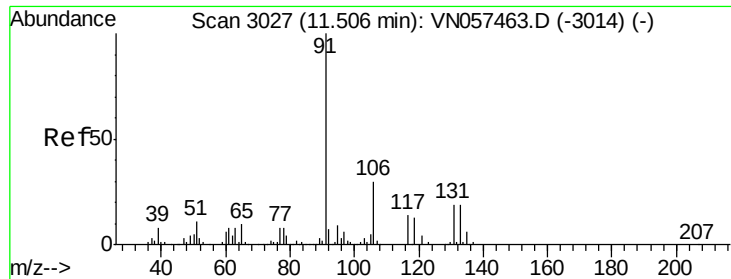
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#64
Chlorobenzene
Concen: 143.985 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 112 Resp: 1942202
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 136.532 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

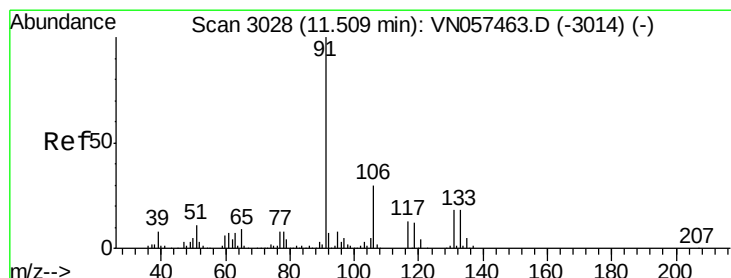
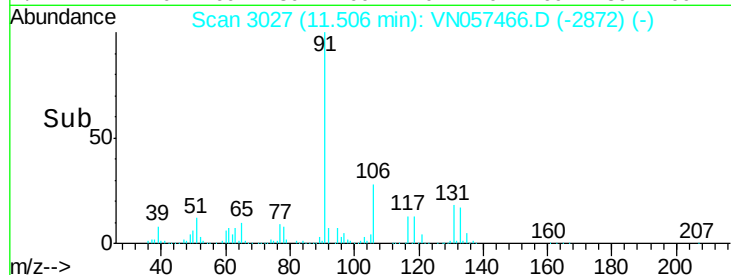
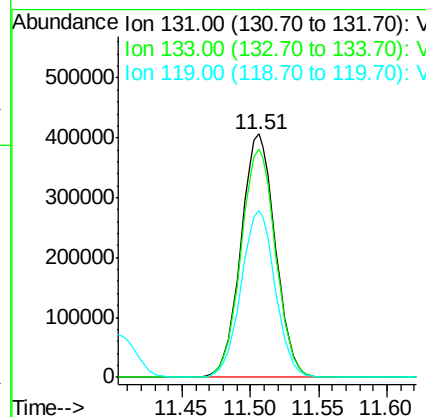
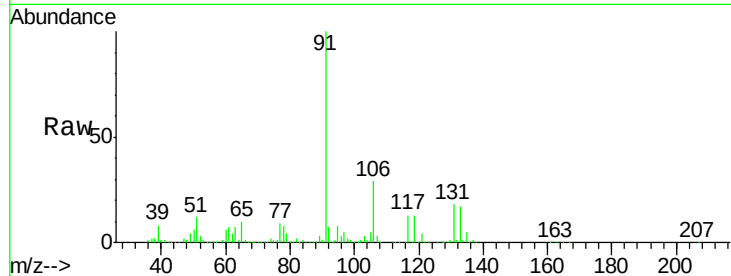
ClientSampled :

VSTDIC150

Tot Ion:	131	Resp:	709414
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	193.6
119	67.9	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 156.260 ug/l

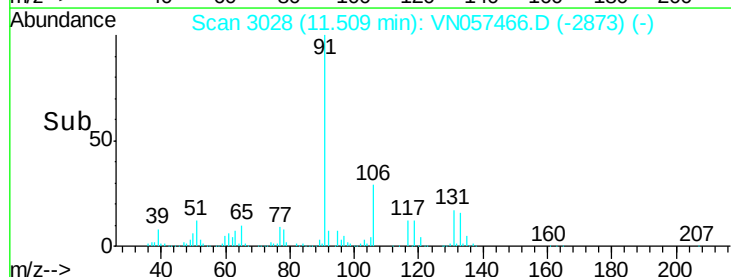
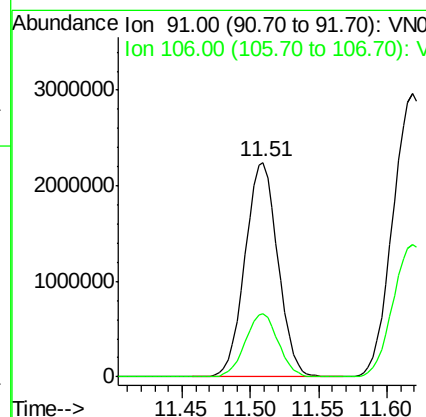
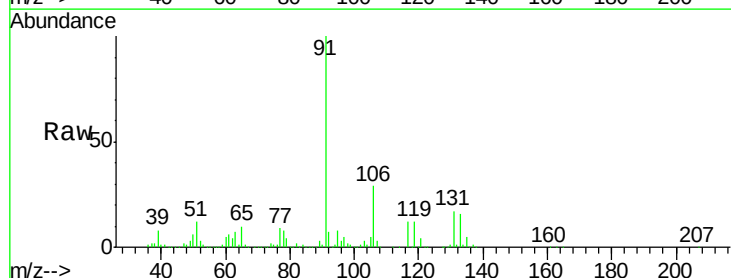
RT: 11.51 min Scan# 3028

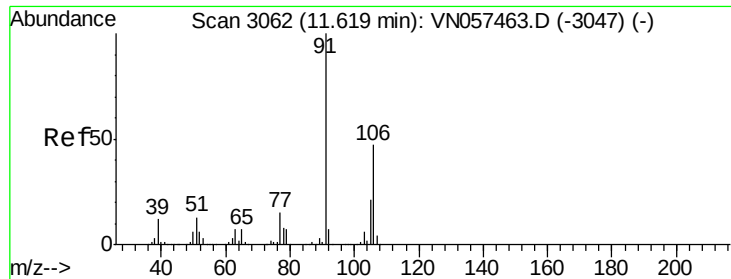
Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion:	91	Resp:	3754601
Ion Ratio	Lower	Upper	
91	100		
106	29.2	23.6	35.4





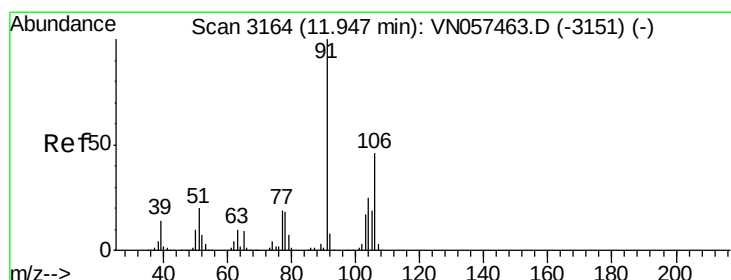
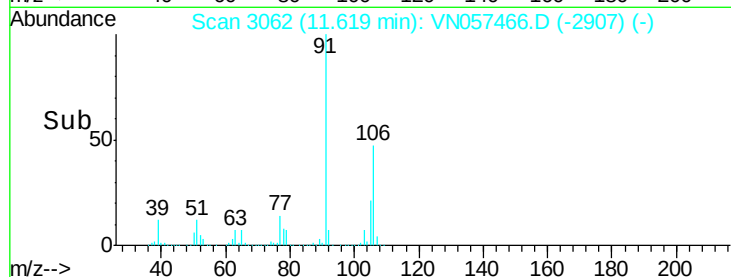
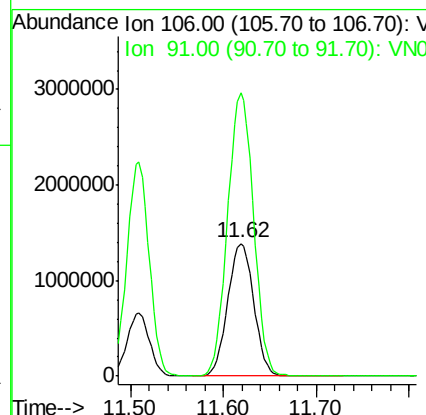
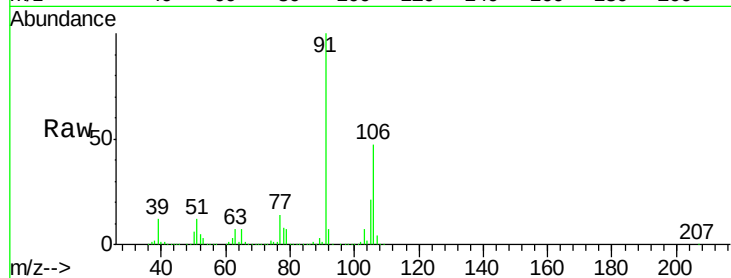
#67
m/p-Xylenes
Concen: 305.213 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2697148
Ion Ratio Lower Upper
106 100
91 213.5 172.9 259.3

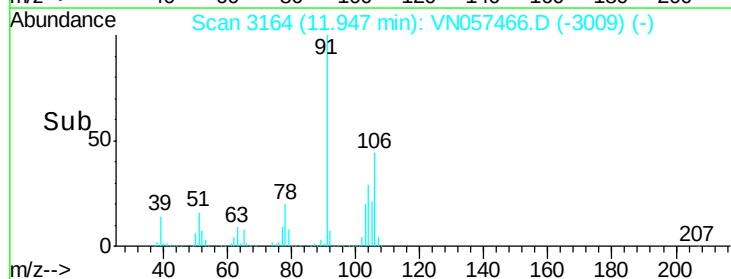
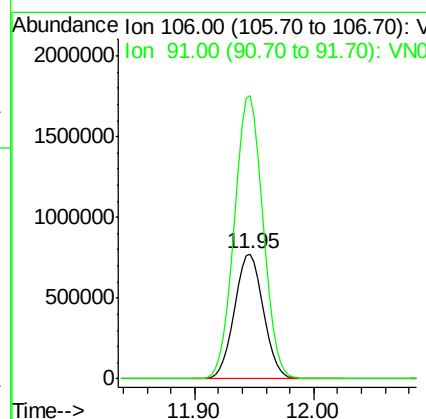
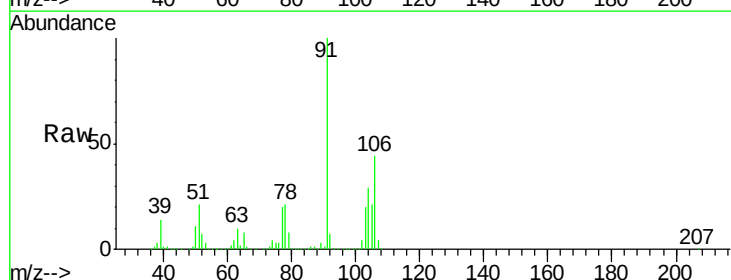
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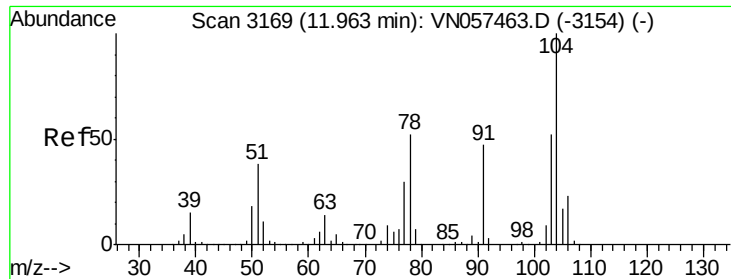
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#68
o-Xylene
Concen: 149.980 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion:106 Resp: 1303808
Ion Ratio Lower Upper
106 100
91 225.3 111.1 333.4





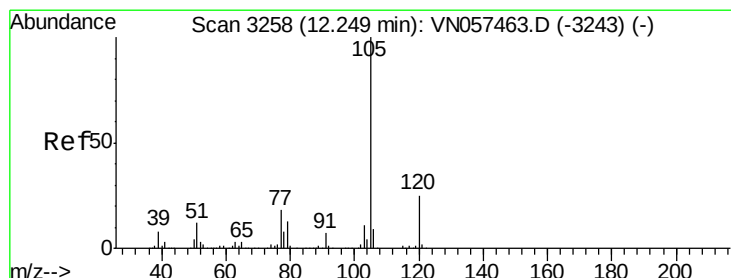
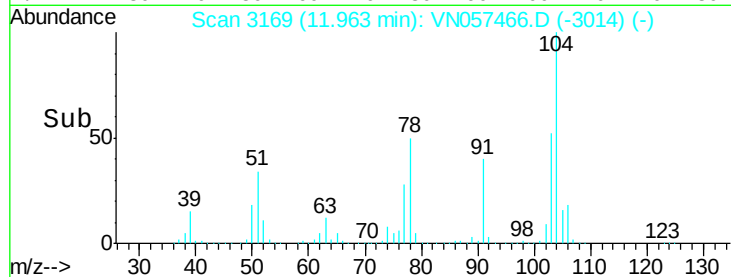
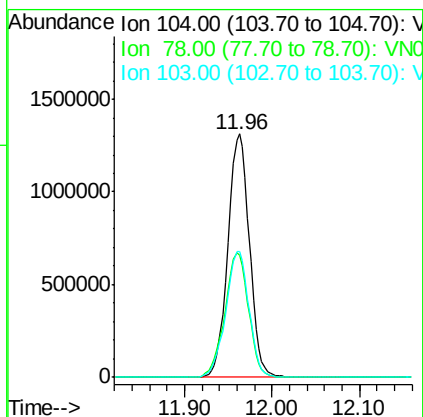
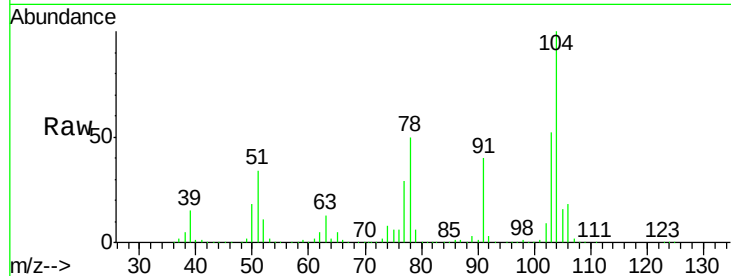
#69
 Stvrene
 Concen: 162.189 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.3	46.5	69.7
103	55.9	45.9	68.9

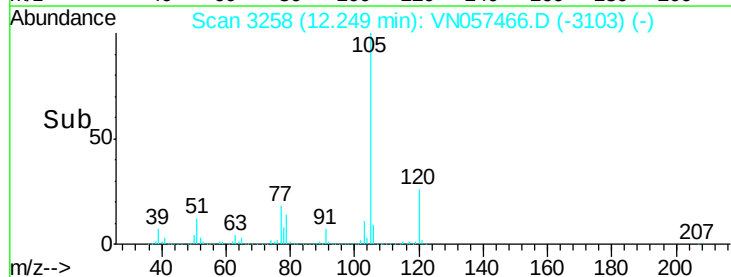
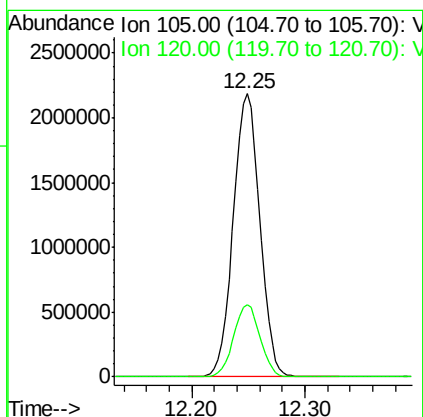
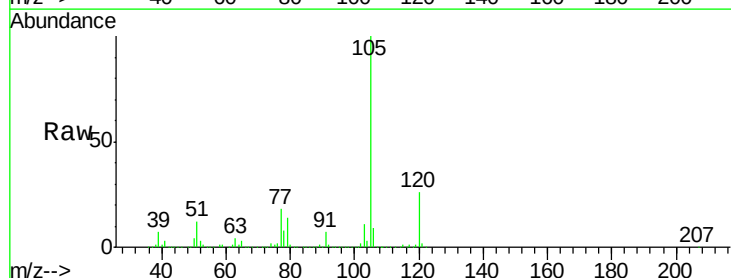
Manual Integrations
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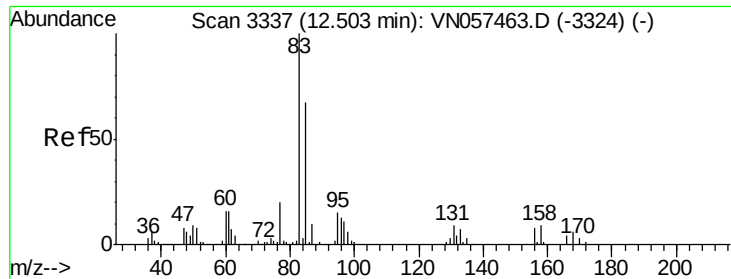
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#70
 Isopropylbenzene
 Concen: 154.179 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	17.8	33.1





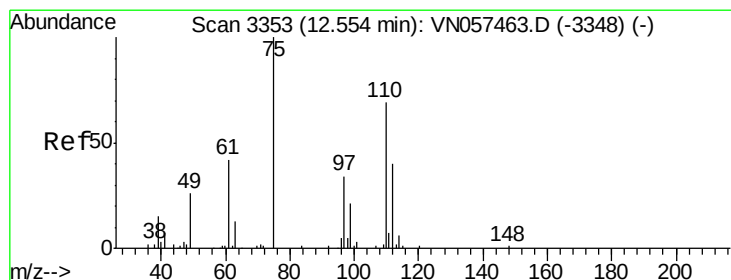
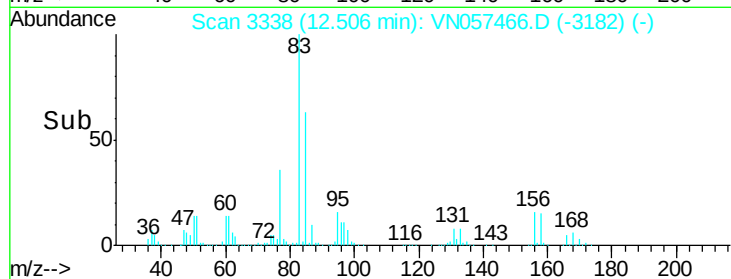
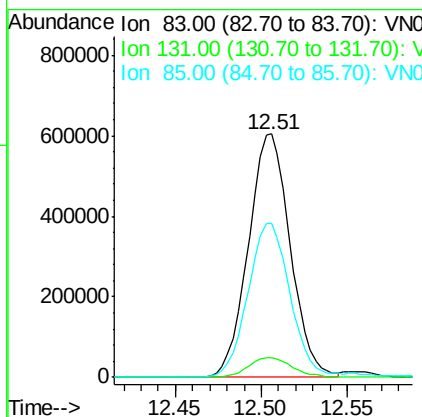
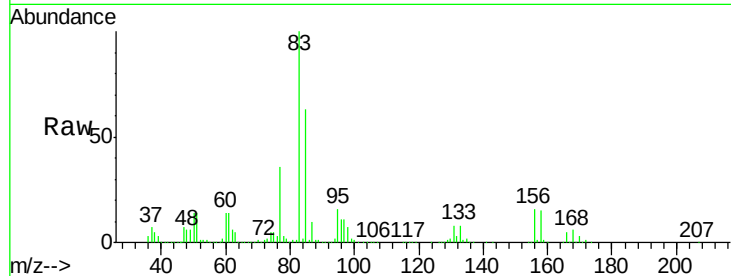
#71
 1,1,2,2-Tetrachloroethane
 Concen: 158.609 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	1019289
Ion Ratio	100	Lower	Upper
83	100		
131	8.6	4.7	14.1
85	63.8	33.1	99.2

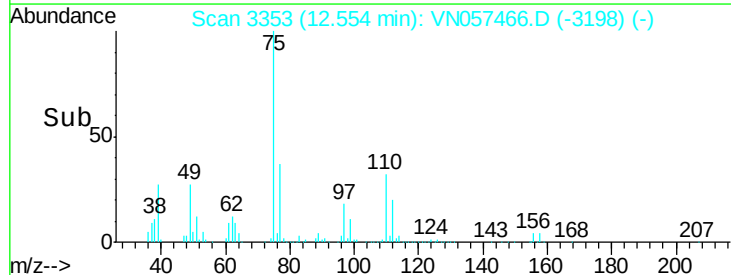
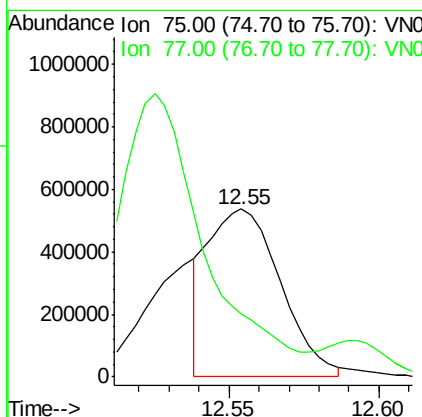
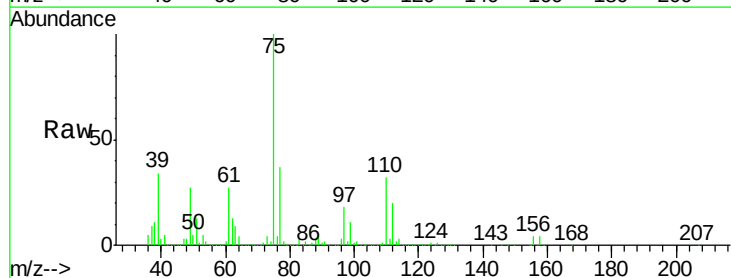
Manual Integrations
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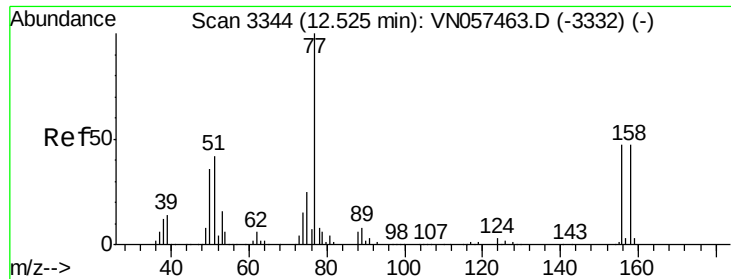
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#72
 1,2,3-Trichloropropane
 Concen: 164.658 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	75	Resp	907089
Ion Ratio	100	Lower	Upper
75	100		
77	204.6	0.0	380.2





#73

Bromobenzene

Concen: 125.995 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

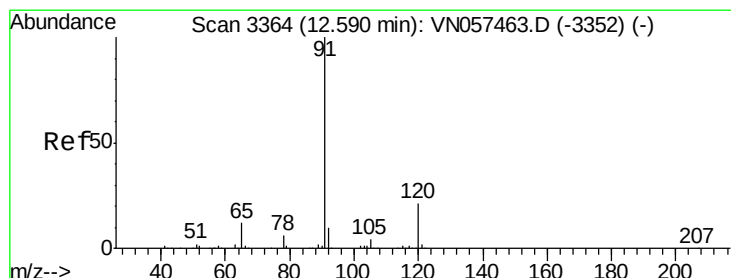
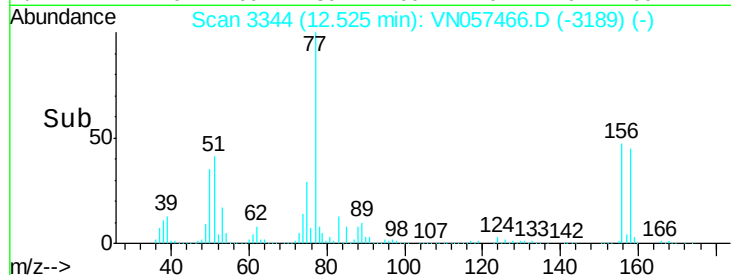
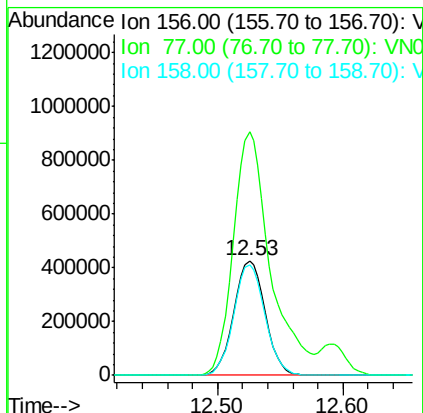
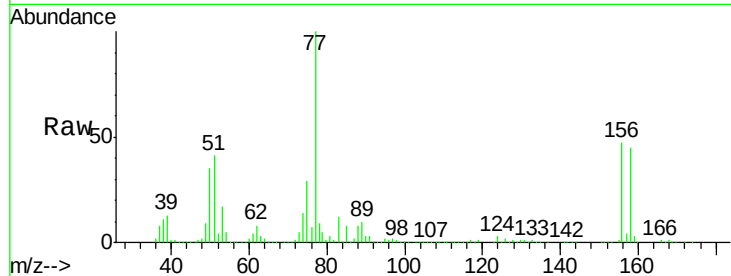
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	741232
Ion Ratio	Lower	Upper	
156	100		
77	250.4	0.0	506.8
158	96.2	0.0	196.6

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#74

n-propylbenzene

Concen: 172.668 ug/l

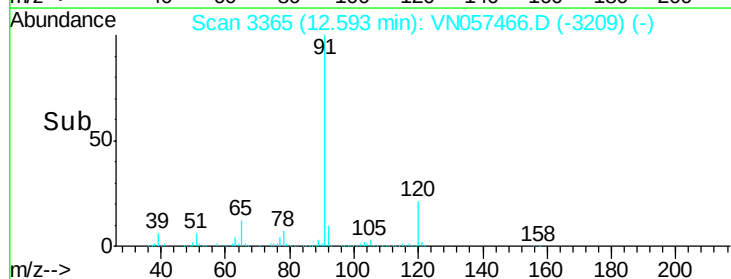
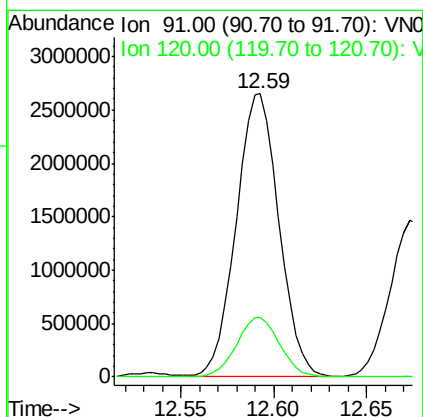
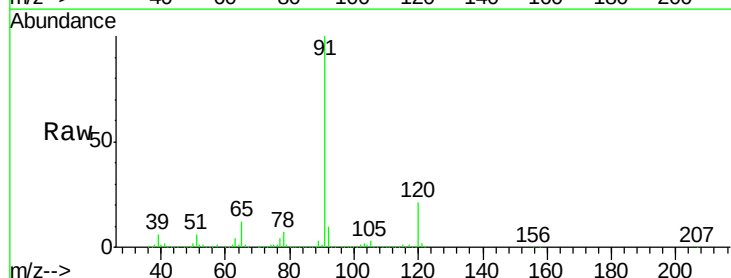
RT: 12.59 min Scan# 3365

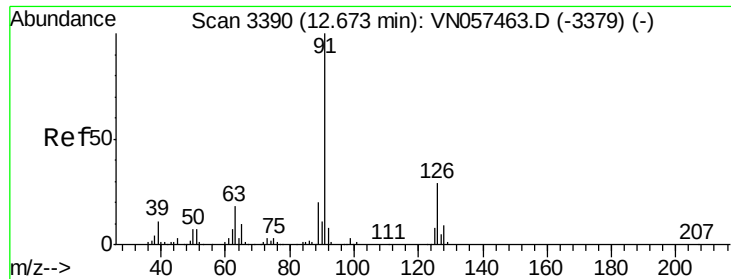
Delta R.T. 0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion:	91	Resp:	4247363
Ion Ratio	Lower	Upper	
91	100		
120	21.0	0.0	42.2





#75

2-Chlorotoluene

Concen: 162.856 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2456854

Ion Ratio Lower Upper

91 100

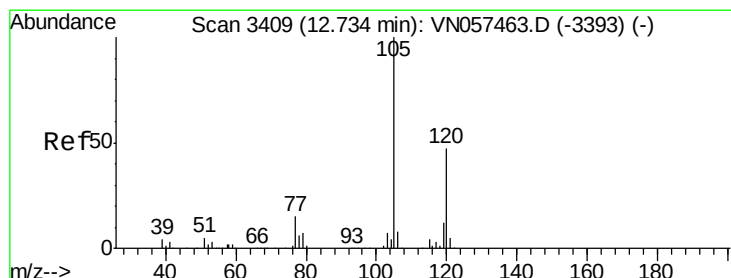
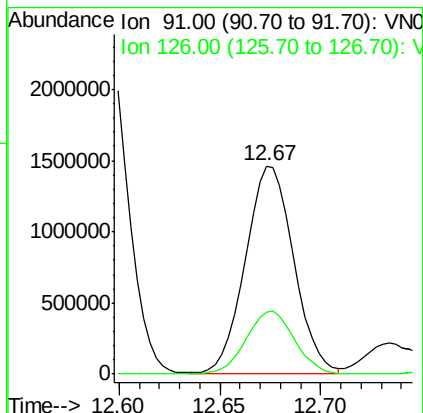
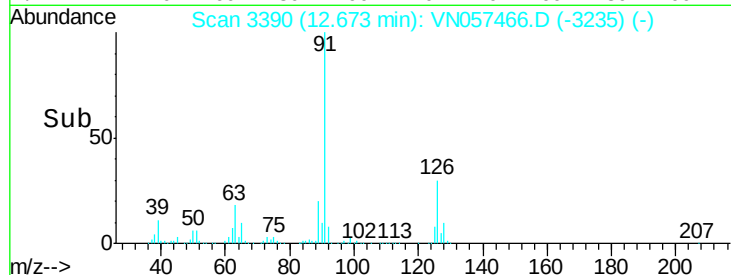
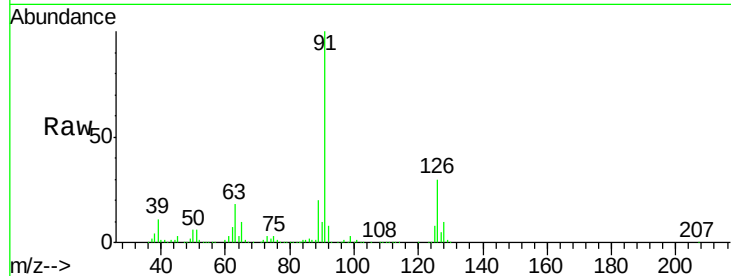
126 30.3 0.0 60.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 153.029 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057466.D

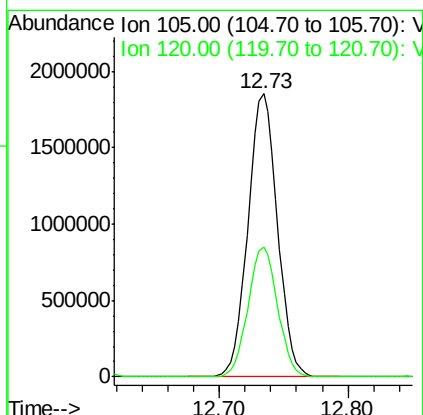
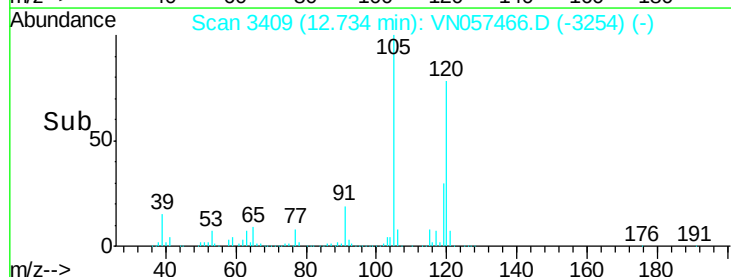
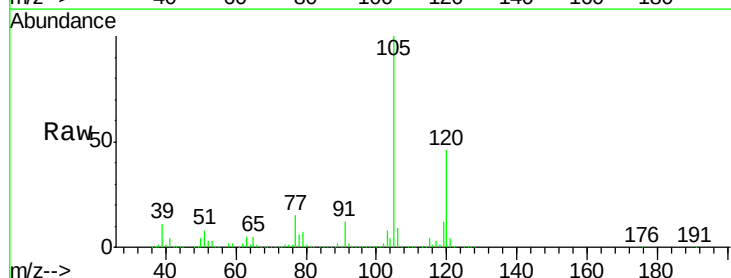
Acq: 23 Aug 2019 10:54

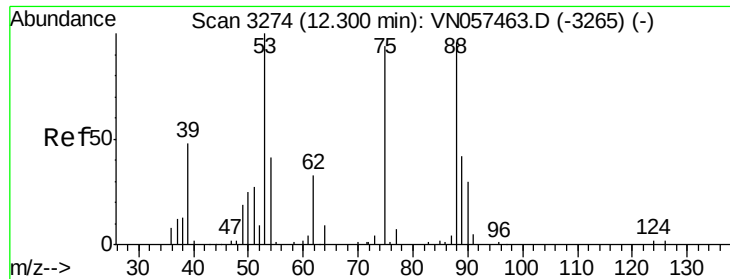
Tgt Ion: 105 Resp: 2944579

Ion Ratio Lower Upper

105 100

120 46.1 0.0 94.4





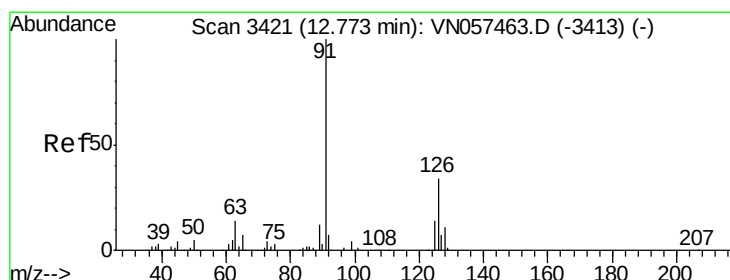
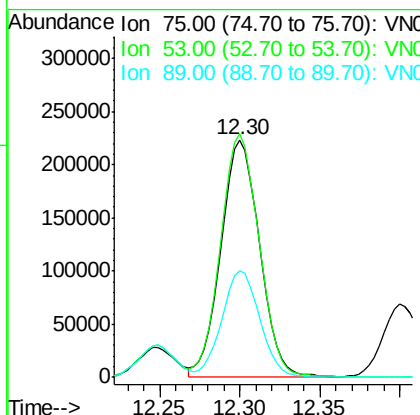
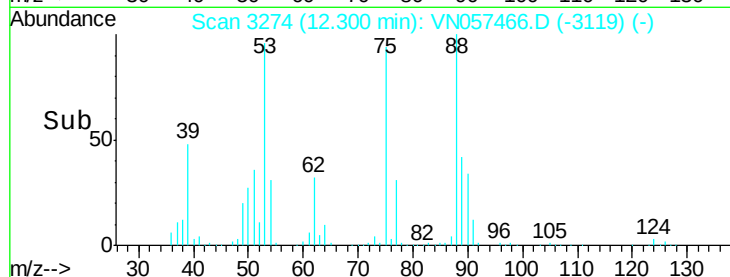
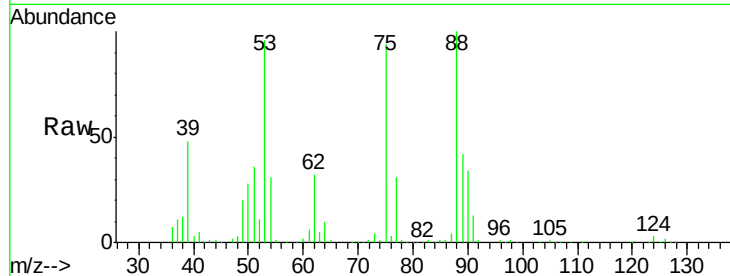
#77
t-1,4-Dichloro-2-butene
Concen: 175.730 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	55.6	166.9
89	45.1	23.8	71.4

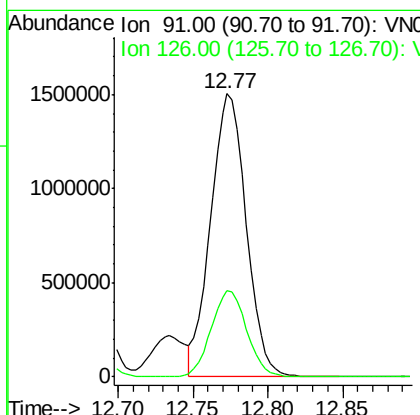
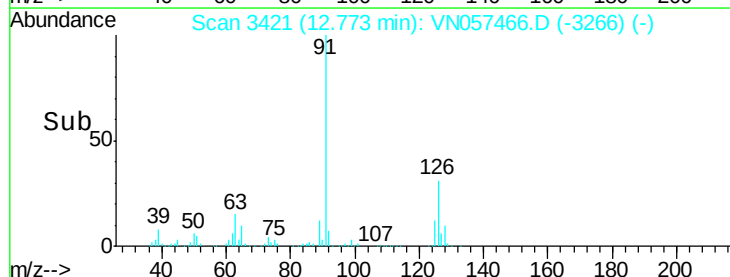
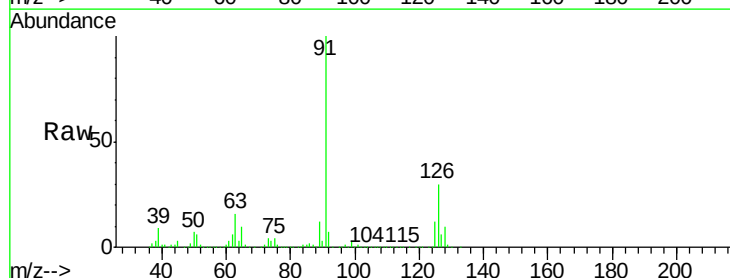
Manual Integrations
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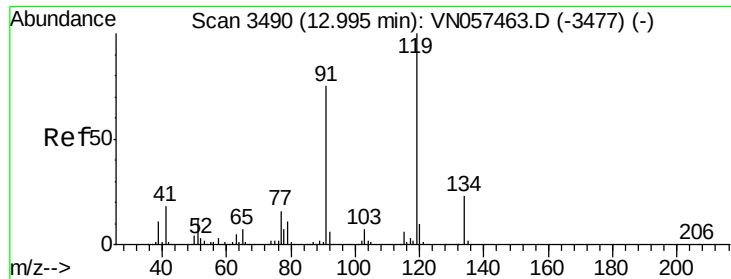
MMDadoda
8/26/2019 1:12:05 PM



#78
4-Chlorotoluene
Concen: 175.644 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.6





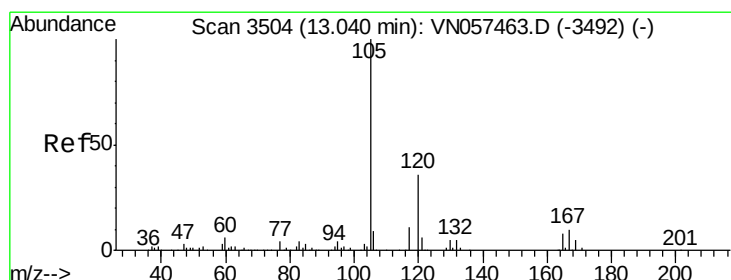
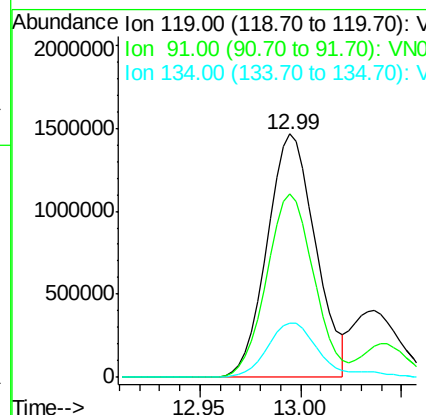
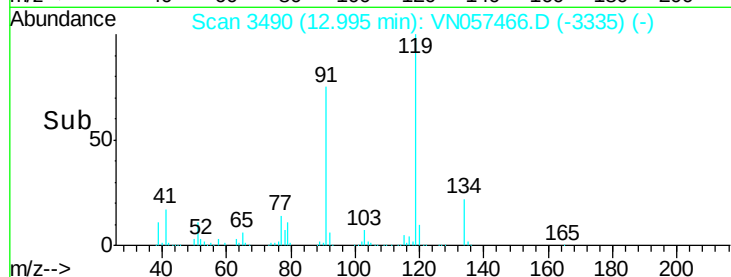
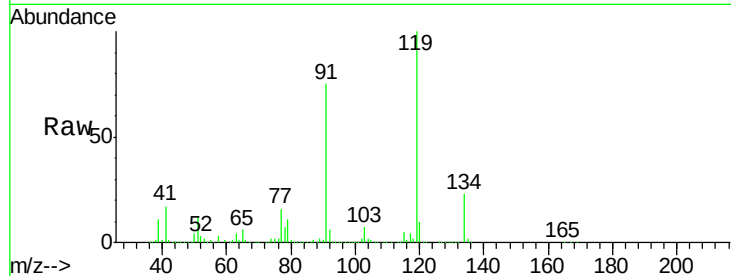
#79
 tert-butylbenzene
 Concen: 143.648 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	0.0	146.6
134	23.0	0.0	46.2

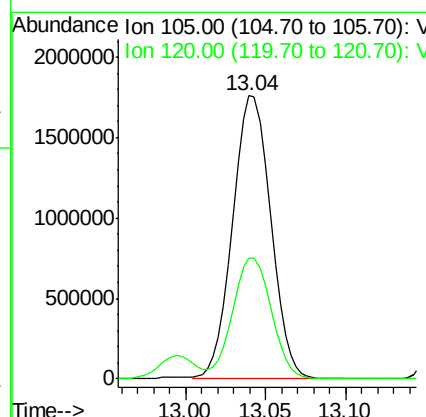
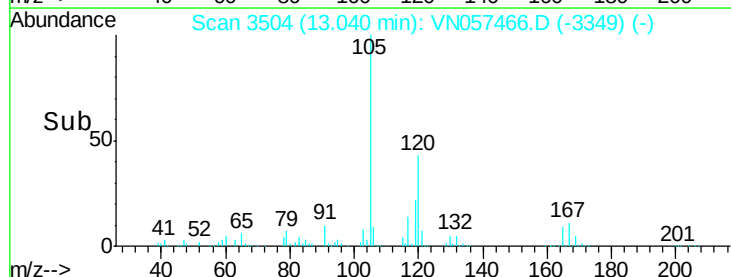
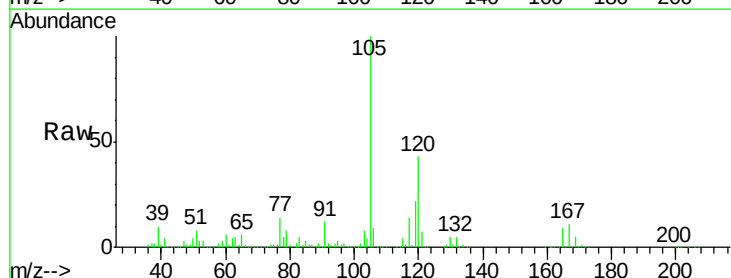
Manual Integrations
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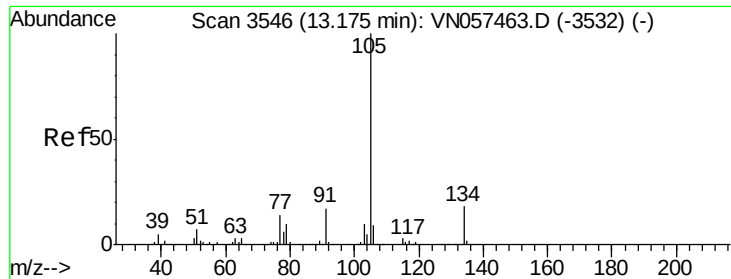
MMDadoda
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#80
 1,2,4-Trimethylbenzene
 Concen: 157.721 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	0.0	85.4





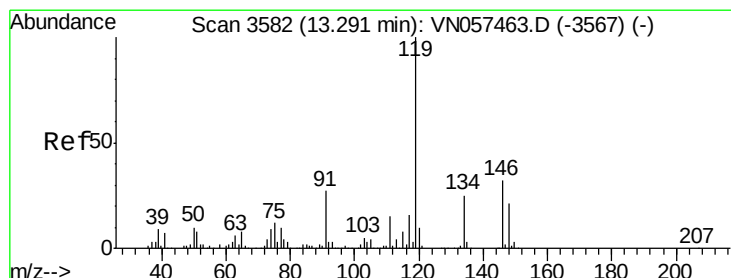
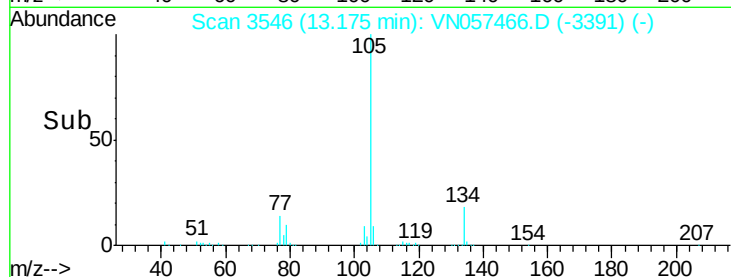
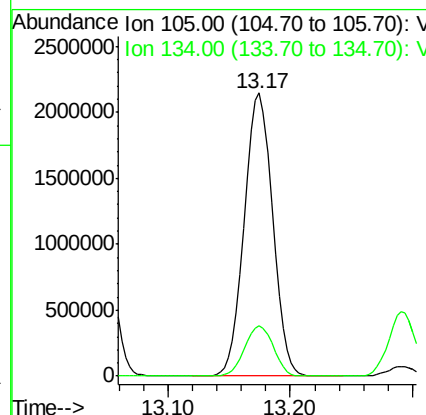
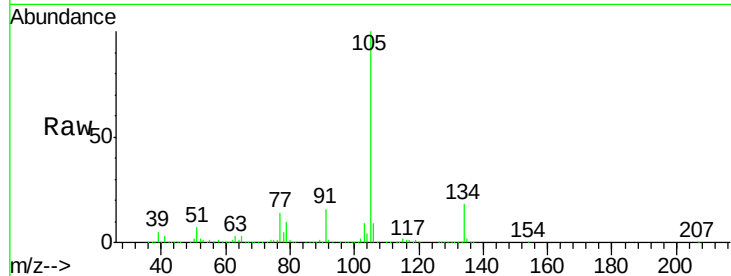
#81
 sec-Butylbenzene
 Concen: 160.830 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3432436
 Ion Ratio Lower Upper
 105 100
 134 18.0 0.0 36.0

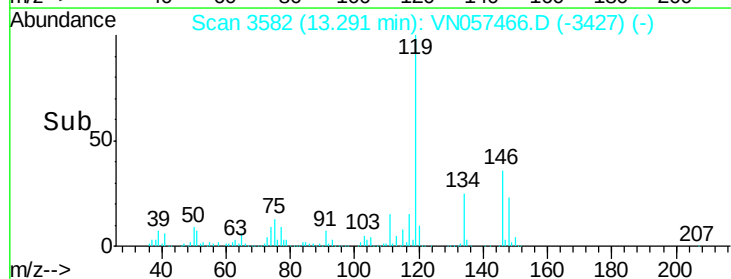
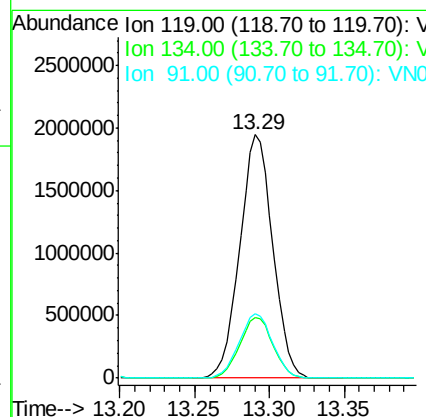
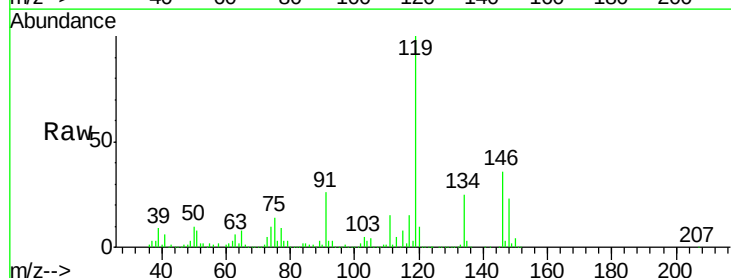
Manual Integrations
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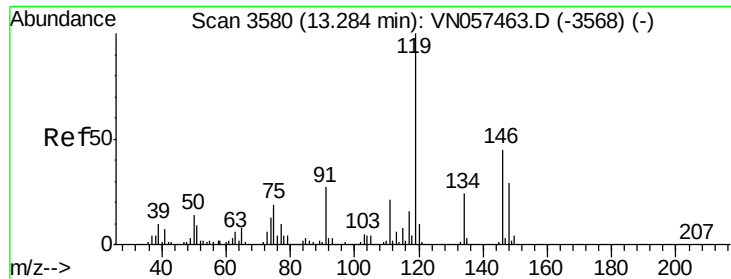
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#82
 p-Isopropyltoluene
 Concen: 157.572 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion:119 Resp: 2972196
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 49.6
 91 26.9 0.0 55.2





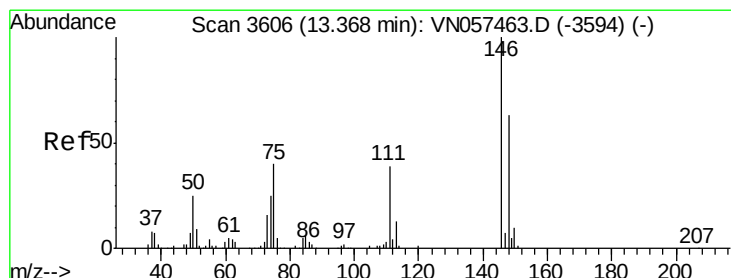
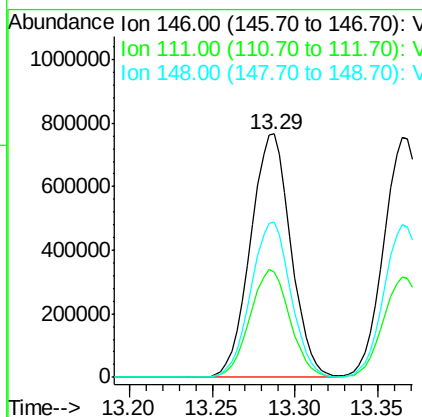
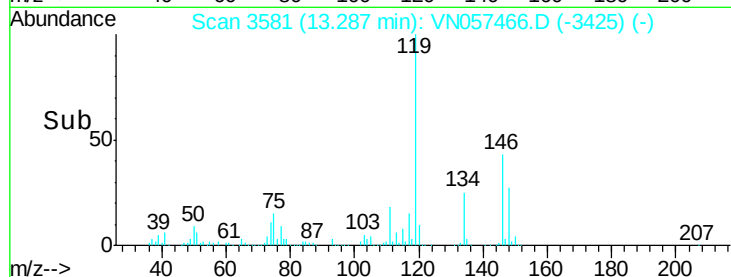
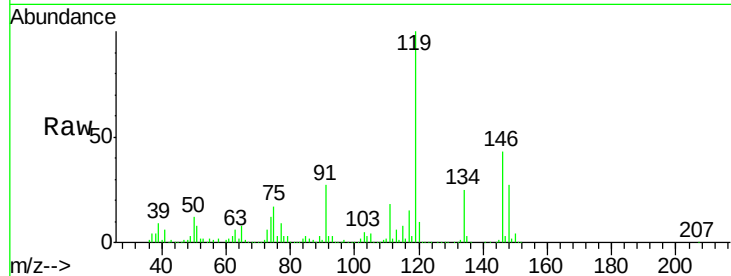
#83
 1,3-Dichlorobenzene
 Concen: 149.660 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1299330
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.0
 148 63.3 31.8 95.4

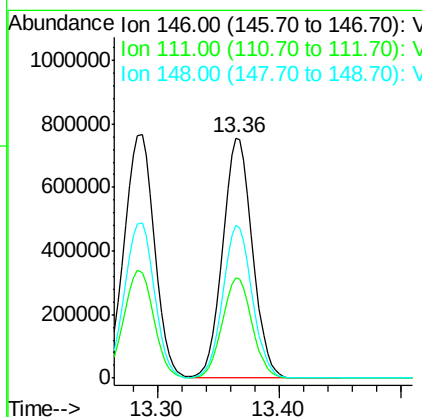
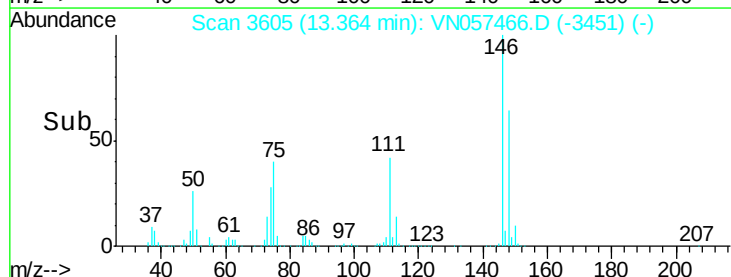
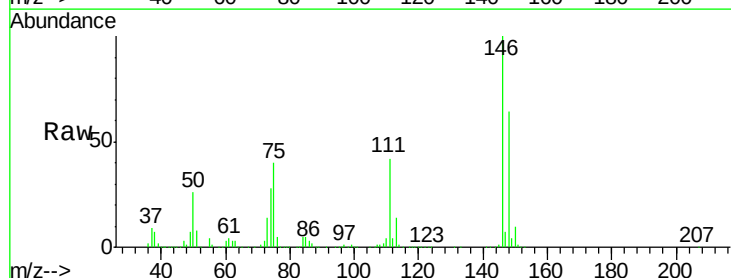
Manual Integrations
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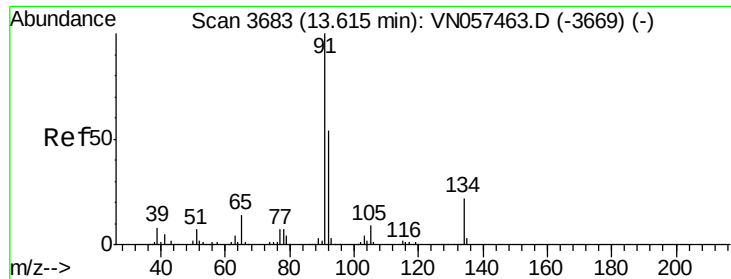
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 157.482 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion:146 Resp: 1289364
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.5 61.5
 148 62.9 31.9 95.7





#85

n-Butylbenzene

Concen: 193.151 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2738308

Ion Ratio Lower Upper

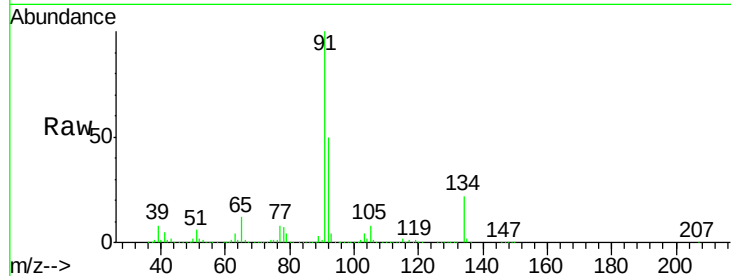
91 100

92 51.2 0.0 105.6

134 22.5 0.0 46.0

Manual Integrations
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MMDadoda
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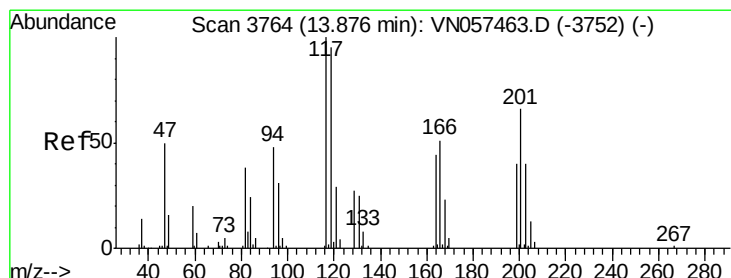
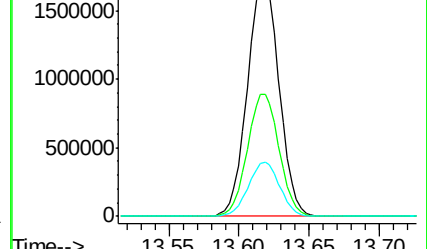
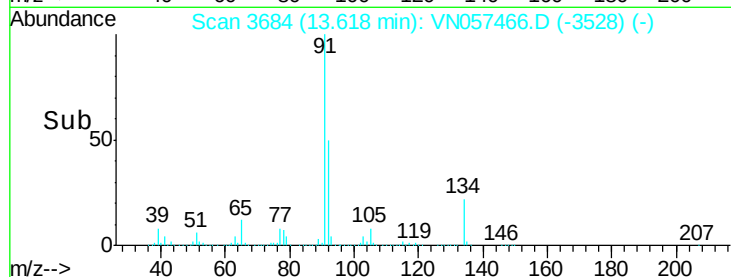


Abundance Ion 91.00 (90.70 to 91.70): VN057466.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057466.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057466.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 154.039 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057466.D

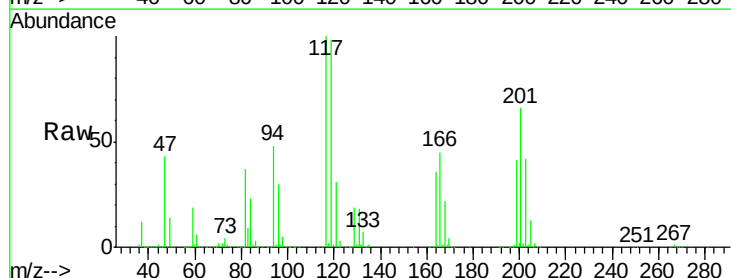
Acq: 23 Aug 2019 10:54

Tgt Ion: 117 Resp: 564676

Ion Ratio Lower Upper

117 100

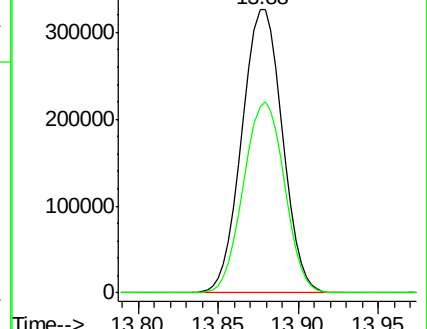
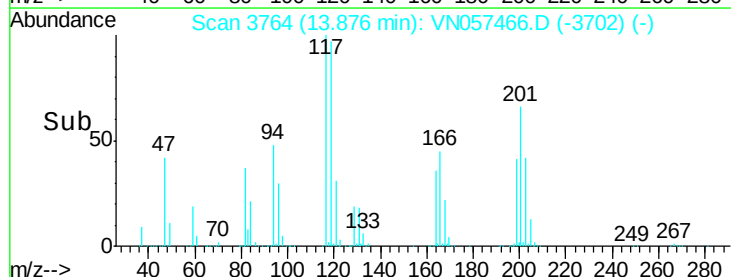
201 68.0 34.0 101.8

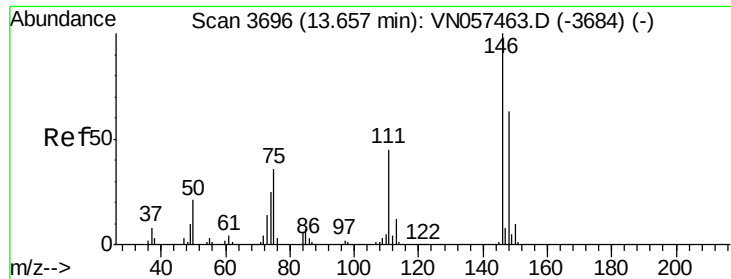


Abundance Ion 117.00 (116.70 to 117.70): VN057466.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057466.D (-3752) (-)

Time-->





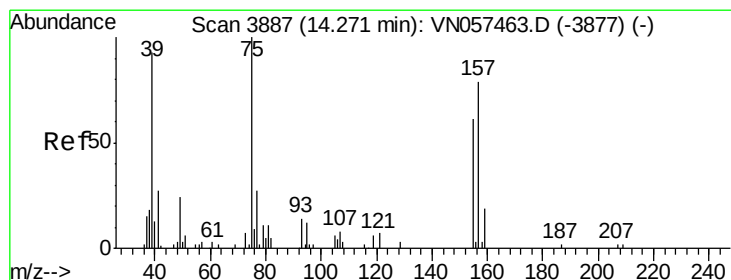
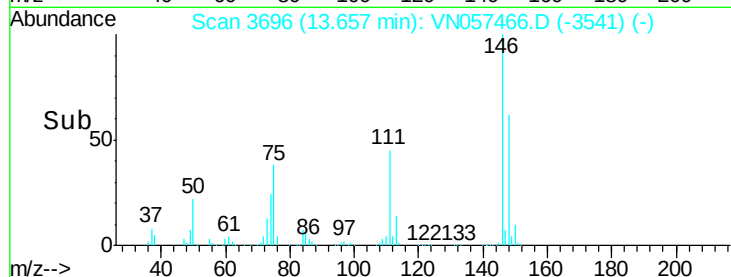
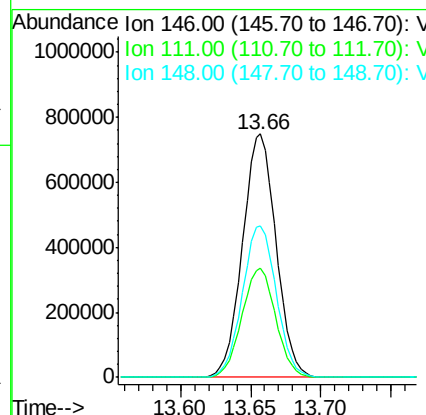
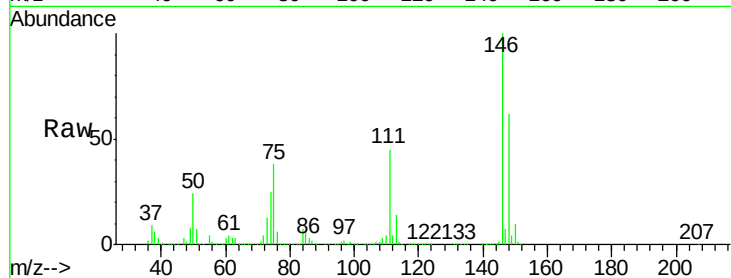
#87
 1,2-Dichlorobenzene
 Concen: 151.487 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.5	67.5
148	63.0	30.9	92.7

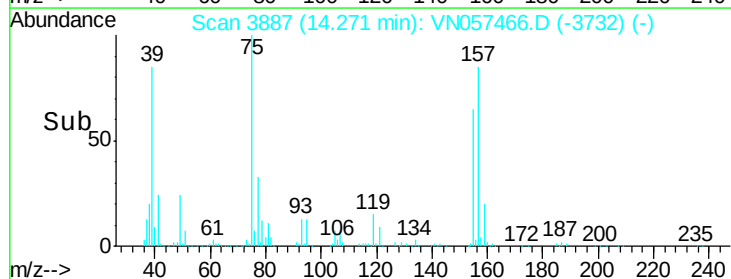
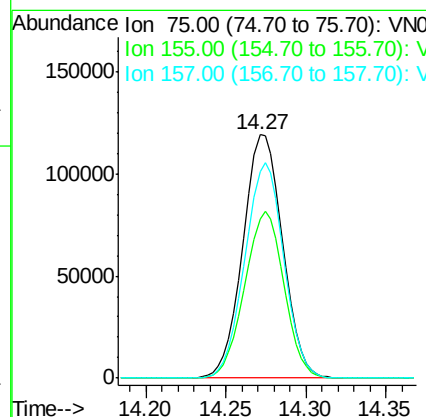
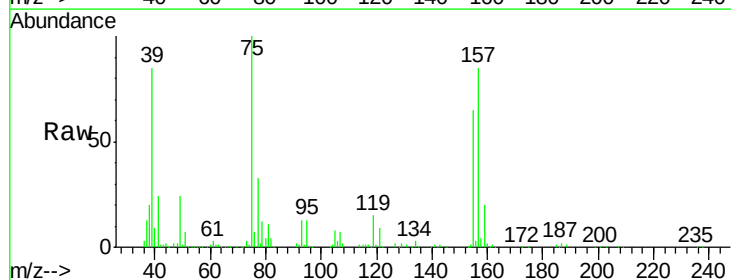
Manual Integrations
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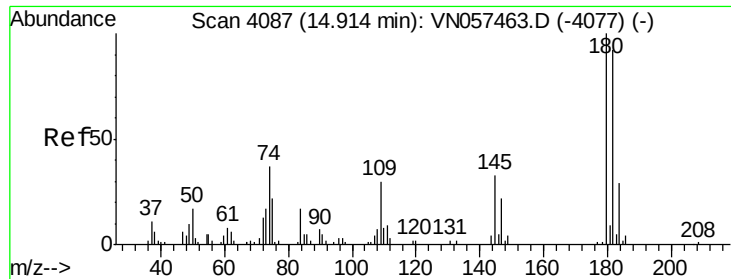
MMDadoda
 8/26/2019 1:12:05 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 222.597 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	53.7	80.5
157	86.9	63.5	95.3





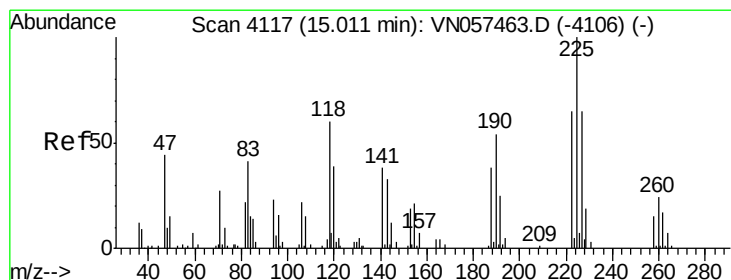
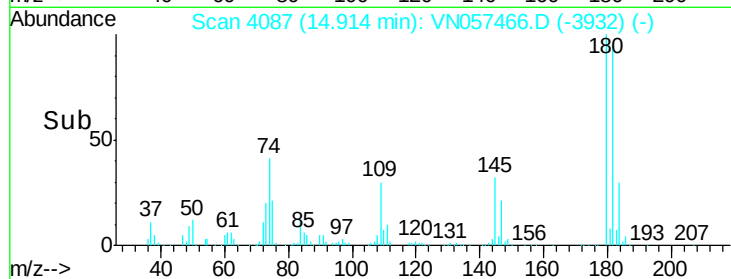
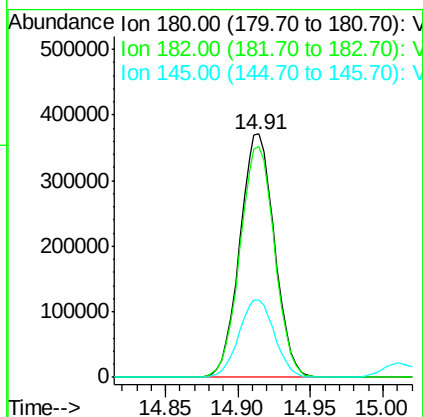
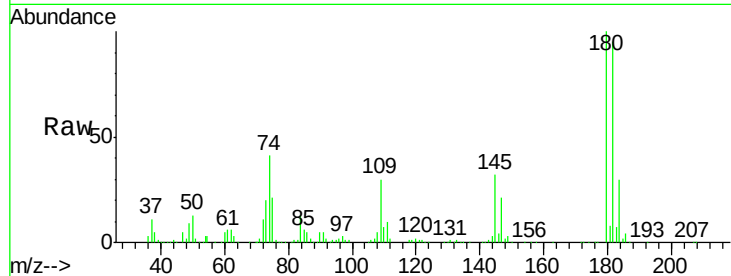
#89
1,2,4-Trichlorobenzene
Concen: 207.610 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	614860		
182	94.9	75.4	113.2	
145	32.6	26.9	40.3	

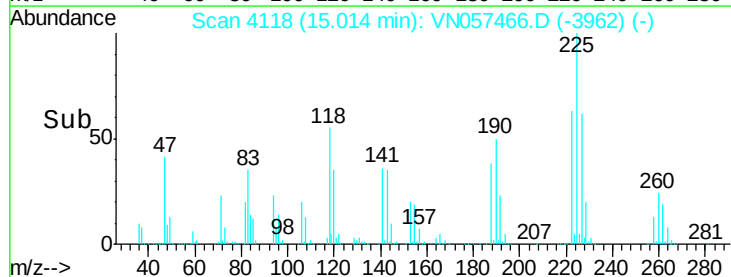
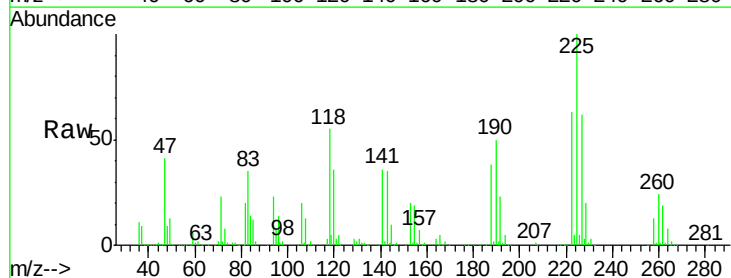
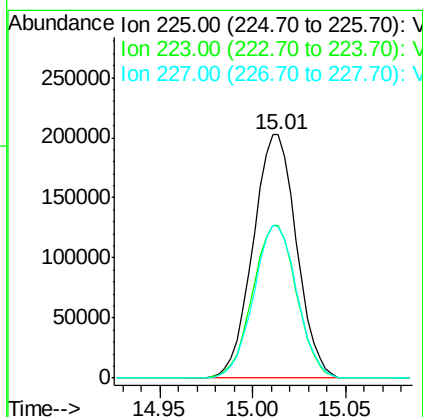
Manual Integrations
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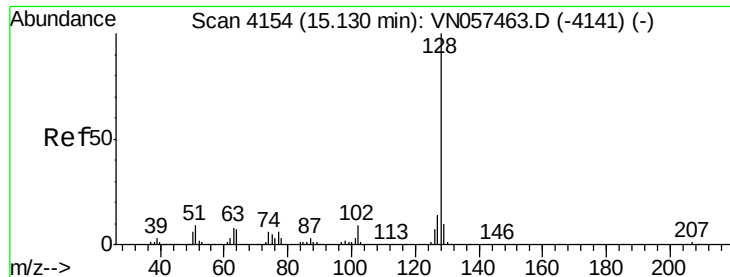
MMDadoda
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#90
Hexachlorobutadiene
Concen: 94.313 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	330103		
223	63.5	0.0	123.6	
227	62.5	0.0	126.6	





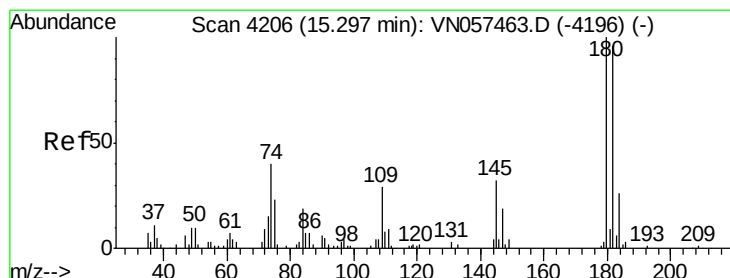
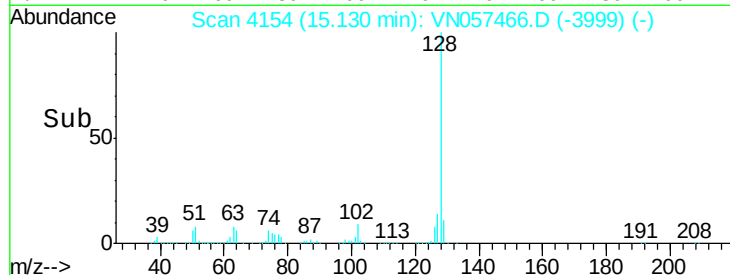
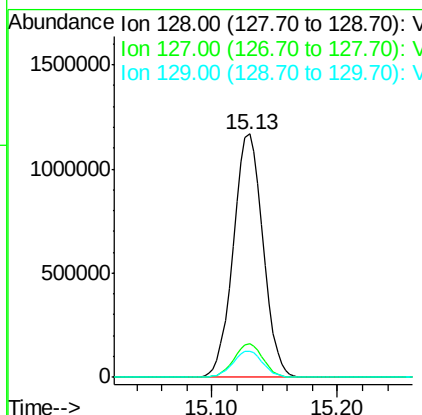
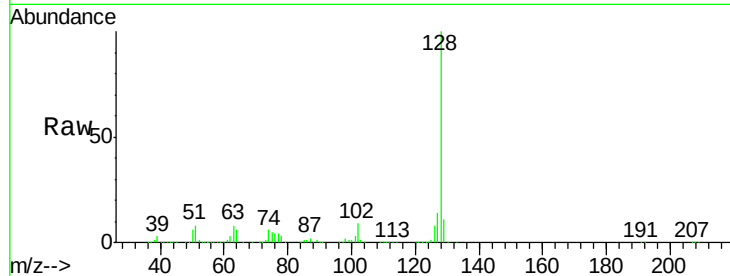
#91
Naphthalene
Concen: 272.906 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 213.696 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	0.0	187.0
145	34.1	0.0	64.4

